



wwPDB X-ray Structure Validation Summary Report ⓘ

Aug 4, 2026 – 05:16 AM EDT

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.

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A user guide is available at

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

with specific help available everywhere you see the ⓘ symbol.

The types of validation reports are described at

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

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

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

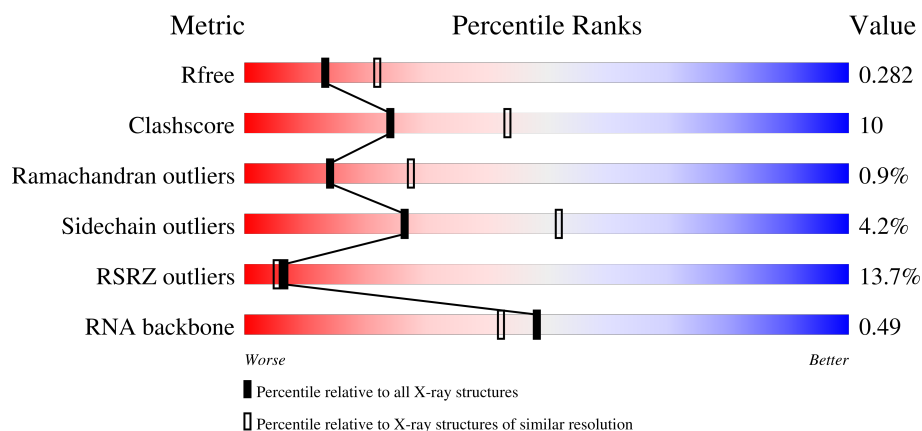
1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

X-RAY DIFFRACTION

The reported resolution of this entry is 2.50 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}	180053	5829 (2.50-2.50)
Clashscore	190562	6492 (2.50-2.50)
Ramachandran outliers	187476	6378 (2.50-2.50)
Sidechain outliers	187428	6380 (2.50-2.50)
RSRZ outliers	180081	5833 (2.50-2.50)
RNA backbone	3983	1003 (2.78-2.22)

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	5% 65% 27% 6%
1	2A	2915	3% 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).

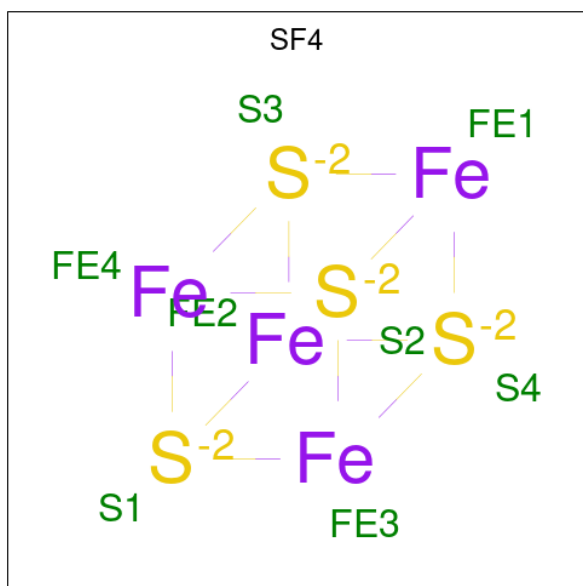
Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
58	1Y	1	Total 1	Zn 1	0	0
58	14	1	Total 1	Zn 1	0	0
58	15	1	Total 1	Zn 1	0	0
58	16	1	Total 1	Zn 1	0	0
58	19	1	Total 1	Zn 1	0	0

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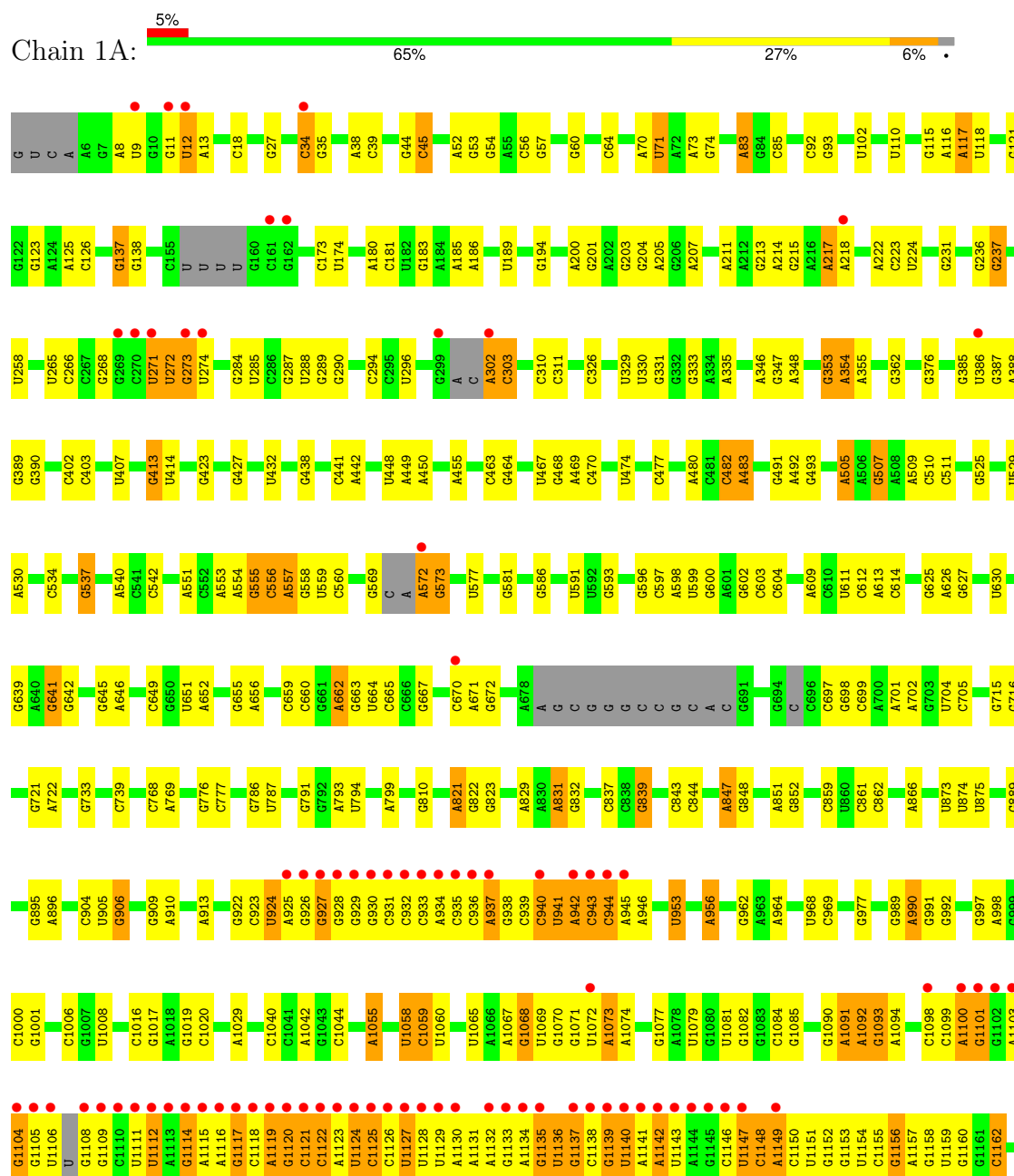
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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
60	2t	4	Total 4	O 4	0	0
60	2u	1	Total 1	O 1	0	0
60	2v	1	Total 1	O 1	0	0
60	2w	2	Total 2	O 2	0	0
60	2x	7	Total 7	O 7	0	0
60	2y	19	Total 19	O 19	0	0

3 Residue-property plots [i](#)

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

• Molecule 1: 23S Ribosomal RNA



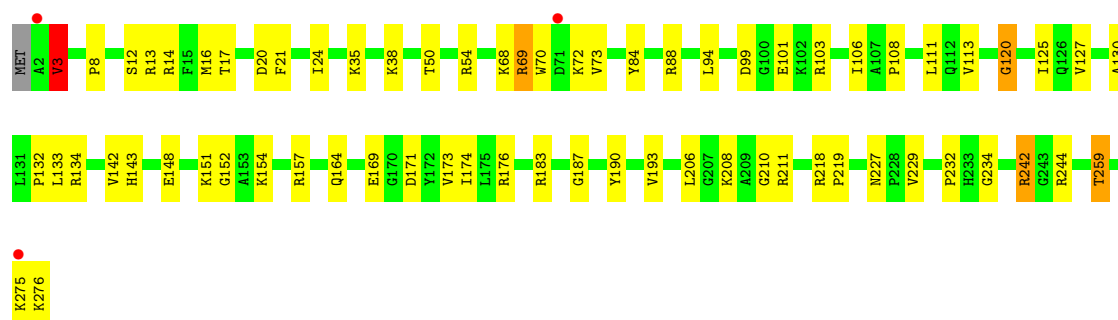
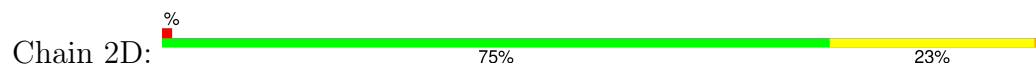
A2726	A2603	G2452	A2340	G2231	C2160	G2071	A1958	A1833	U1739	G1538	G1475	A1320	G1171
G2727	G2604	C2453	G2341	A2237	C2161	C2072	A1959	A1834	U1740	A1589	C1476	A1321	C1180
G2735	A2615	G2457	G2346	A2237	G2163	A2073	A1960	A1846	G1742	A1592	C1477	G1322	G1181
C2736	G2616	G2457	A2347	U2245	C2164	G2078	U1961	G1848	G1743	C1593	C1478	G1323	C1180
U2739	U2617	G2460	A2348	G2246	C2165	G2077	C1964	G1848	A1747	C1594	A1491	A1324	A1188
U2740	G2618	G2467	G2359	G2250	U2166	G2078	C1964	G1848	A1747	C1594	A1491	U1338	A1188
U2741	G2619	G2467	G2359	G2251	C2167	A2081	U1977	G1857	G1750	A1605	C1339	C1339	G1195
G2742	G2620	C2473	C2362	U2255	U2171	A2082	U1977	C1858	G1750	A1613	C1343	C1343	A1201
C2743	U2621	U2474	A2362	U2256	U2172	G2083	C1984	A1860	U1756	A1496	C1343	A1202	A1202
A2746	G2622	C2475	C2367	U2256	G2173	A2084	U1985	C1861	C1757	A1616	U1346	U1346	G1210
U2759	U2623	G2476	C2368	G2262	G2174	G2091	C1989	G1874	C1758	U1625	A1347	A1347	G1211
G2760	G2624	C2486	U2369	G2263	G2175	U2108	C1990	A1878	U1760	A1627	A1348	A1348	U1211
A2764	G2625	A2488	G2370	G2264	G2176	G2109	A1992	U1882	U1765	G1628	G1349	G1349	U1212
U2765	G2626	G2495	C2371	G2264	G2177	G2115	A1994	C1883	U1765	C1631	C1361	C1361	U1213
A2766	G2627	C2495	A2372	A2280	G2178	G2116	C1995	U1889	U1765	A1632	U1525	U1525	G1217
C2766	G2628	A2500	A2373	A2281	G2179	G2116	C1995	C1883	U1765	A1632	C1525	C1525	G1218
U2767	G2629	A2500	C2376	G2282	A2180	G2116	C1995	U1889	U1765	A1632	C1525	C1525	A1219
C2768	G2630	C2511	G2377	G2283	G2181	U2121	C1995	U1889	U1765	A1632	C1525	C1525	A1220
U2769	G2631	C2511	G2377	A2285	G2182	G2122	C1995	U1889	U1765	A1632	C1525	C1525	A1221
A2770	G2632	C2511	G2377	A2286	G2183	G2122	C1995	U1889	U1765	A1632	C1525	C1525	A1222
A2771	G2633	G2514	G2384	G2287	C2184	G2123	C1995	U1889	U1765	A1632	C1525	C1525	C1223
G2772	G2634	G2514	G2384	G2287	C2185	U2124	C2001	G1892	C1785	G1639	C1391	C1391	G1228
G2776	G2635	A2515	A2388	G2288	G2186	C2125	G2007	C1897	A1786	G1640	U1398	U1398	G1229
A2777	G2636	U2516	A2389	G2289	G2187	G2126	G2007	A1898	G1787	U1546	U1402	U1402	U1232
A2778	G2637	U2517	A2390	A2290	G2188	C2127	A2008	A1899	U1788	C1547	U1402	U1402	U1233
C2779	G2638	U2518	G2395	G2291	U2189	G2128	G2011	C1904	G1789	A1654	A1405	A1405	U1243
U2780	G2639	G2530	G2396	G2292	G2190	C2129	G2011	C1904	U1793	U1549	A1406	A1406	U1244
A2781	G2640	A2530	C2397	G2293	A2191	C2130	G2014	C1908	G1794	U1550	A1406	A1406	U1245
G2782	G2641	A2541	U2402	C2295	A2192	U2131	U2015	A1911	G1795	C1551	C1410	C1410	U1246
C2783	G2642	A2542	U2402	C2296	A2193	C2132	U2015	A1911	G1795	C1552	C1411	C1411	U1247
C2784	G2643	A2542	G2411	C2297	U2194	C2133	C2018	A1804	A1804	A1553	U1418	U1418	A1255
C2785	G2644	A2545	G2411	A2298	U2195	C2134	C2019	C1805	A1805	A1554	U1418	U1418	U1256
A2791	G2645	A2546	U2418	A2299	C2196	U2135	G2019	U1806	U1806	C1555	U1418	U1418	U1257
G2796	G2646	A2546	U2418	C2295	C2197	G2137	A2023	U1809	U1809	A1556	A1425	A1425	G1273
C2797	G2647	A2546	G2419	C2296	A2198	G2137	G2024	U1810	U1810	U1560	G1426	G1426	U1273
C2798	G2648	A2546	U2420	C2297	A2199	A2139	G2024	A1811	A1811	C1561	U1426	U1426	U1274
U2799	G2649	A2546	G2422	A2298	U2199	U2140	G2034	C1812	C1812	C1562	A1430	A1430	U1275
C2800	G2650	A2546	G2422	A2299	U2199	A2141	A2035	C1813	C1813	G1689	G1431	G1431	U1276
C2801	G2651	A2546	C2429	G2314	G2203	G2142	A2041	A1814	A1814	U1566	U1441	U1441	G1281
C2802	G2652	A2546	U2431	G2315	G2204	U2144	A2042	A1815	A1815	G1567	A1441	A1441	G1282
A2803	G2653	A2546	U2431	G2316	G2205	U2144	C2043	A1816	A1816	U1568	U1442	U1442	G1283
G2804	G2654	A2546	A2434	G2320	G2206	G2145	U2044	A1936	A1936	U1569	U1451	U1451	G1284
U2805	G2655	A2546	U2435	A2321	G2207	G2146	G2045	A1937	A1937	U1570	U1452	U1452	G1285
G2806	G2656	A2546	A2437	A2321	G2208	G2147	G2045	U1937	U1937	G1572	C1453	C1453	A1289
C2807	G2657	A2546	A2437	U2324	U2211	A2148	G2051	A1938	C1821	G1573	U1453	U1453	A1290
G2808	G2658	A2546	A2437	U2324	U2212	C2150	A2052	U1939	A1822	G1573	U1453	U1453	A1291
U2809	G2659	A2546	A2438	G2327	G2213	C2151	A2053	U1940	G1823	C1579	G1462	G1462	G1302
G2810	G2660	A2546	C2439	C2328	G2214	U2152	A2054	A1941	C1824	G	G1463	G1463	U1303
C2811	G2661	A2546	G2441	G2331	G2215	G2153	A2055	C1942	U1825	U	G1464	G1464	G1304
A2812	G2662	A2546	A2442	G2332	U2154	U2154	A2056	C1942	C1826	A	G1465	G1465	G1305
C2813	G2663	A2546	U2443	A2332	U2155	U2155	U2056	U1827	U1827	C	G1466	G1466	G1306
G2814	G2664	A2546	U2443	A2332	U2156	A2156	G2057	U1945	U1945	G1584	G1467	G1467	G1307
U2714	G2665	A2546	A2447	G2337	G2227	A2157	C2061	C1946	U1828	G1585	A1473	A1473	G1308
U2724	G2666	A2546	A2447	G2337	G2228	C2158	C2061	C1946	U1829	G1586	A1474	A1474	G1309
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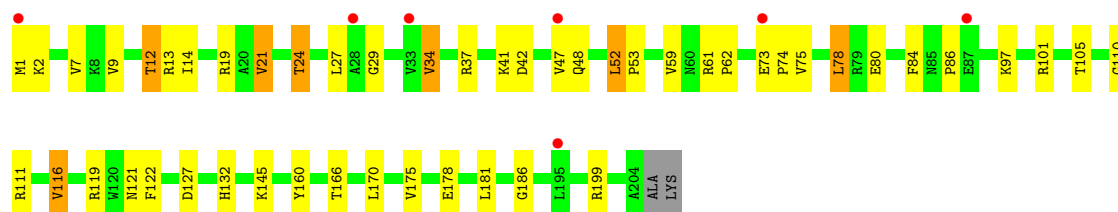
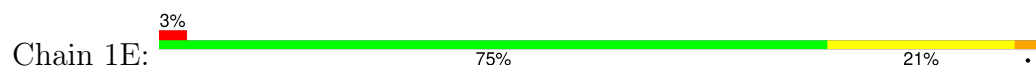




