



wwPDB X-ray Structure Validation Summary Report ⓘ

Mar 9, 2026 – 09:12 AM UTC

PDB ID : 6UCQ / pdb_00006ucq
Title : Crystal structure of the Thermus thermophilus 70S ribosome recycling complex
Authors : Zhou, D.; Tanzawa, T.; Gagnon, M.G.; Lin, J.
Deposited on : 2019-09-17
Resolution : 3.50 Å(reported)

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

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

A user guide is available at

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

with specific help available everywhere you see the ⓘ symbol.

The types of validation reports are described at

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

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

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

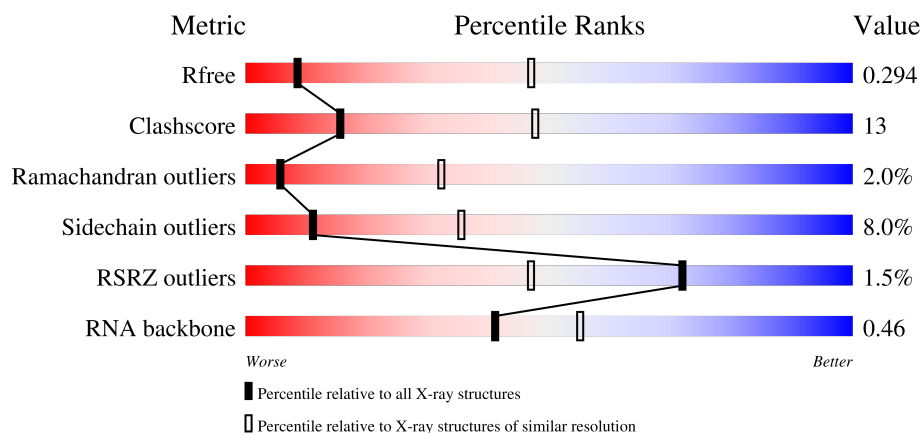
1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

X-RAY DIFFRACTION

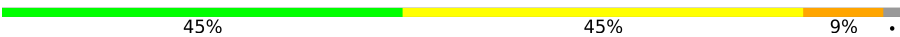
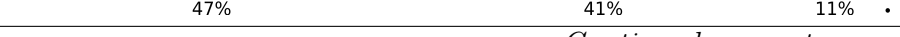
The reported resolution of this entry is 3.50 Å.

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.



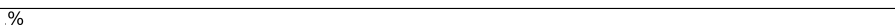
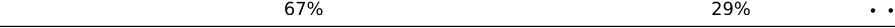
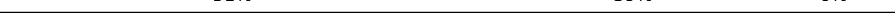
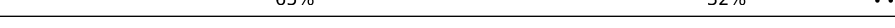
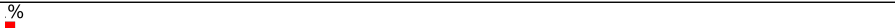
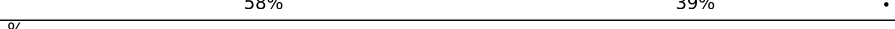
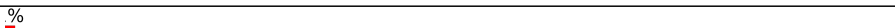
Metric	Whole archive (#Entries)	Similar resolution (#Entries, resolution range(Å))
R_{free}	180053	1085 (3.54-3.46)
Clashscore	190562	1140 (3.54-3.46)
Ramachandran outliers	187476	1113 (3.54-3.46)
Sidechain outliers	187428	1114 (3.54-3.46)
RSRZ outliers	180081	1084 (3.54-3.46)
RNA backbone	3983	1010 (3.98-3.02)

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	
1	2A	2915	
2	1B	121	
2	2B	121	

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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	1N	140	
8	2N	140	
9	1O	122	
9	2O	122	
10	1P	150	
10	2P	150	
11	1Q	141	
11	2Q	141	
12	1R	118	
12	2R	118	
13	1S	112	
13	2S	112	
14	1T	146	
14	2T	146	
15	1U	118	

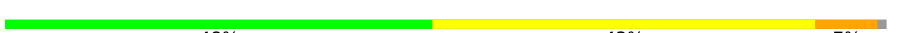
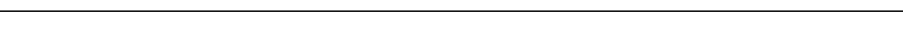
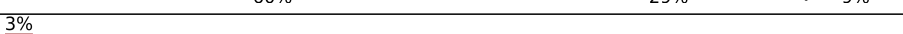
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Mol	Chain	Length	Quality of chain
15	2U	118	3% 53% 45% .
16	1V	101	62% 32% 6%
16	2V	101	4% 71% 26% .
17	1W	113	65% 31% .
17	2W	113	53% 39% 7% .
18	1X	96	% 58% 36% .
18	2X	96	65% 33% .
19	1Y	110	% 57% 37% .
19	2Y	110	3% 56% 37% .
20	1Z	206	54% 38% 7% .
20	2Z	206	62% 28% 9% .
21	10	85	51% 38% 12%
21	20	85	2% 64% 22% .
22	11	98	% 68% 29% .
22	21	98	3% 63% 33% .
23	12	72	53% 36% 6% .
23	22	72	4% 69% 26% .
24	13	60	53% 37% 8% .
24	23	60	2% 65% 30% .
25	14	71	52% 35% 8% .
25	24	71	55% 34% 8% .
26	15	60	2% 65% 30% .
26	25	60	2% 65% 30% .
27	16	54	57% 37% .
27	26	54	2% 70% 28% .

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Mol	Chain	Length	Quality of chain
28	17	49	
28	27	49	
29	18	65	
29	28	65	
30	19	37	
30	29	37	
31	1a	1521	
31	2a	1521	
32	1b	256	
32	2b	256	
33	1c	239	
33	2c	239	
34	1d	209	
34	2d	209	
35	1e	162	
35	2e	162	
36	1f	101	
36	2f	101	
37	1g	156	
37	2g	156	
38	1h	138	
38	2h	138	
39	1i	128	
39	2i	128	
40	1j	105	

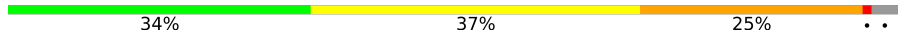
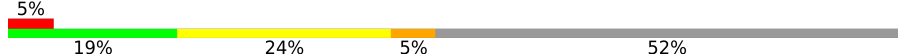
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Mol	Chain	Length	Quality of chain
40	2j	105	
41	1k	129	
41	2k	129	
42	1l	132	
42	2l	132	
43	1m	126	
43	2m	126	
44	1n	61	
44	2n	61	
45	1o	89	
45	2o	89	
46	1p	88	
46	2p	88	
47	1q	105	
47	2q	105	
48	1r	88	
48	2r	88	
49	1s	93	
49	2s	93	
50	1t	106	
50	2t	106	
51	1u	27	
51	2u	27	
52	1v	758	
52	2v	758	

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Mol	Chain	Length	Quality of chain
53	1w	185	
53	2w	185	
54	1x	76	
54	1y	76	
54	2x	76	
54	2y	76	
55	1z	21	
55	2z	21	

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
56	MG	1A	4036	-	-	-	X
56	MG	1A	4180	-	-	-	X
56	MG	1A	4211	-	-	-	X
56	MG	1A	4348	-	-	-	X
56	MG	1A	4394	-	-	-	X
56	MG	1A	4682	-	-	-	X
56	MG	1B	216	-	-	-	X
56	MG	1a	1625	-	-	-	X
56	MG	1a	1634	-	-	-	X
56	MG	1a	1644	-	-	-	X
56	MG	1a	1647	-	-	-	X
56	MG	1a	1649	-	-	-	X
56	MG	1a	1662	-	-	-	X
56	MG	1a	1686	-	-	-	X
56	MG	1a	1752	-	-	-	X
56	MG	1a	1757	-	-	-	X
56	MG	1a	1792	-	-	-	X
56	MG	1a	1831	-	-	-	X
56	MG	1a	1863	-	-	-	X
56	MG	1v	701	-	-	-	X
56	MG	1y	102	-	-	-	X
56	MG	28	101	-	-	-	X
56	MG	2A	3071	-	-	-	X

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
56	MG	2A	3095	-	-	-	X
56	MG	2A	3096	-	-	-	X
56	MG	2A	3097	-	-	-	X
56	MG	2A	3162	-	-	-	X
56	MG	2A	3185	-	-	-	X
56	MG	2A	3198	-	-	-	X
56	MG	2A	3210	-	-	-	X
56	MG	2A	3232	-	-	-	X
56	MG	2A	3235	-	-	-	X
56	MG	2A	3236	-	-	-	X
56	MG	2A	3279	-	-	-	X
56	MG	2A	3287	-	-	-	X
56	MG	2A	3327	-	-	-	X
56	MG	2A	3329	-	-	-	X
56	MG	2A	3346	-	-	-	X
56	MG	2A	3355	-	-	-	X
56	MG	2A	3363	-	-	-	X
56	MG	2A	3365	-	-	-	X
56	MG	2A	3366	-	-	-	X
56	MG	2A	3424	-	-	-	X
56	MG	2A	3610	-	-	-	X
56	MG	2B	221	-	-	-	X
56	MG	2B	227	-	-	-	X
56	MG	2Q	202	-	-	-	X
56	MG	2a	1607	-	-	-	X
56	MG	2a	1608	-	-	-	X
56	MG	2a	1609	-	-	-	X
56	MG	2a	1615	-	-	-	X
56	MG	2a	1650	-	-	-	X
56	MG	2a	1651	-	-	-	X
56	MG	2a	1663	-	-	-	X
56	MG	2a	1664	-	-	-	X
56	MG	2a	1674	-	-	-	X
56	MG	2a	1734	-	-	-	X
56	MG	2a	1746	-	-	-	X
56	MG	2g	202	-	-	-	X
56	MG	2l	201	-	-	-	X
56	MG	2u	103	-	-	-	X
58	SF4	1d	304	-	-	X	-

2 Entry composition

There are 60 unique types of molecules in this entry. The entry contains 305259 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
			1451	930	261	256	4			
6	2G	181	Total	C	N	O	S	0	0	0
			1453	930	263	256	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 L13.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
8	1N	140	Total	C	N	O	S	0	0	0
			1117	719	207	187	4			
8	2N	140	Total	C	N	O	S	0	0	0
			1117	719	207	187	4			

- Molecule 9 is a protein called 50S ribosomal protein L14.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
9	1O	122	Total	C	N	O	S	0	0	0
			933	588	171	170	4			
9	2O	122	Total	C	N	O	S	0	0	0
			933	588	171	170	4			

- Molecule 10 is a protein called 50S ribosomal protein L15.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
10	1P	149	Total	C	N	O	S	0	0	0
			1135	706	230	196	3			

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
10	2P	149	Total	C	N	O	S	0	0	0
			1135	706	230	196	3			

- Molecule 11 is a protein called 50S ribosomal protein L16.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
11	1Q	141	Total	C	N	O	S	0	0	0
			1122	715	212	188	7			
11	2Q	141	Total	C	N	O	S	0	0	0
			1122	715	212	188	7			

- Molecule 12 is a protein called 50S ribosomal protein L17.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
12	1R	118	Total	C	N	O	S	0	0	0
			968	604	203	160	1			
12	2R	118	Total	C	N	O	S	0	0	0
			968	604	203	160	1			

- Molecule 13 is a protein called 50S ribosomal protein L18.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
13	1S	110	Total	C	N	O	S	0	0	0
			873	550	174	149				
13	2S	110	Total	C	N	O	S	0	0	0
			870	549	173	148				

- Molecule 14 is a protein called 50S ribosomal protein L19.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
14	1T	131	Total	C	N	O	S	0	0	0
			1091	680	225	185	1			
14	2T	131	Total	C	N	O	S	0	0	0
			1083	675	224	183	1			

- Molecule 15 is a protein called 50S ribosomal protein L20.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
15	1U	116	Total	C	N	O	S	0	0	0
			959	608	201	149	1			
15	2U	116	Total	C	N	O	S	0	0	0
			959	608	201	149	1			

- Molecule 16 is a protein called 50S ribosomal protein L21.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
16	1V	101	Total	C	N	O	S	0	0	0
			771	495	140	135	1			
16	2V	101	Total	C	N	O	S	0	0	0
			771	495	140	135	1			

- Molecule 17 is a protein called 50S ribosomal protein L22.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
17	1W	112	Total	C	N	O	S	0	0	0
			886	557	174	153	2			
17	2W	112	Total	C	N	O	S	0	0	0
			886	557	174	153	2			

- Molecule 18 is a protein called 50S ribosomal protein L23.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
18	1X	95	Total	C	N	O	S	0	0	0
			750	488	135	126	1			
18	2X	95	Total	C	N	O	S	0	0	0
			750	488	135	126	1			

- Molecule 19 is a protein called 50S ribosomal protein L24.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
19	1Y	107	Total	C	N	O	S	0	0	0
			806	517	152	131	6			
19	2Y	107	Total	C	N	O	S	0	0	0
			806	517	152	131	6			

- Molecule 20 is a protein called 50S ribosomal protein L25.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
20	1Z	204	Total	C	N	O	S	0	0	0
			1582	1007	278	295	2			
20	2Z	204	Total	C	N	O	S	0	0	0
			1582	1007	278	295	2			

- Molecule 21 is a protein called 50S ribosomal protein L27.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
21	10	75	Total	C	N	O	S	0	0	0
			598	370	127	100	1			
21	20	75	Total	C	N	O	S	0	0	0
			598	370	127	100	1			

- Molecule 22 is a protein called 50S ribosomal protein L28.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
22	11	97	Total	C	N	O	S	0	0	0
			755	475	148	131	1			
22	21	97	Total	C	N	O	S	0	0	0
			755	475	148	131	1			

- Molecule 23 is a protein called 50S ribosomal protein L29.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
23	12	70	Total	C	N	O	S	0	0	0
			588	365	118	103	2			
23	22	70	Total	C	N	O	S	0	0	0
			588	365	118	103	2			

- Molecule 24 is a protein called 50S ribosomal protein L30.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
24	13	59	Total	C	N	O	0	0	0
			469	298	90	81			
24	23	59	Total	C	N	O	0	0	0
			464	296	90	78			

- Molecule 25 is a protein called 50S ribosomal protein L31.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
25	14	69	Total	C	N	O	S	0	0	0
			552	349	99	99	5			
25	24	69	Total	C	N	O	S	0	0	0
			532	339	97	91	5			

- Molecule 26 is a protein called 50S ribosomal protein L32.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
26	15	59	Total	C	N	O	S	0	0	0
			455	285	89	76	5			

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
26	25	59	Total	C	N	O	S	0	0	0
			455	285	89	76	5			

- Molecule 27 is a protein called 50S ribosomal protein L33.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
27	16	53	Total	C	N	O	S	0	0	0
			453	281	91	77	4			
27	26	53	Total	C	N	O	S	0	0	0
			449	279	91	75	4			

- Molecule 28 is a protein called 50S ribosomal protein L34.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
28	17	48	Total	C	N	O	S	0	0	0
			418	257	104	55	2			
28	27	48	Total	C	N	O	S	0	0	0
			418	257	104	55	2			

- Molecule 29 is a protein called 50S ribosomal protein L35.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
29	18	64	Total	C	N	O	S	0	0	0
			517	331	102	82	2			
29	28	64	Total	C	N	O	S	0	0	0
			517	331	102	82	2			

- Molecule 30 is a protein called 50S ribosomal protein L36.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
30	19	37	Total	C	N	O	S	0	0	0
			307	188	68	47	4			
30	29	37	Total	C	N	O	S	0	0	0
			307	188	68	47	4			

- Molecule 31 is a RNA chain called 16S Ribosomal RNA.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
31	1a	1499	Total	C	N	O	P	0	0	0
			32224	14348	5970	10407	1499			
31	2a	1503	Total	C	N	O	P	0	0	0
			32327	14396	5990	10438	1503			

- Molecule 32 is a protein called 30S ribosomal protein S2.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
32	1b	231	Total	C	N	O	S	0	0	0
			1846	1179	331	331	5			
32	2b	231	Total	C	N	O	S	0	0	0
			1825	1167	326	327	5			

- Molecule 33 is a protein called 30S ribosomal protein S3.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
33	1c	206	Total	C	N	O	S	0	0	0
			1548	973	301	273	1			
33	2c	206	Total	C	N	O	S	0	0	0
			1542	968	300	273	1			

- Molecule 34 is a protein called 30S ribosomal protein S4.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
34	1d	208	Total	C	N	O	S	0	0	0
			1655	1038	326	284	7			
34	2d	208	Total	C	N	O	S	0	0	0
			1674	1050	333	284	7			

- Molecule 35 is a protein called 30S ribosomal protein S5.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
35	1e	148	Total	C	N	O	S	0	0	0
			1129	714	213	198	4			
35	2e	148	Total	C	N	O	S	0	0	0
			1133	716	214	199	4			

- Molecule 36 is a protein called 30S ribosomal protein S6.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
36	1f	100	Total	C	N	O	S	0	0	0
			810	514	144	149	3			
36	2f	100	Total	C	N	O	S	0	0	0
			816	516	146	151	3			

- Molecule 37 is a protein called 30S ribosomal protein S7.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
37	1g	155	Total	C	N	O	S	0	0	0
			1231	766	243	216	6			
37	2g	155	Total	C	N	O	S	0	0	0
			1235	769	244	216	6			

- Molecule 38 is a protein called 30S ribosomal protein S8.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
38	1h	137	Total	C	N	O	S	0	0	0
			1088	689	206	191	2			
38	2h	137	Total	C	N	O	S	0	0	0
			1088	689	206	191	2			

- Molecule 39 is a protein called 30S ribosomal protein S9.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
39	1i	127	Total	C	N	O	0	0	0
			983	623	193	167			
39	2i	127	Total	C	N	O	0	0	0
			978	619	190	169			

- Molecule 40 is a protein called 30S ribosomal protein S10.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
40	1j	97	Total	C	N	O	0	0	0
			709	440	138	131			
40	2j	96	Total	C	N	O	0	0	0
			714	445	138	131			

- Molecule 41 is a protein called 30S ribosomal protein S11.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
41	1k	114	Total	C	N	O	S	0	0	0
			829	516	155	155	3			
41	2k	114	Total	C	N	O	S	0	0	0
			833	519	156	155	3			

- Molecule 42 is a protein called 30S ribosomal protein S12.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
42	1l	122	Total	C	N	O	S	0	0	0
			932	586	185	159	2			

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
42	2l	122	Total	C	N	O	S	0	0	0
			932	586	185	159	2			

- Molecule 43 is a protein called 30S ribosomal protein S13.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
43	1m	118	Total	C	N	O	S	0	0	0
			919	566	190	161	2			
43	2m	122	Total	C	N	O	S	0	0	0
			950	586	197	165	2			

