



wwPDB X-ray Structure Validation Summary Report ⓘ

Mar 17, 2026 – 06:23 AM UTC

PDB ID : 4Y4P / pdb_00004y4p
Title : Crystal structure of the Thermus thermophilus 70S ribosome with rRNA modifications and bound to mRNA and A-, P- and E-site tRNAs at 2.5Å resolution
Authors : Polikanov, Y.S.; Melnikov, S.V.; Soll, D.; Steitz, T.A.
Deposited on : 2015-02-10
Resolution : 2.50 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 : 20231227.v01 (using entries in the PDB archive December 27th 2023)
CCP4 : 9.0.010 (Gargrove)
Density-Fitness : 1.0.12
Ideal geometry (proteins) : Engh & Huber (2001)
Ideal geometry (DNA, RNA) : Parkinson et al. (1996)
Validation Pipeline (wwPDB-VP) : 2.48.1

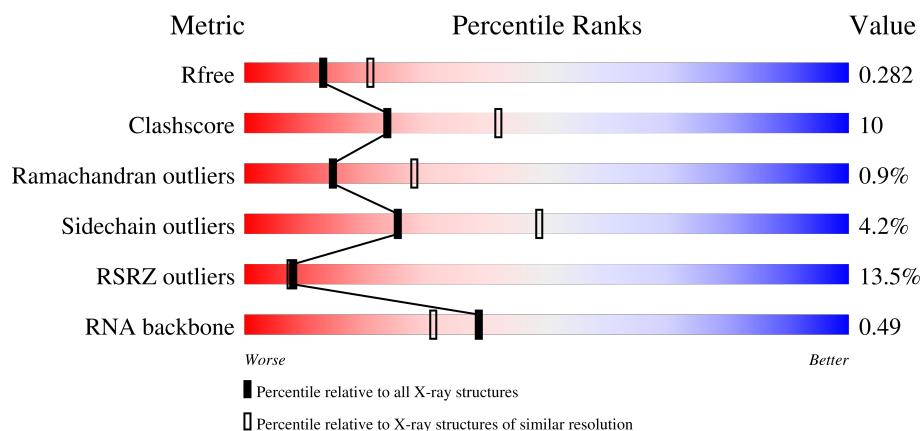
1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

X-RAY DIFFRACTION

The reported resolution of this entry is 2.50 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}	164625	5504 (2.50-2.50)
Clashscore	180529	6282 (2.50-2.50)
Ramachandran outliers	177936	6191 (2.50-2.50)
Sidechain outliers	177891	6193 (2.50-2.50)
RSRZ outliers	164620	5504 (2.50-2.50)
RNA backbone	3690	1181 (2.80-2.20)

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

Mol	Chain	Length	Quality of chain
1	1A	2915	6% 65% 27% 6%
1	2A	2915	4% 53% 34% 9%
2	1B	121	% 71% 25%
2	2B	121	12% 36% 45% 17%

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Mol	Chain	Length	Quality of chain
3	1D	276	
3	2D	276	
4	1E	206	
4	2E	206	
5	1F	210	
5	2F	210	
6	1G	182	
6	2G	182	
7	1H	180	
7	2H	180	
8	1I	148	
8	2I	148	
9	1N	140	
9	2N	140	
10	1O	122	
10	2O	122	
11	1P	150	
11	2P	150	
12	1Q	141	
12	2Q	141	
13	1R	118	
13	2R	118	
14	1S	112	
14	2S	112	
15	1T	146	

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

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

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

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Mol	Chain	Length	Quality of chain
53	1v	24	
53	2v	24	
54	1w	76	
54	1y	76	
54	2w	76	
54	2y	76	
55	1x	77	
55	2x	77	

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

Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
54	PSU	2y	55	-	-	X	-

2 Entry composition

There are 60 unique types of molecules in this entry. The entry contains 300910 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			
32	2a	1503	Total	C	N	O	P	0	0	0
			32327	14396	5990	10438	1503			

- Molecule 33 is a protein called 30S ribosomal protein S2.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
33	1b	231	Total	C	N	O	S	0	0	0
			1846	1179	331	331	5			
33	2b	231	Total	C	N	O	S	0	0	0
			1825	1167	326	327	5			

- Molecule 34 is a protein called 30S ribosomal protein S3.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
34	1c	206	Total	C	N	O	S	0	0	0
			1548	973	301	273	1			
34	2c	206	Total	C	N	O	S	0	0	0
			1542	968	300	273	1			

- Molecule 35 is a protein called 30S ribosomal protein S4.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
35	1d	208	Total	C	N	O	S	0	0	0
			1655	1038	326	284	7			
35	2d	208	Total	C	N	O	S	0	0	0
			1674	1050	333	284	7			

- Molecule 36 is a protein called 30S ribosomal protein S5.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
36	1e	148	Total	C	N	O	S	0	0	0
			1129	714	213	198	4			
36	2e	148	Total	C	N	O	S	0	0	0
			1133	716	214	199	4			

- Molecule 37 is a protein called 30S ribosomal protein S6.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
37	1f	100	Total	C	N	O	S	0	0	0
			810	514	144	149	3			
37	2f	100	Total	C	N	O	S	0	0	0
			816	516	146	151	3			

- Molecule 38 is a protein called 30S ribosomal protein S7.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
38	1g	155	Total	C	N	O	S	0	0	0
			1231	766	243	216	6			
38	2g	155	Total	C	N	O	S	0	0	0
			1235	769	244	216	6			

- Molecule 39 is a protein called 30S ribosomal protein S8.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
39	1h	137	Total	C	N	O	S	0	0	0
			1088	689	206	191	2			
39	2h	137	Total	C	N	O	S	0	0	0
			1088	689	206	191	2			

- Molecule 40 is a protein called 30S ribosomal protein S9.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
40	1i	127	Total	C	N	O	0	0	0
			983	623	193	167			
40	2i	127	Total	C	N	O	0	0	0
			978	619	190	169			

- Molecule 41 is a protein called 30S ribosomal protein S10.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
41	1j	97	Total	C	N	O	0	0	0
			709	440	138	131			
41	2j	96	Total	C	N	O	0	0	0
			714	445	138	131			

- Molecule 42 is a protein called 30S ribosomal protein S11.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
42	1k	114	Total	C	N	O	S	0	0	0
			829	516	155	155	3			

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

- Molecule 53 is a RNA chain called mRNA.

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

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

Mol	Chain	Residues	Atoms						ZeroOcc	AltConf	Trace
54	1w	74	Total 1592	C 713	N 285	O 518	P 74	S 2	0	0	0
54	1y	74	Total 1585	C 707	N 285	O 518	P 74	S 1	0	0	0
54	2w	72	Total 1544	C 690	N 278	O 502	P 72	S 2	0	0	0
54	2y	73	Total 1565	C 698	N 283	O 510	P 73	S 1	0	0	0

- 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	0
			1625	725	294	529	76	1			
55	2x	76	Total	C	N	O	P	S	0	0	0
			1625	725	294	529	76	1			

- Molecule 56 is MAGNESIUM ION (CCD ID: MG) (formula: Mg).

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
56	1A	1141	Total	Mg	0	0
			1141	1141		
56	1B	37	Total	Mg	0	0
			37	37		
56	1D	12	Total	Mg	0	0
			12	12		
56	1E	11	Total	Mg	0	0
			11	11		
56	1F	8	Total	Mg	0	0
			8	8		
56	1G	5	Total	Mg	0	0
			5	5		
56	1I	1	Total	Mg	0	0
			1	1		
56	1N	6	Total	Mg	0	0
			6	6		

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
56	1O	7	Total 7	Mg 7	0	0
56	1P	4	Total 4	Mg 4	0	0
56	1Q	6	Total 6	Mg 6	0	0
56	1R	3	Total 3	Mg 3	0	0
56	1S	3	Total 3	Mg 3	0	0
56	1T	2	Total 2	Mg 2	0	0
56	1U	8	Total 8	Mg 8	0	0
56	1V	3	Total 3	Mg 3	0	0
56	1W	5	Total 5	Mg 5	0	0
56	1X	6	Total 6	Mg 6	0	0
56	1Y	3	Total 3	Mg 3	0	0
56	1Z	3	Total 3	Mg 3	0	0
56	10	6	Total 6	Mg 6	0	0
56	11	3	Total 3	Mg 3	0	0
56	12	1	Total 1	Mg 1	0	0
56	13	3	Total 3	Mg 3	0	0
56	15	2	Total 2	Mg 2	0	0
56	16	3	Total 3	Mg 3	0	0
56	17	1	Total 1	Mg 1	0	0
56	18	3	Total 3	Mg 3	0	0
56	19	2	Total 2	Mg 2	0	0

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
56	1a	229	Total 229	Mg 229	0	0
56	1b	2	Total 2	Mg 2	0	0
56	1d	1	Total 1	Mg 1	0	0
56	1e	1	Total 1	Mg 1	0	0
56	1f	2	Total 2	Mg 2	0	0
56	1l	3	Total 3	Mg 3	0	0
56	1n	2	Total 2	Mg 2	0	0
56	1s	1	Total 1	Mg 1	0	0
56	1t	1	Total 1	Mg 1	0	0
56	1v	1	Total 1	Mg 1	0	0
56	1w	11	Total 11	Mg 11	0	0
56	1x	16	Total 16	Mg 16	0	0
56	1y	4	Total 4	Mg 4	0	0
56	2A	909	Total 909	Mg 909	0	0
56	2B	21	Total 21	Mg 21	0	0
56	2D	5	Total 5	Mg 5	0	0
56	2E	9	Total 9	Mg 9	0	0
56	2F	4	Total 4	Mg 4	0	0
56	2G	1	Total 1	Mg 1	0	0
56	2N	1	Total 1	Mg 1	0	0
56	2O	1	Total 1	Mg 1	0	0

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
56	2P	1	Total 1	Mg 1	0	0
56	2Q	3	Total 3	Mg 3	0	0
56	2R	1	Total 1	Mg 1	0	0
56	2T	3	Total 3	Mg 3	0	0
56	2U	4	Total 4	Mg 4	0	0
56	2V	1	Total 1	Mg 1	0	0
56	2W	3	Total 3	Mg 3	0	0
56	2X	3	Total 3	Mg 3	0	0
56	2Y	1	Total 1	Mg 1	0	0
56	2Z	1	Total 1	Mg 1	0	0
56	20	3	Total 3	Mg 3	0	0
56	23	2	Total 2	Mg 2	0	0
56	25	4	Total 4	Mg 4	0	0
56	27	1	Total 1	Mg 1	0	0
56	28	2	Total 2	Mg 2	0	0
56	2a	244	Total 244	Mg 244	0	0
56	2d	1	Total 1	Mg 1	0	0
56	2e	1	Total 1	Mg 1	0	0
56	2f	1	Total 1	Mg 1	0	0
56	2g	1	Total 1	Mg 1	0	0
56	2i	1	Total 1	Mg 1	0	0

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
56	2j	2	Total 2	Mg 2	0	0
56	2l	2	Total 2	Mg 2	0	0
56	2n	1	Total 1	Mg 1	0	0
56	2q	2	Total 2	Mg 2	0	0
56	2r	2	Total 2	Mg 2	0	0
56	2t	1	Total 1	Mg 1	0	0
56	2v	2	Total 2	Mg 2	0	0
56	2w	8	Total 8	Mg 8	0	0
56	2x	5	Total 5	Mg 5	0	0
56	2y	7	Total 7	Mg 7	0	0

- Molecule 57 is POTASSIUM ION (CCD ID: K) (formula: K).

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
57	1A	1	Total 1	K 1	0	0
57	2A	1	Total 1	K 1	0	0

- Molecule 58 is ZINC ION (CCD ID: ZN) (formula: Zn).

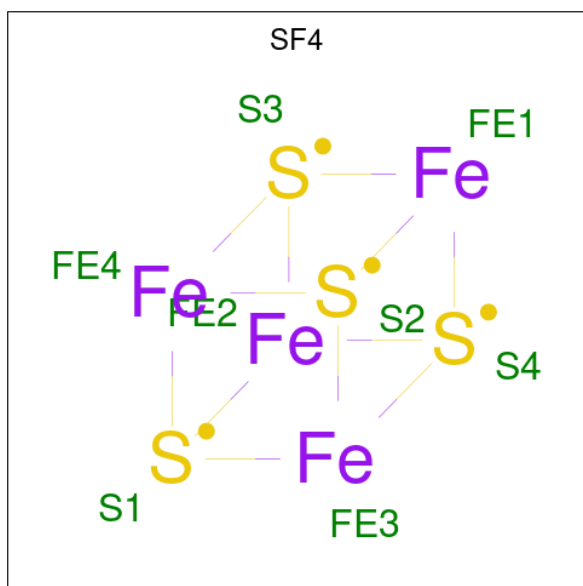
Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
58	1Y	1	Total 1	Zn 1	0	0
58	14	1	Total 1	Zn 1	0	0
58	15	1	Total 1	Zn 1	0	0
58	16	1	Total 1	Zn 1	0	0
58	19	1	Total 1	Zn 1	0	0

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
58	1n	1	Total	Zn	0	0
			1	1		
58	2Y	1	Total	Zn	0	0
			1	1		
58	24	1	Total	Zn	0	0
			1	1		
58	25	1	Total	Zn	0	0
			1	1		
58	26	1	Total	Zn	0	0
			1	1		
58	29	1	Total	Zn	0	0
			1	1		
58	2n	1	Total	Zn	0	0
			1	1		

- Molecule 59 is IRON/SULFUR CLUSTER (CCD ID: SF4) (formula: Fe_4S_4).



Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
59	1d	1	Total	Fe	S	0	0
			8	4	4		
59	2d	1	Total	Fe	S	0	0
			8	4	4		

- Molecule 60 is water.

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
60	1A	2238	Total 2238	O 2238	0	0
60	1B	68	Total 68	O 68	0	0
60	1D	28	Total 28	O 28	0	0
60	1E	28	Total 28	O 28	0	0
60	1F	13	Total 13	O 13	0	0
60	1G	7	Total 7	O 7	0	0
60	1H	2	Total 2	O 2	0	0
60	1I	3	Total 3	O 3	0	0
60	1N	7	Total 7	O 7	0	0
60	1O	8	Total 8	O 8	0	0
60	1P	23	Total 23	O 23	0	0
60	1Q	14	Total 14	O 14	0	0
60	1R	14	Total 14	O 14	0	0
60	1S	5	Total 5	O 5	0	0
60	1T	8	Total 8	O 8	0	0
60	1U	11	Total 11	O 11	0	0
60	1V	9	Total 9	O 9	0	0
60	1W	6	Total 6	O 6	0	0
60	1X	8	Total 8	O 8	0	0
60	1Y	4	Total 4	O 4	0	0
60	1Z	1	Total 1	O 1	0	0
60	10	12	Total 12	O 12	0	0

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
60	11	10	Total 10	O 10	0	0
60	12	4	Total 4	O 4	0	0
60	13	6	Total 6	O 6	0	0
60	14	1	Total 1	O 1	0	0
60	15	6	Total 6	O 6	0	0
60	16	3	Total 3	O 3	0	0
60	17	9	Total 9	O 9	0	0
60	18	13	Total 13	O 13	0	0
60	1a	438	Total 438	O 438	0	0
60	1b	1	Total 1	O 1	0	0
60	1d	1	Total 1	O 1	0	0
60	1e	1	Total 1	O 1	0	0
60	1f	1	Total 1	O 1	0	0
60	1g	1	Total 1	O 1	0	0
60	1i	1	Total 1	O 1	0	0
60	1l	8	Total 8	O 8	0	0
60	1m	2	Total 2	O 2	0	0
60	1o	1	Total 1	O 1	0	0
60	1p	1	Total 1	O 1	0	0
60	1q	4	Total 4	O 4	0	0
60	1u	1	Total 1	O 1	0	0

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
60	1v	5	Total 5	O 5	0	0
60	1w	21	Total 21	O 21	0	0
60	1x	15	Total 15	O 15	0	0
60	1y	1	Total 1	O 1	0	0
60	2A	1389	Total 1389	O 1389	0	0
60	2B	26	Total 26	O 26	0	0
60	2D	28	Total 28	O 28	0	0
60	2E	16	Total 16	O 16	0	0
60	2F	16	Total 16	O 16	0	0
60	2H	1	Total 1	O 1	0	0
60	2I	4	Total 4	O 4	0	0
60	2N	1	Total 1	O 1	0	0
60	2P	14	Total 14	O 14	0	0
60	2Q	2	Total 2	O 2	0	0
60	2R	2	Total 2	O 2	0	0
60	2T	6	Total 6	O 6	0	0
60	2U	2	Total 2	O 2	0	0
60	2V	2	Total 2	O 2	0	0
60	2W	2	Total 2	O 2	0	0
60	2X	5	Total 5	O 5	0	0
60	2Y	1	Total 1	O 1	0	0

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
60	2Z	2	Total	O	0	0
			2	2		
60	20	7	Total	O	0	0
			7	7		
60	21	12	Total	O	0	0
			12	12		
60	22	1	Total	O	0	0
			1	1		
60	23	1	Total	O	0	0
			1	1		
60	25	4	Total	O	0	0
			4	4		
60	26	1	Total	O	0	0
			1	1		
60	27	4	Total	O	0	0
			4	4		
60	28	6	Total	O	0	0
			6	6		
60	29	1	Total	O	0	0
			1	1		
60	2a	377	Total	O	0	0
			377	377		
60	2d	1	Total	O	0	0
			1	1		
60	2e	2	Total	O	0	0
			2	2		
60	2g	1	Total	O	0	0
			1	1		
60	2i	1	Total	O	0	0
			1	1		
60	2j	4	Total	O	0	0
			4	4		
60	2l	5	Total	O	0	0
			5	5		
60	2o	1	Total	O	0	0
			1	1		
60	2p	2	Total	O	0	0
			2	2		
60	2q	1	Total	O	0	0
			1	1		
60	2r	1	Total	O	0	0
			1	1		

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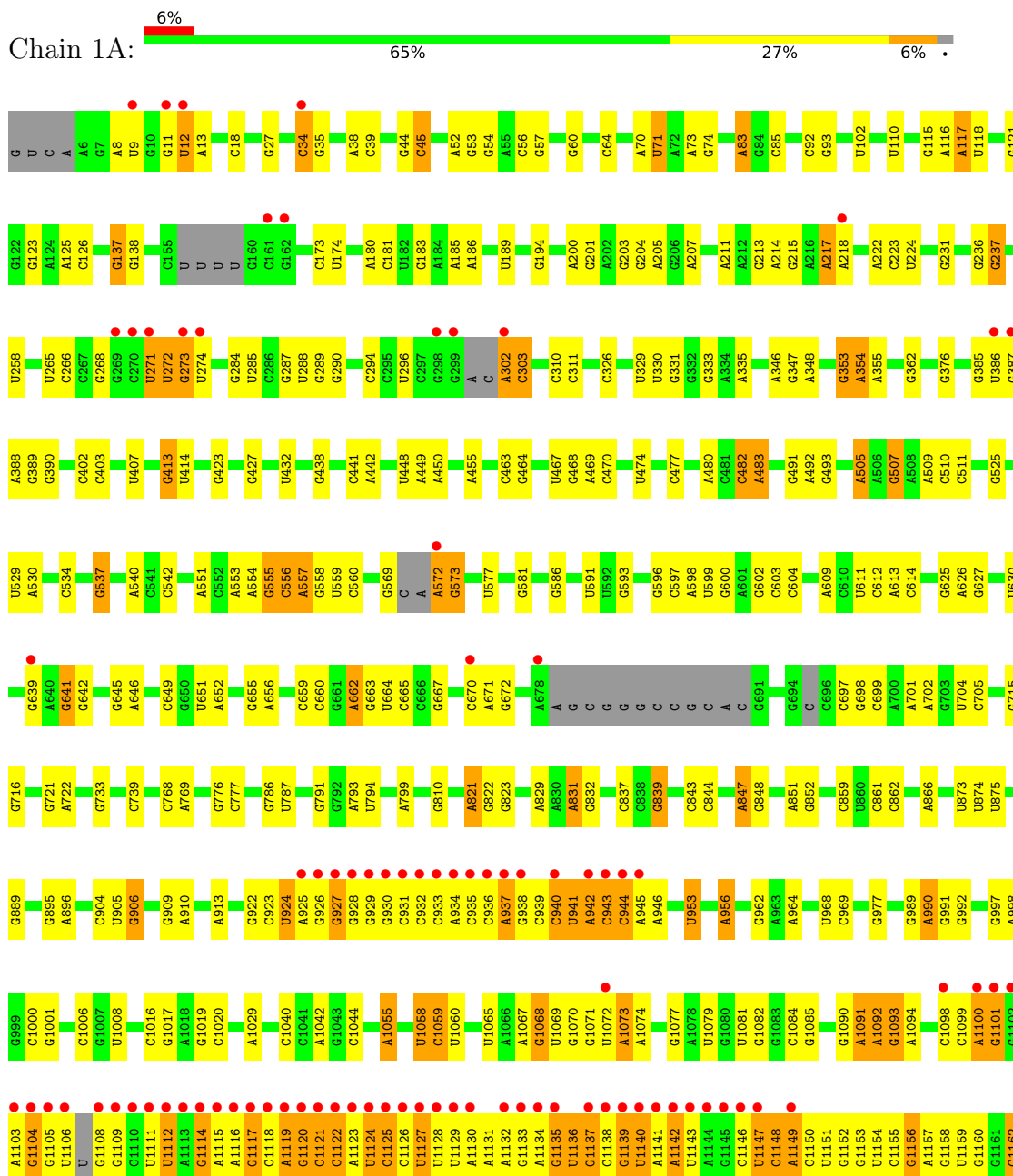
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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
60	2t	4	Total 4	O 4	0	0
60	2u	1	Total 1	O 1	0	0
60	2v	1	Total 1	O 1	0	0
60	2w	2	Total 2	O 2	0	0
60	2x	7	Total 7	O 7	0	0
60	2y	19	Total 19	O 19	0	0

3 Residue-property plots

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

• Molecule 1: 23S Ribosomal RNA



A2725	A2726	G2727	G2735	G2736	U2739	U2740	U2741	G2742	G2743	A2746	U2759	G2760	G2764	G2765	G2766	U2767	G2768	U2769	A2770	A2771	G2772	G2776	A2777	A2778	G2782	G2783	G2784	G2785	A2791	G2796	G2797	G2798	U2799	G2800	G2801	G2802	A2803	G2804	G2805	G2806	G2807	G	U	C	A	A2812	G2813	G2814	G2815	G2816					
G2590	C2603	G2604	A2614	G2615	U2616	U2617	U2618	G2619	G2620	U2621	G2622	U2623	G2624	G2629	C2638	G2639	G2640	A2641	G2642	G2643	G2647	G2653	C2658	U2659	G2660	U2661	U2662	U2665	A2666	A2672	G2673	A2677	G2678	G2679	G2680	G2685	C2689	U2695	G2697	G2698	U2699	U2700	U2701	G2702	G2703	U2714	G2587	G2588	A2589						
A2339	A2340	G2341	G2346	A2347	A2348	G2349	G2359	G2362	C2367	G2368	U2369	G2370	G2371	A2372	A2373	G2376	G2377	G2378	G2384	A2388	A2389	G2395	G2396	G2397	U2402	G2411	U2418	G2419	U2420	G2421	G2422	G2429	A2430	U2431	A2434	U2435	G2436	A2437	A2438	G2439	G2440	G2441	A2442	U2443	A2447										
A2451	C2452	C2453	G2457	A2460	G2467	G2473	U2474	G2475	G2476	G2486	G2487	A2488	G2495	A2500	G2511	G2514	A2515	U2516	G2517	U2518	A2530	U2559	G2560	U2561	G2562	G2563	U2564	G2565	U2566	G2569	G2570	A2576	G2577	A2578	U2579	U2700	U2701	G2580	C2585	U2586	G2587	G2588	A2589												
U2230	G2231	A2237	U2245	G2246	G2250	G2251	U2255	U2256	G2262	G2263	G2264	A2280	A2281	G2282	G2283	U2284	A2285	A2286	G2287	A2288	A2289	A2290	G2291	G2292	C2295	A2296	G2297	A2298	A2299	U2303	G2304	C2305	G2314	G2315	G2316	A2317	G2320	A2321	U2324	U2325	G2327	C2328	G2331	A2332	G2337	G2338									
G2159	G2160	G2161	G2162	G2163	G2164	G2165	U2166	G2167	G2168	G2171	G2172	G2173	G2174	G2175	G2176	G2177	G2178	G2179	A2180	G2181	G2182	G2183	G2184	G2185	G2186	G2187	G2188	U2189	G2190	A2191	A2192	A2193	U2194	G2195	G2196	G2197	A2198	G2199	G2200	G2203	G2204	G2205	A2206	G2207	G2208	G2209	G2210	U2211	G2212	G2213	G2214	A2220	G2227	G2228	A2229
C2065	G2071	A1958	G2072	A1959	A1960	U1961	G1964	G1967	U1977	C1984	U1985	C1989	G1990	A1991	A1992	A1993	A1994	C1996	G1997	U1998	C2001	G2007	A2008	G2011	G2014	U2015	G2018	G2019	A2023	G2024	G2034	A2035	A2041	A2042	G2043	U2044	G2045	G2051	A2052	A2053	G2054	A2055	U2056	G2057	C2061	G2158									
G1832	A1833	A1834	A1846	G1847	G1848	G1857	G1858	G1859	A1860	C1861	C1874	A1878	U1882	C1883	G1889	A1890	G1891	G1892	C1897	A1898	A1899	C1904	G1908	A1911	G1915	G1921	A1922	U1933	A1934	A1935	G1936	U1937	A1938	U1939	A1940	A1941	C1942	U1945	C1946	G1951															
U1739	U1740	C1741	G1742	G1743	A1747	G1750	U1756	G1758	C1759	U1760	U1765	G1766	A1767	U1768	C1775	G1776	C1785	A1786	G1787	U1788	G1789	A1793	G1794	G1795	A1804	C1805	U1806	U1809	U1810	A1811	C1812	C1813	A1814	A1815	A1816	A1817	C1821	A1822	G1823	U1825	C1826	U1827	C1828	U1829	G1830	C1831									
U1587	G1588	A1589	A1592	C1593	U1594	A1605	A1613	A1616	U1625	A1626	G1627	G1628	C1631	A1632	A1633	C1634	C1635	G1639	G1640	A1649	A1654	G1668	G1676	C1677	C1683	A1684	C1685	U1686	C1687	A1688	G1689	U1694	C1695	A1699	G1700	A1701	A1711	G1716	C1717	U1718	C1719	U1720	G1721												
U1319	A1320	A1321	A1322	G1323	A1324	U1338	C1339	C1343	U1346	A1347	G1349	C1361	C1366	A1371	G1373	G1378	C1391	U1398	G1402	A1405	A1406	G1410	A1411	U1418	A1425	G1426	C1451	U1452	C1453	G1462	G1463	G1464	A1465	U1466	G1467	A1473																			
G1474	G1475	U1476	U1477	G1478	U1479	A1491	G1495	G1496	G1497	G1502	G1512	G1513	C1514	G1525	G1529	G1537	C1538	A1540	G1546	C1548	U1549	C1551	C1552	A1553	A1554	C1555	A1556	U1560	C1561	U1562	U1566	G1567	U1569	G1572	G1573	C1579	G	U	A	C	G1584	G1585	G1586												
G1171	C1180	G1181	A1188	G1195	A1201	A1202	G1210	U1211	U1212	U1213	G1217	G1218	A1219	U1220	G1221	A1222	C1223	G1228	G1229	G1232	U1233	U1243	C1246	A1255	U1256	G1273	G1277	G1278	G1281	G1289	G1296	A1299	G1302	G1312	G1313	U1314	G1317	A1318																	

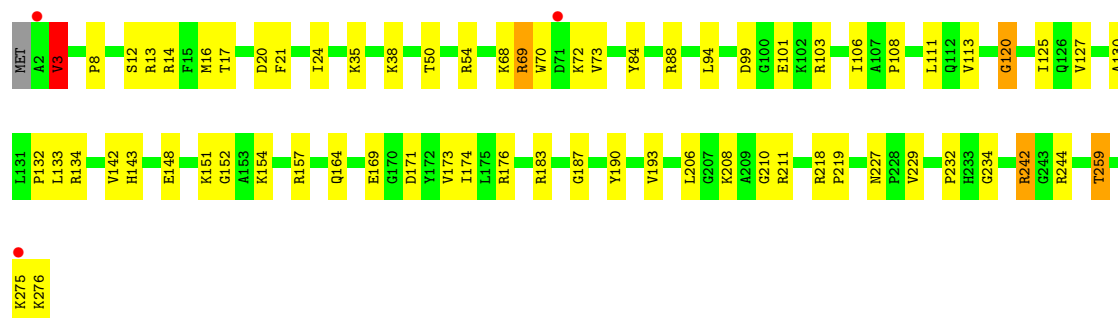
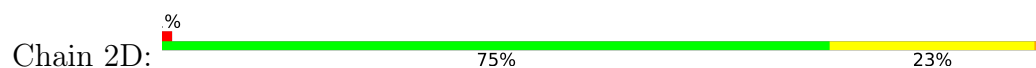




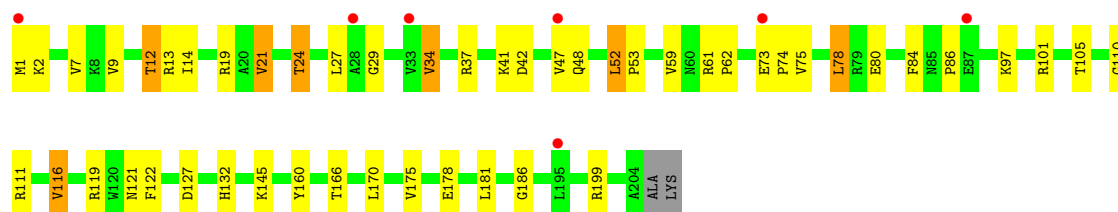
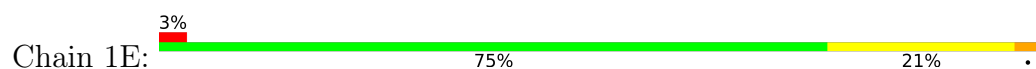




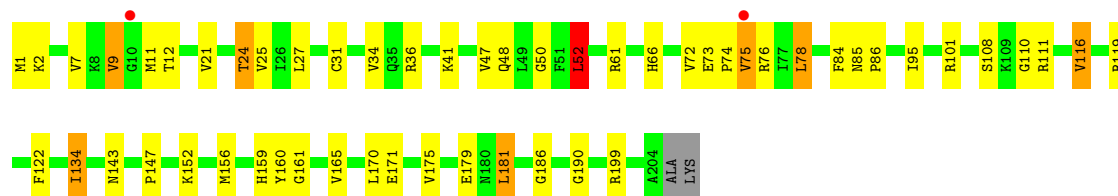
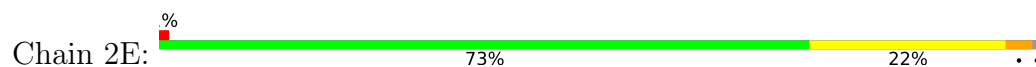
- Molecule 3: 50S ribosomal protein L2



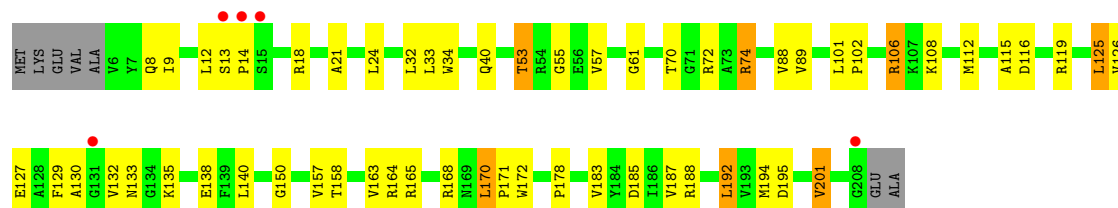
- Molecule 4: 50S ribosomal protein L3



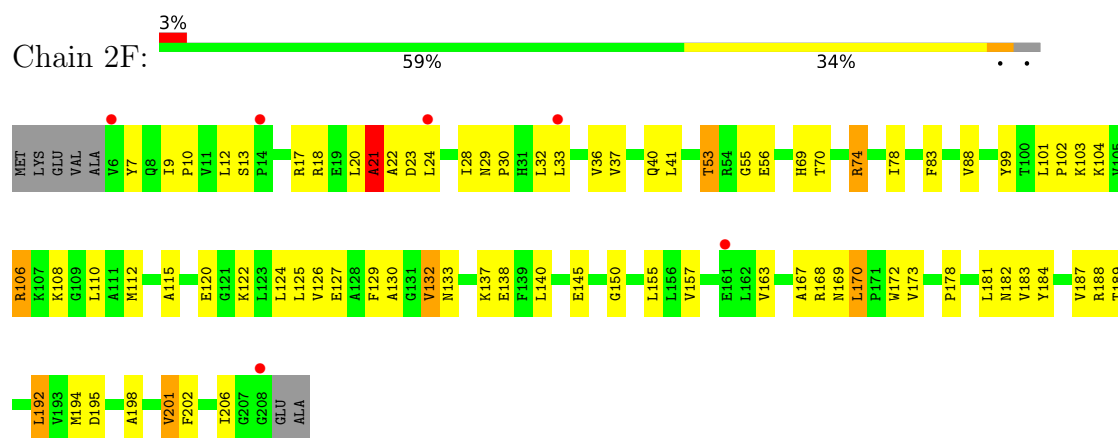
- Molecule 4: 50S ribosomal protein L3



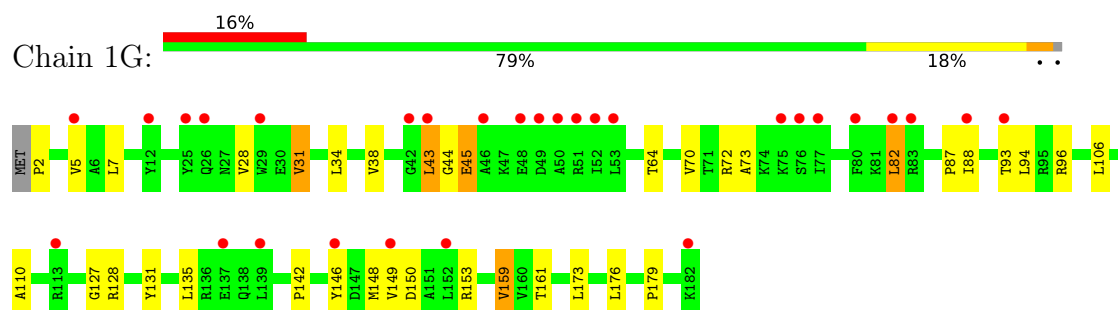
- Molecule 5: 50S ribosomal protein L4



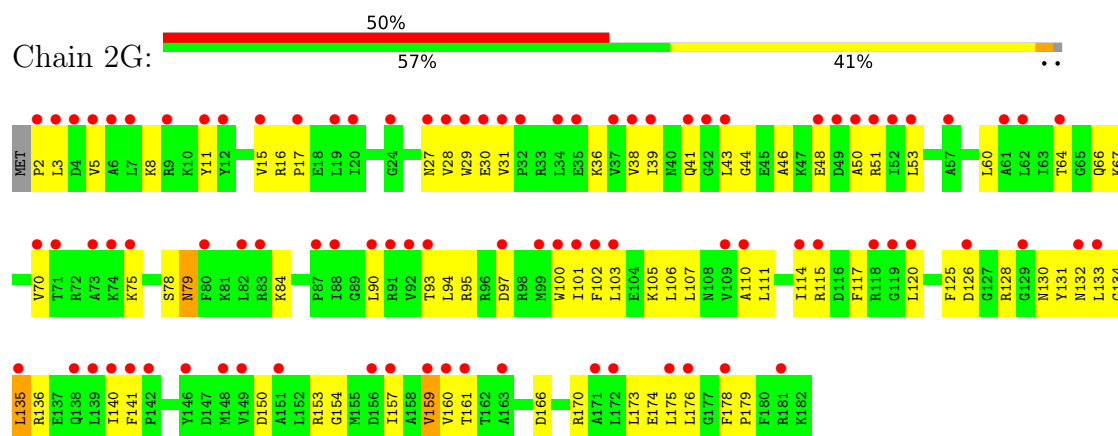
- Molecule 5: 50S ribosomal protein L4



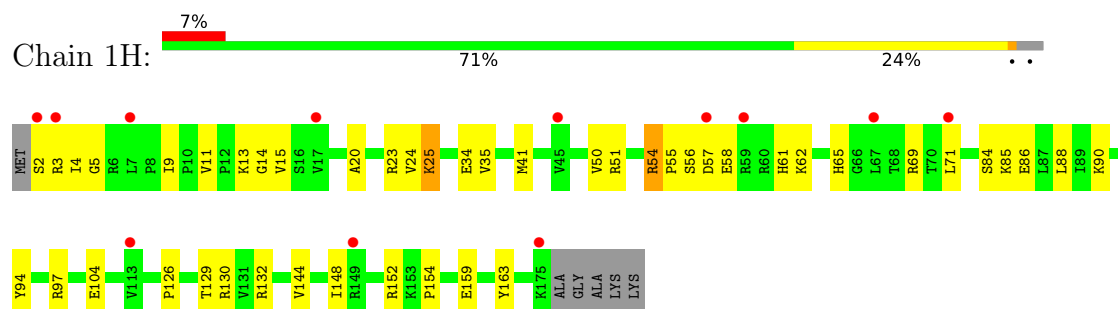
- Molecule 6: 50S ribosomal protein L5



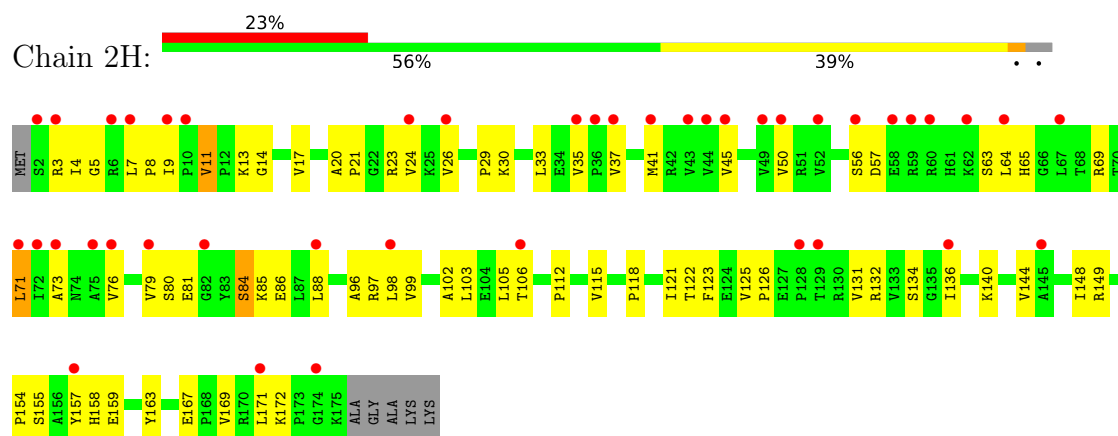
- Molecule 6: 50S ribosomal protein L5



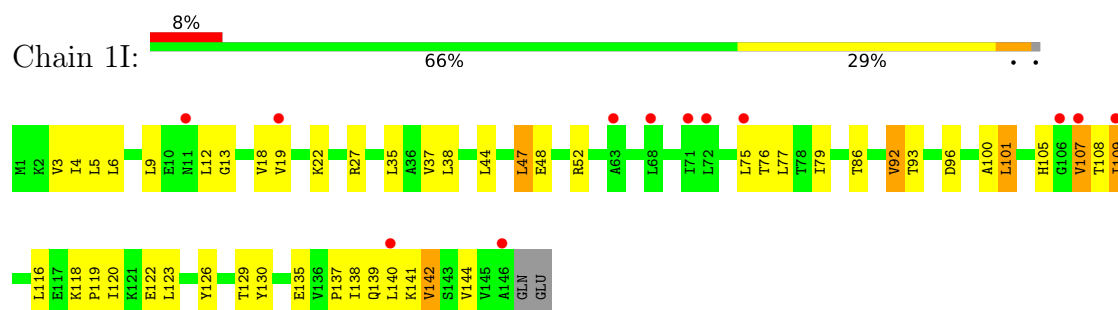
- Molecule 7: 50S ribosomal protein L6



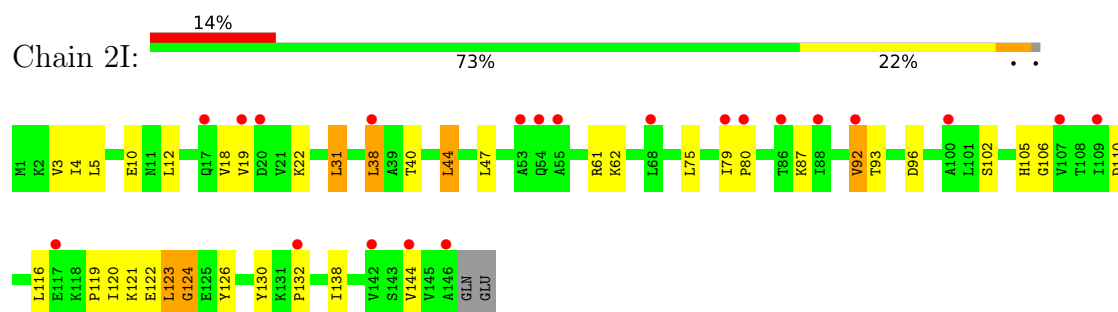
- Molecule 7: 50S ribosomal protein L6



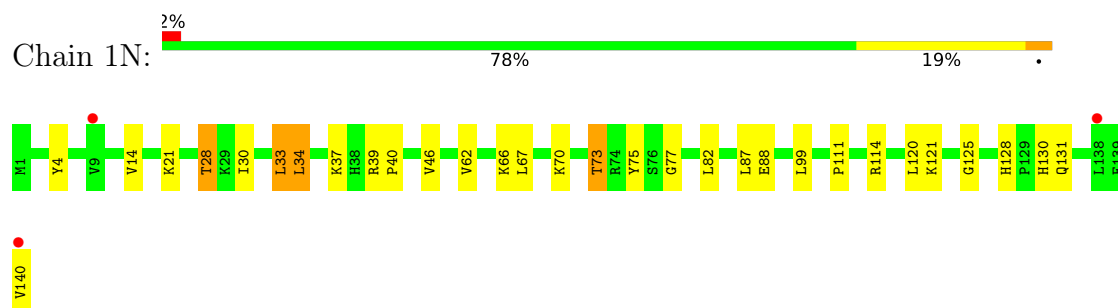
- Molecule 8: 50S ribosomal protein L9



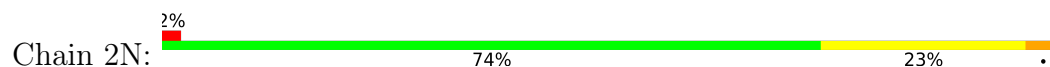
- Molecule 8: 50S ribosomal protein L9



- Molecule 9: 50S ribosomal protein L13

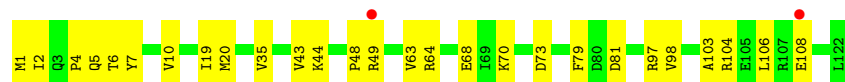
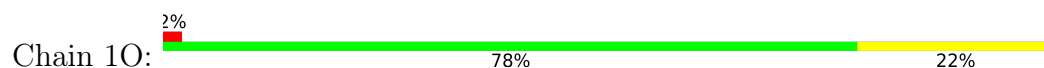


- Molecule 9: 50S ribosomal protein L13

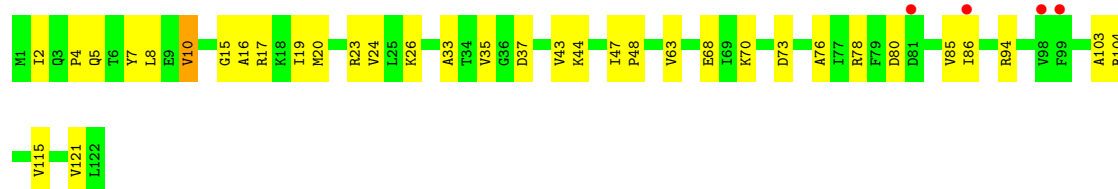
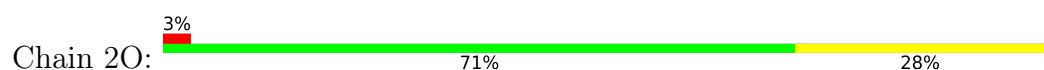




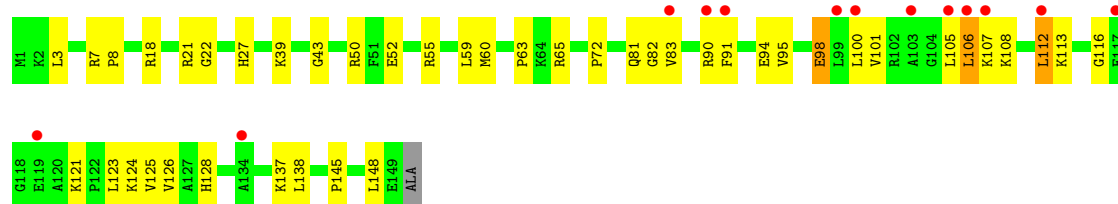
- Molecule 10: 50S ribosomal protein L14



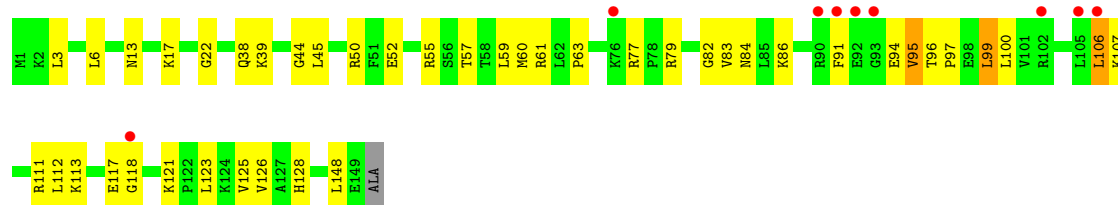
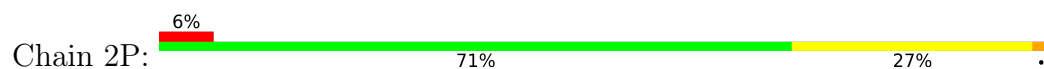
- Molecule 10: 50S ribosomal protein L14



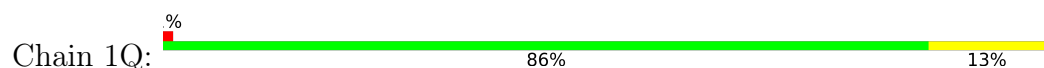
- Molecule 11: 50S ribosomal protein L15



- Molecule 11: 50S ribosomal protein L15

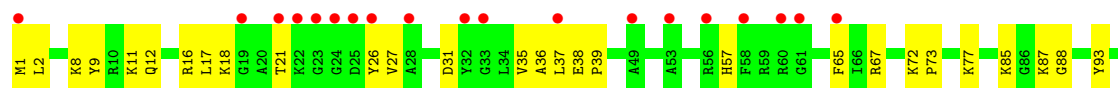


- Molecule 12: 50S ribosomal protein L16





- Molecule 12: 50S ribosomal protein L16



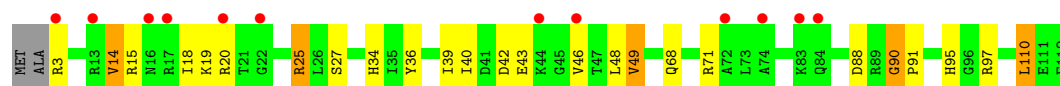
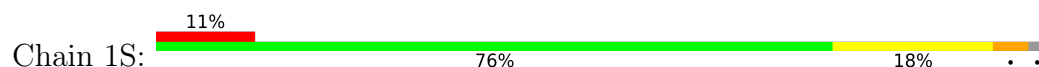
- Molecule 13: 50S ribosomal protein L17



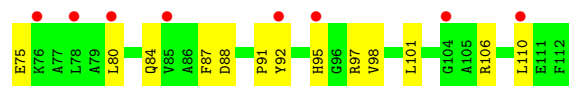
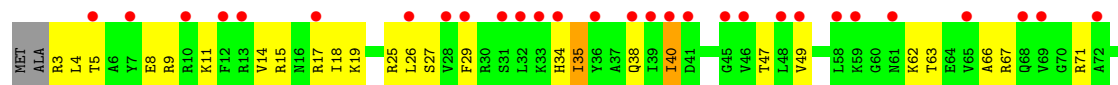
- Molecule 13: 50S ribosomal protein L17



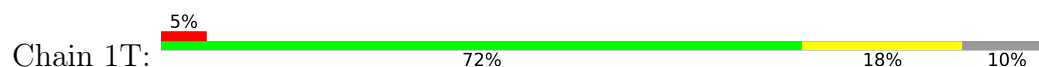
- Molecule 14: 50S ribosomal protein L18

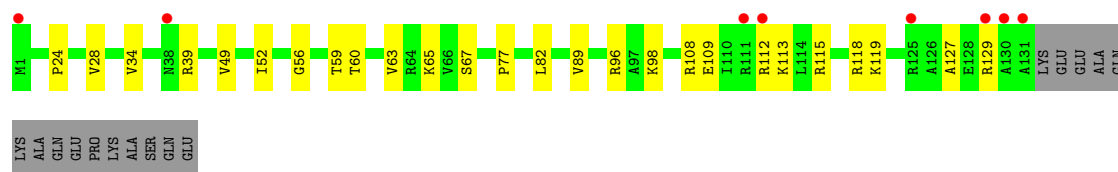


- Molecule 14: 50S ribosomal protein L18

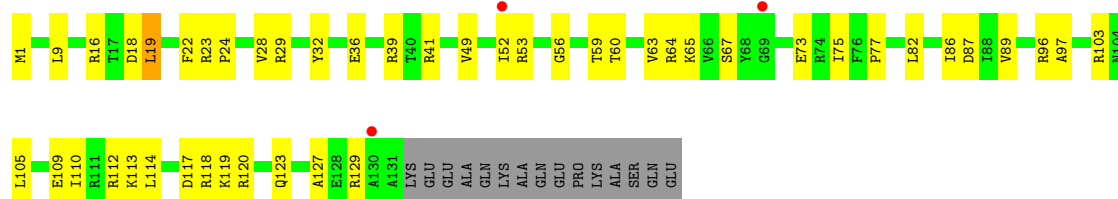


- Molecule 15: 50S ribosomal protein L19

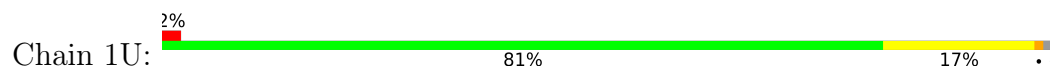




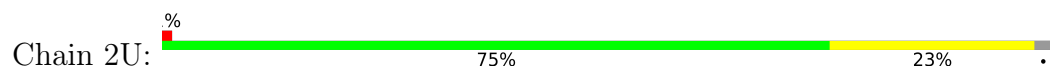
• Molecule 15: 50S ribosomal protein L19