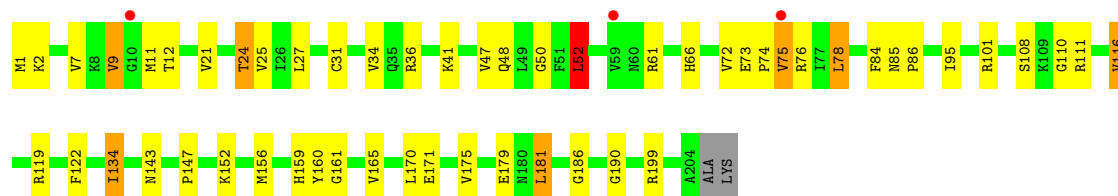
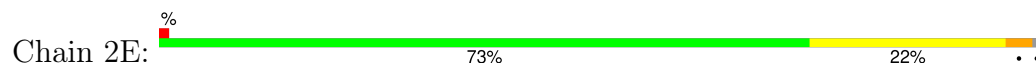
- Molecule 3: 50S ribosomal protein L2



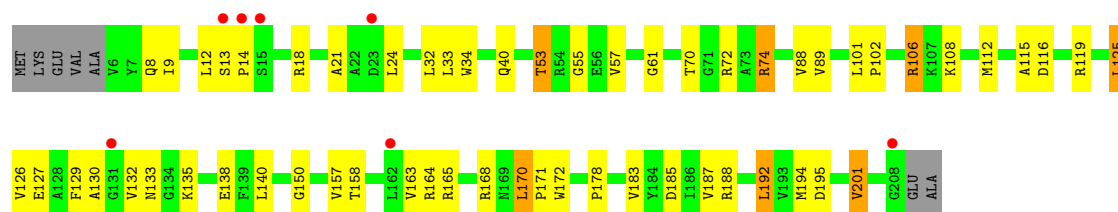
- Molecule 4: 50S ribosomal protein L3



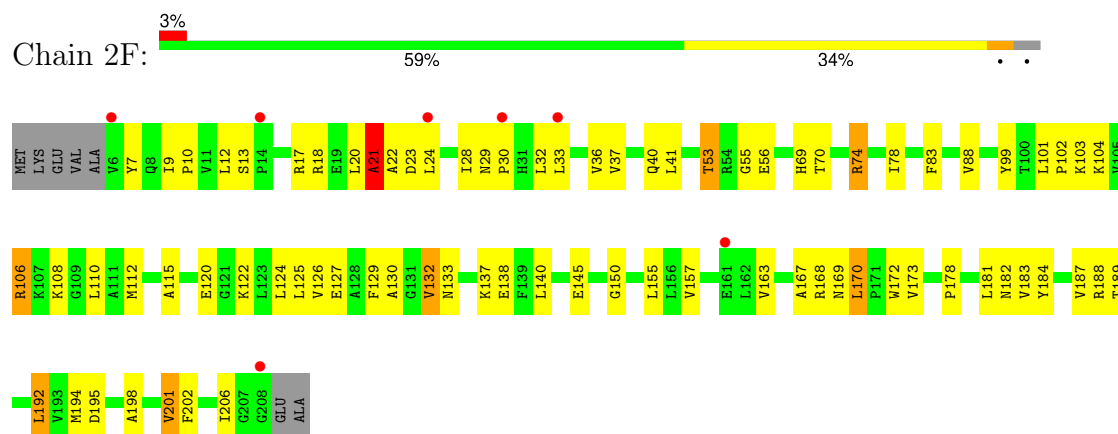
- Molecule 4: 50S ribosomal protein L3



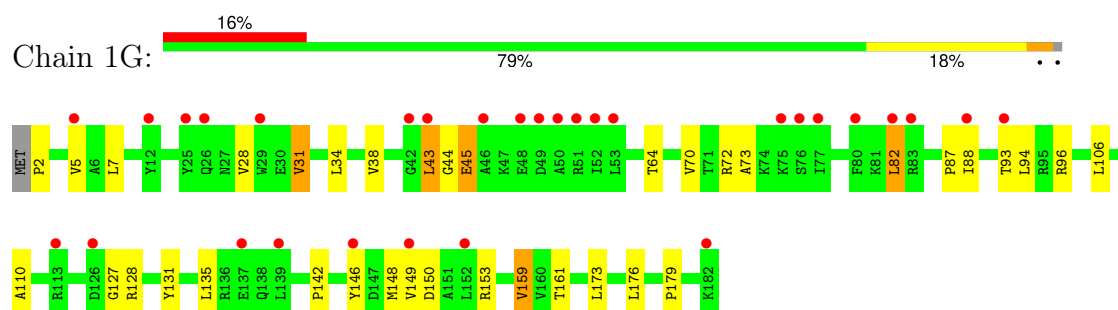
- Molecule 5: 50S ribosomal protein L4



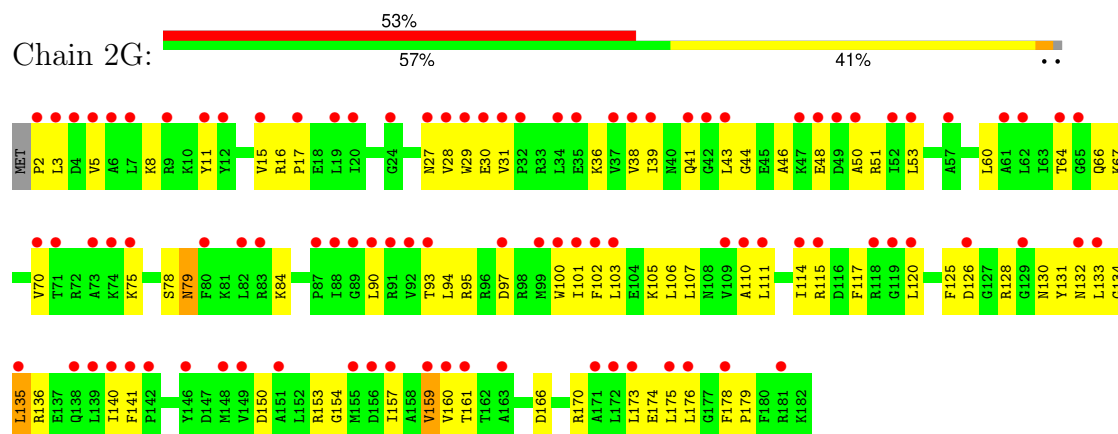
- Molecule 5: 50S ribosomal protein L4



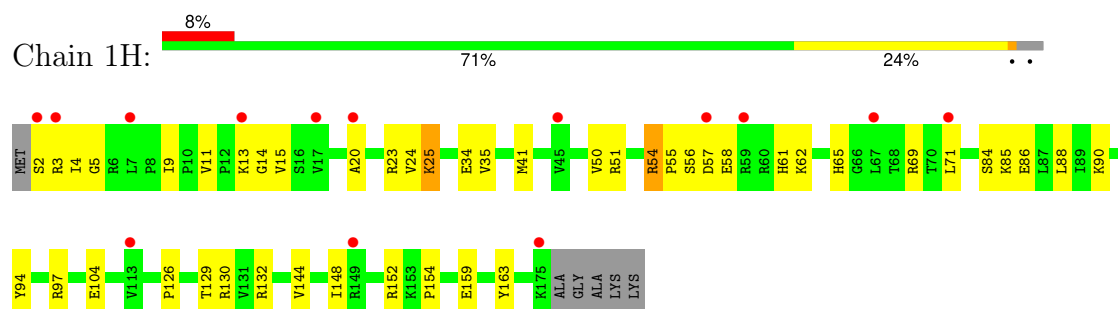
- Molecule 6: 50S ribosomal protein L5



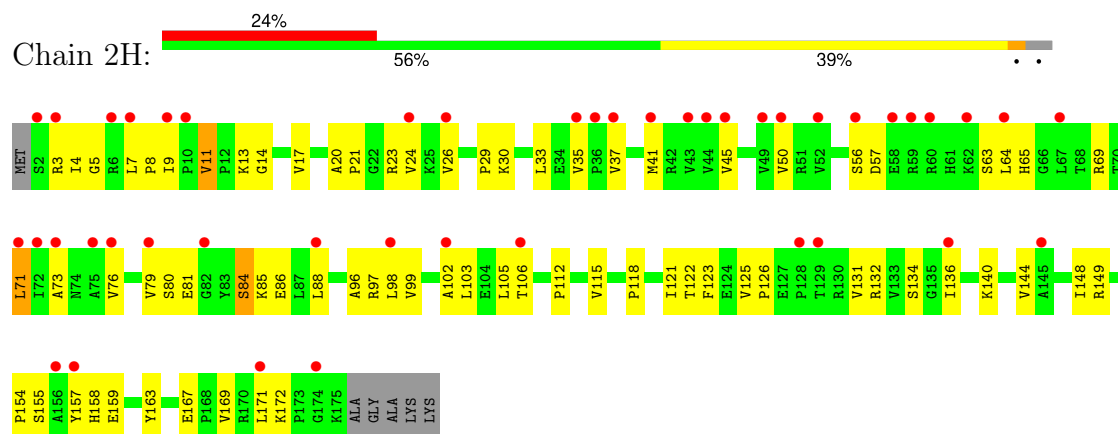
- Molecule 6: 50S ribosomal protein L5



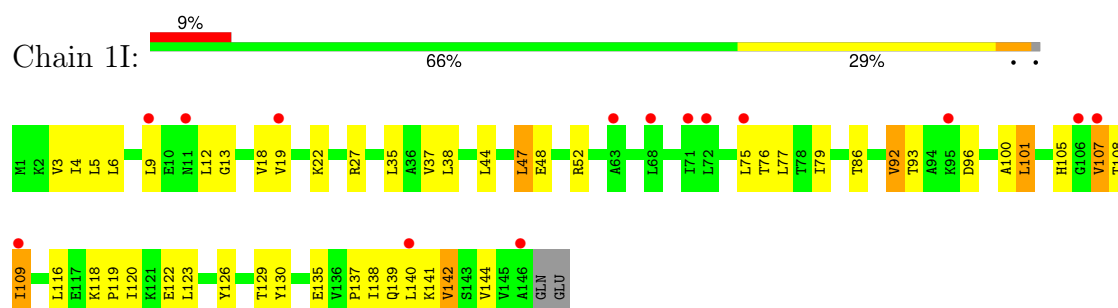
- Molecule 7: 50S ribosomal protein L6



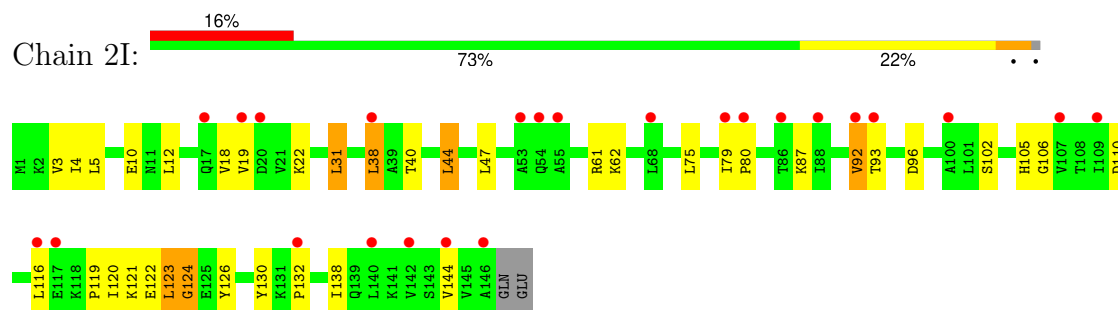
- Molecule 7: 50S ribosomal protein L6



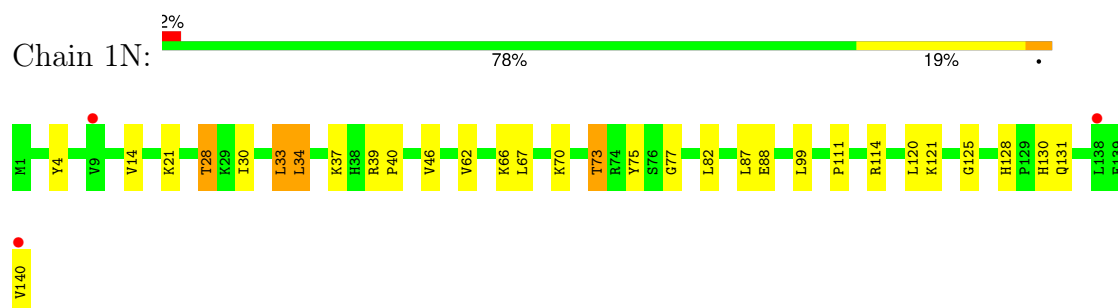
- Molecule 8: 50S ribosomal protein L9



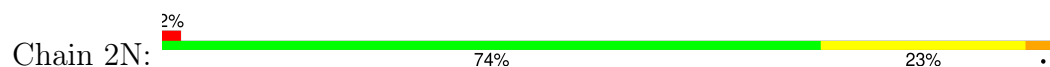
- Molecule 8: 50S ribosomal protein L9

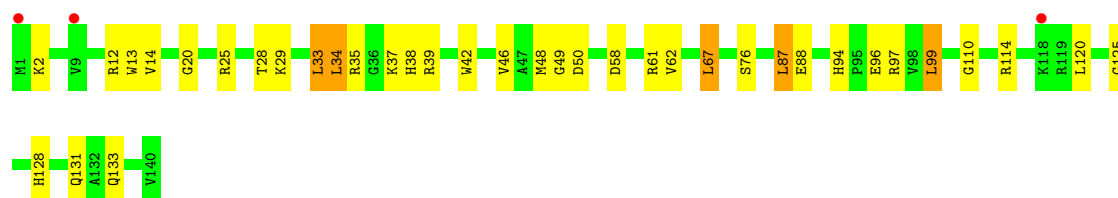


- Molecule 9: 50S ribosomal protein L13

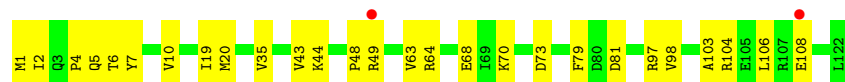
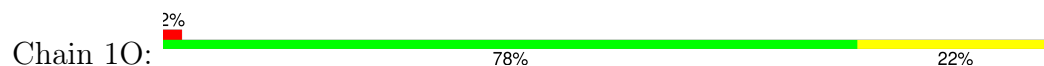


- Molecule 9: 50S ribosomal protein L13

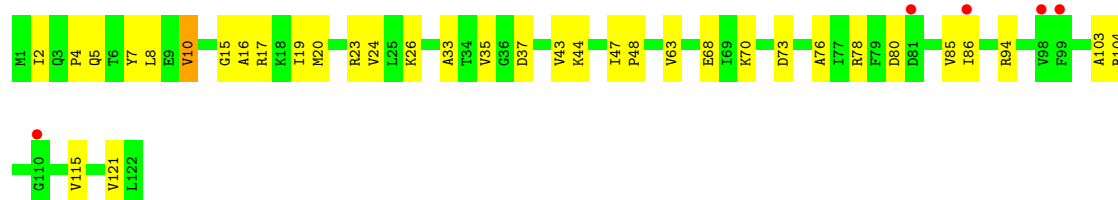




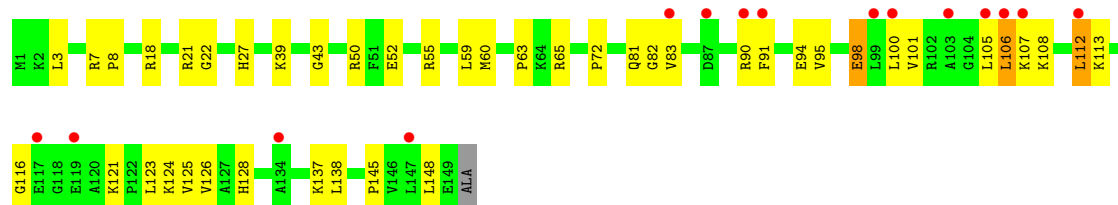
- Molecule 10: 50S ribosomal protein L14



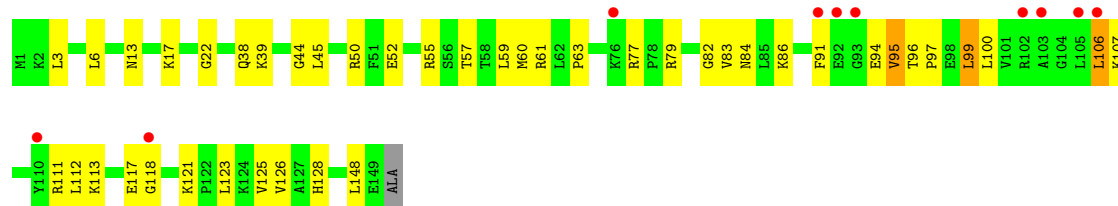
- Molecule 10: 50S ribosomal protein L14



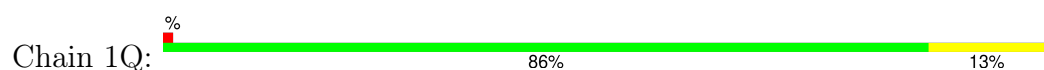
- Molecule 11: 50S ribosomal protein L15



- Molecule 11: 50S ribosomal protein L15

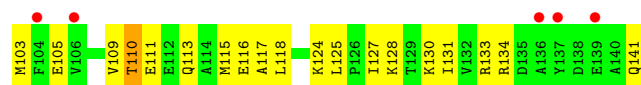
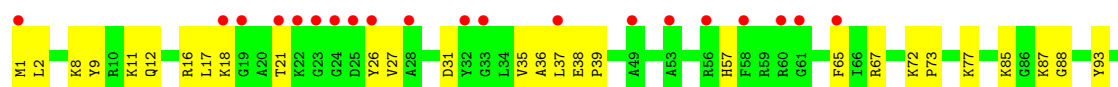