- Molecule 44 is a protein called 30S ribosomal protein S14 type Z.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
44	1n	60	Total	C	N	O	S	0	0	0
			492	312	104	72	4			
44	2n	60	Total	C	N	O	S	0	0	0
			492	312	104	72	4			

- Molecule 45 is a protein called 30S ribosomal protein S15.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
45	1o	88	Total	C	N	O	S	0	0	0
			728	456	144	126	2			
45	2o	88	Total	C	N	O	S	0	0	0
			728	456	144	126	2			

- Molecule 46 is a protein called 30S ribosomal protein S16.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
46	1p	82	Total	C	N	O	S	0	0	0
			681	433	134	113	1			
46	2p	82	Total	C	N	O	S	0	0	0
			677	430	133	113	1			

- Molecule 47 is a protein called 30S ribosomal protein S17.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
47	1q	99	Total	C	N	O	S	0	0	0
			823	528	151	142	2			
47	2q	99	Total	C	N	O	S	0	0	0
			823	528	151	142	2			

- Molecule 48 is a protein called 30S ribosomal protein S18.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
48	1r	68	Total	C	N	O	0	0	0
			555	355	108	92			
48	2r	68	Total	C	N	O	0	0	0
			555	355	108	92			

- Molecule 49 is a protein called 30S ribosomal protein S19.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
49	1s	83	Total	C	N	O	S	0	0	0
			652	417	120	113	2			
49	2s	83	Total	C	N	O	S	0	0	0
			646	412	119	113	2			

- Molecule 50 is a protein called 30S ribosomal protein S20.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
50	1t	96	Total	C	N	O	S	0	0	0
			728	446	156	124	2			
50	2t	96	Total	C	N	O	S	0	0	0
			727	446	155	124	2			

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

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
51	1u	23	Total	C	N	O	0	0	0
			199	122	48	29			
51	2u	23	Total	C	N	O	0	0	0
			199	122	48	29			

- Molecule 52 is a protein called 50S ribosomal protein L9,Elongation factor G.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
52	1v	728	Total	C	N	O	S	0	0	0
			5664	3599	974	1072	19			
52	2v	728	Total	C	N	O	S	0	0	0
			5664	3599	974	1072	19			

- Molecule 53 is a protein called Ribosome-recycling factor.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
53	1w	185	Total	C	N	O	S	0	0	0
			1478	924	270	282	2			
53	2w	185	Total	C	N	O	S	0	0	0
			1478	924	270	282	2			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
54	1x	74	Total	C	N	O	P	S	0	0
			1581	707	285	515	73	1		
54	1y	74	Total	C	N	O	P	S	0	0
			1581	707	285	515	73	1		
54	2x	74	Total	C	N	O	P	S	0	0
			1581	707	285	515	73	1		
54	2y	74	Total	C	N	O	P	S	0	0
			1581	707	285	515	73	1		

- Molecule 55 is a RNA chain called mRNA.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
55	1z	10	Total	C	N	O	P	0	0	0
			212	96	39	67	10			
55	2z	10	Total	C	N	O	P	0	0	0
			212	96	39	67	10			

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

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
56	1A	1063	Total	Mg	0	0
			1063	1063		
56	1B	26	Total	Mg	0	0
			26	26		
56	1D	8	Total	Mg	0	0
			8	8		
56	1E	8	Total	Mg	0	0
			8	8		
56	1F	1	Total	Mg	0	0
			1	1		
56	1H	2	Total	Mg	0	0
			2	2		
56	1N	1	Total	Mg	0	0
			1	1		
56	1O	5	Total	Mg	0	0
			5	5		

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
56	1P	5	Total 5	Mg 5	0	0
56	1Q	3	Total 3	Mg 3	0	0
56	1R	3	Total 3	Mg 3	0	0
56	1S	2	Total 2	Mg 2	0	0
56	1T	5	Total 5	Mg 5	0	0
56	1U	3	Total 3	Mg 3	0	0
56	1V	1	Total 1	Mg 1	0	0
56	1W	2	Total 2	Mg 2	0	0
56	1Y	1	Total 1	Mg 1	0	0
56	1Z	5	Total 5	Mg 5	0	0
56	10	4	Total 4	Mg 4	0	0
56	11	1	Total 1	Mg 1	0	0
56	12	1	Total 1	Mg 1	0	0
56	13	1	Total 1	Mg 1	0	0
56	15	2	Total 2	Mg 2	0	0
56	16	1	Total 1	Mg 1	0	0
56	17	3	Total 3	Mg 3	0	0
56	18	3	Total 3	Mg 3	0	0
56	19	1	Total 1	Mg 1	0	0
56	1a	319	Total 319	Mg 319	0	0
56	1b	9	Total 9	Mg 9	0	0

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
56	1d	4	Total 4	Mg 4	0	0
56	1e	2	Total 2	Mg 2	0	0
56	1g	2	Total 2	Mg 2	0	0
56	1i	1	Total 1	Mg 1	0	0
56	1l	1	Total 1	Mg 1	0	0
56	1m	2	Total 2	Mg 2	0	0
56	1n	2	Total 2	Mg 2	0	0
56	1o	1	Total 1	Mg 1	0	0
56	1p	1	Total 1	Mg 1	0	0
56	1q	1	Total 1	Mg 1	0	0
56	1s	3	Total 3	Mg 3	0	0
56	1t	1	Total 1	Mg 1	0	0
56	1u	1	Total 1	Mg 1	0	0
56	1v	3	Total 3	Mg 3	0	0
56	1x	2	Total 2	Mg 2	0	0
56	1y	6	Total 6	Mg 6	0	0
56	1z	1	Total 1	Mg 1	0	0
56	2A	852	Total 852	Mg 852	0	0
56	2B	32	Total 32	Mg 32	0	0
56	2D	6	Total 6	Mg 6	0	0
56	2E	5	Total 5	Mg 5	0	0

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
56	2F	4	Total 4	Mg 4	0	0
56	2N	2	Total 2	Mg 2	0	0
56	2O	1	Total 1	Mg 1	0	0
56	2P	3	Total 3	Mg 3	0	0
56	2Q	6	Total 6	Mg 6	0	0
56	2S	1	Total 1	Mg 1	0	0
56	2T	2	Total 2	Mg 2	0	0
56	2V	1	Total 1	Mg 1	0	0
56	2X	1	Total 1	Mg 1	0	0
56	2Y	2	Total 2	Mg 2	0	0
56	2Z	4	Total 4	Mg 4	0	0
56	20	6	Total 6	Mg 6	0	0
56	21	1	Total 1	Mg 1	0	0
56	23	3	Total 3	Mg 3	0	0
56	24	1	Total 1	Mg 1	0	0
56	25	1	Total 1	Mg 1	0	0
56	26	2	Total 2	Mg 2	0	0
56	27	3	Total 3	Mg 3	0	0
56	28	6	Total 6	Mg 6	0	0
56	29	2	Total 2	Mg 2	0	0
56	2a	321	Total 321	Mg 321	0	0

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
56	2b	3	Total 3	Mg 3	0	0
56	2c	1	Total 1	Mg 1	0	0
56	2d	3	Total 3	Mg 3	0	0
56	2e	2	Total 2	Mg 2	0	0
56	2f	4	Total 4	Mg 4	0	0
56	2g	6	Total 6	Mg 6	0	0
56	2h	5	Total 5	Mg 5	0	0
56	2i	4	Total 4	Mg 4	0	0
56	2k	2	Total 2	Mg 2	0	0
56	2l	6	Total 6	Mg 6	0	0
56	2m	3	Total 3	Mg 3	0	0
56	2o	1	Total 1	Mg 1	0	0
56	2p	3	Total 3	Mg 3	0	0
56	2q	4	Total 4	Mg 4	0	0
56	2r	2	Total 2	Mg 2	0	0
56	2s	3	Total 3	Mg 3	0	0
56	2t	1	Total 1	Mg 1	0	0
56	2u	3	Total 3	Mg 3	0	0
56	2v	3	Total 3	Mg 3	0	0
56	2w	2	Total 2	Mg 2	0	0
56	2x	8	Total 8	Mg 8	0	0

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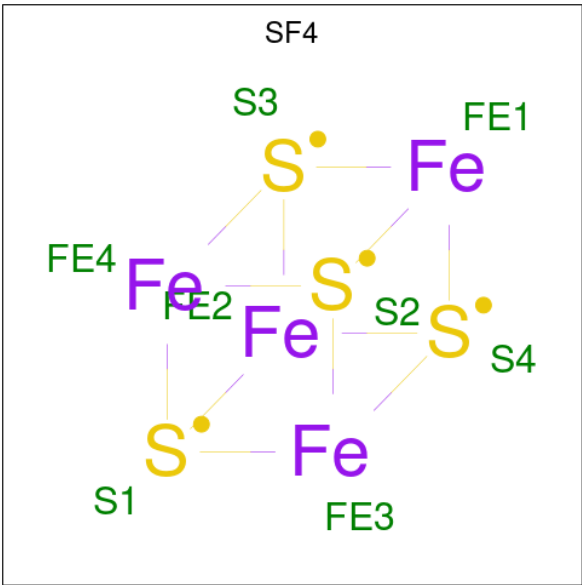
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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
56	2y	10	Total 10	Mg 10	0	0
56	2z	3	Total 3	Mg 3	0	0

- Molecule 57 is ZINC ION (CCD ID: ZN) (formula: Zn).

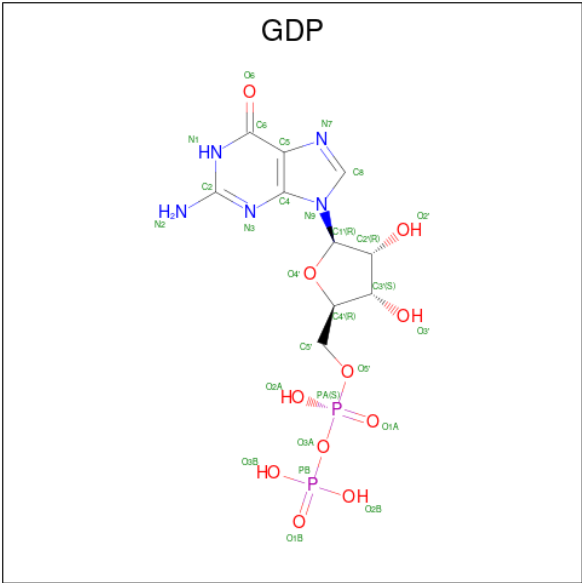
Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
57	1Y	1	Total 1	Zn 1	0	0
57	14	1	Total 1	Zn 1	0	0
57	15	1	Total 1	Zn 1	0	0
57	16	1	Total 1	Zn 1	0	0
57	19	1	Total 1	Zn 1	0	0
57	1n	1	Total 1	Zn 1	0	0
57	2Y	1	Total 1	Zn 1	0	0
57	24	1	Total 1	Zn 1	0	0
57	25	1	Total 1	Zn 1	0	0
57	26	1	Total 1	Zn 1	0	0
57	29	1	Total 1	Zn 1	0	0
57	2n	1	Total 1	Zn 1	0	0

- Molecule 58 is IRON/SULFUR CLUSTER (CCD ID: SF4) (formula: Fe₄S₄).



Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
58	1d	1	Total	Fe	S	0	0
			8	4	4		
58	2d	1	Total	Fe	S	0	0
			8	4	4		

- Molecule 59 is GUANOSINE-5'-DIPHOSPHATE (CCD ID: GDP) (formula: C₁₀H₁₅N₅O₁₁P₂).



Mol	Chain	Residues	Atoms				ZeroOcc	AltConf
59	1v	1	Total	C	N	O	P	0
			28	10	5	11	2	
59	2v	1	Total	C	N	O	P	0
			28	10	5	11	2	

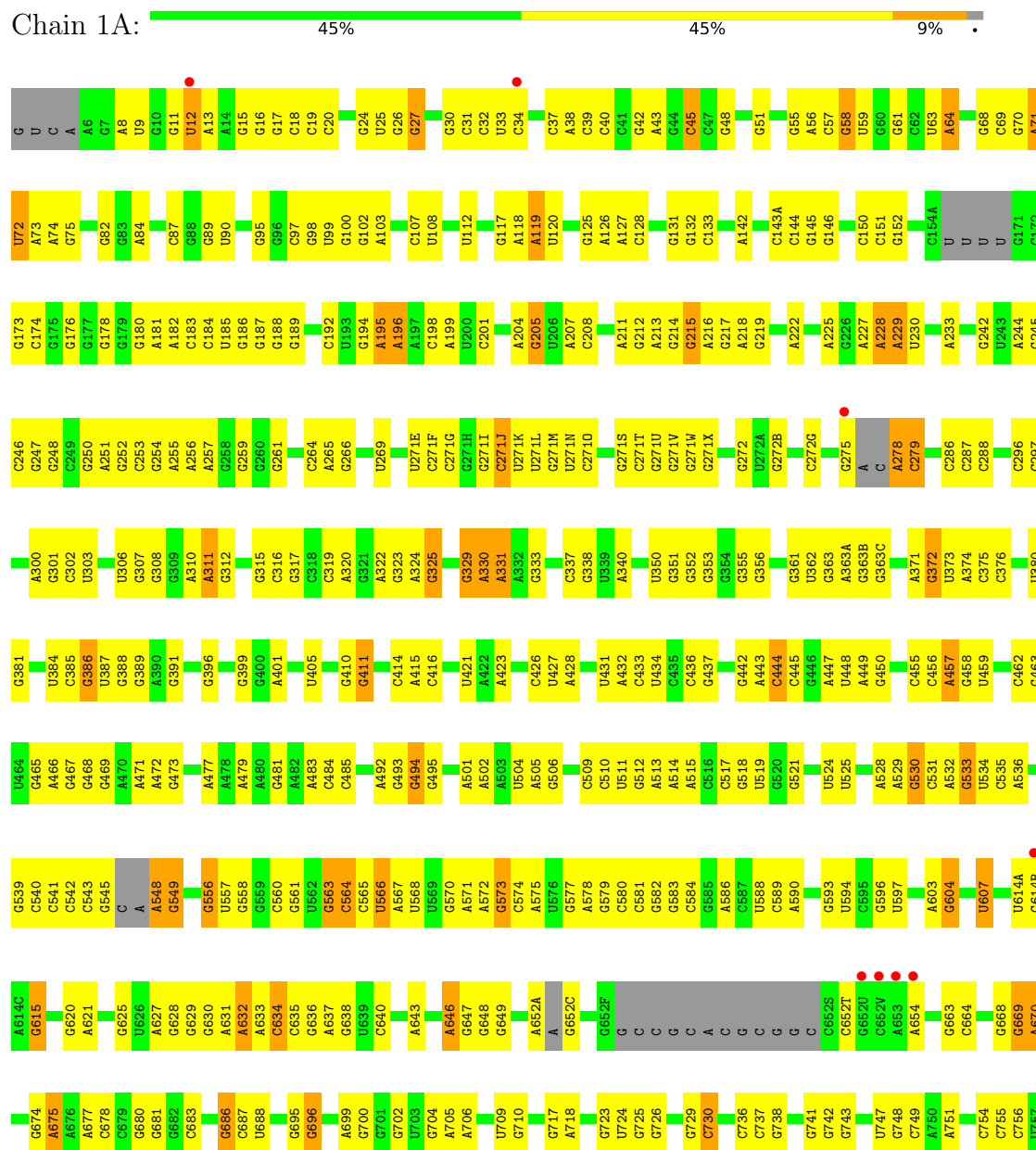
- Molecule 60 is POTASSIUM ION (CCD ID: K) (formula: K).