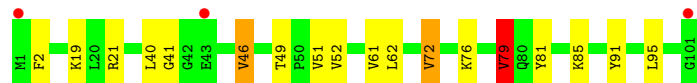
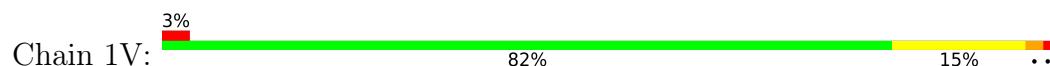
• Molecule 16: 50S ribosomal protein L20



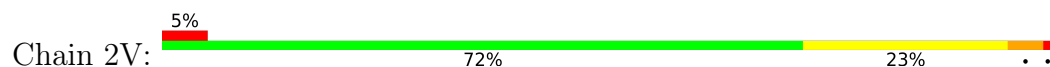
• Molecule 16: 50S ribosomal protein L20



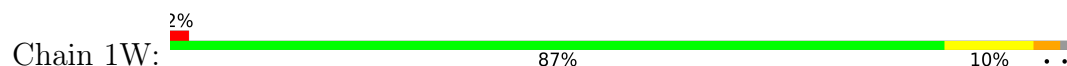
• Molecule 17: 50S ribosomal protein L21



• Molecule 17: 50S ribosomal protein L21

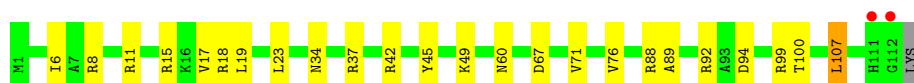
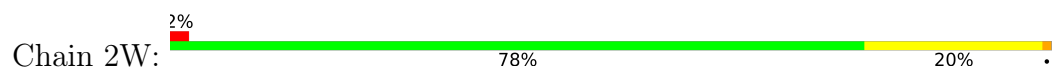


• Molecule 18: 50S ribosomal protein L22

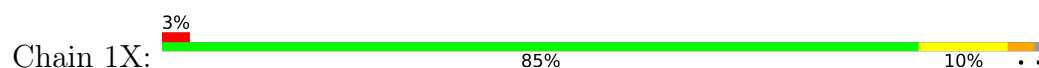




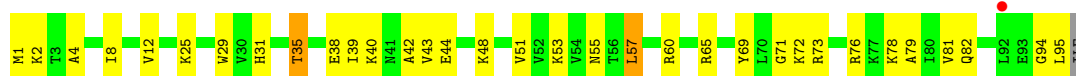
- Molecule 18: 50S ribosomal protein L22



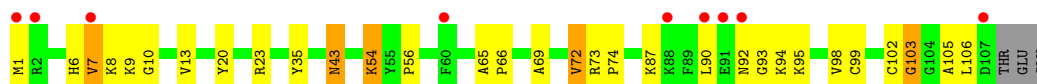
- Molecule 19: 50S ribosomal protein L23



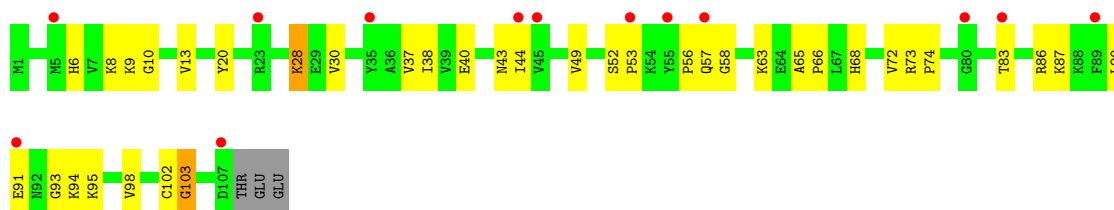
- Molecule 19: 50S ribosomal protein L23



- Molecule 20: 50S ribosomal protein L24

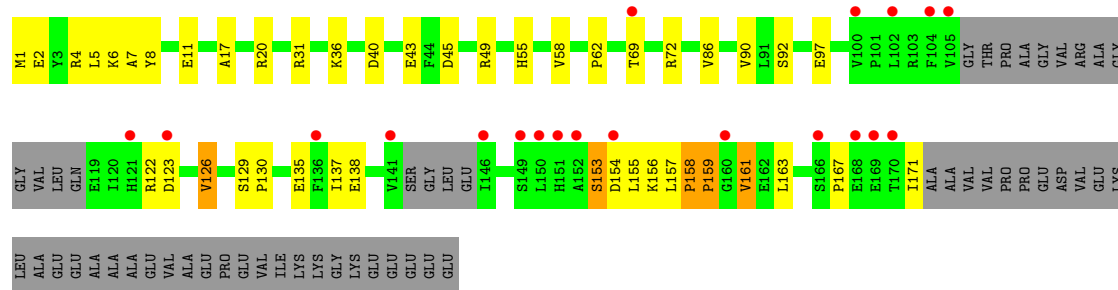


- Molecule 20: 50S ribosomal protein L24

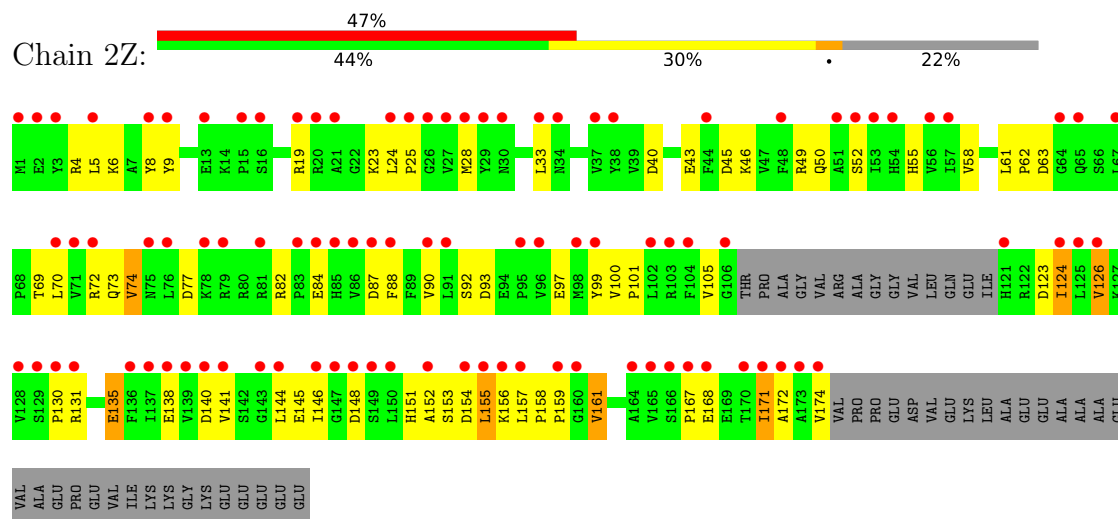


- Molecule 21: 50S ribosomal protein L25

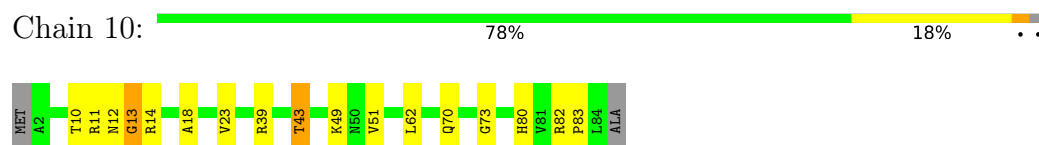




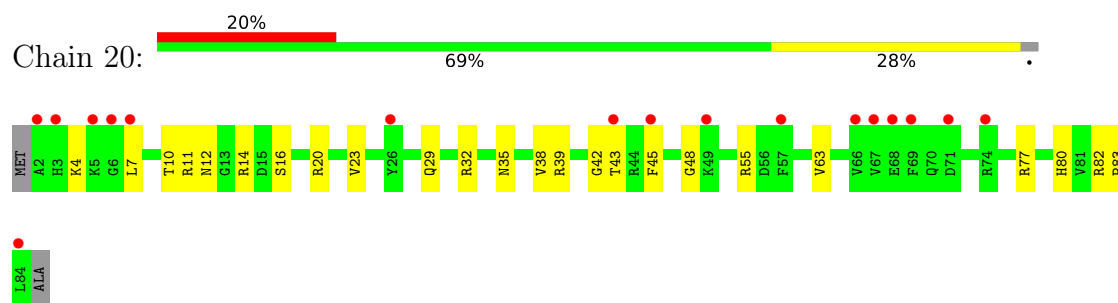
- Molecule 21: 50S ribosomal protein L25



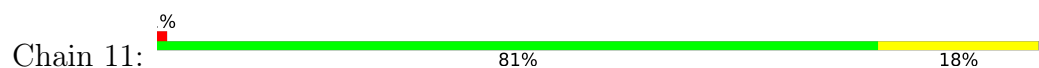
- Molecule 22: 50S ribosomal protein L27

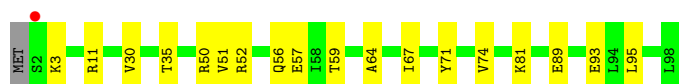


- Molecule 22: 50S ribosomal protein L27

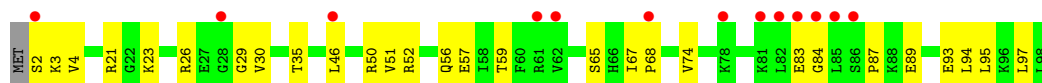


- Molecule 23: 50S ribosomal protein L28

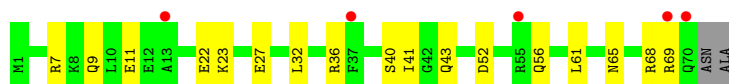
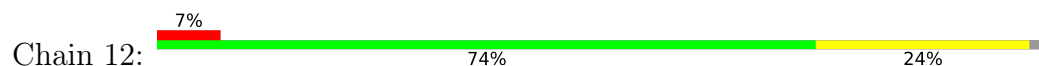




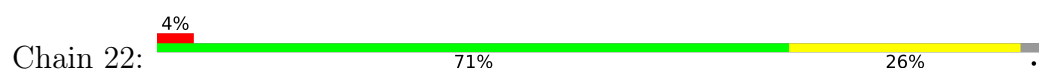
- Molecule 23: 50S ribosomal protein L28



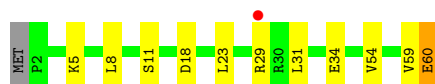
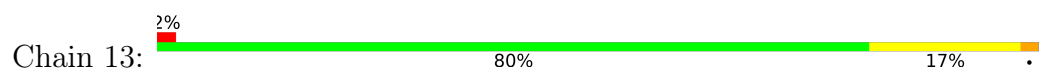
- Molecule 24: 50S ribosomal protein L29



- Molecule 24: 50S ribosomal protein L29



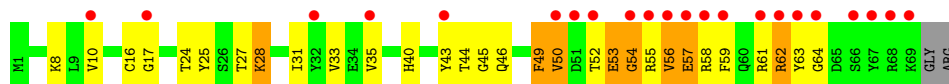
- Molecule 25: 50S ribosomal protein L30



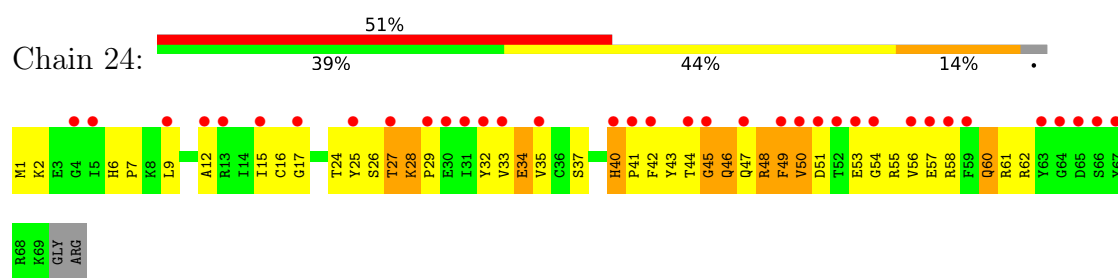
- Molecule 25: 50S ribosomal protein L30



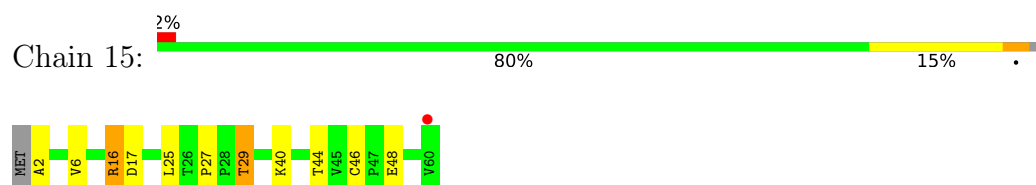
- Molecule 26: 50S ribosomal protein L31



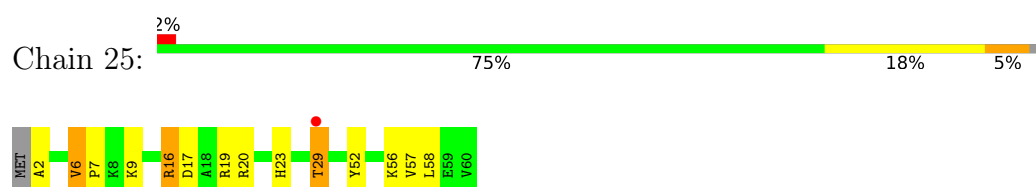
- Molecule 26: 50S ribosomal protein L31



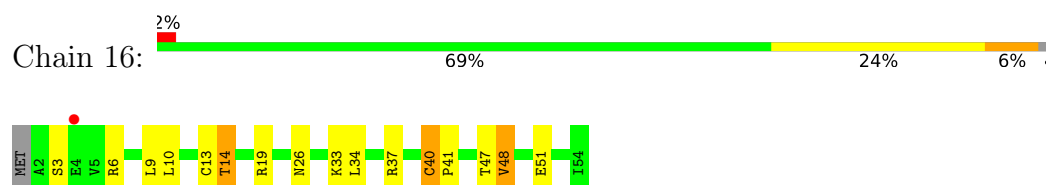
- Molecule 27: 50S ribosomal protein L32



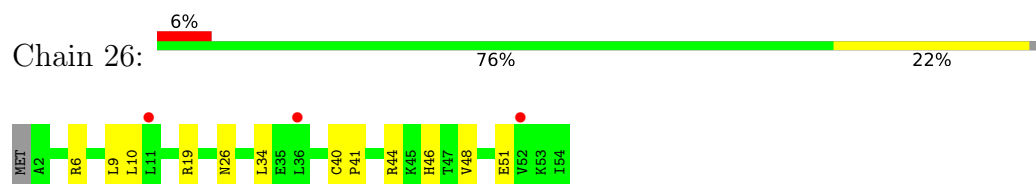
- Molecule 27: 50S ribosomal protein L32



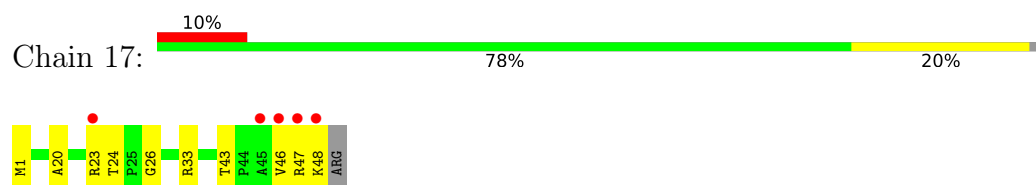
- Molecule 28: 50S ribosomal protein L33



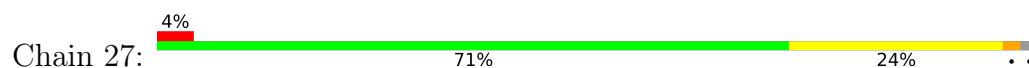
- Molecule 28: 50S ribosomal protein L33

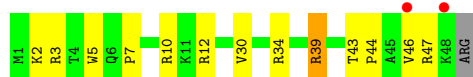


- Molecule 29: 50S ribosomal protein L34

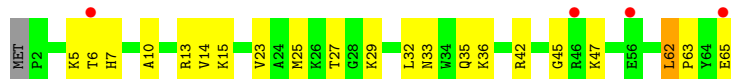


- Molecule 29: 50S ribosomal protein L34

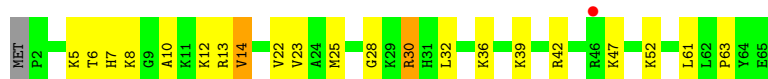




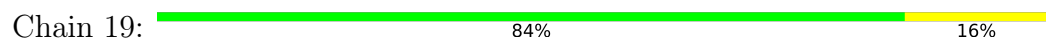
- Molecule 30: 50S ribosomal protein L35



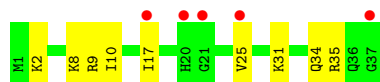
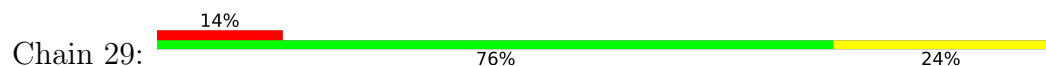
- Molecule 30: 50S ribosomal protein L35



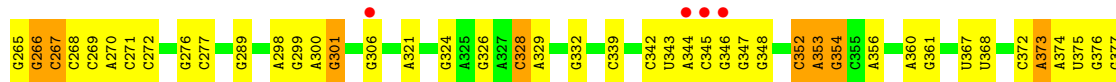
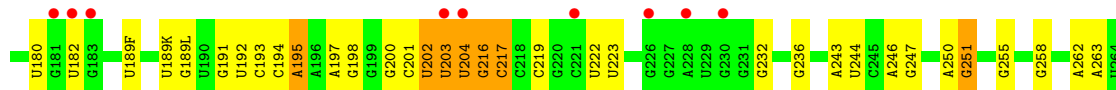
- Molecule 31: 50S ribosomal protein L36

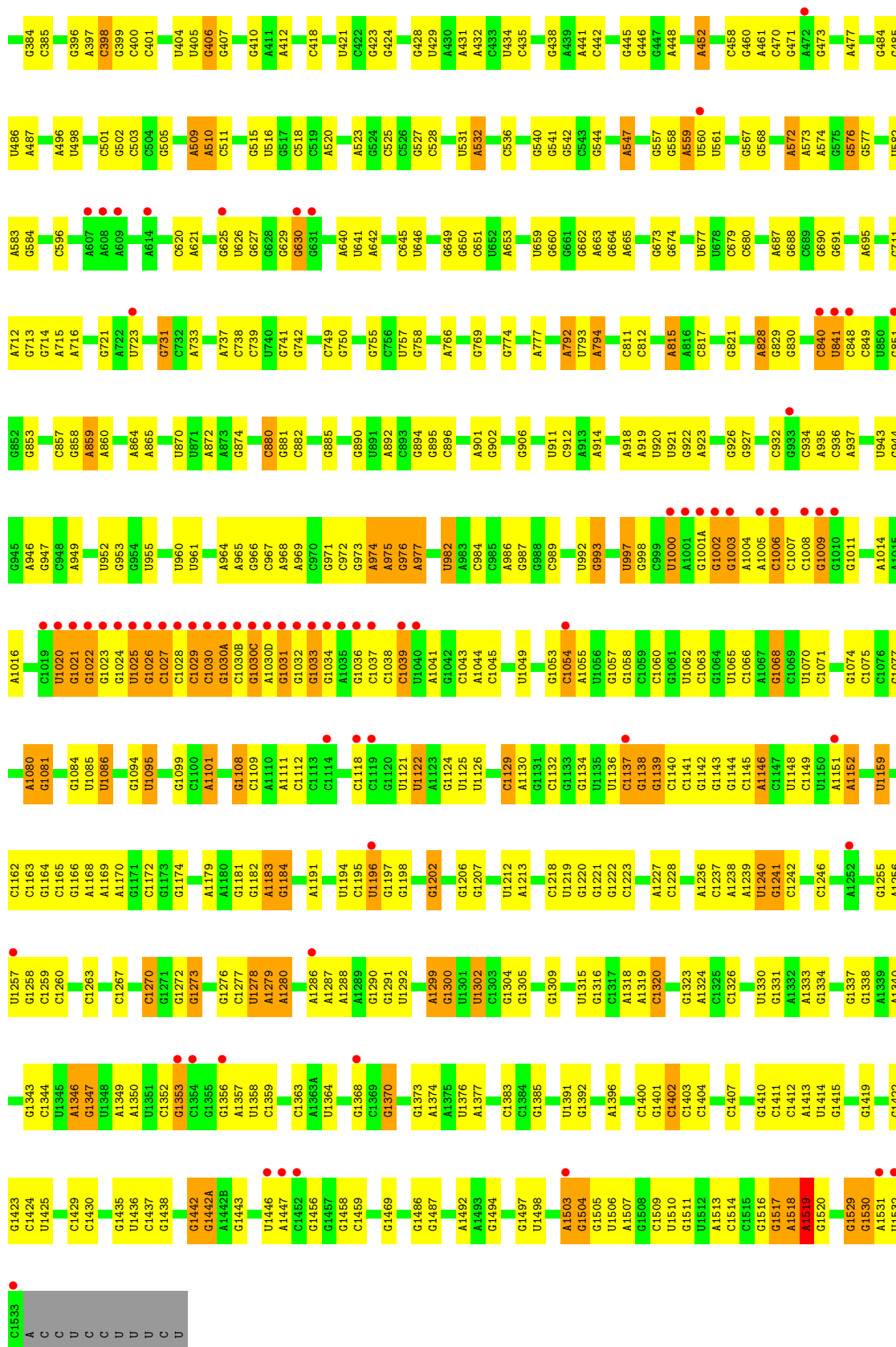


- Molecule 31: 50S ribosomal protein L36



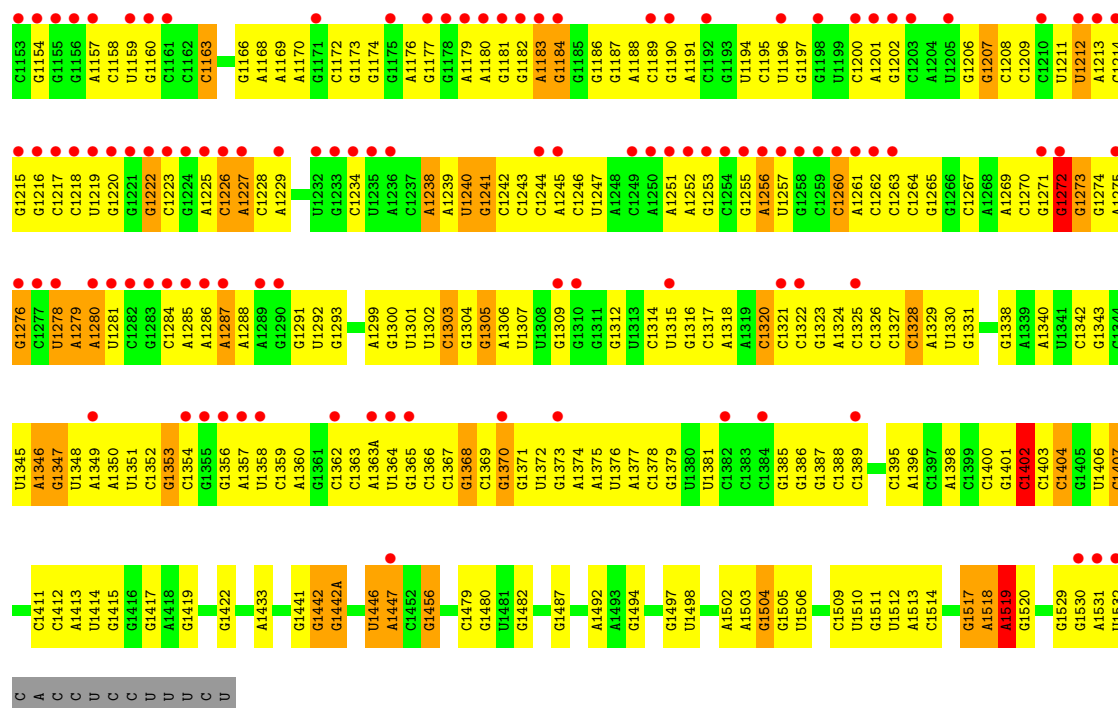
- Molecule 32: 16S Ribosomal RNA



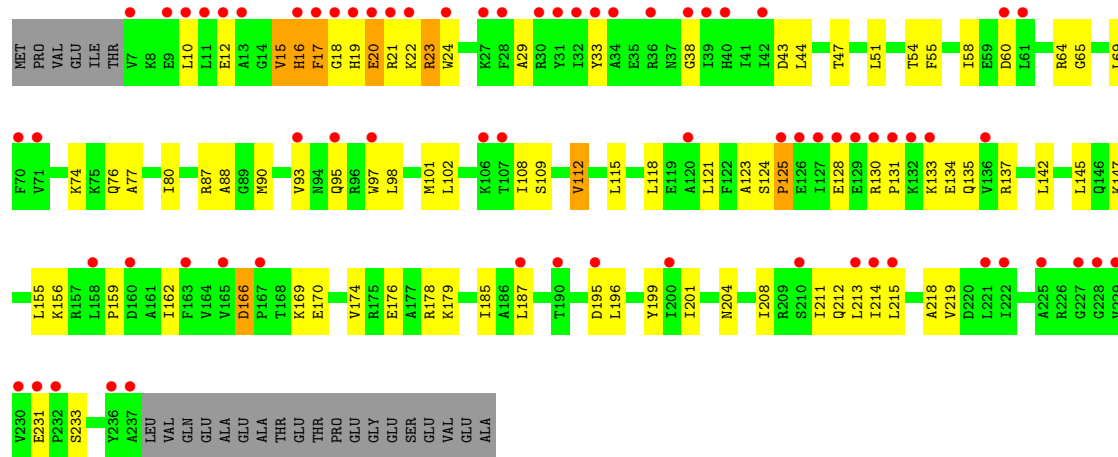


● Molecule 32: 16S Ribosomal RNA

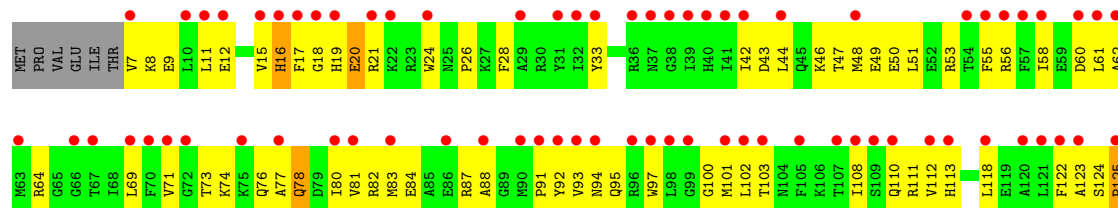


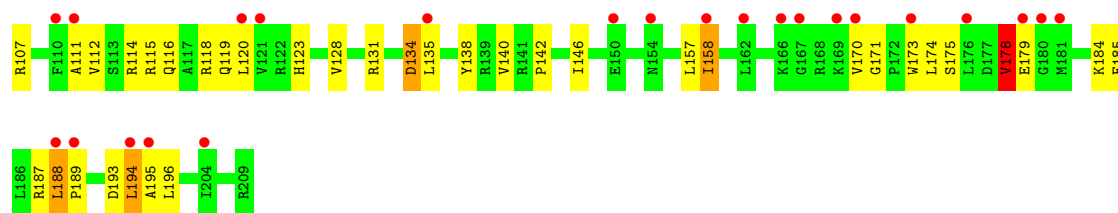


• Molecule 33: 30S ribosomal protein S2

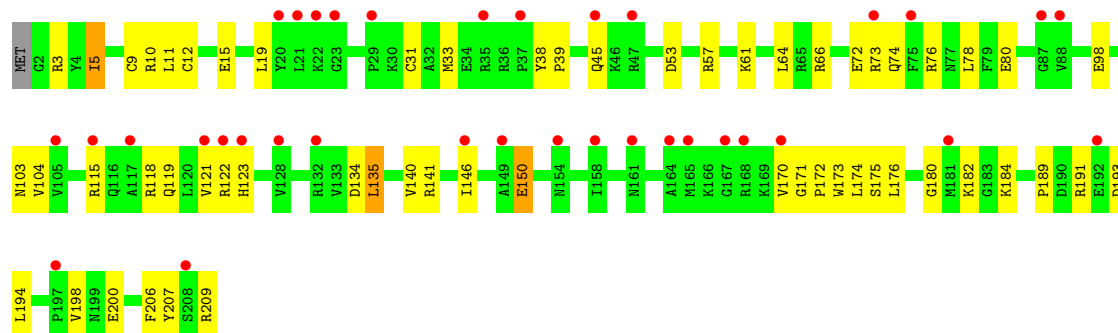
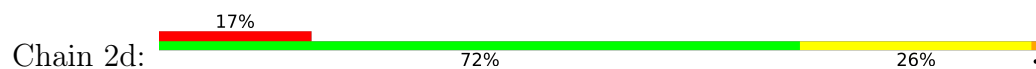


• Molecule 33: 30S ribosomal protein S2

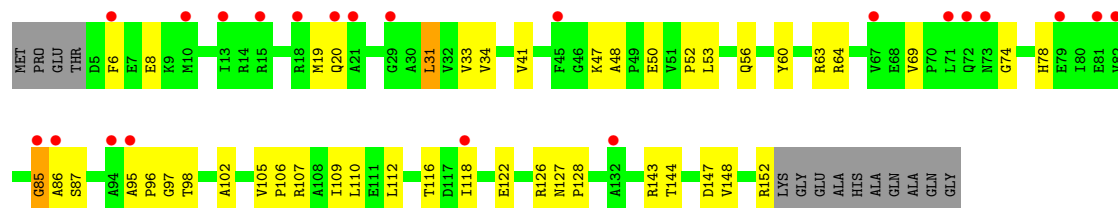




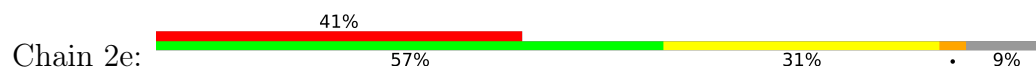
• Molecule 35: 30S ribosomal protein S4



• Molecule 36: 30S ribosomal protein S5

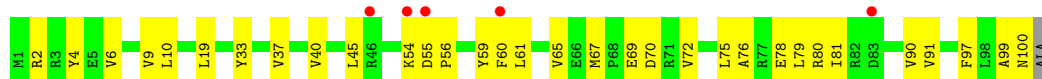


• Molecule 36: 30S ribosomal protein S5

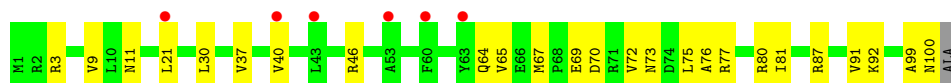
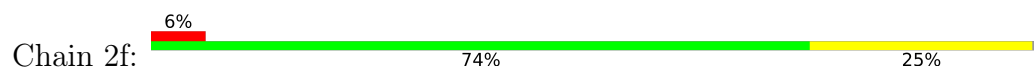


• Molecule 37: 30S ribosomal protein S6

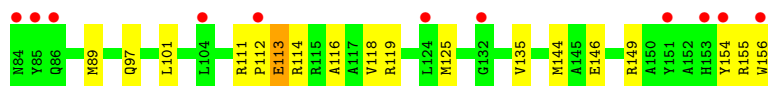
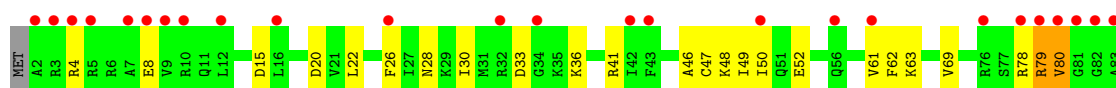
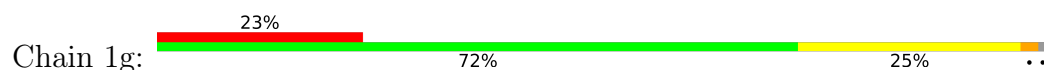




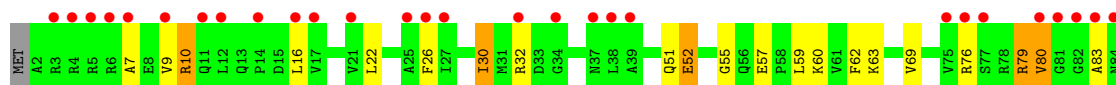
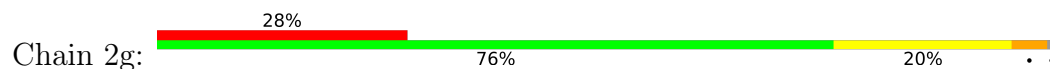
- Molecule 37: 30S ribosomal protein S6



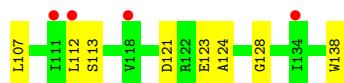
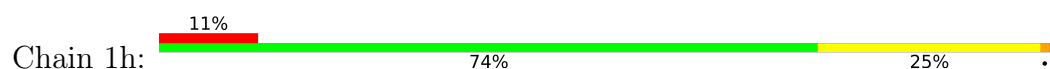
- Molecule 38: 30S ribosomal protein S7



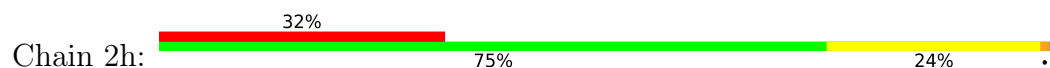
- Molecule 38: 30S ribosomal protein S7

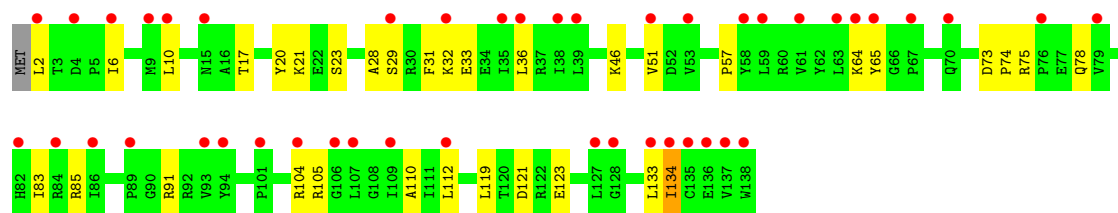


- Molecule 39: 30S ribosomal protein S8

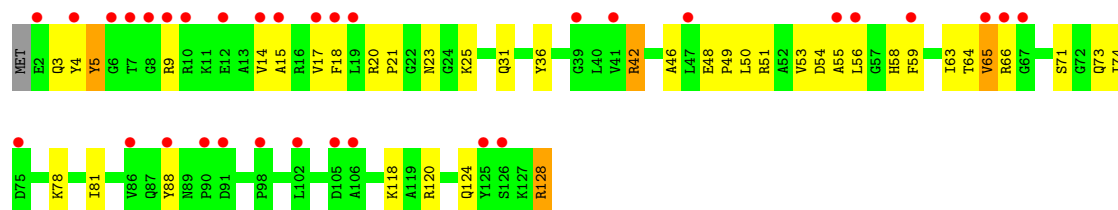


- Molecule 39: 30S ribosomal protein S8

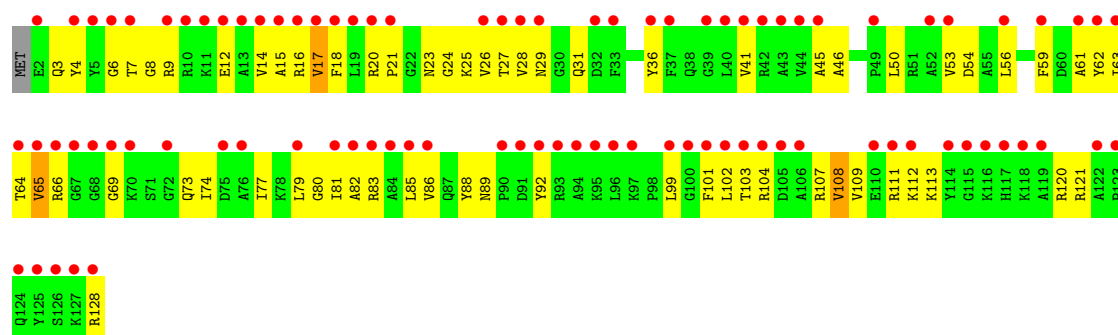




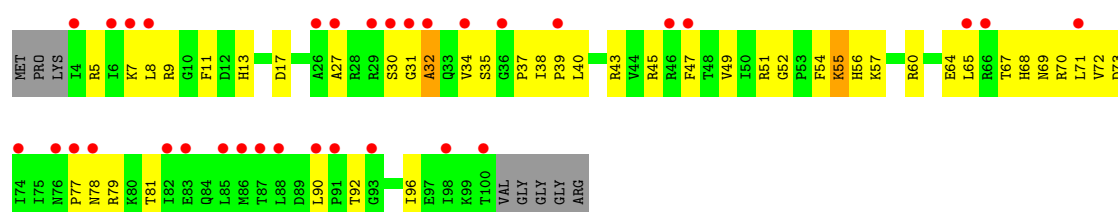
• Molecule 40: 30S ribosomal protein S9



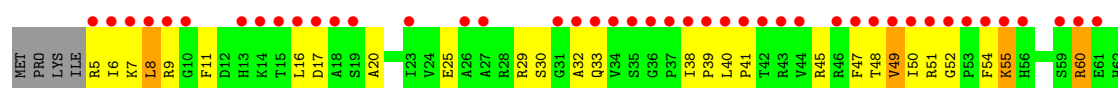
• Molecule 40: 30S ribosomal protein S9

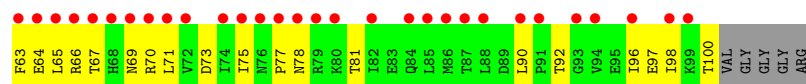


• Molecule 41: 30S ribosomal protein S10

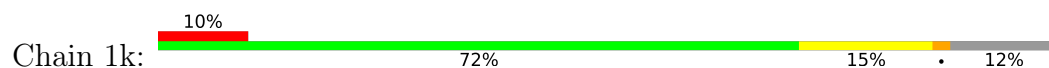


• Molecule 41: 30S ribosomal protein S10

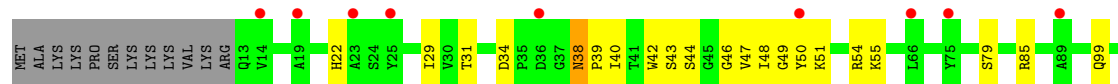




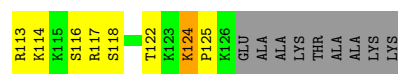
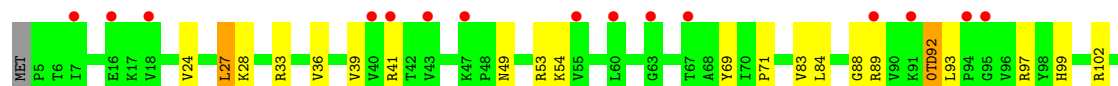
• Molecule 42: 30S ribosomal protein S11



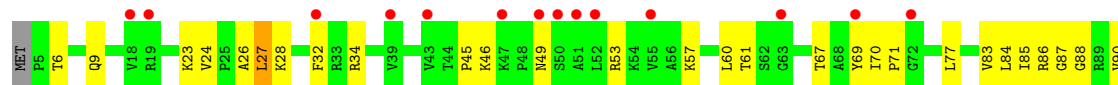
• Molecule 42: 30S ribosomal protein S11



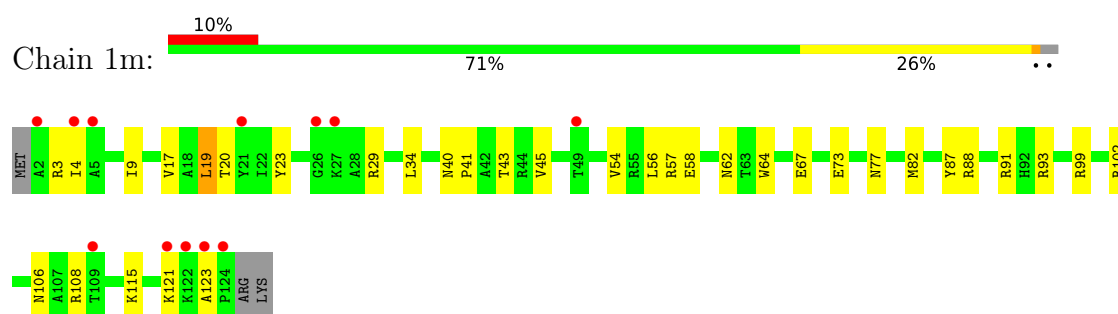
• Molecule 43: 30S ribosomal protein S12



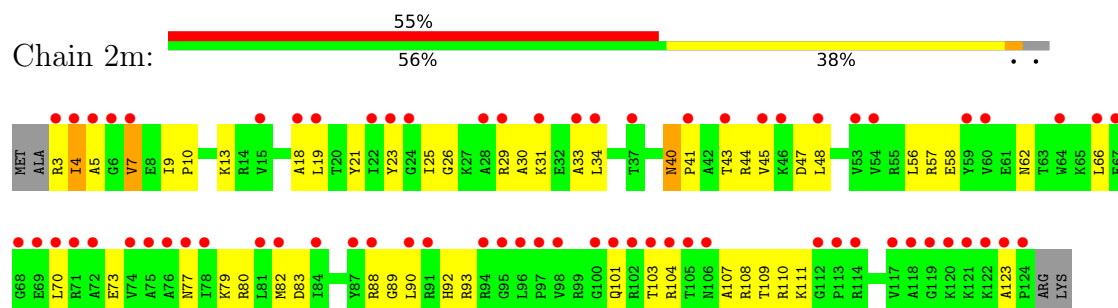
• Molecule 43: 30S ribosomal protein S12



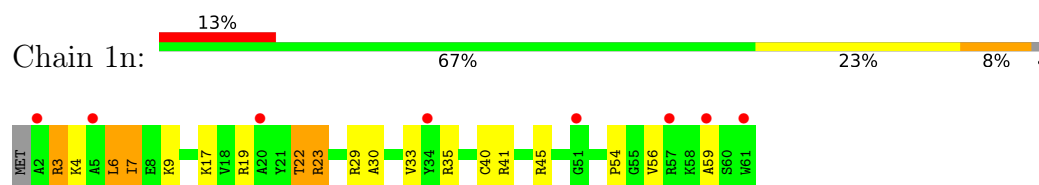
• Molecule 44: 30S ribosomal protein S13



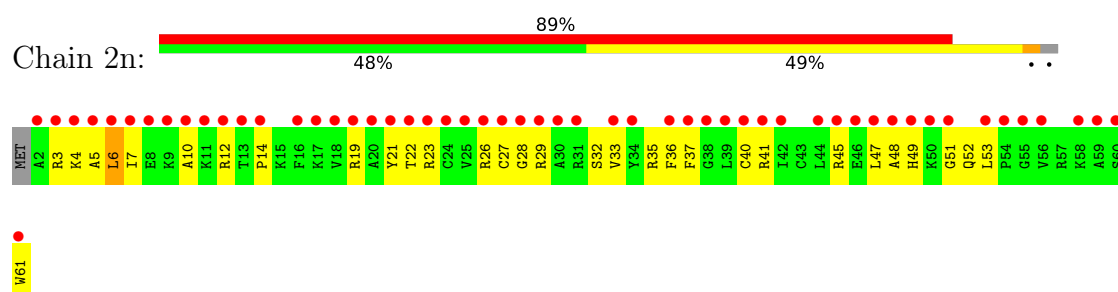
- Molecule 44: 30S ribosomal protein S13



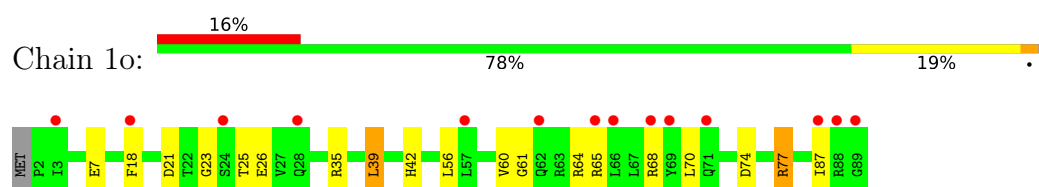
- Molecule 45: 30S ribosomal protein S14 type Z



- Molecule 45: 30S ribosomal protein S14 type Z

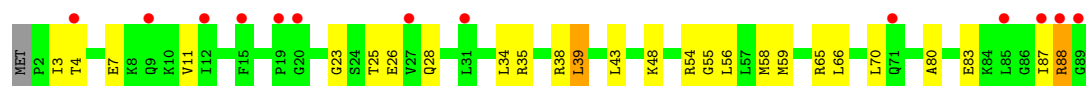


- Molecule 46: 30S ribosomal protein S15

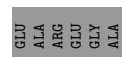
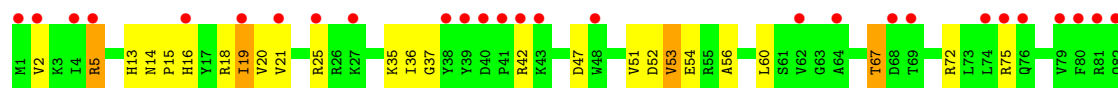


- Molecule 46: 30S ribosomal protein S15

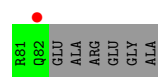




- Molecule 47: 30S ribosomal protein S16



- Molecule 47: 30S ribosomal protein S16



- Molecule 48: 30S ribosomal protein S17

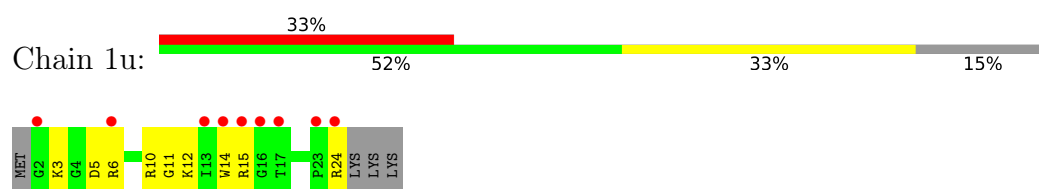


- Molecule 48: 30S ribosomal protein S17

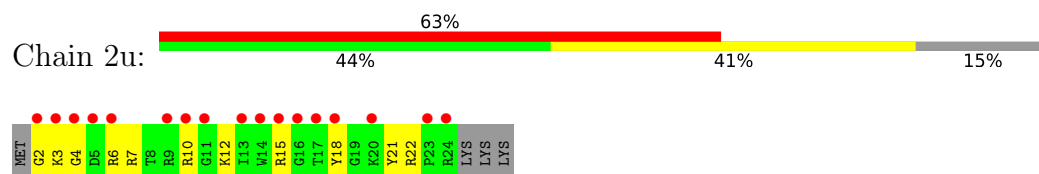


- Molecule 49: 30S ribosomal protein S18

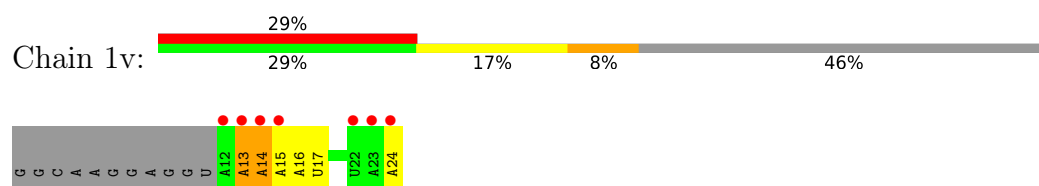




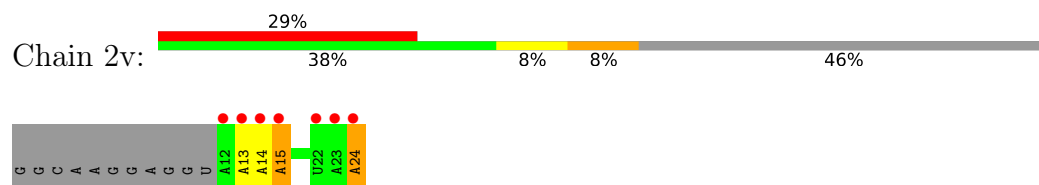
- Molecule 52: 30S ribosomal protein Thx