- Molecule 12: 50S ribosomal protein L16

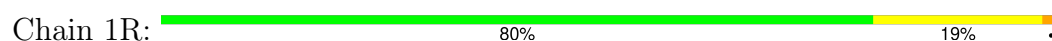




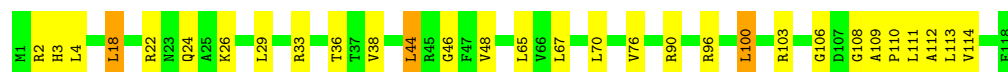
- Molecule 12: 50S ribosomal protein L16



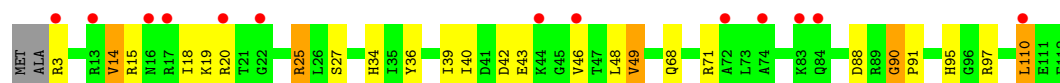
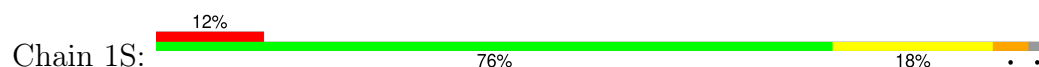
- Molecule 13: 50S ribosomal protein L17



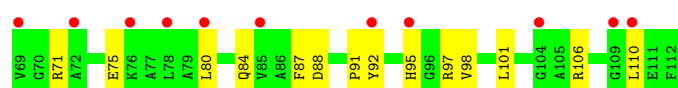
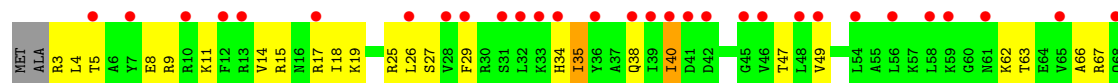
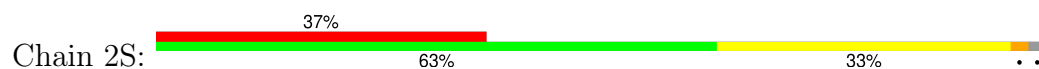
- Molecule 13: 50S ribosomal protein L17



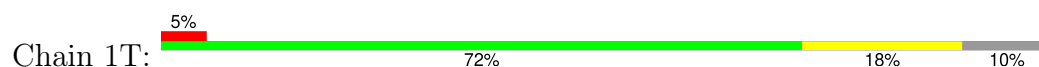
- Molecule 14: 50S ribosomal protein L18

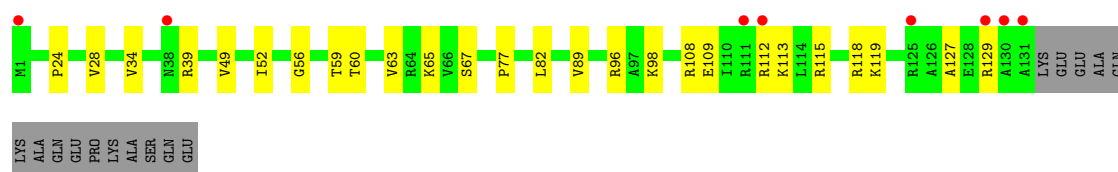


- Molecule 14: 50S ribosomal protein L18

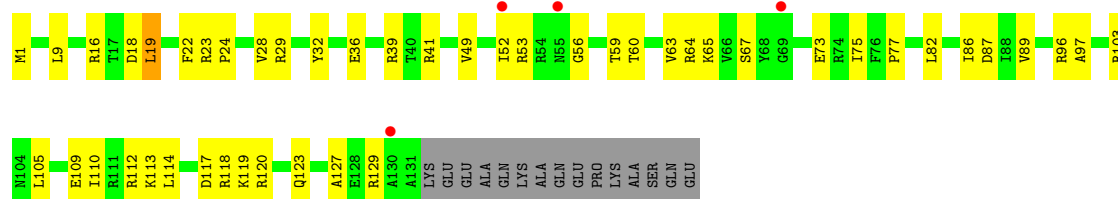


- Molecule 15: 50S ribosomal protein L19

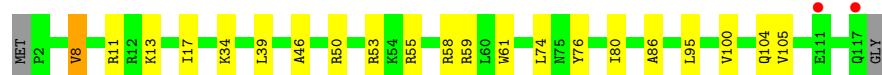
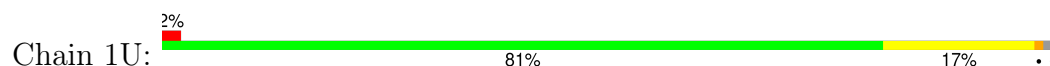




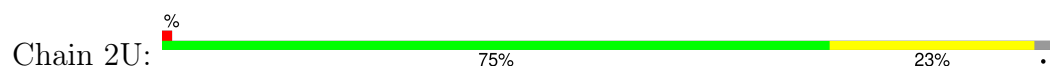
- Molecule 15: 50S ribosomal protein L19



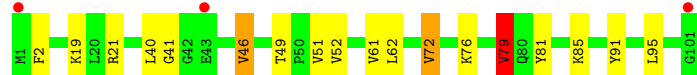
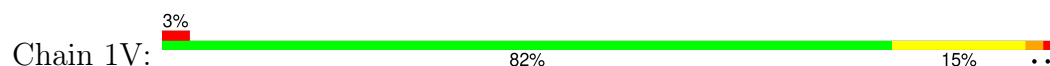
- Molecule 16: 50S ribosomal protein L20



- Molecule 16: 50S ribosomal protein L20



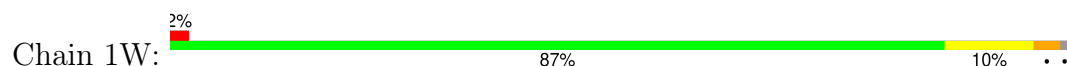
- Molecule 17: 50S ribosomal protein L21



- Molecule 17: 50S ribosomal protein L21

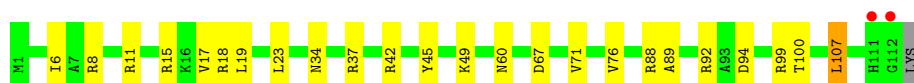
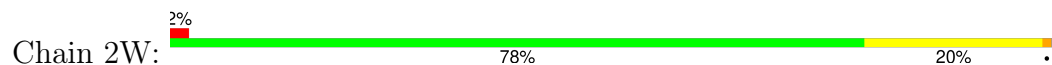


- Molecule 18: 50S ribosomal protein L22

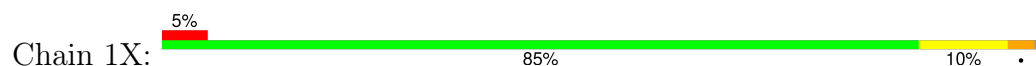




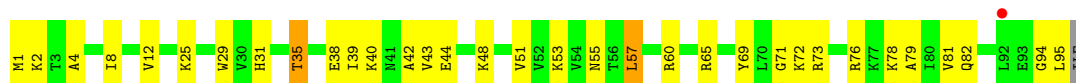
- Molecule 18: 50S ribosomal protein L22



- Molecule 19: 50S ribosomal protein L23



- Molecule 19: 50S ribosomal protein L23



- Molecule 20: 50S ribosomal protein L24

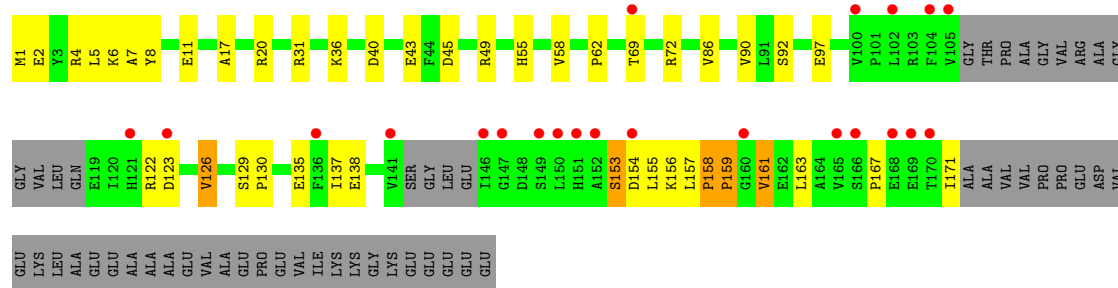


- Molecule 20: 50S ribosomal protein L24

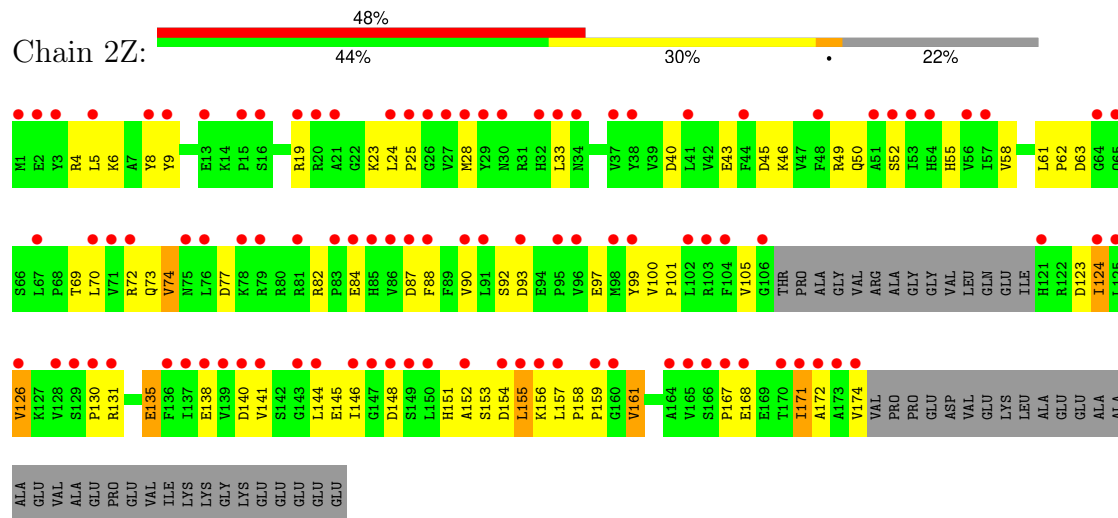


- Molecule 21: 50S ribosomal protein L25

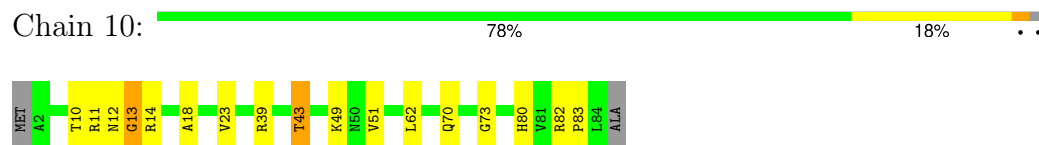




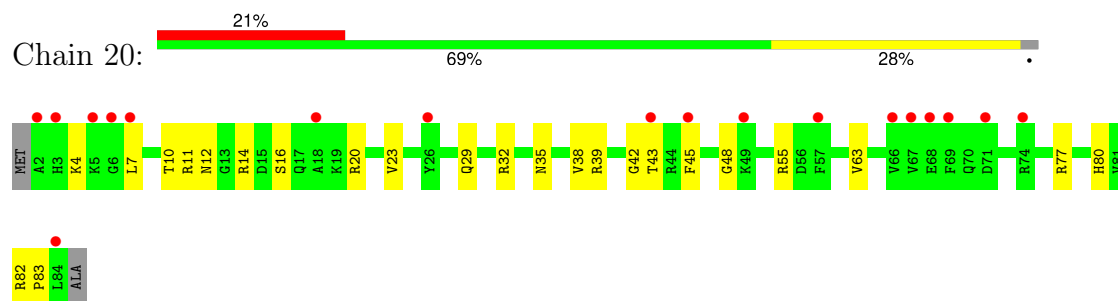
• Molecule 21: 50S ribosomal protein L25



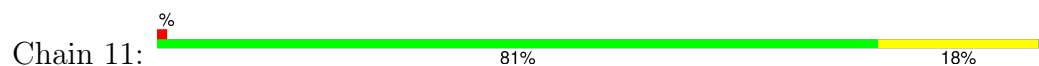
• Molecule 22: 50S ribosomal protein L27

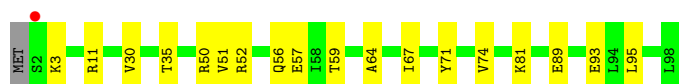


• Molecule 22: 50S ribosomal protein L27

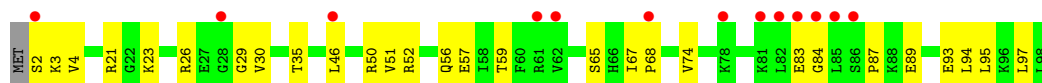


• Molecule 23: 50S ribosomal protein L28

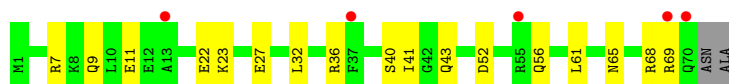
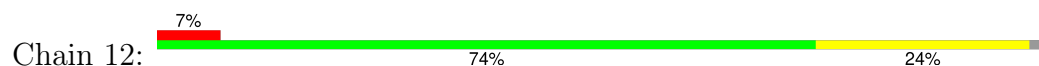




- Molecule 23: 50S ribosomal protein L28



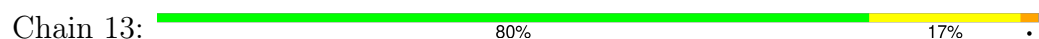
- Molecule 24: 50S ribosomal protein L29



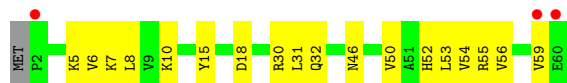
- Molecule 24: 50S ribosomal protein L29



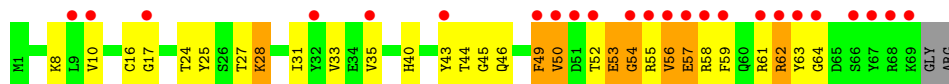
- Molecule 25: 50S ribosomal protein L30



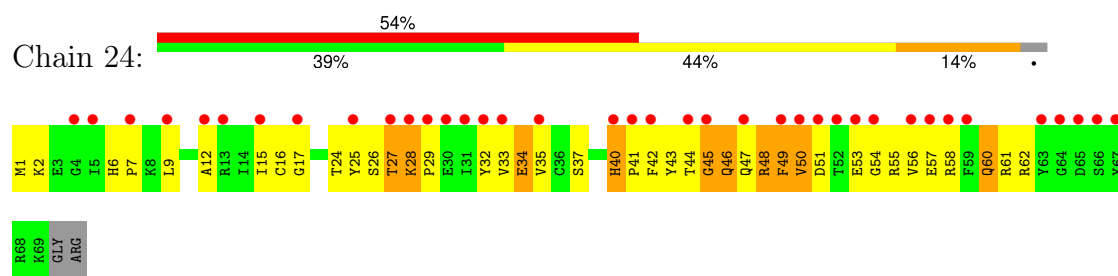
- Molecule 25: 50S ribosomal protein L30



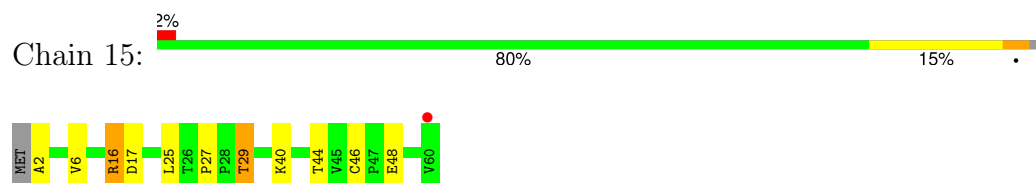
- Molecule 26: 50S ribosomal protein L31



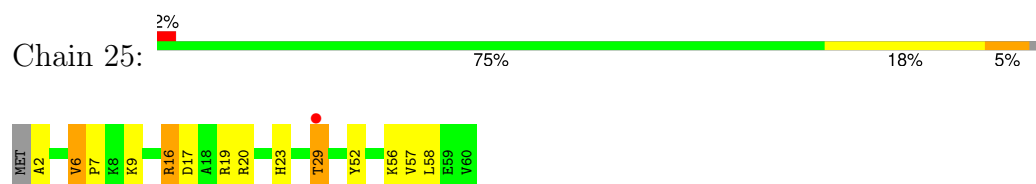
- Molecule 26: 50S ribosomal protein L31



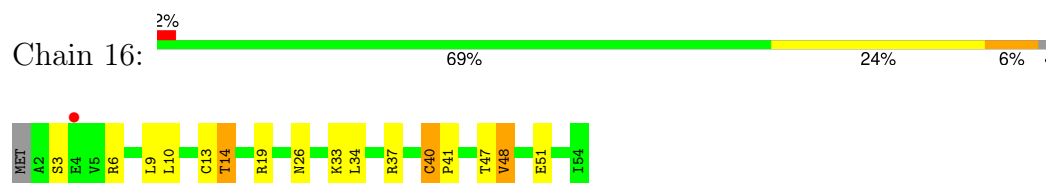
- Molecule 27: 50S ribosomal protein L32