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
60	2A	1	Total	K	0	0
			1	1		

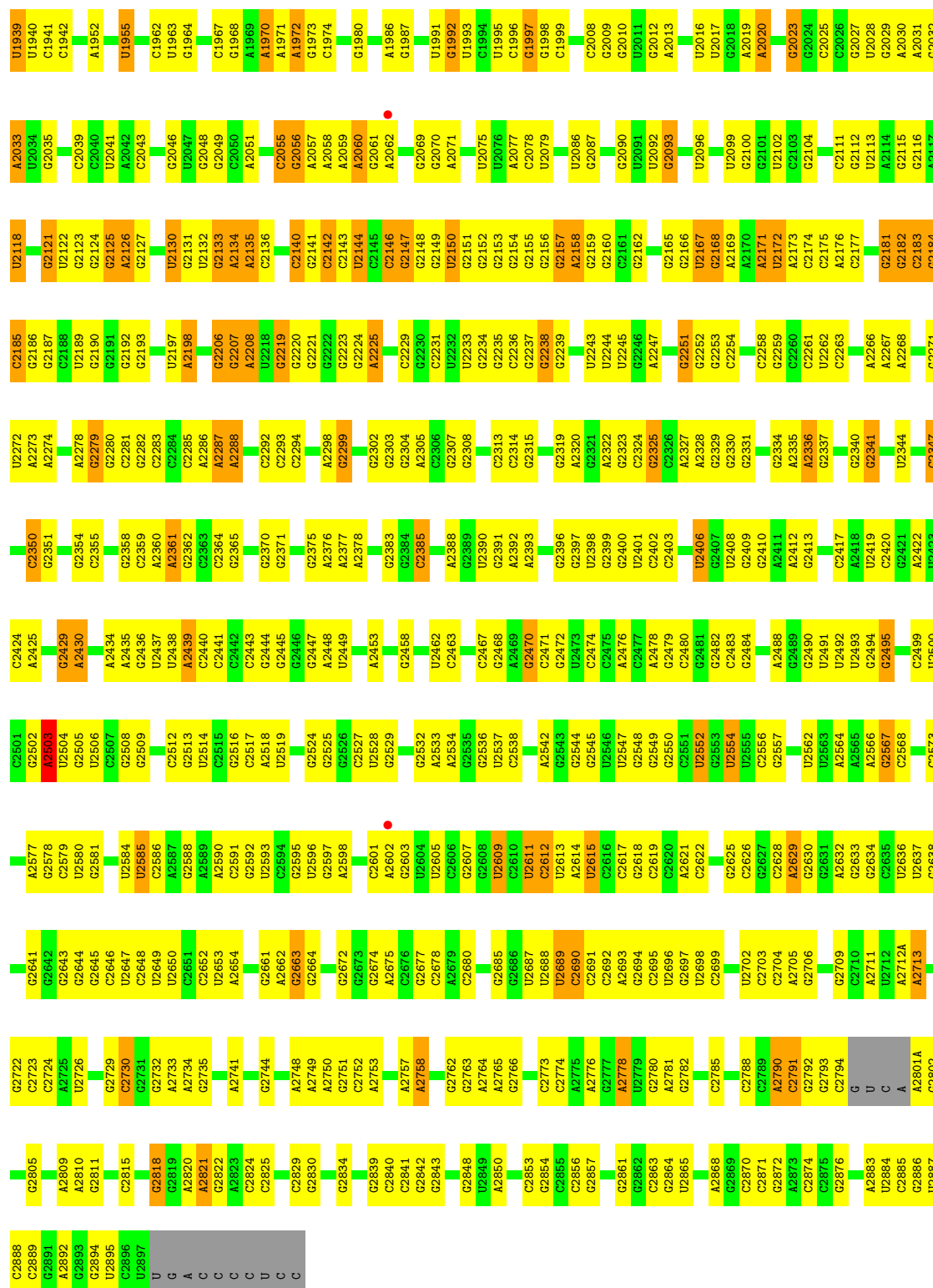
3 Residue-property plots

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

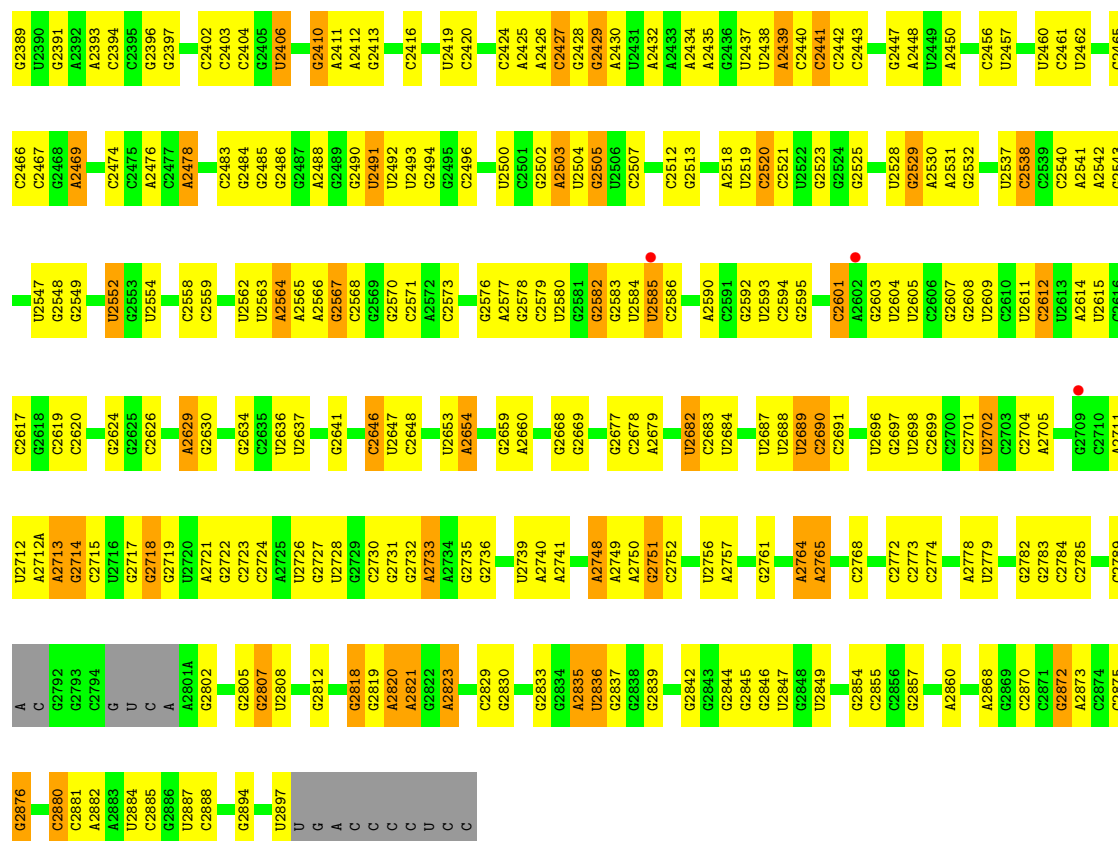
• Molecule 1: 23S Ribosomal RNA





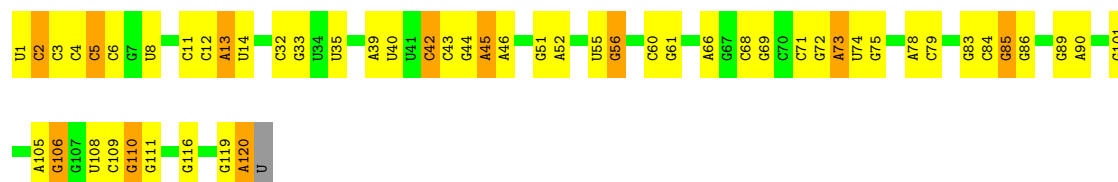


U2312	C2313	C2314	C2315	C2316	C2317	C2318	C2319	A2320	G2321	G2325	C2326	A2327	G2330	G2331	G2334	A2335	A2336	G2337	G2340	G2341	C2342	C2343	G2344	A2345	A2346	C2347	C2350	G2351	A2352	G2355	G2364	C2367	C2368	A2369	G2370	G2371	G2372	G2373	G2374	G2375	A2376	A2377	A2378	G2381	A2382	G2383	G2384	G2385				
U2233	C2236	G2237	G2238	G2239	U2243	U2244	U2245	G2246	G2250	G2251	G2252	G2253	G2256	U2257	G2258	C2261	U2262	G2263	A2268	A2273	A2274	G2275	G2276	G2277	A2278	G2279	G2280	G2281	G2282	G2283	G2284	A2287	U2291	C2292	G2293	G2294	G2295	U2296	G2297	A2298	G2299	G2303	G2304	A2305	G2306	G2307	G2308	A2311				
U2144	G2145	G2146	G2147	G2148	G2149	U2150	G2153	G2154	G2155	G2156	G2157	A2158	G2159	G2160	G2161	G2162	G2165	G2166	U2167	G2168	U2172	A2173	G2174	G2177	G2178	G2185	G2186	G2187	G2188	U2189	G2190	G2191	G2192	U2197	A2198	U2203	G2205	C2206	G2207	U2130	G2131	U2132	G2133	A2134	G2221	G2222	G2223	G2224	A2225	G2226	A2227	G2228
U1991	G1992	U1993	C1996	U1997	G1998	C1999	G2000	A2001	G2002	G2009	G2010	U2011	G2012	A2013	A2014	G2018	A2019	A2020	C2021	G2022	G2023	G2024	C2025	G2026	G2027	A2030	A2031	G2032	A2033	U2034	G2037	G2038	C2039	U2041	C2042	C2043	C2044	G2048	G2049	G2052	G2053	A2054	C2055	G2056	A2060	G2061	A2062	U2068	G2069			
C1905	G1906	G1910	U1911	U1912	A1913	C1914	U1915	A1916	U1917	A1918	A1919	C1920	G1921	G1925	U1926	A1927	A1928	G1929	G1930	C1934	G1935	A1936	A1937	U1938	U1939	C1942	U1943	U1951	A1952	A1953	G1954	U1955	G1959	C1962	U1963	G1964	C1965	A1966	C1967	A1970	A1971	A1972	G1973	C1974	C1979	G1984	G1985	A1986				
C1800	G1801	U1805	A1809	G1813	G1814	A1815	G1816	G1817	U1818	A1821	G1822	G1823	G1824	A1825	G1826	G1827	G1828	G1829	C1830	G1831	C1832	U1833	G1834	C1835	C1836	C1837	G1838	G1839	A1847	A1848	A1853	A1854	G1860	G1861	G1862	A1877	G1878	C1880	C1881	C1882	G1883	A1889	A1890	G1899	C1902	G1903	G1904					
C1598	C1599	C1600	G1601	G1602	A1603	G1604	G1605	G1606	G1607	G1613	A1614	G1619	G1622	A1637	G1638	U1639	C1640	C1646	C1647	C1648	G1651	A1652	G1653	A1654	C1655	C1656	C1657	U1658	G1659	C1660	G1661	A1665	A1668	C1670	U1671	C1672	G1673	C1674	C1675	A1676	G1687	U1688	A1689	U1693								
C1694	G1695	G1696	G1697	A1698	G1699	A1700	A1701	G1703	U1709	C1710	C1711	C1712	G1721	A1722	U1735	G1740	C1745A	G1746	G1751	C1752	G1753	G1754	A1755	G1756	U1757	G1758	G1763	G1764	G1769	A1773	C1774	U1775	G1776	U1777	U1778	U1779	C1781	A1784	A1789	C1790	A1791	U1794	C1795	U1796	C1797	U1798	G1799					
U1507	A1508	C1509	A1509A	G1517	U1518	G1519	G1520	G1525	G1526	G1527	C1530	C1531	C1532	G1533	U	A	C1536	G1537	G1538	G1539	G1543	C1546	C1547	C1548	C1549	G1555	C1556	C1557	A1558	C1564	C1565	A1566	A1567	G1568	A1569	A1570	A1571	U1578	A1579	U1580	G1581	C1584	A1586	U1590	G1591	C1592	G1593	G1594	G1595			
G1422	G1423	G1424	G1425	G1426	A1427	G1428	G1429	C1430	U1431	A1434	G1435	G1436	C1437	G1441	G1442	A1445	A1449	G1450	G1453	G1455	C1458	G1459	A1460	G1461	G1464	G1465	G1466	G1467	G1470	A1471	A1472	G1473	G1479	G1482	G1484	G1485	A1486	G1487	G1488	U1489	A1490	C1411	G1416	A1417	G1418	A1419	G1420	U1424				
U1335	A1336	G1337	G1338	G1339	G1344	C1345	U1352	A1353	A1354	G1355	G1356	U1357	G1358	A1359	A1360	G1361	C1362	G1363	G1364	A1365	G1368	G1369	G1370	U1372	A1378	A1379	G1380	A1384	G1385	G1386	C1387	G1388	G1389	U1390	U1396	G1401	C1402	U1405	U1406	C1407	C1408	C1411	G1416	A1417	G1418	A1419	G1420	U1424				
G1250	C1251	A1252	G1253	U1254	U1255	G1256	C1257	G1258	G1259	G1260	C1261	U1263	G1264	A1265	G1266	U1267	A1268	A1269	C1270	G1271	A1272	U1273	G1277	A1278	U1288	C1289	C1290	C1291	U1292	C1297	G1298	G1299	U1300	A1301	U1308	G1309	U1312	U1313	C1314	A1317	A1318	A1321	U1326	C1327	U1329	A1329	C1330	A1332				
G1160	C1161	G1164	U1165	G1169	G1170	G1171	G	A	U	G	A	C1178	G1184	C1185	G1186	G1187	U1188	A1189	G1190	G1191	G1197	U1198	G1203	A1210	U1211	G1212	A1213	A1214	G1215	G1216	A1220	C1221	C1221A	G1223	G1224	G1225	A1226	G1229	G1235	G1236	G1238	G1239	U1240	A1241	A1247	G1248	U1249					