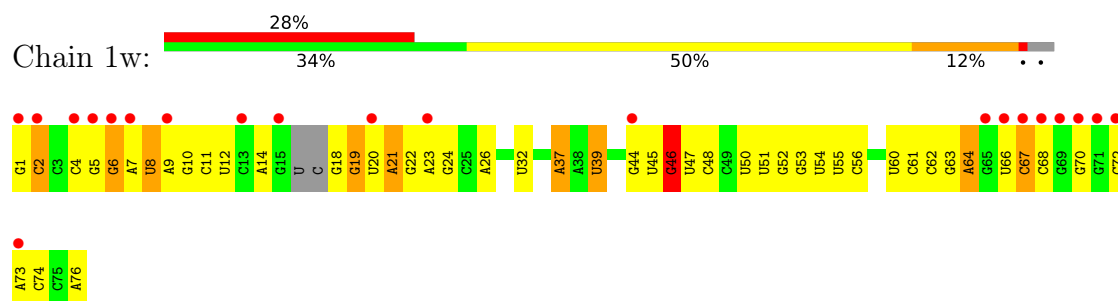
- Molecule 53: mRNA



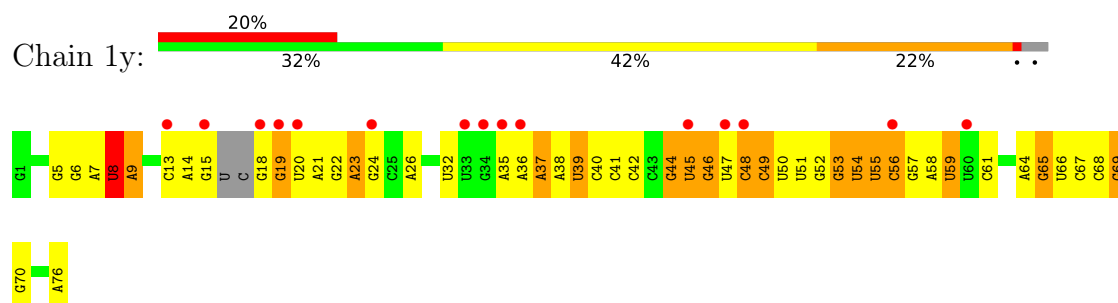
- Molecule 53: mRNA



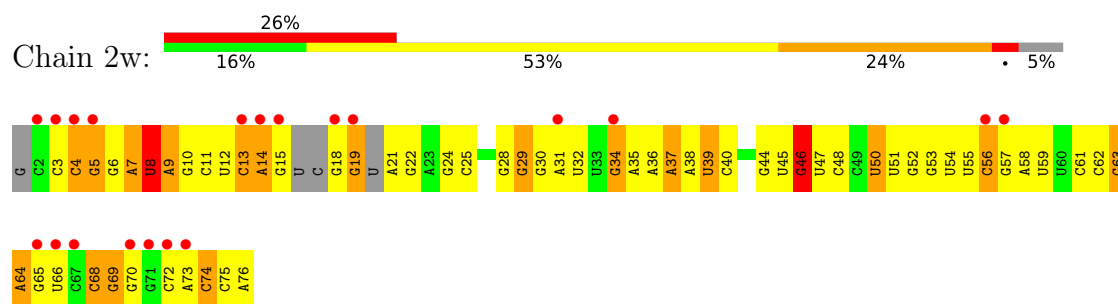
- Molecule 54: A-site and E-site tRNAs



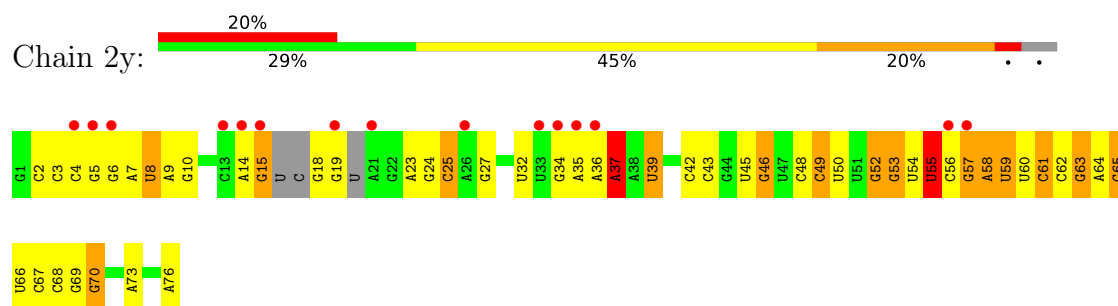
- Molecule 54: A-site and E-site tRNAs



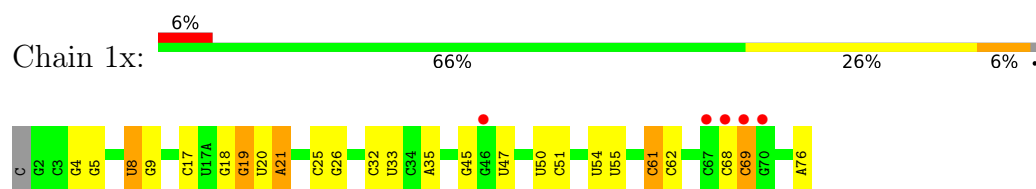
- Molecule 54: A-site and E-site tRNAs



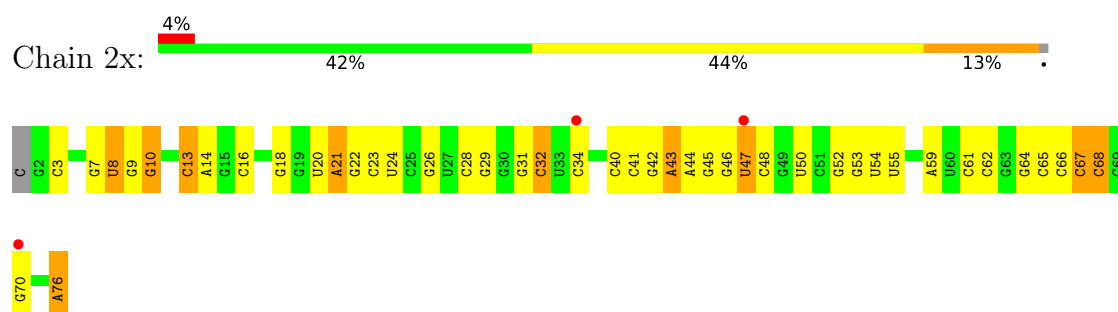
• Molecule 54: A-site and E-site tRNAs



• Molecule 55: P-site tRNA



• Molecule 55: P-site tRNA



4 Data and refinement statistics

Property	Value	Source
Space group	P 21 21 21	Depositor
Cell constants a, b, c, α , β , γ	209.70Å 450.05Å 624.09Å 90.00° 90.00° 90.00°	Depositor
Resolution (Å)	122.01 – 2.50 122.01 – 2.50	Depositor EDS
% Data completeness (in resolution range)	97.8 (122.01-2.50) 97.8 (122.01-2.50)	Depositor EDS
R_{merge}	0.14	Depositor
R_{sym}	(Not available)	Depositor
$\langle I/\sigma(I) \rangle$ ¹	1.22 (at 2.52Å)	Xtriage
Refinement program	PHENIX (phenix.refine: 1.8.2_1309)	Depositor
R, R_{free}	0.231 , 0.281 0.232 , 0.282	Depositor DCC
R_{free} test set	98495 reflections (4.91%)	wwPDB-VP
Wilson B-factor (Å ²)	47.4	Xtriage
Anisotropy	0.174	Xtriage
Bulk solvent k_{sol} (e/Å ³), B_{sol} (Å ²)	0.31 , 57.4	EDS
L-test for twinning ²	$\langle L \rangle = 0.41$, $\langle L^2 \rangle = 0.23$	Xtriage
Estimated twinning fraction	No twinning to report.	Xtriage
F_o, F_c correlation	0.91	EDS
Total number of atoms	300910	wwPDB-VP
Average B, all atoms (Å ²)	60.0	wwPDB-VP

Xtriage's analysis on translational NCS is as follows: *The largest off-origin peak in the Patterson function is 1.58% 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: 0TD, 4OC, MA6, 5MC, OMG, UR3, MG, M2G, PSU, 7MG, 2MG, 2MA, MIA, ZN, K, 4SU, SF4, 5MU, 2MU

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	0.34	0/69009	0.51	3/107712 (0.0%)
1	2A	0.28	0/67293	0.49	1/105034 (0.0%)
2	1B	0.26	0/2882	0.41	0/4494
2	2B	0.30	0/2879	0.48	0/4487
3	1D	0.56	0/2186	0.90	2/2944 (0.1%)
3	2D	0.49	0/2186	0.93	4/2944 (0.1%)
4	1E	0.57	0/1592	0.93	0/2149
4	2E	0.49	0/1592	0.94	4/2149 (0.2%)
5	1F	0.55	0/1619	0.89	3/2193 (0.1%)
5	2F	0.46	0/1615	0.93	3/2188 (0.1%)
6	1G	0.44	0/1448	0.87	3/1957 (0.2%)
6	2G	0.44	0/1453	1.00	6/1963 (0.3%)
7	1H	0.49	0/1356	0.92	3/1834 (0.2%)
7	2H	0.44	0/1356	0.92	2/1834 (0.1%)
8	1I	0.42	0/1112	0.88	1/1514 (0.1%)
8	2I	0.41	0/1079	0.92	4/1475 (0.3%)
9	1N	0.54	0/1144	0.90	2/1543 (0.1%)
9	2N	0.46	0/1144	0.99	6/1543 (0.4%)
10	1O	0.54	0/943	0.88	0/1269
10	2O	0.44	0/943	0.84	0/1269
11	1P	0.54	0/1152	0.86	2/1533 (0.1%)
11	2P	0.43	0/1152	0.97	4/1533 (0.3%)
12	1Q	0.54	0/1143	0.79	0/1527
12	2Q	0.46	0/1143	0.91	0/1527
13	1R	0.59	0/982	0.88	1/1312 (0.1%)
13	2R	0.52	0/982	0.85	0/1312
14	1S	0.45	0/883	0.85	3/1176 (0.3%)
14	2S	0.45	0/880	0.92	1/1172 (0.1%)
15	1T	0.50	0/1105	0.85	0/1477
15	2T	0.45	0/1097	0.85	2/1468 (0.1%)
16	1U	0.61	0/977	0.86	0/1301

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	# Z >5	RMSZ	# Z >5
16	2U	0.48	0/977	0.88	0/1301
17	1V	0.58	0/782	0.88	0/1049
17	2V	0.45	0/782	0.91	0/1049
18	1W	0.63	0/897	0.92	0/1205
18	2W	0.50	0/897	0.86	0/1205
19	1X	0.53	0/764	0.88	2/1025 (0.2%)
19	2X	0.49	0/764	0.88	0/1025
20	1Y	0.49	0/819	0.85	0/1095
20	2Y	0.41	0/819	0.91	2/1095 (0.2%)
21	1Z	0.45	0/1267	0.98	5/1717 (0.3%)
21	2Z	0.41	0/1299	0.93	1/1763 (0.1%)
22	10	0.53	0/662	0.97	1/881 (0.1%)
22	20	0.41	0/662	0.93	2/881 (0.2%)
23	11	0.50	0/762	0.85	0/1014
23	21	0.46	0/762	0.87	0/1014
24	12	0.51	0/590	0.79	0/781
24	22	0.41	0/590	0.80	0/781
25	13	0.56	0/474	0.93	2/635 (0.3%)
25	23	0.42	0/469	0.88	0/630
26	14	0.44	0/565	1.08	6/761 (0.8%)
26	24	0.50	0/545	1.06	5/737 (0.7%)
27	15	0.60	0/469	0.86	1/635 (0.2%)
27	25	0.49	0/469	0.91	0/635
28	16	0.55	0/460	0.79	2/613 (0.3%)
28	26	0.41	0/456	0.77	0/608
29	17	0.54	0/426	0.93	1/561 (0.2%)
29	27	0.57	0/426	0.92	0/561
30	18	0.53	0/525	0.90	2/691 (0.3%)
30	28	0.47	0/525	0.90	2/691 (0.3%)
31	19	0.51	0/310	0.89	0/407
31	29	0.46	0/310	0.92	0/407
32	1a	0.24	0/35795	0.44	0/55864
32	2a	0.24	1/35886 (0.0%)	0.45	2/56005 (0.0%)
33	1b	0.42	0/1881	0.96	10/2542 (0.4%)
33	2b	0.44	0/1860	0.98	5/2518 (0.2%)
34	1c	0.39	0/1572	0.88	5/2126 (0.2%)
34	2c	0.47	0/1566	0.97	9/2119 (0.4%)
35	1d	0.40	0/1685	0.87	2/2262 (0.1%)
35	2d	0.42	0/1704	0.86	4/2284 (0.2%)
36	1e	0.43	0/1145	0.92	4/1543 (0.3%)
36	2e	0.45	0/1149	1.01	4/1548 (0.3%)
37	1f	0.43	0/823	0.80	0/1115
37	2f	0.42	0/829	0.81	2/1123 (0.2%)

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	# Z >5	RMSZ	# Z >5
38	1g	0.42	0/1250	0.87	1/1679 (0.1%)
38	2g	0.38	0/1254	0.90	2/1683 (0.1%)
39	1h	0.40	0/1108	0.90	1/1494 (0.1%)
39	2h	0.39	0/1108	0.90	3/1494 (0.2%)
40	1i	0.41	0/1002	0.91	1/1346 (0.1%)
40	2i	0.42	0/997	0.91	0/1343
41	1j	0.39	0/722	0.95	4/982 (0.4%)
41	2j	0.47	0/727	1.03	5/988 (0.5%)
42	1k	0.44	0/844	0.86	2/1145 (0.2%)
42	2k	0.41	0/848	0.85	2/1149 (0.2%)
43	1l	0.43	0/937	0.86	2/1260 (0.2%)
43	2l	0.41	0/937	0.94	4/1260 (0.3%)
44	1m	0.41	0/969	0.89	1/1302 (0.1%)
44	2m	0.43	0/961	0.91	4/1291 (0.3%)
45	1n	0.39	0/501	0.81	0/664
45	2n	0.39	0/501	0.84	0/664
46	1o	0.41	0/739	0.83	1/985 (0.1%)
46	2o	0.38	0/739	0.82	0/985
47	1p	0.40	0/697	0.83	1/939 (0.1%)
47	2p	0.41	0/693	0.77	0/935
48	1q	0.40	0/836	0.84	0/1117
48	2q	0.37	0/836	0.80	0/1117
49	1r	0.43	0/560	0.80	0/746
49	2r	0.36	0/560	0.79	0/746
50	1s	0.38	0/667	0.94	1/900 (0.1%)
50	2s	0.54	0/661	1.10	3/893 (0.3%)
51	1t	0.37	0/730	0.85	0/965
51	2t	0.43	0/729	0.84	1/965 (0.1%)
52	1u	0.32	0/203	0.79	0/266
52	2u	0.38	0/203	0.80	0/266
53	1v	0.24	0/310	0.38	0/480
53	2v	0.32	0/310	0.43	0/480
54	1w	0.30	1/1606 (0.1%)	0.44	0/2497
54	1y	0.29	1/1606 (0.1%)	0.44	0/2497
54	2w	0.31	0/1556	0.43	0/2418
54	2y	0.30	0/1583	0.48	0/2459
55	1x	0.30	0/1725	0.45	0/2689
55	2x	0.27	1/1725 (0.1%)	0.42	0/2689
All	All	0.35	4/316686 (0.0%)	0.62	180/474113 (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
43	2l	0	1

All (4) bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
54	1y	8	4SU	O3'-P	5.24	1.61	1.56
54	1w	8	4SU	O3'-P	5.23	1.61	1.56
32	2a	1498	UR3	O3'-P	5.16	1.61	1.56
55	2x	8	4SU	O3'-P	5.15	1.61	1.56

The worst 5 of 180 bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
21	1Z	158	PRO	CA-C-N	10.29	132.70	119.84
21	1Z	158	PRO	C-N-CA	10.29	132.70	119.84
9	2N	125	GLY	CA-C-N	8.71	128.44	119.56
9	2N	125	GLY	C-N-CA	8.71	128.44	119.56
33	1b	123	ALA	N-CA-C	-8.18	103.29	113.18

There are no chirality outliers.

All (1) planarity outliers are listed below:

Mol	Chain	Res	Type	Group
43	2l	92	0TD	Mainchain

5.2 Too-close contacts [i](#)

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

Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
1	1A	61852	0	31193	632	0
1	2A	60322	0	30425	882	0
2	1B	2577	0	1305	22	0
2	2B	2575	0	1303	65	0
3	1D	2136	0	2218	47	0
3	2D	2136	0	2218	62	0
4	1E	1559	0	1618	34	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
4	2E	1559	0	1618	38	0
5	1F	1584	0	1625	36	0
5	2F	1580	0	1619	55	0
6	1G	1423	0	1436	22	0
6	2G	1428	0	1438	73	0
7	1H	1330	0	1407	28	0
7	2H	1330	0	1407	46	0
8	1I	1097	0	1140	33	0
8	2I	1064	0	1082	25	0
9	1N	1117	0	1184	21	0
9	2N	1117	0	1184	22	0
10	1O	933	0	996	20	0
10	2O	933	0	996	25	0
11	1P	1135	0	1212	36	0
11	2P	1135	0	1212	34	0
12	1Q	1122	0	1179	15	0
12	2Q	1122	0	1179	35	0
13	1R	968	0	1033	12	0
13	2R	968	0	1033	21	0
14	1S	873	0	927	19	0
14	2S	870	0	923	31	0
15	1T	1091	0	1151	19	0
15	2T	1083	0	1136	36	0
16	1U	959	0	1019	18	0
16	2U	959	0	1019	26	0
17	1V	771	0	830	10	0
17	2V	771	0	830	23	0
18	1W	886	0	940	8	0
18	2W	886	0	940	14	0
19	1X	750	0	814	10	0
19	2X	750	0	814	28	0
20	1Y	806	0	881	21	0
20	2Y	806	0	881	25	0
21	1Z	1240	0	1240	25	0
21	2Z	1271	0	1273	48	0
22	10	653	0	674	14	0
22	20	653	0	674	20	0
23	11	755	0	826	11	0
23	21	755	0	826	21	0
24	12	588	0	643	11	0
24	22	588	0	643	17	0
25	13	469	0	518	6	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
25	23	464	0	514	12	0
26	14	552	0	533	21	0
26	24	532	0	503	39	0
27	15	455	0	465	7	0
27	25	455	0	465	12	0
28	16	453	0	473	13	0
28	26	449	0	469	10	0
29	17	418	0	467	9	0
29	27	418	0	467	17	0
30	18	517	0	582	18	0
30	28	517	0	582	19	0
31	19	307	0	335	4	0
31	29	307	0	335	8	0
32	1a	32246	0	16295	441	0
32	2a	32327	0	16339	638	0
33	1b	1846	0	1867	60	0
33	2b	1825	0	1828	107	0
34	1c	1548	0	1535	35	0
34	2c	1542	0	1517	56	0
35	1d	1655	0	1672	51	0
35	2d	1674	0	1714	43	0
36	1e	1129	0	1185	30	0
36	2e	1133	0	1191	39	0
37	1f	810	0	804	25	0
37	2f	816	0	808	17	0
38	1g	1231	0	1238	29	0
38	2g	1235	0	1249	27	0
39	1h	1088	0	1126	27	0
39	2h	1088	0	1126	27	0
40	1i	983	0	986	28	0
40	2i	978	0	966	54	0
41	1j	709	0	650	32	0
41	2j	714	0	672	37	0
42	1k	829	0	825	9	0
42	2k	833	0	836	19	0
43	1l	932	0	981	19	0
43	2l	932	0	981	28	0
44	1m	958	0	1002	25	0
44	2m	950	0	988	49	0
45	1n	492	0	529	19	0
45	2n	492	0	529	37	0
46	1o	728	0	760	16	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
46	2o	728	0	760	18	0
47	1p	681	0	697	20	0
47	2p	677	0	686	19	0
48	1q	823	0	891	26	0
48	2q	823	0	891	17	0
49	1r	555	0	618	12	0
49	2r	555	0	618	15	0
50	1s	652	0	662	24	0
50	2s	646	0	644	27	0
51	1t	728	0	798	15	0
51	2t	727	0	796	18	0
52	1u	199	0	208	8	0
52	2u	199	0	208	12	0
53	1v	277	0	140	3	0
53	2v	277	0	140	3	0
54	1w	1592	0	819	35	0
54	1y	1585	0	804	40	0
54	2w	1544	0	788	47	0
54	2y	1565	0	795	53	0
55	1x	1625	0	828	15	0
55	2x	1625	0	828	24	0
56	10	6	0	0	0	0
56	11	3	0	0	0	0
56	12	1	0	0	0	0
56	13	3	0	0	0	0
56	15	2	0	0	0	0
56	16	3	0	0	0	0
56	17	1	0	0	0	0
56	18	3	0	0	0	0
56	19	2	0	0	0	0
56	1A	1141	0	0	0	0
56	1B	37	0	0	0	0
56	1D	12	0	0	0	0
56	1E	11	0	0	0	0
56	1F	8	0	0	0	0
56	1G	5	0	0	0	0
56	1I	1	0	0	0	0
56	1N	6	0	0	0	0
56	1O	7	0	0	0	0
56	1P	4	0	0	0	0
56	1Q	6	0	0	0	0
56	1R	3	0	0	0	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
56	1S	3	0	0	0	0
56	1T	2	0	0	0	0
56	1U	8	0	0	0	0
56	1V	3	0	0	0	0
56	1W	5	0	0	0	0
56	1X	6	0	0	0	0
56	1Y	3	0	0	0	0
56	1Z	3	0	0	0	0
56	1a	229	0	0	0	0
56	1b	2	0	0	0	0
56	1d	1	0	0	0	0
56	1e	1	0	0	0	0
56	1f	2	0	0	0	0
56	1l	3	0	0	0	0
56	1n	2	0	0	0	0
56	1s	1	0	0	0	0
56	1t	1	0	0	0	0
56	1v	1	0	0	0	0
56	1w	11	0	0	0	0
56	1x	16	0	0	0	0
56	1y	4	0	0	0	0
56	20	3	0	0	0	0
56	23	2	0	0	0	0
56	25	4	0	0	0	0
56	27	1	0	0	0	0
56	28	2	0	0	0	0
56	2A	909	0	0	0	0
56	2B	21	0	0	0	0
56	2D	5	0	0	0	0
56	2E	9	0	0	0	0
56	2F	4	0	0	0	0
56	2G	1	0	0	0	0
56	2N	1	0	0	0	0
56	2O	1	0	0	0	0
56	2P	1	0	0	0	0
56	2Q	3	0	0	0	0
56	2R	1	0	0	0	0
56	2T	3	0	0	0	0
56	2U	4	0	0	0	0
56	2V	1	0	0	0	0
56	2W	3	0	0	0	0
56	2X	3	0	0	0	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
56	2Y	1	0	0	0	0
56	2Z	1	0	0	0	0
56	2a	244	0	0	0	0
56	2d	1	0	0	0	0
56	2e	1	0	0	0	0
56	2f	1	0	0	0	0
56	2g	1	0	0	0	0
56	2i	1	0	0	0	0
56	2j	2	0	0	0	0
56	2l	2	0	0	0	0
56	2n	1	0	0	0	0
56	2q	2	0	0	0	0
56	2r	2	0	0	0	0
56	2t	1	0	0	0	0
56	2v	2	0	0	0	0
56	2w	8	0	0	0	0
56	2x	5	0	0	0	0
56	2y	7	0	0	0	0
57	1A	1	0	0	0	0
57	2A	1	0	0	0	0
58	14	1	0	0	0	0
58	15	1	0	0	0	0
58	16	1	0	0	0	0
58	19	1	0	0	0	0
58	1Y	1	0	0	0	0
58	1n	1	0	0	0	0
58	24	1	0	0	0	0
58	25	1	0	0	0	0
58	26	1	0	0	0	0
58	29	1	0	0	0	0
58	2Y	1	0	0	0	0
58	2n	1	0	0	0	0
59	1d	8	0	0	0	0
59	2d	8	0	0	1	0
60	10	12	0	0	0	0
60	11	10	0	0	0	0
60	12	4	0	0	0	0
60	13	6	0	0	0	0
60	14	1	0	0	0	0
60	15	6	0	0	0	0
60	16	3	0	0	0	0
60	17	9	0	0	0	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
60	18	13	0	0	1	0
60	1A	2238	0	0	95	0
60	1B	68	0	0	3	0
60	1D	28	0	0	1	0
60	1E	28	0	0	3	0
60	1F	13	0	0	1	0
60	1G	7	0	0	1	0
60	1H	2	0	0	0	0
60	1I	3	0	0	0	0
60	1N	7	0	0	1	0
60	1O	8	0	0	0	0
60	1P	23	0	0	3	0
60	1Q	14	0	0	0	0
60	1R	14	0	0	0	0
60	1S	5	0	0	0	0
60	1T	8	0	0	1	0
60	1U	11	0	0	1	0
60	1V	9	0	0	0	0
60	1W	6	0	0	0	0
60	1X	8	0	0	2	0
60	1Y	4	0	0	0	0
60	1Z	1	0	0	0	0
60	1a	438	0	0	28	0
60	1b	1	0	0	0	0
60	1d	1	0	0	0	0
60	1e	1	0	0	0	0
60	1f	1	0	0	0	0
60	1g	1	0	0	0	0
60	1i	1	0	0	0	0
60	1l	8	0	0	0	0
60	1m	2	0	0	0	0
60	1o	1	0	0	0	0
60	1p	1	0	0	0	0
60	1q	4	0	0	0	0
60	1u	1	0	0	1	0
60	1v	5	0	0	0	0
60	1w	21	0	0	1	0
60	1x	15	0	0	0	0
60	1y	1	0	0	0	0
60	20	7	0	0	0	0
60	21	12	0	0	0	0
60	22	1	0	0	0	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
60	23	1	0	0	0	0
60	25	4	0	0	1	0
60	26	1	0	0	0	0
60	27	4	0	0	1	0
60	28	6	0	0	2	0
60	29	1	0	0	0	0
60	2A	1389	0	0	90	0
60	2B	26	0	0	1	0
60	2D	28	0	0	2	0
60	2E	16	0	0	0	0
60	2F	16	0	0	0	0
60	2H	1	0	0	0	0
60	2I	4	0	0	0	0
60	2N	1	0	0	0	0
60	2P	14	0	0	1	0
60	2Q	2	0	0	0	0
60	2R	2	0	0	0	0
60	2T	6	0	0	0	0
60	2U	2	0	0	0	0
60	2V	2	0	0	0	0
60	2W	2	0	0	0	0
60	2X	5	0	0	0	0
60	2Y	1	0	0	1	0
60	2Z	2	0	0	0	0
60	2a	377	0	0	34	0
60	2d	1	0	0	0	0
60	2e	2	0	0	0	0
60	2g	1	0	0	0	0
60	2i	1	0	0	0	0
60	2j	4	0	0	0	0
60	2l	5	0	0	1	0
60	2o	1	0	0	0	0
60	2p	2	0	0	0	0
60	2q	1	0	0	0	0
60	2r	1	0	0	1	0
60	2t	4	0	0	0	0
60	2u	1	0	0	1	0
60	2v	1	0	0	0	0
60	2w	2	0	0	0	0
60	2x	7	0	0	0	0
60	2y	19	0	0	5	0
All	All	300910	0	196690	4749	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 10.

The worst 5 of 4749 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	1.34	1.25
1:2A:2136:C:N4	1:2A:2155:G:H1	1.44	1.15
55:1x:4:G:H1	55:1x:69:C:N4	1.48	1.10
32:2a:997:U:H3	32:2a:1044:A:N6	1.49	1.10
1:1A:1128:U:O4	1:1A:1132:A:N1	1.85	1.09

There are no symmetry-related clashes.

5.3 Torsion angles [i](#)

5.3.1 Protein backbone [i](#)

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

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

Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
3	1D	273/276 (99%)	262 (96%)	11 (4%)	0	100	100
3	2D	273/276 (99%)	260 (95%)	11 (4%)	2 (1%)	19	35
4	1E	202/206 (98%)	193 (96%)	8 (4%)	1 (0%)	25	44
4	2E	202/206 (98%)	194 (96%)	7 (4%)	1 (0%)	25	44
5	1F	201/210 (96%)	198 (98%)	2 (1%)	1 (0%)	25	44
5	2F	201/210 (96%)	197 (98%)	2 (1%)	2 (1%)	13	25
6	1G	179/182 (98%)	170 (95%)	9 (5%)	0	100	100
6	2G	179/182 (98%)	168 (94%)	10 (6%)	1 (1%)	22	39
7	1H	172/180 (96%)	164 (95%)	7 (4%)	1 (1%)	22	39
7	2H	172/180 (96%)	158 (92%)	12 (7%)	2 (1%)	11	21
8	1I	144/148 (97%)	132 (92%)	12 (8%)	0	100	100
8	2I	144/148 (97%)	128 (89%)	14 (10%)	2 (1%)	9	17

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
9	1N	138/140 (99%)	134 (97%)	4 (3%)	0	100	100
9	2N	138/140 (99%)	133 (96%)	4 (3%)	1 (1%)	19	35
10	1O	120/122 (98%)	112 (93%)	8 (7%)	0	100	100
10	2O	120/122 (98%)	114 (95%)	6 (5%)	0	100	100
11	1P	147/150 (98%)	139 (95%)	8 (5%)	0	100	100
11	2P	147/150 (98%)	137 (93%)	10 (7%)	0	100	100
12	1Q	139/141 (99%)	133 (96%)	6 (4%)	0	100	100
12	2Q	139/141 (99%)	131 (94%)	7 (5%)	1 (1%)	19	35
13	1R	116/118 (98%)	111 (96%)	5 (4%)	0	100	100
13	2R	116/118 (98%)	112 (97%)	4 (3%)	0	100	100
14	1S	108/112 (96%)	106 (98%)	2 (2%)	0	100	100
14	2S	108/112 (96%)	105 (97%)	2 (2%)	1 (1%)	14	28
15	1T	129/146 (88%)	123 (95%)	6 (5%)	0	100	100
15	2T	129/146 (88%)	125 (97%)	4 (3%)	0	100	100
16	1U	114/118 (97%)	114 (100%)	0	0	100	100
16	2U	114/118 (97%)	114 (100%)	0	0	100	100
17	1V	99/101 (98%)	97 (98%)	1 (1%)	1 (1%)	13	25
17	2V	99/101 (98%)	97 (98%)	1 (1%)	1 (1%)	13	25
18	1W	110/113 (97%)	110 (100%)	0	0	100	100
18	2W	110/113 (97%)	110 (100%)	0	0	100	100
19	1X	93/96 (97%)	90 (97%)	3 (3%)	0	100	100
19	2X	93/96 (97%)	88 (95%)	4 (4%)	1 (1%)	12	23
20	1Y	105/110 (96%)	98 (93%)	5 (5%)	2 (2%)	6	12
20	2Y	105/110 (96%)	99 (94%)	4 (4%)	2 (2%)	6	12
21	1Z	148/206 (72%)	136 (92%)	11 (7%)	1 (1%)	19	35
21	2Z	156/206 (76%)	141 (90%)	15 (10%)	0	100	100
22	10	81/85 (95%)	80 (99%)	0	1 (1%)	11	21
22	20	81/85 (95%)	77 (95%)	3 (4%)	1 (1%)	11	21
23	11	95/98 (97%)	92 (97%)	3 (3%)	0	100	100
23	21	95/98 (97%)	91 (96%)	4 (4%)	0	100	100
24	12	68/72 (94%)	68 (100%)	0	0	100	100

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
24	22	68/72 (94%)	67 (98%)	1 (2%)	0	100	100
25	13	57/60 (95%)	55 (96%)	2 (4%)	0	100	100
25	23	57/60 (95%)	53 (93%)	3 (5%)	1 (2%)	7	12
26	14	67/71 (94%)	58 (87%)	4 (6%)	5 (8%)	1	1
26	24	67/71 (94%)	53 (79%)	10 (15%)	4 (6%)	1	1
27	15	57/60 (95%)	56 (98%)	1 (2%)	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%)	44 (96%)	2 (4%)	0	100	100
29	27	46/49 (94%)	44 (96%)	1 (2%)	1 (2%)	5	9
30	18	62/65 (95%)	62 (100%)	0	0	100	100
30	28	62/65 (95%)	61 (98%)	1 (2%)	0	100	100
31	19	35/37 (95%)	35 (100%)	0	0	100	100
31	29	35/37 (95%)	35 (100%)	0	0	100	100
33	1b	229/256 (90%)	200 (87%)	22 (10%)	7 (3%)	3	5
33	2b	229/256 (90%)	202 (88%)	19 (8%)	8 (4%)	3	4
34	1c	204/239 (85%)	188 (92%)	15 (7%)	1 (0%)	25	44
34	2c	204/239 (85%)	187 (92%)	15 (7%)	2 (1%)	13	25
35	1d	206/209 (99%)	196 (95%)	9 (4%)	1 (0%)	25	44
35	2d	206/209 (99%)	197 (96%)	8 (4%)	1 (0%)	25	44
36	1e	146/162 (90%)	137 (94%)	6 (4%)	3 (2%)	5	10
36	2e	146/162 (90%)	139 (95%)	5 (3%)	2 (1%)	9	17
37	1f	98/101 (97%)	96 (98%)	2 (2%)	0	100	100
37	2f	98/101 (97%)	96 (98%)	2 (2%)	0	100	100
38	1g	153/156 (98%)	144 (94%)	6 (4%)	3 (2%)	6	11
38	2g	153/156 (98%)	143 (94%)	7 (5%)	3 (2%)	6	11
39	1h	135/138 (98%)	133 (98%)	2 (2%)	0	100	100
39	2h	135/138 (98%)	131 (97%)	4 (3%)	0	100	100
40	1i	125/128 (98%)	115 (92%)	9 (7%)	1 (1%)	16	31
40	2i	125/128 (98%)	114 (91%)	10 (8%)	1 (1%)	16	31

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
41	1j	95/105 (90%)	86 (90%)	4 (4%)	5 (5%)	1	1
41	2j	94/105 (90%)	85 (90%)	5 (5%)	4 (4%)	2	3
42	1k	112/129 (87%)	106 (95%)	4 (4%)	2 (2%)	7	12
42	2k	112/129 (87%)	107 (96%)	3 (3%)	2 (2%)	7	12
43	1l	119/132 (90%)	115 (97%)	4 (3%)	0	100	100
43	2l	119/132 (90%)	112 (94%)	7 (6%)	0	100	100
44	1m	121/126 (96%)	114 (94%)	7 (6%)	0	100	100
44	2m	120/126 (95%)	110 (92%)	9 (8%)	1 (1%)	16	31
45	1n	58/61 (95%)	56 (97%)	2 (3%)	0	100	100
45	2n	58/61 (95%)	55 (95%)	3 (5%)	0	100	100
46	1o	86/89 (97%)	82 (95%)	4 (5%)	0	100	100
46	2o	86/89 (97%)	81 (94%)	4 (5%)	1 (1%)	11	21
47	1p	80/88 (91%)	76 (95%)	3 (4%)	1 (1%)	10	19
47	2p	80/88 (91%)	76 (95%)	3 (4%)	1 (1%)	10	19
48	1q	97/105 (92%)	93 (96%)	3 (3%)	1 (1%)	13	25
48	2q	97/105 (92%)	94 (97%)	2 (2%)	1 (1%)	13	25
49	1r	66/88 (75%)	65 (98%)	1 (2%)	0	100	100
49	2r	66/88 (75%)	65 (98%)	1 (2%)	0	100	100
50	1s	81/93 (87%)	75 (93%)	5 (6%)	1 (1%)	11	21
50	2s	81/93 (87%)	74 (91%)	5 (6%)	2 (2%)	4	7
51	1t	94/106 (89%)	87 (93%)	0	7 (7%)	1	1
51	2t	94/106 (89%)	86 (92%)	4 (4%)	4 (4%)	2	3
52	1u	21/27 (78%)	21 (100%)	0	0	100	100
52	2u	21/27 (78%)	21 (100%)	0	0	100	100
All	All	11370/12128 (94%)	10779 (95%)	488 (4%)	103 (1%)	14	28

5 of 103 Ramachandran outliers are listed below:

Mol	Chain	Res	Type
5	1F	130	ALA
7	1H	126	PRO
21	1Z	159	PRO
26	14	62	ARG
33	1b	10	LEU

5.3.2 Protein sidechains ⓘ

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

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

Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
3	1D	215/218 (99%)	207 (96%)	8 (4%)	29	55
3	2D	215/218 (99%)	206 (96%)	9 (4%)	25	49
4	1E	164/166 (99%)	152 (93%)	12 (7%)	11	24
4	2E	164/166 (99%)	152 (93%)	12 (7%)	11	24
5	1F	160/166 (96%)	147 (92%)	13 (8%)	9	20
5	2F	159/166 (96%)	149 (94%)	10 (6%)	15	30
6	1G	143/156 (92%)	137 (96%)	6 (4%)	25	49
6	2G	143/156 (92%)	134 (94%)	9 (6%)	15	30
7	1H	144/148 (97%)	139 (96%)	5 (4%)	31	57
7	2H	144/148 (97%)	141 (98%)	3 (2%)	48	74
8	1I	113/124 (91%)	104 (92%)	9 (8%)	10	20
8	2I	105/124 (85%)	99 (94%)	6 (6%)	17	35
9	1N	118/119 (99%)	109 (92%)	9 (8%)	11	22
9	2N	118/119 (99%)	107 (91%)	11 (9%)	7	15
10	1O	100/100 (100%)	97 (97%)	3 (3%)	36	63
10	2O	100/100 (100%)	98 (98%)	2 (2%)	50	75
11	1P	115/116 (99%)	109 (95%)	6 (5%)	19	39
11	2P	115/116 (99%)	110 (96%)	5 (4%)	25	48
12	1Q	111/111 (100%)	108 (97%)	3 (3%)	40	67
12	2Q	111/111 (100%)	105 (95%)	6 (5%)	18	37
13	1R	101/101 (100%)	91 (90%)	10 (10%)	6	13
13	2R	101/101 (100%)	94 (93%)	7 (7%)	13	26
14	1S	86/88 (98%)	82 (95%)	4 (5%)	22	44
14	2S	85/88 (97%)	81 (95%)	4 (5%)	22	44
15	1T	115/127 (91%)	113 (98%)	2 (2%)	56	79
15	2T	113/127 (89%)	112 (99%)	1 (1%)	75	90

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
16	1U	93/94 (99%)	90 (97%)	3 (3%)	34	60
16	2U	93/94 (99%)	92 (99%)	1 (1%)	70	87
17	1V	80/82 (98%)	74 (92%)	6 (8%)	11	23
17	2V	80/82 (98%)	73 (91%)	7 (9%)	8	17
18	1W	90/92 (98%)	84 (93%)	6 (7%)	13	28
18	2W	90/92 (98%)	83 (92%)	7 (8%)	10	21
19	1X	77/78 (99%)	75 (97%)	2 (3%)	41	68
19	2X	77/78 (99%)	75 (97%)	2 (3%)	41	68
20	1Y	85/91 (93%)	80 (94%)	5 (6%)	16	33
20	2Y	85/91 (93%)	82 (96%)	3 (4%)	31	57
21	1Z	135/179 (75%)	128 (95%)	7 (5%)	19	39
21	2Z	137/179 (76%)	129 (94%)	8 (6%)	17	34
22	10	65/67 (97%)	64 (98%)	1 (2%)	60	82
22	20	65/67 (97%)	65 (100%)	0	100	100
23	11	80/83 (96%)	77 (96%)	3 (4%)	28	53
23	21	80/83 (96%)	78 (98%)	2 (2%)	42	69
24	12	65/67 (97%)	64 (98%)	1 (2%)	60	82
24	22	65/67 (97%)	65 (100%)	0	100	100
25	13	51/52 (98%)	48 (94%)	3 (6%)	16	33
25	23	50/52 (96%)	48 (96%)	2 (4%)	27	51
26	14	59/63 (94%)	56 (95%)	3 (5%)	20	40
26	24	53/63 (84%)	47 (89%)	6 (11%)	4	9
27	15	50/52 (96%)	47 (94%)	3 (6%)	16	33
27	25	50/52 (96%)	47 (94%)	3 (6%)	16	33
28	16	51/52 (98%)	48 (94%)	3 (6%)	16	33
28	26	50/52 (96%)	49 (98%)	1 (2%)	50	75
29	17	41/42 (98%)	40 (98%)	1 (2%)	44	70
29	27	41/42 (98%)	39 (95%)	2 (5%)	21	42
30	18	54/55 (98%)	52 (96%)	2 (4%)	29	55
30	28	54/55 (98%)	51 (94%)	3 (6%)	17	36
31	19	34/34 (100%)	34 (100%)	0	100	100

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
31	29	34/34 (100%)	33 (97%)	1 (3%)	37	64
33	1b	192/220 (87%)	190 (99%)	2 (1%)	73	88
33	2b	187/220 (85%)	182 (97%)	5 (3%)	40	67
34	1c	142/188 (76%)	138 (97%)	4 (3%)	38	65
34	2c	140/188 (74%)	135 (96%)	5 (4%)	30	56
35	1d	169/181 (93%)	160 (95%)	9 (5%)	19	38
35	2d	173/181 (96%)	167 (96%)	6 (4%)	31	57
36	1e	113/123 (92%)	109 (96%)	4 (4%)	31	57
36	2e	114/123 (93%)	109 (96%)	5 (4%)	24	47
37	1f	84/90 (93%)	83 (99%)	1 (1%)	67	86
37	2f	85/90 (94%)	82 (96%)	3 (4%)	31	57
38	1g	119/127 (94%)	117 (98%)	2 (2%)	56	79
38	2g	120/127 (94%)	115 (96%)	5 (4%)	25	49
39	1h	114/119 (96%)	111 (97%)	3 (3%)	41	68
39	2h	114/119 (96%)	111 (97%)	3 (3%)	41	68
40	1i	90/99 (91%)	86 (96%)	4 (4%)	24	47
40	2i	89/99 (90%)	82 (92%)	7 (8%)	10	21
41	1j	66/92 (72%)	66 (100%)	0	100	100
41	2j	69/92 (75%)	66 (96%)	3 (4%)	25	48
42	1k	82/99 (83%)	79 (96%)	3 (4%)	29	55
42	2k	83/99 (84%)	82 (99%)	1 (1%)	67	86
43	1l	96/108 (89%)	92 (96%)	4 (4%)	25	49
43	2l	96/108 (89%)	94 (98%)	2 (2%)	48	74
44	1m	93/101 (92%)	91 (98%)	2 (2%)	47	73
44	2m	92/101 (91%)	91 (99%)	1 (1%)	70	87
45	1n	49/50 (98%)	43 (88%)	6 (12%)	4	8
45	2n	49/50 (98%)	46 (94%)	3 (6%)	15	32
46	1o	78/80 (98%)	75 (96%)	3 (4%)	28	53
46	2o	78/80 (98%)	76 (97%)	2 (3%)	41	68
47	1p	69/74 (93%)	64 (93%)	5 (7%)	12	24
47	2p	68/74 (92%)	63 (93%)	5 (7%)	11	23

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
48	1q	94/97 (97%)	93 (99%)	1 (1%)	70	87
48	2q	94/97 (97%)	92 (98%)	2 (2%)	48	74
49	1r	59/77 (77%)	57 (97%)	2 (3%)	32	58
49	2r	59/77 (77%)	56 (95%)	3 (5%)	20	40
50	1s	69/80 (86%)	67 (97%)	2 (3%)	37	64
50	2s	67/80 (84%)	64 (96%)	3 (4%)	23	46
51	1t	70/82 (85%)	69 (99%)	1 (1%)	62	83
51	2t	70/82 (85%)	70 (100%)	0	100	100
52	1u	18/22 (82%)	18 (100%)	0	100	100
52	2u	18/22 (82%)	18 (100%)	0	100	100
All	All	9303/10064 (92%)	8909 (96%)	394 (4%)	25	49

5 of 394 residues with a non-rotameric sidechain are listed below:

Mol	Chain	Res	Type
6	2G	60	LEU
17	2V	61	VAL
7	2H	84	SER
11	2P	95	VAL
20	2Y	72	VAL

Sometimes sidechains can be flipped to improve hydrogen bonding and reduce clashes. 5 of 120 such sidechains are listed below:

Mol	Chain	Res	Type
50	1s	23	ASN
40	2i	124	GLN
12	2Q	57	HIS
40	2i	58	HIS
50	2s	69	HIS

5.3.3 RNA ⓘ

Mol	Chain	Analysed	Backbone Outliers	Pucker Outliers
1	1A	2864/2915 (98%)	419 (14%)	43 (1%)
1	2A	2791/2915 (95%)	510 (18%)	28 (1%)
2	1B	120/121 (99%)	11 (9%)	1 (0%)

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Mol	Chain	Analysed	Backbone Outliers	Pucker Outliers
2	2B	118/121 (97%)	35 (29%)	0
32	1a	1497/1521 (98%)	244 (16%)	0
32	2a	1501/1521 (98%)	255 (16%)	0
53	1v	12/24 (50%)	4 (33%)	0
53	2v	12/24 (50%)	3 (25%)	0
54	1w	72/76 (94%)	22 (30%)	0
54	1y	72/76 (94%)	23 (31%)	0
54	2w	69/76 (90%)	27 (39%)	0
54	2y	70/76 (92%)	24 (34%)	0
55	1x	75/77 (97%)	8 (10%)	0
55	2x	75/77 (97%)	16 (21%)	0
All	All	9348/9620 (97%)	1601 (17%)	72 (0%)

5 of 1601 RNA backbone outliers are listed below:

Mol	Chain	Res	Type
1	1A	12	U
1	1A	13	A
1	1A	34	C
1	1A	45	C
1	1A	60	G

5 of 72 RNA pucker outliers are listed below:

Mol	Chain	Res	Type
1	2A	883	G
1	2A	2689	U
1	2A	1210	A
1	2A	1913	A
1	1A	1321	A

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

84 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
55	5MC	1x	32	55	19,22,23	1.67	3 (15%)	26,32,35	1.23	3 (11%)
32	MA6	2a	1519	32	19,26,27	1.12	2 (10%)	18,38,41	2.25	5 (27%)
55	5MU	1x	54	56,55	19,22,23	1.45	6 (31%)	27,32,35	1.89	6 (22%)
55	PSU	1x	55	56,55	18,21,22	1.35	2 (11%)	21,30,33	2.01	4 (19%)
54	MIA	1y	37	54	17,24,32	0.98	1 (5%)	16,35,47	1.37	2 (12%)
1	5MU	2A	1915	1	19,22,23	1.46	5 (26%)	27,32,35	2.23	6 (22%)
1	PSU	2A	1917	1	18,21,22	1.36	2 (11%)	21,30,33	1.96	3 (14%)
54	4SU	1y	8	54	18,21,22	1.72	4 (22%)	25,30,33	1.88	6 (24%)
54	MIA	2w	37	54	19,27,32	1.80	3 (15%)	18,39,47	1.38	4 (22%)
1	OMG	1A	2263	56,1,55	19,26,27	0.96	1 (5%)	21,38,41	1.05	2 (9%)
32	2MG	2a	1207	32	18,26,27	0.91	1 (5%)	16,38,41	1.37	2 (12%)
1	PSU	2A	1911	1	18,21,22	1.42	2 (11%)	21,30,33	1.84	4 (19%)
54	PSU	2w	39	54	18,21,22	1.35	2 (11%)	21,30,33	1.81	4 (19%)
55	4SU	1x	8	55	18,21,22	2.11	5 (27%)	25,30,33	1.64	6 (24%)
1	2MU	2A	2552	56,1	19,22,24	1.31	2 (10%)	25,31,36	1.80	5 (20%)
32	7MG	2a	527	32,56	23,26,27	1.34	4 (17%)	27,39,42	2.59	6 (22%)
32	PSU	1a	516	32	18,21,22	1.42	3 (16%)	21,30,33	1.88	5 (23%)
54	5MU	2w	54	54	19,22,23	1.39	4 (21%)	27,32,35	1.89	6 (22%)
32	4OC	2a	1402	32,56	20,23,24	0.81	0	25,32,35	1.07	1 (4%)
55	5MU	2x	54	55	19,22,23	1.39	5 (26%)	27,32,35	2.22	6 (22%)
32	5MC	2a	1407	32	19,22,23	1.52	3 (15%)	26,32,35	1.21	4 (15%)
54	PSU	2y	55	54	18,21,22	1.33	3 (16%)	21,30,33	1.91	5 (23%)
1	5MU	1A	1937	1	19,22,23	1.35	5 (26%)	27,32,35	2.18	7 (25%)
54	4SU	2y	8	54	18,21,22	1.87	4 (22%)	25,30,33	2.25	5 (20%)
55	PSU	2x	55	55	18,21,22	1.39	2 (11%)	21,30,33	1.97	4 (19%)
32	5MC	1a	1404	32	19,22,23	1.62	3 (15%)	26,32,35	1.19	3 (11%)
43	0TD	2l	92	43	8,9,10	5.75	3 (37%)	6,11,13	2.22	1 (16%)
54	PSU	2y	39	54	18,21,22	1.36	2 (11%)	21,30,33	1.93	3 (14%)
32	MA6	1a	1519	32	19,26,27	1.14	2 (10%)	18,38,41	1.97	5 (27%)
1	5MU	1A	1961	56,1	19,22,23	1.32	4 (21%)	27,32,35	2.59	6 (22%)
54	PSU	1w	32	56,54	18,21,22	1.35	2 (11%)	21,30,33	2.01	3 (14%)
1	5MU	2A	1939	56,1	19,22,23	1.46	6 (31%)	27,32,35	2.51	6 (22%)
32	5MC	2a	967	32	19,22,23	1.92	2 (10%)	26,32,35	1.16	4 (15%)
32	UR3	1a	1498	32	19,22,23	1.10	1 (5%)	26,32,35	1.83	5 (19%)
1	2MA	1A	2515	56,1	18,25,26	0.81	0	20,37,40	1.92	3 (15%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
32	M2G	2a	966	32	20,27,28	1.32	3 (15%)	19,40,43	1.07	1 (5%)
32	5MC	2a	1400	32	19,22,23	1.68	3 (15%)	26,32,35	1.20	3 (11%)
1	5MC	1A	1964	56,1	19,22,23	1.51	3 (15%)	26,32,35	1.23	2 (7%)
1	PSU	1A	1939	1	18,21,22	1.42	4 (22%)	21,30,33	2.12	4 (19%)
54	PSU	1y	39	54	18,21,22	1.42	2 (11%)	21,30,33	1.84	4 (19%)
1	PSU	1A	1933	1	18,21,22	1.33	2 (11%)	21,30,33	2.07	4 (19%)
32	2MG	1a	1207	32	18,26,27	0.96	1 (5%)	16,38,41	1.11	1 (6%)
54	PSU	1y	32	54	18,21,22	1.41	3 (16%)	21,30,33	1.89	3 (14%)
54	PSU	1w	55	54	18,21,22	1.37	2 (11%)	21,30,33	1.98	3 (14%)
54	PSU	2w	32	54	18,21,22	1.38	2 (11%)	21,30,33	1.99	4 (19%)
43	0TD	1l	92	43	8,9,10	5.73	6 (75%)	6,11,13	4.21	3 (50%)
1	OMG	2A	2251	56,1,55	19,26,27	0.90	1 (5%)	21,38,41	1.19	3 (14%)
54	5MU	2y	54	54	19,22,23	1.51	4 (21%)	27,32,35	2.12	9 (33%)
54	MIA	2y	37	54	17,24,32	0.96	1 (5%)	16,35,47	1.35	2 (12%)
54	7MG	2w	46	54	23,26,27	1.40	3 (13%)	27,39,42	2.47	6 (22%)
32	PSU	2a	516	32	18,21,22	1.34	2 (11%)	21,30,33	1.90	4 (19%)
1	2MU	1A	2564	56,1	19,22,24	1.20	2 (10%)	25,31,36	2.02	6 (24%)
32	5MC	1a	1400	32	19,22,23	1.60	3 (15%)	26,32,35	1.15	2 (7%)
54	PSU	2w	55	56,54	18,21,22	1.38	2 (11%)	21,30,33	1.94	3 (14%)
32	M2G	1a	966	32	20,27,28	1.44	3 (15%)	19,40,43	1.00	1 (5%)
1	4OC	2A	1920	1	19,22,24	0.76	0	25,31,35	0.85	0
32	5MC	1a	967	32	19,22,23	1.67	3 (15%)	26,32,35	1.15	3 (11%)
55	4SU	2x	8	55	18,21,22	2.04	6 (33%)	25,30,33	1.43	5 (20%)
54	7MG	1y	46	54	23,26,27	1.35	4 (17%)	27,39,42	2.61	6 (22%)
32	UR3	2a	1498	32	19,22,23	1.07	2 (10%)	26,32,35	1.81	4 (15%)
54	5MU	1w	54	54	19,22,23	1.47	5 (26%)	27,32,35	2.07	6 (22%)
1	5MC	2A	1942	1	19,22,23	1.50	2 (10%)	26,32,35	1.12	2 (7%)
54	PSU	2y	32	54	18,21,22	1.36	2 (11%)	21,30,33	1.93	4 (19%)
1	PSU	1A	2617	56,1	18,21,22	1.51	4 (22%)	21,30,33	2.12	4 (19%)
32	MA6	2a	1518	32	19,26,27	1.06	2 (10%)	18,38,41	2.30	7 (38%)
1	PSU	2A	2605	1	18,21,22	1.25	2 (11%)	21,30,33	2.18	6 (28%)
54	PSU	1y	55	54	18,21,22	1.33	2 (11%)	21,30,33	2.13	4 (19%)
1	4OC	1A	1942	1	19,22,24	0.78	0	25,31,35	0.97	1 (4%)
32	4OC	1a	1402	32	20,23,24	0.79	0	25,32,35	1.03	2 (8%)
32	5MC	1a	1407	32	19,22,23	1.66	3 (15%)	26,32,35	1.24	4 (15%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
55	5MC	2x	32	55	19,22,23	1.56	3 (15%)	26,32,35	1.19	3 (11%)
32	7MG	1a	527	32,56	23,26,27	1.46	4 (17%)	27,39,42	2.46	7 (25%)
54	7MG	2y	46	54	23,26,27	1.45	4 (17%)	27,39,42	2.79	6 (22%)
54	4SU	1w	8	54	18,21,22	1.82	5 (27%)	25,30,33	1.99	5 (20%)
32	MA6	1a	1518	32	19,26,27	1.06	1 (5%)	18,38,41	2.36	7 (38%)
54	PSU	1w	39	54	18,21,22	1.37	2 (11%)	21,30,33	1.96	3 (14%)
32	5MC	2a	1404	32	19,22,23	1.70	3 (15%)	26,32,35	1.19	3 (11%)
1	5MC	1A	1984	56,1	19,22,23	1.57	3 (15%)	26,32,35	1.23	5 (19%)
1	2MA	2A	2503	56,1	18,25,26	0.78	0	20,37,40	1.75	2 (10%)
54	MIA	1w	37	54	24,31,32	2.20	3 (12%)	22,44,47	2.48	6 (27%)
54	7MG	1w	46	54	23,26,27	1.48	4 (17%)	27,39,42	2.54	7 (25%)
54	5MU	1y	54	54	19,22,23	1.55	6 (31%)	27,32,35	1.99	6 (22%)
1	5MC	2A	1962	56,1	19,22,23	1.52	3 (15%)	26,32,35	1.29	3 (11%)
54	4SU	2w	8	54	18,21,22	1.81	4 (22%)	25,30,33	2.48	5 (20%)