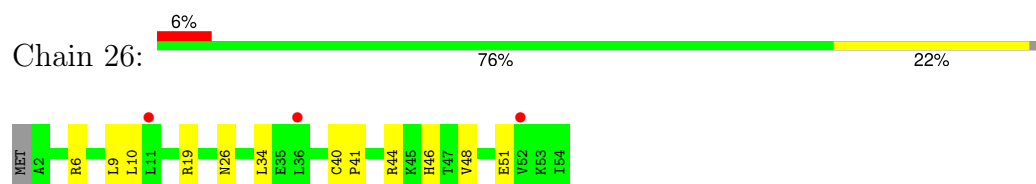
- Molecule 27: 50S ribosomal protein L32



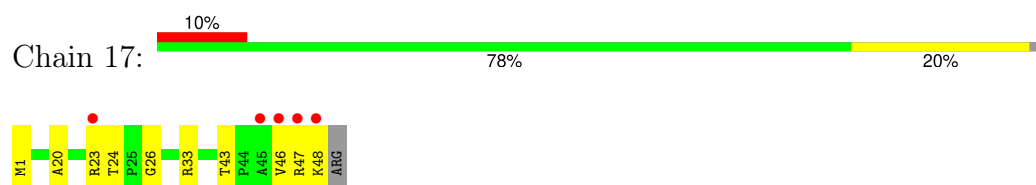
- Molecule 28: 50S ribosomal protein L33



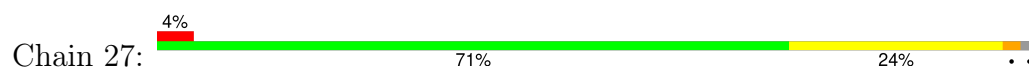
- Molecule 28: 50S ribosomal protein L33

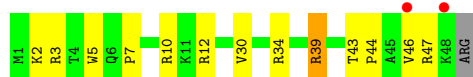


- Molecule 29: 50S ribosomal protein L34

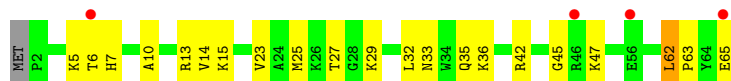


- Molecule 29: 50S ribosomal protein L34

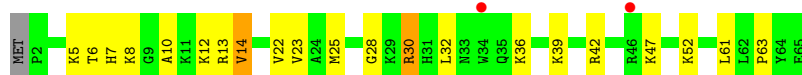




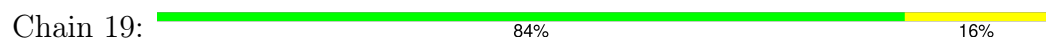
- Molecule 30: 50S ribosomal protein L35



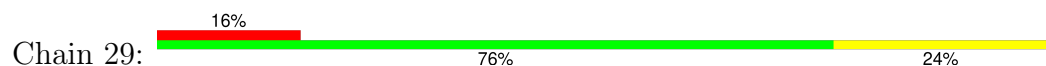
- Molecule 30: 50S ribosomal protein L35



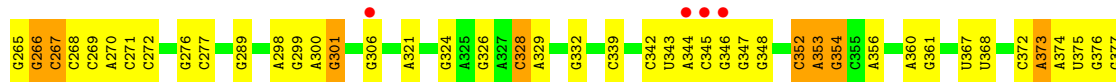
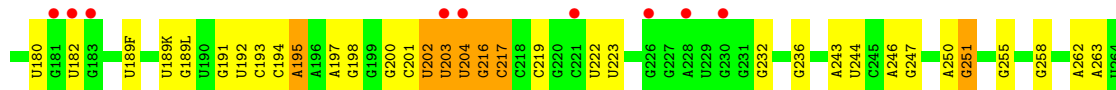
- Molecule 31: 50S ribosomal protein L36

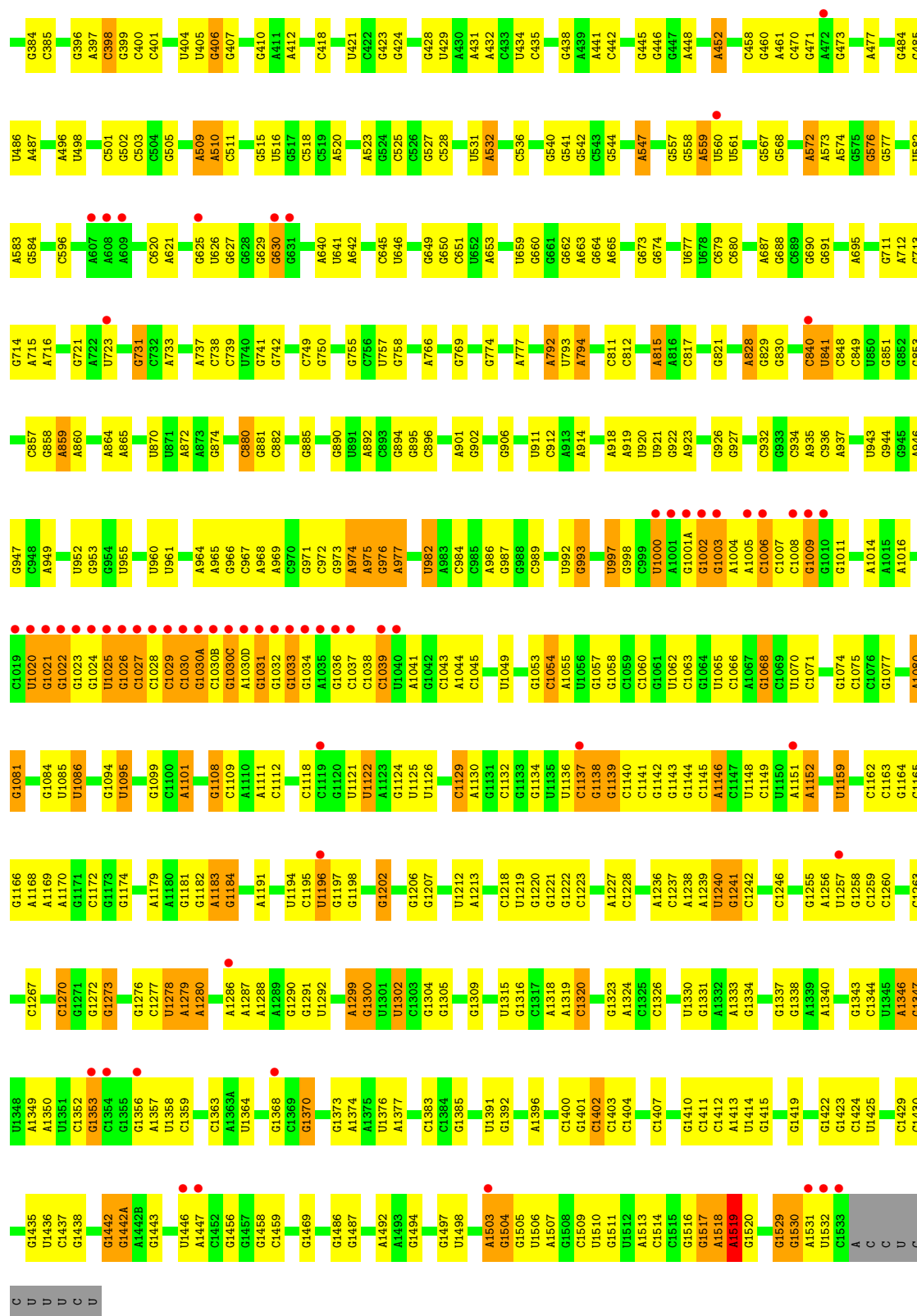


- Molecule 31: 50S ribosomal protein L36

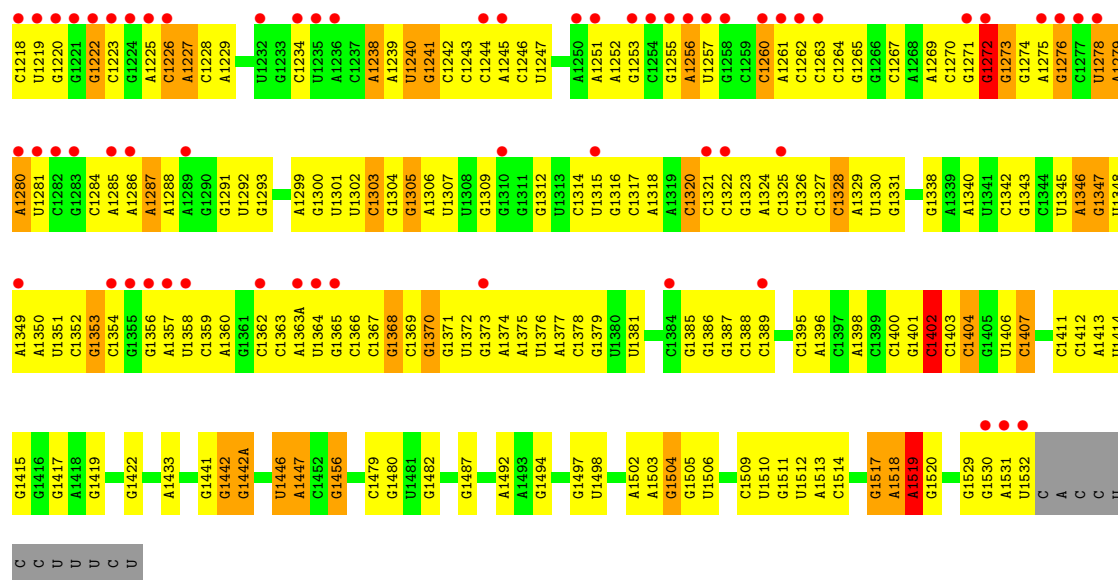


- Molecule 32: 16S Ribosomal RNA

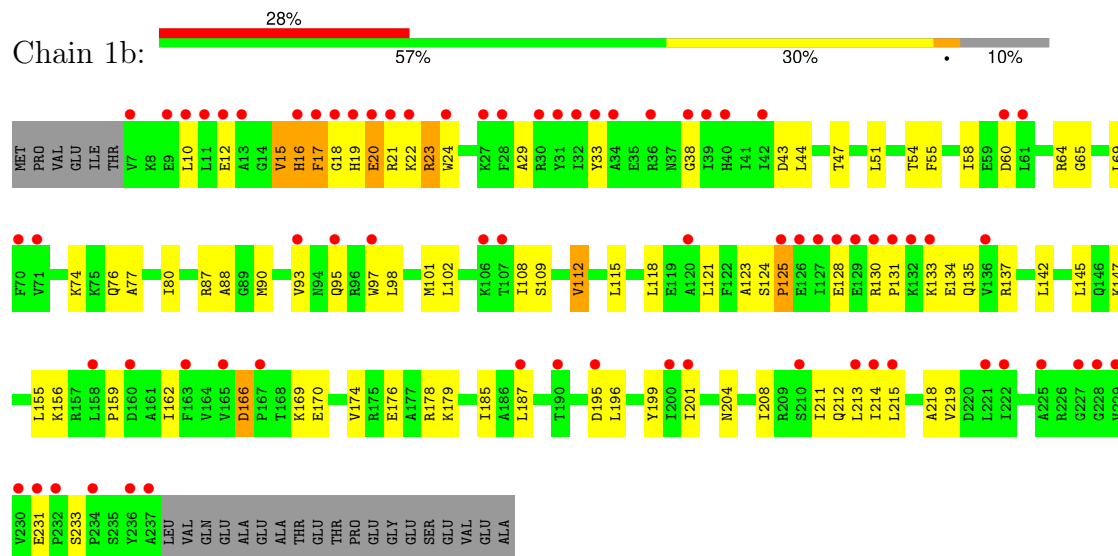




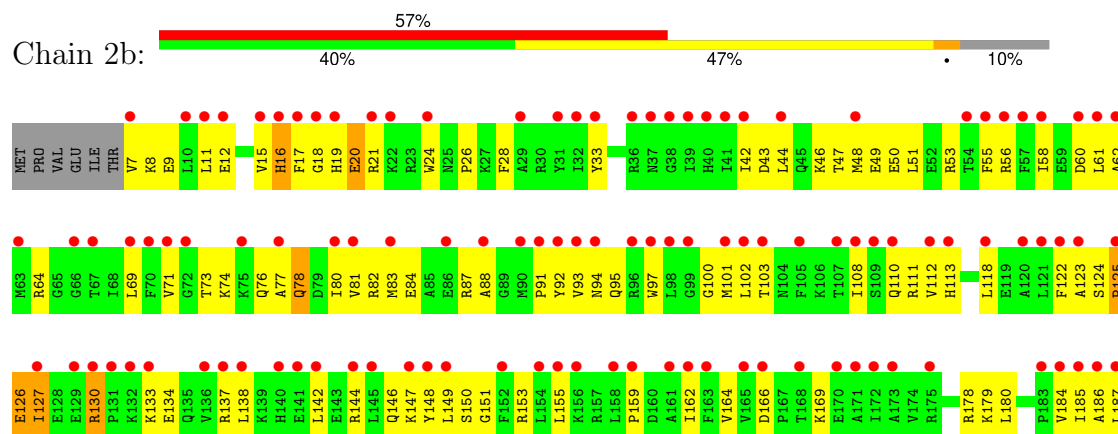


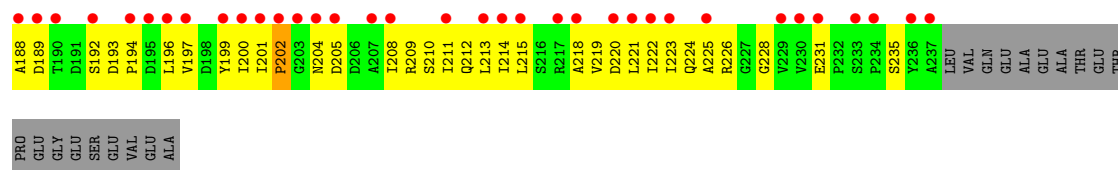


• Molecule 33: 30S ribosomal protein S2

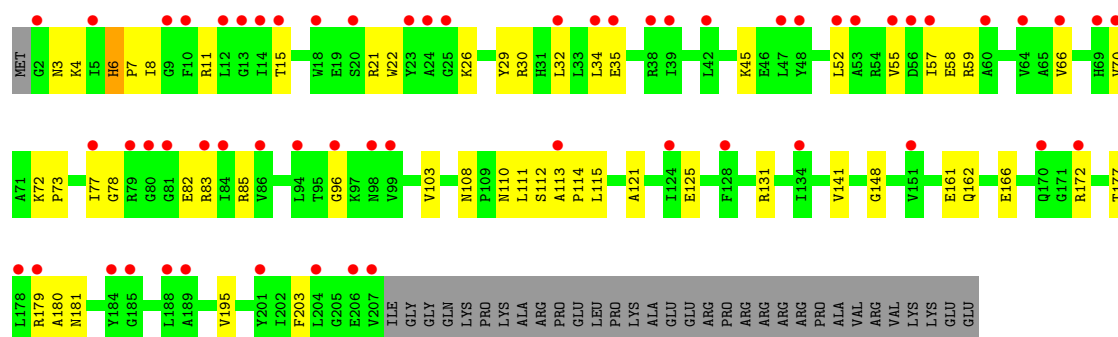


• Molecule 33: 30S ribosomal protein S2

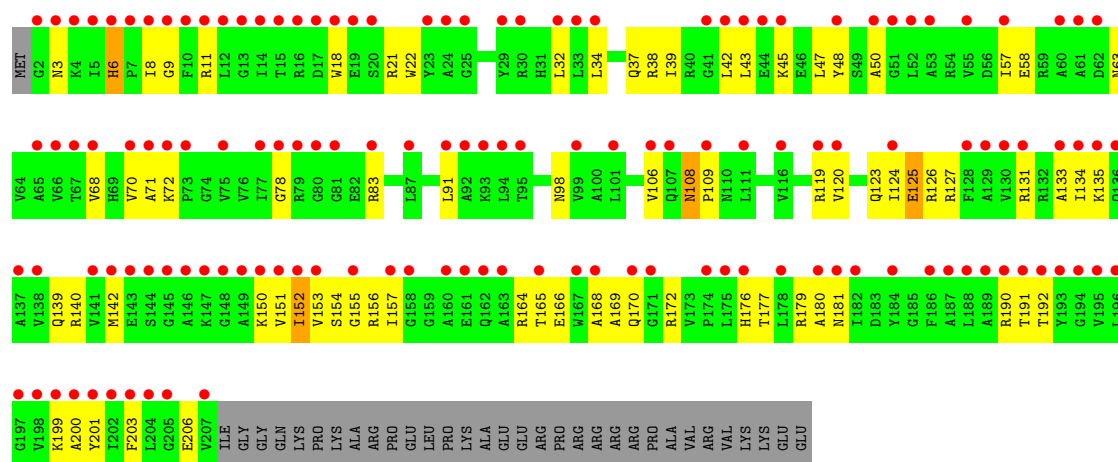




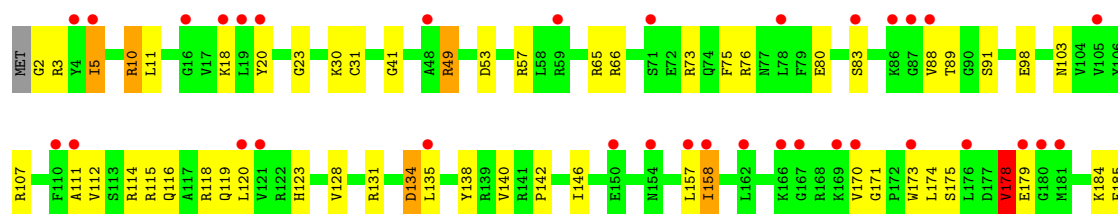
• Molecule 34: 30S ribosomal protein S3



• Molecule 34: 30S ribosomal protein S3

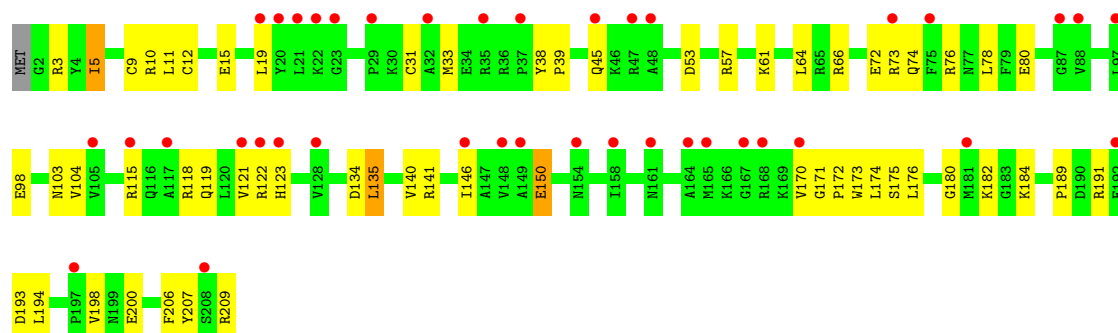
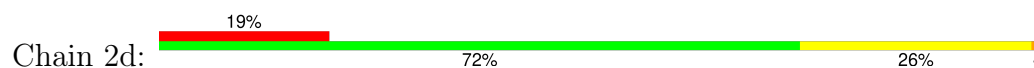