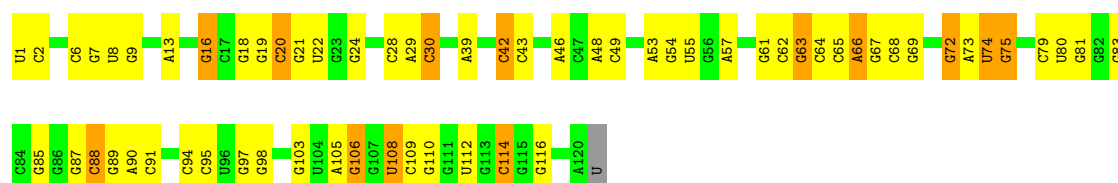
• Molecule 2: 5S Ribosomal RNA

Chain 1B: 55% 35% 9%



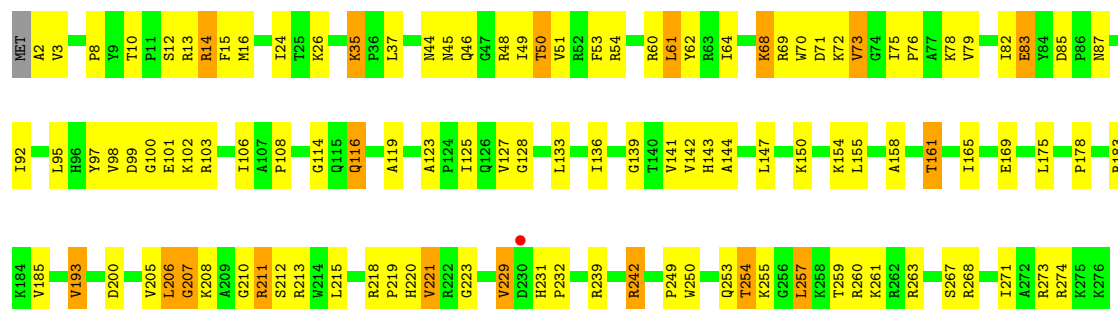
• Molecule 2: 5S Ribosomal RNA

Chain 2B: 47% 41% 11%

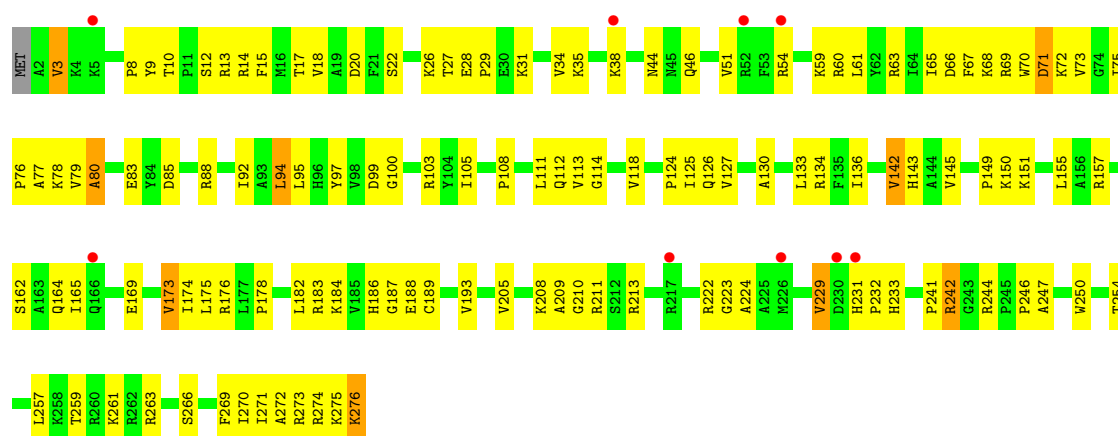


• Molecule 3: 50S ribosomal protein L2

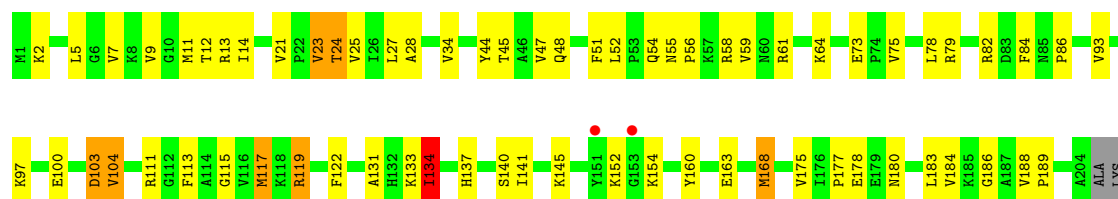
Chain 1D: 59% 34% 7%



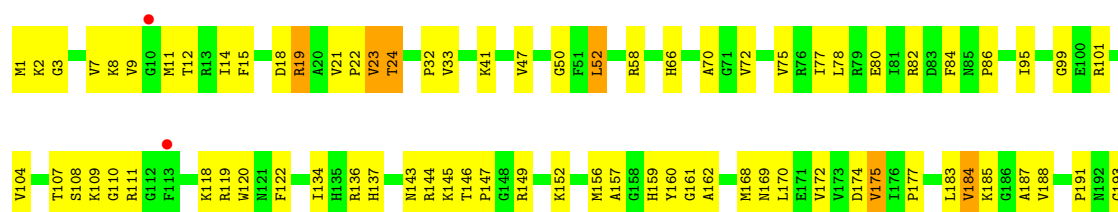
• Molecule 3: 50S ribosomal protein L2



• Molecule 4: 50S ribosomal protein L3

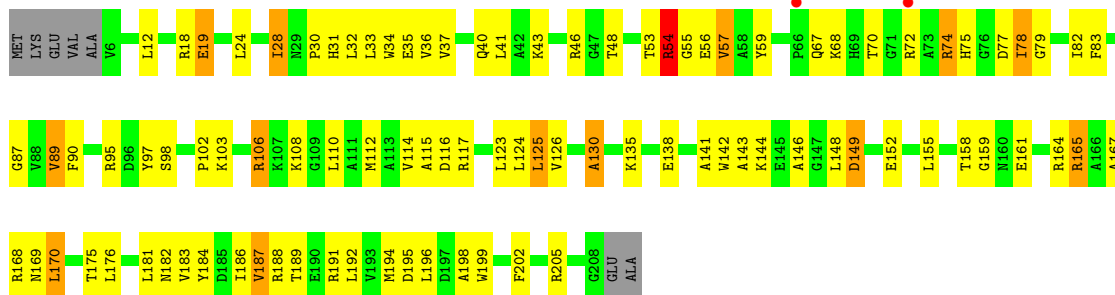


• Molecule 4: 50S ribosomal protein L3

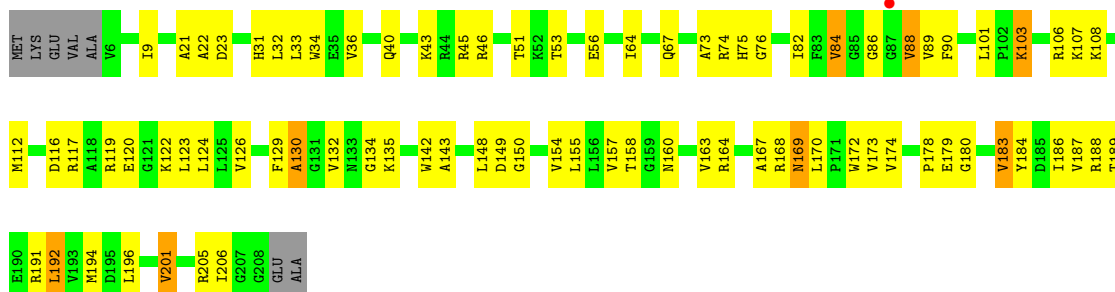




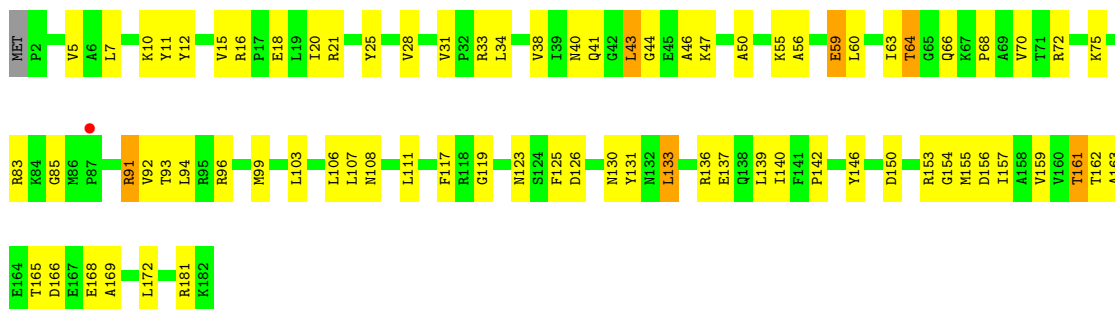
• Molecule 5: 50S ribosomal protein L4



• Molecule 5: 50S ribosomal protein L4

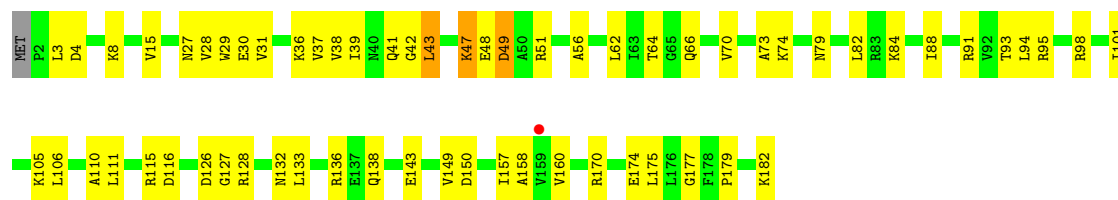


• Molecule 6: 50S ribosomal protein L5

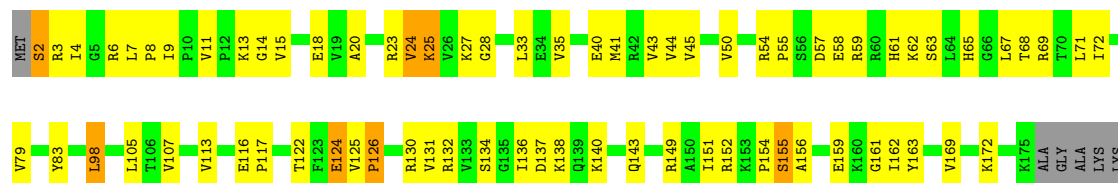


• Molecule 6: 50S ribosomal protein L5

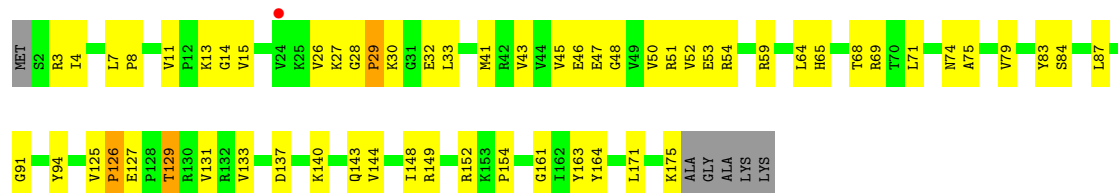




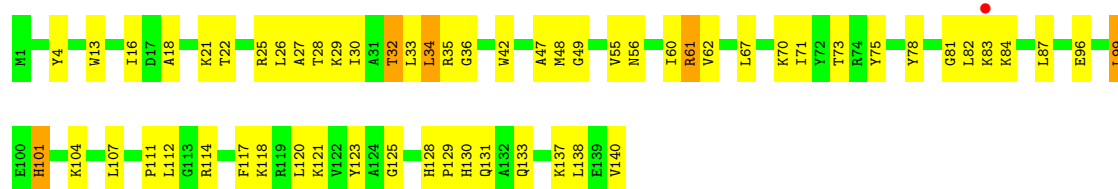
• Molecule 7: 50S ribosomal protein L6



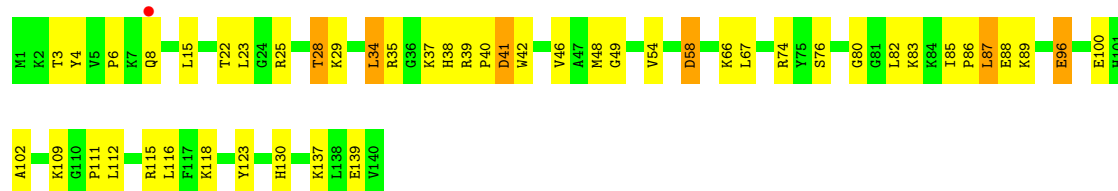
• Molecule 7: 50S ribosomal protein L6



• Molecule 8: 50S ribosomal protein L13

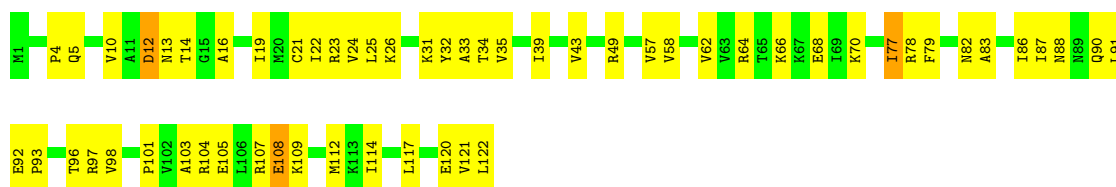


• Molecule 8: 50S ribosomal protein L13



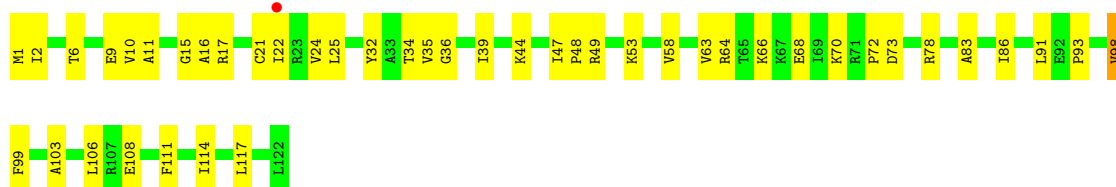
• Molecule 9: 50S ribosomal protein L14

Chain 1O:  53% 44% .



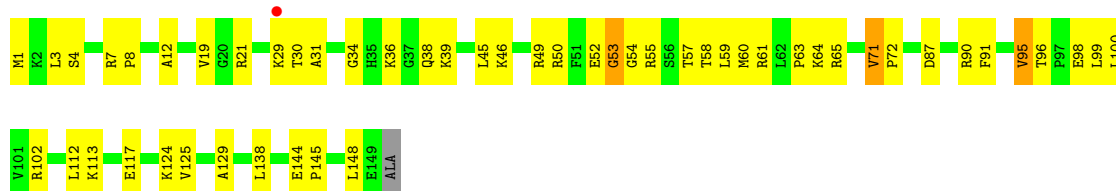
• Molecule 9: 50S ribosomal protein L14

Chain 2O:  64% 35% .



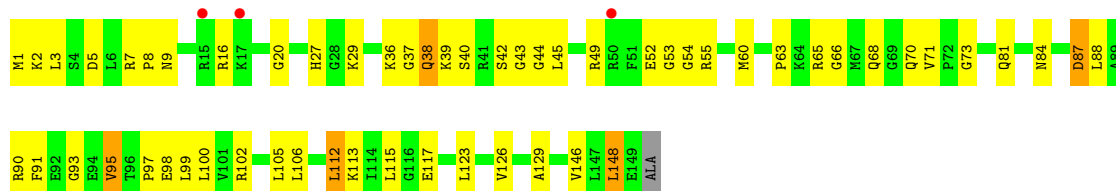
• Molecule 10: 50S ribosomal protein L15

Chain 1P:  65% 33% ..



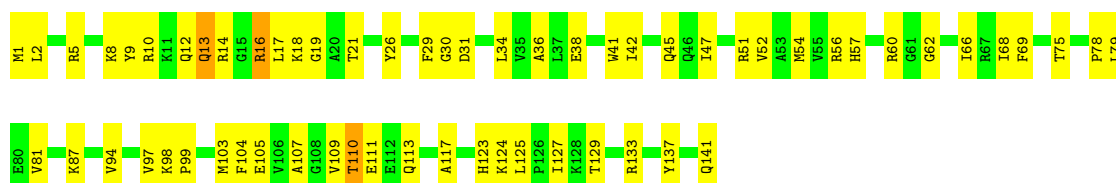
• Molecule 10: 50S ribosomal protein L15

Chain 2P:  61% 35% ..

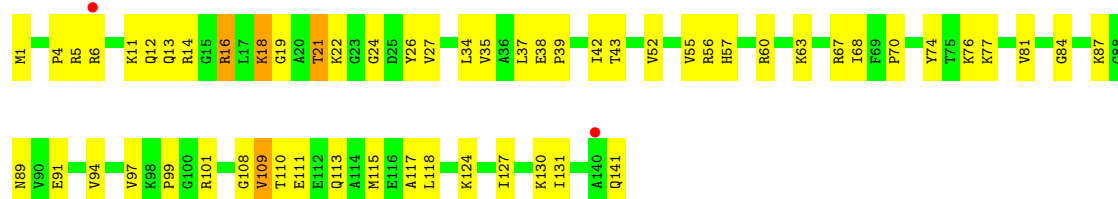


• Molecule 11: 50S ribosomal protein L16

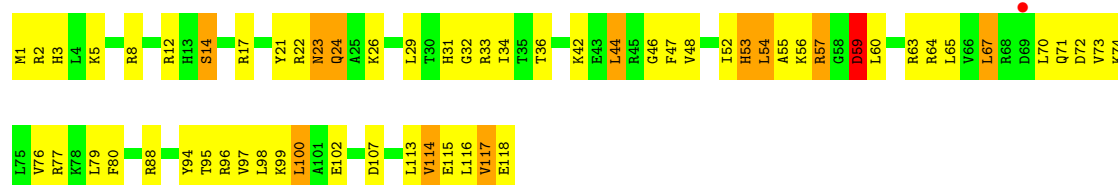
Chain 1Q:  57% 41% .



- Molecule 11: 50S ribosomal protein L16



- Molecule 12: 50S ribosomal protein L17



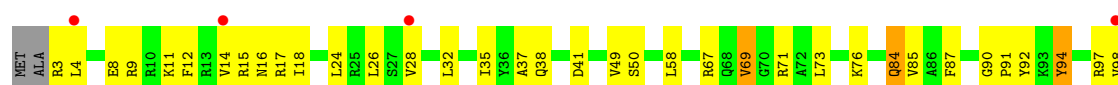
- Molecule 12: 50S ribosomal protein L17



- Molecule 13: 50S ribosomal protein L18

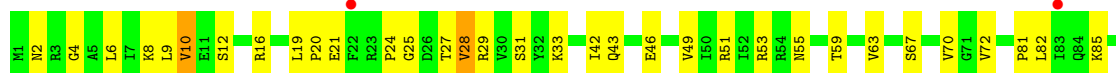


- Molecule 13: 50S ribosomal protein L18





- Molecule 14: 50S ribosomal protein L19



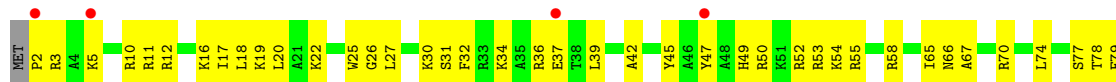
- Molecule 14: 50S ribosomal protein L19



- Molecule 15: 50S ribosomal protein L20

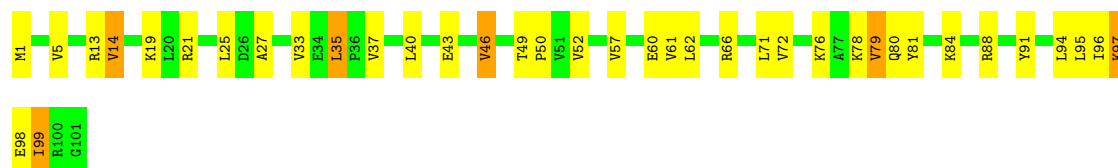


- Molecule 15: 50S ribosomal protein L20

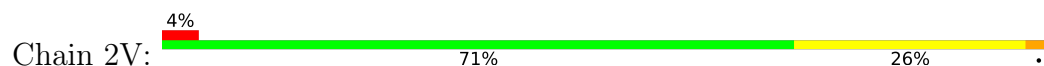


- Molecule 16: 50S ribosomal protein L21

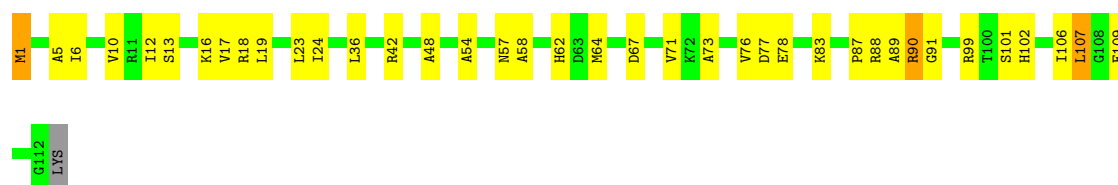




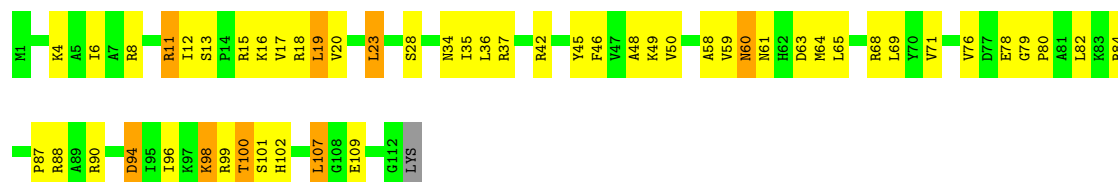
- Molecule 16: 50S ribosomal protein L21



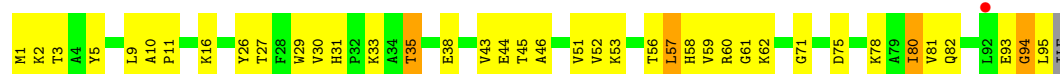
- Molecule 17: 50S ribosomal protein L22



- Molecule 17: 50S ribosomal protein L22



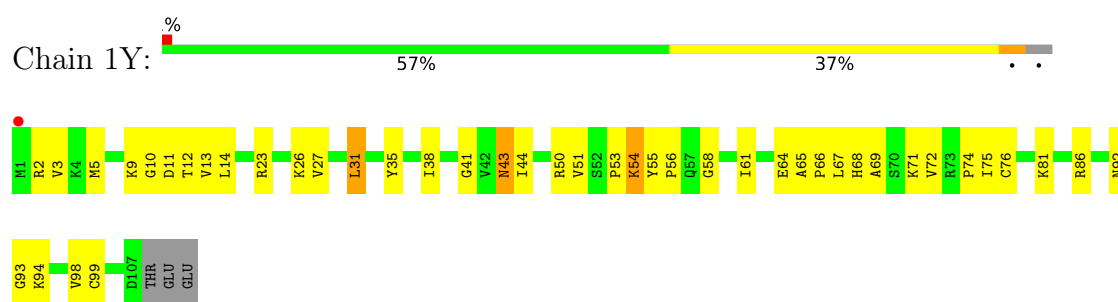
- Molecule 18: 50S ribosomal protein L23



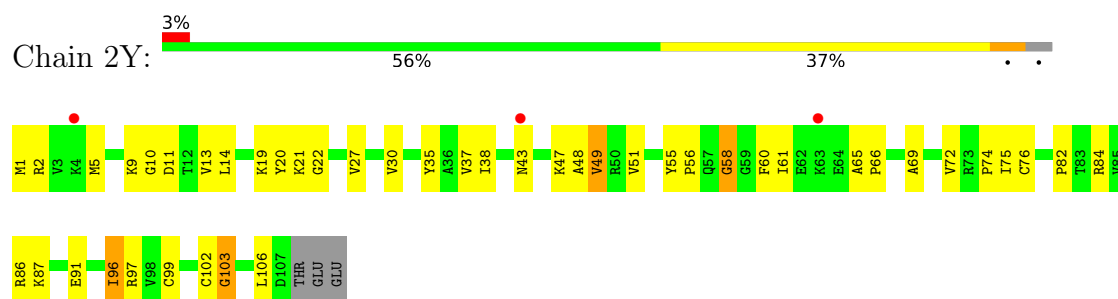
- Molecule 18: 50S ribosomal protein L23



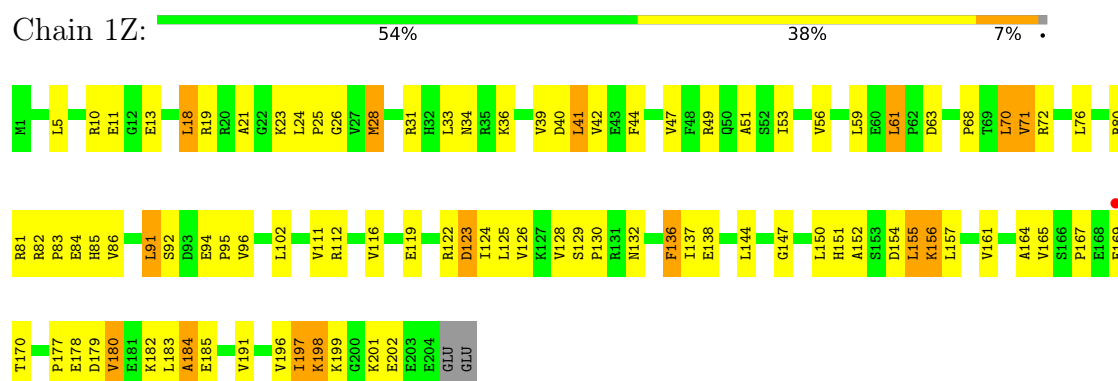
- Molecule 19: 50S ribosomal protein L24