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
55	5MC	1x	32	55	-	0/7/25/26	0/2/2/2
32	MA6	2a	1519	32	-	2/7/29/30	0/3/3/3
55	5MU	1x	54	56,55	-	0/7/25/26	0/2/2/2
55	PSU	1x	55	56,55	-	0/7/25/26	0/2/2/2
54	MIA	1y	37	54	-	0/3/25/34	0/3/3/3
1	5MU	2A	1915	1	-	0/7/25/26	0/2/2/2
1	PSU	2A	1917	1	-	0/7/25/26	0/2/2/2
54	4SU	1y	8	54	-	3/7/25/26	0/2/2/2
54	MIA	2w	37	54	-	2/7/29/34	0/3/3/3
1	OMG	1A	2263	56,1,55	-	0/5/27/28	0/3/3/3
32	2MG	2a	1207	32	-	0/5/27/28	0/3/3/3
1	PSU	2A	1911	1	-	0/7/25/26	0/2/2/2
54	PSU	2w	39	54	-	0/7/25/26	0/2/2/2
55	4SU	1x	8	55	-	0/7/25/26	0/2/2/2
1	2MU	2A	2552	56,1	-	0/9/27/28	0/2/2/2
32	7MG	2a	527	32,56	-	3/7/37/38	0/3/3/3
32	PSU	1a	516	32	-	0/7/25/26	0/2/2/2

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
54	5MU	2w	54	54	-	0/7/25/26	0/2/2/2
32	4OC	2a	1402	32,56	-	2/9/29/30	0/2/2/2
55	5MU	2x	54	55	-	0/7/25/26	0/2/2/2
32	5MC	2a	1407	32	-	0/7/25/26	0/2/2/2
54	PSU	2y	55	54	-	2/7/25/26	0/2/2/2
1	5MU	1A	1937	1	-	0/7/25/26	0/2/2/2
54	4SU	2y	8	54	-	0/7/25/26	0/2/2/2
55	PSU	2x	55	55	-	0/7/25/26	0/2/2/2
32	5MC	1a	1404	32	-	0/7/25/26	0/2/2/2
43	0TD	2l	92	43	-	1/7/12/14	-
54	PSU	2y	39	54	-	0/7/25/26	0/2/2/2
32	MA6	1a	1519	32	-	3/7/29/30	0/3/3/3
1	5MU	1A	1961	56,1	-	0/7/25/26	0/2/2/2
54	PSU	1w	32	56,54	-	0/7/25/26	0/2/2/2
1	5MU	2A	1939	56,1	-	0/7/25/26	0/2/2/2
32	5MC	2a	967	32	-	0/7/25/26	0/2/2/2
32	UR3	1a	1498	32	-	0/7/25/26	0/2/2/2
1	2MA	1A	2515	56,1	-	1/3/25/26	0/3/3/3
32	M2G	2a	966	32	-	0/7/29/30	0/3/3/3
32	5MC	2a	1400	32	-	0/7/25/26	0/2/2/2
1	5MC	1A	1964	56,1	-	0/7/25/26	0/2/2/2
1	PSU	1A	1939	1	-	0/7/25/26	0/2/2/2
54	PSU	1y	39	54	-	0/7/25/26	0/2/2/2
1	PSU	1A	1933	1	-	0/7/25/26	0/2/2/2
32	2MG	1a	1207	32	-	0/5/27/28	0/3/3/3
54	PSU	1y	32	54	-	0/7/25/26	0/2/2/2
54	PSU	1w	55	54	-	0/7/25/26	0/2/2/2
54	PSU	2w	32	54	-	0/7/25/26	0/2/2/2
43	0TD	1l	92	43	-	3/7/12/14	-
1	OMG	2A	2251	56,1,55	-	0/5/27/28	0/3/3/3
54	5MU	2y	54	54	-	2/7/25/26	0/2/2/2
54	MIA	2y	37	54	-	3/3/25/34	0/3/3/3
54	7MG	2w	46	54	-	4/7/37/38	0/3/3/3
32	PSU	2a	516	32	-	0/7/25/26	0/2/2/2
1	2MU	1A	2564	56,1	-	0/9/27/28	0/2/2/2
32	5MC	1a	1400	32	-	2/7/25/26	0/2/2/2
54	PSU	2w	55	56,54	-	0/7/25/26	0/2/2/2
32	M2G	1a	966	32	-	0/7/29/30	0/3/3/3
1	4OC	2A	1920	1	-	0/9/27/30	0/2/2/2
32	5MC	1a	967	32	-	0/7/25/26	0/2/2/2

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
55	4SU	2x	8	55	-	1/7/25/26	0/2/2/2
54	7MG	1y	46	54	-	2/7/37/38	0/3/3/3
32	UR3	2a	1498	32	-	0/7/25/26	0/2/2/2
54	5MU	1w	54	54	-	0/7/25/26	0/2/2/2
1	5MC	2A	1942	1	-	0/7/25/26	0/2/2/2
54	PSU	2y	32	54	-	1/7/25/26	0/2/2/2
1	PSU	1A	2617	56,1	-	0/7/25/26	0/2/2/2
32	MA6	2a	1518	32	-	0/7/29/30	0/3/3/3
1	PSU	2A	2605	1	-	0/7/25/26	0/2/2/2
54	PSU	1y	55	54	-	1/7/25/26	0/2/2/2
1	4OC	1A	1942	1	-	1/9/27/30	0/2/2/2
32	4OC	1a	1402	32	-	3/9/29/30	0/2/2/2
32	5MC	1a	1407	32	-	0/7/25/26	0/2/2/2
55	5MC	2x	32	55	-	0/7/25/26	0/2/2/2
32	7MG	1a	527	32,56	-	2/7/37/38	0/3/3/3
54	7MG	2y	46	54	-	3/7/37/38	0/3/3/3
54	4SU	1w	8	54	-	0/7/25/26	0/2/2/2
32	MA6	1a	1518	32	-	0/7/29/30	0/3/3/3
54	PSU	1w	39	54	-	1/7/25/26	0/2/2/2
32	5MC	2a	1404	32	-	0/7/25/26	0/2/2/2
1	5MC	1A	1984	56,1	-	0/7/25/26	0/2/2/2
1	2MA	2A	2503	56,1	-	1/3/25/26	0/3/3/3
54	MIA	1w	37	54	-	1/11/33/34	0/3/3/3
54	7MG	1w	46	54	-	3/7/37/38	0/3/3/3
54	5MU	1y	54	54	-	3/7/25/26	0/2/2/2
1	5MC	2A	1962	56,1	-	0/7/25/26	0/2/2/2
54	4SU	2w	8	54	-	1/7/25/26	0/2/2/2

The worst 5 of 233 bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
43	2l	92	0TD	CB-SB	-15.10	1.67	1.82
43	1l	92	0TD	CB-SB	-15.01	1.67	1.82
32	2a	967	5MC	C5-C4	7.30	1.49	1.44
54	1w	37	MIA	C2-S10	-6.99	1.70	1.75
54	1w	37	MIA	C13-C14	6.94	1.53	1.32

The worst 5 of 344 bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
54	2y	46	7MG	N9-C4-N3	10.07	140.22	125.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
54	1y	46	7MG	N9-C4-N3	9.11	138.80	125.46
54	1w	37	MIA	C12-C13-C14	-8.83	111.17	127.01
54	1w	46	7MG	N9-C4-N3	8.77	138.32	125.46
32	2a	527	7MG	N9-C4-N3	8.50	137.91	125.46

There are no chirality outliers.

5 of 57 torsion outliers are listed below:

Mol	Chain	Res	Type	Atoms
32	1a	1519	MA6	O4'-C4'-C5'-O5'
43	1l	92	0TD	SB-CB-CG-OD2
32	2a	1402	4OC	O4'-C4'-C5'-O5'
32	2a	1519	MA6	O4'-C4'-C5'-O5'
54	1w	37	MIA	C12-C13-C14-C16

There are no ring outliers.

44 monomers are involved in 73 short contacts:

Mol	Chain	Res	Type	Clashes	Symm-Clashes
32	2a	1519	MA6	3	0
54	1y	37	MIA	1	0
1	2A	1915	5MU	1	0
1	2A	1917	PSU	1	0
54	1y	8	4SU	3	0
54	2w	37	MIA	1	0
32	2a	1207	2MG	3	0
1	2A	1911	PSU	1	0
54	2w	39	PSU	3	0
55	1x	8	4SU	2	0
1	2A	2552	2MU	1	0
32	2a	527	7MG	1	0
32	2a	1402	4OC	2	0
32	2a	1407	5MC	1	0
54	2y	55	PSU	8	0
54	2y	8	4SU	1	0
43	2l	92	0TD	4	0
54	2y	39	PSU	2	0
32	1a	1519	MA6	2	0
1	1A	1961	5MU	1	0
32	2a	967	5MC	2	0
1	1A	2515	2MA	1	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
32	2a	966	M2G	1	0
1	1A	1939	PSU	1	0
54	1y	39	PSU	1	0
43	1l	92	0TD	1	0
1	2A	2251	OMG	1	0
54	2y	37	MIA	1	0
54	2w	46	7MG	2	0
1	1A	2564	2MU	2	0
1	2A	1920	4OC	2	0
55	2x	8	4SU	1	0
32	2a	1518	MA6	2	0
54	1y	55	PSU	2	0
32	1a	1402	4OC	2	0
55	2x	32	5MC	1	0
54	2y	46	7MG	1	0
32	1a	1518	MA6	3	0
54	1w	39	PSU	1	0
32	2a	1404	5MC	1	0
1	2A	2503	2MA	2	0
54	1w	37	MIA	1	0
54	1w	46	7MG	2	0
54	2w	8	4SU	2	0

5.5 Carbohydrates [i](#)

There are no oligosaccharides in this entry.

5.6 Ligand geometry [i](#)

Of 2853 ligands modelled in this entry, 2851 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	$\# Z > 2$
59	SF4	1d	501	35	0,12,12	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
59	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
59	SF4	1d	501	35	-	-	0/6/5/5
59	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 1 short contact:

Mol	Chain	Res	Type	Clashes	Symm-Clashes
59	2d	501	SF4	1	0

5.7 Other polymers [i](#)

There are no such residues in this entry.

5.8 Polymer linkage issues [i](#)

There are no chain breaks in this entry.

6 Fit of model and data ⓘ

6.1 Protein, DNA and RNA chains ⓘ

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

Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
1	1A	2860/2915 (98%)	-0.03	172 (6%) 29 27	24, 43, 91, 103	0
1	2A	2789/2915 (95%)	0.06	116 (4%) 41 38	28, 48, 89, 106	0
2	1B	120/121 (99%)	0.55	1 (0%) 82 79	39, 61, 72, 90	0
2	2B	120/121 (99%)	1.34	15 (12%) 9 9	45, 68, 77, 91	0
3	1D	275/276 (99%)	0.22	4 (1%) 71 68	25, 42, 58, 80	0
3	2D	275/276 (99%)	0.21	3 (1%) 77 74	28, 45, 61, 78	0
4	1E	204/206 (99%)	0.32	7 (3%) 48 45	23, 46, 66, 80	0
4	2E	204/206 (99%)	0.30	2 (0%) 79 76	26, 50, 67, 80	0
5	1F	203/210 (96%)	0.45	5 (2%) 58 55	22, 51, 76, 91	0
5	2F	203/210 (96%)	0.56	6 (2%) 52 49	27, 56, 76, 91	0
6	1G	181/182 (99%)	1.30	29 (16%) 6 6	48, 69, 80, 92	0
6	2G	181/182 (99%)	2.05	91 (50%) 0 0	54, 73, 81, 93	0
7	1H	174/180 (96%)	1.09	12 (6%) 24 22	47, 64, 74, 83	0
7	2H	174/180 (96%)	1.51	42 (24%) 2 2	54, 70, 78, 83	0
8	1I	146/148 (98%)	1.09	12 (8%) 19 18	49, 73, 82, 85	0
8	2I	146/148 (98%)	1.23	21 (14%) 7 7	50, 73, 82, 86	0
9	1N	140/140 (100%)	0.65	3 (2%) 63 60	31, 48, 67, 77	0
9	2N	140/140 (100%)	0.60	3 (2%) 63 60	37, 53, 71, 80	0
10	1O	122/122 (100%)	-0.02	2 (1%) 70 67	23, 40, 60, 74	0
10	2O	122/122 (100%)	0.78	4 (3%) 49 46	45, 59, 72, 81	0
11	1P	149/150 (99%)	0.74	13 (8%) 17 16	24, 53, 75, 81	0
11	2P	149/150 (99%)	0.75	9 (6%) 29 27	29, 58, 76, 85	0
12	1Q	141/141 (100%)	0.55	2 (1%) 73 70	33, 51, 68, 77	0
12	2Q	141/141 (100%)	1.16	24 (17%) 5 5	37, 56, 73, 79	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
13	1R	118/118 (100%)	0.06	0 100 100	29, 40, 55, 62	0
13	2R	118/118 (100%)	0.04	0 100 100	31, 43, 58, 65	0
14	1S	110/112 (98%)	1.09	12 (10%) 12 11	49, 62, 72, 77	0
14	2S	110/112 (98%)	1.82	37 (33%) 1 1	55, 66, 75, 79	0
15	1T	131/146 (89%)	0.59	8 (6%) 28 26	38, 50, 72, 77	0
15	2T	131/146 (89%)	0.57	3 (2%) 61 58	43, 53, 74, 78	0
16	1U	116/118 (98%)	0.29	2 (1%) 69 65	26, 39, 55, 73	0
16	2U	116/118 (98%)	0.45	1 (0%) 81 78	33, 46, 61, 73	0
17	1V	101/101 (100%)	0.48	3 (2%) 52 49	28, 51, 67, 76	0
17	2V	101/101 (100%)	0.86	5 (4%) 35 32	33, 57, 70, 76	0
18	1W	112/113 (99%)	0.04	2 (1%) 67 64	26, 37, 55, 88	0
18	2W	112/113 (99%)	0.09	2 (1%) 67 64	30, 41, 57, 88	0
19	1X	95/96 (98%)	0.41	3 (3%) 50 47	30, 44, 63, 75	0
19	2X	95/96 (98%)	0.53	1 (1%) 77 74	34, 49, 65, 76	0
20	1Y	107/110 (97%)	0.94	9 (8%) 18 17	45, 57, 74, 83	0
20	2Y	107/110 (97%)	1.27	13 (12%) 10 9	48, 61, 76, 86	0
21	1Z	154/206 (74%)	0.87	20 (12%) 9 8	38, 64, 86, 96	0
21	2Z	160/206 (77%)	2.24	96 (60%) 0 0	72, 83, 93, 99	0
22	10	83/85 (97%)	0.11	0 100 100	25, 38, 59, 71	0
22	20	83/85 (97%)	1.44	17 (20%) 3 3	41, 66, 78, 82	0
23	11	97/98 (98%)	0.17	1 (1%) 79 76	23, 44, 71, 77	0
23	21	97/98 (98%)	0.93	13 (13%) 8 8	38, 58, 74, 82	0
24	12	70/72 (97%)	0.78	5 (7%) 23 22	40, 57, 66, 79	0
24	22	70/72 (97%)	0.91	3 (4%) 40 37	46, 61, 69, 78	0
25	13	59/60 (98%)	0.48	1 (1%) 69 65	29, 45, 69, 83	0
25	23	59/60 (98%)	0.68	2 (3%) 48 45	36, 51, 72, 87	0
26	14	69/71 (97%)	1.64	22 (31%) 1 1	64, 79, 89, 97	0
26	24	69/71 (97%)	2.16	36 (52%) 0 0	70, 80, 89, 97	0
27	15	59/60 (98%)	0.02	1 (1%) 69 65	25, 36, 57, 72	0
27	25	59/60 (98%)	0.02	1 (1%) 69 65	30, 40, 60, 71	0
28	16	53/54 (98%)	0.44	1 (1%) 66 63	38, 51, 64, 74	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
28	26	53/54 (98%)	0.77	3 (5%) 30 28	42, 54, 65, 71	0
29	17	48/49 (97%)	0.02	5 (10%) 13 12	24, 31, 58, 69	0
29	27	48/49 (97%)	-0.02	2 (4%) 41 38	28, 35, 58, 70	0
30	18	64/65 (98%)	0.40	4 (6%) 27 25	33, 42, 50, 66	0
30	28	64/65 (98%)	0.60	1 (1%) 70 67	38, 46, 53, 67	0
31	19	37/37 (100%)	0.65	0 100 100	37, 50, 67, 68	0
31	29	37/37 (100%)	1.21	5 (13%) 8 7	46, 54, 71, 72	0
32	1a	1488/1521 (97%)	0.82	105 (7%) 23 22	42, 72, 92, 103	0
32	2a	1491/1521 (98%)	1.10	279 (18%) 4 4	44, 74, 93, 103	0
33	1b	231/256 (90%)	1.58	70 (30%) 1 1	69, 82, 89, 94	0
33	2b	231/256 (90%)	2.35	145 (62%) 0 0	72, 83, 89, 94	0
34	1c	206/239 (86%)	1.57	55 (26%) 2 2	67, 80, 86, 92	0
34	2c	206/239 (86%)	2.44	133 (64%) 0 0	69, 82, 88, 93	0
35	1d	208/209 (99%)	1.35	36 (17%) 5 5	56, 72, 80, 87	0
35	2d	208/209 (99%)	1.36	35 (16%) 5 5	58, 71, 80, 88	0
36	1e	148/162 (91%)	1.30	22 (14%) 7 6	56, 72, 80, 86	0
36	2e	148/162 (91%)	1.96	67 (45%) 1 1	59, 74, 83, 87	0
37	1f	100/101 (99%)	1.02	5 (5%) 35 32	50, 66, 76, 78	0
37	2f	100/101 (99%)	1.05	6 (6%) 29 27	60, 72, 80, 86	0
38	1g	155/156 (99%)	1.48	36 (23%) 2 3	62, 74, 83, 100	0
38	2g	155/156 (99%)	1.69	44 (28%) 1 1	65, 76, 84, 102	0
39	1h	137/138 (99%)	1.19	15 (10%) 12 11	60, 72, 78, 83	0
39	2h	137/138 (99%)	1.71	44 (32%) 1 1	64, 74, 80, 84	0
40	1i	127/128 (99%)	1.48	33 (25%) 2 2	51, 75, 83, 87	0
40	2i	127/128 (99%)	2.72	90 (70%) 0 0	71, 85, 91, 92	0
41	1j	97/105 (92%)	1.79	33 (34%) 1 1	59, 78, 90, 95	0
41	2j	96/105 (91%)	2.97	74 (77%) 0 0	74, 87, 94, 98	0
42	1k	114/129 (88%)	1.06	13 (11%) 11 10	52, 69, 80, 83	0
42	2k	114/129 (88%)	1.24	17 (14%) 7 6	55, 71, 81, 87	0
43	1l	121/132 (91%)	0.98	15 (12%) 9 9	53, 64, 74, 77	0
43	2l	121/132 (91%)	1.29	16 (13%) 8 8	55, 67, 75, 80	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
44	1m	123/126 (97%)	1.04	12 (9%) 14 13	54, 69, 78, 82	0
44	2m	122/126 (96%)	2.51	69 (56%) 0 0	73, 84, 90, 94	0
45	1n	60/61 (98%)	1.37	8 (13%) 8 8	57, 69, 78, 82	0
45	2n	60/61 (98%)	3.14	54 (90%) 0 0	78, 85, 93, 95	0
46	1o	88/89 (98%)	1.14	14 (15%) 6 6	56, 69, 78, 82	0
46	2o	88/89 (98%)	1.29	13 (14%) 7 7	57, 70, 80, 83	0
47	1p	82/88 (93%)	1.69	27 (32%) 1 1	58, 70, 80, 83	0
47	2p	82/88 (93%)	1.53	16 (19%) 4 4	59, 69, 81, 82	0
48	1q	99/105 (94%)	1.23	7 (7%) 23 22	57, 70, 79, 82	0
48	2q	99/105 (94%)	1.44	21 (21%) 3 3	60, 70, 79, 82	0
49	1r	68/88 (77%)	1.08	6 (8%) 17 16	60, 68, 79, 82	0
49	2r	68/88 (77%)	1.20	9 (13%) 8 8	60, 70, 80, 82	0
50	1s	83/93 (89%)	1.50	19 (22%) 2 3	70, 79, 86, 91	0
50	2s	83/93 (89%)	2.73	64 (77%) 0 0	74, 81, 88, 94	0
51	1t	96/106 (90%)	1.44	23 (23%) 2 2	58, 71, 80, 86	0
51	2t	96/106 (90%)	1.15	11 (11%) 11 10	59, 71, 81, 85	0
52	1u	23/27 (85%)	1.77	9 (39%) 1 1	65, 74, 78, 80	0
52	2u	23/27 (85%)	2.85	17 (73%) 0 0	68, 75, 80, 83	0
53	1v	13/24 (54%)	1.84	7 (53%) 0 0	60, 74, 92, 98	0
53	2v	13/24 (54%)	2.44	7 (53%) 0 0	65, 78, 95, 98	0
54	1w	67/76 (88%)	1.51	21 (31%) 1 1	44, 89, 97, 101	0
54	1y	67/76 (88%)	1.50	15 (22%) 3 3	37, 91, 97, 101	0
54	2w	65/76 (85%)	1.79	20 (30%) 1 1	56, 96, 101, 104	0
54	2y	66/76 (86%)	1.66	15 (22%) 3 3	51, 95, 99, 100	0
55	1x	72/77 (93%)	0.54	5 (6%) 24 22	33, 66, 84, 87	0
55	2x	72/77 (93%)	0.99	3 (4%) 41 38	52, 81, 90, 95	0
All	All	20875/21748 (95%)	0.79	2818 (13%) 8 7	22, 63, 88, 106	0

The worst 5 of 2818 RSRZ outliers are listed below:

Mol	Chain	Res	Type	RSRZ
44	2m	102	ARG	6.9
38	1g	80	VAL	6.8

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Mol	Chain	Res	Type	RSRZ
41	2j	40	LEU	6.7
45	2n	25	VAL	6.6
45	1n	2	ALA	6.6