• Molecule 35: 30S ribosomal protein S4

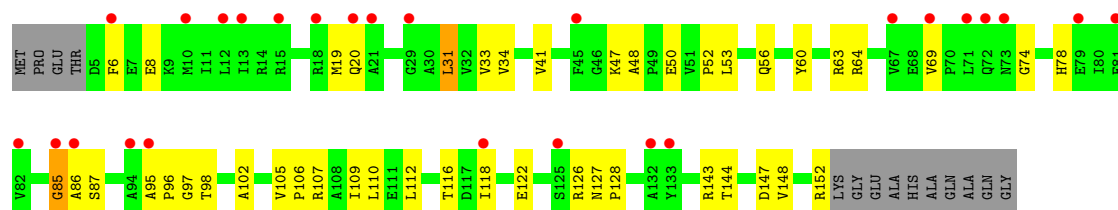




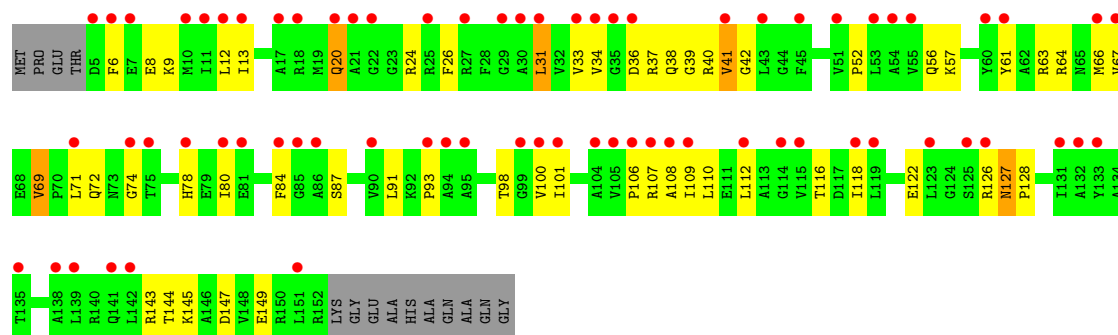
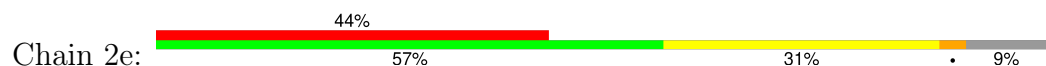
• Molecule 35: 30S ribosomal protein S4



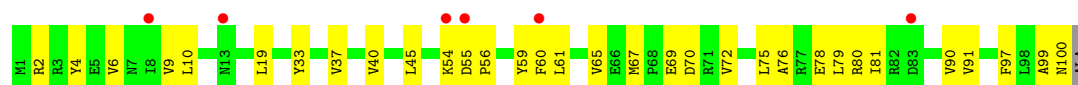
• Molecule 36: 30S ribosomal protein S5



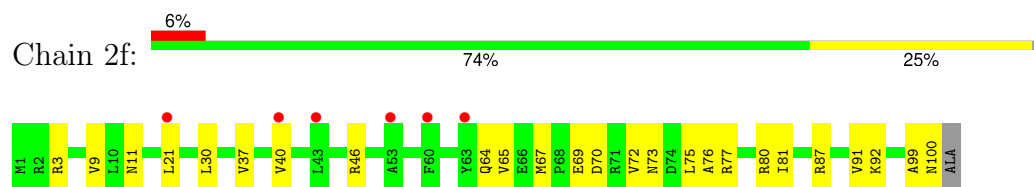
• Molecule 36: 30S ribosomal protein S5



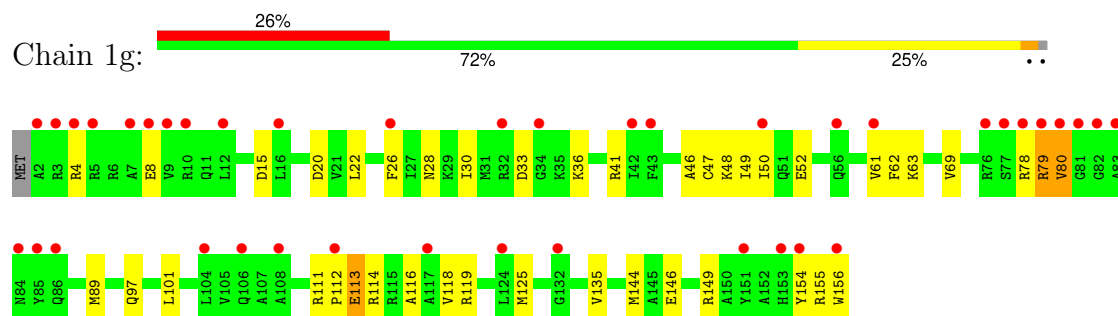
• Molecule 37: 30S ribosomal protein S6



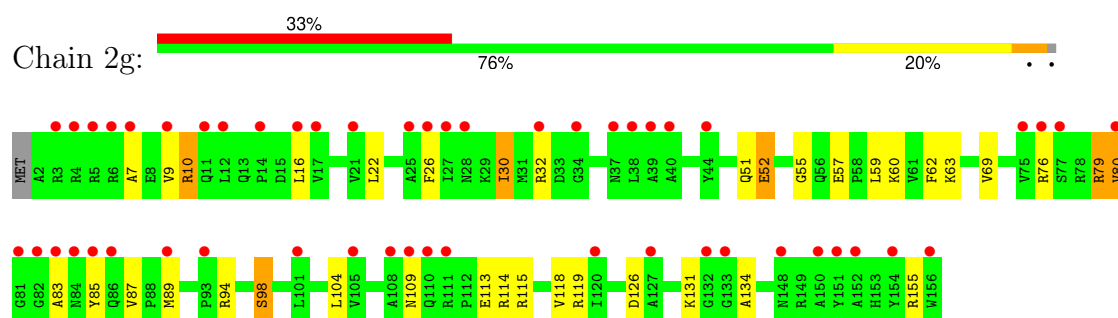
- Molecule 37: 30S ribosomal protein S6



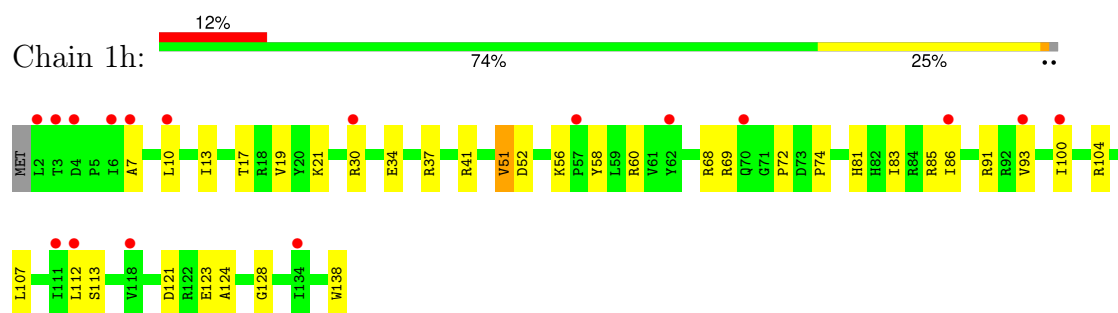
- Molecule 38: 30S ribosomal protein S7



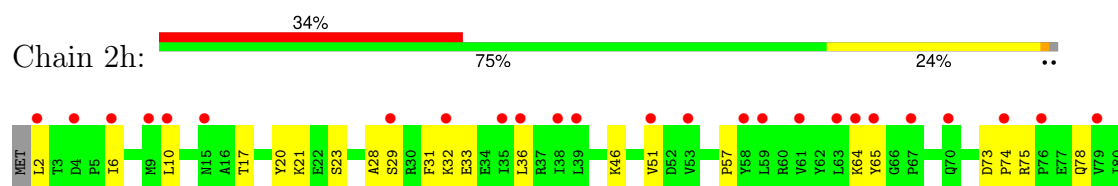
- Molecule 38: 30S ribosomal protein S7

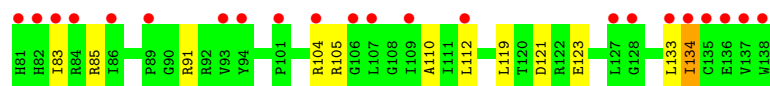


- Molecule 39: 30S ribosomal protein S8

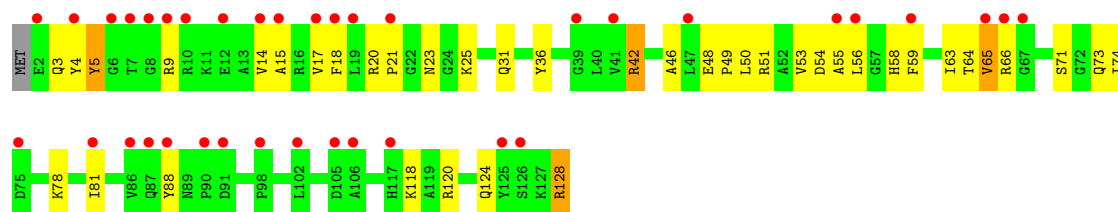


- Molecule 39: 30S ribosomal protein S8

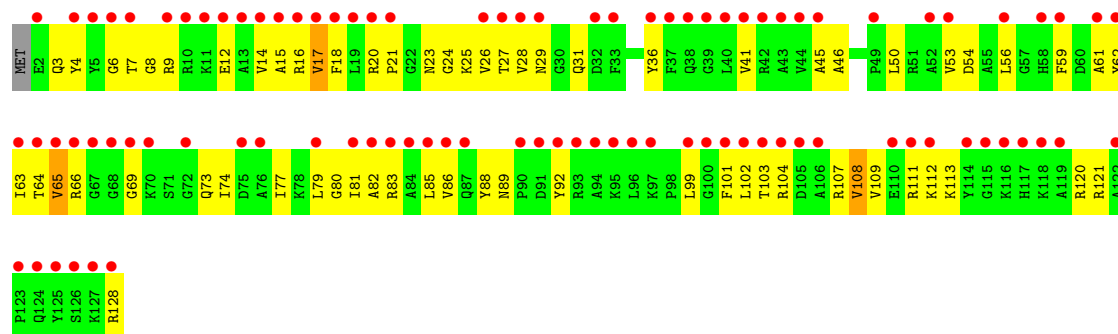
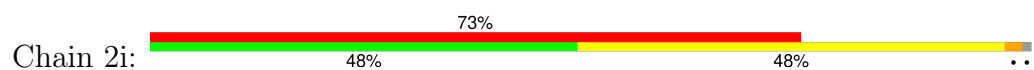




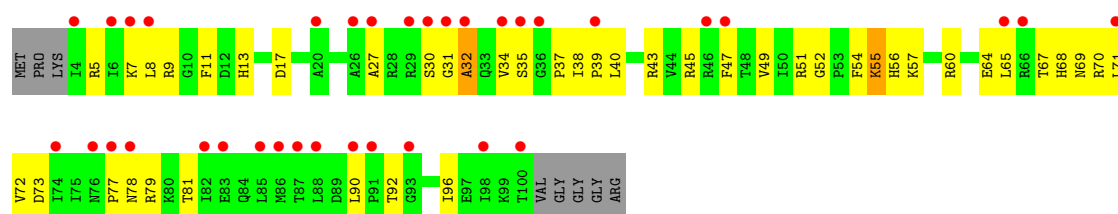
• Molecule 40: 30S ribosomal protein S9



• Molecule 40: 30S ribosomal protein S9



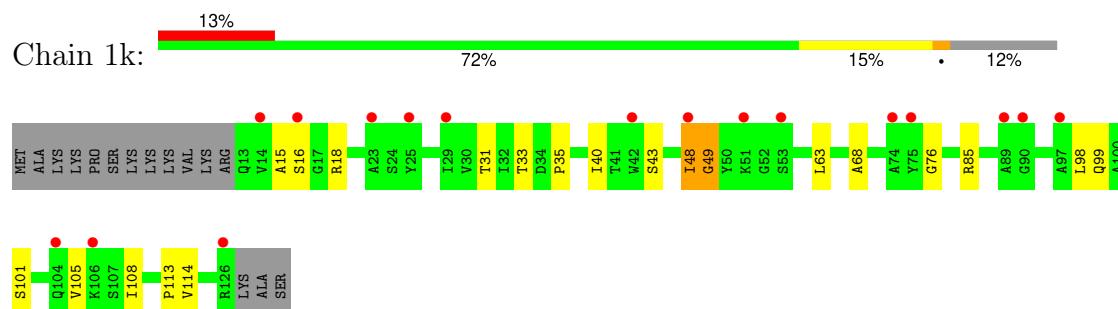
• Molecule 41: 30S ribosomal protein S10



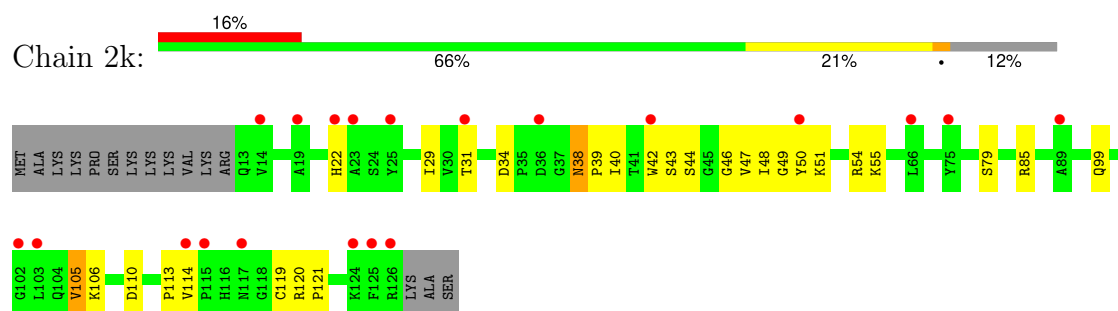
• Molecule 41: 30S ribosomal protein S10



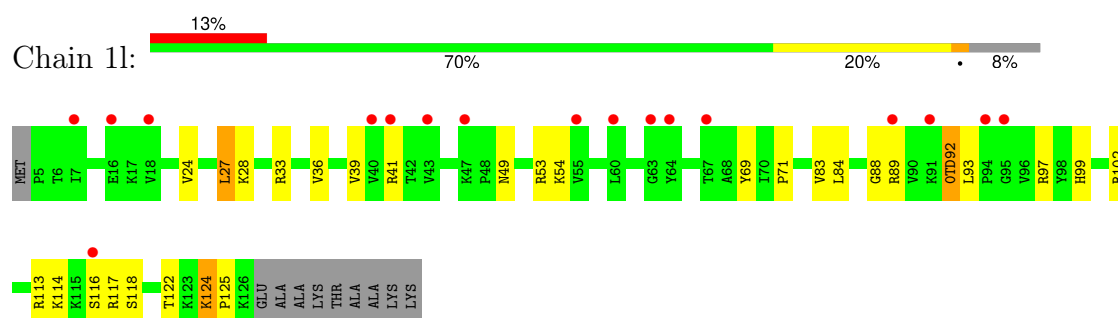
- Molecule 42: 30S ribosomal protein S11



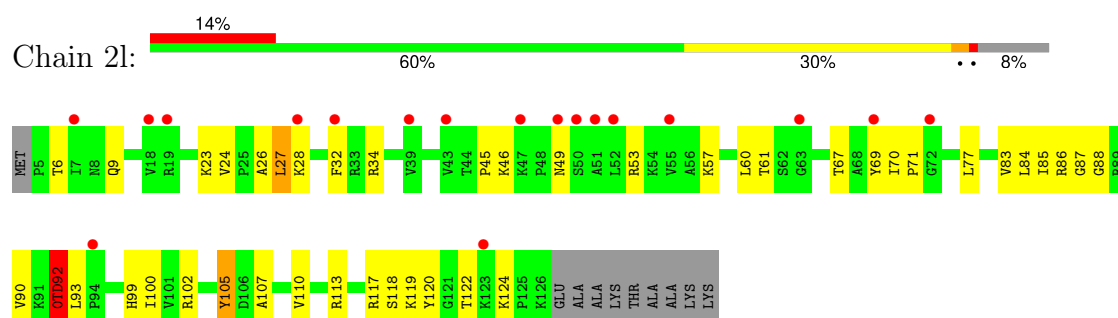
- Molecule 42: 30S ribosomal protein S11