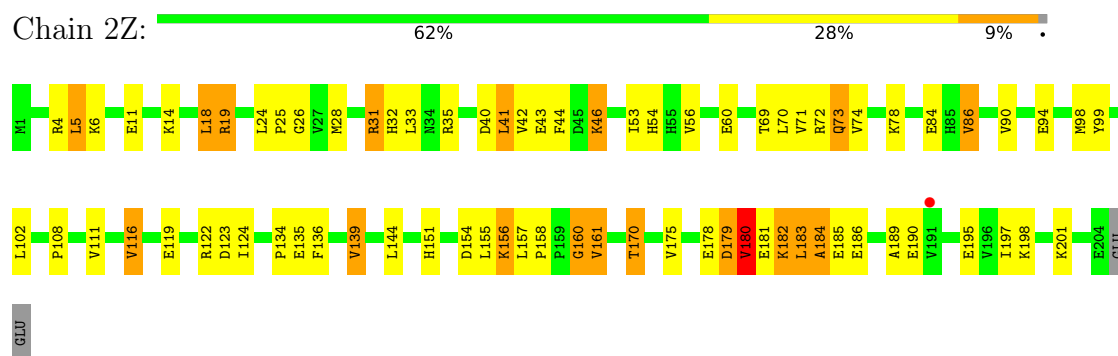
- Molecule 19: 50S ribosomal protein L24



- Molecule 20: 50S ribosomal protein L25

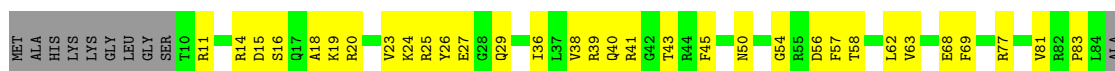


- Molecule 20: 50S ribosomal protein L25

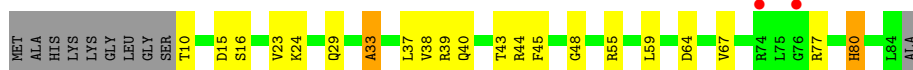


- Molecule 21: 50S ribosomal protein L27

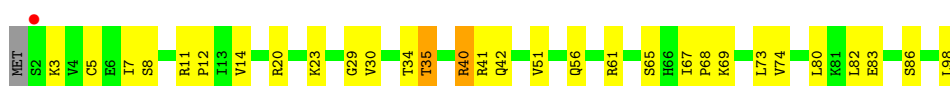




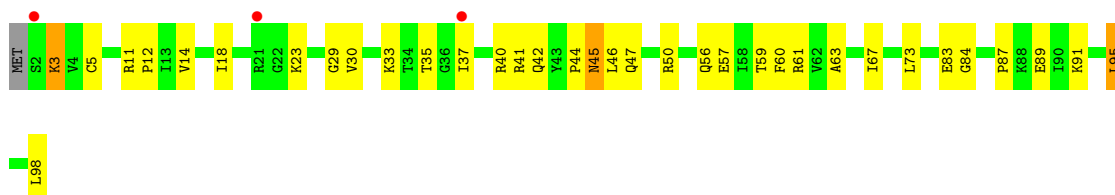
- Molecule 21: 50S ribosomal protein L27



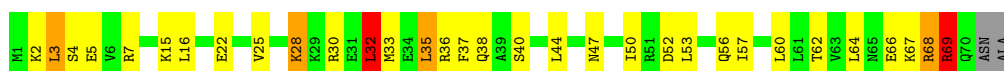
- Molecule 22: 50S ribosomal protein L28



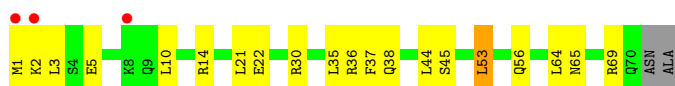
- Molecule 22: 50S ribosomal protein L28



- Molecule 23: 50S ribosomal protein L29



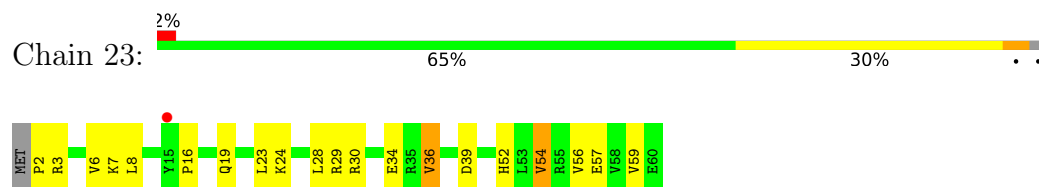
- Molecule 23: 50S ribosomal protein L29



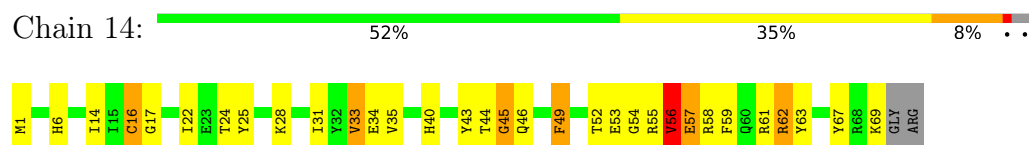
- Molecule 24: 50S ribosomal protein L30



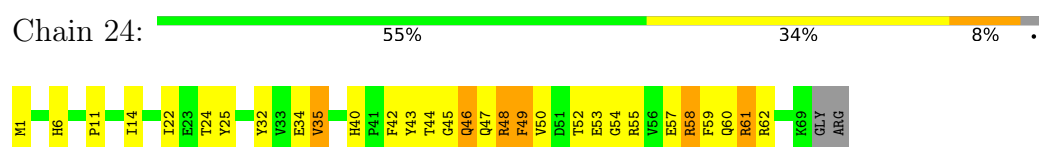
• Molecule 24: 50S ribosomal protein L30



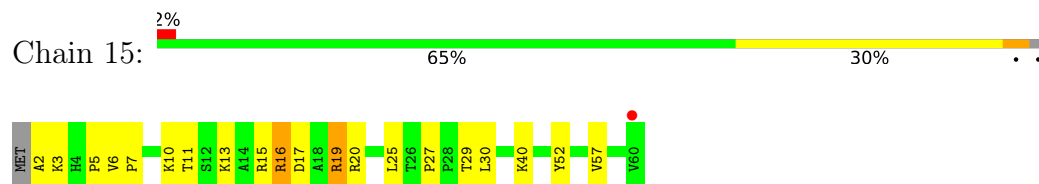
• Molecule 25: 50S ribosomal protein L31



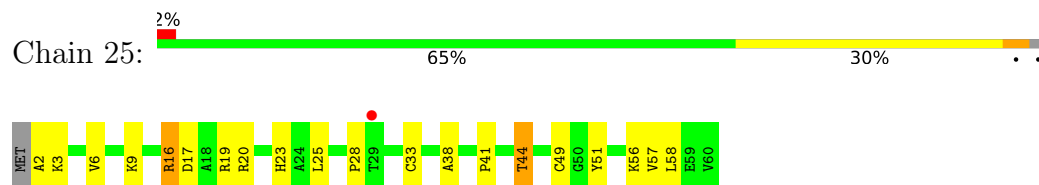
• Molecule 25: 50S ribosomal protein L31



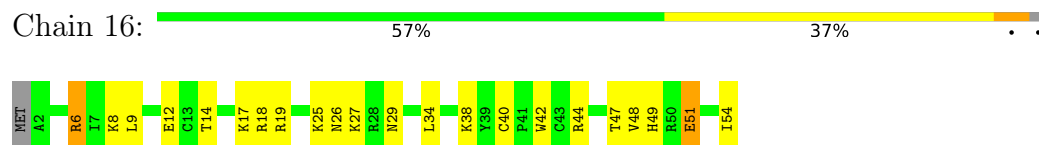
• Molecule 26: 50S ribosomal protein L32



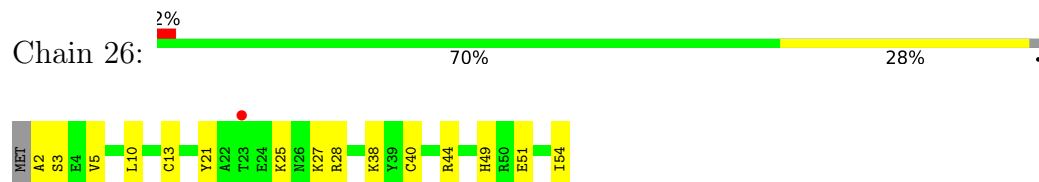
• Molecule 26: 50S ribosomal protein L32



• Molecule 27: 50S ribosomal protein L33



• Molecule 27: 50S ribosomal protein L33



- Molecule 28: 50S ribosomal protein L34

Chain 17:  55% 41% ..



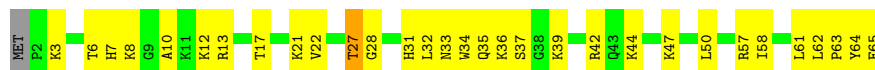
- Molecule 28: 50S ribosomal protein L34

Chain 27:  51% 41% 6% .



- Molecule 29: 50S ribosomal protein L35

Chain 18:  51% 46% ..



- Molecule 29: 50S ribosomal protein L35

Chain 28:  6% 69% 29% .



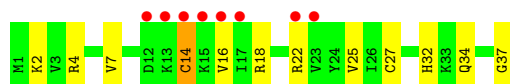
- Molecule 30: 50S ribosomal protein L36

Chain 19:  78% 22%



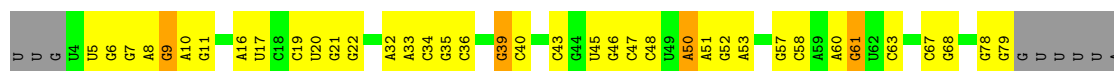
- Molecule 30: 50S ribosomal protein L36

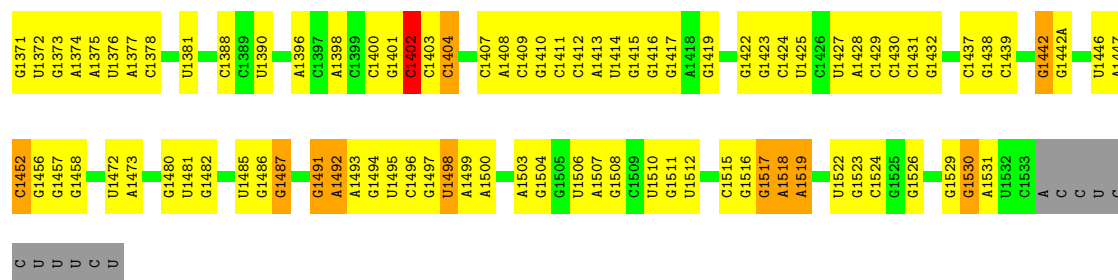
Chain 29:  22% 68% 30% .



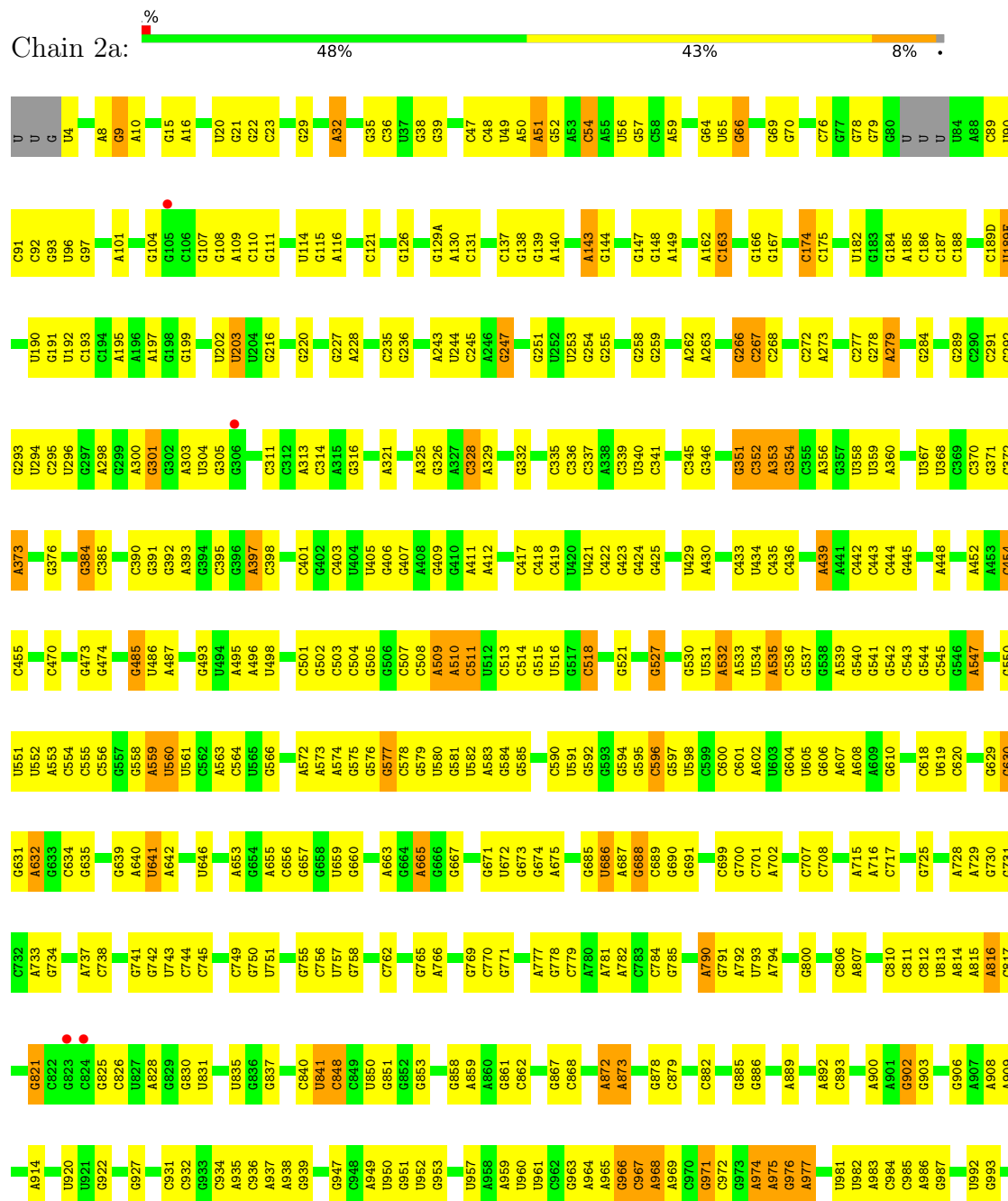
- Molecule 31: 16S Ribosomal RNA

Chain 1a:  48% 43% 7% .