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

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

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
54	7MG	2w	46	24/25	0.51	0.16	83,96,107,134	0
54	4SU	2w	8	20/21	0.58	0.16	81,98,120,128	0
54	7MG	2y	46	24/25	0.61	0.19	68,95,99,128	0
54	PSU	2y	55	20/21	0.61	0.15	80,96,115,118	0
54	5MU	2y	54	21/22	0.63	0.17	79,93,108,123	0
54	PSU	2w	55	20/21	0.65	0.17	80,94,98,113	0
54	7MG	1w	46	24/25	0.66	0.17	76,90,101,124	0
54	7MG	1y	46	24/25	0.67	0.17	76,95,106,115	0
54	5MU	1y	54	21/22	0.68	0.15	76,87,95,116	0
54	4SU	1y	8	20/21	0.70	0.17	80,98,105,114	0
54	MIA	2y	37	22/30	0.70	0.17	72,86,94,120	0
54	PSU	1y	55	20/21	0.72	0.16	72,89,99,120	0
54	4SU	2y	8	20/21	0.74	0.16	87,94,106,113	0
32	2MG	2a	1207	24/25	0.75	0.16	74,85,90,98	0
54	PSU	2y	32	20/21	0.76	0.17	73,89,97,108	0
55	PSU	2x	55	20/21	0.80	0.14	69,84,106,107	0
54	PSU	1y	32	20/21	0.81	0.16	69,87,94,95	0
54	PSU	2y	39	20/21	0.81	0.13	78,84,100,112	0
54	4SU	1w	8	20/21	0.81	0.14	75,86,105,114	0
54	5MU	2w	54	21/22	0.82	0.15	66,85,93,101	0
55	5MU	2x	54	21/22	0.82	0.15	71,87,95,100	0
54	MIA	1y	37	22/30	0.82	0.14	76,83,93,94	0
54	PSU	1w	55	20/21	0.83	0.12	72,81,90,98	0
55	4SU	2x	8	20/21	0.83	0.15	74,85,90,96	0
1	5MU	2A	1915	21/22	0.85	0.16	64,72,79,93	0
54	PSU	2w	39	20/21	0.86	0.14	80,88,96,102	0
54	PSU	2w	32	20/21	0.87	0.13	69,85,94,103	0
32	M2G	2a	966	25/26	0.87	0.18	52,69,95,99	0
54	MIA	2w	37	25/30	0.88	0.13	70,82,91,110	0
54	PSU	1y	39	20/21	0.88	0.12	71,81,89,95	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
43	0TD	2l	92	10/11	0.89	0.14	65,68,73,79	0
55	5MC	2x	32	21/22	0.89	0.15	65,78,87,88	0
32	PSU	2a	516	20/21	0.90	0.10	65,72,79,83	0
32	5MC	2a	967	21/22	0.91	0.15	62,71,79,86	0
43	0TD	1l	92	10/11	0.91	0.15	61,64,70,74	0
32	5MC	2a	1400	21/22	0.91	0.16	70,74,80,93	0
54	PSU	1w	32	20/21	0.91	0.12	59,72,79,83	0
32	5MC	2a	1404	21/22	0.91	0.12	47,59,74,77	0
32	7MG	2a	527	24/25	0.91	0.12	61,70,77,88	0
55	PSU	1x	55	20/21	0.91	0.11	56,67,81,87	0
1	PSU	2A	1917	20/21	0.91	0.12	56,65,75,76	0
54	MIA	1w	37	29/30	0.92	0.14	43,62,74,78	0
32	4OC	2a	1402	22/23	0.92	0.12	45,63,71,90	0
55	5MU	1x	54	21/22	0.92	0.11	57,71,79,83	0
1	PSU	2A	1911	20/21	0.93	0.10	56,60,66,70	0
32	PSU	1a	516	20/21	0.93	0.12	63,70,78,78	0
1	5MU	1A	1937	21/22	0.93	0.12	56,67,75,82	0
54	PSU	1w	39	20/21	0.93	0.10	50,70,80,83	0
1	4OC	2A	1920	21/23	0.93	0.12	46,57,62,72	0
32	UR3	2a	1498	21/22	0.93	0.12	48,58,62,68	0
55	5MC	1x	32	21/22	0.94	0.12	44,54,67,73	0
32	2MG	1a	1207	24/25	0.94	0.09	62,72,76,80	0
54	5MU	1w	54	21/22	0.94	0.10	55,67,78,79	0
1	PSU	1A	1939	20/21	0.94	0.13	53,60,71,72	0
1	5MU	2A	1939	21/22	0.94	0.10	24,34,41,46	0
32	MA6	2a	1518	24/25	0.94	0.13	41,63,74,82	0
1	5MC	1A	1964	21/22	0.95	0.10	38,47,52,60	0
1	PSU	1A	1933	20/21	0.95	0.12	49,59,62,66	0
55	4SU	1x	8	20/21	0.95	0.10	46,60,69,73	0
1	5MC	2A	1942	21/22	0.95	0.10	45,50,58,61	0
1	5MC	2A	1962	21/22	0.95	0.10	28,43,52,59	0
32	7MG	1a	527	24/25	0.95	0.10	40,50,60,67	0
32	5MC	2a	1407	21/22	0.95	0.12	48,57,69,76	0
32	M2G	1a	966	25/26	0.95	0.10	41,55,61,77	0
32	5MC	1a	967	21/22	0.95	0.11	51,58,67,70	0
32	MA6	2a	1519	24/25	0.95	0.13	47,65,74,81	0
32	MA6	1a	1519	24/25	0.96	0.10	39,48,57,71	0
1	PSU	2A	2605	20/21	0.96	0.07	25,33,40,42	0
32	5MC	1a	1407	21/22	0.96	0.10	34,42,56,62	0
1	5MU	1A	1961	21/22	0.97	0.08	21,33,38,44	0
32	5MC	1a	1400	21/22	0.97	0.09	39,53,61,67	0
32	4OC	1a	1402	22/23	0.97	0.09	37,47,55,61	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
32	5MC	1a	1404	21/22	0.97	0.08	32,43,50,53	0
1	4OC	1A	1942	21/23	0.97	0.10	42,55,61,65	0
1	2MU	1A	2564	21/23	0.97	0.08	26,36,40,46	0
1	PSU	1A	2617	20/21	0.97	0.08	24,31,37,39	0
1	OMG	2A	2251	24/25	0.97	0.07	27,36,44,46	0
1	2MA	2A	2503	23/24	0.97	0.07	25,30,35,37	0
1	2MU	2A	2552	21/23	0.97	0.08	28,38,46,52	0
1	OMG	1A	2263	24/25	0.98	0.07	22,32,39,44	0
32	UR3	1a	1498	21/22	0.98	0.06	38,43,50,54	0
32	MA6	1a	1518	24/25	0.98	0.09	31,47,51,57	0
1	2MA	1A	2515	23/24	0.98	0.08	20,26,31,34	0
1	5MC	1A	1984	21/22	0.98	0.07	31,38,48,57	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
56	MG	1A	3786	1/1	0.27	0.30	81,81,81,81	0
56	MG	1A	4076	1/1	0.55	0.14	75,75,75,75	0
56	MG	2B	3016	1/1	0.60	0.28	81,81,81,81	0
56	MG	1Z	302	1/1	0.63	0.13	67,67,67,67	0
56	MG	1G	3004	1/1	0.63	0.22	92,92,92,92	0
56	MG	1A	3671	1/1	0.65	0.21	67,67,67,67	0
56	MG	2a	3028	1/1	0.66	0.37	84,84,84,84	0
56	MG	2A	3687	1/1	0.68	0.29	63,63,63,63	0
56	MG	2A	3875	1/1	0.68	0.24	76,76,76,76	0
56	MG	2a	3201	1/1	0.68	0.24	79,79,79,79	0
56	MG	1A	3975	1/1	0.70	0.18	93,93,93,93	0
56	MG	1B	3032	1/1	0.70	0.23	80,80,80,80	0
56	MG	2a	3198	1/1	0.70	0.22	83,83,83,83	0
56	MG	1A	4044	1/1	0.70	0.25	79,79,79,79	0
56	MG	1A	3468	1/1	0.71	0.17	68,68,68,68	0
56	MG	1A	3894	1/1	0.71	0.21	73,73,73,73	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1a	1746	1/1	0.71	0.21	84,84,84,84	0
56	MG	1a	1773	1/1	0.72	0.13	90,90,90,90	0
56	MG	2A	3856	1/1	0.72	0.19	41,41,41,41	0
56	MG	2a	3131	1/1	0.72	0.31	80,80,80,80	0
56	MG	2A	3686	1/1	0.72	0.22	57,57,57,57	0
56	MG	2B	3014	1/1	0.72	0.17	77,77,77,77	0
56	MG	2a	3210	1/1	0.72	0.16	70,70,70,70	0
56	MG	2A	3821	1/1	0.73	0.20	79,79,79,79	0
56	MG	2A	3884	1/1	0.73	0.20	42,42,42,42	0
56	MG	1A	3585	1/1	0.73	0.20	66,66,66,66	0
56	MG	1E	307	1/1	0.74	0.21	70,70,70,70	0
56	MG	1A	3795	1/1	0.74	0.24	51,51,51,51	0
56	MG	1y	3004	1/1	0.74	0.18	86,86,86,86	0
56	MG	2A	3091	1/1	0.74	0.17	60,60,60,60	0
56	MG	2A	3656	1/1	0.74	0.17	77,77,77,77	0
56	MG	1A	3531	1/1	0.74	0.21	67,67,67,67	0
56	MG	2a	3228	1/1	0.74	0.28	86,86,86,86	0
56	MG	2A	3712	1/1	0.75	0.15	63,63,63,63	0
56	MG	2a	3010	1/1	0.75	0.29	76,76,76,76	0
56	MG	2B	3003	1/1	0.75	0.25	74,74,74,74	0
56	MG	1A	3834	1/1	0.75	0.21	69,69,69,69	0
56	MG	2a	3127	1/1	0.76	0.22	85,85,85,85	0
56	MG	1A	3994	1/1	0.76	0.19	76,76,76,76	0
56	MG	2a	3136	1/1	0.76	0.19	73,73,73,73	0
56	MG	2A	3691	1/1	0.76	0.26	68,68,68,68	0
56	MG	2B	3021	1/1	0.76	0.27	75,75,75,75	0
56	MG	1a	1610	1/1	0.76	0.14	79,79,79,79	0
56	MG	1a	1656	1/1	0.76	0.29	75,75,75,75	0
56	MG	2a	3240	1/1	0.76	0.15	63,63,63,63	0
56	MG	2y	3005	1/1	0.76	0.24	82,82,82,82	0
56	MG	1A	3423	1/1	0.77	0.24	67,67,67,67	0
56	MG	2a	3003	1/1	0.77	0.14	64,64,64,64	0
56	MG	1A	3555	1/1	0.77	0.30	60,60,60,60	0
56	MG	1B	3007	1/1	0.77	0.31	85,85,85,85	0
56	MG	2a	3046	1/1	0.77	0.23	64,64,64,64	0
56	MG	1A	3566	1/1	0.77	0.29	72,72,72,72	0
56	MG	2A	3844	1/1	0.77	0.15	50,50,50,50	0
56	MG	1a	1776	1/1	0.77	0.12	91,91,91,91	0
56	MG	2a	3179	1/1	0.77	0.13	100,100,100,100	0
56	MG	2A	3871	1/1	0.77	0.15	70,70,70,70	0
56	MG	1e	201	1/1	0.77	0.14	79,79,79,79	0
56	MG	1A	3319	1/1	0.77	0.24	63,63,63,63	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	3641	1/1	0.77	0.24	65,65,65,65	0
56	MG	1U	202	1/1	0.77	0.36	73,73,73,73	0
56	MG	2v	3002	1/1	0.77	0.23	77,77,77,77	0
56	MG	1A	3530	1/1	0.77	0.22	63,63,63,63	0
56	MG	2A	3865	1/1	0.78	0.13	71,71,71,71	0
56	MG	2a	3090	1/1	0.78	0.12	68,68,68,68	0
56	MG	2a	3117	1/1	0.78	0.27	81,81,81,81	0
56	MG	1A	3912	1/1	0.78	0.19	80,80,80,80	0
56	MG	1A	3962	1/1	0.78	0.14	62,62,62,62	0
56	MG	1x	102	1/1	0.78	0.27	63,63,63,63	0
56	MG	1A	3879	1/1	0.78	0.20	51,51,51,51	0
56	MG	2a	3192	1/1	0.78	0.22	63,63,63,63	0
56	MG	1A	3466	1/1	0.78	0.13	64,64,64,64	0
56	MG	2a	3199	1/1	0.78	0.19	72,72,72,72	0
56	MG	2A	3719	1/1	0.78	0.22	57,57,57,57	0
56	MG	2A	3291	1/1	0.78	0.13	56,56,56,56	0
56	MG	2Z	8001	1/1	0.78	0.17	78,78,78,78	0
56	MG	2A	3839	1/1	0.78	0.13	45,45,45,45	0
56	MG	2A	3362	1/1	0.78	0.21	68,68,68,68	0
56	MG	2x	102	1/1	0.78	0.21	77,77,77,77	0
56	MG	2A	3536	1/1	0.78	0.12	51,51,51,51	0
56	MG	1A	3264	1/1	0.79	0.12	63,63,63,63	0
56	MG	2A	3880	1/1	0.79	0.12	65,65,65,65	0
56	MG	2A	3754	1/1	0.79	0.13	45,45,45,45	0
56	MG	2A	3646	1/1	0.79	0.14	55,55,55,55	0
56	MG	2a	3104	1/1	0.79	0.23	75,75,75,75	0
56	MG	1A	3164	1/1	0.79	0.26	73,73,73,73	0
56	MG	1a	1738	1/1	0.79	0.14	66,66,66,66	0
56	MG	1A	3832	1/1	0.79	0.17	62,62,62,62	0
56	MG	2A	3374	1/1	0.79	0.21	65,65,65,65	0
56	MG	2A	3453	1/1	0.79	0.11	45,45,45,45	0
56	MG	1f	3002	1/1	0.80	0.33	80,80,80,80	0
56	MG	2a	3036	1/1	0.80	0.21	83,83,83,83	0
56	MG	1A	3718	1/1	0.80	0.20	67,67,67,67	0
56	MG	2A	3855	1/1	0.80	0.12	69,69,69,69	0
56	MG	2A	3667	1/1	0.80	0.15	49,49,49,49	0
56	MG	1a	1689	1/1	0.80	0.27	73,73,73,73	0
56	MG	1A	3830	1/1	0.80	0.12	66,66,66,66	0
56	MG	1A	3776	1/1	0.80	0.27	75,75,75,75	0
56	MG	2A	3710	1/1	0.80	0.14	63,63,63,63	0
56	MG	2a	3155	1/1	0.80	0.13	81,81,81,81	0
56	MG	2a	3161	1/1	0.80	0.14	91,91,91,91	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2a	3166	1/1	0.80	0.13	84,84,84,84	0
56	MG	1a	1750	1/1	0.80	0.29	85,85,85,85	0
56	MG	2A	3716	1/1	0.80	0.19	55,55,55,55	0
56	MG	1A	3694	1/1	0.80	0.16	61,61,61,61	0
56	MG	2A	3722	1/1	0.80	0.20	58,58,58,58	0
56	MG	15	103	1/1	0.80	0.15	61,61,61,61	0
56	MG	2a	3204	1/1	0.80	0.23	86,86,86,86	0
56	MG	2E	307	1/1	0.80	0.20	54,54,54,54	0
56	MG	2E	308	1/1	0.80	0.12	38,38,38,38	0
56	MG	2A	3756	1/1	0.80	0.18	42,42,42,42	0
56	MG	2j	8001	1/1	0.80	0.14	75,75,75,75	0
56	MG	1A	3875	1/1	0.80	0.19	60,60,60,60	0
56	MG	2w	108	1/1	0.80	0.22	66,66,66,66	0
56	MG	2A	3822	1/1	0.80	0.16	66,66,66,66	0
56	MG	2a	3024	1/1	0.80	0.32	72,72,72,72	0
56	MG	1x	114	1/1	0.81	0.21	82,82,82,82	0
56	MG	2A	3748	1/1	0.81	0.13	57,57,57,57	0
56	MG	1A	3829	1/1	0.81	0.11	59,59,59,59	0
56	MG	1A	3073	1/1	0.81	0.29	69,69,69,69	0
56	MG	2a	3034	1/1	0.81	0.23	72,72,72,72	0
56	MG	2A	3773	1/1	0.81	0.16	63,63,63,63	0
56	MG	2A	3808	1/1	0.81	0.15	60,60,60,60	0
56	MG	2a	3062	1/1	0.81	0.28	70,70,70,70	0
56	MG	1A	3272	1/1	0.81	0.14	60,60,60,60	0
56	MG	2a	3206	1/1	0.81	0.17	69,69,69,69	0
56	MG	2a	3103	1/1	0.81	0.22	76,76,76,76	0
56	MG	1A	3913	1/1	0.81	0.15	80,80,80,80	0
56	MG	2a	3108	1/1	0.81	0.26	78,78,78,78	0
56	MG	1B	3029	1/1	0.81	0.23	66,66,66,66	0
56	MG	1A	3646	1/1	0.81	0.10	32,32,32,32	0
56	MG	2a	3128	1/1	0.81	0.21	87,87,87,87	0
56	MG	1a	1672	1/1	0.81	0.12	73,73,73,73	0
56	MG	1A	3824	1/1	0.81	0.23	70,70,70,70	0
56	MG	1w	109	1/1	0.82	0.21	67,67,67,67	0
56	MG	2B	3020	1/1	0.82	0.30	78,78,78,78	0
56	MG	1Y	503	1/1	0.82	0.15	78,78,78,78	0
56	MG	2A	3769	1/1	0.82	0.15	62,62,62,62	0
56	MG	2A	3607	1/1	0.82	0.18	55,55,55,55	0
56	MG	1B	3020	1/1	0.82	0.26	82,82,82,82	0
56	MG	1A	3888	1/1	0.82	0.15	70,70,70,70	0
56	MG	2A	3058	1/1	0.82	0.19	66,66,66,66	0
56	MG	2a	3012	1/1	0.82	0.27	71,71,71,71	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	3863	1/1	0.82	0.22	50,50,50,50	0
56	MG	2a	3200	1/1	0.82	0.26	76,76,76,76	0
56	MG	2A	3128	1/1	0.82	0.13	48,48,48,48	0
56	MG	2A	3138	1/1	0.82	0.20	59,59,59,59	0
56	MG	2A	3699	1/1	0.82	0.10	76,76,76,76	0
56	MG	2A	3256	1/1	0.82	0.18	53,53,53,53	0
56	MG	2A	3266	1/1	0.82	0.15	59,59,59,59	0
56	MG	1A	3871	1/1	0.82	0.23	49,49,49,49	0
56	MG	1A	3800	1/1	0.82	0.15	65,65,65,65	0
56	MG	2A	3364	1/1	0.82	0.29	77,77,77,77	0
56	MG	2w	102	1/1	0.82	0.13	62,62,62,62	0
56	MG	2A	3893	1/1	0.82	0.16	66,66,66,66	0
56	MG	2A	3741	1/1	0.82	0.14	61,61,61,61	0
56	MG	1A	3548	1/1	0.82	0.17	49,49,49,49	0
56	MG	1A	3853	1/1	0.83	0.13	52,52,52,52	0
56	MG	1A	3799	1/1	0.83	0.16	57,57,57,57	0
56	MG	2a	3037	1/1	0.83	0.15	77,77,77,77	0
56	MG	2a	3040	1/1	0.83	0.15	57,57,57,57	0
56	MG	1A	3727	1/1	0.83	0.17	36,36,36,36	0
56	MG	2A	3810	1/1	0.83	0.14	51,51,51,51	0
56	MG	2a	3085	1/1	0.83	0.26	65,65,65,65	0
56	MG	2A	3819	1/1	0.83	0.20	64,64,64,64	0
56	MG	2a	3099	1/1	0.83	0.26	74,74,74,74	0
56	MG	1A	4024	1/1	0.83	0.14	71,71,71,71	0
56	MG	1a	1784	1/1	0.83	0.15	74,74,74,74	0
56	MG	2A	3501	1/1	0.83	0.16	59,59,59,59	0
56	MG	1a	1824	1/1	0.83	0.15	73,73,73,73	0
56	MG	2A	3606	1/1	0.83	0.18	61,61,61,61	0
56	MG	1A	3802	1/1	0.83	0.13	57,57,57,57	0
56	MG	1A	4072	1/1	0.83	0.19	62,62,62,62	0
56	MG	1v	3001	1/1	0.83	0.31	77,77,77,77	0
56	MG	1A	3734	1/1	0.83	0.10	59,59,59,59	0
56	MG	1a	1612	1/1	0.83	0.15	74,74,74,74	0
56	MG	1x	109	1/1	0.83	0.21	82,82,82,82	0
56	MG	1a	1617	1/1	0.83	0.13	63,63,63,63	0
56	MG	2A	3696	1/1	0.83	0.11	58,58,58,58	0
56	MG	2B	3010	1/1	0.83	0.16	73,73,73,73	0
56	MG	1A	3757	1/1	0.83	0.18	27,27,27,27	0
56	MG	1a	1663	1/1	0.83	0.15	76,76,76,76	0
56	MG	1A	3316	1/1	0.83	0.22	58,58,58,58	0
56	MG	2A	3116	1/1	0.83	0.29	68,68,68,68	0
56	MG	2A	3117	1/1	0.83	0.19	63,63,63,63	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	3446	1/1	0.83	0.21	61,61,61,61	0
56	MG	2A	3737	1/1	0.83	0.20	72,72,72,72	0
56	MG	2a	3236	1/1	0.83	0.14	75,75,75,75	0
56	MG	1a	1702	1/1	0.83	0.41	73,73,73,73	0
56	MG	2a	3007	1/1	0.83	0.26	71,71,71,71	0
56	MG	2n	502	1/1	0.83	0.11	86,86,86,86	0
56	MG	2A	3744	1/1	0.83	0.18	55,55,55,55	0
56	MG	2w	101	1/1	0.83	0.26	73,73,73,73	0
56	MG	1a	1718	1/1	0.83	0.22	70,70,70,70	0
56	MG	2w	104	1/1	0.83	0.14	69,69,69,69	0
56	MG	2a	3013	1/1	0.83	0.33	78,78,78,78	0
56	MG	2A	3259	1/1	0.83	0.24	61,61,61,61	0
56	MG	1A	3320	1/1	0.83	0.20	60,60,60,60	0
56	MG	1A	4061	1/1	0.84	0.14	72,72,72,72	0
56	MG	2A	3466	1/1	0.84	0.22	65,65,65,65	0
56	MG	1x	103	1/1	0.84	0.14	71,71,71,71	0
56	MG	2a	3071	1/1	0.84	0.18	75,75,75,75	0
56	MG	2a	3083	1/1	0.84	0.20	72,72,72,72	0
56	MG	1A	3521	1/1	0.84	0.20	65,65,65,65	0
56	MG	2A	3829	1/1	0.84	0.12	59,59,59,59	0
56	MG	2a	3095	1/1	0.84	0.22	71,71,71,71	0
56	MG	2A	3568	1/1	0.84	0.13	46,46,46,46	0
56	MG	2A	3577	1/1	0.84	0.22	56,56,56,56	0
56	MG	1A	3937	1/1	0.84	0.15	31,31,31,31	0
56	MG	1a	1744	1/1	0.84	0.22	73,73,73,73	0
56	MG	2A	3039	1/1	0.84	0.12	55,55,55,55	0
56	MG	2A	3649	1/1	0.84	0.14	69,69,69,69	0
56	MG	1B	3002	1/1	0.84	0.19	58,58,58,58	0
56	MG	2A	3876	1/1	0.84	0.14	66,66,66,66	0
56	MG	1A	3948	1/1	0.84	0.15	60,60,60,60	0
56	MG	2A	3883	1/1	0.84	0.16	56,56,56,56	0
56	MG	2A	3101	1/1	0.84	0.22	59,59,59,59	0
56	MG	1A	3630	1/1	0.84	0.11	32,32,32,32	0
56	MG	1B	3024	1/1	0.84	0.10	50,50,50,50	0
56	MG	2A	3126	1/1	0.84	0.19	58,58,58,58	0
56	MG	1A	3794	1/1	0.84	0.18	61,61,61,61	0
56	MG	2A	3700	1/1	0.84	0.19	65,65,65,65	0
56	MG	2B	3019	1/1	0.84	0.16	76,76,76,76	0
56	MG	1a	1795	1/1	0.84	0.14	70,70,70,70	0
56	MG	2A	3169	1/1	0.84	0.45	73,73,73,73	0
56	MG	1A	3890	1/1	0.84	0.15	57,57,57,57	0
56	MG	1a	1665	1/1	0.84	0.18	78,78,78,78	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	3257	1/1	0.84	0.12	68,68,68,68	0
56	MG	2a	3229	1/1	0.84	0.30	69,69,69,69	0
56	MG	28	102	1/1	0.84	0.14	52,52,52,52	0
56	MG	2A	3728	1/1	0.84	0.12	58,58,58,58	0
56	MG	1A	3708	1/1	0.84	0.17	76,76,76,76	0
56	MG	2A	3342	1/1	0.84	0.19	59,59,59,59	0
56	MG	2t	3001	1/1	0.84	0.18	60,60,60,60	0
56	MG	2A	3353	1/1	0.84	0.17	65,65,65,65	0
56	MG	2A	3354	1/1	0.84	0.21	68,68,68,68	0
56	MG	1w	101	1/1	0.84	0.15	64,64,64,64	0
56	MG	1a	1696	1/1	0.84	0.24	71,71,71,71	0
56	MG	1w	110	1/1	0.84	0.16	66,66,66,66	0
56	MG	2A	3406	1/1	0.84	0.19	55,55,55,55	0
56	MG	2A	3447	1/1	0.84	0.25	46,46,46,46	0
56	MG	2y	3007	1/1	0.84	0.17	68,68,68,68	0
56	MG	1A	3895	1/1	0.85	0.13	61,61,61,61	0
56	MG	1a	1829	1/1	0.85	0.19	73,73,73,73	0
56	MG	1A	3478	1/1	0.85	0.32	65,65,65,65	0
56	MG	1A	4000	1/1	0.85	0.14	34,34,34,34	0
56	MG	2a	3110	1/1	0.85	0.24	73,73,73,73	0
56	MG	19	102	1/1	0.85	0.15	51,51,51,51	0
56	MG	2A	3757	1/1	0.85	0.12	52,52,52,52	0
56	MG	2A	3766	1/1	0.85	0.14	52,52,52,52	0
56	MG	2A	3635	1/1	0.85	0.17	43,43,43,43	0
56	MG	2A	3770	1/1	0.85	0.12	57,57,57,57	0
56	MG	2a	3138	1/1	0.85	0.13	79,79,79,79	0
56	MG	2A	3644	1/1	0.85	0.15	64,64,64,64	0
56	MG	2T	3001	1/1	0.85	0.15	53,53,53,53	0
56	MG	2A	3780	1/1	0.85	0.16	80,80,80,80	0
56	MG	2A	3802	1/1	0.85	0.08	56,56,56,56	0
56	MG	1a	1704	1/1	0.85	0.23	63,63,63,63	0
56	MG	1A	3357	1/1	0.85	0.15	56,56,56,56	0
56	MG	2A	3814	1/1	0.85	0.19	55,55,55,55	0
56	MG	1A	4026	1/1	0.85	0.13	51,51,51,51	0
56	MG	1a	1743	1/1	0.85	0.16	73,73,73,73	0
56	MG	2A	3330	1/1	0.85	0.26	63,63,63,63	0
56	MG	1A	3752	1/1	0.85	0.12	41,41,41,41	0
56	MG	2a	3033	1/1	0.85	0.13	63,63,63,63	0
56	MG	1a	1625	1/1	0.85	0.29	63,63,63,63	0
56	MG	1a	1645	1/1	0.85	0.17	80,80,80,80	0
56	MG	2a	3232	1/1	0.85	0.17	77,77,77,77	0
56	MG	2a	3234	1/1	0.85	0.14	66,66,66,66	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1x	115	1/1	0.85	0.15	75,75,75,75	0
56	MG	1y	3001	1/1	0.85	0.11	64,64,64,64	0
56	MG	1a	1762	1/1	0.85	0.17	78,78,78,78	0
56	MG	2a	3048	1/1	0.85	0.25	67,67,67,67	0
56	MG	2a	3053	1/1	0.85	0.28	66,66,66,66	0
56	MG	2v	3001	1/1	0.85	0.23	69,69,69,69	0
56	MG	1A	3691	1/1	0.85	0.19	41,41,41,41	0
56	MG	2a	3063	1/1	0.85	0.17	74,74,74,74	0
56	MG	1A	3774	1/1	0.85	0.12	55,55,55,55	0
56	MG	1A	3970	1/1	0.85	0.13	70,70,70,70	0
56	MG	1a	1790	1/1	0.85	0.12	73,73,73,73	0
56	MG	1a	1669	1/1	0.85	0.19	73,73,73,73	0
56	MG	2a	3093	1/1	0.85	0.23	64,64,64,64	0
56	MG	2A	3506	1/1	0.85	0.17	31,31,31,31	0
56	MG	2A	3540	1/1	0.86	0.09	47,47,47,47	0
56	MG	1a	1660	1/1	0.86	0.15	74,74,74,74	0
56	MG	2A	3096	1/1	0.86	0.11	59,59,59,59	0
56	MG	2A	3100	1/1	0.86	0.11	57,57,57,57	0
56	MG	2a	3076	1/1	0.86	0.15	73,73,73,73	0
56	MG	1A	3407	1/1	0.86	0.14	65,65,65,65	0
56	MG	2A	3610	1/1	0.86	0.14	67,67,67,67	0
56	MG	2A	3614	1/1	0.86	0.12	36,36,36,36	0
56	MG	2A	3626	1/1	0.86	0.13	53,53,53,53	0
56	MG	2A	3113	1/1	0.86	0.11	52,52,52,52	0
56	MG	2A	3860	1/1	0.86	0.13	59,59,59,59	0
56	MG	1a	1789	1/1	0.86	0.12	72,72,72,72	0
56	MG	1A	3332	1/1	0.86	0.27	56,56,56,56	0
56	MG	2A	3647	1/1	0.86	0.19	51,51,51,51	0
56	MG	1A	4033	1/1	0.86	0.10	76,76,76,76	0
56	MG	1a	1797	1/1	0.86	0.16	64,64,64,64	0
56	MG	2a	3120	1/1	0.86	0.18	72,72,72,72	0
56	MG	2a	3121	1/1	0.86	0.28	75,75,75,75	0
56	MG	1A	3487	1/1	0.86	0.21	70,70,70,70	0
56	MG	1a	1827	1/1	0.86	0.11	58,58,58,58	0
56	MG	2A	3892	1/1	0.86	0.16	78,78,78,78	0
56	MG	2A	3229	1/1	0.86	0.15	41,41,41,41	0
56	MG	1V	203	1/1	0.86	0.16	67,67,67,67	0
56	MG	2a	3148	1/1	0.86	0.11	77,77,77,77	0
56	MG	2B	3004	1/1	0.86	0.15	69,69,69,69	0
56	MG	1A	4060	1/1	0.86	0.09	37,37,37,37	0
56	MG	1A	3488	1/1	0.86	0.21	59,59,59,59	0
56	MG	2a	3171	1/1	0.86	0.14	73,73,73,73	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	3432	1/1	0.86	0.14	54,54,54,54	0
56	MG	2A	3295	1/1	0.86	0.15	63,63,63,63	0
56	MG	2A	3711	1/1	0.86	0.20	56,56,56,56	0
56	MG	2A	3326	1/1	0.86	0.27	64,64,64,64	0
56	MG	1A	3440	1/1	0.86	0.16	50,50,50,50	0
56	MG	2A	3341	1/1	0.86	0.17	52,52,52,52	0
56	MG	1a	1721	1/1	0.86	0.11	58,58,58,58	0
56	MG	2U	202	1/1	0.86	0.13	54,54,54,54	0
56	MG	1a	1603	1/1	0.86	0.10	59,59,59,59	0
56	MG	2a	3226	1/1	0.86	0.26	64,64,64,64	0
56	MG	1A	3823	1/1	0.86	0.20	65,65,65,65	0
56	MG	1A	3343	1/1	0.86	0.25	59,59,59,59	0
56	MG	2a	3231	1/1	0.86	0.11	68,68,68,68	0
56	MG	1B	3019	1/1	0.86	0.15	56,56,56,56	0
56	MG	1A	3245	1/1	0.86	0.20	64,64,64,64	0
56	MG	1a	1755	1/1	0.86	0.11	74,74,74,74	0
56	MG	2A	3421	1/1	0.86	0.21	61,61,61,61	0
56	MG	1a	1760	1/1	0.86	0.09	74,74,74,74	0
56	MG	2j	8002	1/1	0.86	0.13	66,66,66,66	0
56	MG	2l	202	1/1	0.86	0.10	70,70,70,70	0
56	MG	1A	3692	1/1	0.86	0.19	64,64,64,64	0
56	MG	2a	3030	1/1	0.86	0.11	61,61,61,61	0
56	MG	1a	1766	1/1	0.86	0.28	76,76,76,76	0
56	MG	2A	3481	1/1	0.86	0.18	56,56,56,56	0
56	MG	2A	3488	1/1	0.86	0.18	65,65,65,65	0
56	MG	2A	3051	1/1	0.86	0.10	43,43,43,43	0
56	MG	2A	3056	1/1	0.86	0.13	60,60,60,60	0
56	MG	2A	3520	1/1	0.86	0.22	65,65,65,65	0
56	MG	1A	4012	1/1	0.86	0.11	34,34,34,34	0
56	MG	2a	3050	1/1	0.86	0.22	61,61,61,61	0
56	MG	2a	3051	1/1	0.86	0.20	69,69,69,69	0
56	MG	2A	3141	1/1	0.87	0.09	51,51,51,51	0
56	MG	2A	3153	1/1	0.87	0.18	52,52,52,52	0
56	MG	1a	1705	1/1	0.87	0.27	63,63,63,63	0
56	MG	2A	3832	1/1	0.87	0.11	54,54,54,54	0
56	MG	1A	3377	1/1	0.87	0.14	54,54,54,54	0
56	MG	2A	3245	1/1	0.87	0.18	59,59,59,59	0
56	MG	1w	105	1/1	0.87	0.15	87,87,87,87	0
56	MG	2A	3615	1/1	0.87	0.10	51,51,51,51	0
56	MG	2A	3625	1/1	0.87	0.21	69,69,69,69	0
56	MG	1A	3744	1/1	0.87	0.21	74,74,74,74	0
56	MG	1a	1730	1/1	0.87	0.13	80,80,80,80	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3271	1/1	0.87	0.15	49,49,49,49	0
56	MG	2A	3290	1/1	0.87	0.22	50,50,50,50	0
56	MG	1a	1602	1/1	0.87	0.24	72,72,72,72	0
56	MG	1A	3541	1/1	0.87	0.15	73,73,73,73	0
56	MG	2A	3301	1/1	0.87	0.11	60,60,60,60	0
56	MG	2A	3307	1/1	0.87	0.23	68,68,68,68	0
56	MG	1A	3348	1/1	0.87	0.13	62,62,62,62	0
56	MG	1A	3766	1/1	0.87	0.12	47,47,47,47	0
56	MG	2A	3336	1/1	0.87	0.13	53,53,53,53	0
56	MG	2B	3006	1/1	0.87	0.16	59,59,59,59	0
56	MG	1A	3685	1/1	0.87	0.21	60,60,60,60	0
56	MG	1a	1624	1/1	0.87	0.10	50,50,50,50	0
56	MG	2A	3346	1/1	0.87	0.11	54,54,54,54	0
56	MG	2A	3703	1/1	0.87	0.10	47,47,47,47	0
56	MG	1y	3002	1/1	0.87	0.21	75,75,75,75	0
56	MG	1A	3850	1/1	0.87	0.10	53,53,53,53	0
56	MG	2a	3193	1/1	0.87	0.26	73,73,73,73	0
56	MG	2A	3360	1/1	0.87	0.14	63,63,63,63	0
56	MG	1A	3441	1/1	0.87	0.20	56,56,56,56	0
56	MG	1A	3856	1/1	0.87	0.14	47,47,47,47	0
56	MG	1A	3987	1/1	0.87	0.10	32,32,32,32	0
56	MG	1A	3557	1/1	0.87	0.32	60,60,60,60	0
56	MG	2A	3408	1/1	0.87	0.10	51,51,51,51	0
56	MG	2A	3062	1/1	0.87	0.15	61,61,61,61	0
56	MG	2a	3214	1/1	0.87	0.08	91,91,91,91	0
56	MG	2a	3220	1/1	0.87	0.15	66,66,66,66	0
56	MG	2a	3221	1/1	0.87	0.19	60,60,60,60	0
56	MG	2a	3006	1/1	0.87	0.21	74,74,74,74	0
56	MG	2A	3743	1/1	0.87	0.14	75,75,75,75	0
56	MG	2A	3428	1/1	0.87	0.10	52,52,52,52	0
56	MG	2A	3747	1/1	0.87	0.12	51,51,51,51	0
56	MG	1A	3867	1/1	0.87	0.15	69,69,69,69	0
56	MG	2a	3017	1/1	0.87	0.16	66,66,66,66	0
56	MG	1A	3444	1/1	0.87	0.31	63,63,63,63	0
56	MG	2a	3238	1/1	0.87	0.18	62,62,62,62	0
56	MG	2A	3459	1/1	0.87	0.15	62,62,62,62	0
56	MG	1O	206	1/1	0.87	0.17	84,84,84,84	0
56	MG	2A	3470	1/1	0.87	0.17	56,56,56,56	0
56	MG	1a	1674	1/1	0.87	0.29	72,72,72,72	0
56	MG	1a	1676	1/1	0.87	0.29	67,67,67,67	0
56	MG	1a	1677	1/1	0.87	0.19	68,68,68,68	0
56	MG	1A	3312	1/1	0.87	0.30	59,59,59,59	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3799	1/1	0.87	0.21	68,68,68,68	0
56	MG	2A	3507	1/1	0.87	0.19	64,64,64,64	0
56	MG	1A	3623	1/1	0.87	0.16	59,59,59,59	0
56	MG	1A	3723	1/1	0.87	0.09	47,47,47,47	0
56	MG	2A	3812	1/1	0.87	0.10	47,47,47,47	0
56	MG	2a	3058	1/1	0.87	0.36	73,73,73,73	0
56	MG	1A	3428	1/1	0.87	0.11	51,51,51,51	0
56	MG	2A	3553	1/1	0.87	0.13	71,71,71,71	0
56	MG	2A	3119	1/1	0.88	0.13	47,47,47,47	0
56	MG	2A	3795	1/1	0.88	0.12	37,37,37,37	0
56	MG	2A	3123	1/1	0.88	0.13	56,56,56,56	0
56	MG	2A	3500	1/1	0.88	0.16	55,55,55,55	0
56	MG	2A	3805	1/1	0.88	0.17	77,77,77,77	0
56	MG	1A	3821	1/1	0.88	0.13	47,47,47,47	0
56	MG	2a	3064	1/1	0.88	0.18	81,81,81,81	0
56	MG	2a	3069	1/1	0.88	0.12	62,62,62,62	0
56	MG	2A	3505	1/1	0.88	0.14	59,59,59,59	0
56	MG	1B	3035	1/1	0.88	0.10	59,59,59,59	0
56	MG	1E	302	1/1	0.88	0.29	58,58,58,58	0
56	MG	2A	3815	1/1	0.88	0.16	48,48,48,48	0
56	MG	1A	3997	1/1	0.88	0.12	39,39,39,39	0
56	MG	2A	3535	1/1	0.88	0.21	59,59,59,59	0
56	MG	2a	3094	1/1	0.88	0.21	68,68,68,68	0
56	MG	2A	3147	1/1	0.88	0.16	58,58,58,58	0
56	MG	1A	3607	1/1	0.88	0.10	35,35,35,35	0
56	MG	1A	3610	1/1	0.88	0.18	54,54,54,54	0
56	MG	2A	3220	1/1	0.88	0.27	68,68,68,68	0
56	MG	1a	1694	1/1	0.88	0.14	58,58,58,58	0
56	MG	2A	3601	1/1	0.88	0.11	39,39,39,39	0
56	MG	2a	3111	1/1	0.88	0.19	76,76,76,76	0
56	MG	2A	3604	1/1	0.88	0.24	64,64,64,64	0
56	MG	1T	8001	1/1	0.88	0.15	63,63,63,63	0
56	MG	2A	3255	1/1	0.88	0.11	59,59,59,59	0
56	MG	2A	3867	1/1	0.88	0.09	64,64,64,64	0
56	MG	1A	3542	1/1	0.88	0.27	75,75,75,75	0
56	MG	1w	104	1/1	0.88	0.22	69,69,69,69	0
56	MG	1A	3544	1/1	0.88	0.08	47,47,47,47	0
56	MG	1w	106	1/1	0.88	0.26	74,74,74,74	0
56	MG	1A	3512	1/1	0.88	0.10	50,50,50,50	0
56	MG	1a	1709	1/1	0.88	0.13	59,59,59,59	0
56	MG	1A	3472	1/1	0.88	0.13	56,56,56,56	0
56	MG	1A	4049	1/1	0.88	0.11	55,55,55,55	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2B	3002	1/1	0.88	0.09	49,49,49,49	0
56	MG	2A	3305	1/1	0.88	0.12	56,56,56,56	0
56	MG	2a	3182	1/1	0.88	0.17	71,71,71,71	0
56	MG	2a	3187	1/1	0.88	0.17	72,72,72,72	0
56	MG	2a	3190	1/1	0.88	0.16	66,66,66,66	0
56	MG	1a	1726	1/1	0.88	0.39	67,67,67,67	0
56	MG	1x	111	1/1	0.88	0.22	66,66,66,66	0
56	MG	1x	113	1/1	0.88	0.18	62,62,62,62	0
56	MG	2A	3333	1/1	0.88	0.13	55,55,55,55	0
56	MG	1A	3897	1/1	0.88	0.18	62,62,62,62	0
56	MG	1A	3836	1/1	0.88	0.19	54,54,54,54	0
56	MG	1A	3424	1/1	0.88	0.22	70,70,70,70	0
56	MG	2A	3345	1/1	0.88	0.14	59,59,59,59	0
56	MG	1A	3308	1/1	0.88	0.17	51,51,51,51	0
56	MG	1A	4084	1/1	0.88	0.10	50,50,50,50	0
56	MG	2O	8001	1/1	0.88	0.18	65,65,65,65	0
56	MG	1a	1613	1/1	0.88	0.09	74,74,74,74	0
56	MG	1a	1752	1/1	0.88	0.13	68,68,68,68	0
56	MG	2a	3227	1/1	0.88	0.17	59,59,59,59	0
56	MG	1A	4113	1/1	0.88	0.15	56,56,56,56	0
56	MG	1A	3855	1/1	0.88	0.18	53,53,53,53	0
56	MG	2a	3230	1/1	0.88	0.12	63,63,63,63	0
56	MG	1A	3951	1/1	0.88	0.16	72,72,72,72	0
56	MG	2a	3005	1/1	0.88	0.37	75,75,75,75	0
56	MG	2A	3397	1/1	0.88	0.15	54,54,54,54	0
56	MG	2A	3066	1/1	0.88	0.10	41,41,41,41	0
56	MG	2a	3008	1/1	0.88	0.28	68,68,68,68	0
56	MG	2A	3080	1/1	0.88	0.14	58,58,58,58	0
56	MG	2A	3738	1/1	0.88	0.15	59,59,59,59	0
56	MG	2A	3413	1/1	0.88	0.12	56,56,56,56	0
56	MG	1B	3012	1/1	0.88	0.16	55,55,55,55	0
56	MG	1A	3350	1/1	0.88	0.26	59,59,59,59	0
56	MG	2A	3429	1/1	0.88	0.09	65,65,65,65	0
56	MG	2A	3437	1/1	0.88	0.12	67,67,67,67	0
56	MG	2A	3439	1/1	0.88	0.13	60,60,60,60	0
56	MG	1A	3754	1/1	0.88	0.14	48,48,48,48	0
56	MG	1a	1779	1/1	0.88	0.11	65,65,65,65	0
56	MG	1A	3866	1/1	0.88	0.17	46,46,46,46	0
56	MG	2a	3039	1/1	0.88	0.36	73,73,73,73	0
56	MG	1A	3805	1/1	0.88	0.12	54,54,54,54	0
56	MG	2y	3002	1/1	0.88	0.15	64,64,64,64	0
56	MG	2A	3468	1/1	0.88	0.33	59,59,59,59	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1a	1666	1/1	0.88	0.13	59,59,59,59	0
56	MG	2A	3239	1/1	0.89	0.13	52,52,52,52	0
56	MG	1a	1629	1/1	0.89	0.11	57,57,57,57	0
56	MG	1a	1633	1/1	0.89	0.14	60,60,60,60	0
56	MG	1a	1636	1/1	0.89	0.15	67,67,67,67	0
56	MG	2A	3257	1/1	0.89	0.24	65,65,65,65	0
56	MG	1a	1640	1/1	0.89	0.13	58,58,58,58	0
56	MG	1A	4103	1/1	0.89	0.14	67,67,67,67	0
56	MG	2A	3268	1/1	0.89	0.14	63,63,63,63	0
56	MG	1A	3901	1/1	0.89	0.21	43,43,43,43	0
56	MG	2A	3654	1/1	0.89	0.19	62,62,62,62	0
56	MG	2a	3014	1/1	0.89	0.17	64,64,64,64	0
56	MG	2A	3281	1/1	0.89	0.13	63,63,63,63	0
56	MG	2a	3018	1/1	0.89	0.23	65,65,65,65	0
56	MG	2a	3019	1/1	0.89	0.12	57,57,57,57	0
56	MG	2a	3020	1/1	0.89	0.15	71,71,71,71	0
56	MG	2A	3664	1/1	0.89	0.11	54,54,54,54	0
56	MG	2a	3026	1/1	0.89	0.23	64,64,64,64	0
56	MG	2A	3286	1/1	0.89	0.17	55,55,55,55	0
56	MG	2a	3029	1/1	0.89	0.15	67,67,67,67	0
56	MG	1A	3905	1/1	0.89	0.12	46,46,46,46	0
56	MG	2a	3032	1/1	0.89	0.20	60,60,60,60	0
56	MG	1n	102	1/1	0.89	0.29	66,66,66,66	0
56	MG	1a	1661	1/1	0.89	0.20	70,70,70,70	0
56	MG	2A	3693	1/1	0.89	0.09	35,35,35,35	0
56	MG	1A	3703	1/1	0.89	0.11	56,56,56,56	0
56	MG	1A	3315	1/1	0.89	0.25	61,61,61,61	0
56	MG	1B	3016	1/1	0.89	0.13	54,54,54,54	0
56	MG	2A	3702	1/1	0.89	0.07	49,49,49,49	0
56	MG	2A	3322	1/1	0.89	0.14	60,60,60,60	0
56	MG	1A	3926	1/1	0.89	0.17	53,53,53,53	0
56	MG	1A	3344	1/1	0.89	0.22	64,64,64,64	0
56	MG	2A	3332	1/1	0.89	0.13	62,62,62,62	0
56	MG	1A	3571	1/1	0.89	0.10	57,57,57,57	0
56	MG	2a	3059	1/1	0.89	0.21	74,74,74,74	0
56	MG	2A	3718	1/1	0.89	0.16	64,64,64,64	0
56	MG	1B	3025	1/1	0.89	0.16	77,77,77,77	0
56	MG	2A	3340	1/1	0.89	0.11	51,51,51,51	0
56	MG	1B	3028	1/1	0.89	0.07	61,61,61,61	0
56	MG	2a	3070	1/1	0.89	0.14	61,61,61,61	0
56	MG	2A	3733	1/1	0.89	0.13	50,50,50,50	0
56	MG	1a	1683	1/1	0.89	0.13	61,61,61,61	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2a	3081	1/1	0.89	0.12	49,49,49,49	0
56	MG	1a	1688	1/1	0.89	0.24	74,74,74,74	0
56	MG	1A	3218	1/1	0.89	0.16	62,62,62,62	0
56	MG	2A	3350	1/1	0.89	0.19	61,61,61,61	0
56	MG	1A	3833	1/1	0.89	0.14	60,60,60,60	0
56	MG	2A	3745	1/1	0.89	0.14	56,56,56,56	0
56	MG	1A	3598	1/1	0.89	0.12	51,51,51,51	0
56	MG	1A	3504	1/1	0.89	0.12	44,44,44,44	0
56	MG	1A	3983	1/1	0.89	0.13	48,48,48,48	0
56	MG	1F	302	1/1	0.89	0.13	47,47,47,47	0
56	MG	2a	3106	1/1	0.89	0.17	62,62,62,62	0
56	MG	2A	3023	1/1	0.89	0.09	48,48,48,48	0
56	MG	2A	3758	1/1	0.89	0.12	58,58,58,58	0
56	MG	2A	3765	1/1	0.89	0.10	53,53,53,53	0
56	MG	2A	3380	1/1	0.89	0.11	55,55,55,55	0
56	MG	2A	3386	1/1	0.89	0.19	63,63,63,63	0
56	MG	1A	3299	1/1	0.89	0.28	61,61,61,61	0
56	MG	1a	1712	1/1	0.89	0.23	67,67,67,67	0
56	MG	2A	3053	1/1	0.89	0.14	54,54,54,54	0
56	MG	2A	3410	1/1	0.89	0.17	55,55,55,55	0
56	MG	1A	3143	1/1	0.89	0.20	55,55,55,55	0
56	MG	1R	203	1/1	0.89	0.20	47,47,47,47	0
56	MG	2a	3141	1/1	0.89	0.14	94,94,94,94	0
56	MG	2A	3424	1/1	0.89	0.19	50,50,50,50	0
56	MG	2A	3425	1/1	0.89	0.18	58,58,58,58	0
56	MG	2a	3156	1/1	0.89	0.10	69,69,69,69	0
56	MG	1A	3362	1/1	0.89	0.14	54,54,54,54	0
56	MG	2A	3064	1/1	0.89	0.10	51,51,51,51	0
56	MG	2A	3065	1/1	0.89	0.18	57,57,57,57	0
56	MG	1A	3363	1/1	0.89	0.22	60,60,60,60	0
56	MG	2A	3441	1/1	0.89	0.11	51,51,51,51	0
56	MG	1a	1735	1/1	0.89	0.18	57,57,57,57	0
56	MG	1A	3370	1/1	0.89	0.18	57,57,57,57	0
56	MG	2A	3094	1/1	0.89	0.13	44,44,44,44	0
56	MG	2A	3463	1/1	0.89	0.14	57,57,57,57	0
56	MG	2A	3836	1/1	0.89	0.20	42,42,42,42	0
56	MG	1A	4022	1/1	0.89	0.08	72,72,72,72	0
56	MG	1A	3648	1/1	0.89	0.12	55,55,55,55	0
56	MG	2A	3469	1/1	0.89	0.15	55,55,55,55	0
56	MG	13	103	1/1	0.89	0.12	47,47,47,47	0
56	MG	2A	3474	1/1	0.89	0.14	55,55,55,55	0
56	MG	2A	3104	1/1	0.89	0.10	53,53,53,53	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	3783	1/1	0.89	0.14	34,34,34,34	0
56	MG	1a	1751	1/1	0.89	0.16	70,70,70,70	0
56	MG	1A	3665	1/1	0.89	0.12	60,60,60,60	0
56	MG	1a	1601	1/1	0.89	0.10	53,53,53,53	0
56	MG	1A	3667	1/1	0.89	0.11	61,61,61,61	0
56	MG	1A	3322	1/1	0.89	0.18	59,59,59,59	0
56	MG	1a	1605	1/1	0.89	0.10	65,65,65,65	0
56	MG	2A	3521	1/1	0.89	0.12	51,51,51,51	0
56	MG	2A	3130	1/1	0.89	0.15	53,53,53,53	0
56	MG	2A	3906	1/1	0.89	0.35	62,62,62,62	0
56	MG	2B	3001	1/1	0.89	0.16	62,62,62,62	0
56	MG	1a	1770	1/1	0.89	0.16	60,60,60,60	0
56	MG	2a	3237	1/1	0.89	0.32	66,66,66,66	0
56	MG	1A	3268	1/1	0.89	0.30	59,59,59,59	0
56	MG	2A	3544	1/1	0.89	0.10	42,42,42,42	0
56	MG	2d	502	1/1	0.89	0.16	68,68,68,68	0
56	MG	2A	3546	1/1	0.89	0.10	44,44,44,44	0
56	MG	2B	3007	1/1	0.89	0.13	55,55,55,55	0
56	MG	2B	3008	1/1	0.89	0.14	58,58,58,58	0
56	MG	2A	3549	1/1	0.89	0.16	58,58,58,58	0
56	MG	2q	202	1/1	0.89	0.12	78,78,78,78	0
56	MG	2r	102	1/1	0.89	0.13	73,73,73,73	0
56	MG	1A	3687	1/1	0.89	0.11	31,31,31,31	0
56	MG	1A	4068	1/1	0.89	0.14	48,48,48,48	0
56	MG	1A	3545	1/1	0.89	0.13	67,67,67,67	0
56	MG	2A	3579	1/1	0.89	0.17	60,60,60,60	0
56	MG	2A	3186	1/1	0.89	0.16	54,54,54,54	0
56	MG	2A	3206	1/1	0.89	0.19	56,56,56,56	0
56	MG	2A	3605	1/1	0.89	0.12	51,51,51,51	0
56	MG	1A	3471	1/1	0.89	0.19	57,57,57,57	0
56	MG	2A	3228	1/1	0.89	0.29	65,65,65,65	0
56	MG	2T	3003	1/1	0.89	0.17	63,63,63,63	0
56	MG	1A	3418	1/1	0.89	0.13	54,54,54,54	0
58	ZN	24	501	1/1	0.89	0.11	128,128,128,128	0
56	MG	2B	3017	1/1	0.90	0.12	65,65,65,65	0
56	MG	11	103	1/1	0.90	0.09	65,65,65,65	0
56	MG	2A	3168	1/1	0.90	0.19	52,52,52,52	0
56	MG	1A	4007	1/1	0.90	0.08	86,86,86,86	0
56	MG	2A	3171	1/1	0.90	0.11	38,38,38,38	0
56	MG	2A	3177	1/1	0.90	0.21	63,63,63,63	0
56	MG	2A	3572	1/1	0.90	0.09	44,44,44,44	0
56	MG	2A	3573	1/1	0.90	0.09	42,42,42,42	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3178	1/1	0.90	0.16	57,57,57,57	0
56	MG	1A	3831	1/1	0.90	0.28	70,70,70,70	0
56	MG	2W	202	1/1	0.90	0.10	58,58,58,58	0
56	MG	2A	3583	1/1	0.90	0.26	69,69,69,69	0
56	MG	23	101	1/1	0.90	0.15	61,61,61,61	0
56	MG	2A	3590	1/1	0.90	0.13	64,64,64,64	0
56	MG	1a	1767	1/1	0.90	0.14	66,66,66,66	0
56	MG	2A	3603	1/1	0.90	0.10	50,50,50,50	0
56	MG	2A	3218	1/1	0.90	0.14	61,61,61,61	0
56	MG	18	103	1/1	0.90	0.12	72,72,72,72	0
56	MG	1A	3458	1/1	0.90	0.15	54,54,54,54	0
56	MG	1A	3203	1/1	0.90	0.10	50,50,50,50	0
56	MG	1A	3209	1/1	0.90	0.15	68,68,68,68	0
56	MG	1A	3835	1/1	0.90	0.14	59,59,59,59	0
56	MG	1A	3699	1/1	0.90	0.17	64,64,64,64	0
56	MG	2a	3015	1/1	0.90	0.23	62,62,62,62	0
56	MG	2a	3016	1/1	0.90	0.15	66,66,66,66	0
56	MG	2A	3619	1/1	0.90	0.12	37,37,37,37	0
56	MG	1A	3558	1/1	0.90	0.12	52,52,52,52	0
56	MG	1a	1794	1/1	0.90	0.11	52,52,52,52	0
56	MG	1A	4053	1/1	0.90	0.20	37,37,37,37	0
56	MG	2A	3642	1/1	0.90	0.16	47,47,47,47	0
56	MG	2A	3261	1/1	0.90	0.15	59,59,59,59	0
56	MG	2A	3265	1/1	0.90	0.14	59,59,59,59	0
56	MG	1A	3560	1/1	0.90	0.23	55,55,55,55	0
56	MG	1a	1803	1/1	0.90	0.10	73,73,73,73	0
56	MG	2a	3031	1/1	0.90	0.10	49,49,49,49	0
56	MG	1A	3709	1/1	0.90	0.14	52,52,52,52	0
56	MG	2A	3655	1/1	0.90	0.12	65,65,65,65	0
56	MG	2A	3280	1/1	0.90	0.14	54,54,54,54	0
56	MG	2A	3658	1/1	0.90	0.14	55,55,55,55	0
56	MG	1a	1618	1/1	0.90	0.08	48,48,48,48	0
56	MG	2A	3284	1/1	0.90	0.15	59,59,59,59	0
56	MG	2A	3681	1/1	0.90	0.10	50,50,50,50	0
56	MG	2a	3044	1/1	0.90	0.17	57,57,57,57	0
56	MG	2A	3684	1/1	0.90	0.09	44,44,44,44	0
56	MG	2A	3685	1/1	0.90	0.10	53,53,53,53	0
56	MG	1a	1620	1/1	0.90	0.15	66,66,66,66	0
56	MG	1d	502	1/1	0.90	0.28	67,67,67,67	0