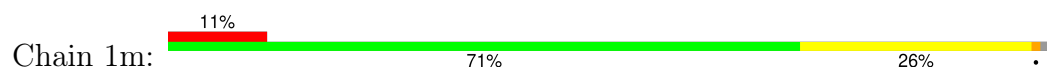
- Molecule 43: 30S ribosomal protein S12

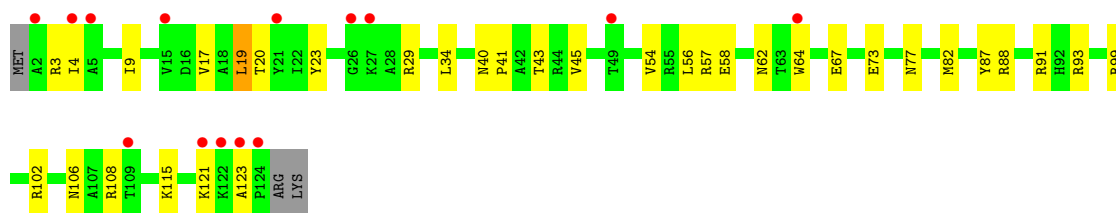


- Molecule 43: 30S ribosomal protein S12

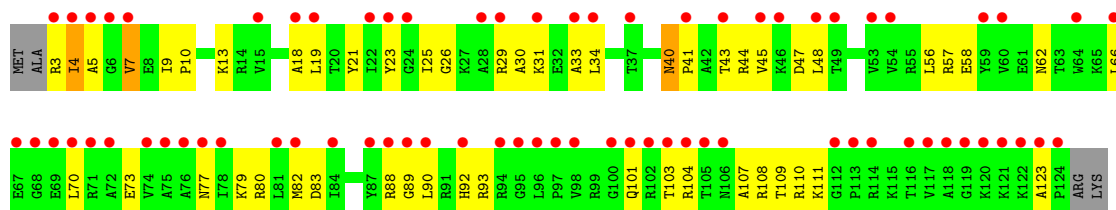


- Molecule 44: 30S ribosomal protein S13

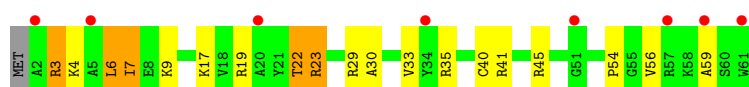




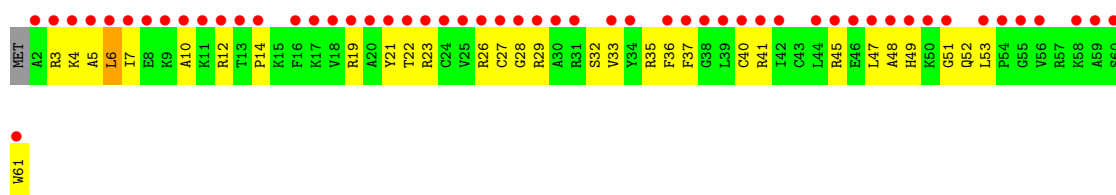
• Molecule 44: 30S ribosomal protein S13



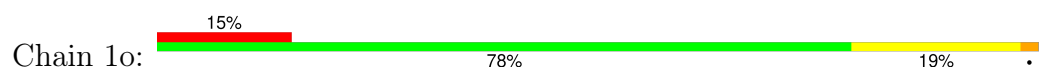
• Molecule 45: 30S ribosomal protein S14 type Z



• Molecule 45: 30S ribosomal protein S14 type Z



• Molecule 46: 30S ribosomal protein S15

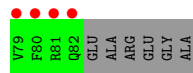
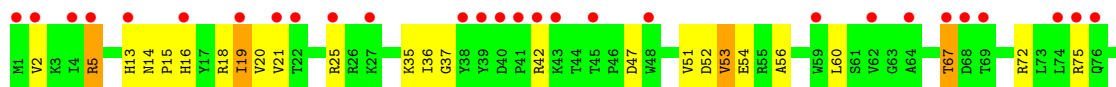


• Molecule 46: 30S ribosomal protein S15

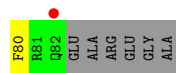




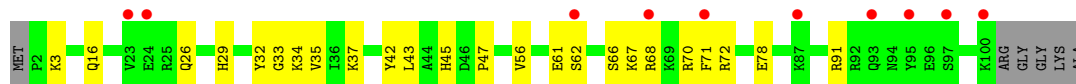
- Molecule 47: 30S ribosomal protein S16



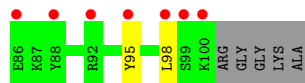
- Molecule 47: 30S ribosomal protein S16



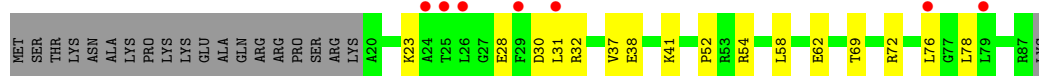
- Molecule 48: 30S ribosomal protein S17



- Molecule 48: 30S ribosomal protein S17



- Molecule 49: 30S ribosomal protein S18



- [illegible]

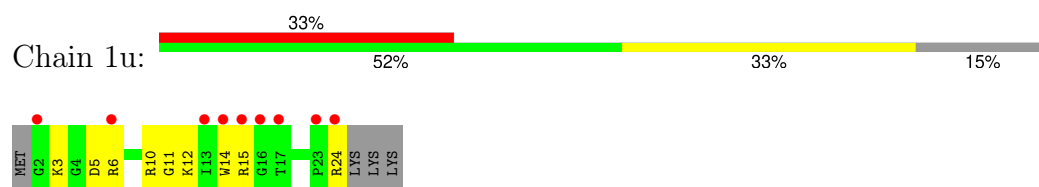
- [illegible]

- Chain 2s:
-
- 72%
56%
29%
11%
- MET P2 R3 S4 L5 K6 K7 G8 V9 F10 V11 D12 D13 H14 L15 L16 E17 K18 V19 L20 E21 L22 N23 A24 K25 G26 E27 K28 R29 L30 I31 K32 T33 W34 S35 R36 R37 S38 T39 I40 V41 P42 E43 M44 V45 G46 H47 T48 L49 A50 V51 Y52 N53 G54 K55 Q56 H57 V58 P59 V60
- Y61 I62 T63 E64 M65 M66 V67 K70 L71 G72 E73 F74 A75 P76 T77 R78 T79 Y80 R81 G82 H83 G84 LYS GLU ALA LYS THR LYS LYS LYS

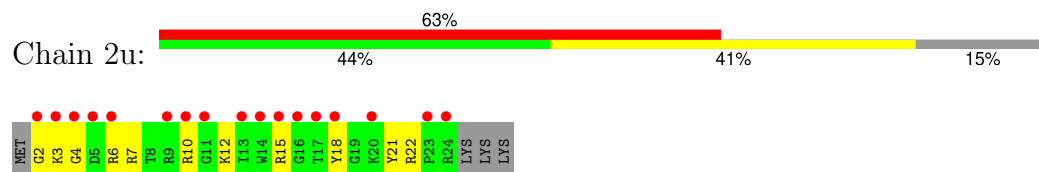
- [illegible]

- Chain 2t:
-
- | Amino Acid | Percentage |
|------------|------------|
| 68% | 68% |
| 21% | 21% |
| 9% | 9% |
| 10% | 10% |

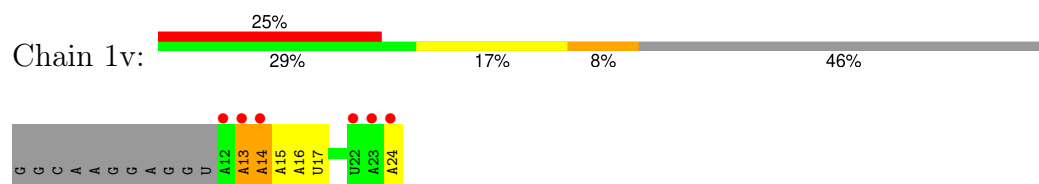
- 



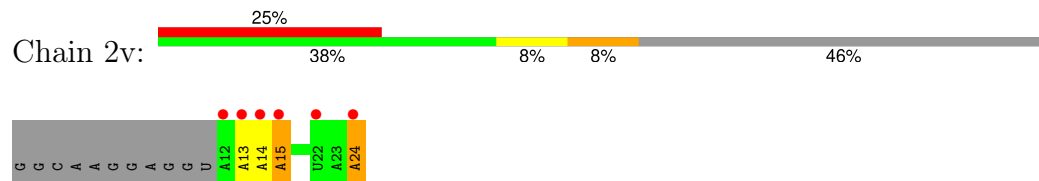
- Molecule 52: 30S ribosomal protein Thx



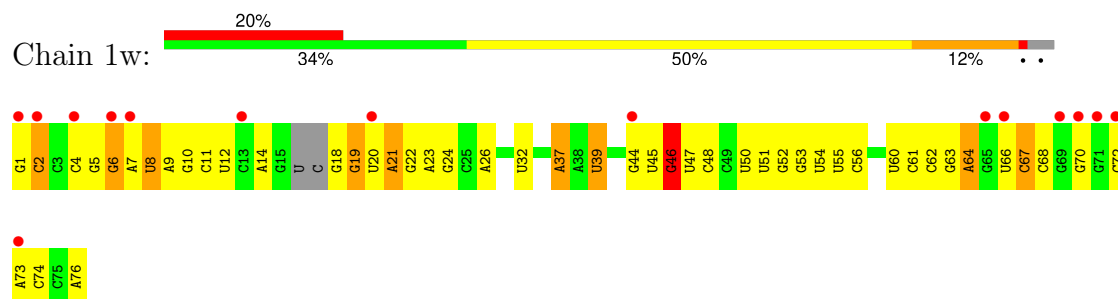
- Molecule 53: mRNA



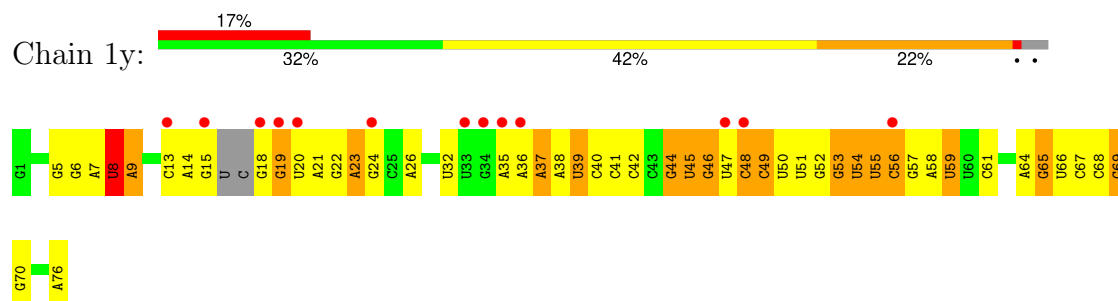
- Molecule 53: mRNA



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

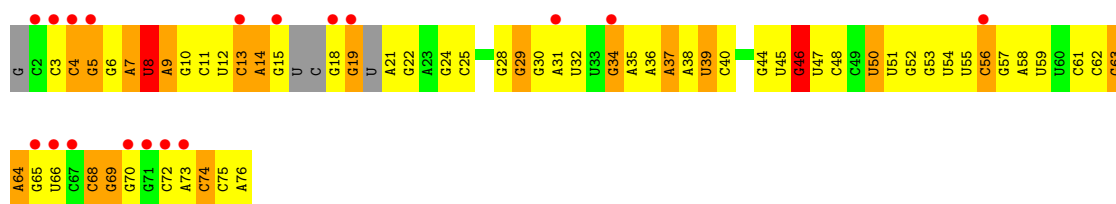


- Molecule 54: A-site and E-site tRNAs

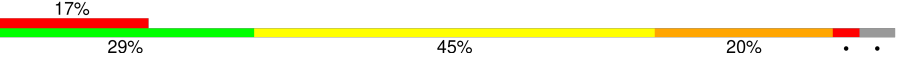


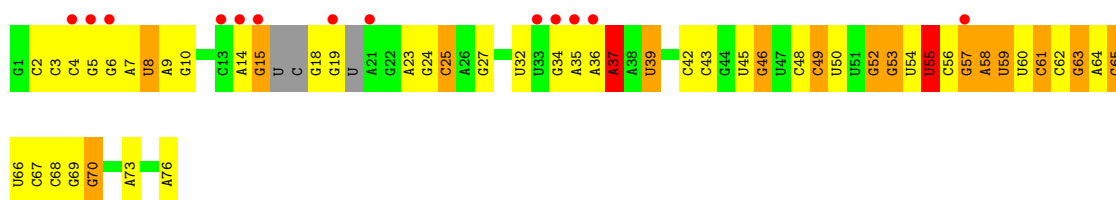
- Molecule 54: A-site and E-site tRNAs

Chain 2w: 



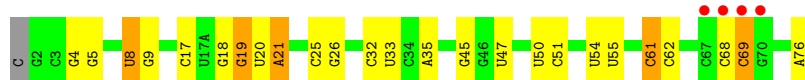
- Molecule 54: A-site and E-site tRNAs

Chain 2y: 



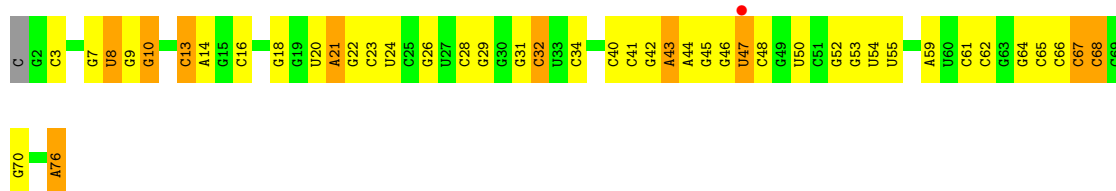
- Molecule 55: P-site tRNA

Chain 1x: 



- Molecule 55: P-site tRNA

Chain 2x: 



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: M2G, MG, 5MC, 2MU, K, MIA, 4OC, 5MU, ZN, SF4, MA6, PSU, OMG, 2MA, 7MG, 0TD, 2MG, UR3, 4SU

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%)	18	34
4	1E	202/206 (98%)	193 (96%)	8 (4%)	1 (0%)	24	43
4	2E	202/206 (98%)	194 (96%)	7 (4%)	1 (0%)	24	43
5	1F	201/210 (96%)	198 (98%)	2 (1%)	1 (0%)	24	43
5	2F	201/210 (96%)	197 (98%)	2 (1%)	2 (1%)	12	24
6	1G	179/182 (98%)	170 (95%)	9 (5%)	0	100	100
6	2G	179/182 (98%)	168 (94%)	10 (6%)	1 (1%)	21	38
7	1H	172/180 (96%)	164 (95%)	7 (4%)	1 (1%)	21	38
7	2H	172/180 (96%)	158 (92%)	12 (7%)	2 (1%)	10	20
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%)	18	34
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%)	18	34
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	27
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%)	12	24
17	2V	99/101 (98%)	97 (98%)	1 (1%)	1 (1%)	12	24
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%)	11	22
20	1Y	105/110 (96%)	98 (93%)	5 (5%)	2 (2%)	6	11
20	2Y	105/110 (96%)	99 (94%)	4 (4%)	2 (2%)	6	11
21	1Z	148/206 (72%)	136 (92%)	11 (7%)	1 (1%)	18	34
21	2Z	156/206 (76%)	141 (90%)	15 (10%)	0	100	100
22	10	81/85 (95%)	80 (99%)	0	1 (1%)	10	20
22	20	81/85 (95%)	77 (95%)	3 (4%)	1 (1%)	10	20
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%)	6	12
26	14	67/71 (94%)	58 (87%)	4 (6%)	5 (8%)	1	0
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%)	24	43
34	2c	204/239 (85%)	187 (92%)	15 (7%)	2 (1%)	12	24
35	1d	206/209 (99%)	196 (95%)	9 (4%)	1 (0%)	24	43
35	2d	206/209 (99%)	197 (96%)	8 (4%)	1 (0%)	24	43
36	1e	146/162 (90%)	137 (94%)	6 (4%)	3 (2%)	5	9
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	10
38	2g	153/156 (98%)	143 (94%)	7 (5%)	3 (2%)	6	10
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	2
42	1k	112/129 (87%)	106 (95%)	4 (4%)	2 (2%)	6	12
42	2k	112/129 (87%)	107 (96%)	3 (3%)	2 (2%)	6	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%)	10	20
47	1p	80/88 (91%)	76 (95%)	3 (4%)	1 (1%)	9	18
47	2p	80/88 (91%)	76 (95%)	3 (4%)	1 (1%)	9	18
48	1q	97/105 (92%)	93 (96%)	3 (3%)	1 (1%)	12	24
48	2q	97/105 (92%)	94 (97%)	2 (2%)	1 (1%)	12	24
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%)	10	20
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	2
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	27