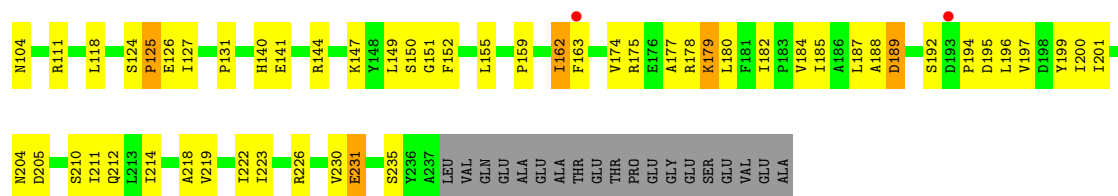




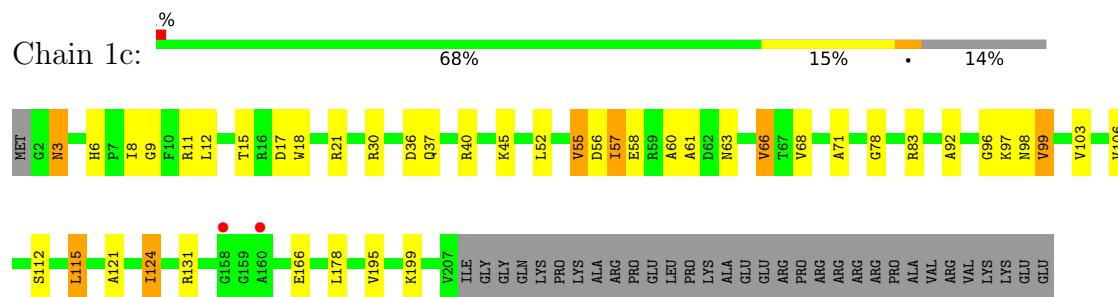
• Molecule 31: 16S Ribosomal RNA



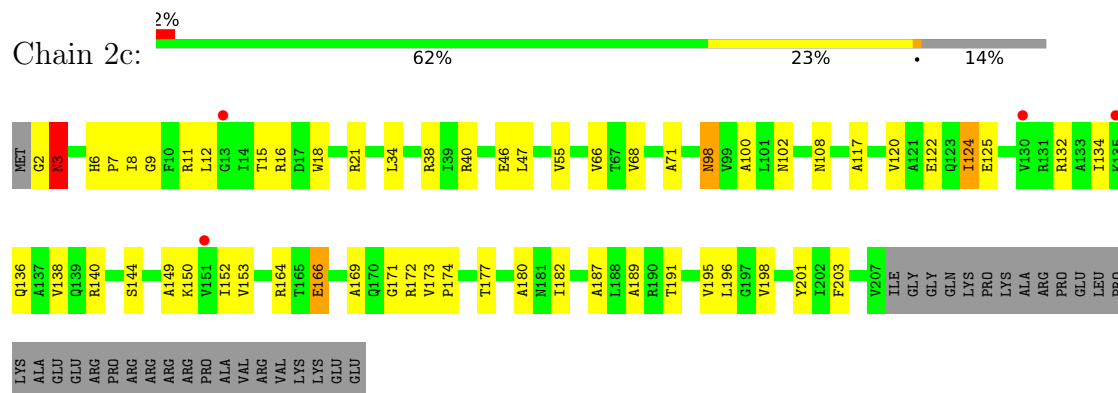




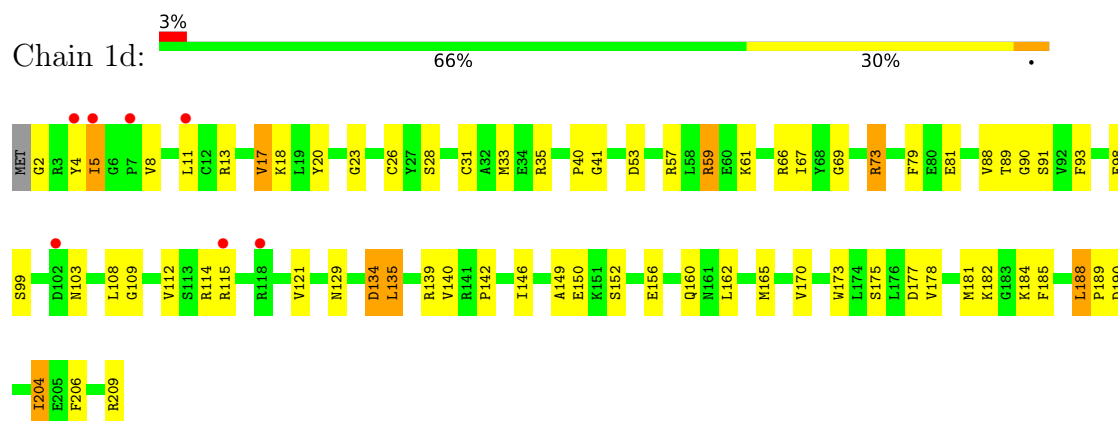
• Molecule 33: 30S ribosomal protein S3



• Molecule 33: 30S ribosomal protein S3

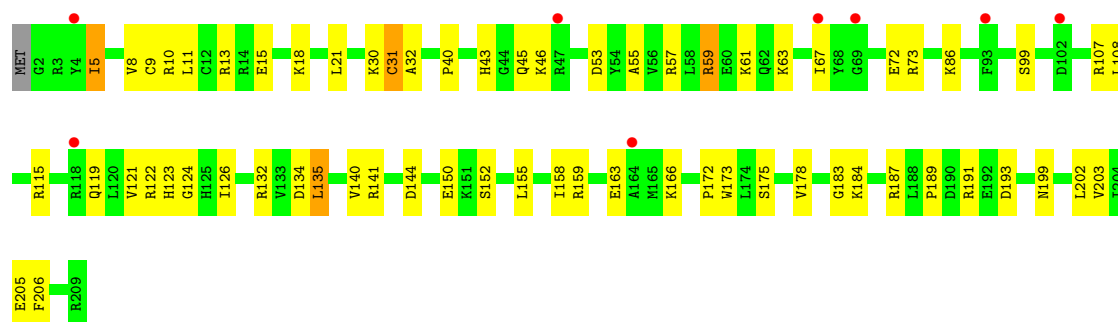


• Molecule 34: 30S ribosomal protein S4



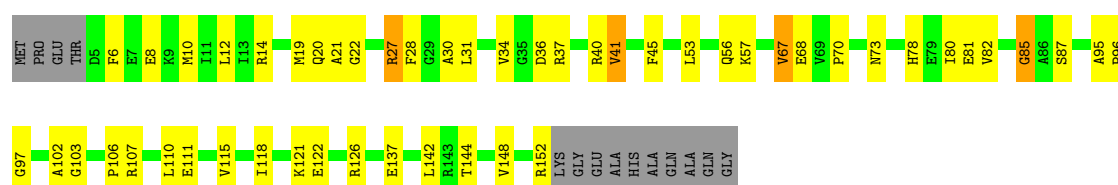
• Molecule 34: 30S ribosomal protein S4





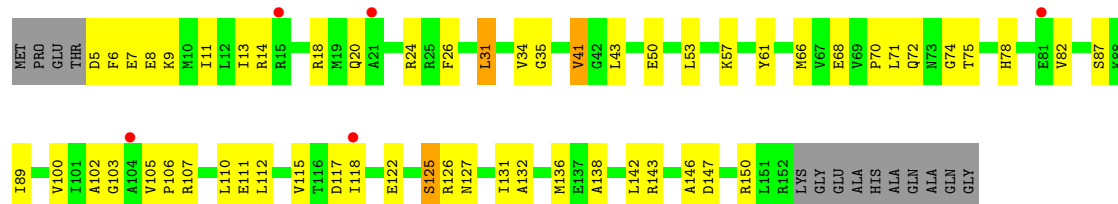
• Molecule 35: 30S ribosomal protein S5

Chain 1e: 60% 29% 9%



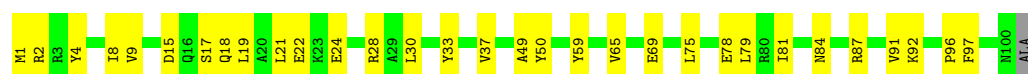
• Molecule 35: 30S ribosomal protein S5

Chain 2e: 3% 56% 33% 9%



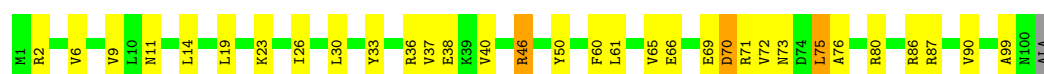
• Molecule 36: 30S ribosomal protein S6

Chain 1f: 68% 31% 1%



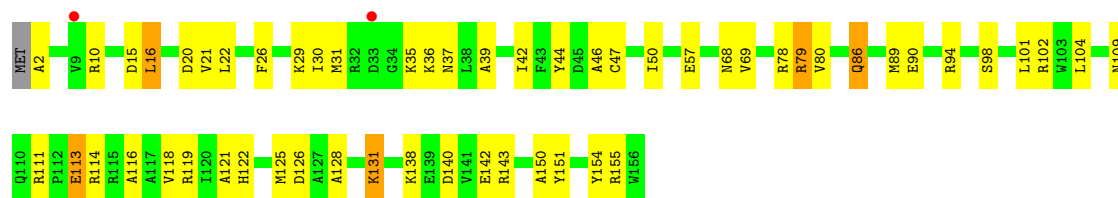
• Molecule 36: 30S ribosomal protein S6

Chain 2f: 67% 29% 4%

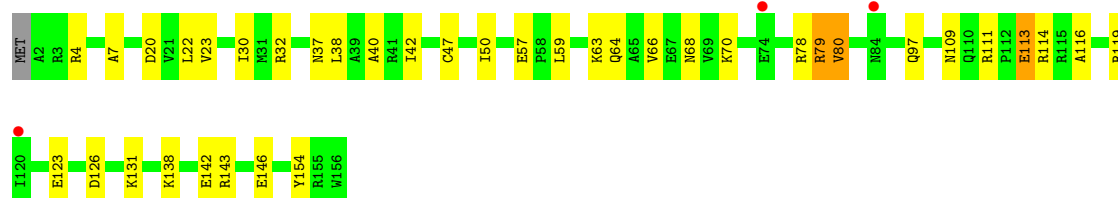
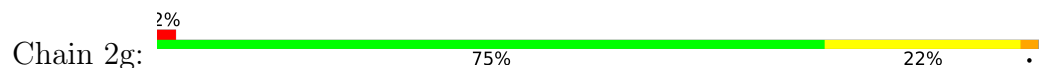


• Molecule 37: 30S ribosomal protein S7

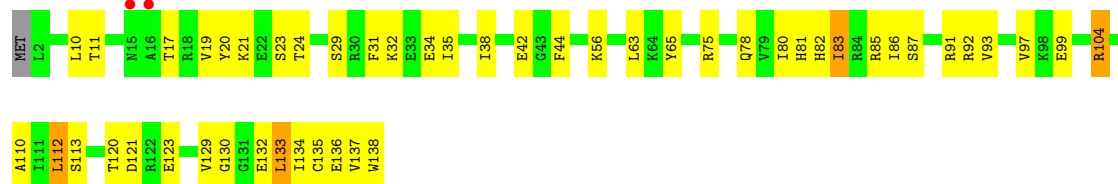
Chain 1g: 64% 32% 4%



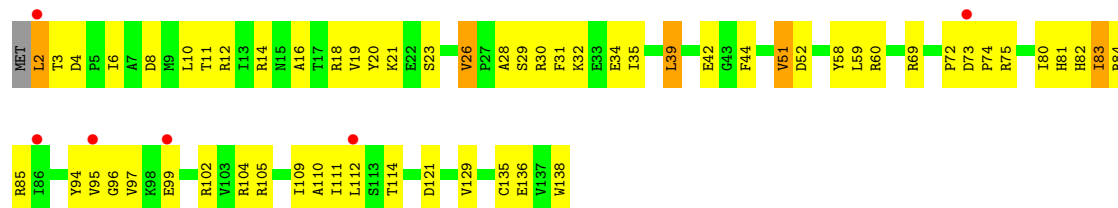
• Molecule 37: 30S ribosomal protein S7



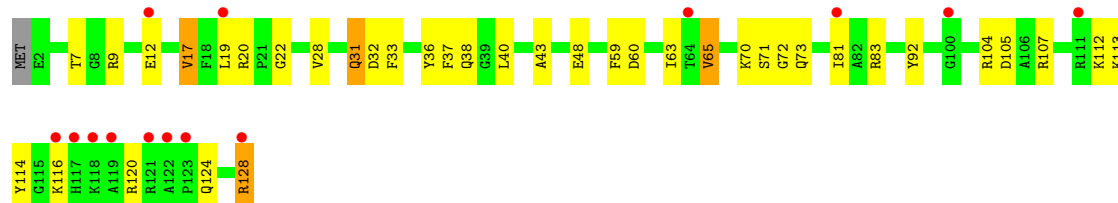
• Molecule 38: 30S ribosomal protein S8



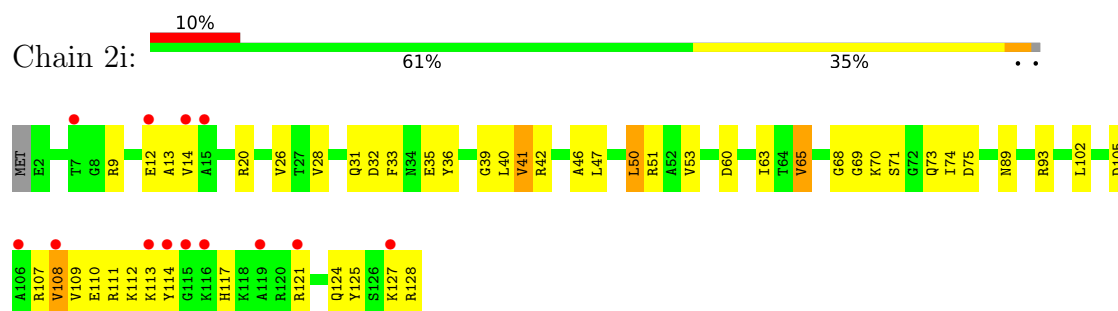
• Molecule 38: 30S ribosomal protein S8



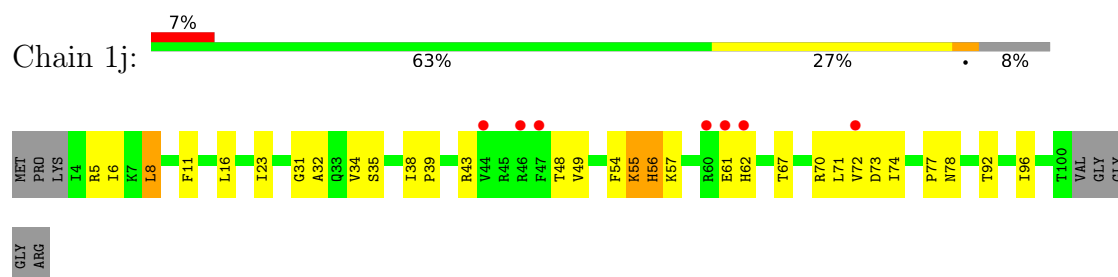
• Molecule 39: 30S ribosomal protein S9



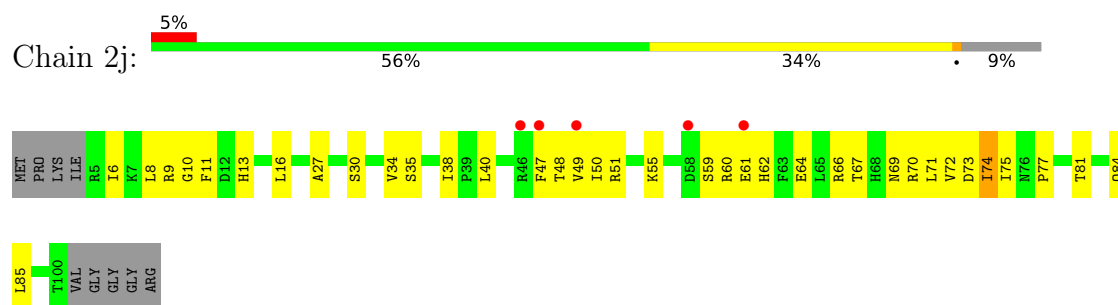
- Molecule 39: 30S ribosomal protein S9



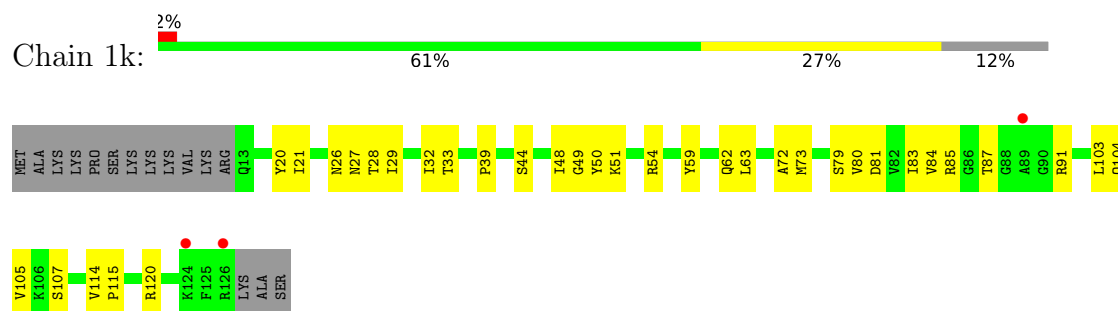
- Molecule 40: 30S ribosomal protein S10



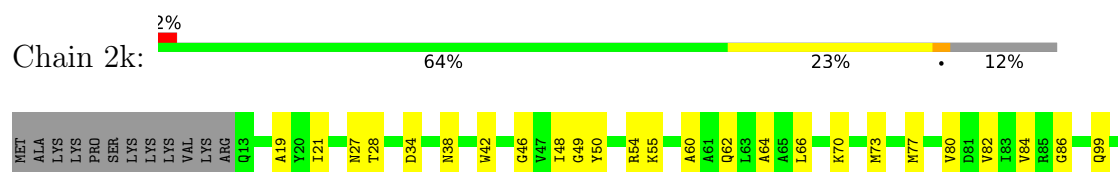
- Molecule 40: 30S ribosomal protein S10



- Molecule 41: 30S ribosomal protein S11



- Molecule 41: 30S ribosomal protein S11

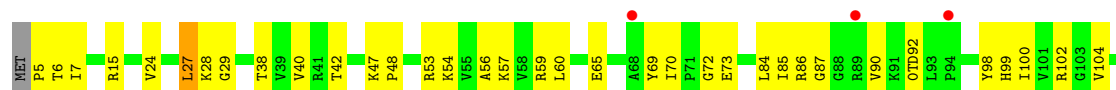




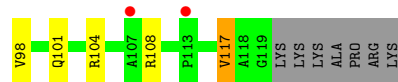
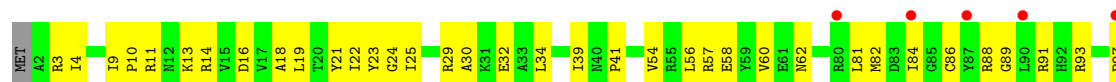
- Molecule 42: 30S ribosomal protein S12



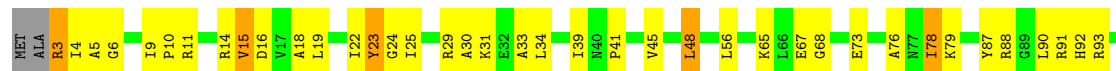
- Molecule 42: 30S ribosomal protein S12



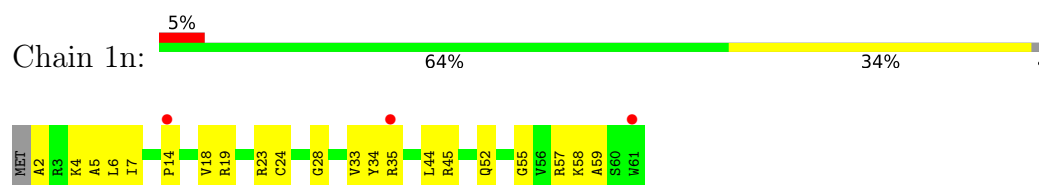
- Molecule 43: 30S ribosomal protein S13



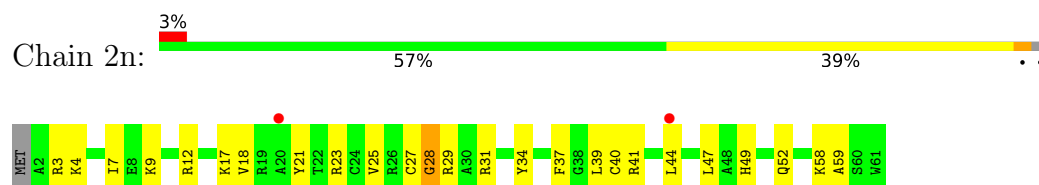
- Molecule 43: 30S ribosomal protein S13



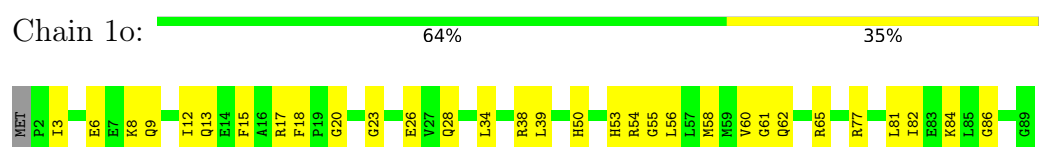
- Molecule 44: 30S ribosomal protein S14 type Z



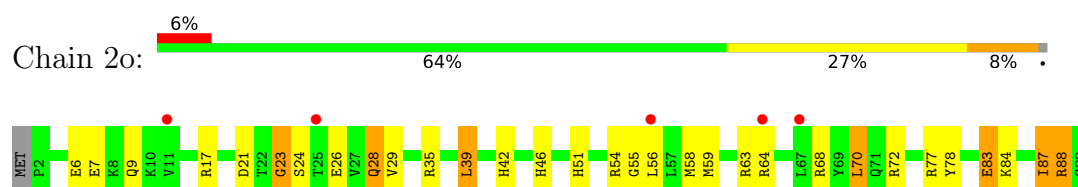
- Molecule 44: 30S ribosomal protein S14 type Z



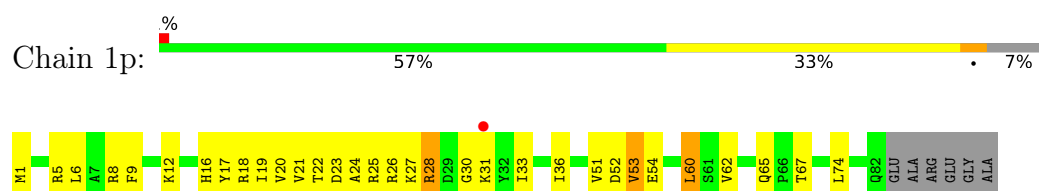
- Molecule 45: 30S ribosomal protein S15