56	MG	1a	1623	1/1	0.90	0.11	60,60,60,60	0
56	MG	2a	3056	1/1	0.90	0.21	63,63,63,63	0
56	MG	2a	3057	1/1	0.90	0.19	71,71,71,71	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	4065	1/1	0.90	0.09	51,51,51,51	0
56	MG	1l	203	1/1	0.90	0.12	63,63,63,63	0
56	MG	2A	3304	1/1	0.90	0.15	60,60,60,60	0
56	MG	1A	4066	1/1	0.90	0.11	71,71,71,71	0
56	MG	1A	3711	1/1	0.90	0.10	61,61,61,61	0
56	MG	2a	3065	1/1	0.90	0.09	57,57,57,57	0
56	MG	2a	3067	1/1	0.90	0.36	65,65,65,65	0
56	MG	2A	3313	1/1	0.90	0.25	64,64,64,64	0
56	MG	2A	3709	1/1	0.90	0.10	33,33,33,33	0
56	MG	2A	3314	1/1	0.90	0.11	47,47,47,47	0
56	MG	1a	1630	1/1	0.90	0.09	60,60,60,60	0
56	MG	1A	4071	1/1	0.90	0.07	26,26,26,26	0
56	MG	1A	3564	1/1	0.90	0.07	40,40,40,40	0
56	MG	2A	3717	1/1	0.90	0.11	39,39,39,39	0
56	MG	2a	3088	1/1	0.90	0.17	62,62,62,62	0
56	MG	2A	3331	1/1	0.90	0.08	56,56,56,56	0
56	MG	2a	3091	1/1	0.90	0.18	76,76,76,76	0
56	MG	1A	4074	1/1	0.90	0.12	64,64,64,64	0
56	MG	1w	107	1/1	0.90	0.32	67,67,67,67	0
56	MG	1A	3378	1/1	0.90	0.11	53,53,53,53	0
56	MG	2a	3096	1/1	0.90	0.14	65,65,65,65	0
56	MG	1A	3568	1/1	0.90	0.15	50,50,50,50	0
56	MG	2a	3100	1/1	0.90	0.15	69,69,69,69	0
56	MG	1x	101	1/1	0.90	0.10	56,56,56,56	0
56	MG	1A	3386	1/1	0.90	0.17	54,54,54,54	0
56	MG	2A	3740	1/1	0.90	0.12	53,53,53,53	0
56	MG	1A	4104	1/1	0.90	0.09	30,30,30,30	0
56	MG	1x	104	1/1	0.90	0.23	72,72,72,72	0
56	MG	1A	3737	1/1	0.90	0.13	57,57,57,57	0
56	MG	1A	4116	1/1	0.90	0.11	41,41,41,41	0
56	MG	1A	4120	1/1	0.90	0.13	44,44,44,44	0
56	MG	1A	3581	1/1	0.90	0.17	58,58,58,58	0
56	MG	2A	3753	1/1	0.90	0.19	45,45,45,45	0
56	MG	1B	3006	1/1	0.90	0.23	45,45,45,45	0
56	MG	2a	3130	1/1	0.90	0.38	72,72,72,72	0
56	MG	1A	3745	1/1	0.90	0.14	19,19,19,19	0
56	MG	2a	3135	1/1	0.90	0.13	62,62,62,62	0
56	MG	1A	3406	1/1	0.90	0.16	47,47,47,47	0
56	MG	1y	3003	1/1	0.90	0.25	71,71,71,71	0
56	MG	2A	3759	1/1	0.90	0.09	46,46,46,46	0
56	MG	2a	3145	1/1	0.90	0.08	76,76,76,76	0
56	MG	2a	3146	1/1	0.90	0.13	84,84,84,84	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3764	1/1	0.90	0.13	66,66,66,66	0
56	MG	2A	3381	1/1	0.90	0.11	53,53,53,53	0
56	MG	1A	3595	1/1	0.90	0.12	59,59,59,59	0
56	MG	2A	3387	1/1	0.90	0.18	59,59,59,59	0
56	MG	2A	3393	1/1	0.90	0.09	48,48,48,48	0
56	MG	2A	3008	1/1	0.90	0.11	49,49,49,49	0
56	MG	2a	3174	1/1	0.90	0.13	69,69,69,69	0
56	MG	2a	3178	1/1	0.90	0.12	75,75,75,75	0
56	MG	1a	1682	1/1	0.90	0.09	66,66,66,66	0
56	MG	1A	3323	1/1	0.90	0.14	50,50,50,50	0
56	MG	2A	3798	1/1	0.90	0.14	52,52,52,52	0
56	MG	2A	3042	1/1	0.90	0.12	42,42,42,42	0
56	MG	2A	3412	1/1	0.90	0.19	59,59,59,59	0
56	MG	2A	3045	1/1	0.90	0.11	58,58,58,58	0
56	MG	2a	3197	1/1	0.90	0.10	69,69,69,69	0
56	MG	2A	3050	1/1	0.90	0.08	51,51,51,51	0
56	MG	1A	3412	1/1	0.90	0.17	52,52,52,52	0
56	MG	1B	3021	1/1	0.90	0.12	46,46,46,46	0
56	MG	2A	3426	1/1	0.90	0.17	63,63,63,63	0
56	MG	1a	1691	1/1	0.90	0.23	69,69,69,69	0
56	MG	2a	3205	1/1	0.90	0.26	70,70,70,70	0
56	MG	2A	3818	1/1	0.90	0.18	66,66,66,66	0
56	MG	2a	3209	1/1	0.90	0.21	77,77,77,77	0
56	MG	1A	3770	1/1	0.90	0.09	74,74,74,74	0
56	MG	1A	3325	1/1	0.90	0.22	64,64,64,64	0
56	MG	2a	3219	1/1	0.90	0.11	65,65,65,65	0
56	MG	2A	3438	1/1	0.90	0.25	68,68,68,68	0
56	MG	2A	3827	1/1	0.90	0.14	58,58,58,58	0
56	MG	2a	3224	1/1	0.90	0.19	74,74,74,74	0
56	MG	1A	3618	1/1	0.90	0.14	56,56,56,56	0
56	MG	1A	3215	1/1	0.90	0.14	65,65,65,65	0
56	MG	1A	3918	1/1	0.90	0.12	56,56,56,56	0
56	MG	1A	3513	1/1	0.90	0.13	62,62,62,62	0
56	MG	2A	3458	1/1	0.90	0.17	65,65,65,65	0
56	MG	1A	3304	1/1	0.90	0.27	55,55,55,55	0
56	MG	1A	3643	1/1	0.90	0.08	34,34,34,34	0
56	MG	2a	3233	1/1	0.90	0.14	68,68,68,68	0
56	MG	1a	1719	1/1	0.90	0.28	63,63,63,63	0
56	MG	1a	1720	1/1	0.90	0.20	67,67,67,67	0
56	MG	1A	3645	1/1	0.90	0.10	37,37,37,37	0
56	MG	1a	1722	1/1	0.90	0.15	65,65,65,65	0
56	MG	2A	3471	1/1	0.90	0.22	54,54,54,54	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2a	3242	1/1	0.90	0.17	55,55,55,55	0
56	MG	2A	3110	1/1	0.90	0.10	58,58,58,58	0
56	MG	2g	8001	1/1	0.90	0.11	75,75,75,75	0
56	MG	2A	3477	1/1	0.90	0.35	56,56,56,56	0
56	MG	1A	3525	1/1	0.90	0.21	58,58,58,58	0
56	MG	1O	201	1/1	0.90	0.17	63,63,63,63	0
56	MG	2A	3888	1/1	0.90	0.11	57,57,57,57	0
56	MG	1A	3305	1/1	0.90	0.26	55,55,55,55	0
56	MG	1O	207	1/1	0.90	0.13	65,65,65,65	0
56	MG	2A	3503	1/1	0.90	0.11	58,58,58,58	0
56	MG	1A	3127	1/1	0.90	0.23	51,51,51,51	0
56	MG	1A	3048	1/1	0.90	0.22	48,48,48,48	0
56	MG	1T	8002	1/1	0.90	0.11	58,58,58,58	0
56	MG	2A	3515	1/1	0.90	0.10	55,55,55,55	0
56	MG	1A	3253	1/1	0.90	0.08	61,61,61,61	0
56	MG	2w	107	1/1	0.90	0.12	75,75,75,75	0
56	MG	2A	3134	1/1	0.90	0.15	72,72,72,72	0
56	MG	1A	3679	1/1	0.90	0.15	39,39,39,39	0
56	MG	1A	3110	1/1	0.90	0.09	42,42,42,42	0
56	MG	2B	3011	1/1	0.90	0.24	67,67,67,67	0
56	MG	1A	3188	1/1	0.90	0.10	49,49,49,49	0
56	MG	2A	3541	1/1	0.90	0.07	30,30,30,30	0
56	MG	1A	3026	1/1	0.91	0.15	60,60,60,60	0
56	MG	1A	3182	1/1	0.91	0.14	55,55,55,55	0
56	MG	2A	3317	1/1	0.91	0.11	55,55,55,55	0
56	MG	2A	3321	1/1	0.91	0.18	54,54,54,54	0
56	MG	1A	3870	1/1	0.91	0.11	39,39,39,39	0
56	MG	1x	106	1/1	0.91	0.14	63,63,63,63	0
56	MG	1x	108	1/1	0.91	0.19	63,63,63,63	0
56	MG	1A	3732	1/1	0.91	0.19	64,64,64,64	0
56	MG	1A	4134	1/1	0.91	0.28	46,46,46,46	0
56	MG	2a	3021	1/1	0.91	0.20	65,65,65,65	0
56	MG	1x	112	1/1	0.91	0.16	71,71,71,71	0
56	MG	2A	3335	1/1	0.91	0.14	59,59,59,59	0
56	MG	1A	3572	1/1	0.91	0.09	55,55,55,55	0
56	MG	1A	3878	1/1	0.91	0.12	33,33,33,33	0
56	MG	2A	3695	1/1	0.91	0.13	38,38,38,38	0
56	MG	1A	3278	1/1	0.91	0.10	51,51,51,51	0
56	MG	2A	3698	1/1	0.91	0.08	51,51,51,51	0
56	MG	1A	3361	1/1	0.91	0.09	49,49,49,49	0
56	MG	1B	3014	1/1	0.91	0.08	63,63,63,63	0
56	MG	1A	3285	1/1	0.91	0.17	39,39,39,39	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3348	1/1	0.91	0.14	48,48,48,48	0
56	MG	2A	3708	1/1	0.91	0.10	53,53,53,53	0
56	MG	1A	3597	1/1	0.91	0.15	50,50,50,50	0
56	MG	2A	3001	1/1	0.91	0.15	47,47,47,47	0
56	MG	2A	3006	1/1	0.91	0.24	56,56,56,56	0
56	MG	1A	3484	1/1	0.91	0.11	54,54,54,54	0
56	MG	2A	3018	1/1	0.91	0.14	44,44,44,44	0
56	MG	1A	3756	1/1	0.91	0.09	39,39,39,39	0
56	MG	2A	3366	1/1	0.91	0.08	54,54,54,54	0
56	MG	2a	3054	1/1	0.91	0.14	65,65,65,65	0
56	MG	1A	3089	1/1	0.91	0.12	48,48,48,48	0
56	MG	2A	3378	1/1	0.91	0.12	62,62,62,62	0
56	MG	1A	3904	1/1	0.91	0.12	36,36,36,36	0
56	MG	2A	3731	1/1	0.91	0.14	57,57,57,57	0
56	MG	1A	3189	1/1	0.91	0.23	43,43,43,43	0
56	MG	2A	3734	1/1	0.91	0.11	57,57,57,57	0
56	MG	2A	3384	1/1	0.91	0.11	62,62,62,62	0
56	MG	1a	1701	1/1	0.91	0.24	51,51,51,51	0
56	MG	1A	3489	1/1	0.91	0.11	44,44,44,44	0
56	MG	1A	3192	1/1	0.91	0.12	52,52,52,52	0
56	MG	1B	3034	1/1	0.91	0.11	58,58,58,58	0
56	MG	2A	3398	1/1	0.91	0.23	55,55,55,55	0
56	MG	1a	1707	1/1	0.91	0.35	63,63,63,63	0
56	MG	1a	1708	1/1	0.91	0.20	68,68,68,68	0
56	MG	2A	3063	1/1	0.91	0.17	67,67,67,67	0
56	MG	1A	3505	1/1	0.91	0.10	47,47,47,47	0
56	MG	1a	1710	1/1	0.91	0.35	77,77,77,77	0
56	MG	2A	3420	1/1	0.91	0.14	43,43,43,43	0
56	MG	1D	311	1/1	0.91	0.19	56,56,56,56	0
56	MG	1A	3778	1/1	0.91	0.15	57,57,57,57	0
56	MG	1E	304	1/1	0.91	0.14	55,55,55,55	0
56	MG	2A	3762	1/1	0.91	0.10	52,52,52,52	0
56	MG	1A	3936	1/1	0.91	0.09	31,31,31,31	0
56	MG	1A	3639	1/1	0.91	0.12	41,41,41,41	0
56	MG	1G	3002	1/1	0.91	0.13	56,56,56,56	0
56	MG	2a	3101	1/1	0.91	0.15	56,56,56,56	0
56	MG	1A	3307	1/1	0.91	0.21	45,45,45,45	0
56	MG	1a	1727	1/1	0.91	0.14	49,49,49,49	0
56	MG	2A	3771	1/1	0.91	0.10	39,39,39,39	0
56	MG	2A	3772	1/1	0.91	0.11	53,53,53,53	0
56	MG	1a	1729	1/1	0.91	0.26	61,61,61,61	0
56	MG	1G	3005	1/1	0.91	0.15	66,66,66,66	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2a	3114	1/1	0.91	0.10	51,51,51,51	0
56	MG	2A	3783	1/1	0.91	0.14	58,58,58,58	0
56	MG	2a	3119	1/1	0.91	0.24	71,71,71,71	0
56	MG	2A	3442	1/1	0.91	0.24	50,50,50,50	0
56	MG	1a	1733	1/1	0.91	0.09	58,58,58,58	0
56	MG	2a	3122	1/1	0.91	0.26	73,73,73,73	0
56	MG	2a	3126	1/1	0.91	0.25	69,69,69,69	0
56	MG	1N	201	1/1	0.91	0.34	59,59,59,59	0
56	MG	2A	3801	1/1	0.91	0.09	64,64,64,64	0
56	MG	2a	3129	1/1	0.91	0.14	59,59,59,59	0
56	MG	2A	3455	1/1	0.91	0.25	54,54,54,54	0
56	MG	1A	3787	1/1	0.91	0.11	55,55,55,55	0
56	MG	1A	3955	1/1	0.91	0.10	30,30,30,30	0
56	MG	1A	3788	1/1	0.91	0.17	59,59,59,59	0
56	MG	2A	3465	1/1	0.91	0.25	55,55,55,55	0
56	MG	1A	3966	1/1	0.91	0.14	59,59,59,59	0
56	MG	1A	3096	1/1	0.91	0.19	49,49,49,49	0
56	MG	1A	3100	1/1	0.91	0.14	60,60,60,60	0
56	MG	1A	3016	1/1	0.91	0.18	51,51,51,51	0
56	MG	1A	3124	1/1	0.91	0.22	44,44,44,44	0
56	MG	2A	3472	1/1	0.91	0.18	60,60,60,60	0
56	MG	2A	3823	1/1	0.91	0.10	73,73,73,73	0
56	MG	2a	3165	1/1	0.91	0.10	54,54,54,54	0
56	MG	1a	1757	1/1	0.91	0.14	48,48,48,48	0
56	MG	2A	3475	1/1	0.91	0.10	44,44,44,44	0
56	MG	2A	3152	1/1	0.91	0.10	62,62,62,62	0
56	MG	1A	3649	1/1	0.91	0.10	54,54,54,54	0
56	MG	1A	3232	1/1	0.91	0.15	47,47,47,47	0
56	MG	10	106	1/1	0.91	0.09	65,65,65,65	0
56	MG	2A	3854	1/1	0.91	0.10	77,77,77,77	0
56	MG	1A	3539	1/1	0.91	0.07	49,49,49,49	0
56	MG	2A	3172	1/1	0.91	0.09	47,47,47,47	0
56	MG	2A	3174	1/1	0.91	0.10	53,53,53,53	0
56	MG	2a	3194	1/1	0.91	0.16	68,68,68,68	0
56	MG	1A	4002	1/1	0.91	0.17	33,33,33,33	0
56	MG	1A	4006	1/1	0.91	0.08	76,76,76,76	0
56	MG	2A	3183	1/1	0.91	0.11	56,56,56,56	0
56	MG	2A	3518	1/1	0.91	0.12	52,52,52,52	0
56	MG	16	104	1/1	0.91	0.18	53,53,53,53	0
56	MG	2A	3189	1/1	0.91	0.10	52,52,52,52	0
56	MG	2A	3531	1/1	0.91	0.12	51,51,51,51	0
56	MG	2A	3532	1/1	0.91	0.24	65,65,65,65	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2a	3208	1/1	0.91	0.14	75,75,75,75	0
56	MG	2A	3203	1/1	0.91	0.11	46,46,46,46	0
56	MG	2A	3890	1/1	0.91	0.12	61,61,61,61	0
56	MG	17	101	1/1	0.91	0.13	54,54,54,54	0
56	MG	2a	3215	1/1	0.91	0.17	71,71,71,71	0
56	MG	2a	3218	1/1	0.91	0.16	61,61,61,61	0
56	MG	1A	3822	1/1	0.91	0.10	48,48,48,48	0
56	MG	2A	3894	1/1	0.91	0.12	55,55,55,55	0
56	MG	1A	3420	1/1	0.91	0.21	55,55,55,55	0
56	MG	2A	3910	1/1	0.91	0.18	57,57,57,57	0
56	MG	2A	3224	1/1	0.91	0.12	52,52,52,52	0
56	MG	1A	3053	1/1	0.91	0.12	52,52,52,52	0
56	MG	1A	3247	1/1	0.91	0.12	58,58,58,58	0
56	MG	1A	3425	1/1	0.91	0.10	55,55,55,55	0
56	MG	1A	3058	1/1	0.91	0.11	54,54,54,54	0
56	MG	1A	4036	1/1	0.91	0.09	43,43,43,43	0
56	MG	1a	1813	1/1	0.91	0.14	58,58,58,58	0
56	MG	1A	3552	1/1	0.91	0.14	60,60,60,60	0
56	MG	1A	3148	1/1	0.91	0.23	48,48,48,48	0
56	MG	2a	3235	1/1	0.91	0.12	71,71,71,71	0
56	MG	1a	1828	1/1	0.91	0.12	59,59,59,59	0
56	MG	1A	4052	1/1	0.91	0.10	31,31,31,31	0
56	MG	2A	3592	1/1	0.91	0.20	57,57,57,57	0
56	MG	1A	3696	1/1	0.91	0.11	61,61,61,61	0
56	MG	1A	3698	1/1	0.91	0.11	73,73,73,73	0
56	MG	1A	3328	1/1	0.91	0.16	64,64,64,64	0
56	MG	2e	3001	1/1	0.91	0.11	79,79,79,79	0
56	MG	2D	305	1/1	0.91	0.17	50,50,50,50	0
56	MG	2E	306	1/1	0.91	0.15	67,67,67,67	0
56	MG	1A	3844	1/1	0.91	0.12	54,54,54,54	0
56	MG	1A	3848	1/1	0.91	0.10	56,56,56,56	0
56	MG	1A	3261	1/1	0.91	0.17	55,55,55,55	0
56	MG	1A	3851	1/1	0.91	0.16	62,62,62,62	0
56	MG	2T	3002	1/1	0.91	0.12	58,58,58,58	0
56	MG	2A	3287	1/1	0.91	0.14	55,55,55,55	0
56	MG	1A	3333	1/1	0.91	0.17	52,52,52,52	0
56	MG	1A	3854	1/1	0.91	0.10	51,51,51,51	0
56	MG	2Y	502	1/1	0.91	0.18	54,54,54,54	0
56	MG	2A	3622	1/1	0.91	0.25	63,63,63,63	0
56	MG	1a	1639	1/1	0.91	0.13	62,62,62,62	0
56	MG	1A	3152	1/1	0.91	0.12	55,55,55,55	0
56	MG	1a	1642	1/1	0.91	0.28	67,67,67,67	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	3565	1/1	0.91	0.27	71,71,71,71	0
56	MG	2A	3306	1/1	0.91	0.10	58,58,58,58	0
56	MG	2y	3003	1/1	0.91	0.14	70,70,70,70	0
56	MG	1A	3266	1/1	0.91	0.08	52,52,52,52	0
56	MG	2A	3308	1/1	0.91	0.10	49,49,49,49	0
56	MG	2A	3312	1/1	0.91	0.11	51,51,51,51	0
56	MG	2A	3493	1/1	0.92	0.20	53,53,53,53	0
56	MG	1A	3582	1/1	0.92	0.22	54,54,54,54	0
56	MG	2B	3012	1/1	0.92	0.10	55,55,55,55	0
56	MG	1A	3419	1/1	0.92	0.31	60,60,60,60	0
56	MG	2A	3155	1/1	0.92	0.08	59,59,59,59	0
56	MG	1W	201	1/1	0.92	0.23	57,57,57,57	0
56	MG	1A	3710	1/1	0.92	0.17	68,68,68,68	0
56	MG	1A	4010	1/1	0.92	0.08	26,26,26,26	0
56	MG	2A	3508	1/1	0.92	0.09	60,60,60,60	0
56	MG	2D	301	1/1	0.92	0.10	57,57,57,57	0
56	MG	10	105	1/1	0.92	0.17	70,70,70,70	0
56	MG	2E	302	1/1	0.92	0.09	52,52,52,52	0
56	MG	2E	303	1/1	0.92	0.10	49,49,49,49	0
56	MG	1A	3088	1/1	0.92	0.09	47,47,47,47	0
56	MG	2A	3175	1/1	0.92	0.15	65,65,65,65	0
56	MG	1a	1761	1/1	0.92	0.10	64,64,64,64	0
56	MG	2A	3530	1/1	0.92	0.11	37,37,37,37	0
56	MG	2Q	3001	1/1	0.92	0.09	50,50,50,50	0
56	MG	11	101	1/1	0.92	0.07	38,38,38,38	0
56	MG	2A	3180	1/1	0.92	0.13	51,51,51,51	0
56	MG	2A	3534	1/1	0.92	0.09	40,40,40,40	0
56	MG	1A	4019	1/1	0.92	0.12	42,42,42,42	0
56	MG	2W	201	1/1	0.92	0.14	57,57,57,57	0
56	MG	1A	3712	1/1	0.92	0.06	40,40,40,40	0
56	MG	2W	203	1/1	0.92	0.12	59,59,59,59	0
56	MG	2A	3539	1/1	0.92	0.11	62,62,62,62	0
56	MG	1A	3596	1/1	0.92	0.14	51,51,51,51	0
56	MG	20	3001	1/1	0.92	0.14	59,59,59,59	0
56	MG	2A	3195	1/1	0.92	0.10	56,56,56,56	0
56	MG	25	105	1/1	0.92	0.11	58,58,58,58	0
56	MG	27	101	1/1	0.92	0.15	51,51,51,51	0
56	MG	2A	3197	1/1	0.92	0.27	57,57,57,57	0
56	MG	2A	3198	1/1	0.92	0.09	61,61,61,61	0
56	MG	2a	3004	1/1	0.92	0.21	57,57,57,57	0
56	MG	1a	1771	1/1	0.92	0.10	70,70,70,70	0
56	MG	1A	3840	1/1	0.92	0.11	63,63,63,63	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3555	1/1	0.92	0.10	43,43,43,43	0
56	MG	2A	3556	1/1	0.92	0.14	43,43,43,43	0
56	MG	2A	3560	1/1	0.92	0.12	63,63,63,63	0
56	MG	2A	3209	1/1	0.92	0.12	61,61,61,61	0
56	MG	2A	3217	1/1	0.92	0.24	64,64,64,64	0
56	MG	1A	3310	1/1	0.92	0.15	40,40,40,40	0
56	MG	18	102	1/1	0.92	0.16	50,50,50,50	0
56	MG	1a	1782	1/1	0.92	0.09	79,79,79,79	0
56	MG	2A	3226	1/1	0.92	0.08	58,58,58,58	0
56	MG	2A	3227	1/1	0.92	0.23	57,57,57,57	0
56	MG	1a	1783	1/1	0.92	0.13	83,83,83,83	0
56	MG	2A	3597	1/1	0.92	0.28	61,61,61,61	0
56	MG	2A	3599	1/1	0.92	0.08	51,51,51,51	0
56	MG	2a	3022	1/1	0.92	0.12	72,72,72,72	0
56	MG	1A	3724	1/1	0.92	0.12	58,58,58,58	0
56	MG	1A	3224	1/1	0.92	0.13	50,50,50,50	0
56	MG	2A	3241	1/1	0.92	0.19	56,56,56,56	0
56	MG	1A	4047	1/1	0.92	0.14	50,50,50,50	0
56	MG	2A	3252	1/1	0.92	0.14	52,52,52,52	0
56	MG	1A	3729	1/1	0.92	0.09	42,42,42,42	0
56	MG	1A	3852	1/1	0.92	0.08	33,33,33,33	0
56	MG	1A	3267	1/1	0.92	0.09	57,57,57,57	0
56	MG	1A	4054	1/1	0.92	0.11	81,81,81,81	0
56	MG	1A	3004	1/1	0.92	0.10	34,34,34,34	0
56	MG	2A	3620	1/1	0.92	0.21	65,65,65,65	0
56	MG	2a	3038	1/1	0.92	0.09	68,68,68,68	0
56	MG	2A	3262	1/1	0.92	0.11	57,57,57,57	0
56	MG	1a	1815	1/1	0.92	0.06	64,64,64,64	0
56	MG	1a	1818	1/1	0.92	0.09	54,54,54,54	0
56	MG	1A	3735	1/1	0.92	0.12	41,41,41,41	0
56	MG	2A	3637	1/1	0.92	0.09	42,42,42,42	0
56	MG	2a	3049	1/1	0.92	0.19	55,55,55,55	0
56	MG	2A	3640	1/1	0.92	0.15	45,45,45,45	0
56	MG	2A	3269	1/1	0.92	0.12	53,53,53,53	0
56	MG	1A	3614	1/1	0.92	0.08	39,39,39,39	0
56	MG	2A	3275	1/1	0.92	0.16	58,58,58,58	0
56	MG	1A	3861	1/1	0.92	0.11	33,33,33,33	0
56	MG	1A	3743	1/1	0.92	0.15	60,60,60,60	0
56	MG	2A	3653	1/1	0.92	0.22	58,58,58,58	0
56	MG	1a	1622	1/1	0.92	0.24	62,62,62,62	0
56	MG	1A	3526	1/1	0.92	0.14	53,53,53,53	0
56	MG	1A	3527	1/1	0.92	0.12	40,40,40,40	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	3746	1/1	0.92	0.16	55,55,55,55	0
56	MG	2A	3661	1/1	0.92	0.11	56,56,56,56	0
56	MG	1a	1628	1/1	0.92	0.16	58,58,58,58	0
56	MG	1s	101	1/1	0.92	0.14	65,65,65,65	0
56	MG	2A	3670	1/1	0.92	0.14	70,70,70,70	0
56	MG	2A	3300	1/1	0.92	0.21	55,55,55,55	0
56	MG	2a	3073	1/1	0.92	0.09	66,66,66,66	0
56	MG	2A	3682	1/1	0.92	0.12	70,70,70,70	0
56	MG	1A	3240	1/1	0.92	0.08	35,35,35,35	0
56	MG	1A	3631	1/1	0.92	0.08	32,32,32,32	0
56	MG	1a	1631	1/1	0.92	0.21	54,54,54,54	0
56	MG	1A	3242	1/1	0.92	0.10	43,43,43,43	0
56	MG	1a	1635	1/1	0.92	0.34	75,75,75,75	0
56	MG	1A	3367	1/1	0.92	0.12	57,57,57,57	0
56	MG	2A	3694	1/1	0.92	0.10	51,51,51,51	0
56	MG	2A	3309	1/1	0.92	0.10	53,53,53,53	0
56	MG	2A	3310	1/1	0.92	0.21	62,62,62,62	0
56	MG	1a	1637	1/1	0.92	0.23	68,68,68,68	0
56	MG	1A	3882	1/1	0.92	0.11	36,36,36,36	0
56	MG	1A	3884	1/1	0.92	0.13	48,48,48,48	0
56	MG	1A	3762	1/1	0.92	0.09	60,60,60,60	0
56	MG	1a	1643	1/1	0.92	0.21	61,61,61,61	0
56	MG	1A	4125	1/1	0.92	0.19	54,54,54,54	0
56	MG	2a	3105	1/1	0.92	0.15	45,45,45,45	0
56	MG	1a	1651	1/1	0.92	0.12	56,56,56,56	0
56	MG	1A	3067	1/1	0.92	0.16	51,51,51,51	0
56	MG	1A	3769	1/1	0.92	0.13	29,29,29,29	0
56	MG	1x	110	1/1	0.92	0.11	52,52,52,52	0
56	MG	1B	3003	1/1	0.92	0.15	56,56,56,56	0
56	MG	2a	3115	1/1	0.92	0.14	57,57,57,57	0
56	MG	2A	3334	1/1	0.92	0.25	64,64,64,64	0
56	MG	1A	3445	1/1	0.92	0.31	62,62,62,62	0
56	MG	1A	3298	1/1	0.92	0.09	43,43,43,43	0
56	MG	2A	3339	1/1	0.92	0.11	51,51,51,51	0
56	MG	1A	3900	1/1	0.92	0.15	44,44,44,44	0
56	MG	2a	3124	1/1	0.92	0.20	61,61,61,61	0
56	MG	1A	3450	1/1	0.92	0.14	57,57,57,57	0
56	MG	1a	1671	1/1	0.92	0.25	66,66,66,66	0
56	MG	1A	3169	1/1	0.92	0.21	55,55,55,55	0
56	MG	1B	3017	1/1	0.92	0.18	50,50,50,50	0
56	MG	1A	3779	1/1	0.92	0.11	56,56,56,56	0
56	MG	1A	3465	1/1	0.92	0.14	60,60,60,60	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2a	3132	1/1	0.92	0.24	63,63,63,63	0
56	MG	1a	1679	1/1	0.92	0.10	73,73,73,73	0
56	MG	2A	3742	1/1	0.92	0.10	49,49,49,49	0
56	MG	1a	1681	1/1	0.92	0.14	54,54,54,54	0
56	MG	2A	3359	1/1	0.92	0.09	56,56,56,56	0
56	MG	2A	3017	1/1	0.92	0.21	52,52,52,52	0
56	MG	1A	3382	1/1	0.92	0.11	54,54,54,54	0
56	MG	1B	3022	1/1	0.92	0.15	60,60,60,60	0
56	MG	2a	3149	1/1	0.92	0.08	56,56,56,56	0
56	MG	2a	3151	1/1	0.92	0.09	78,78,78,78	0
56	MG	2a	3152	1/1	0.92	0.08	67,67,67,67	0
56	MG	2A	3751	1/1	0.92	0.11	61,61,61,61	0
56	MG	2A	3365	1/1	0.92	0.12	56,56,56,56	0
56	MG	1A	3302	1/1	0.92	0.21	56,56,56,56	0
56	MG	2A	3367	1/1	0.92	0.21	61,61,61,61	0
56	MG	1A	3392	1/1	0.92	0.16	56,56,56,56	0
56	MG	2A	3376	1/1	0.92	0.11	58,58,58,58	0
56	MG	1A	3682	1/1	0.92	0.12	35,35,35,35	0
56	MG	1A	3399	1/1	0.92	0.10	52,52,52,52	0
56	MG	1a	1695	1/1	0.92	0.41	68,68,68,68	0
56	MG	1B	3030	1/1	0.92	0.12	59,59,59,59	0
56	MG	2a	3185	1/1	0.92	0.10	47,47,47,47	0
56	MG	1a	1697	1/1	0.92	0.18	63,63,63,63	0
56	MG	1A	3947	1/1	0.92	0.08	44,44,44,44	0
56	MG	2A	3060	1/1	0.92	0.19	53,53,53,53	0
56	MG	2A	3394	1/1	0.92	0.16	50,50,50,50	0
56	MG	2A	3396	1/1	0.92	0.08	56,56,56,56	0
56	MG	1B	3033	1/1	0.92	0.11	56,56,56,56	0
56	MG	1a	1703	1/1	0.92	0.30	55,55,55,55	0
56	MG	2A	3404	1/1	0.92	0.07	53,53,53,53	0
56	MG	1A	3798	1/1	0.92	0.08	63,63,63,63	0
56	MG	2A	3797	1/1	0.92	0.13	52,52,52,52	0
56	MG	1A	3686	1/1	0.92	0.11	35,35,35,35	0
56	MG	1A	3476	1/1	0.92	0.13	52,52,52,52	0
56	MG	2A	3067	1/1	0.92	0.09	57,57,57,57	0
56	MG	2A	3068	1/1	0.92	0.11	56,56,56,56	0
56	MG	2A	3071	1/1	0.92	0.10	52,52,52,52	0
56	MG	2A	3072	1/1	0.92	0.07	46,46,46,46	0
56	MG	2A	3422	1/1	0.92	0.10	58,58,58,58	0
56	MG	2A	3811	1/1	0.92	0.08	47,47,47,47	0
56	MG	2A	3074	1/1	0.92	0.18	73,73,73,73	0
56	MG	1A	3689	1/1	0.92	0.12	51,51,51,51	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3088	1/1	0.92	0.09	49,49,49,49	0
56	MG	2A	3816	1/1	0.92	0.16	57,57,57,57	0
56	MG	2a	3222	1/1	0.92	0.14	63,63,63,63	0
56	MG	2A	3427	1/1	0.92	0.07	45,45,45,45	0
56	MG	1A	3963	1/1	0.92	0.15	60,60,60,60	0
56	MG	1A	3404	1/1	0.92	0.16	59,59,59,59	0
56	MG	2A	3430	1/1	0.92	0.07	51,51,51,51	0
56	MG	2A	3432	1/1	0.92	0.11	60,60,60,60	0
56	MG	2A	3434	1/1	0.92	0.11	59,59,59,59	0
56	MG	1A	3808	1/1	0.92	0.10	36,36,36,36	0
56	MG	2A	3097	1/1	0.92	0.07	56,56,56,56	0
56	MG	1a	1713	1/1	0.92	0.09	68,68,68,68	0
56	MG	1F	308	1/1	0.92	0.14	53,53,53,53	0
56	MG	1A	3483	1/1	0.92	0.09	46,46,46,46	0
56	MG	2A	3106	1/1	0.92	0.14	59,59,59,59	0
56	MG	2A	3448	1/1	0.92	0.17	49,49,49,49	0
56	MG	2A	3450	1/1	0.92	0.21	50,50,50,50	0
56	MG	2A	3108	1/1	0.92	0.18	44,44,44,44	0
56	MG	2A	3864	1/1	0.92	0.08	63,63,63,63	0
56	MG	1A	3980	1/1	0.92	0.10	74,74,74,74	0
56	MG	2A	3456	1/1	0.92	0.26	60,60,60,60	0
56	MG	2A	3457	1/1	0.92	0.23	57,57,57,57	0
56	MG	2A	3111	1/1	0.92	0.14	54,54,54,54	0
56	MG	1A	3982	1/1	0.92	0.12	29,29,29,29	0
56	MG	2A	3461	1/1	0.92	0.25	52,52,52,52	0
56	MG	2A	3115	1/1	0.92	0.22	51,51,51,51	0
56	MG	1A	3206	1/1	0.92	0.15	55,55,55,55	0
56	MG	1a	1723	1/1	0.92	0.26	61,61,61,61	0
56	MG	1A	3181	1/1	0.92	0.18	54,54,54,54	0
56	MG	1O	204	1/1	0.92	0.21	58,58,58,58	0
56	MG	1A	3342	1/1	0.92	0.13	57,57,57,57	0
56	MG	1A	3996	1/1	0.92	0.07	43,43,43,43	0
56	MG	1Q	203	1/1	0.92	0.12	64,64,64,64	0
56	MG	1A	3573	1/1	0.92	0.20	60,60,60,60	0
56	MG	1S	3001	1/1	0.92	0.22	51,51,51,51	0
56	MG	1A	3006	1/1	0.92	0.19	57,57,57,57	0
56	MG	2A	3479	1/1	0.92	0.29	54,54,54,54	0
56	MG	2y	3001	1/1	0.92	0.15	59,59,59,59	0
56	MG	1A	4001	1/1	0.92	0.10	17,17,17,17	0
56	MG	2B	3005	1/1	0.92	0.07	53,53,53,53	0
56	MG	2A	3482	1/1	0.92	0.24	63,63,63,63	0
56	MG	2A	3487	1/1	0.92	0.25	62,62,62,62	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3150	1/1	0.92	0.20	39,39,39,39	0
56	MG	2A	3446	1/1	0.93	0.21	45,45,45,45	0
56	MG	1A	3733	1/1	0.93	0.07	52,52,52,52	0
56	MG	1A	3047	1/1	0.93	0.05	21,21,21,21	0
56	MG	2A	3449	1/1	0.93	0.24	47,47,47,47	0
56	MG	1A	3885	1/1	0.93	0.10	37,37,37,37	0
56	MG	2A	3452	1/1	0.93	0.19	42,42,42,42	0
56	MG	1A	3886	1/1	0.93	0.11	57,57,57,57	0
56	MG	2A	3454	1/1	0.93	0.14	58,58,58,58	0
56	MG	2A	3908	1/1	0.93	0.15	44,44,44,44	0
56	MG	1a	1706	1/1	0.93	0.26	60,60,60,60	0
56	MG	1A	3251	1/1	0.93	0.08	58,58,58,58	0
56	MG	1A	3589	1/1	0.93	0.11	52,52,52,52	0
56	MG	1A	3892	1/1	0.93	0.09	39,39,39,39	0
56	MG	1A	3590	1/1	0.93	0.15	37,37,37,37	0
56	MG	1a	1711	1/1	0.93	0.17	65,65,65,65	0
56	MG	2A	3462	1/1	0.93	0.23	59,59,59,59	0
56	MG	1A	3592	1/1	0.93	0.13	21,21,21,21	0
56	MG	2A	3127	1/1	0.93	0.07	50,50,50,50	0
56	MG	2B	3009	1/1	0.93	0.19	61,61,61,61	0
56	MG	1A	3594	1/1	0.93	0.10	31,31,31,31	0
56	MG	1A	3473	1/1	0.93	0.19	50,50,50,50	0
56	MG	1A	3094	1/1	0.93	0.14	52,52,52,52	0
56	MG	1A	3753	1/1	0.93	0.15	34,34,34,34	0
56	MG	1A	3385	1/1	0.93	0.18	58,58,58,58	0
56	MG	2A	3143	1/1	0.93	0.17	56,56,56,56	0
56	MG	1A	3906	1/1	0.93	0.11	51,51,51,51	0
56	MG	1D	302	1/1	0.93	0.19	55,55,55,55	0
56	MG	1A	3907	1/1	0.93	0.15	54,54,54,54	0
56	MG	2A	3478	1/1	0.93	0.09	50,50,50,50	0
56	MG	1A	3908	1/1	0.93	0.26	65,65,65,65	0
56	MG	1A	3256	1/1	0.93	0.08	57,57,57,57	0
56	MG	2A	3161	1/1	0.93	0.13	44,44,44,44	0
56	MG	2A	3484	1/1	0.93	0.11	53,53,53,53	0
56	MG	2A	3485	1/1	0.93	0.17	63,63,63,63	0
56	MG	1E	305	1/1	0.93	0.21	57,57,57,57	0
56	MG	2F	302	1/1	0.93	0.12	53,53,53,53	0
56	MG	1A	3190	1/1	0.93	0.15	39,39,39,39	0
56	MG	2A	3492	1/1	0.93	0.10	54,54,54,54	0
56	MG	2A	3170	1/1	0.93	0.23	54,54,54,54	0
56	MG	2A	3494	1/1	0.93	0.22	50,50,50,50	0
56	MG	1A	3759	1/1	0.93	0.11	24,24,24,24	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1a	1737	1/1	0.93	0.12	66,66,66,66	0
56	MG	2V	201	1/1	0.93	0.08	53,53,53,53	0
56	MG	1F	307	1/1	0.93	0.09	50,50,50,50	0
56	MG	1A	3923	1/1	0.93	0.07	47,47,47,47	0
56	MG	1A	3095	1/1	0.93	0.12	55,55,55,55	0
56	MG	1G	3003	1/1	0.93	0.09	66,66,66,66	0
56	MG	2A	3179	1/1	0.93	0.10	59,59,59,59	0
56	MG	1A	3613	1/1	0.93	0.07	33,33,33,33	0
56	MG	2A	3516	1/1	0.93	0.17	56,56,56,56	0
56	MG	2A	3182	1/1	0.93	0.11	42,42,42,42	0
56	MG	1A	3197	1/1	0.93	0.08	52,52,52,52	0
56	MG	28	101	1/1	0.93	0.10	53,53,53,53	0
56	MG	1I	3001	1/1	0.93	0.12	70,70,70,70	0
56	MG	2a	3001	1/1	0.93	0.11	57,57,57,57	0
56	MG	2A	3528	1/1	0.93	0.15	57,57,57,57	0
56	MG	1A	3943	1/1	0.93	0.08	81,81,81,81	0
56	MG	2A	3194	1/1	0.93	0.23	67,67,67,67	0
56	MG	1N	204	1/1	0.93	0.20	64,64,64,64	0
56	MG	1a	1758	1/1	0.93	0.08	56,56,56,56	0
56	MG	1a	1759	1/1	0.93	0.14	64,64,64,64	0
56	MG	2A	3202	1/1	0.93	0.17	56,56,56,56	0
56	MG	1N	205	1/1	0.93	0.18	57,57,57,57	0
56	MG	2A	3205	1/1	0.93	0.23	52,52,52,52	0
56	MG	1A	3944	1/1	0.93	0.08	60,60,60,60	0
56	MG	1O	202	1/1	0.93	0.13	67,67,67,67	0
56	MG	2A	3210	1/1	0.93	0.09	47,47,47,47	0
56	MG	1A	3616	1/1	0.93	0.10	40,40,40,40	0
56	MG	2A	3552	1/1	0.93	0.10	59,59,59,59	0
56	MG	1A	3265	1/1	0.93	0.21	63,63,63,63	0
56	MG	1A	3494	1/1	0.93	0.09	39,39,39,39	0
56	MG	1A	3625	1/1	0.93	0.07	19,19,19,19	0
56	MG	2A	3225	1/1	0.93	0.13	62,62,62,62	0
56	MG	2A	3561	1/1	0.93	0.09	62,62,62,62	0
56	MG	1Q	205	1/1	0.93	0.12	39,39,39,39	0
56	MG	2a	3027	1/1	0.93	0.09	61,61,61,61	0
56	MG	1a	1774	1/1	0.93	0.09	60,60,60,60	0
56	MG	1A	3959	1/1	0.93	0.12	56,56,56,56	0
56	MG	1a	1777	1/1	0.93	0.16	55,55,55,55	0
56	MG	2A	3231	1/1	0.93	0.10	49,49,49,49	0
56	MG	2A	3235	1/1	0.93	0.15	50,50,50,50	0
56	MG	2A	3588	1/1	0.93	0.06	47,47,47,47	0
56	MG	2A	3238	1/1	0.93	0.17	56,56,56,56	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	3146	1/1	0.93	0.13	36,36,36,36	0
56	MG	1S	3002	1/1	0.93	0.08	49,49,49,49	0
56	MG	2A	3244	1/1	0.93	0.10	54,54,54,54	0
56	MG	1A	3782	1/1	0.93	0.15	25,25,25,25	0
56	MG	2A	3247	1/1	0.93	0.10	51,51,51,51	0
56	MG	2a	3042	1/1	0.93	0.26	58,58,58,58	0
56	MG	1A	3409	1/1	0.93	0.27	60,60,60,60	0
56	MG	2a	3045	1/1	0.93	0.12	65,65,65,65	0
56	MG	2A	3254	1/1	0.93	0.17	53,53,53,53	0
56	MG	1a	1788	1/1	0.93	0.08	69,69,69,69	0
56	MG	1A	3969	1/1	0.93	0.09	66,66,66,66	0
56	MG	1U	203	1/1	0.93	0.24	42,42,42,42	0
56	MG	2A	3258	1/1	0.93	0.20	58,58,58,58	0
56	MG	2a	3052	1/1	0.93	0.11	62,62,62,62	0
56	MG	1a	1793	1/1	0.93	0.09	82,82,82,82	0
56	MG	1A	3784	1/1	0.93	0.07	39,39,39,39	0
56	MG	1A	3506	1/1	0.93	0.07	42,42,42,42	0
56	MG	1X	105	1/1	0.93	0.07	47,47,47,47	0
56	MG	2A	3623	1/1	0.93	0.11	48,48,48,48	0
56	MG	1a	1798	1/1	0.93	0.12	56,56,56,56	0
56	MG	2a	3060	1/1	0.93	0.08	63,63,63,63	0
56	MG	2a	3061	1/1	0.93	0.16	54,54,54,54	0
56	MG	2A	3267	1/1	0.93	0.18	58,58,58,58	0
56	MG	2A	3630	1/1	0.93	0.13	69,69,69,69	0
56	MG	1A	3509	1/1	0.93	0.09	45,45,45,45	0
56	MG	1A	3410	1/1	0.93	0.09	57,57,57,57	0
56	MG	2A	3270	1/1	0.93	0.10	53,53,53,53	0
56	MG	1A	3002	1/1	0.93	0.10	59,59,59,59	0
56	MG	2A	3643	1/1	0.93	0.08	34,34,34,34	0
56	MG	2A	3272	1/1	0.93	0.12	51,51,51,51	0
56	MG	1A	3087	1/1	0.93	0.15	32,32,32,32	0
56	MG	2a	3075	1/1	0.93	0.17	49,49,49,49	0
56	MG	2A	3278	1/1	0.93	0.10	57,57,57,57	0
56	MG	2a	3078	1/1	0.93	0.22	74,74,74,74	0
56	MG	2a	3080	1/1	0.93	0.08	50,50,50,50	0
56	MG	1a	1823	1/1	0.93	0.12	68,68,68,68	0
56	MG	1A	3330	1/1	0.93	0.11	50,50,50,50	0
56	MG	2A	3282	1/1	0.93	0.12	63,63,63,63	0
56	MG	2a	3087	1/1	0.93	0.16	63,63,63,63	0
56	MG	1A	3995	1/1	0.93	0.10	73,73,73,73	0
56	MG	13	101	1/1	0.93	0.11	55,55,55,55	0
56	MG	1A	3270	1/1	0.93	0.15	59,59,59,59	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3659	1/1	0.93	0.08	59,59,59,59	0
56	MG	2A	3288	1/1	0.93	0.07	49,49,49,49	0
56	MG	1b	3001	1/1	0.93	0.07	83,83,83,83	0
56	MG	1b	3002	1/1	0.93	0.13	61,61,61,61	0
56	MG	2a	3097	1/1	0.93	0.14	72,72,72,72	0
56	MG	2A	3294	1/1	0.93	0.09	52,52,52,52	0
56	MG	2A	3671	1/1	0.93	0.07	46,46,46,46	0
56	MG	2A	3672	1/1	0.93	0.14	45,45,45,45	0
56	MG	2A	3673	1/1	0.93	0.13	64,64,64,64	0
56	MG	2A	3674	1/1	0.93	0.13	55,55,55,55	0
56	MG	1A	3659	1/1	0.93	0.06	23,23,23,23	0
56	MG	2A	3299	1/1	0.93	0.10	51,51,51,51	0
56	MG	1A	3999	1/1	0.93	0.12	55,55,55,55	0
56	MG	2a	3109	1/1	0.93	0.27	67,67,67,67	0
56	MG	1A	3422	1/1	0.93	0.14	38,38,38,38	0
56	MG	2A	3303	1/1	0.93	0.09	60,60,60,60	0
56	MG	1A	3666	1/1	0.93	0.10	34,34,34,34	0
56	MG	1A	3154	1/1	0.93	0.20	51,51,51,51	0
56	MG	2a	3116	1/1	0.93	0.18	67,67,67,67	0
56	MG	1A	3810	1/1	0.93	0.14	45,45,45,45	0
56	MG	1A	3813	1/1	0.93	0.14	56,56,56,56	0
56	MG	1A	3814	1/1	0.93	0.15	45,45,45,45	0
56	MG	1w	103	1/1	0.93	0.07	57,57,57,57	0
56	MG	1A	3818	1/1	0.93	0.14	57,57,57,57	0
56	MG	2A	3311	1/1	0.93	0.18	63,63,63,63	0
56	MG	2a	3125	1/1	0.93	0.08	65,65,65,65	0
56	MG	1A	3334	1/1	0.93	0.20	56,56,56,56	0
56	MG	1a	1606	1/1	0.93	0.11	65,65,65,65	0
56	MG	1A	3537	1/1	0.93	0.11	49,49,49,49	0
56	MG	2A	3705	1/1	0.93	0.12	57,57,57,57	0
56	MG	1A	3538	1/1	0.93	0.12	54,54,54,54	0
56	MG	1A	3684	1/1	0.93	0.10	32,32,32,32	0
56	MG	1a	1615	1/1	0.93	0.09	67,67,67,67	0
56	MG	2A	3325	1/1	0.93	0.10	63,63,63,63	0
56	MG	1A	3340	1/1	0.93	0.19	58,58,58,58	0
56	MG	2a	3137	1/1	0.93	0.08	79,79,79,79	0
56	MG	2A	3327	1/1	0.93	0.10	50,50,50,50	0
56	MG	1A	3426	1/1	0.93	0.14	50,50,50,50	0
56	MG	2a	3142	1/1	0.93	0.10	74,74,74,74	0
56	MG	1A	3101	1/1	0.93	0.11	44,44,44,44	0
56	MG	1A	4046	1/1	0.93	0.07	30,30,30,30	0
56	MG	1A	3431	1/1	0.93	0.14	52,52,52,52	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	3690	1/1	0.93	0.06	28,28,28,28	0
56	MG	1A	3281	1/1	0.93	0.11	50,50,50,50	0
56	MG	1a	1626	1/1	0.93	0.15	61,61,61,61	0
56	MG	2a	3153	1/1	0.93	0.09	74,74,74,74	0
56	MG	2A	3337	1/1	0.93	0.10	47,47,47,47	0
56	MG	1A	3436	1/1	0.93	0.10	45,45,45,45	0
56	MG	2a	3158	1/1	0.93	0.08	52,52,52,52	0
56	MG	1A	3438	1/1	0.93	0.13	50,50,50,50	0
56	MG	1A	3839	1/1	0.93	0.09	66,66,66,66	0
56	MG	1A	3219	1/1	0.93	0.09	37,37,37,37	0
56	MG	2A	3343	1/1	0.93	0.09	57,57,57,57	0
56	MG	2A	3344	1/1	0.93	0.12	55,55,55,55	0
56	MG	1A	3064	1/1	0.93	0.14	53,53,53,53	0
56	MG	1A	3231	1/1	0.93	0.19	51,51,51,51	0
56	MG	1A	4067	1/1	0.93	0.08	56,56,56,56	0
56	MG	2A	3349	1/1	0.93	0.12	58,58,58,58	0
56	MG	1A	3352	1/1	0.93	0.18	64,64,64,64	0
56	MG	1A	3301	1/1	0.93	0.10	54,54,54,54	0
56	MG	2A	3004	1/1	0.93	0.14	48,48,48,48	0
56	MG	1A	3448	1/1	0.93	0.19	59,59,59,59	0
56	MG	1A	3114	1/1	0.93	0.16	57,57,57,57	0
56	MG	2A	3010	1/1	0.93	0.14	51,51,51,51	0
56	MG	1A	3454	1/1	0.93	0.08	59,59,59,59	0
56	MG	2A	3760	1/1	0.93	0.19	58,58,58,58	0
56	MG	2A	3761	1/1	0.93	0.17	46,46,46,46	0
56	MG	1A	3570	1/1	0.93	0.08	54,54,54,54	0
56	MG	2a	3202	1/1	0.93	0.14	64,64,64,64	0
56	MG	1a	1648	1/1	0.93	0.11	59,59,59,59	0
56	MG	2A	3024	1/1	0.93	0.11	49,49,49,49	0
56	MG	2A	3369	1/1	0.93	0.10	47,47,47,47	0
56	MG	2a	3207	1/1	0.93	0.12	74,74,74,74	0
56	MG	2A	3768	1/1	0.93	0.10	62,62,62,62	0
56	MG	2A	3370	1/1	0.93	0.15	50,50,50,50	0
56	MG	2A	3372	1/1	0.93	0.17	41,41,41,41	0
56	MG	2a	3211	1/1	0.93	0.17	61,61,61,61	0
56	MG	2A	3029	1/1	0.93	0.11	44,44,44,44	0
56	MG	2A	3035	1/1	0.93	0.07	31,31,31,31	0
56	MG	1A	4087	1/1	0.93	0.18	54,54,54,54	0
56	MG	2A	3774	1/1	0.93	0.09	51,51,51,51	0
56	MG	2A	3777	1/1	0.93	0.10	41,41,41,41	0
56	MG	1A	4092	1/1	0.93	0.18	37,37,37,37	0
56	MG	2A	3781	1/1	0.93	0.10	55,55,55,55	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3043	1/1	0.93	0.08	53,53,53,53	0
56	MG	2A	3794	1/1	0.93	0.08	67,67,67,67	0
56	MG	1A	4093	1/1	0.93	0.31	35,35,35,35	0
56	MG	1A	4095	1/1	0.93	0.08	67,67,67,67	0
56	MG	1a	1662	1/1	0.93	0.09	67,67,67,67	0
56	MG	2A	3392	1/1	0.93	0.07	55,55,55,55	0
56	MG	1A	3715	1/1	0.93	0.12	54,54,54,54	0
56	MG	1A	3859	1/1	0.93	0.14	44,44,44,44	0
56	MG	1A	4109	1/1	0.93	0.14	49,49,49,49	0
56	MG	1A	3116	1/1	0.93	0.13	47,47,47,47	0
56	MG	2A	3809	1/1	0.93	0.08	59,59,59,59	0
56	MG	1A	3719	1/1	0.93	0.10	50,50,50,50	0
56	MG	1A	3722	1/1	0.93	0.14	39,39,39,39	0
56	MG	1A	4123	1/1	0.93	0.12	35,35,35,35	0
56	MG	2a	3239	1/1	0.93	0.10	65,65,65,65	0
56	MG	2A	3407	1/1	0.93	0.15	61,61,61,61	0
56	MG	1A	3183	1/1	0.93	0.08	54,54,54,54	0
56	MG	1A	4131	1/1	0.93	0.13	58,58,58,58	0
56	MG	1A	3306	1/1	0.93	0.24	38,38,38,38	0
56	MG	1A	4137	1/1	0.93	0.07	44,44,44,44	0
56	MG	2A	3414	1/1	0.93	0.15	59,59,59,59	0
56	MG	2A	3419	1/1	0.93	0.09	51,51,51,51	0
56	MG	1A	3576	1/1	0.93	0.21	57,57,57,57	0
56	MG	1A	3872	1/1	0.93	0.11	33,33,33,33	0
56	MG	2q	201	1/1	0.93	0.09	76,76,76,76	0
56	MG	2A	3073	1/1	0.93	0.07	36,36,36,36	0
56	MG	1a	1686	1/1	0.93	0.21	54,54,54,54	0
56	MG	2A	3077	1/1	0.93	0.09	45,45,45,45	0
56	MG	2A	3079	1/1	0.93	0.07	41,41,41,41	0
56	MG	1B	3005	1/1	0.93	0.08	55,55,55,55	0
56	MG	1A	3874	1/1	0.93	0.12	40,40,40,40	0
56	MG	2A	3090	1/1	0.93	0.11	60,60,60,60	0
56	MG	1a	1690	1/1	0.93	0.18	70,70,70,70	0
56	MG	2A	3857	1/1	0.93	0.09	47,47,47,47	0
56	MG	1A	3728	1/1	0.93	0.10	26,26,26,26	0
56	MG	2A	3095	1/1	0.93	0.08	39,39,39,39	0
56	MG	2x	103	1/1	0.93	0.09	64,64,64,64	0
56	MG	2x	104	1/1	0.93	0.17	60,60,60,60	0
56	MG	2A	3436	1/1	0.93	0.10	49,49,49,49	0
56	MG	1B	3009	1/1	0.93	0.14	43,43,43,43	0
56	MG	1B	3010	1/1	0.93	0.24	73,73,73,73	0
56	MG	2y	3004	1/1	0.93	0.13	59,59,59,59	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1B	3011	1/1	0.93	0.11	55,55,55,55	0
56	MG	1A	3580	1/1	0.93	0.15	39,39,39,39	0
56	MG	1A	3185	1/1	0.93	0.12	47,47,47,47	0
56	MG	2A	3907	1/1	0.94	0.09	57,57,57,57	0
56	MG	1A	3452	1/1	0.94	0.21	58,58,58,58	0
56	MG	2A	3909	1/1	0.94	0.11	43,43,43,43	0
56	MG	1A	3971	1/1	0.94	0.11	44,44,44,44	0
56	MG	1A	3453	1/1	0.94	0.11	57,57,57,57	0
56	MG	2A	3486	1/1	0.94	0.35	55,55,55,55	0
56	MG	1A	3976	1/1	0.94	0.09	72,72,72,72	0
56	MG	1a	1775	1/1	0.94	0.10	76,76,76,76	0
56	MG	2A	3490	1/1	0.94	0.09	61,61,61,61	0
56	MG	1A	3979	1/1	0.94	0.10	73,73,73,73	0
56	MG	2A	3213	1/1	0.94	0.10	45,45,45,45	0
56	MG	1A	3023	1/1	0.94	0.18	59,59,59,59	0
56	MG	2A	3498	1/1	0.94	0.08	55,55,55,55	0
56	MG	1A	3455	1/1	0.94	0.08	47,47,47,47	0
56	MG	2A	3219	1/1	0.94	0.10	51,51,51,51	0
56	MG	1a	1781	1/1	0.94	0.08	71,71,71,71	0
56	MG	2B	3013	1/1	0.94	0.12	61,61,61,61	0