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%)	30	57
3	2D	215/218 (99%)	206 (96%)	9 (4%)	26	52
4	1E	164/166 (99%)	152 (93%)	12 (7%)	13	27
4	2E	164/166 (99%)	152 (93%)	12 (7%)	13	27
5	1F	160/166 (96%)	147 (92%)	13 (8%)	11	23
5	2F	159/166 (96%)	149 (94%)	10 (6%)	16	34
6	1G	143/156 (92%)	137 (96%)	6 (4%)	26	52
6	2G	143/156 (92%)	134 (94%)	9 (6%)	16	34
7	1H	144/148 (97%)	139 (96%)	5 (4%)	32	58
7	2H	144/148 (97%)	141 (98%)	3 (2%)	47	74
8	1I	113/124 (91%)	104 (92%)	9 (8%)	11	24
8	2I	105/124 (85%)	99 (94%)	6 (6%)	18	39
9	1N	118/119 (99%)	109 (92%)	9 (8%)	12	26
9	2N	118/119 (99%)	107 (91%)	11 (9%)	8	18
10	1O	100/100 (100%)	97 (97%)	3 (3%)	36	64
10	2O	100/100 (100%)	98 (98%)	2 (2%)	48	75
11	1P	115/116 (99%)	109 (95%)	6 (5%)	21	42
11	2P	115/116 (99%)	110 (96%)	5 (4%)	26	51
12	1Q	111/111 (100%)	108 (97%)	3 (3%)	39	67
12	2Q	111/111 (100%)	105 (95%)	6 (5%)	20	41
13	1R	101/101 (100%)	91 (90%)	10 (10%)	7	16
13	2R	101/101 (100%)	94 (93%)	7 (7%)	14	30
14	1S	86/88 (98%)	82 (95%)	4 (5%)	23	47
14	2S	85/88 (97%)	81 (95%)	4 (5%)	23	47
15	1T	115/127 (91%)	113 (98%)	2 (2%)	53	78
15	2T	113/127 (89%)	112 (99%)	1 (1%)	70	87

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
16	1U	93/94 (99%)	90 (97%)	3 (3%)	34	62
16	2U	93/94 (99%)	92 (99%)	1 (1%)	65	84
17	1V	80/82 (98%)	74 (92%)	6 (8%)	12	26
17	2V	80/82 (98%)	73 (91%)	7 (9%)	9	20
18	1W	90/92 (98%)	84 (93%)	6 (7%)	15	31
18	2W	90/92 (98%)	83 (92%)	7 (8%)	11	24
19	1X	77/78 (99%)	75 (97%)	2 (3%)	40	68
19	2X	77/78 (99%)	75 (97%)	2 (3%)	40	68
20	1Y	85/91 (93%)	80 (94%)	5 (6%)	18	37
20	2Y	85/91 (93%)	82 (96%)	3 (4%)	32	58
21	1Z	135/179 (75%)	128 (95%)	7 (5%)	21	42
21	2Z	137/179 (76%)	129 (94%)	8 (6%)	18	38
22	10	65/67 (97%)	64 (98%)	1 (2%)	57	80
22	20	65/67 (97%)	65 (100%)	0	100	100
23	11	80/83 (96%)	77 (96%)	3 (4%)	29	56
23	21	80/83 (96%)	78 (98%)	2 (2%)	42	69
24	12	65/67 (97%)	64 (98%)	1 (2%)	57	80
24	22	65/67 (97%)	65 (100%)	0	100	100
25	13	51/52 (98%)	48 (94%)	3 (6%)	18	37
25	23	50/52 (96%)	48 (96%)	2 (4%)	28	54
26	14	59/63 (94%)	56 (95%)	3 (5%)	21	43
26	24	53/63 (84%)	47 (89%)	6 (11%)	5	12
27	15	50/52 (96%)	47 (94%)	3 (6%)	17	36
27	25	50/52 (96%)	47 (94%)	3 (6%)	17	36
28	16	51/52 (98%)	48 (94%)	3 (6%)	18	37
28	26	50/52 (96%)	49 (98%)	1 (2%)	48	75
29	17	41/42 (98%)	40 (98%)	1 (2%)	43	70
29	27	41/42 (98%)	39 (95%)	2 (5%)	22	45
30	18	54/55 (98%)	52 (96%)	2 (4%)	30	57
30	28	54/55 (98%)	51 (94%)	3 (6%)	19	39
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	65
33	1b	192/220 (87%)	190 (99%)	2 (1%)	68	86
33	2b	187/220 (85%)	182 (97%)	5 (3%)	39	67
34	1c	142/188 (76%)	138 (97%)	4 (3%)	38	66
34	2c	140/188 (74%)	135 (96%)	5 (4%)	31	58
35	1d	169/181 (93%)	160 (95%)	9 (5%)	20	42
35	2d	173/181 (96%)	167 (96%)	6 (4%)	32	58
36	1e	113/123 (92%)	109 (96%)	4 (4%)	32	58
36	2e	114/123 (93%)	109 (96%)	5 (4%)	25	50
37	1f	84/90 (93%)	83 (99%)	1 (1%)	63	83
37	2f	85/90 (94%)	82 (96%)	3 (4%)	32	58
38	1g	119/127 (94%)	117 (98%)	2 (2%)	53	78
38	2g	120/127 (94%)	115 (96%)	5 (4%)	26	52
39	1h	114/119 (96%)	111 (97%)	3 (3%)	40	68
39	2h	114/119 (96%)	111 (97%)	3 (3%)	40	68
40	1i	90/99 (91%)	86 (96%)	4 (4%)	25	50
40	2i	89/99 (90%)	82 (92%)	7 (8%)	11	24
41	1j	66/92 (72%)	66 (100%)	0	100	100
41	2j	69/92 (75%)	66 (96%)	3 (4%)	26	51
42	1k	82/99 (83%)	79 (96%)	3 (4%)	30	57
42	2k	83/99 (84%)	82 (99%)	1 (1%)	63	83
43	1l	96/108 (89%)	92 (96%)	4 (4%)	26	52
43	2l	96/108 (89%)	94 (98%)	2 (2%)	47	74
44	1m	93/101 (92%)	91 (98%)	2 (2%)	45	73
44	2m	92/101 (91%)	91 (99%)	1 (1%)	65	84
45	1n	49/50 (98%)	43 (88%)	6 (12%)	5	10
45	2n	49/50 (98%)	46 (94%)	3 (6%)	17	35
46	1o	78/80 (98%)	75 (96%)	3 (4%)	29	56
46	2o	78/80 (98%)	76 (97%)	2 (3%)	40	68
47	1p	69/74 (93%)	64 (93%)	5 (7%)	13	28
47	2p	68/74 (92%)	63 (93%)	5 (7%)	13	27

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
48	1q	94/97 (97%)	93 (99%)	1 (1%)	65	84
48	2q	94/97 (97%)	92 (98%)	2 (2%)	47	74
49	1r	59/77 (77%)	57 (97%)	2 (3%)	32	60
49	2r	59/77 (77%)	56 (95%)	3 (5%)	21	43
50	1s	69/80 (86%)	67 (97%)	2 (3%)	37	65
50	2s	67/80 (84%)	64 (96%)	3 (4%)	24	49
51	1t	70/82 (85%)	69 (99%)	1 (1%)	59	81
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%)	26	52

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
54	MIA	1y	37	54	21,24,32	1.62	3 (14%)	30,35,47	2.01	10 (33%)
54	PSU	2y	39	54	18,21,22	1.36	2 (11%)	21,30,33	1.93	3 (14%)
32	MA6	2a	1518	32	23,26,27	1.57	5 (21%)	33,38,41	2.22	12 (36%)
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%)
54	PSU	1w	32	56,54	18,21,22	1.35	2 (11%)	21,30,33	2.01	3 (14%)
32	M2G	1a	966	32	24,27,28	1.34	3 (12%)	33,40,43	1.84	5 (15%)
54	7MG	2w	46	54	23,26,27	1.40	3 (13%)	27,39,42	2.47	6 (22%)
32	UR3	2a	1498	32	19,22,23	1.07	2 (10%)	26,32,35	1.81	4 (15%)
32	7MG	2a	527	56,32	23,26,27	1.34	4 (17%)	27,39,42	2.59	6 (22%)
1	5MU	1A	1961	56,1	19,22,23	1.32	4 (21%)	27,32,35	2.59	6 (22%)
55	5MC	1x	32	55	19,22,23	1.67	3 (15%)	26,32,35	1.23	3 (11%)
1	2MA	1A	2515	56,1	22,25,26	1.50	4 (18%)	32,37,40	2.49	9 (28%)
32	5MC	1a	967	32	19,22,23	1.67	3 (15%)	26,32,35	1.15	3 (11%)
32	5MC	1a	1404	32	19,22,23	1.62	3 (15%)	26,32,35	1.19	3 (11%)
55	4SU	2x	8	55	18,21,22	2.04	6 (33%)	25,30,33	1.43	5 (20%)
54	5MU	1y	54	54	19,22,23	1.55	6 (31%)	27,32,35	1.99	6 (22%)
55	5MU	1x	54	55,56	19,22,23	1.45	6 (31%)	27,32,35	1.89	6 (22%)
54	PSU	1w	55	54	18,21,22	1.37	2 (11%)	21,30,33	1.98	3 (14%)
1	PSU	1A	1933	1	18,21,22	1.33	2 (11%)	21,30,33	2.07	4 (19%)
54	PSU	1y	55	54	18,21,22	1.33	2 (11%)	21,30,33	2.13	4 (19%)
1	2MU	1A	2564	56,1	19,22,24	1.20	2 (10%)	25,31,36	2.02	6 (24%)
54	MIA	1w	37	54	28,31,32	2.34	6 (21%)	38,44,47	2.66	12 (31%)
54	5MU	2w	54	54	19,22,23	1.39	4 (21%)	27,32,35	1.89	6 (22%)
32	2MG	2a	1207	32	23,26,27	1.25	3 (13%)	33,38,41	2.17	7 (21%)
1	OMG	1A	2263	56,1,55	23,26,27	1.24	3 (13%)	32,38,41	1.96	7 (21%)
54	PSU	2w	39	54	18,21,22	1.35	2 (11%)	21,30,33	1.81	4 (19%)
1	OMG	2A	2251	56,1,55	23,26,27	1.20	3 (13%)	32,38,41	2.10	7 (21%)
1	5MU	2A	1939	56,1	19,22,23	1.46	6 (31%)	27,32,35	2.51	6 (22%)
32	5MC	1a	1400	32	19,22,23	1.60	3 (15%)	26,32,35	1.15	2 (7%)
1	PSU	2A	2605	1	18,21,22	1.25	2 (11%)	21,30,33	2.18	6 (28%)
32	MA6	2a	1519	32	23,26,27	1.54	4 (17%)	33,38,41	2.42	12 (36%)
1	4OC	2A	1920	1	19,22,24	0.76	0	25,31,35	0.85	0
54	4SU	2w	8	54	18,21,22	1.81	4 (22%)	25,30,33	2.48	5 (20%)
32	5MC	2a	1400	32	19,22,23	1.68	3 (15%)	26,32,35	1.20	3 (11%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
32	5MC	2a	1407	32	19,22,23	1.52	3 (15%)	26,32,35	1.21	4 (15%)
1	2MA	2A	2503	56,1	22,25,26	1.45	4 (18%)	32,37,40	2.36	7 (21%)
32	7MG	1a	527	56,32	23,26,27	1.46	4 (17%)	27,39,42	2.46	7 (25%)
55	PSU	2x	55	55	18,21,22	1.39	2 (11%)	21,30,33	1.97	4 (19%)
1	2MU	2A	2552	56,1	19,22,24	1.31	2 (10%)	25,31,36	1.80	5 (20%)
1	5MC	2A	1942	1	19,22,23	1.50	2 (10%)	26,32,35	1.12	2 (7%)
1	PSU	2A	1911	1	18,21,22	1.42	2 (11%)	21,30,33	1.84	4 (19%)
1	5MC	2A	1962	56,1	19,22,23	1.52	3 (15%)	26,32,35	1.29	3 (11%)
32	2MG	1a	1207	32	23,26,27	1.30	3 (13%)	33,38,41	2.07	6 (18%)
54	5MU	1w	54	54	19,22,23	1.47	5 (26%)	27,32,35	2.07	6 (22%)
32	UR3	1a	1498	32	19,22,23	1.10	1 (5%)	26,32,35	1.83	5 (19%)
32	5MC	2a	967	32	19,22,23	1.92	2 (10%)	26,32,35	1.16	4 (15%)
54	PSU	1y	32	54	18,21,22	1.41	3 (16%)	21,30,33	1.89	3 (14%)
32	M2G	2a	966	32	24,27,28	1.29	4 (16%)	33,40,43	1.87	6 (18%)
54	PSU	2w	55	56,54	18,21,22	1.38	2 (11%)	21,30,33	1.94	3 (14%)
32	PSU	1a	516	32	18,21,22	1.42	3 (16%)	21,30,33	1.88	5 (23%)
54	PSU	1y	39	54	18,21,22	1.42	2 (11%)	21,30,33	1.84	4 (19%)
32	MA6	1a	1519	32	23,26,27	1.58	4 (17%)	33,38,41	2.27	13 (39%)
32	5MC	1a	1407	32	19,22,23	1.66	3 (15%)	26,32,35	1.24	4 (15%)
54	4SU	1y	8	54	18,21,22	1.72	4 (22%)	25,30,33	1.88	6 (24%)
55	4SU	1x	8	55	18,21,22	2.11	5 (27%)	25,30,33	1.64	6 (24%)
54	PSU	2w	32	54	18,21,22	1.38	2 (11%)	21,30,33	1.99	4 (19%)
1	4OC	1A	1942	1	19,22,24	0.78	0	25,31,35	0.97	1 (4%)
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	7MG	1y	46	54	23,26,27	1.35	4 (17%)	27,39,42	2.61	6 (22%)
54	4SU	2y	8	54	18,21,22	1.87	4 (22%)	25,30,33	2.25	5 (20%)
54	5MU	2y	54	54	19,22,23	1.51	4 (21%)	27,32,35	2.12	9 (33%)
32	4OC	1a	1402	32	20,23,24	0.79	0	25,32,35	1.03	2 (8%)
32	MA6	1a	1518	32	23,26,27	1.53	5 (21%)	33,38,41	2.31	13 (39%)
55	5MU	2x	54	55	19,22,23	1.39	5 (26%)	27,32,35	2.22	6 (22%)
32	4OC	2a	1402	56,32	20,23,24	0.81	0	25,32,35	1.07	1 (4%)
1	5MU	2A	1915	1	19,22,23	1.46	5 (26%)	27,32,35	2.23	6 (22%)
54	7MG	2y	46	54	23,26,27	1.45	4 (17%)	27,39,42	2.79	6 (22%)
1	5MC	1A	1984	56,1	19,22,23	1.57	3 (15%)	26,32,35	1.23	5 (19%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
43	0TD	2l	92	43	8,9,10	5.75	3 (37%)	6,11,13	2.22	1 (16%)
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%)
43	0TD	1l	92	43	8,9,10	5.73	6 (75%)	6,11,13	4.21	3 (50%)
55	5MC	2x	32	55	19,22,23	1.56	3 (15%)	26,32,35	1.19	3 (11%)
54	MIA	2w	37	54	24,27,32	2.04	5 (20%)	32,39,47	2.38	10 (31%)
1	PSU	2A	1917	1	18,21,22	1.36	2 (11%)	21,30,33	1.96	3 (14%)
54	PSU	2y	32	54	18,21,22	1.36	2 (11%)	21,30,33	1.93	4 (19%)
55	PSU	1x	55	55,56	18,21,22	1.35	2 (11%)	21,30,33	2.01	4 (19%)
32	PSU	2a	516	32	18,21,22	1.34	2 (11%)	21,30,33	1.90	4 (19%)
54	MIA	2y	37	54	21,24,32	1.58	4 (19%)	30,35,47	2.08	9 (30%)
1	PSU	1A	2617	56,1	18,21,22	1.51	4 (22%)	21,30,33	2.12	4 (19%)
54	7MG	1w	46	54	23,26,27	1.48	4 (17%)	27,39,42	2.54	7 (25%)
54	4SU	1w	8	54	18,21,22	1.82	5 (27%)	25,30,33	1.99	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
54	MIA	1y	37	54	-	0/7/25/34	0/3/3/3
54	PSU	2y	39	54	-	0/7/25/26	0/2/2/2
32	MA6	2a	1518	32	-	1/11/29/30	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
54	PSU	1w	32	56,54	-	0/7/25/26	0/2/2/2
32	M2G	1a	966	32	-	0/11/29/30	0/3/3/3
54	7MG	2w	46	54	-	4/7/37/38	0/3/3/3
32	UR3	2a	1498	32	-	0/7/25/26	0/2/2/2
32	7MG	2a	527	56,32	-	3/7/37/38	0/3/3/3
1	5MU	1A	1961	56,1	-	0/7/25/26	0/2/2/2
55	5MC	1x	32	55	-	0/7/25/26	0/2/2/2
1	2MA	1A	2515	56,1	-	1/7/25/26	0/3/3/3
32	5MC	1a	967	32	-	0/7/25/26	0/2/2/2
32	5MC	1a	1404	32	-	0/7/25/26	0/2/2/2
55	4SU	2x	8	55	-	1/7/25/26	0/2/2/2
54	5MU	1y	54	54	-	3/7/25/26	0/2/2/2
55	5MU	1x	54	55,56	-	0/7/25/26	0/2/2/2