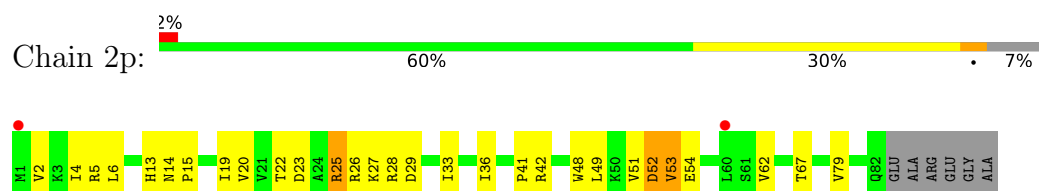
- Molecule 45: 30S ribosomal protein S15



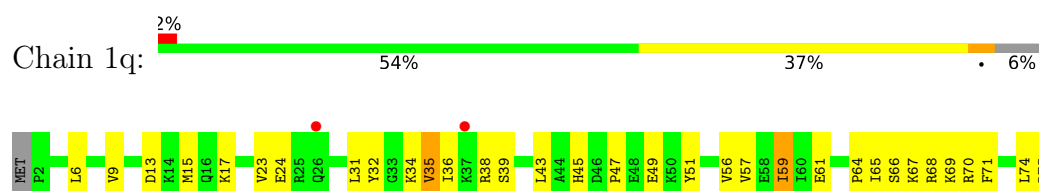
- Molecule 46: 30S ribosomal protein S16



- Molecule 46: 30S ribosomal protein S16

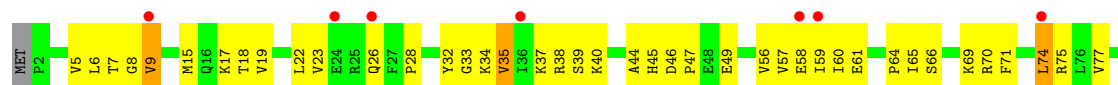


- Molecule 47: 30S ribosomal protein S17





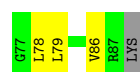
- Molecule 47: 30S ribosomal protein S17



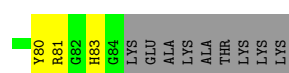
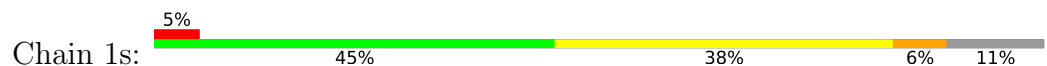
- Molecule 48: 30S ribosomal protein S18



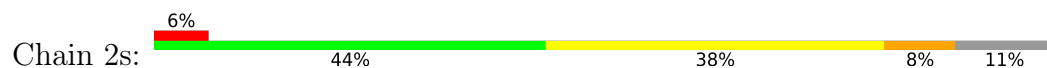
- Molecule 48: 30S ribosomal protein S18

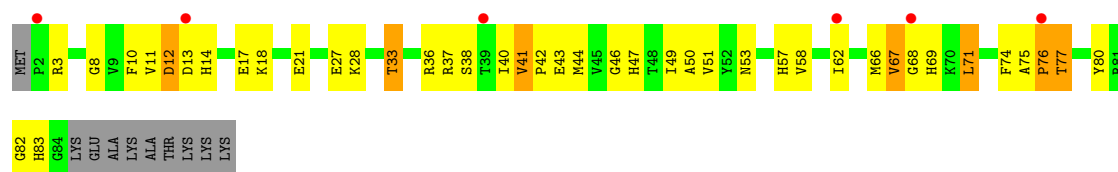


- Molecule 49: 30S ribosomal protein S19

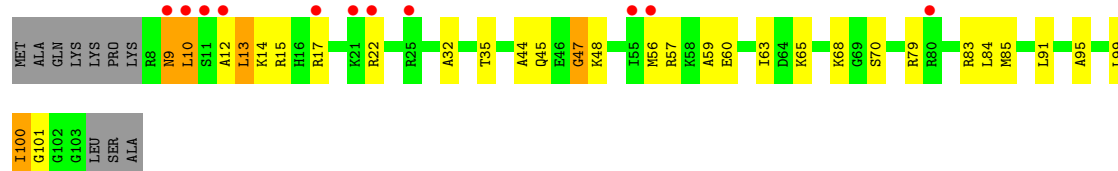


- Molecule 49: 30S ribosomal protein S19

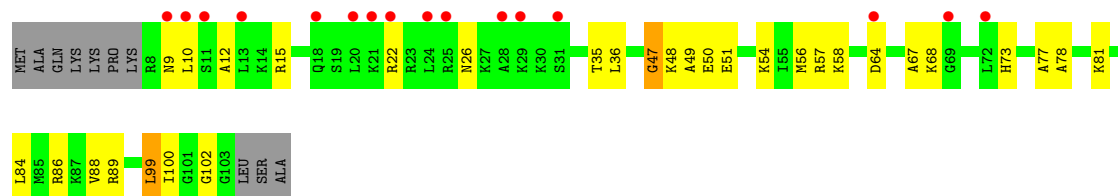




- Molecule 50: 30S ribosomal protein S20



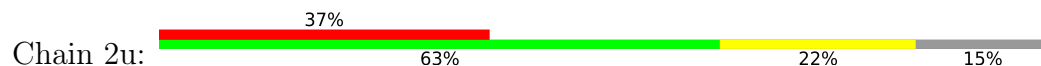
- Molecule 50: 30S ribosomal protein S20



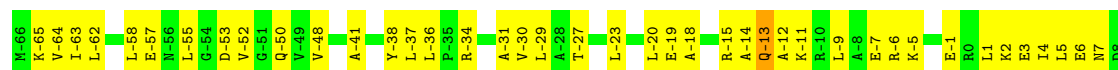
- Molecule 51: 30S ribosomal protein Thx

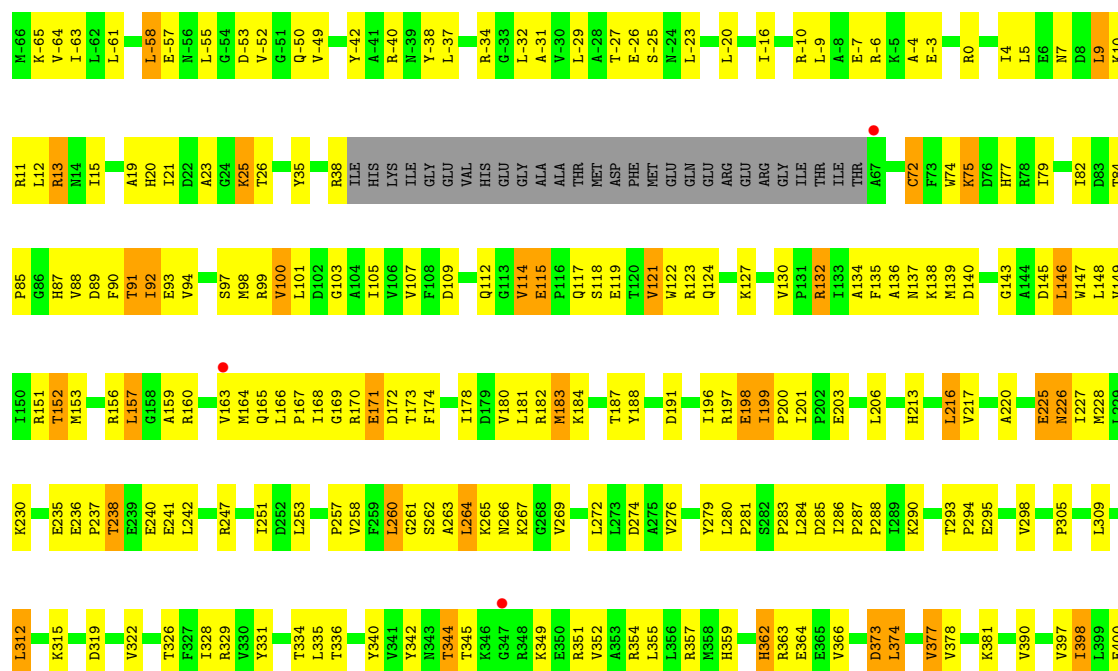


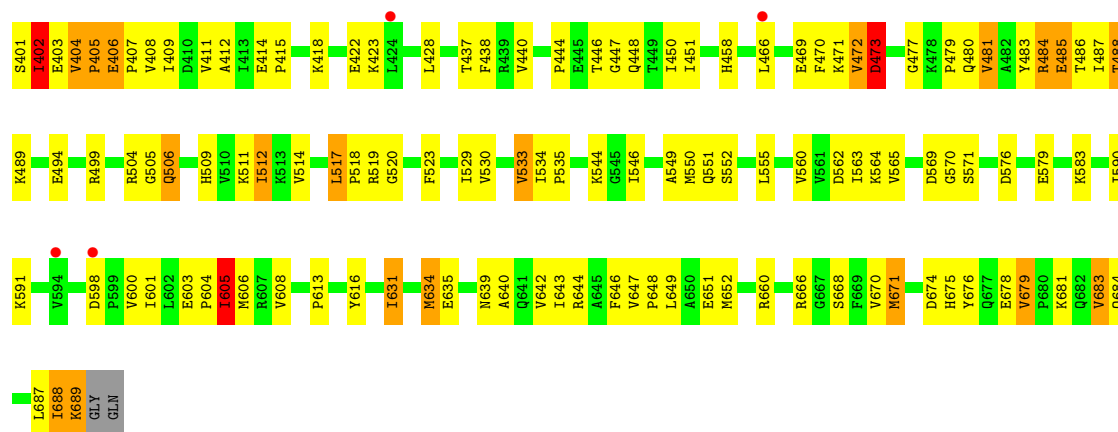
- Molecule 51: 30S ribosomal protein Thx



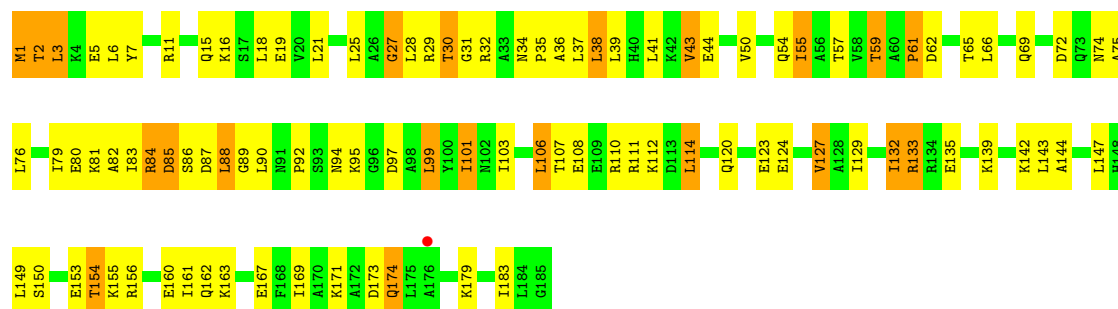
- Molecule 52: 50S ribosomal protein L9,Elongation factor G



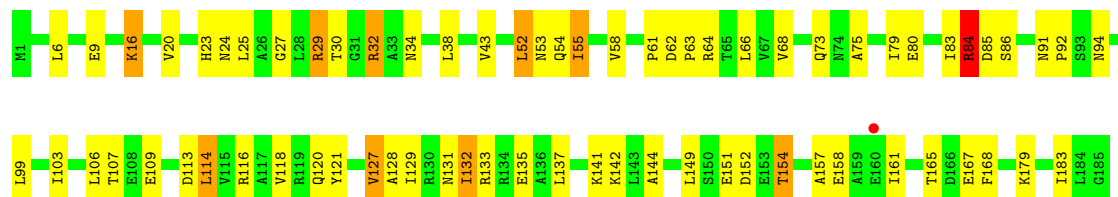




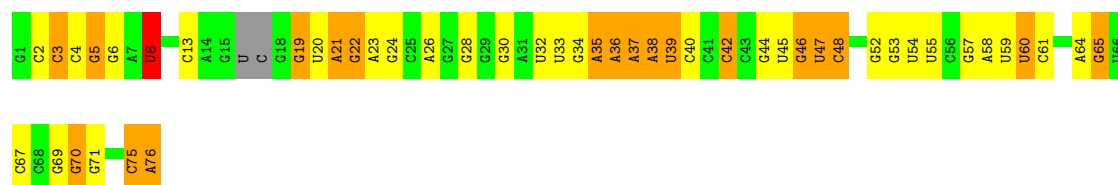
• Molecule 53: Ribosome-recycling factor



• Molecule 53: Ribosome-recycling factor



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



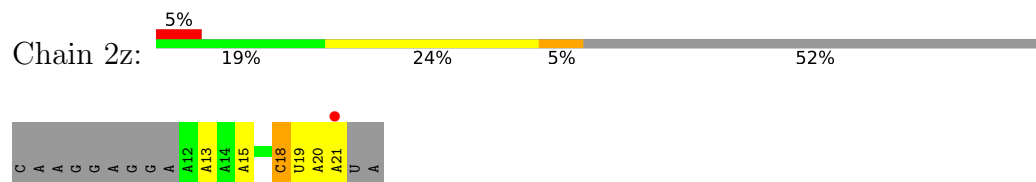
• Molecule 54: P-site and E-site tRNAs

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

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

- Molecule 55: mRNA

- Molecule 55: mRNA



4 Data and refinement statistics

Property	Value	Source
Space group	P 21 21 21	Depositor
Cell constants a, b, c, α , β , γ	209.66Å 448.74Å 623.99Å 90.00° 90.00° 90.00°	Depositor
Resolution (Å)	49.89 – 3.50 49.89 – 3.50	Depositor EDS
% Data completeness (in resolution range)	98.4 (49.89-3.50) 98.4 (49.89-3.50)	Depositor EDS
R_{merge}	0.33	Depositor
R_{sym}	(Not available)	Depositor
$\langle I/\sigma(I) \rangle$ ¹	1.09 (at 3.49Å)	Xtriage
Refinement program	PHENIX 1.13_2998	Depositor
R, R_{free}	0.244 , 0.294 0.245 , 0.294	Depositor DCC
R_{free} test set	36340 reflections (4.94%)	wwPDB-VP
Wilson B-factor (Å ²)	112.7	Xtriage
Anisotropy	0.257	Xtriage
Bulk solvent k_{sol} (e/Å ³), B_{sol} (Å ²)	0.26 , 75.2	EDS
L-test for twinning ²	$\langle L \rangle = 0.36$, $\langle L^2 \rangle = 0.19$	Xtriage
Estimated twinning fraction	No twinning to report.	Xtriage
F_o, F_c correlation	0.93	EDS
Total number of atoms	305259	wwPDB-VP
Average B, all atoms (Å ²)	135.0	wwPDB-VP

Xtriage's analysis on translational NCS is as follows: *The largest off-origin peak in the Patterson function is 1.56% 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: K, 7MG, M2G, MIA, ZN, 2MG, PSU, 2MA, 0TD, 5MU, UR3, 5MC, MG, OMC, MA6, 4OC, GDP, SF4, 4SU, OMG, 2MU

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

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	# $ Z > 5$	RMSZ	# $ Z > 5$
1	1A	0.34	0/69010	0.50	2/107716 (0.0%)
1	2A	0.23	2/67294 (0.0%)	0.38	0/105038
2	1B	0.29	0/2882	0.44	0/4494
2	2B	0.17	0/2879	0.31	0/4487
3	1D	0.34	0/2186	0.56	0/2944
3	2D	0.26	0/2186	0.49	0/2944
4	1E	0.34	0/1592	0.55	0/2149
4	2E	0.22	0/1592	0.45	0/2149
5	1F	0.35	0/1619	0.52	0/2193
5	2F	0.22	0/1615	0.44	0/2188
6	1G	0.26	0/1476	0.44	0/1989
6	2G	0.17	0/1478	0.37	0/1992
7	1H	0.32	0/1356	0.48	0/1834
7	2H	0.19	0/1356	0.35	0/1834
8	1N	0.35	0/1144	0.56	0/1543
8	2N	0.19	0/1144	0.40	0/1543
9	1O	0.31	0/943	0.52	0/1269
9	2O	0.23	0/943	0.43	0/1269
10	1P	0.32	0/1152	0.58	0/1533
10	2P	0.22	0/1152	0.47	0/1533
11	1Q	0.36	0/1143	0.56	0/1527
11	2Q	0.21	0/1143	0.42	0/1527
12	1R	0.34	0/982	0.58	0/1312
12	2R	0.26	0/982	0.48	0/1312
13	1S	0.28	0/883	0.50	0/1176
13	2S	0.18	0/880	0.39	0/1172
14	1T	0.30	0/1105	0.53	0/1477
14	2T	0.22	0/1097	0.43	0/1468
15	1U	0.40	0/977	0.58	0/1301
15	2U	0.20	0/977	0.38	0/1301
16	1V	0.35	0/782	0.57	0/1049

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	# Z >5	RMSZ	# Z >5
16	2V	0.22	0/782	0.41	0/1049
17	1W	0.41	0/897	0.59	0/1205
17	2W	0.25	0/897	0.46	0/1205
18	1X	0.40	0/764	0.56	0/1025
18	2X	0.26	0/764	0.43	0/1025
19	1Y	0.36	0/819	0.57	0/1095
19	2Y	0.20	0/819	0.40	0/1095
20	1Z	0.32	0/1615	0.56	0/2197
20	2Z	0.20	0/1615	0.44	2/2197 (0.1%)
21	10	0.35	0/606	0.56	0/808
21	20	0.22	0/606	0.42	0/808
22	11	0.31	0/762	0.47	0/1014
22	21	0.36	1/762 (0.1%)	0.44	0/1014
23	12	0.35	0/590	0.55	0/781
23	22	0.20	0/590	0.36	0/781
24	13	0.38	0/474	0.57	0/635
24	23	0.38	0/469	0.57	0/630
25	14	0.23	0/565	0.54	0/761
25	24	0.20	0/545	0.44	0/737
26	15	0.71	1/469 (0.2%)	0.79	1/635 (0.2%)
26	25	0.26	0/469	0.48	0/635
27	16	0.35	0/460	0.54	0/613
27	26	0.21	0/456	0.41	0/608
28	17	0.43	0/426	0.62	0/561
28	27	0.31	0/426	0.60	0/561
29	18	0.41	0/525	0.59	0/691
29	28	0.26	0/525	0.42	0/691
30	19	0.32	0/310	0.53	0/407
30	29	0.22	0/310	0.46	0/407
31	1a	0.19	0/35769	0.33	3/55821 (0.0%)
31	2a	0.18	0/35886	0.32	0/56005
32	1b	0.20	0/1881	0.47	1/2542 (0.0%)
32	2b	0.17	0/1860	0.39	0/2518
33	1c	0.14	0/1572	0.32	0/2126
33	2c	0.16	0/1566	0.34	0/2119
34	1d	0.19	0/1685	0.41	0/2262
34	2d	0.18	0/1704	0.38	0/2284
35	1e	0.23	0/1145	0.43	0/1543
35	2e	0.21	0/1149	0.44	0/1548
36	1f	0.18	0/823	0.36	0/1115
36	2f	0.19	0/829	0.37	0/1123
37	1g	0.16	0/1250	0.36	0/1679
37	2g	0.16	0/1254	0.36	0/1683