56	MG	1A	3129	1/1	0.94	0.18	51,51,51,51	0
56	MG	2B	3015	1/1	0.94	0.11	50,50,50,50	0
56	MG	1A	3459	1/1	0.94	0.12	47,47,47,47	0
56	MG	1A	3990	1/1	0.94	0.12	52,52,52,52	0
56	MG	1A	3346	1/1	0.94	0.16	48,48,48,48	0
56	MG	2A	3510	1/1	0.94	0.12	46,46,46,46	0
56	MG	1A	3131	1/1	0.94	0.10	72,72,72,72	0
56	MG	1A	3790	1/1	0.94	0.07	25,25,25,25	0
56	MG	2D	302	1/1	0.94	0.13	51,51,51,51	0
56	MG	2D	304	1/1	0.94	0.22	45,45,45,45	0
56	MG	1A	3467	1/1	0.94	0.08	45,45,45,45	0
56	MG	1A	3194	1/1	0.94	0.20	43,43,43,43	0
56	MG	1Y	502	1/1	0.94	0.17	59,59,59,59	0
56	MG	2A	3522	1/1	0.94	0.09	59,59,59,59	0
56	MG	1A	3627	1/1	0.94	0.15	62,62,62,62	0
56	MG	2A	3529	1/1	0.94	0.07	43,43,43,43	0
56	MG	1Z	301	1/1	0.94	0.11	56,56,56,56	0
56	MG	2G	3001	1/1	0.94	0.11	51,51,51,51	0
56	MG	2A	3242	1/1	0.94	0.11	52,52,52,52	0
56	MG	1A	3351	1/1	0.94	0.19	49,49,49,49	0
56	MG	1a	1804	1/1	0.94	0.08	77,77,77,77	0
56	MG	2A	3246	1/1	0.94	0.08	65,65,65,65	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1a	1806	1/1	0.94	0.09	66,66,66,66	0
56	MG	1A	3196	1/1	0.94	0.12	59,59,59,59	0
56	MG	2U	203	1/1	0.94	0.20	46,46,46,46	0
56	MG	1A	4003	1/1	0.94	0.08	20,20,20,20	0
56	MG	1A	3637	1/1	0.94	0.11	50,50,50,50	0
56	MG	2A	3543	1/1	0.94	0.06	34,34,34,34	0
56	MG	1A	3353	1/1	0.94	0.25	64,64,64,64	0
56	MG	2X	102	1/1	0.94	0.09	56,56,56,56	0
56	MG	12	101	1/1	0.94	0.11	60,60,60,60	0
56	MG	1A	3134	1/1	0.94	0.10	54,54,54,54	0
56	MG	2A	3550	1/1	0.94	0.15	44,44,44,44	0
56	MG	13	102	1/1	0.94	0.14	53,53,53,53	0
56	MG	23	102	1/1	0.94	0.09	48,48,48,48	0
56	MG	1A	3273	1/1	0.94	0.23	53,53,53,53	0
56	MG	2A	3554	1/1	0.94	0.07	39,39,39,39	0
56	MG	1A	3811	1/1	0.94	0.08	45,45,45,45	0
56	MG	2A	3263	1/1	0.94	0.08	55,55,55,55	0
56	MG	2A	3558	1/1	0.94	0.08	31,31,31,31	0
56	MG	1A	4021	1/1	0.94	0.19	66,66,66,66	0
56	MG	1A	3812	1/1	0.94	0.07	45,45,45,45	0
56	MG	2A	3563	1/1	0.94	0.08	49,49,49,49	0
56	MG	1A	3480	1/1	0.94	0.08	52,52,52,52	0
56	MG	1A	4025	1/1	0.94	0.07	77,77,77,77	0
56	MG	1A	3137	1/1	0.94	0.09	33,33,33,33	0
56	MG	2A	3574	1/1	0.94	0.08	44,44,44,44	0
56	MG	2a	3011	1/1	0.94	0.22	64,64,64,64	0
56	MG	2A	3576	1/1	0.94	0.12	39,39,39,39	0
56	MG	1A	4029	1/1	0.94	0.07	53,53,53,53	0
56	MG	1A	4032	1/1	0.94	0.09	68,68,68,68	0
56	MG	2A	3580	1/1	0.94	0.12	49,49,49,49	0
56	MG	1A	3647	1/1	0.94	0.08	29,29,29,29	0
56	MG	2A	3586	1/1	0.94	0.12	53,53,53,53	0
56	MG	2A	3274	1/1	0.94	0.20	53,53,53,53	0
56	MG	1a	1604	1/1	0.94	0.10	58,58,58,58	0
56	MG	2A	3591	1/1	0.94	0.07	50,50,50,50	0
56	MG	2A	3276	1/1	0.94	0.10	55,55,55,55	0
56	MG	1A	3280	1/1	0.94	0.10	50,50,50,50	0
56	MG	1A	3076	1/1	0.94	0.19	53,53,53,53	0
56	MG	1a	1607	1/1	0.94	0.22	67,67,67,67	0
56	MG	1A	3652	1/1	0.94	0.08	31,31,31,31	0
56	MG	1A	3658	1/1	0.94	0.12	37,37,37,37	0
56	MG	1A	3825	1/1	0.94	0.11	57,57,57,57	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	4051	1/1	0.94	0.09	38,38,38,38	0
56	MG	1A	3369	1/1	0.94	0.13	57,57,57,57	0
56	MG	2A	3289	1/1	0.94	0.09	47,47,47,47	0
56	MG	2A	3611	1/1	0.94	0.11	62,62,62,62	0
56	MG	1A	3660	1/1	0.94	0.17	31,31,31,31	0
56	MG	1A	3207	1/1	0.94	0.13	54,54,54,54	0
56	MG	2A	3616	1/1	0.94	0.08	46,46,46,46	0
56	MG	2A	3617	1/1	0.94	0.10	38,38,38,38	0
56	MG	2A	3292	1/1	0.94	0.09	54,54,54,54	0
56	MG	1A	3491	1/1	0.94	0.12	59,59,59,59	0
56	MG	2a	3041	1/1	0.94	0.19	50,50,50,50	0
56	MG	1x	105	1/1	0.94	0.10	62,62,62,62	0
56	MG	2a	3043	1/1	0.94	0.10	64,64,64,64	0
56	MG	1A	3493	1/1	0.94	0.09	36,36,36,36	0
56	MG	1x	107	1/1	0.94	0.07	61,61,61,61	0
56	MG	1A	4062	1/1	0.94	0.06	14,14,14,14	0
56	MG	2A	3628	1/1	0.94	0.09	52,52,52,52	0
56	MG	2A	3629	1/1	0.94	0.07	43,43,43,43	0
56	MG	2A	3302	1/1	0.94	0.10	66,66,66,66	0
56	MG	2A	3631	1/1	0.94	0.09	39,39,39,39	0
56	MG	1A	3669	1/1	0.94	0.07	34,34,34,34	0
56	MG	1A	3373	1/1	0.94	0.11	52,52,52,52	0
56	MG	1a	1627	1/1	0.94	0.20	55,55,55,55	0
56	MG	1A	3674	1/1	0.94	0.10	39,39,39,39	0
56	MG	1A	3501	1/1	0.94	0.10	51,51,51,51	0
56	MG	1A	4069	1/1	0.94	0.13	42,42,42,42	0
56	MG	1A	4070	1/1	0.94	0.13	56,56,56,56	0
56	MG	1A	3681	1/1	0.94	0.06	34,34,34,34	0
56	MG	1A	3291	1/1	0.94	0.09	59,59,59,59	0
56	MG	1A	4073	1/1	0.94	0.06	42,42,42,42	0
56	MG	1A	3846	1/1	0.94	0.08	53,53,53,53	0
56	MG	1a	1638	1/1	0.94	0.10	58,58,58,58	0
56	MG	1A	3293	1/1	0.94	0.19	50,50,50,50	0
56	MG	2A	3318	1/1	0.94	0.13	48,48,48,48	0
56	MG	1A	4083	1/1	0.94	0.10	44,44,44,44	0
56	MG	1A	3380	1/1	0.94	0.18	48,48,48,48	0
56	MG	2A	3324	1/1	0.94	0.07	41,41,41,41	0
56	MG	2a	3072	1/1	0.94	0.09	53,53,53,53	0
56	MG	1A	3507	1/1	0.94	0.18	51,51,51,51	0
56	MG	2a	3074	1/1	0.94	0.15	63,63,63,63	0
56	MG	2A	3012	1/1	0.94	0.07	39,39,39,39	0
56	MG	2A	3016	1/1	0.94	0.13	61,61,61,61	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2a	3077	1/1	0.94	0.09	61,61,61,61	0
56	MG	1A	4091	1/1	0.94	0.14	49,49,49,49	0
56	MG	1a	1647	1/1	0.94	0.13	65,65,65,65	0
56	MG	1A	3079	1/1	0.94	0.09	57,57,57,57	0
56	MG	2A	3675	1/1	0.94	0.13	55,55,55,55	0
56	MG	2A	3680	1/1	0.94	0.10	62,62,62,62	0
56	MG	1A	3061	1/1	0.94	0.31	62,62,62,62	0
56	MG	1a	1652	1/1	0.94	0.20	63,63,63,63	0
56	MG	2A	3683	1/1	0.94	0.10	62,62,62,62	0
56	MG	2A	3033	1/1	0.94	0.10	42,42,42,42	0
56	MG	1A	3300	1/1	0.94	0.23	61,61,61,61	0
56	MG	1a	1657	1/1	0.94	0.13	57,57,57,57	0
56	MG	1A	4101	1/1	0.94	0.10	39,39,39,39	0
56	MG	1A	4102	1/1	0.94	0.10	45,45,45,45	0
56	MG	1A	3519	1/1	0.94	0.06	49,49,49,49	0
56	MG	1A	3387	1/1	0.94	0.12	54,54,54,54	0
56	MG	1a	1664	1/1	0.94	0.23	62,62,62,62	0
56	MG	2A	3052	1/1	0.94	0.11	58,58,58,58	0
56	MG	1A	4108	1/1	0.94	0.20	48,48,48,48	0
56	MG	2A	3055	1/1	0.94	0.07	46,46,46,46	0
56	MG	1A	3857	1/1	0.94	0.14	48,48,48,48	0
56	MG	1a	1668	1/1	0.94	0.20	67,67,67,67	0
56	MG	1A	3391	1/1	0.94	0.09	41,41,41,41	0
56	MG	1A	3103	1/1	0.94	0.06	38,38,38,38	0
56	MG	1A	3697	1/1	0.94	0.10	51,51,51,51	0
56	MG	2A	3358	1/1	0.94	0.07	65,65,65,65	0
56	MG	1a	1673	1/1	0.94	0.21	67,67,67,67	0
56	MG	1A	3398	1/1	0.94	0.17	58,58,58,58	0
56	MG	1a	1675	1/1	0.94	0.10	60,60,60,60	0
56	MG	2A	3363	1/1	0.94	0.29	65,65,65,65	0
56	MG	2a	3118	1/1	0.94	0.10	65,65,65,65	0
56	MG	1A	3104	1/1	0.94	0.16	40,40,40,40	0
56	MG	1A	3400	1/1	0.94	0.14	54,54,54,54	0
56	MG	1A	3705	1/1	0.94	0.09	42,42,42,42	0
56	MG	2A	3721	1/1	0.94	0.07	46,46,46,46	0
56	MG	1A	4135	1/1	0.94	0.11	44,44,44,44	0
56	MG	1A	3402	1/1	0.94	0.17	54,54,54,54	0
56	MG	2A	3730	1/1	0.94	0.09	43,43,43,43	0
56	MG	1A	3221	1/1	0.94	0.15	55,55,55,55	0
56	MG	1a	1684	1/1	0.94	0.19	60,60,60,60	0
56	MG	1A	3155	1/1	0.94	0.15	47,47,47,47	0
56	MG	2A	3736	1/1	0.94	0.16	67,67,67,67	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3375	1/1	0.94	0.10	52,52,52,52	0
56	MG	1a	1687	1/1	0.94	0.11	50,50,50,50	0
56	MG	2A	3082	1/1	0.94	0.09	50,50,50,50	0
56	MG	2A	3379	1/1	0.94	0.07	53,53,53,53	0
56	MG	2A	3085	1/1	0.94	0.10	44,44,44,44	0
56	MG	1A	3877	1/1	0.94	0.06	39,39,39,39	0
56	MG	1A	3540	1/1	0.94	0.18	52,52,52,52	0
56	MG	1A	3226	1/1	0.94	0.10	47,47,47,47	0
56	MG	1A	3227	1/1	0.94	0.10	42,42,42,42	0
56	MG	2A	3388	1/1	0.94	0.10	56,56,56,56	0
56	MG	2A	3749	1/1	0.94	0.08	48,48,48,48	0
56	MG	1A	3543	1/1	0.94	0.16	73,73,73,73	0
56	MG	2A	3752	1/1	0.94	0.17	61,61,61,61	0
56	MG	1A	3163	1/1	0.94	0.23	52,52,52,52	0
56	MG	1A	3028	1/1	0.94	0.09	34,34,34,34	0
56	MG	2A	3098	1/1	0.94	0.07	49,49,49,49	0
56	MG	1B	3013	1/1	0.94	0.07	55,55,55,55	0
56	MG	1A	3416	1/1	0.94	0.10	47,47,47,47	0
56	MG	2A	3399	1/1	0.94	0.13	60,60,60,60	0
56	MG	2a	3164	1/1	0.94	0.09	73,73,73,73	0
56	MG	2A	3402	1/1	0.94	0.11	50,50,50,50	0
56	MG	2A	3403	1/1	0.94	0.22	60,60,60,60	0
56	MG	2a	3170	1/1	0.94	0.07	80,80,80,80	0
56	MG	2A	3103	1/1	0.94	0.20	42,42,42,42	0
56	MG	2a	3172	1/1	0.94	0.07	66,66,66,66	0
56	MG	1A	3417	1/1	0.94	0.12	51,51,51,51	0
56	MG	2a	3176	1/1	0.94	0.08	62,62,62,62	0
56	MG	2a	3177	1/1	0.94	0.07	67,67,67,67	0
56	MG	2A	3105	1/1	0.94	0.09	51,51,51,51	0
56	MG	1A	3236	1/1	0.94	0.21	37,37,37,37	0
56	MG	2a	3180	1/1	0.94	0.07	73,73,73,73	0
56	MG	2A	3767	1/1	0.94	0.09	56,56,56,56	0
56	MG	1A	3165	1/1	0.94	0.15	48,48,48,48	0
56	MG	1A	3166	1/1	0.94	0.19	38,38,38,38	0
56	MG	1A	3730	1/1	0.94	0.10	43,43,43,43	0
56	MG	1A	3421	1/1	0.94	0.08	46,46,46,46	0
56	MG	1A	3034	1/1	0.94	0.13	45,45,45,45	0
56	MG	1A	3246	1/1	0.94	0.11	58,58,58,58	0
56	MG	2a	3196	1/1	0.94	0.11	64,64,64,64	0
56	MG	1A	3180	1/1	0.94	0.11	36,36,36,36	0
56	MG	1A	3250	1/1	0.94	0.09	49,49,49,49	0
56	MG	1A	3742	1/1	0.94	0.08	64,64,64,64	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	3115	1/1	0.94	0.17	57,57,57,57	0
56	MG	2A	3782	1/1	0.94	0.05	51,51,51,51	0
56	MG	1a	1715	1/1	0.94	0.12	49,49,49,49	0
56	MG	2A	3784	1/1	0.94	0.06	47,47,47,47	0
56	MG	2A	3786	1/1	0.94	0.06	48,48,48,48	0
56	MG	2A	3788	1/1	0.94	0.07	53,53,53,53	0
56	MG	2A	3790	1/1	0.94	0.15	65,65,65,65	0
56	MG	1a	1717	1/1	0.94	0.12	64,64,64,64	0
56	MG	1A	3909	1/1	0.94	0.08	40,40,40,40	0
56	MG	2A	3796	1/1	0.94	0.09	49,49,49,49	0
56	MG	1A	3326	1/1	0.94	0.14	41,41,41,41	0
56	MG	1A	3430	1/1	0.94	0.08	47,47,47,47	0
56	MG	2A	3431	1/1	0.94	0.14	62,62,62,62	0
56	MG	1A	3090	1/1	0.94	0.19	54,54,54,54	0
56	MG	1D	305	1/1	0.94	0.09	42,42,42,42	0
56	MG	2A	3435	1/1	0.94	0.06	49,49,49,49	0
56	MG	1D	309	1/1	0.94	0.07	46,46,46,46	0
56	MG	2A	3148	1/1	0.94	0.14	52,52,52,52	0
56	MG	2A	3149	1/1	0.94	0.25	54,54,54,54	0
56	MG	1A	3920	1/1	0.94	0.09	44,44,44,44	0
56	MG	2A	3151	1/1	0.94	0.11	40,40,40,40	0
56	MG	2A	3813	1/1	0.94	0.12	48,48,48,48	0
56	MG	1A	3921	1/1	0.94	0.10	50,50,50,50	0
56	MG	2A	3444	1/1	0.94	0.16	49,49,49,49	0
56	MG	1A	3748	1/1	0.94	0.14	25,25,25,25	0
56	MG	1A	3329	1/1	0.94	0.10	43,43,43,43	0
56	MG	2A	3158	1/1	0.94	0.07	41,41,41,41	0
56	MG	2A	3159	1/1	0.94	0.18	53,53,53,53	0
56	MG	1E	306	1/1	0.94	0.09	31,31,31,31	0
56	MG	2A	3167	1/1	0.94	0.14	52,52,52,52	0
56	MG	1A	3435	1/1	0.94	0.09	53,53,53,53	0
56	MG	1E	311	1/1	0.94	0.14	42,42,42,42	0
56	MG	1A	3254	1/1	0.94	0.14	53,53,53,53	0
56	MG	2A	3834	1/1	0.94	0.07	40,40,40,40	0
56	MG	1F	303	1/1	0.94	0.10	38,38,38,38	0
56	MG	2a	3243	1/1	0.94	0.16	64,64,64,64	0
56	MG	1F	306	1/1	0.94	0.12	53,53,53,53	0
56	MG	2A	3842	1/1	0.94	0.09	59,59,59,59	0
56	MG	2A	3843	1/1	0.94	0.13	58,58,58,58	0
56	MG	2i	8001	1/1	0.94	0.06	51,51,51,51	0
56	MG	2A	3173	1/1	0.94	0.07	51,51,51,51	0
56	MG	1A	3939	1/1	0.94	0.11	53,53,53,53	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3460	1/1	0.94	0.25	64,64,64,64	0
56	MG	1A	3117	1/1	0.94	0.21	39,39,39,39	0
56	MG	1A	3583	1/1	0.94	0.16	42,42,42,42	0
56	MG	1A	3184	1/1	0.94	0.14	62,62,62,62	0
56	MG	2r	101	1/1	0.94	0.09	68,68,68,68	0
56	MG	1A	3760	1/1	0.94	0.12	35,35,35,35	0
56	MG	1a	1756	1/1	0.94	0.22	72,72,72,72	0
56	MG	2A	3866	1/1	0.94	0.09	42,42,42,42	0
56	MG	1A	3260	1/1	0.94	0.09	39,39,39,39	0
56	MG	1A	3335	1/1	0.94	0.32	62,62,62,62	0
56	MG	2A	3185	1/1	0.94	0.07	45,45,45,45	0
56	MG	1A	3337	1/1	0.94	0.14	48,48,48,48	0
56	MG	1N	202	1/1	0.94	0.09	48,48,48,48	0
56	MG	2A	3191	1/1	0.94	0.15	50,50,50,50	0
56	MG	1A	3338	1/1	0.94	0.12	49,49,49,49	0
56	MG	2A	3886	1/1	0.94	0.18	45,45,45,45	0
56	MG	2A	3476	1/1	0.94	0.10	41,41,41,41	0
56	MG	1A	3772	1/1	0.94	0.07	36,36,36,36	0
56	MG	2A	3196	1/1	0.94	0.10	56,56,56,56	0
56	MG	1A	3119	1/1	0.94	0.09	51,51,51,51	0
56	MG	2A	3480	1/1	0.94	0.28	65,65,65,65	0
56	MG	2A	3899	1/1	0.94	0.12	45,45,45,45	0
56	MG	2A	3903	1/1	0.94	0.11	58,58,58,58	0
56	MG	1A	3070	1/1	0.94	0.15	41,41,41,41	0
58	ZN	2n	501	1/1	0.94	0.08	107,107,107,107	0
56	MG	2A	3208	1/1	0.95	0.16	57,57,57,57	0
56	MG	2A	3885	1/1	0.95	0.18	54,54,54,54	0
56	MG	1A	3992	1/1	0.95	0.12	75,75,75,75	0
56	MG	1Q	204	1/1	0.95	0.08	51,51,51,51	0
56	MG	2A	3889	1/1	0.95	0.10	49,49,49,49	0
56	MG	1A	3993	1/1	0.95	0.07	37,37,37,37	0
56	MG	2A	3891	1/1	0.95	0.12	71,71,71,71	0
56	MG	2A	3214	1/1	0.95	0.07	56,56,56,56	0
56	MG	2A	3216	1/1	0.95	0.12	56,56,56,56	0
56	MG	1Q	206	1/1	0.95	0.06	54,54,54,54	0
56	MG	2A	3495	1/1	0.95	0.07	51,51,51,51	0
56	MG	2A	3900	1/1	0.95	0.15	44,44,44,44	0
56	MG	1A	3208	1/1	0.95	0.08	55,55,55,55	0
56	MG	1a	1778	1/1	0.95	0.08	64,64,64,64	0
56	MG	1A	3655	1/1	0.95	0.07	39,39,39,39	0
56	MG	1A	3514	1/1	0.95	0.12	53,53,53,53	0
56	MG	1S	3003	1/1	0.95	0.08	59,59,59,59	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	3158	1/1	0.95	0.11	56,56,56,56	0
56	MG	1A	3210	1/1	0.95	0.08	42,42,42,42	0
56	MG	1A	3809	1/1	0.95	0.15	51,51,51,51	0
56	MG	2A	3509	1/1	0.95	0.10	38,38,38,38	0
56	MG	1A	3664	1/1	0.95	0.07	48,48,48,48	0
56	MG	2A	3230	1/1	0.95	0.11	48,48,48,48	0
56	MG	1V	202	1/1	0.95	0.18	53,53,53,53	0
56	MG	2A	3232	1/1	0.95	0.14	64,64,64,64	0
56	MG	2A	3234	1/1	0.95	0.09	52,52,52,52	0
56	MG	1A	3339	1/1	0.95	0.11	51,51,51,51	0
56	MG	2A	3236	1/1	0.95	0.08	53,53,53,53	0
56	MG	2A	3527	1/1	0.95	0.06	31,31,31,31	0
56	MG	1A	3121	1/1	0.95	0.13	43,43,43,43	0
56	MG	1W	204	1/1	0.95	0.10	40,40,40,40	0
56	MG	1A	3216	1/1	0.95	0.20	50,50,50,50	0
56	MG	1A	3529	1/1	0.95	0.15	43,43,43,43	0
56	MG	2A	3243	1/1	0.95	0.11	52,52,52,52	0
56	MG	2A	3533	1/1	0.95	0.10	48,48,48,48	0
56	MG	2B	3018	1/1	0.95	0.08	65,65,65,65	0
56	MG	1A	3816	1/1	0.95	0.10	49,49,49,49	0
56	MG	1Y	504	1/1	0.95	0.18	48,48,48,48	0
56	MG	1A	3123	1/1	0.95	0.12	54,54,54,54	0
56	MG	2A	3537	1/1	0.95	0.06	35,35,35,35	0
56	MG	1a	1812	1/1	0.95	0.09	70,70,70,70	0
56	MG	2A	3249	1/1	0.95	0.10	57,57,57,57	0
56	MG	1A	3025	1/1	0.95	0.09	41,41,41,41	0
56	MG	1Z	303	1/1	0.95	0.06	56,56,56,56	0
56	MG	10	101	1/1	0.95	0.11	63,63,63,63	0
56	MG	2E	304	1/1	0.95	0.17	46,46,46,46	0
56	MG	2E	305	1/1	0.95	0.10	40,40,40,40	0
56	MG	2A	3545	1/1	0.95	0.11	52,52,52,52	0
56	MG	10	104	1/1	0.95	0.20	64,64,64,64	0
56	MG	1A	3675	1/1	0.95	0.15	32,32,32,32	0
56	MG	2E	309	1/1	0.95	0.10	60,60,60,60	0
56	MG	2F	301	1/1	0.95	0.15	58,58,58,58	0
56	MG	1A	3676	1/1	0.95	0.12	24,24,24,24	0
56	MG	1A	3677	1/1	0.95	0.10	29,29,29,29	0
56	MG	2N	8001	1/1	0.95	0.05	47,47,47,47	0
56	MG	1A	3678	1/1	0.95	0.07	61,61,61,61	0
56	MG	1A	3102	1/1	0.95	0.09	54,54,54,54	0
56	MG	2Q	3002	1/1	0.95	0.08	44,44,44,44	0
56	MG	2R	201	1/1	0.95	0.09	48,48,48,48	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	3680	1/1	0.95	0.14	44,44,44,44	0
56	MG	1A	3427	1/1	0.95	0.09	44,44,44,44	0
56	MG	2A	3557	1/1	0.95	0.08	45,45,45,45	0
56	MG	1A	3167	1/1	0.95	0.09	41,41,41,41	0
56	MG	2A	3559	1/1	0.95	0.10	39,39,39,39	0
56	MG	2U	204	1/1	0.95	0.14	45,45,45,45	0
56	MG	15	102	1/1	0.95	0.08	39,39,39,39	0
56	MG	1A	3225	1/1	0.95	0.17	52,52,52,52	0
56	MG	16	101	1/1	0.95	0.09	45,45,45,45	0
56	MG	2A	3565	1/1	0.95	0.07	36,36,36,36	0
56	MG	1A	4037	1/1	0.95	0.10	62,62,62,62	0
56	MG	2X	103	1/1	0.95	0.10	46,46,46,46	0
56	MG	2A	3569	1/1	0.95	0.09	49,49,49,49	0
56	MG	2A	3571	1/1	0.95	0.07	35,35,35,35	0
56	MG	1t	3001	1/1	0.95	0.12	58,58,58,58	0
56	MG	20	3003	1/1	0.95	0.10	58,58,58,58	0
56	MG	1A	4043	1/1	0.95	0.07	50,50,50,50	0
56	MG	2A	3273	1/1	0.95	0.07	51,51,51,51	0
56	MG	25	101	1/1	0.95	0.23	55,55,55,55	0
56	MG	18	101	1/1	0.95	0.16	47,47,47,47	0
56	MG	1A	3128	1/1	0.95	0.21	41,41,41,41	0
56	MG	1A	4045	1/1	0.95	0.07	38,38,38,38	0
56	MG	1A	3171	1/1	0.95	0.23	53,53,53,53	0
56	MG	2A	3582	1/1	0.95	0.06	51,51,51,51	0
56	MG	2a	3002	1/1	0.95	0.07	50,50,50,50	0
56	MG	2A	3279	1/1	0.95	0.10	53,53,53,53	0
56	MG	1A	3294	1/1	0.95	0.16	52,52,52,52	0
56	MG	1A	4048	1/1	0.95	0.07	48,48,48,48	0
56	MG	1A	3354	1/1	0.95	0.15	68,68,68,68	0
56	MG	2A	3283	1/1	0.95	0.10	61,61,61,61	0
56	MG	1A	3437	1/1	0.95	0.07	52,52,52,52	0
56	MG	2A	3596	1/1	0.95	0.08	47,47,47,47	0
56	MG	2A	3285	1/1	0.95	0.06	49,49,49,49	0
56	MG	1A	3841	1/1	0.95	0.09	27,27,27,27	0
56	MG	1A	3842	1/1	0.95	0.11	26,26,26,26	0
56	MG	1A	3546	1/1	0.95	0.11	45,45,45,45	0
56	MG	1a	1608	1/1	0.95	0.12	60,60,60,60	0
56	MG	1A	4055	1/1	0.95	0.05	33,33,33,33	0
56	MG	1A	4059	1/1	0.95	0.06	21,21,21,21	0
56	MG	1A	3230	1/1	0.95	0.17	60,60,60,60	0
56	MG	1A	3847	1/1	0.95	0.08	48,48,48,48	0
56	MG	1a	1616	1/1	0.95	0.09	55,55,55,55	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3612	1/1	0.95	0.08	39,39,39,39	0
56	MG	2A	3613	1/1	0.95	0.09	33,33,33,33	0
56	MG	2A	3297	1/1	0.95	0.16	51,51,51,51	0
56	MG	1A	3693	1/1	0.95	0.13	40,40,40,40	0
56	MG	1A	4063	1/1	0.95	0.07	57,57,57,57	0
56	MG	1A	4064	1/1	0.95	0.08	66,66,66,66	0
56	MG	1A	3062	1/1	0.95	0.27	59,59,59,59	0
56	MG	1A	3130	1/1	0.95	0.10	41,41,41,41	0
56	MG	1A	3442	1/1	0.95	0.09	56,56,56,56	0
56	MG	1A	3235	1/1	0.95	0.14	66,66,66,66	0
56	MG	1A	3364	1/1	0.95	0.16	64,64,64,64	0
56	MG	1A	3700	1/1	0.95	0.07	16,16,16,16	0
56	MG	2a	3035	1/1	0.95	0.25	63,63,63,63	0
56	MG	2A	3627	1/1	0.95	0.10	50,50,50,50	0
56	MG	1A	3563	1/1	0.95	0.13	43,43,43,43	0
56	MG	1A	3704	1/1	0.95	0.10	49,49,49,49	0
56	MG	1A	3858	1/1	0.95	0.04	30,30,30,30	0
56	MG	1A	3029	1/1	0.95	0.10	38,38,38,38	0
56	MG	1A	3447	1/1	0.95	0.06	46,46,46,46	0
56	MG	1A	4078	1/1	0.95	0.10	41,41,41,41	0
56	MG	2A	3638	1/1	0.95	0.12	43,43,43,43	0
56	MG	1A	3238	1/1	0.95	0.14	57,57,57,57	0
56	MG	2A	3641	1/1	0.95	0.10	57,57,57,57	0
56	MG	2A	3315	1/1	0.95	0.11	54,54,54,54	0
56	MG	2a	3047	1/1	0.95	0.12	52,52,52,52	0
56	MG	1A	3865	1/1	0.95	0.33	43,43,43,43	0
56	MG	1A	3567	1/1	0.95	0.10	54,54,54,54	0
56	MG	2A	3645	1/1	0.95	0.07	40,40,40,40	0
56	MG	2A	3320	1/1	0.95	0.20	54,54,54,54	0
56	MG	1A	4088	1/1	0.95	0.10	57,57,57,57	0
56	MG	1A	4090	1/1	0.95	0.14	37,37,37,37	0
56	MG	2A	3651	1/1	0.95	0.15	44,44,44,44	0
56	MG	1a	1641	1/1	0.95	0.14	58,58,58,58	0
56	MG	2A	3028	1/1	0.95	0.07	54,54,54,54	0
56	MG	1A	3132	1/1	0.95	0.09	40,40,40,40	0
56	MG	2A	3030	1/1	0.95	0.07	51,51,51,51	0
56	MG	2A	3329	1/1	0.95	0.11	56,56,56,56	0
56	MG	1A	3869	1/1	0.95	0.08	56,56,56,56	0
56	MG	2A	3034	1/1	0.95	0.08	45,45,45,45	0
56	MG	2A	3662	1/1	0.95	0.10	48,48,48,48	0
56	MG	2A	3663	1/1	0.95	0.10	64,64,64,64	0
56	MG	1a	1644	1/1	0.95	0.14	66,66,66,66	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3665	1/1	0.95	0.07	52,52,52,52	0
56	MG	2a	3068	1/1	0.95	0.18	72,72,72,72	0
56	MG	2A	3036	1/1	0.95	0.09	54,54,54,54	0
56	MG	1A	3569	1/1	0.95	0.10	54,54,54,54	0
56	MG	1a	1646	1/1	0.95	0.07	51,51,51,51	0
56	MG	1A	3451	1/1	0.95	0.09	47,47,47,47	0
56	MG	1A	4097	1/1	0.95	0.07	47,47,47,47	0
56	MG	2A	3338	1/1	0.95	0.24	62,62,62,62	0
56	MG	1a	1649	1/1	0.95	0.13	45,45,45,45	0
56	MG	2A	3676	1/1	0.95	0.11	48,48,48,48	0
56	MG	2A	3678	1/1	0.95	0.07	49,49,49,49	0
56	MG	1A	4100	1/1	0.95	0.07	47,47,47,47	0
56	MG	2a	3079	1/1	0.95	0.17	59,59,59,59	0
56	MG	1A	3133	1/1	0.95	0.08	44,44,44,44	0
56	MG	1A	3374	1/1	0.95	0.17	55,55,55,55	0
56	MG	2A	3054	1/1	0.95	0.09	54,54,54,54	0
56	MG	2a	3084	1/1	0.95	0.07	44,44,44,44	0
56	MG	1A	3721	1/1	0.95	0.09	57,57,57,57	0
56	MG	1a	1659	1/1	0.95	0.21	62,62,62,62	0
56	MG	2A	3057	1/1	0.95	0.07	46,46,46,46	0
56	MG	1A	3376	1/1	0.95	0.10	51,51,51,51	0
56	MG	2A	3688	1/1	0.95	0.06	38,38,38,38	0
56	MG	2A	3689	1/1	0.95	0.16	71,71,71,71	0
56	MG	2A	3059	1/1	0.95	0.10	46,46,46,46	0
56	MG	1A	4105	1/1	0.95	0.11	44,44,44,44	0
56	MG	2A	3351	1/1	0.95	0.16	54,54,54,54	0
56	MG	2A	3061	1/1	0.95	0.07	49,49,49,49	0
56	MG	1A	3244	1/1	0.95	0.07	49,49,49,49	0
56	MG	2A	3355	1/1	0.95	0.10	51,51,51,51	0
56	MG	2A	3356	1/1	0.95	0.12	55,55,55,55	0
56	MG	1A	3579	1/1	0.95	0.16	44,44,44,44	0
56	MG	1A	3457	1/1	0.95	0.11	59,59,59,59	0
56	MG	1A	3883	1/1	0.95	0.11	68,68,68,68	0
56	MG	2A	3704	1/1	0.95	0.06	56,56,56,56	0
56	MG	2a	3107	1/1	0.95	0.12	57,57,57,57	0
56	MG	1A	3052	1/1	0.95	0.07	56,56,56,56	0
56	MG	1a	1667	1/1	0.95	0.16	65,65,65,65	0
56	MG	1A	3112	1/1	0.95	0.10	49,49,49,49	0
56	MG	2A	3070	1/1	0.95	0.21	42,42,42,42	0
56	MG	2a	3112	1/1	0.95	0.12	54,54,54,54	0
56	MG	1A	3464	1/1	0.95	0.11	45,45,45,45	0
56	MG	1A	4129	1/1	0.95	0.09	42,42,42,42	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3713	1/1	0.95	0.13	67,67,67,67	0
56	MG	1A	3091	1/1	0.95	0.14	43,43,43,43	0
56	MG	1A	3586	1/1	0.95	0.15	49,49,49,49	0
56	MG	2A	3371	1/1	0.95	0.09	48,48,48,48	0
56	MG	1A	3588	1/1	0.95	0.10	46,46,46,46	0
56	MG	2A	3720	1/1	0.95	0.06	41,41,41,41	0
56	MG	1A	3384	1/1	0.95	0.12	57,57,57,57	0
56	MG	1A	4142	1/1	0.95	0.10	42,42,42,42	0
56	MG	2A	3726	1/1	0.95	0.13	56,56,56,56	0
56	MG	2A	3727	1/1	0.95	0.09	51,51,51,51	0
56	MG	1A	3249	1/1	0.95	0.21	56,56,56,56	0
56	MG	1A	3741	1/1	0.95	0.10	45,45,45,45	0
56	MG	1a	1680	1/1	0.95	0.15	64,64,64,64	0
56	MG	1B	3004	1/1	0.95	0.16	50,50,50,50	0
56	MG	1A	3898	1/1	0.95	0.10	50,50,50,50	0
56	MG	2A	3382	1/1	0.95	0.08	50,50,50,50	0
56	MG	2a	3134	1/1	0.95	0.18	64,64,64,64	0
56	MG	1A	3899	1/1	0.95	0.10	52,52,52,52	0
56	MG	1A	3001	1/1	0.95	0.09	42,42,42,42	0
56	MG	2A	3739	1/1	0.95	0.12	59,59,59,59	0
56	MG	1B	3008	1/1	0.95	0.13	57,57,57,57	0
56	MG	2a	3139	1/1	0.95	0.08	73,73,73,73	0
56	MG	1A	3318	1/1	0.95	0.07	46,46,46,46	0
56	MG	2A	3389	1/1	0.95	0.12	58,58,58,58	0
56	MG	2A	3391	1/1	0.95	0.12	58,58,58,58	0
56	MG	1A	3147	1/1	0.95	0.15	54,54,54,54	0
56	MG	2A	3099	1/1	0.95	0.10	42,42,42,42	0
56	MG	1A	3252	1/1	0.95	0.11	52,52,52,52	0
56	MG	2A	3395	1/1	0.95	0.09	50,50,50,50	0
56	MG	1A	3393	1/1	0.95	0.10	50,50,50,50	0
56	MG	2A	3750	1/1	0.95	0.13	47,47,47,47	0
56	MG	1A	3395	1/1	0.95	0.11	42,42,42,42	0
56	MG	1a	1692	1/1	0.95	0.25	69,69,69,69	0
56	MG	1a	1693	1/1	0.95	0.10	58,58,58,58	0
56	MG	2a	3159	1/1	0.95	0.19	71,71,71,71	0
56	MG	1A	3750	1/1	0.95	0.09	29,29,29,29	0
56	MG	2a	3163	1/1	0.95	0.06	72,72,72,72	0
56	MG	1A	3751	1/1	0.95	0.10	48,48,48,48	0
56	MG	1A	3600	1/1	0.95	0.07	46,46,46,46	0
56	MG	1A	3601	1/1	0.95	0.09	11,11,11,11	0
56	MG	2a	3168	1/1	0.95	0.07	78,78,78,78	0
56	MG	2A	3112	1/1	0.95	0.10	42,42,42,42	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	3916	1/1	0.95	0.07	53,53,53,53	0
56	MG	2A	3114	1/1	0.95	0.10	55,55,55,55	0
56	MG	2A	3411	1/1	0.95	0.09	53,53,53,53	0
56	MG	2A	3763	1/1	0.95	0.09	52,52,52,52	0
56	MG	1A	3193	1/1	0.95	0.13	34,34,34,34	0
56	MG	1A	3919	1/1	0.95	0.12	38,38,38,38	0
56	MG	1B	3023	1/1	0.95	0.07	54,54,54,54	0
56	MG	2A	3415	1/1	0.95	0.09	50,50,50,50	0
56	MG	2A	3416	1/1	0.95	0.18	59,59,59,59	0
56	MG	2A	3418	1/1	0.95	0.08	61,61,61,61	0
56	MG	2a	3186	1/1	0.95	0.13	53,53,53,53	0
56	MG	1A	3044	1/1	0.95	0.08	37,37,37,37	0
56	MG	2a	3189	1/1	0.95	0.11	48,48,48,48	0
56	MG	1A	3324	1/1	0.95	0.20	55,55,55,55	0
56	MG	1A	3758	1/1	0.95	0.09	71,71,71,71	0
56	MG	1A	3486	1/1	0.95	0.06	42,42,42,42	0
56	MG	1A	3255	1/1	0.95	0.13	47,47,47,47	0
56	MG	2A	3776	1/1	0.95	0.10	44,44,44,44	0
56	MG	1A	3403	1/1	0.95	0.10	27,27,27,27	0
56	MG	2A	3778	1/1	0.95	0.06	52,52,52,52	0
56	MG	2A	3131	1/1	0.95	0.08	42,42,42,42	0
56	MG	2A	3133	1/1	0.95	0.07	49,49,49,49	0
56	MG	1A	3938	1/1	0.95	0.05	55,55,55,55	0
56	MG	1A	3765	1/1	0.95	0.06	25,25,25,25	0
56	MG	2a	3203	1/1	0.95	0.16	62,62,62,62	0
56	MG	1A	3195	1/1	0.95	0.23	40,40,40,40	0
56	MG	1A	3768	1/1	0.95	0.10	61,61,61,61	0
56	MG	2A	3146	1/1	0.95	0.07	43,43,43,43	0
56	MG	1A	3624	1/1	0.95	0.09	28,28,28,28	0
56	MG	2A	3791	1/1	0.95	0.09	46,46,46,46	0
56	MG	2A	3792	1/1	0.95	0.15	51,51,51,51	0
56	MG	1D	307	1/1	0.95	0.10	45,45,45,45	0
56	MG	1A	3490	1/1	0.95	0.07	50,50,50,50	0
56	MG	2a	3213	1/1	0.95	0.14	69,69,69,69	0
56	MG	1A	3949	1/1	0.95	0.09	63,63,63,63	0
56	MG	1E	301	1/1	0.95	0.10	37,37,37,37	0
56	MG	2a	3216	1/1	0.95	0.18	65,65,65,65	0
56	MG	1A	3950	1/1	0.95	0.07	41,41,41,41	0
56	MG	2A	3440	1/1	0.95	0.15	43,43,43,43	0
56	MG	1A	3626	1/1	0.95	0.09	44,44,44,44	0
56	MG	1A	3953	1/1	0.95	0.07	46,46,46,46	0
56	MG	2A	3803	1/1	0.95	0.06	42,42,42,42	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2a	3223	1/1	0.95	0.23	52,52,52,52	0
56	MG	2A	3443	1/1	0.95	0.20	50,50,50,50	0
56	MG	2a	3225	1/1	0.95	0.10	57,57,57,57	0
56	MG	1A	3954	1/1	0.95	0.08	58,58,58,58	0
56	MG	1A	3327	1/1	0.95	0.13	28,28,28,28	0
56	MG	1A	3957	1/1	0.95	0.06	55,55,55,55	0
56	MG	1a	1731	1/1	0.95	0.13	50,50,50,50	0
56	MG	1F	301	1/1	0.95	0.10	40,40,40,40	0
56	MG	1a	1734	1/1	0.95	0.13	67,67,67,67	0
56	MG	1A	3151	1/1	0.95	0.14	47,47,47,47	0
56	MG	1a	1736	1/1	0.95	0.09	57,57,57,57	0
56	MG	1A	3961	1/1	0.95	0.08	38,38,38,38	0
56	MG	1A	3408	1/1	0.95	0.14	60,60,60,60	0
56	MG	1a	1742	1/1	0.95	0.06	51,51,51,51	0
56	MG	1A	3636	1/1	0.95	0.09	38,38,38,38	0
56	MG	1A	3780	1/1	0.95	0.06	21,21,21,21	0
56	MG	1A	3495	1/1	0.95	0.10	42,42,42,42	0
56	MG	1a	1747	1/1	0.95	0.10	49,49,49,49	0
56	MG	2A	3828	1/1	0.95	0.07	80,80,80,80	0
56	MG	1A	3638	1/1	0.95	0.07	53,53,53,53	0
56	MG	2A	3830	1/1	0.95	0.15	48,48,48,48	0
56	MG	1A	3259	1/1	0.95	0.06	40,40,40,40	0
56	MG	1A	3973	1/1	0.95	0.06	85,85,85,85	0
56	MG	1A	3502	1/1	0.95	0.13	49,49,49,49	0
56	MG	2A	3837	1/1	0.95	0.08	37,37,37,37	0
56	MG	1A	3059	1/1	0.95	0.11	48,48,48,48	0
56	MG	2A	3187	1/1	0.95	0.10	50,50,50,50	0
56	MG	2A	3188	1/1	0.95	0.06	36,36,36,36	0
56	MG	1A	3153	1/1	0.95	0.11	37,37,37,37	0
56	MG	2A	3848	1/1	0.95	0.06	36,36,36,36	0
56	MG	2A	3850	1/1	0.95	0.07	59,59,59,59	0
56	MG	2A	3190	1/1	0.95	0.09	45,45,45,45	0
56	MG	1A	3413	1/1	0.95	0.10	36,36,36,36	0
56	MG	2A	3473	1/1	0.95	0.13	57,57,57,57	0
56	MG	2A	3193	1/1	0.95	0.07	55,55,55,55	0
56	MG	2A	3858	1/1	0.95	0.07	43,43,43,43	0
56	MG	1A	3981	1/1	0.95	0.06	52,52,52,52	0
56	MG	2w	103	1/1	0.95	0.10	56,56,56,56	0
56	MG	1N	206	1/1	0.95	0.12	42,42,42,42	0
56	MG	2w	105	1/1	0.95	0.15	70,70,70,70	0
56	MG	1A	3415	1/1	0.95	0.12	59,59,59,59	0
56	MG	1A	3060	1/1	0.95	0.06	45,45,45,45	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	3985	1/1	0.95	0.09	23,23,23,23	0
56	MG	2A	3868	1/1	0.95	0.08	69,69,69,69	0
56	MG	2A	3869	1/1	0.95	0.05	56,56,56,56	0
56	MG	2x	105	1/1	0.95	0.16	57,57,57,57	0
56	MG	2A	3199	1/1	0.95	0.08	50,50,50,50	0
56	MG	2A	3872	1/1	0.95	0.07	44,44,44,44	0
56	MG	2A	3874	1/1	0.95	0.07	53,53,53,53	0
56	MG	1A	3796	1/1	0.95	0.06	34,34,34,34	0
56	MG	1a	1769	1/1	0.95	0.08	55,55,55,55	0
56	MG	2A	3878	1/1	0.95	0.08	49,49,49,49	0
57	K	1A	3584	1/1	0.95	0.09	58,58,58,58	0
56	MG	1A	3120	1/1	0.95	0.09	42,42,42,42	0
56	MG	1P	204	1/1	0.95	0.15	47,47,47,47	0
56	MG	1A	3396	1/1	0.96	0.06	47,47,47,47	0
56	MG	2D	303	1/1	0.96	0.05	35,35,35,35	0
56	MG	1A	3198	1/1	0.96	0.12	41,41,41,41	0
56	MG	1A	3474	1/1	0.96	0.22	60,60,60,60	0
56	MG	2E	301	1/1	0.96	0.11	50,50,50,50	0
56	MG	2A	3014	1/1	0.96	0.18	43,43,43,43	0
56	MG	1A	4094	1/1	0.96	0.07	37,37,37,37	0
56	MG	1A	3725	1/1	0.96	0.07	52,52,52,52	0
56	MG	1A	3201	1/1	0.96	0.08	45,45,45,45	0
56	MG	1A	3587	1/1	0.96	0.14	38,38,38,38	0
56	MG	2A	3598	1/1	0.96	0.07	48,48,48,48	0
56	MG	1A	3477	1/1	0.96	0.09	48,48,48,48	0
56	MG	2A	3025	1/1	0.96	0.14	42,42,42,42	0
56	MG	2A	3026	1/1	0.96	0.08	36,36,36,36	0
56	MG	1A	3202	1/1	0.96	0.06	32,32,32,32	0
56	MG	1A	3479	1/1	0.96	0.05	38,38,38,38	0
56	MG	1A	3591	1/1	0.96	0.14	52,52,52,52	0
56	MG	2A	3031	1/1	0.96	0.07	45,45,45,45	0
56	MG	2P	201	1/1	0.96	0.05	45,45,45,45	0
56	MG	2A	3608	1/1	0.96	0.05	61,61,61,61	0
56	MG	2A	3609	1/1	0.96	0.12	42,42,42,42	0
56	MG	2A	3032	1/1	0.96	0.06	38,38,38,38	0
56	MG	1A	3889	1/1	0.96	0.13	60,60,60,60	0
56	MG	1A	3017	1/1	0.96	0.12	54,54,54,54	0
56	MG	1A	3482	1/1	0.96	0.08	50,50,50,50	0
56	MG	2U	201	1/1	0.96	0.09	40,40,40,40	0
56	MG	1A	4112	1/1	0.96	0.11	42,42,42,42	0
56	MG	2A	3038	1/1	0.96	0.07	31,31,31,31	0
56	MG	1A	3093	1/1	0.96	0.16	33,33,33,33	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3040	1/1	0.96	0.12	52,52,52,52	0
56	MG	2A	3316	1/1	0.96	0.10	54,54,54,54	0
56	MG	2A	3041	1/1	0.96	0.12	49,49,49,49	0
56	MG	1a	1650	1/1	0.96	0.11	53,53,53,53	0
56	MG	1A	3066	1/1	0.96	0.07	35,35,35,35	0
56	MG	2A	3044	1/1	0.96	0.09	48,48,48,48	0
56	MG	1A	4117	1/1	0.96	0.21	39,39,39,39	0
56	MG	2A	3323	1/1	0.96	0.12	56,56,56,56	0
56	MG	2A	3046	1/1	0.96	0.07	48,48,48,48	0
56	MG	2A	3048	1/1	0.96	0.09	41,41,41,41	0
56	MG	1A	3485	1/1	0.96	0.10	48,48,48,48	0
56	MG	1A	3018	1/1	0.96	0.13	33,33,33,33	0
56	MG	2A	3328	1/1	0.96	0.13	39,39,39,39	0
56	MG	25	103	1/1	0.96	0.10	52,52,52,52	0
56	MG	25	104	1/1	0.96	0.07	43,43,43,43	0
56	MG	2A	3636	1/1	0.96	0.23	59,59,59,59	0
56	MG	1A	4124	1/1	0.96	0.29	46,46,46,46	0
56	MG	1A	3019	1/1	0.96	0.14	37,37,37,37	0
56	MG	2A	3639	1/1	0.96	0.11	34,34,34,34	0
56	MG	1A	4127	1/1	0.96	0.09	34,34,34,34	0
56	MG	1A	4128	1/1	0.96	0.22	43,43,43,43	0
56	MG	1A	3331	1/1	0.96	0.11	54,54,54,54	0
56	MG	1A	4130	1/1	0.96	0.05	38,38,38,38	0
56	MG	1A	3604	1/1	0.96	0.11	65,65,65,65	0
56	MG	1A	4132	1/1	0.96	0.17	39,39,39,39	0
56	MG	1A	3605	1/1	0.96	0.08	32,32,32,32	0
56	MG	1A	3159	1/1	0.96	0.08	39,39,39,39	0
56	MG	2A	3648	1/1	0.96	0.07	51,51,51,51	0
56	MG	1A	3608	1/1	0.96	0.10	51,51,51,51	0
56	MG	1A	4138	1/1	0.96	0.09	43,43,43,43	0
56	MG	1A	4140	1/1	0.96	0.06	31,31,31,31	0
56	MG	1A	3609	1/1	0.96	0.10	50,50,50,50	0
56	MG	1A	3212	1/1	0.96	0.21	32,32,32,32	0
56	MG	1A	3411	1/1	0.96	0.10	43,43,43,43	0
56	MG	1A	3911	1/1	0.96	0.09	65,65,65,65	0
56	MG	1A	3755	1/1	0.96	0.11	36,36,36,36	0
56	MG	2A	3660	1/1	0.96	0.06	45,45,45,45	0
56	MG	1a	1678	1/1	0.96	0.23	63,63,63,63	0
56	MG	1A	3492	1/1	0.96	0.12	52,52,52,52	0
56	MG	1A	3615	1/1	0.96	0.08	25,25,25,25	0
56	MG	1A	3917	1/1	0.96	0.05	80,80,80,80	0
56	MG	2a	3025	1/1	0.96	0.14	57,57,57,57	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3352	1/1	0.96	0.09	53,53,53,53	0
56	MG	2A	3666	1/1	0.96	0.07	34,34,34,34	0
56	MG	2A	3076	1/1	0.96	0.11	35,35,35,35	0
56	MG	2A	3669	1/1	0.96	0.07	42,42,42,42	0
56	MG	1A	3213	1/1	0.96	0.09	42,42,42,42	0
56	MG	1A	3160	1/1	0.96	0.13	41,41,41,41	0
56	MG	1A	3621	1/1	0.96	0.10	48,48,48,48	0
56	MG	2A	3081	1/1	0.96	0.12	45,45,45,45	0
56	MG	1a	1685	1/1	0.96	0.16	51,51,51,51	0
56	MG	2A	3083	1/1	0.96	0.16	49,49,49,49	0
56	MG	2A	3361	1/1	0.96	0.11	51,51,51,51	0
56	MG	1A	3622	1/1	0.96	0.07	36,36,36,36	0
56	MG	2A	3679	1/1	0.96	0.07	41,41,41,41	0
56	MG	2A	3086	1/1	0.96	0.10	44,44,44,44	0
56	MG	2A	3087	1/1	0.96	0.10	53,53,53,53	0
56	MG	1A	3922	1/1	0.96	0.08	57,57,57,57	0
56	MG	2A	3089	1/1	0.96	0.06	46,46,46,46	0
56	MG	1A	3763	1/1	0.96	0.09	52,52,52,52	0
56	MG	1A	3336	1/1	0.96	0.11	41,41,41,41	0
56	MG	1A	3931	1/1	0.96	0.08	55,55,55,55	0
56	MG	1A	3497	1/1	0.96	0.14	33,33,33,33	0
56	MG	1A	3498	1/1	0.96	0.08	46,46,46,46	0
56	MG	2A	3373	1/1	0.96	0.07	52,52,52,52	0
56	MG	1A	3499	1/1	0.96	0.09	49,49,49,49	0
56	MG	2A	3692	1/1	0.96	0.09	56,56,56,56	0
56	MG	1A	3500	1/1	0.96	0.05	38,38,38,38	0
56	MG	1A	3628	1/1	0.96	0.09	28,28,28,28	0
56	MG	2A	3377	1/1	0.96	0.07	57,57,57,57	0
56	MG	1A	3162	1/1	0.96	0.31	44,44,44,44	0
56	MG	2a	3055	1/1	0.96	0.05	51,51,51,51	0
56	MG	1A	3945	1/1	0.96	0.09	41,41,41,41	0
56	MG	1a	1700	1/1	0.96	0.23	50,50,50,50	0
56	MG	1A	3269	1/1	0.96	0.12	52,52,52,52	0
56	MG	1A	3777	1/1	0.96	0.10	55,55,55,55	0
56	MG	2A	3383	1/1	0.96	0.20	60,60,60,60	0
56	MG	1A	3633	1/1	0.96	0.08	58,58,58,58	0
56	MG	1B	3031	1/1	0.96	0.06	67,67,67,67	0
56	MG	2A	3706	1/1	0.96	0.05	47,47,47,47	0
56	MG	2A	3707	1/1	0.96	0.06	61,61,61,61	0
56	MG	1A	3503	1/1	0.96	0.08	32,32,32,32	0
56	MG	1A	3217	1/1	0.96	0.15	47,47,47,47	0
56	MG	1A	3952	1/1	0.96	0.08	46,46,46,46	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3390	1/1	0.96	0.08	57,57,57,57	0
56	MG	1A	3781	1/1	0.96	0.09	32,32,32,32	0
56	MG	1B	3037	1/1	0.96	0.06	40,40,40,40	0
56	MG	1A	3126	1/1	0.96	0.09	41,41,41,41	0
56	MG	1A	3099	1/1	0.96	0.08	44,44,44,44	0
56	MG	1A	3956	1/1	0.96	0.06	61,61,61,61	0
56	MG	2A	3118	1/1	0.96	0.15	50,50,50,50	0
56	MG	1A	3021	1/1	0.96	0.10	45,45,45,45	0
56	MG	2A	3120	1/1	0.96	0.10	51,51,51,51	0
56	MG	2A	3122	1/1	0.96	0.06	39,39,39,39	0
56	MG	2A	3724	1/1	0.96	0.06	57,57,57,57	0
56	MG	2A	3725	1/1	0.96	0.09	49,49,49,49	0
56	MG	1a	1714	1/1	0.96	0.16	66,66,66,66	0
56	MG	2a	3082	1/1	0.96	0.16	54,54,54,54	0
56	MG	2A	3124	1/1	0.96	0.10	48,48,48,48	0
56	MG	1D	310	1/1	0.96	0.14	39,39,39,39	0
56	MG	2A	3405	1/1	0.96	0.14	33,33,33,33	0
56	MG	2a	3086	1/1	0.96	0.10	57,57,57,57	0
56	MG	1A	3958	1/1	0.96	0.12	44,44,44,44	0
56	MG	1D	312	1/1	0.96	0.17	42,42,42,42	0
56	MG	2A	3129	1/1	0.96	0.10	50,50,50,50	0
56	MG	2A	3409	1/1	0.96	0.17	47,47,47,47	0
56	MG	2a	3092	1/1	0.96	0.13	51,51,51,51	0
56	MG	1A	3785	1/1	0.96	0.07	47,47,47,47	0
56	MG	1A	3960	1/1	0.96	0.08	23,23,23,23	0
56	MG	1A	3642	1/1	0.96	0.06	40,40,40,40	0
56	MG	1A	3222	1/1	0.96	0.12	56,56,56,56	0
56	MG	1A	3345	1/1	0.96	0.07	47,47,47,47	0
56	MG	1A	3964	1/1	0.96	0.08	45,45,45,45	0
56	MG	1E	308	1/1	0.96	0.13	34,34,34,34	0
56	MG	2A	3417	1/1	0.96	0.10	41,41,41,41	0
56	MG	2a	3102	1/1	0.96	0.19	58,58,58,58	0
56	MG	2A	3144	1/1	0.96	0.14	45,45,45,45	0
56	MG	1A	3074	1/1	0.96	0.06	27,27,27,27	0
56	MG	1A	3968	1/1	0.96	0.06	62,62,62,62	0
56	MG	1A	3791	1/1	0.96	0.07	43,43,43,43	0
56	MG	1A	3793	1/1	0.96	0.27	37,37,37,37	0
56	MG	1F	305	1/1	0.96	0.07	48,48,48,48	0
56	MG	1A	3347	1/1	0.96	0.08	44,44,44,44	0
56	MG	1A	3517	1/1	0.96	0.08	37,37,37,37	0
56	MG	1A	3518	1/1	0.96	0.10	48,48,48,48	0
56	MG	1A	3651	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
56	MG	2A	3156	1/1	0.96	0.07	48,48,48,48	0