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
54	PSU	1w	55	54	-	0/7/25/26	0/2/2/2
1	PSU	1A	1933	1	-	0/7/25/26	0/2/2/2
54	PSU	1y	55	54	-	1/7/25/26	0/2/2/2
1	2MU	1A	2564	56,1	-	0/9/27/28	0/2/2/2
54	MIA	1w	37	54	-	1/15/33/34	0/3/3/3
54	5MU	2w	54	54	-	0/7/25/26	0/2/2/2
32	2MG	2a	1207	32	-	0/9/27/28	0/3/3/3
1	OMG	1A	2263	56,1,55	-	0/9/27/28	0/3/3/3
54	PSU	2w	39	54	-	0/7/25/26	0/2/2/2
1	OMG	2A	2251	56,1,55	-	0/9/27/28	0/3/3/3
1	5MU	2A	1939	56,1	-	0/7/25/26	0/2/2/2
32	5MC	1a	1400	32	-	2/7/25/26	0/2/2/2
1	PSU	2A	2605	1	-	0/7/25/26	0/2/2/2
32	MA6	2a	1519	32	-	3/11/29/30	0/3/3/3
1	4OC	2A	1920	1	-	0/9/27/30	0/2/2/2
54	4SU	2w	8	54	-	1/7/25/26	0/2/2/2
32	5MC	2a	1400	32	-	0/7/25/26	0/2/2/2
32	5MC	2a	1407	32	-	0/7/25/26	0/2/2/2
1	2MA	2A	2503	56,1	-	1/7/25/26	0/3/3/3
32	7MG	1a	527	56,32	-	2/7/37/38	0/3/3/3
55	PSU	2x	55	55	-	0/7/25/26	0/2/2/2
1	2MU	2A	2552	56,1	-	0/9/27/28	0/2/2/2
1	5MC	2A	1942	1	-	0/7/25/26	0/2/2/2
1	PSU	2A	1911	1	-	0/7/25/26	0/2/2/2
1	5MC	2A	1962	56,1	-	0/7/25/26	0/2/2/2
32	2MG	1a	1207	32	-	0/9/27/28	0/3/3/3
54	5MU	1w	54	54	-	0/7/25/26	0/2/2/2
32	UR3	1a	1498	32	-	0/7/25/26	0/2/2/2
32	5MC	2a	967	32	-	0/7/25/26	0/2/2/2
54	PSU	1y	32	54	-	0/7/25/26	0/2/2/2
32	M2G	2a	966	32	-	0/11/29/30	0/3/3/3
54	PSU	2w	55	56,54	-	0/7/25/26	0/2/2/2
32	PSU	1a	516	32	-	0/7/25/26	0/2/2/2
54	PSU	1y	39	54	-	0/7/25/26	0/2/2/2
32	MA6	1a	1519	32	-	4/11/29/30	0/3/3/3
32	5MC	1a	1407	32	-	0/7/25/26	0/2/2/2
54	4SU	1y	8	54	-	3/7/25/26	0/2/2/2
55	4SU	1x	8	55	-	0/7/25/26	0/2/2/2
54	PSU	2w	32	54	-	0/7/25/26	0/2/2/2
1	4OC	1A	1942	1	-	1/9/27/30	0/2/2/2
54	PSU	2y	55	54	-	2/7/25/26	0/2/2/2

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
1	5MU	1A	1937	1	-	0/7/25/26	0/2/2/2
54	7MG	1y	46	54	-	2/7/37/38	0/3/3/3
54	4SU	2y	8	54	-	0/7/25/26	0/2/2/2
54	5MU	2y	54	54	-	2/7/25/26	0/2/2/2
32	4OC	1a	1402	32	-	3/9/29/30	0/2/2/2
32	MA6	1a	1518	32	-	2/11/29/30	0/3/3/3
55	5MU	2x	54	55	-	0/7/25/26	0/2/2/2
32	4OC	2a	1402	56,32	-	2/9/29/30	0/2/2/2
1	5MU	2A	1915	1	-	0/7/25/26	0/2/2/2
54	7MG	2y	46	54	-	3/7/37/38	0/3/3/3
1	5MC	1A	1984	56,1	-	0/7/25/26	0/2/2/2
43	0TD	2l	92	43	-	1/7/12/14	-
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
43	0TD	1l	92	43	-	3/7/12/14	-
55	5MC	2x	32	55	-	0/7/25/26	0/2/2/2
54	MIA	2w	37	54	-	2/11/29/34	0/3/3/3
1	PSU	2A	1917	1	-	0/7/25/26	0/2/2/2
54	PSU	2y	32	54	-	1/7/25/26	0/2/2/2
55	PSU	1x	55	55,56	-	0/7/25/26	0/2/2/2
32	PSU	2a	516	32	-	0/7/25/26	0/2/2/2
54	MIA	2y	37	54	-	3/7/25/34	0/3/3/3
1	PSU	1A	2617	56,1	-	0/7/25/26	0/2/2/2
54	7MG	1w	46	54	-	3/7/37/38	0/3/3/3
54	4SU	1w	8	54	-	0/7/25/26	0/2/2/2

The worst 5 of 271 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 436 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
54	1y	46	7MG	N9-C4-N3	9.11	138.80	125.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
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 62 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
54	1y	37	MIA	1	0
54	2y	39	PSU	2	0
32	2a	1518	MA6	2	0
54	1w	39	PSU	1	0
32	2a	1404	5MC	1	0
54	2w	46	7MG	2	0
32	2a	527	7MG	1	0
1	1A	1961	5MU	1	0
1	1A	2515	2MA	1	0
55	2x	8	4SU	1	0
54	1y	55	PSU	2	0
1	1A	2564	2MU	2	0
54	1w	37	MIA	1	0
32	2a	1207	2MG	3	0
54	2w	39	PSU	3	0
1	2A	2251	OMG	1	0
32	2a	1519	MA6	3	0
1	2A	1920	4OC	2	0
54	2w	8	4SU	2	0
32	2a	1407	5MC	1	0
1	2A	2503	2MA	2	0
1	2A	2552	2MU	1	0
1	2A	1911	PSU	1	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
32	2a	967	5MC	2	0
32	2a	966	M2G	1	0
54	1y	39	PSU	1	0
32	1a	1519	MA6	2	0
54	1y	8	4SU	3	0
55	1x	8	4SU	2	0
54	2y	55	PSU	8	0
54	2y	8	4SU	1	0
32	1a	1402	4OC	2	0
32	1a	1518	MA6	3	0
32	2a	1402	4OC	2	0
1	2A	1915	5MU	1	0
54	2y	46	7MG	1	0
43	2l	92	0TD	4	0
1	1A	1939	PSU	1	0
43	1l	92	0TD	1	0
55	2x	32	5MC	1	0
54	2w	37	MIA	1	0
1	2A	1917	PSU	1	0
54	2y	37	MIA	1	0
54	1w	46	7MG	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	-	-	-		
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%)	-0.06	157 (5%) 30 27	24, 43, 91, 103	0
1	2A	2789/2915 (95%)	0.02	100 (3%) 46 41	28, 48, 89, 106	0
2	1B	120/121 (99%)	0.50	1 (0%) 82 80	39, 61, 72, 90	0
2	2B	120/121 (99%)	1.26	14 (11%) 9 7	45, 68, 77, 91	0
3	1D	275/276 (99%)	0.31	5 (1%) 67 64	25, 42, 58, 80	0
3	2D	275/276 (99%)	0.31	3 (1%) 78 75	28, 45, 61, 78	0
4	1E	204/206 (99%)	0.42	7 (3%) 48 43	23, 46, 66, 80	0
4	2E	204/206 (99%)	0.40	3 (1%) 72 68	26, 50, 67, 80	0
5	1F	203/210 (96%)	0.55	7 (3%) 48 43	22, 51, 76, 91	0
5	2F	203/210 (96%)	0.65	7 (3%) 48 43	27, 56, 76, 91	0
6	1G	181/182 (99%)	1.37	30 (16%) 4 3	48, 69, 80, 92	0
6	2G	181/182 (99%)	2.11	96 (53%) 0 0	54, 73, 81, 93	0
7	1H	174/180 (96%)	1.16	14 (8%) 18 16	47, 64, 74, 83	0
7	2H	174/180 (96%)	1.59	44 (25%) 1 1	54, 70, 78, 83	0
8	1I	146/148 (98%)	1.17	14 (9%) 13 11	49, 73, 82, 85	0
8	2I	146/148 (98%)	1.31	24 (16%) 4 3	50, 73, 82, 86	0
9	1N	140/140 (100%)	0.74	3 (2%) 63 59	31, 48, 67, 77	0
9	2N	140/140 (100%)	0.68	3 (2%) 63 59	37, 53, 71, 80	0
10	1O	122/122 (100%)	0.08	2 (1%) 70 67	23, 40, 60, 74	0
10	2O	122/122 (100%)	0.87	5 (4%) 41 37	45, 59, 72, 81	0
11	1P	149/150 (99%)	0.82	15 (10%) 12 10	24, 53, 75, 81	0
11	2P	149/150 (99%)	0.84	10 (6%) 24 21	29, 58, 76, 85	0
12	1Q	141/141 (100%)	0.64	1 (0%) 84 81	33, 51, 68, 77	0
12	2Q	141/141 (100%)	1.24	25 (17%) 4 3	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%)	0.16	0 100 100	29, 40, 55, 62	0
13	2R	118/118 (100%)	0.14	0 100 100	31, 43, 58, 65	0
14	1S	110/112 (98%)	1.17	13 (11%) 9 7	49, 62, 72, 77	0
14	2S	110/112 (98%)	1.88	41 (37%) 1 1	55, 66, 75, 79	0
15	1T	131/146 (89%)	0.67	8 (6%) 27 23	38, 50, 72, 77	0
15	2T	131/146 (89%)	0.65	4 (3%) 51 47	43, 53, 74, 78	0
16	1U	116/118 (98%)	0.38	2 (1%) 69 65	26, 39, 55, 73	0
16	2U	116/118 (98%)	0.55	1 (0%) 81 78	33, 46, 61, 73	0
17	1V	101/101 (100%)	0.57	3 (2%) 52 48	28, 51, 67, 76	0
17	2V	101/101 (100%)	0.94	6 (5%) 28 24	33, 57, 70, 76	0
18	1W	112/113 (99%)	0.13	2 (1%) 67 64	26, 37, 55, 88	0
18	2W	112/113 (99%)	0.18	2 (1%) 67 64	30, 41, 57, 88	0
19	1X	95/96 (98%)	0.51	5 (5%) 32 28	30, 44, 63, 75	0
19	2X	95/96 (98%)	0.63	1 (1%) 78 75	34, 49, 65, 76	0
20	1Y	107/110 (97%)	1.02	10 (9%) 14 12	45, 57, 74, 83	0
20	2Y	107/110 (97%)	1.35	13 (12%) 8 7	48, 61, 76, 86	0
21	1Z	154/206 (74%)	0.95	22 (14%) 6 5	38, 64, 86, 96	0
21	2Z	160/206 (77%)	2.30	99 (61%) 0 0	72, 83, 93, 99	0
22	10	83/85 (97%)	0.21	0 100 100	25, 38, 59, 71	0
22	20	83/85 (97%)	1.51	18 (21%) 2 2	41, 66, 78, 82	0
23	11	97/98 (98%)	0.26	1 (1%) 79 76	23, 44, 71, 77	0
23	21	97/98 (98%)	1.01	13 (13%) 7 5	38, 58, 74, 82	0
24	12	70/72 (97%)	0.86	5 (7%) 22 19	40, 57, 66, 79	0
24	22	70/72 (97%)	0.99	2 (2%) 53 49	46, 61, 69, 78	0
25	13	59/60 (98%)	0.56	0 100 100	29, 45, 69, 83	0
25	23	59/60 (98%)	0.76	3 (5%) 33 29	36, 51, 72, 87	0
26	14	69/71 (97%)	1.71	24 (34%) 1 1	64, 79, 89, 97	0
26	24	69/71 (97%)	2.23	38 (55%) 0 0	70, 80, 89, 97	0
27	15	59/60 (98%)	0.12	1 (1%) 69 65	25, 36, 57, 72	0
27	25	59/60 (98%)	0.12	1 (1%) 69 65	30, 40, 60, 71	0
28	16	53/54 (98%)	0.53	1 (1%) 66 62	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%)	0.86	3 (5%) 29 26	42, 54, 65, 71	0
29	17	48/49 (97%)	0.11	5 (10%) 11 10	24, 31, 58, 69	0
29	27	48/49 (97%)	0.08	2 (4%) 40 36	28, 35, 58, 70	0
30	18	64/65 (98%)	0.49	4 (6%) 26 23	33, 42, 50, 66	0
30	28	64/65 (98%)	0.69	2 (3%) 51 47	38, 46, 53, 67	0
31	19	37/37 (100%)	0.74	0 100 100	37, 50, 67, 68	0
31	29	37/37 (100%)	1.28	6 (16%) 4 3	46, 54, 71, 72	0
32	1a	1488/1521 (97%)	0.76	95 (6%) 25 22	42, 72, 92, 103	0
32	2a	1491/1521 (98%)	1.02	238 (15%) 5 4	44, 74, 93, 103	0
33	1b	231/256 (90%)	1.65	72 (31%) 1 1	69, 82, 89, 94	0
33	2b	231/256 (90%)	2.41	146 (63%) 0 0	72, 83, 89, 94	0
34	1c	206/239 (86%)	1.65	59 (28%) 1 1	67, 80, 86, 92	0
34	2c	206/239 (86%)	2.50	137 (66%) 0 0	69, 82, 88, 93	0
35	1d	208/209 (99%)	1.43	39 (18%) 3 2	56, 72, 80, 87	0
35	2d	208/209 (99%)	1.43	39 (18%) 3 2	58, 71, 80, 88	0
36	1e	148/162 (91%)	1.38	26 (17%) 4 3	56, 72, 80, 86	0
36	2e	148/162 (91%)	2.03	71 (47%) 0 0	59, 74, 83, 87	0
37	1f	100/101 (99%)	1.10	6 (6%) 27 24	50, 66, 76, 78	0
37	2f	100/101 (99%)	1.13	6 (6%) 27 24	60, 72, 80, 86	0
38	1g	155/156 (99%)	1.55	40 (25%) 1 1	62, 74, 83, 100	0
38	2g	155/156 (99%)	1.76	51 (32%) 1 1	65, 76, 84, 102	0
39	1h	137/138 (99%)	1.26	17 (12%) 8 6	60, 72, 78, 83	0
39	2h	137/138 (99%)	1.78	47 (34%) 1 1	64, 74, 80, 84	0
40	1i	127/128 (99%)	1.55	37 (29%) 1 1	51, 75, 83, 87	0
40	2i	127/128 (99%)	2.77	93 (73%) 0 0	71, 85, 91, 92	0
41	1j	97/105 (92%)	1.86	35 (36%) 1 1	59, 78, 90, 95	0
41	2j	96/105 (91%)	3.02	77 (80%) 0 0	74, 87, 94, 98	0
42	1k	114/129 (88%)	1.14	17 (14%) 5 4	52, 69, 80, 83	0
42	2k	114/129 (88%)	1.32	20 (17%) 4 3	55, 71, 81, 87	0
43	1l	121/132 (91%)	1.06	17 (14%) 6 5	53, 64, 74, 77	0
43	2l	121/132 (91%)	1.37	18 (14%) 5 4	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%)	1.11	14 (11%) 10 8	54, 69, 78, 82	0
44	2m	122/126 (96%)	2.55	72 (59%) 0 0	73, 84, 90, 94	0
45	1n	60/61 (98%)	1.44	8 (13%) 7 6	57, 69, 78, 82	0
45	2n	60/61 (98%)	3.18	54 (90%) 0 0	78, 85, 93, 95	0
46	1o	88/89 (98%)	1.21	13 (14%) 5 4	56, 69, 78, 82	0
46	2o	88/89 (98%)	1.36	17 (19%) 3 2	57, 70, 80, 83	0
47	1p	82/88 (93%)	1.76	32 (39%) 1 0	58, 70, 80, 83	0
47	2p	82/88 (93%)	1.60	18 (21%) 2 2	59, 69, 81, 82	0
48	1q	99/105 (94%)	1.30	10 (10%) 12 10	57, 70, 79, 82	0
48	2q	99/105 (94%)	1.51	21 (21%) 2 2	60, 70, 79, 82	0
49	1r	68/88 (77%)	1.16	7 (10%) 12 10	60, 68, 79, 82	0
49	2r	68/88 (77%)	1.28	12 (17%) 4 3	60, 70, 80, 82	0
50	1s	83/93 (89%)	1.57	20 (24%) 2 1	70, 79, 86, 91	0
50	2s	83/93 (89%)	2.78	67 (80%) 0 0	74, 81, 88, 94	0
51	1t	96/106 (90%)	1.51	27 (28%) 1 1	58, 71, 80, 86	0
51	2t	96/106 (90%)	1.23	11 (11%) 9 8	59, 71, 81, 85	0
52	1u	23/27 (85%)	1.83	9 (39%) 1 0	65, 74, 78, 80	0
52	2u	23/27 (85%)	2.88	17 (73%) 0 0	68, 75, 80, 83	0
53	1v	13/24 (54%)	1.72	6 (46%) 0 0	60, 74, 92, 98	0
53	2v	13/24 (54%)	2.30	6 (46%) 0 0	65, 78, 95, 98	0
54	1w	67/76 (88%)	1.43	15 (22%) 2 2	44, 89, 97, 101	0
54	1y	67/76 (88%)	1.41	13 (19%) 3 2	37, 91, 97, 101	0
54	2w	65/76 (85%)	1.69	18 (27%) 1 1	56, 96, 101, 104	0
54	2y	66/76 (86%)	1.56	13 (19%) 3 2	51, 95, 99, 100	0
55	1x	72/77 (93%)	0.49	4 (5%) 30 26	33, 66, 84, 87	0
55	2x	72/77 (93%)	0.92	1 (1%) 73 70	52, 81, 90, 95	0
All	All	20875/21748 (95%)	0.81	2859 (13%) 6 5	22, 63, 88, 106	0

The worst 5 of 2859 RSRZ outliers are listed below:

Mol	Chain	Res	Type	RSRZ
41	2j	40	LEU	6.8
38	1g	80	VAL	6.8

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Mol	Chain	Res	Type	RSRZ
44	2m	102	ARG	6.7
45	2n	25	VAL	6.7
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.