56	MG	1A	3977	1/1	0.96	0.09	56,56,56,56	0
56	MG	1A	3978	1/1	0.96	0.06	65,65,65,65	0
56	MG	2A	3160	1/1	0.96	0.17	44,44,44,44	0
56	MG	2A	3433	1/1	0.96	0.05	64,64,64,64	0
56	MG	1A	3283	1/1	0.96	0.14	40,40,40,40	0
56	MG	2A	3162	1/1	0.96	0.12	53,53,53,53	0
56	MG	2A	3166	1/1	0.96	0.11	47,47,47,47	0
56	MG	1A	3284	1/1	0.96	0.21	56,56,56,56	0
56	MG	2a	3123	1/1	0.96	0.13	54,54,54,54	0
56	MG	1A	3657	1/1	0.96	0.10	27,27,27,27	0
56	MG	1A	3803	1/1	0.96	0.25	44,44,44,44	0
56	MG	1A	3804	1/1	0.96	0.06	40,40,40,40	0
56	MG	1A	3522	1/1	0.96	0.06	49,49,49,49	0
56	MG	1a	1753	1/1	0.96	0.09	59,59,59,59	0
56	MG	1a	1754	1/1	0.96	0.06	51,51,51,51	0
56	MG	1A	3806	1/1	0.96	0.06	34,34,34,34	0
56	MG	2A	3445	1/1	0.96	0.21	55,55,55,55	0
56	MG	1A	3989	1/1	0.96	0.06	60,60,60,60	0
56	MG	2A	3775	1/1	0.96	0.06	38,38,38,38	0
56	MG	2A	3176	1/1	0.96	0.09	46,46,46,46	0
56	MG	1A	3075	1/1	0.96	0.06	28,28,28,28	0
56	MG	1O	203	1/1	0.96	0.11	63,63,63,63	0
56	MG	2A	3779	1/1	0.96	0.08	56,56,56,56	0
56	MG	1A	3429	1/1	0.96	0.07	48,48,48,48	0
56	MG	1A	3057	1/1	0.96	0.10	54,54,54,54	0
56	MG	1A	3528	1/1	0.96	0.05	45,45,45,45	0
56	MG	2a	3144	1/1	0.96	0.11	83,83,83,83	0
56	MG	1A	3292	1/1	0.96	0.07	56,56,56,56	0
56	MG	1A	3031	1/1	0.96	0.12	31,31,31,31	0
56	MG	1A	3356	1/1	0.96	0.09	39,39,39,39	0
56	MG	1a	1768	1/1	0.96	0.09	53,53,53,53	0
56	MG	2a	3150	1/1	0.96	0.06	78,78,78,78	0
56	MG	1A	3998	1/1	0.96	0.09	65,65,65,65	0
56	MG	1A	3815	1/1	0.96	0.21	44,44,44,44	0
56	MG	1A	3533	1/1	0.96	0.09	36,36,36,36	0
56	MG	1A	3817	1/1	0.96	0.14	45,45,45,45	0
56	MG	2A	3192	1/1	0.96	0.09	44,44,44,44	0
56	MG	1A	3672	1/1	0.96	0.06	31,31,31,31	0
56	MG	2A	3464	1/1	0.96	0.23	54,54,54,54	0
56	MG	1A	3819	1/1	0.96	0.12	48,48,48,48	0
56	MG	1A	3534	1/1	0.96	0.19	33,33,33,33	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3800	1/1	0.96	0.05	67,67,67,67	0
56	MG	2A	3467	1/1	0.96	0.17	60,60,60,60	0
56	MG	1A	3179	1/1	0.96	0.07	36,36,36,36	0
56	MG	1U	201	1/1	0.96	0.09	52,52,52,52	0
56	MG	1A	3105	1/1	0.96	0.10	40,40,40,40	0
56	MG	1A	4011	1/1	0.96	0.07	43,43,43,43	0
56	MG	2A	3201	1/1	0.96	0.06	51,51,51,51	0
56	MG	2a	3173	1/1	0.96	0.07	62,62,62,62	0
56	MG	1U	204	1/1	0.96	0.13	38,38,38,38	0
56	MG	1U	205	1/1	0.96	0.10	35,35,35,35	0
56	MG	1V	201	1/1	0.96	0.08	49,49,49,49	0
56	MG	1a	1786	1/1	0.96	0.08	64,64,64,64	0
56	MG	2A	3207	1/1	0.96	0.08	44,44,44,44	0
56	MG	1A	3082	1/1	0.96	0.15	49,49,49,49	0
56	MG	1A	4016	1/1	0.96	0.06	46,46,46,46	0
56	MG	2a	3183	1/1	0.96	0.06	76,76,76,76	0
56	MG	2a	3184	1/1	0.96	0.13	54,54,54,54	0
56	MG	1A	3233	1/1	0.96	0.07	49,49,49,49	0
56	MG	2A	3212	1/1	0.96	0.06	52,52,52,52	0
56	MG	1A	4020	1/1	0.96	0.06	53,53,53,53	0
56	MG	2a	3188	1/1	0.96	0.08	68,68,68,68	0
56	MG	2A	3483	1/1	0.96	0.16	55,55,55,55	0
56	MG	1A	3826	1/1	0.96	0.06	42,42,42,42	0
56	MG	2a	3191	1/1	0.96	0.06	63,63,63,63	0
56	MG	2A	3824	1/1	0.96	0.08	78,78,78,78	0
56	MG	1A	3827	1/1	0.96	0.14	50,50,50,50	0
56	MG	1A	3234	1/1	0.96	0.20	54,54,54,54	0
56	MG	2a	3195	1/1	0.96	0.06	41,41,41,41	0
56	MG	1A	3135	1/1	0.96	0.06	32,32,32,32	0
56	MG	1A	3368	1/1	0.96	0.17	47,47,47,47	0
56	MG	1A	4028	1/1	0.96	0.09	69,69,69,69	0
56	MG	2A	3833	1/1	0.96	0.11	55,55,55,55	0
56	MG	2A	3223	1/1	0.96	0.13	44,44,44,44	0
56	MG	1A	3136	1/1	0.96	0.10	52,52,52,52	0
56	MG	1a	1811	1/1	0.96	0.08	77,77,77,77	0
56	MG	1A	3683	1/1	0.96	0.12	40,40,40,40	0
56	MG	10	102	1/1	0.96	0.07	44,44,44,44	0
56	MG	10	103	1/1	0.96	0.07	45,45,45,45	0
56	MG	1A	3086	1/1	0.96	0.12	50,50,50,50	0
56	MG	1A	3239	1/1	0.96	0.10	30,30,30,30	0
56	MG	2A	3504	1/1	0.96	0.05	36,36,36,36	0
56	MG	1A	3140	1/1	0.96	0.16	43,43,43,43	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1a	1826	1/1	0.96	0.06	58,58,58,58	0
56	MG	1A	4040	1/1	0.96	0.05	60,60,60,60	0
56	MG	1A	4041	1/1	0.96	0.18	36,36,36,36	0
56	MG	1A	3838	1/1	0.96	0.15	45,45,45,45	0
56	MG	2A	3237	1/1	0.96	0.09	39,39,39,39	0
56	MG	2A	3511	1/1	0.96	0.08	24,24,24,24	0
56	MG	1A	3142	1/1	0.96	0.10	23,23,23,23	0
56	MG	1A	3553	1/1	0.96	0.25	49,49,49,49	0
56	MG	2A	3517	1/1	0.96	0.06	42,42,42,42	0
56	MG	1A	3554	1/1	0.96	0.17	47,47,47,47	0
56	MG	1A	3113	1/1	0.96	0.07	35,35,35,35	0
56	MG	1A	3843	1/1	0.96	0.08	31,31,31,31	0
56	MG	1l	202	1/1	0.96	0.09	69,69,69,69	0
56	MG	2A	3873	1/1	0.96	0.10	40,40,40,40	0
56	MG	1A	3556	1/1	0.96	0.21	42,42,42,42	0
56	MG	1A	3845	1/1	0.96	0.10	38,38,38,38	0
56	MG	1A	3311	1/1	0.96	0.14	48,48,48,48	0
56	MG	2A	3248	1/1	0.96	0.09	42,42,42,42	0
56	MG	1A	3144	1/1	0.96	0.09	52,52,52,52	0
56	MG	2A	3881	1/1	0.96	0.07	48,48,48,48	0
56	MG	1A	3695	1/1	0.96	0.07	57,57,57,57	0
56	MG	2A	3253	1/1	0.96	0.06	47,47,47,47	0
56	MG	1A	3849	1/1	0.96	0.10	44,44,44,44	0
56	MG	19	101	1/1	0.96	0.17	49,49,49,49	0
56	MG	2A	3887	1/1	0.96	0.07	48,48,48,48	0
56	MG	1A	4056	1/1	0.96	0.06	47,47,47,47	0
56	MG	1A	4058	1/1	0.96	0.07	47,47,47,47	0
56	MG	1A	3313	1/1	0.96	0.26	49,49,49,49	0
56	MG	1A	3383	1/1	0.96	0.09	55,55,55,55	0
56	MG	2A	3260	1/1	0.96	0.09	53,53,53,53	0
56	MG	1A	3456	1/1	0.96	0.13	48,48,48,48	0
56	MG	1A	3005	1/1	0.96	0.09	41,41,41,41	0
56	MG	2A	3897	1/1	0.96	0.14	57,57,57,57	0
56	MG	2A	3898	1/1	0.96	0.07	28,28,28,28	0
56	MG	1w	111	1/1	0.96	0.07	41,41,41,41	0
56	MG	2A	3264	1/1	0.96	0.05	62,62,62,62	0
56	MG	2A	3902	1/1	0.96	0.15	43,43,43,43	0
56	MG	2A	3547	1/1	0.96	0.04	37,37,37,37	0
56	MG	2A	3905	1/1	0.96	0.13	38,38,38,38	0
56	MG	1A	3040	1/1	0.96	0.07	36,36,36,36	0
56	MG	1A	3317	1/1	0.96	0.09	47,47,47,47	0
56	MG	1A	3461	1/1	0.96	0.15	44,44,44,44	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	3462	1/1	0.96	0.10	32,32,32,32	0
56	MG	1A	3706	1/1	0.96	0.10	40,40,40,40	0
56	MG	1A	3463	1/1	0.96	0.06	53,53,53,53	0
56	MG	1A	3860	1/1	0.96	0.11	47,47,47,47	0
56	MG	1A	3042	1/1	0.96	0.13	40,40,40,40	0
56	MG	1A	3862	1/1	0.96	0.16	43,43,43,43	0
56	MG	1A	3388	1/1	0.96	0.10	42,42,42,42	0
56	MG	1A	3149	1/1	0.96	0.10	33,33,33,33	0
56	MG	1A	3575	1/1	0.96	0.14	33,33,33,33	0
56	MG	2w	106	1/1	0.96	0.12	60,60,60,60	0
56	MG	2A	3277	1/1	0.96	0.14	50,50,50,50	0
56	MG	1A	3150	1/1	0.96	0.14	50,50,50,50	0
56	MG	1A	3868	1/1	0.96	0.08	47,47,47,47	0
56	MG	1A	4079	1/1	0.96	0.13	46,46,46,46	0
56	MG	2A	3570	1/1	0.96	0.08	53,53,53,53	0
56	MG	1A	3716	1/1	0.96	0.08	28,28,28,28	0
56	MG	1A	3321	1/1	0.96	0.20	51,51,51,51	0
56	MG	1A	4085	1/1	0.96	0.08	21,21,21,21	0
56	MG	1A	3469	1/1	0.96	0.12	53,53,53,53	0
56	MG	1A	3720	1/1	0.96	0.07	53,53,53,53	0
56	MG	1A	3024	1/1	0.96	0.09	43,43,43,43	0
56	MG	2A	3578	1/1	0.96	0.07	39,39,39,39	0
56	MG	2A	3005	1/1	0.96	0.15	48,48,48,48	0
56	MG	1a	1632	1/1	0.96	0.15	52,52,52,52	0
56	MG	2A	3007	1/1	0.96	0.06	43,43,43,43	0
56	MG	2A	3003	1/1	0.97	0.12	43,43,43,43	0
56	MG	1A	3173	1/1	0.97	0.13	42,42,42,42	0
56	MG	1A	3175	1/1	0.97	0.17	40,40,40,40	0
56	MG	1A	3876	1/1	0.97	0.08	49,49,49,49	0
56	MG	2a	3009	1/1	0.97	0.06	60,60,60,60	0
56	MG	1A	3764	1/1	0.97	0.09	31,31,31,31	0
56	MG	1A	4027	1/1	0.97	0.12	50,50,50,50	0
56	MG	2A	3451	1/1	0.97	0.29	56,56,56,56	0
56	MG	1A	3460	1/1	0.97	0.08	48,48,48,48	0
56	MG	2A	3011	1/1	0.97	0.04	48,48,48,48	0
56	MG	1A	3389	1/1	0.97	0.11	53,53,53,53	0
56	MG	2A	3013	1/1	0.97	0.11	44,44,44,44	0
56	MG	1A	4031	1/1	0.97	0.06	54,54,54,54	0
56	MG	2A	3015	1/1	0.97	0.10	43,43,43,43	0
56	MG	2A	3240	1/1	0.97	0.10	40,40,40,40	0
56	MG	1E	309	1/1	0.97	0.05	50,50,50,50	0
56	MG	1A	3880	1/1	0.97	0.11	30,30,30,30	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	3881	1/1	0.97	0.08	37,37,37,37	0
56	MG	2a	3023	1/1	0.97	0.05	47,47,47,47	0
56	MG	2A	3019	1/1	0.97	0.06	38,38,38,38	0
56	MG	2A	3022	1/1	0.97	0.12	47,47,47,47	0
56	MG	1A	3390	1/1	0.97	0.12	35,35,35,35	0
56	MG	1A	3007	1/1	0.97	0.06	38,38,38,38	0
56	MG	1A	4038	1/1	0.97	0.04	45,45,45,45	0
56	MG	1A	3654	1/1	0.97	0.12	36,36,36,36	0
56	MG	1A	3550	1/1	0.97	0.16	38,38,38,38	0
56	MG	1A	4042	1/1	0.97	0.07	46,46,46,46	0
56	MG	2A	3735	1/1	0.97	0.06	55,55,55,55	0
56	MG	1G	3001	1/1	0.97	0.10	41,41,41,41	0
56	MG	1A	3220	1/1	0.97	0.08	41,41,41,41	0
56	MG	1A	3775	1/1	0.97	0.11	27,27,27,27	0
56	MG	1A	3045	1/1	0.97	0.07	36,36,36,36	0
56	MG	1A	3022	1/1	0.97	0.07	21,21,21,21	0
56	MG	1A	3008	1/1	0.97	0.10	26,26,26,26	0
56	MG	1A	3893	1/1	0.97	0.11	17,17,17,17	0
56	MG	1A	3397	1/1	0.97	0.07	47,47,47,47	0
56	MG	1A	3271	1/1	0.97	0.09	50,50,50,50	0
56	MG	1a	1698	1/1	0.97	0.04	52,52,52,52	0
56	MG	2A	3746	1/1	0.97	0.04	68,68,68,68	0
56	MG	1a	1699	1/1	0.97	0.17	40,40,40,40	0
56	MG	1A	3049	1/1	0.97	0.11	26,26,26,26	0
56	MG	1A	3559	1/1	0.97	0.17	34,34,34,34	0
56	MG	1A	3092	1/1	0.97	0.07	50,50,50,50	0
56	MG	1A	3670	1/1	0.97	0.07	32,32,32,32	0
56	MG	1A	3562	1/1	0.97	0.05	24,24,24,24	0
56	MG	2A	3047	1/1	0.97	0.09	46,46,46,46	0
56	MG	1A	3401	1/1	0.97	0.14	35,35,35,35	0
56	MG	2A	3755	1/1	0.97	0.08	50,50,50,50	0
56	MG	1O	205	1/1	0.97	0.05	44,44,44,44	0
56	MG	2A	3489	1/1	0.97	0.06	41,41,41,41	0
56	MG	1A	3274	1/1	0.97	0.11	36,36,36,36	0
56	MG	1A	3475	1/1	0.97	0.08	42,42,42,42	0
56	MG	1A	3789	1/1	0.97	0.05	29,29,29,29	0
56	MG	1A	3277	1/1	0.97	0.11	38,38,38,38	0
56	MG	1A	3051	1/1	0.97	0.06	50,50,50,50	0
56	MG	2A	3497	1/1	0.97	0.06	63,63,63,63	0
56	MG	1A	3792	1/1	0.97	0.07	35,35,35,35	0
56	MG	2A	3499	1/1	0.97	0.05	46,46,46,46	0
56	MG	1A	3405	1/1	0.97	0.16	42,42,42,42	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1R	202	1/1	0.97	0.11	38,38,38,38	0
56	MG	2A	3502	1/1	0.97	0.05	43,43,43,43	0
56	MG	2a	3066	1/1	0.97	0.12	54,54,54,54	0
56	MG	1A	3228	1/1	0.97	0.08	41,41,41,41	0
56	MG	1A	3187	1/1	0.97	0.14	47,47,47,47	0
56	MG	1A	3282	1/1	0.97	0.05	30,30,30,30	0
56	MG	1A	3797	1/1	0.97	0.10	53,53,53,53	0
56	MG	1A	3341	1/1	0.97	0.14	55,55,55,55	0
56	MG	1A	3033	1/1	0.97	0.17	36,36,36,36	0
56	MG	1A	3574	1/1	0.97	0.19	43,43,43,43	0
56	MG	1A	3012	1/1	0.97	0.05	30,30,30,30	0
56	MG	1a	1725	1/1	0.97	0.26	55,55,55,55	0
56	MG	1A	3054	1/1	0.97	0.11	39,39,39,39	0
56	MG	1A	3288	1/1	0.97	0.08	43,43,43,43	0
56	MG	1a	1728	1/1	0.97	0.22	48,48,48,48	0
56	MG	2A	3293	1/1	0.97	0.07	50,50,50,50	0
56	MG	1A	3929	1/1	0.97	0.07	42,42,42,42	0
56	MG	1U	208	1/1	0.97	0.10	38,38,38,38	0
56	MG	2A	3296	1/1	0.97	0.11	45,45,45,45	0
56	MG	2A	3523	1/1	0.97	0.08	27,27,27,27	0
56	MG	2A	3524	1/1	0.97	0.06	48,48,48,48	0
56	MG	2A	3789	1/1	0.97	0.09	49,49,49,49	0
56	MG	2A	3526	1/1	0.97	0.04	41,41,41,41	0
56	MG	1A	3688	1/1	0.97	0.06	15,15,15,15	0
56	MG	2A	3298	1/1	0.97	0.08	41,41,41,41	0
56	MG	2A	3793	1/1	0.97	0.13	56,56,56,56	0
56	MG	1A	4082	1/1	0.97	0.11	38,38,38,38	0
56	MG	1A	3934	1/1	0.97	0.06	44,44,44,44	0
56	MG	2A	3078	1/1	0.97	0.09	25,25,25,25	0
56	MG	1A	3191	1/1	0.97	0.16	42,42,42,42	0
56	MG	1A	3807	1/1	0.97	0.06	38,38,38,38	0
56	MG	1X	101	1/1	0.97	0.08	40,40,40,40	0
56	MG	1X	102	1/1	0.97	0.08	46,46,46,46	0
56	MG	2a	3098	1/1	0.97	0.08	46,46,46,46	0
56	MG	1a	1740	1/1	0.97	0.10	35,35,35,35	0
56	MG	1X	103	1/1	0.97	0.11	40,40,40,40	0
56	MG	1X	104	1/1	0.97	0.06	52,52,52,52	0
56	MG	1A	4086	1/1	0.97	0.20	43,43,43,43	0
56	MG	2A	3806	1/1	0.97	0.08	66,66,66,66	0
56	MG	1a	1745	1/1	0.97	0.10	55,55,55,55	0
56	MG	2A	3542	1/1	0.97	0.04	39,39,39,39	0
56	MG	1A	3125	1/1	0.97	0.15	41,41,41,41	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	3039	1/1	0.97	0.09	36,36,36,36	0
56	MG	1a	1748	1/1	0.97	0.06	43,43,43,43	0
56	MG	2A	3092	1/1	0.97	0.10	43,43,43,43	0
56	MG	1A	4089	1/1	0.97	0.05	36,36,36,36	0
56	MG	2A	3548	1/1	0.97	0.09	38,38,38,38	0
56	MG	1A	3940	1/1	0.97	0.05	48,48,48,48	0
56	MG	1A	3942	1/1	0.97	0.05	56,56,56,56	0
56	MG	1A	3349	1/1	0.97	0.10	44,44,44,44	0
56	MG	1A	3077	1/1	0.97	0.14	35,35,35,35	0
56	MG	1A	3078	1/1	0.97	0.10	31,31,31,31	0
56	MG	1A	3156	1/1	0.97	0.15	40,40,40,40	0
56	MG	1A	3157	1/1	0.97	0.11	53,53,53,53	0
56	MG	2A	3825	1/1	0.97	0.09	58,58,58,58	0
56	MG	2A	3102	1/1	0.97	0.09	56,56,56,56	0
56	MG	1A	4099	1/1	0.97	0.09	41,41,41,41	0
56	MG	1A	3496	1/1	0.97	0.10	38,38,38,38	0
56	MG	1A	3243	1/1	0.97	0.08	53,53,53,53	0
56	MG	2A	3831	1/1	0.97	0.05	45,45,45,45	0
56	MG	1A	3013	1/1	0.97	0.17	35,35,35,35	0
56	MG	2A	3562	1/1	0.97	0.04	37,37,37,37	0
56	MG	2A	3107	1/1	0.97	0.06	46,46,46,46	0
56	MG	1A	3199	1/1	0.97	0.11	45,45,45,45	0
56	MG	2A	3566	1/1	0.97	0.09	33,33,33,33	0
56	MG	2A	3838	1/1	0.97	0.06	47,47,47,47	0
56	MG	2A	3109	1/1	0.97	0.05	37,37,37,37	0
56	MG	2A	3840	1/1	0.97	0.11	43,43,43,43	0
56	MG	1a	1764	1/1	0.97	0.04	59,59,59,59	0
56	MG	1a	1765	1/1	0.97	0.06	49,49,49,49	0
56	MG	1A	3593	1/1	0.97	0.10	56,56,56,56	0
56	MG	2A	3845	1/1	0.97	0.08	42,42,42,42	0
56	MG	1A	3820	1/1	0.97	0.09	41,41,41,41	0
56	MG	2A	3849	1/1	0.97	0.10	44,44,44,44	0
56	MG	1A	4106	1/1	0.97	0.07	29,29,29,29	0
56	MG	2A	3852	1/1	0.97	0.05	49,49,49,49	0
56	MG	1A	4107	1/1	0.97	0.08	42,42,42,42	0
56	MG	2A	3575	1/1	0.97	0.06	39,39,39,39	0
56	MG	1A	3358	1/1	0.97	0.12	33,33,33,33	0
56	MG	1A	3360	1/1	0.97	0.20	31,31,31,31	0
56	MG	1a	1772	1/1	0.97	0.05	39,39,39,39	0
56	MG	2A	3859	1/1	0.97	0.06	53,53,53,53	0
56	MG	16	103	1/1	0.97	0.08	54,54,54,54	0
56	MG	1A	4110	1/1	0.97	0.06	56,56,56,56	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2a	3154	1/1	0.97	0.11	68,68,68,68	0
56	MG	2A	3581	1/1	0.97	0.07	25,25,25,25	0
56	MG	1A	4111	1/1	0.97	0.08	34,34,34,34	0
56	MG	1A	3080	1/1	0.97	0.14	42,42,42,42	0
56	MG	1A	3081	1/1	0.97	0.15	34,34,34,34	0
56	MG	1A	3248	1/1	0.97	0.16	47,47,47,47	0
56	MG	2A	3589	1/1	0.97	0.05	45,45,45,45	0
56	MG	2A	3347	1/1	0.97	0.12	51,51,51,51	0
56	MG	1A	3599	1/1	0.97	0.08	21,21,21,21	0
56	MG	1a	1780	1/1	0.97	0.06	74,74,74,74	0
56	MG	2A	3595	1/1	0.97	0.08	49,49,49,49	0
56	MG	2a	3169	1/1	0.97	0.07	51,51,51,51	0
56	MG	1A	3161	1/1	0.97	0.16	38,38,38,38	0
56	MG	1A	3365	1/1	0.97	0.09	53,53,53,53	0
56	MG	2A	3879	1/1	0.97	0.07	37,37,37,37	0
56	MG	1A	3713	1/1	0.97	0.14	62,62,62,62	0
56	MG	2A	3132	1/1	0.97	0.14	56,56,56,56	0
56	MG	2a	3175	1/1	0.97	0.06	46,46,46,46	0
56	MG	1A	3714	1/1	0.97	0.08	46,46,46,46	0
56	MG	2A	3602	1/1	0.97	0.06	42,42,42,42	0
56	MG	1A	3965	1/1	0.97	0.13	67,67,67,67	0
56	MG	2A	3135	1/1	0.97	0.07	43,43,43,43	0
56	MG	1A	3603	1/1	0.97	0.14	39,39,39,39	0
56	MG	2a	3181	1/1	0.97	0.06	69,69,69,69	0
56	MG	1A	3433	1/1	0.97	0.13	47,47,47,47	0
56	MG	2A	3142	1/1	0.97	0.16	41,41,41,41	0
56	MG	1A	3434	1/1	0.97	0.08	48,48,48,48	0
56	MG	1a	1792	1/1	0.97	0.06	59,59,59,59	0
56	MG	2A	3145	1/1	0.97	0.09	36,36,36,36	0
56	MG	1A	3606	1/1	0.97	0.10	36,36,36,36	0
56	MG	1a	1609	1/1	0.97	0.15	54,54,54,54	0
56	MG	1A	3510	1/1	0.97	0.05	45,45,45,45	0
56	MG	1A	4133	1/1	0.97	0.14	45,45,45,45	0
56	MG	1A	3972	1/1	0.97	0.06	60,60,60,60	0
56	MG	1a	1800	1/1	0.97	0.10	70,70,70,70	0
56	MG	1a	1614	1/1	0.97	0.11	45,45,45,45	0
56	MG	1A	3511	1/1	0.97	0.06	45,45,45,45	0
56	MG	2A	3904	1/1	0.97	0.16	41,41,41,41	0
56	MG	2A	3154	1/1	0.97	0.16	48,48,48,48	0
56	MG	2A	3621	1/1	0.97	0.08	51,51,51,51	0
56	MG	1A	4136	1/1	0.97	0.07	40,40,40,40	0
56	MG	1A	3366	1/1	0.97	0.05	38,38,38,38	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	3309	1/1	0.97	0.14	33,33,33,33	0
56	MG	1A	3611	1/1	0.97	0.06	25,25,25,25	0
56	MG	1a	1814	1/1	0.97	0.09	55,55,55,55	0
56	MG	1a	1621	1/1	0.97	0.06	42,42,42,42	0
56	MG	1A	4141	1/1	0.97	0.24	50,50,50,50	0
56	MG	2A	3163	1/1	0.97	0.10	56,56,56,56	0
56	MG	2A	3164	1/1	0.97	0.20	53,53,53,53	0
56	MG	2A	3633	1/1	0.97	0.11	55,55,55,55	0
56	MG	2A	3634	1/1	0.97	0.07	34,34,34,34	0
56	MG	2A	3165	1/1	0.97	0.20	49,49,49,49	0
56	MG	1a	1819	1/1	0.97	0.05	48,48,48,48	0
56	MG	2A	3385	1/1	0.97	0.13	52,52,52,52	0
56	MG	1a	1820	1/1	0.97	0.05	57,57,57,57	0
56	MG	1a	1821	1/1	0.97	0.05	62,62,62,62	0
56	MG	1A	3020	1/1	0.97	0.05	25,25,25,25	0
56	MG	1B	3001	1/1	0.97	0.20	48,48,48,48	0
56	MG	2a	3217	1/1	0.97	0.07	61,61,61,61	0
56	MG	1A	3515	1/1	0.97	0.09	29,29,29,29	0
56	MG	1A	3107	1/1	0.97	0.14	35,35,35,35	0
56	MG	1A	3108	1/1	0.97	0.29	43,43,43,43	0
56	MG	1A	3371	1/1	0.97	0.07	45,45,45,45	0
56	MG	1A	3620	1/1	0.97	0.12	25,25,25,25	0
56	MG	1A	3520	1/1	0.97	0.09	41,41,41,41	0
56	MG	1A	3372	1/1	0.97	0.12	58,58,58,58	0
56	MG	1A	3443	1/1	0.97	0.07	54,54,54,54	0
56	MG	1f	3001	1/1	0.97	0.12	34,34,34,34	0
56	MG	2A	3652	1/1	0.97	0.13	41,41,41,41	0
56	MG	1A	3524	1/1	0.97	0.05	47,47,47,47	0
56	MG	2A	3400	1/1	0.97	0.06	56,56,56,56	0
56	MG	2A	3401	1/1	0.97	0.12	52,52,52,52	0
56	MG	2A	3181	1/1	0.97	0.13	40,40,40,40	0
56	MG	2A	3657	1/1	0.97	0.16	39,39,39,39	0
56	MG	1A	3991	1/1	0.97	0.12	48,48,48,48	0
56	MG	1A	3083	1/1	0.97	0.15	44,44,44,44	0
56	MG	1A	3111	1/1	0.97	0.06	40,40,40,40	0
56	MG	1n	103	1/1	0.97	0.16	48,48,48,48	0
56	MG	1A	3211	1/1	0.97	0.07	49,49,49,49	0
56	MG	1B	3015	1/1	0.97	0.09	58,58,58,58	0
56	MG	1A	3043	1/1	0.97	0.06	39,39,39,39	0
56	MG	1A	3629	1/1	0.97	0.08	32,32,32,32	0
56	MG	1w	102	1/1	0.97	0.13	61,61,61,61	0
56	MG	1A	3138	1/1	0.97	0.25	36,36,36,36	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2a	3244	1/1	0.97	0.07	43,43,43,43	0
56	MG	1A	3449	1/1	0.97	0.06	41,41,41,41	0
56	MG	1A	3749	1/1	0.97	0.07	41,41,41,41	0
56	MG	1A	3379	1/1	0.97	0.09	37,37,37,37	0
56	MG	1A	3634	1/1	0.97	0.08	44,44,44,44	0
56	MG	2Q	3003	1/1	0.97	0.06	51,51,51,51	0
56	MG	1A	3532	1/1	0.97	0.16	36,36,36,36	0
56	MG	1A	3258	1/1	0.97	0.07	33,33,33,33	0
56	MG	1B	3027	1/1	0.97	0.04	35,35,35,35	0
56	MG	2A	3200	1/1	0.97	0.10	42,42,42,42	0
56	MG	2A	3677	1/1	0.97	0.27	35,35,35,35	0
56	MG	1A	4005	1/1	0.97	0.05	50,50,50,50	0
56	MG	1A	3864	1/1	0.97	0.13	35,35,35,35	0
56	MG	2A	3423	1/1	0.97	0.07	58,58,58,58	0
56	MG	1A	3381	1/1	0.97	0.07	43,43,43,43	0
56	MG	1a	1654	1/1	0.97	0.17	49,49,49,49	0
56	MG	1A	4008	1/1	0.97	0.06	56,56,56,56	0
56	MG	1A	4009	1/1	0.97	0.09	27,27,27,27	0
56	MG	1a	1658	1/1	0.97	0.12	57,57,57,57	0
56	MG	1A	3214	1/1	0.97	0.10	42,42,42,42	0
56	MG	1A	3640	1/1	0.97	0.09	53,53,53,53	0
56	MG	1A	3170	1/1	0.97	0.11	39,39,39,39	0
56	MG	1A	4013	1/1	0.97	0.04	33,33,33,33	0
56	MG	2A	3690	1/1	0.97	0.12	61,61,61,61	0
56	MG	2x	101	1/1	0.97	0.10	42,42,42,42	0
56	MG	1D	301	1/1	0.97	0.17	46,46,46,46	0
56	MG	2A	3215	1/1	0.97	0.09	37,37,37,37	0
56	MG	1A	4015	1/1	0.97	0.04	37,37,37,37	0
56	MG	1D	304	1/1	0.97	0.12	30,30,30,30	0
56	MG	1A	3139	1/1	0.97	0.08	48,48,48,48	0
56	MG	1A	4018	1/1	0.97	0.13	67,67,67,67	0
56	MG	2A	3697	1/1	0.97	0.06	34,34,34,34	0
56	MG	1A	3262	1/1	0.97	0.06	49,49,49,49	0
56	MG	2A	3222	1/1	0.97	0.10	38,38,38,38	0
56	MG	2y	3006	1/1	0.97	0.05	86,86,86,86	0
56	MG	1A	3263	1/1	0.97	0.13	52,52,52,52	0
56	MG	1a	1670	1/1	0.97	0.09	59,59,59,59	0
57	K	2A	3496	1/1	0.97	0.10	73,73,73,73	0
56	MG	1A	3761	1/1	0.97	0.09	51,51,51,51	0
56	MG	2A	3002	1/1	0.97	0.26	57,57,57,57	0
56	MG	1A	3663	1/1	0.98	0.05	28,28,28,28	0
56	MG	1A	3470	1/1	0.98	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
56	MG	2A	3846	1/1	0.98	0.05	47,47,47,47	0
56	MG	2A	3847	1/1	0.98	0.09	42,42,42,42	0
56	MG	1w	108	1/1	0.98	0.05	63,63,63,63	0
56	MG	2A	3650	1/1	0.98	0.11	41,41,41,41	0
56	MG	1A	3915	1/1	0.98	0.05	39,39,39,39	0
56	MG	1A	3106	1/1	0.98	0.06	25,25,25,25	0
56	MG	2A	3853	1/1	0.98	0.05	50,50,50,50	0
56	MG	1A	3237	1/1	0.98	0.19	38,38,38,38	0
56	MG	2A	3136	1/1	0.98	0.12	45,45,45,45	0
56	MG	2A	3137	1/1	0.98	0.04	42,42,42,42	0
56	MG	1A	3828	1/1	0.98	0.07	34,34,34,34	0
56	MG	2A	3139	1/1	0.98	0.15	32,32,32,32	0
56	MG	2A	3140	1/1	0.98	0.14	50,50,50,50	0
56	MG	1A	4139	1/1	0.98	0.05	35,35,35,35	0
56	MG	2A	3861	1/1	0.98	0.06	36,36,36,36	0
56	MG	2A	3862	1/1	0.98	0.07	71,71,71,71	0
56	MG	2A	3863	1/1	0.98	0.06	58,58,58,58	0
56	MG	1A	3204	1/1	0.98	0.12	26,26,26,26	0
56	MG	1A	3668	1/1	0.98	0.11	28,28,28,28	0
56	MG	2a	3089	1/1	0.98	0.18	65,65,65,65	0
56	MG	1A	3205	1/1	0.98	0.08	42,42,42,42	0
56	MG	1A	3275	1/1	0.98	0.07	44,44,44,44	0
56	MG	1A	3276	1/1	0.98	0.08	49,49,49,49	0
56	MG	1A	4030	1/1	0.98	0.05	44,44,44,44	0
56	MG	1A	3174	1/1	0.98	0.20	38,38,38,38	0
56	MG	1A	3927	1/1	0.98	0.04	47,47,47,47	0
56	MG	2A	3668	1/1	0.98	0.06	45,45,45,45	0
56	MG	1A	3673	1/1	0.98	0.09	29,29,29,29	0
56	MG	1A	4034	1/1	0.98	0.05	51,51,51,51	0
56	MG	1A	4035	1/1	0.98	0.04	46,46,46,46	0
56	MG	2A	3877	1/1	0.98	0.14	28,28,28,28	0
56	MG	1A	3930	1/1	0.98	0.04	30,30,30,30	0
56	MG	1a	1716	1/1	0.98	0.06	53,53,53,53	0
56	MG	1x	116	1/1	0.98	0.04	59,59,59,59	0
56	MG	1A	3241	1/1	0.98	0.07	44,44,44,44	0
56	MG	2A	3882	1/1	0.98	0.06	44,44,44,44	0
56	MG	2A	3157	1/1	0.98	0.09	58,58,58,58	0
56	MG	1A	3933	1/1	0.98	0.05	47,47,47,47	0
56	MG	2A	3491	1/1	0.98	0.16	55,55,55,55	0
56	MG	1A	3837	1/1	0.98	0.10	21,21,21,21	0
56	MG	1A	3535	1/1	0.98	0.18	45,45,45,45	0
56	MG	1A	3536	1/1	0.98	0.15	37,37,37,37	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	3279	1/1	0.98	0.05	38,38,38,38	0
56	MG	2a	3113	1/1	0.98	0.13	46,46,46,46	0
56	MG	1A	3014	1/1	0.98	0.05	31,31,31,31	0
56	MG	1a	1724	1/1	0.98	0.06	36,36,36,36	0
56	MG	1A	3481	1/1	0.98	0.09	39,39,39,39	0
56	MG	1B	3018	1/1	0.98	0.04	37,37,37,37	0
56	MG	1A	3941	1/1	0.98	0.04	46,46,46,46	0
56	MG	2A	3896	1/1	0.98	0.19	39,39,39,39	0
56	MG	1A	3176	1/1	0.98	0.05	37,37,37,37	0
56	MG	2A	3009	1/1	0.98	0.06	31,31,31,31	0
56	MG	1A	3177	1/1	0.98	0.14	38,38,38,38	0
56	MG	1A	3178	1/1	0.98	0.10	21,21,21,21	0
56	MG	1A	4050	1/1	0.98	0.12	32,32,32,32	0
56	MG	1a	1732	1/1	0.98	0.08	48,48,48,48	0
56	MG	1A	3071	1/1	0.98	0.10	38,38,38,38	0
56	MG	1A	3072	1/1	0.98	0.07	19,19,19,19	0
56	MG	1B	3026	1/1	0.98	0.04	42,42,42,42	0
56	MG	1A	3286	1/1	0.98	0.31	49,49,49,49	0
56	MG	2A	3512	1/1	0.98	0.04	53,53,53,53	0
56	MG	2A	3513	1/1	0.98	0.08	34,34,34,34	0
56	MG	1A	3767	1/1	0.98	0.07	41,41,41,41	0
56	MG	2a	3133	1/1	0.98	0.07	54,54,54,54	0
56	MG	2A	3701	1/1	0.98	0.08	64,64,64,64	0
56	MG	1A	3287	1/1	0.98	0.13	30,30,30,30	0
56	MG	2A	3020	1/1	0.98	0.17	49,49,49,49	0
56	MG	2A	3021	1/1	0.98	0.07	28,28,28,28	0
56	MG	2A	3519	1/1	0.98	0.06	33,33,33,33	0
56	MG	1A	3547	1/1	0.98	0.06	53,53,53,53	0
56	MG	2a	3140	1/1	0.98	0.04	57,57,57,57	0
56	MG	1a	1741	1/1	0.98	0.06	34,34,34,34	0
56	MG	2A	3184	1/1	0.98	0.13	48,48,48,48	0
56	MG	2a	3143	1/1	0.98	0.05	73,73,73,73	0
56	MG	1A	4057	1/1	0.98	0.06	40,40,40,40	0
56	MG	1A	3015	1/1	0.98	0.07	40,40,40,40	0
56	MG	2A	3525	1/1	0.98	0.07	34,34,34,34	0
56	MG	2a	3147	1/1	0.98	0.10	49,49,49,49	0
56	MG	1A	3771	1/1	0.98	0.08	49,49,49,49	0
56	MG	2A	3027	1/1	0.98	0.16	48,48,48,48	0
56	MG	2A	3714	1/1	0.98	0.07	39,39,39,39	0
56	MG	1A	3549	1/1	0.98	0.05	38,38,38,38	0
56	MG	2A	3357	1/1	0.98	0.05	39,39,39,39	0
56	MG	1a	1611	1/1	0.98	0.06	22,22,22,22	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	3289	1/1	0.98	0.07	52,52,52,52	0
56	MG	1A	3617	1/1	0.98	0.07	33,33,33,33	0
56	MG	1a	1749	1/1	0.98	0.10	45,45,45,45	0
56	MG	2a	3157	1/1	0.98	0.06	64,64,64,64	0
56	MG	1A	3290	1/1	0.98	0.08	46,46,46,46	0
56	MG	2A	3723	1/1	0.98	0.05	50,50,50,50	0
56	MG	1A	3619	1/1	0.98	0.13	31,31,31,31	0
56	MG	2a	3162	1/1	0.98	0.03	62,62,62,62	0
56	MG	1D	303	1/1	0.98	0.13	37,37,37,37	0
56	MG	1A	3439	1/1	0.98	0.09	40,40,40,40	0
56	MG	2A	3037	1/1	0.98	0.05	35,35,35,35	0
56	MG	1A	3056	1/1	0.98	0.10	28,28,28,28	0
56	MG	2A	3729	1/1	0.98	0.05	41,41,41,41	0
56	MG	2A	3368	1/1	0.98	0.06	47,47,47,47	0
56	MG	1a	1619	1/1	0.98	0.06	62,62,62,62	0
56	MG	1A	3011	1/1	0.98	0.12	46,46,46,46	0
56	MG	1A	3035	1/1	0.98	0.09	20,20,20,20	0
56	MG	1A	3046	1/1	0.98	0.12	32,32,32,32	0
56	MG	2A	3204	1/1	0.98	0.13	48,48,48,48	0
56	MG	1A	3295	1/1	0.98	0.05	48,48,48,48	0
56	MG	1A	3296	1/1	0.98	0.08	58,58,58,58	0
56	MG	1A	3701	1/1	0.98	0.08	48,48,48,48	0
56	MG	2F	303	1/1	0.98	0.04	48,48,48,48	0
56	MG	2F	304	1/1	0.98	0.17	53,53,53,53	0
56	MG	1A	3702	1/1	0.98	0.07	34,34,34,34	0
56	MG	2A	3551	1/1	0.98	0.07	39,39,39,39	0
56	MG	1E	303	1/1	0.98	0.08	26,26,26,26	0
56	MG	1A	3394	1/1	0.98	0.05	35,35,35,35	0
56	MG	2A	3211	1/1	0.98	0.06	43,43,43,43	0
56	MG	1A	3561	1/1	0.98	0.28	48,48,48,48	0
56	MG	1A	4077	1/1	0.98	0.10	11,11,11,11	0
56	MG	1A	3297	1/1	0.98	0.13	32,32,32,32	0
56	MG	1A	3186	1/1	0.98	0.08	39,39,39,39	0
56	MG	1A	4080	1/1	0.98	0.10	23,23,23,23	0
56	MG	1a	1634	1/1	0.98	0.05	27,27,27,27	0
56	MG	1E	310	1/1	0.98	0.03	42,42,42,42	0
56	MG	1A	3036	1/1	0.98	0.12	31,31,31,31	0
56	MG	1A	3974	1/1	0.98	0.06	45,45,45,45	0
56	MG	2A	3564	1/1	0.98	0.06	31,31,31,31	0
56	MG	1A	3098	1/1	0.98	0.11	25,25,25,25	0
56	MG	1A	3118	1/1	0.98	0.09	38,38,38,38	0
56	MG	2A	3567	1/1	0.98	0.04	50,50,50,50	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1F	304	1/1	0.98	0.17	40,40,40,40	0
56	MG	2X	101	1/1	0.98	0.03	37,37,37,37	0
56	MG	1A	3037	1/1	0.98	0.11	40,40,40,40	0
56	MG	1A	3303	1/1	0.98	0.08	33,33,33,33	0
56	MG	1A	3223	1/1	0.98	0.08	32,32,32,32	0
56	MG	1A	3038	1/1	0.98	0.07	50,50,50,50	0
56	MG	1A	3141	1/1	0.98	0.06	35,35,35,35	0
56	MG	1A	3063	1/1	0.98	0.08	38,38,38,38	0
56	MG	1A	3717	1/1	0.98	0.08	22,22,22,22	0
56	MG	2A	3069	1/1	0.98	0.06	40,40,40,40	0
56	MG	1a	1785	1/1	0.98	0.04	55,55,55,55	0
56	MG	1A	3984	1/1	0.98	0.09	34,34,34,34	0
56	MG	1a	1787	1/1	0.98	0.05	72,72,72,72	0
56	MG	1A	3801	1/1	0.98	0.04	28,28,28,28	0
56	MG	2a	3212	1/1	0.98	0.10	51,51,51,51	0
56	MG	1A	3986	1/1	0.98	0.08	22,22,22,22	0
56	MG	2A	3075	1/1	0.98	0.08	37,37,37,37	0
56	MG	1A	3355	1/1	0.98	0.18	47,47,47,47	0
56	MG	2A	3584	1/1	0.98	0.12	37,37,37,37	0
56	MG	2A	3585	1/1	0.98	0.05	43,43,43,43	0
56	MG	1a	1791	1/1	0.98	0.05	54,54,54,54	0
56	MG	2A	3587	1/1	0.98	0.05	37,37,37,37	0
56	MG	1A	4098	1/1	0.98	0.06	45,45,45,45	0
56	MG	1N	203	1/1	0.98	0.05	48,48,48,48	0
56	MG	1A	3988	1/1	0.98	0.04	68,68,68,68	0
56	MG	1A	3122	1/1	0.98	0.06	44,44,44,44	0
56	MG	1A	3644	1/1	0.98	0.04	33,33,33,33	0
56	MG	2A	3594	1/1	0.98	0.04	38,38,38,38	0
56	MG	1A	3887	1/1	0.98	0.09	31,31,31,31	0
56	MG	2A	3785	1/1	0.98	0.16	45,45,45,45	0
56	MG	2A	3084	1/1	0.98	0.04	45,45,45,45	0
56	MG	2A	3787	1/1	0.98	0.04	64,64,64,64	0
56	MG	1a	1799	1/1	0.98	0.05	49,49,49,49	0
56	MG	2A	3250	1/1	0.98	0.06	41,41,41,41	0
56	MG	1A	3050	1/1	0.98	0.14	32,32,32,32	0
56	MG	2A	3600	1/1	0.98	0.06	40,40,40,40	0
56	MG	1A	3229	1/1	0.98	0.17	33,33,33,33	0
56	MG	1A	3578	1/1	0.98	0.14	33,33,33,33	0
56	MG	1a	1805	1/1	0.98	0.05	47,47,47,47	0
56	MG	1A	3891	1/1	0.98	0.04	41,41,41,41	0
56	MG	1a	1808	1/1	0.98	0.05	53,53,53,53	0
56	MG	1a	1809	1/1	0.98	0.05	56,56,56,56	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3093	1/1	0.98	0.09	54,54,54,54	0
56	MG	2a	3241	1/1	0.98	0.04	41,41,41,41	0
56	MG	1A	3516	1/1	0.98	0.15	25,25,25,25	0
56	MG	1A	3359	1/1	0.98	0.09	38,38,38,38	0
56	MG	1P	201	1/1	0.98	0.04	26,26,26,26	0
56	MG	1P	202	1/1	0.98	0.06	31,31,31,31	0
56	MG	1P	203	1/1	0.98	0.15	30,30,30,30	0
56	MG	2f	3001	1/1	0.98	0.08	41,41,41,41	0
56	MG	2A	3804	1/1	0.98	0.12	31,31,31,31	0
56	MG	1A	3145	1/1	0.98	0.13	32,32,32,32	0
56	MG	1Q	201	1/1	0.98	0.08	36,36,36,36	0
56	MG	2A	3807	1/1	0.98	0.06	61,61,61,61	0
56	MG	2l	201	1/1	0.98	0.04	66,66,66,66	0
56	MG	1Q	202	1/1	0.98	0.04	46,46,46,46	0
56	MG	1A	3168	1/1	0.98	0.08	42,42,42,42	0
56	MG	1a	1822	1/1	0.98	0.10	54,54,54,54	0
56	MG	2A	3618	1/1	0.98	0.06	39,39,39,39	0
56	MG	1A	3653	1/1	0.98	0.08	27,27,27,27	0
56	MG	1A	3009	1/1	0.98	0.04	24,24,24,24	0
56	MG	1A	3731	1/1	0.98	0.04	17,17,17,17	0
56	MG	1R	201	1/1	0.98	0.17	30,30,30,30	0
56	MG	1A	4114	1/1	0.98	0.04	34,34,34,34	0
56	MG	2A	3624	1/1	0.98	0.04	32,32,32,32	0
56	MG	1A	4115	1/1	0.98	0.15	51,51,51,51	0
56	MG	1A	3314	1/1	0.98	0.05	33,33,33,33	0
56	MG	1A	3656	1/1	0.98	0.05	46,46,46,46	0
56	MG	1A	4118	1/1	0.98	0.10	36,36,36,36	0
56	MG	1A	4119	1/1	0.98	0.07	34,34,34,34	0
56	MG	1A	3902	1/1	0.98	0.08	33,33,33,33	0
56	MG	2A	3826	1/1	0.98	0.14	54,54,54,54	0
56	MG	1A	4122	1/1	0.98	0.04	41,41,41,41	0
56	MG	1A	3903	1/1	0.98	0.06	40,40,40,40	0
56	MG	1A	3010	1/1	0.98	0.14	39,39,39,39	0
56	MG	1A	3523	1/1	0.98	0.07	44,44,44,44	0
56	MG	1A	4126	1/1	0.98	0.12	45,45,45,45	0
56	MG	1U	206	1/1	0.98	0.14	32,32,32,32	0
56	MG	2A	3121	1/1	0.98	0.12	42,42,42,42	0
56	MG	1A	3736	1/1	0.98	0.09	46,46,46,46	0
56	MG	1A	3069	1/1	0.98	0.12	20,20,20,20	0
56	MG	1A	3738	1/1	0.98	0.04	43,43,43,43	0
56	MG	2A	3125	1/1	0.98	0.14	44,44,44,44	0
56	MG	1A	3172	1/1	0.98	0.05	43,43,43,43	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	3910	1/1	0.98	0.04	76,76,76,76	0
56	MG	2A	3841	1/1	0.98	0.04	30,30,30,30	0
58	ZN	14	501	1/1	0.98	0.05	99,99,99,99	0
58	ZN	2Y	501	1/1	0.98	0.04	81,81,81,81	0
56	MG	1A	3662	1/1	0.98	0.07	30,30,30,30	0
58	ZN	25	102	1/1	0.98	0.15	68,68,68,68	0
56	MG	1W	205	1/1	0.98	0.05	39,39,39,39	0
59	SF4	1d	501	8/8	0.98	0.05	59,71,76,86	0
59	SF4	2d	501	8/8	0.98	0.05	61,71,85,99	0
56	MG	1D	306	1/1	0.99	0.10	32,32,32,32	0
56	MG	1A	3739	1/1	0.99	0.04	39,39,39,39	0
56	MG	1l	201	1/1	0.99	0.11	43,43,43,43	0
56	MG	1D	308	1/1	0.99	0.06	48,48,48,48	0
56	MG	1A	3740	1/1	0.99	0.09	28,28,28,28	0
56	MG	1a	1653	1/1	0.99	0.04	54,54,54,54	0
56	MG	1A	3032	1/1	0.99	0.17	31,31,31,31	0
56	MG	1a	1655	1/1	0.99	0.03	43,43,43,43	0
56	MG	2A	3851	1/1	0.99	0.04	46,46,46,46	0
56	MG	2A	3538	1/1	0.99	0.04	35,35,35,35	0
56	MG	1A	3924	1/1	0.99	0.03	50,50,50,50	0
56	MG	1A	3925	1/1	0.99	0.04	14,14,14,14	0
56	MG	2A	3319	1/1	0.99	0.04	49,49,49,49	0
56	MG	1A	3041	1/1	0.99	0.20	38,38,38,38	0
56	MG	1A	4004	1/1	0.99	0.04	29,29,29,29	0
56	MG	1A	3027	1/1	0.99	0.04	33,33,33,33	0
56	MG	1A	4096	1/1	0.99	0.05	30,30,30,30	0
56	MG	2A	3251	1/1	0.99	0.06	42,42,42,42	0
56	MG	1A	3928	1/1	0.99	0.11	31,31,31,31	0
56	MG	1A	3967	1/1	0.99	0.05	65,65,65,65	0
56	MG	1A	3773	1/1	0.99	0.04	41,41,41,41	0
56	MG	1A	3065	1/1	0.99	0.13	33,33,33,33	0
56	MG	1A	3896	1/1	0.99	0.12	47,47,47,47	0
56	MG	1A	3932	1/1	0.99	0.06	45,45,45,45	0
56	MG	1A	3602	1/1	0.99	0.08	25,25,25,25	0
56	MG	2A	3049	1/1	0.99	0.07	23,23,23,23	0
56	MG	1U	207	1/1	0.99	0.13	31,31,31,31	0
56	MG	2A	3870	1/1	0.99	0.05	33,33,33,33	0
56	MG	2A	3632	1/1	0.99	0.03	41,41,41,41	0
56	MG	1A	3030	1/1	0.99	0.04	34,34,34,34	0
56	MG	1A	4014	1/1	0.99	0.03	34,34,34,34	0
56	MG	1A	3935	1/1	0.99	0.05	50,50,50,50	0
56	MG	1A	3747	1/1	0.99	0.09	53,53,53,53	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	4017	1/1	0.99	0.05	36,36,36,36	0
56	MG	1W	202	1/1	0.99	0.13	50,50,50,50	0
56	MG	1W	203	1/1	0.99	0.05	30,30,30,30	0
56	MG	1A	3200	1/1	0.99	0.15	23,23,23,23	0
56	MG	1a	1796	1/1	0.99	0.03	59,59,59,59	0
56	MG	1A	3003	1/1	0.99	0.05	27,27,27,27	0
56	MG	1A	3551	1/1	0.99	0.14	37,37,37,37	0
56	MG	1A	3084	1/1	0.99	0.04	34,34,34,34	0
56	MG	1a	1739	1/1	0.99	0.03	36,36,36,36	0
56	MG	1a	1801	1/1	0.99	0.03	53,53,53,53	0
56	MG	1a	1802	1/1	0.99	0.06	52,52,52,52	0
56	MG	1A	3650	1/1	0.99	0.07	35,35,35,35	0
56	MG	2a	3160	1/1	0.99	0.04	49,49,49,49	0
56	MG	1A	4023	1/1	0.99	0.04	47,47,47,47	0
56	MG	1A	3414	1/1	0.99	0.04	39,39,39,39	0
56	MG	20	3002	1/1	0.99	0.03	63,63,63,63	0
56	MG	1X	106	1/1	0.99	0.06	29,29,29,29	0
56	MG	1a	1807	1/1	0.99	0.04	67,67,67,67	0
56	MG	1A	3085	1/1	0.99	0.10	30,30,30,30	0
56	MG	2a	3167	1/1	0.99	0.03	69,69,69,69	0
56	MG	2A	3732	1/1	0.99	0.07	42,42,42,42	0
56	MG	1A	3726	1/1	0.99	0.04	48,48,48,48	0
56	MG	2A	3895	1/1	0.99	0.09	46,46,46,46	0
56	MG	1a	1810	1/1	0.99	0.03	51,51,51,51	0
56	MG	1A	3068	1/1	0.99	0.10	38,38,38,38	0
56	MG	1A	3946	1/1	0.99	0.03	49,49,49,49	0
56	MG	1A	3097	1/1	0.99	0.03	35,35,35,35	0
56	MG	1A	4121	1/1	0.99	0.09	34,34,34,34	0
56	MG	2A	3901	1/1	0.99	0.12	59,59,59,59	0
56	MG	2A	3817	1/1	0.99	0.03	56,56,56,56	0
56	MG	1A	3632	1/1	0.99	0.03	34,34,34,34	0
56	MG	1a	1816	1/1	0.99	0.04	48,48,48,48	0
56	MG	2A	3820	1/1	0.99	0.06	49,49,49,49	0
56	MG	1a	1817	1/1	0.99	0.04	79,79,79,79	0
56	MG	1A	4075	1/1	0.99	0.03	42,42,42,42	0
56	MG	1A	3612	1/1	0.99	0.05	41,41,41,41	0
56	MG	2A	3221	1/1	0.99	0.08	48,48,48,48	0
56	MG	2A	3514	1/1	0.99	0.04	32,32,32,32	0
56	MG	1A	3508	1/1	0.99	0.11	36,36,36,36	0
56	MG	1A	3635	1/1	0.99	0.05	32,32,32,32	0
56	MG	1A	3914	1/1	0.99	0.07	53,53,53,53	0
56	MG	2A	3593	1/1	0.99	0.05	30,30,30,30	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	3707	1/1	0.99	0.09	29,29,29,29	0
56	MG	1l	102	1/1	0.99	0.04	36,36,36,36	0
56	MG	1a	1825	1/1	0.99	0.14	37,37,37,37	0
56	MG	1A	4081	1/1	0.99	0.08	44,44,44,44	0
56	MG	1B	3036	1/1	0.99	0.03	36,36,36,36	0
56	MG	2A	3835	1/1	0.99	0.03	43,43,43,43	0
56	MG	1A	3375	1/1	0.99	0.08	43,43,43,43	0
58	ZN	15	101	1/1	0.99	0.09	37,37,37,37	0
58	ZN	19	103	1/1	0.99	0.04	44,44,44,44	0
58	ZN	1n	101	1/1	0.99	0.04	71,71,71,71	0
56	MG	1A	3109	1/1	0.99	0.13	35,35,35,35	0
56	MG	1A	3661	1/1	0.99	0.07	32,32,32,32	0
56	MG	2A	3233	1/1	0.99	0.10	32,32,32,32	0
58	ZN	26	501	1/1	0.99	0.03	60,60,60,60	0
58	ZN	29	101	1/1	0.99	0.04	73,73,73,73	0
56	MG	1A	4039	1/1	0.99	0.02	21,21,21,21	0
56	MG	1A	3577	1/1	0.99	0.09	27,27,27,27	0
56	MG	1A	3055	1/1	0.99	0.11	43,43,43,43	0
56	MG	1A	3873	1/1	1.00	0.07	35,35,35,35	0
58	ZN	1Y	501	1/1	1.00	0.03	60,60,60,60	0
56	MG	1a	1763	1/1	1.00	0.09	55,55,55,55	0
56	MG	2A	3715	1/1	1.00	0.04	46,46,46,46	0
58	ZN	16	102	1/1	1.00	0.04	44,44,44,44	0

6.5 Other polymers [i](#)

There are no such residues in this entry.