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	# Z >5	RMSZ	# Z >5
38	1h	0.19	0/1108	0.38	0/1494
38	2h	0.22	0/1108	0.43	0/1494
39	1i	0.19	0/1002	0.41	0/1346
39	2i	0.16	0/997	0.37	0/1343
40	1j	0.14	0/722	0.37	0/982
40	2j	0.14	0/727	0.36	0/988
41	1k	0.22	0/844	0.43	0/1145
41	2k	0.17	0/848	0.34	0/1149
42	1l	0.20	0/937	0.39	0/1260
42	2l	0.24	0/937	0.48	0/1260
43	1m	0.17	0/929	0.38	0/1250
43	2m	0.15	0/961	0.38	0/1291
44	1n	0.15	0/501	0.36	0/664
44	2n	0.17	0/501	0.41	0/664
45	1o	0.20	0/739	0.41	0/985
45	2o	0.17	0/739	0.35	0/985
46	1p	0.20	0/697	0.39	0/939
46	2p	0.21	0/693	0.40	0/935
47	1q	0.26	0/836	0.49	0/1117
47	2q	0.18	0/836	0.34	0/1117
48	1r	0.21	0/560	0.40	0/746
48	2r	0.18	0/560	0.36	0/746
49	1s	0.21	0/667	0.44	0/900
49	2s	0.17	0/661	0.44	0/893
50	1t	0.23	0/730	0.44	0/965
50	2t	0.21	0/729	0.42	0/965
51	1u	0.21	0/203	0.43	0/266
51	2u	0.16	0/203	0.39	0/266
52	1v	0.28	1/5765 (0.0%)	0.51	4/7809 (0.1%)
52	2v	0.23	1/5765 (0.0%)	0.43	1/7809 (0.0%)
53	1w	0.27	0/1497	0.48	0/2017
53	2w	0.24	0/1497	0.42	0/2017
54	1x	0.23	0/1602	0.37	0/2493
54	1y	0.23	0/1602	0.38	0/2493
54	2x	0.21	0/1602	0.32	0/2493
54	2y	0.22	1/1602 (0.1%)	0.36	0/2493
55	1z	0.19	0/237	0.31	0/366
55	2z	0.16	0/237	0.26	0/366
All	All	0.26	7/326021 (0.0%)	0.42	14/486013 (0.0%)

The worst 5 of 7 bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
52	1v	199	ILE	C-N	13.27	1.49	1.33
26	15	27	PRO	CA-C	12.62	1.58	1.51
52	2v	287	PRO	CA-C	-8.79	1.47	1.51
1	2A	2426	A	O3'-P	-8.45	1.48	1.61
22	21	67	ILE	CA-CB	7.23	1.57	1.54

The worst 5 of 14 bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
52	1v	199	ILE	CA-C-N	13.96	133.85	120.03
52	1v	199	ILE	C-N-CA	13.96	133.85	120.03
26	15	27	PRO	O-C-N	9.99	125.91	121.31
52	2v	287	PRO	O-C-N	-7.06	118.06	121.31
31	1a	1020	U	C2'-C3'-O3'	-6.30	104.25	113.70

There are no chirality outliers.

There are no planarity outliers.

5.2 Too-close contacts ⓘ

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

Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
1	1A	61852	0	31185	1219	0
1	2A	60322	0	30409	1049	0
2	1B	2577	0	1305	40	0
2	2B	2575	0	1303	41	0
3	1D	2136	0	2217	98	0
3	2D	2136	0	2218	98	0
4	1E	1559	0	1616	53	0
4	2E	1559	0	1618	57	0
5	1F	1584	0	1625	79	0
5	2F	1580	0	1619	74	0
6	1G	1451	0	1496	64	0
6	2G	1453	0	1496	44	0
7	1H	1330	0	1407	46	0
7	2H	1330	0	1407	36	0
8	1N	1117	0	1183	39	0
8	2N	1117	0	1184	33	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
9	1O	933	0	996	50	0
9	2O	933	0	996	33	0
10	1P	1135	0	1212	56	0
10	2P	1135	0	1212	48	0
11	1Q	1122	0	1179	60	0
11	2Q	1122	0	1179	51	0
12	1R	968	0	1033	43	0
12	2R	968	0	1033	49	0
13	1S	873	0	927	25	0
13	2S	870	0	923	28	0
14	1T	1091	0	1151	38	0
14	2T	1083	0	1136	40	0
15	1U	959	0	1019	32	0
15	2U	959	0	1019	47	0
16	1V	771	0	830	24	0
16	2V	771	0	830	22	0
17	1W	886	0	940	32	0
17	2W	886	0	940	39	0
18	1X	750	0	814	38	0
18	2X	750	0	814	23	0
19	1Y	806	0	881	27	0
19	2Y	806	0	881	33	0
20	1Z	1582	0	1571	72	0
20	2Z	1582	0	1571	52	0
21	10	598	0	612	30	0
21	20	598	0	614	18	0
22	11	755	0	825	21	0
22	21	755	0	826	28	0
23	12	588	0	643	27	0
23	22	588	0	643	16	0
24	13	469	0	518	16	0
24	23	464	0	514	19	0
25	14	552	0	533	28	0
25	24	532	0	503	20	0
26	15	455	0	465	18	0
26	25	455	0	465	17	0
27	16	453	0	473	22	0
27	26	449	0	469	10	0
28	17	418	0	467	21	0
28	27	418	0	467	18	0
29	18	517	0	582	37	0
29	28	517	0	582	16	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
30	19	307	0	335	5	0
30	29	307	0	335	10	0
31	1a	32224	0	16272	580	0
31	2a	32327	0	16325	568	0
32	1b	1846	0	1867	73	0
32	2b	1825	0	1828	65	0
33	1c	1548	0	1535	29	0
33	2c	1542	0	1516	40	0
34	1d	1655	0	1671	48	0
34	2d	1674	0	1714	45	0
35	1e	1129	0	1184	41	0
35	2e	1133	0	1191	39	0
36	1f	810	0	804	26	0
36	2f	816	0	808	23	0
37	1g	1231	0	1238	37	0
37	2g	1235	0	1249	26	0
38	1h	1088	0	1126	41	0
38	2h	1088	0	1125	43	0
39	1i	983	0	986	30	0
39	2i	978	0	965	39	0
40	1j	709	0	650	22	0
40	2j	714	0	672	30	0
41	1k	829	0	825	23	0
41	2k	833	0	836	24	0
42	1l	932	0	981	34	0
42	2l	932	0	981	36	0
43	1m	919	0	951	32	0
43	2m	950	0	988	39	0
44	1n	492	0	528	21	0
44	2n	492	0	529	24	0
45	1o	728	0	760	19	0
45	2o	728	0	760	20	0
46	1p	681	0	697	19	0
46	2p	677	0	686	21	0
47	1q	823	0	891	33	0
47	2q	823	0	891	32	0
48	1r	555	0	618	22	0
48	2r	555	0	618	16	0
49	1s	652	0	662	46	0
49	2s	646	0	644	37	0
50	1t	728	0	798	23	0
50	2t	727	0	796	20	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
51	1u	199	0	208	7	0
51	2u	199	0	208	6	0
52	1v	5664	0	5748	215	0
52	2v	5664	0	5749	216	0
53	1w	1478	0	1526	72	0
53	2w	1478	0	1526	50	0
54	1x	1581	0	804	33	0
54	1y	1581	0	805	44	0
54	2x	1581	0	804	27	0
54	2y	1581	0	804	23	0
55	1z	212	0	108	8	0
55	2z	212	0	108	1	0
56	10	4	0	0	0	0
56	11	1	0	0	0	0
56	12	1	0	0	0	0
56	13	1	0	0	0	0
56	15	2	0	0	0	0
56	16	1	0	0	0	0
56	17	3	0	0	0	0
56	18	3	0	0	0	0
56	19	1	0	0	0	0
56	1A	1063	0	0	0	0
56	1B	26	0	0	0	0
56	1D	8	0	0	0	0
56	1E	8	0	0	0	0
56	1F	1	0	0	0	0
56	1H	2	0	0	0	0
56	1N	1	0	0	0	0
56	1O	5	0	0	0	0
56	1P	5	0	0	0	0
56	1Q	3	0	0	0	0
56	1R	3	0	0	0	0
56	1S	2	0	0	0	0
56	1T	5	0	0	0	0
56	1U	3	0	0	0	0
56	1V	1	0	0	0	0
56	1W	2	0	0	0	0
56	1Y	1	0	0	0	0
56	1Z	5	0	0	0	0
56	1a	319	0	0	0	0
56	1b	9	0	0	1	0
56	1d	4	0	0	0	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
56	1e	2	0	0	0	0
56	1g	2	0	0	0	0
56	1i	1	0	0	0	0
56	1l	1	0	0	0	0
56	1m	2	0	0	0	0
56	1n	2	0	0	0	0
56	1o	1	0	0	0	0
56	1p	1	0	0	0	0
56	1q	1	0	0	0	0
56	1s	3	0	0	0	0
56	1t	1	0	0	0	0
56	1u	1	0	0	0	0
56	1v	3	0	0	0	0
56	1x	2	0	0	0	0
56	1y	6	0	0	0	0
56	1z	1	0	0	0	0
56	20	6	0	0	0	0
56	21	1	0	0	0	0
56	23	3	0	0	0	0
56	24	1	0	0	0	0
56	25	1	0	0	0	0
56	26	2	0	0	0	0
56	27	3	0	0	0	0
56	28	6	0	0	0	0
56	29	2	0	0	0	0
56	2A	852	0	0	1	0
56	2B	32	0	0	0	0
56	2D	6	0	0	0	0
56	2E	5	0	0	0	0
56	2F	4	0	0	0	0
56	2N	2	0	0	0	0
56	2O	1	0	0	0	0
56	2P	3	0	0	0	0
56	2Q	6	0	0	0	0
56	2S	1	0	0	0	0
56	2T	2	0	0	0	0
56	2V	1	0	0	0	0
56	2X	1	0	0	0	0
56	2Y	2	0	0	0	0
56	2Z	4	0	0	0	0
56	2a	321	0	0	0	0
56	2b	3	0	0	0	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
56	2c	1	0	0	0	0
56	2d	3	0	0	0	0
56	2e	2	0	0	0	0
56	2f	4	0	0	0	0
56	2g	6	0	0	0	0
56	2h	5	0	0	0	0
56	2i	4	0	0	0	0
56	2k	2	0	0	0	0
56	2l	6	0	0	0	0
56	2m	3	0	0	0	0
56	2o	1	0	0	0	0
56	2p	3	0	0	0	0
56	2q	4	0	0	0	0
56	2r	2	0	0	0	0
56	2s	3	0	0	0	0
56	2t	1	0	0	0	0
56	2u	3	0	0	0	0
56	2v	3	0	0	0	0
56	2w	2	0	0	0	0
56	2x	8	0	0	0	0
56	2y	10	0	0	0	0
56	2z	3	0	0	0	0
57	14	1	0	0	0	0
57	15	1	0	0	0	0
57	16	1	0	0	0	0
57	19	1	0	0	0	0
57	1Y	1	0	0	0	0
57	1n	1	0	0	0	0
57	24	1	0	0	0	0
57	25	1	0	0	0	0
57	26	1	0	0	0	0
57	29	1	0	0	0	0
57	2Y	1	0	0	0	0
57	2n	1	0	0	0	0
58	1d	8	0	0	2	0
58	2d	8	0	0	1	0
59	1v	28	0	12	3	0
59	2v	28	0	12	2	0
60	2A	1	0	0	0	0
All	All	305259	0	207834	6490	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 13.

The worst 5 of 6490 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)
12:2R:101:ALA:HB2	26:25:44:THR:CG2	1.60	1.29
12:2R:101:ALA:HB2	26:25:44:THR:HG23	1.31	1.11
6:1G:161:THR:HG23	6:1G:163:ALA:H	1.13	1.08
1:2A:2138:C:N4	1:2A:2153:G:H1	1.52	1.06
12:2R:101:ALA:HB2	26:25:44:THR:HG21	1.31	1.04

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%)	241 (88%)	26 (10%)	6 (2%)	5	30
3	2D	273/276 (99%)	234 (86%)	33 (12%)	6 (2%)	5	30
4	1E	202/206 (98%)	179 (89%)	19 (9%)	4 (2%)	6	32
4	2E	202/206 (98%)	174 (86%)	26 (13%)	2 (1%)	12	44
5	1F	201/210 (96%)	182 (90%)	17 (8%)	2 (1%)	12	44
5	2F	201/210 (96%)	183 (91%)	15 (8%)	3 (2%)	8	37
6	1G	179/182 (98%)	155 (87%)	23 (13%)	1 (1%)	21	54
6	2G	179/182 (98%)	147 (82%)	27 (15%)	5 (3%)	4	26
7	1H	172/180 (96%)	152 (88%)	18 (10%)	2 (1%)	10	41
7	2H	172/180 (96%)	151 (88%)	19 (11%)	2 (1%)	10	41
8	1N	138/140 (99%)	121 (88%)	16 (12%)	1 (1%)	18	51
8	2N	138/140 (99%)	127 (92%)	8 (6%)	3 (2%)	5	30
9	1O	120/122 (98%)	105 (88%)	13 (11%)	2 (2%)	7	35
9	2O	120/122 (98%)	103 (86%)	16 (13%)	1 (1%)	16	49

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
10	1P	147/150 (98%)	134 (91%)	11 (8%)	2 (1%)	9	38
10	2P	147/150 (98%)	132 (90%)	13 (9%)	2 (1%)	9	38
11	1Q	139/141 (99%)	123 (88%)	14 (10%)	2 (1%)	9	38
11	2Q	139/141 (99%)	122 (88%)	16 (12%)	1 (1%)	18	51
12	1R	116/118 (98%)	91 (78%)	21 (18%)	4 (3%)	3	23
12	2R	116/118 (98%)	110 (95%)	5 (4%)	1 (1%)	14	47
13	1S	108/112 (96%)	96 (89%)	12 (11%)	0	100	100
13	2S	108/112 (96%)	96 (89%)	10 (9%)	2 (2%)	6	33
14	1T	129/146 (88%)	117 (91%)	12 (9%)	0	100	100
14	2T	129/146 (88%)	115 (89%)	13 (10%)	1 (1%)	16	49
15	1U	114/118 (97%)	104 (91%)	8 (7%)	2 (2%)	6	34
15	2U	114/118 (97%)	109 (96%)	4 (4%)	1 (1%)	14	47
16	1V	99/101 (98%)	85 (86%)	12 (12%)	2 (2%)	6	32
16	2V	99/101 (98%)	86 (87%)	12 (12%)	1 (1%)	12	44
17	1W	110/113 (97%)	98 (89%)	10 (9%)	2 (2%)	6	34
17	2W	110/113 (97%)	102 (93%)	7 (6%)	1 (1%)	14	47
18	1X	93/96 (97%)	84 (90%)	6 (6%)	3 (3%)	3	24
18	2X	93/96 (97%)	81 (87%)	11 (12%)	1 (1%)	11	43
19	1Y	105/110 (96%)	88 (84%)	15 (14%)	2 (2%)	6	33
19	2Y	105/110 (96%)	92 (88%)	10 (10%)	3 (3%)	3	26
20	1Z	202/206 (98%)	159 (79%)	34 (17%)	9 (4%)	2	17
20	2Z	202/206 (98%)	161 (80%)	28 (14%)	13 (6%)	1	11
21	10	73/85 (86%)	69 (94%)	4 (6%)	0	100	100
21	20	73/85 (86%)	67 (92%)	5 (7%)	1 (1%)	9	38
22	11	95/98 (97%)	90 (95%)	5 (5%)	0	100	100
22	21	95/98 (97%)	89 (94%)	4 (4%)	2 (2%)	5	31
23	12	68/72 (94%)	60 (88%)	5 (7%)	3 (4%)	2	17
23	22	68/72 (94%)	63 (93%)	5 (7%)	0	100	100
24	13	57/60 (95%)	51 (90%)	5 (9%)	1 (2%)	6	34
24	23	57/60 (95%)	51 (90%)	5 (9%)	1 (2%)	6	34
25	14	67/71 (94%)	51 (76%)	10 (15%)	6 (9%)	0	7

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
25	24	67/71 (94%)	53 (79%)	10 (15%)	4 (6%)	1	12
26	15	57/60 (95%)	53 (93%)	4 (7%)	0	100	100
26	25	57/60 (95%)	53 (93%)	4 (7%)	0	100	100
27	16	51/54 (94%)	46 (90%)	5 (10%)	0	100	100
27	26	51/54 (94%)	48 (94%)	2 (4%)	1 (2%)	6	32
28	17	46/49 (94%)	43 (94%)	3 (6%)	0	100	100
28	27	46/49 (94%)	40 (87%)	5 (11%)	1 (2%)	5	30
29	18	62/65 (95%)	54 (87%)	7 (11%)	1 (2%)	7	36
29	28	62/65 (95%)	57 (92%)	5 (8%)	0	100	100
30	19	35/37 (95%)	30 (86%)	5 (14%)	0	100	100
30	29	35/37 (95%)	31 (89%)	4 (11%)	0	100	100
32	1b	229/256 (90%)	190 (83%)	32 (14%)	7 (3%)	3	25
32	2b	229/256 (90%)	199 (87%)	22 (10%)	8 (4%)	3	23
33	1c	204/239 (85%)	183 (90%)	17 (8%)	4 (2%)	6	32
33	2c	204/239 (85%)	172 (84%)	30 (15%)	2 (1%)	12	44
34	1d	206/209 (99%)	181 (88%)	21 (10%)	4 (2%)	6	33
34	2d	206/209 (99%)	189 (92%)	16 (8%)	1 (0%)	24	57
35	1e	146/162 (90%)	127 (87%)	17 (12%)	2 (1%)	9	38
35	2e	146/162 (90%)	127 (87%)	19 (13%)	0	100	100
36	1f	98/101 (97%)	92 (94%)	6 (6%)	0	100	100
36	2f	98/101 (97%)	92 (94%)	6 (6%)	0	100	100
37	1g	153/156 (98%)	135 (88%)	14 (9%)	4 (3%)	4	27
37	2g	153/156 (98%)	135 (88%)	14 (9%)	4 (3%)	4	27
38	1h	135/138 (98%)	125 (93%)	10 (7%)	0	100	100
38	2h	135/138 (98%)	118 (87%)	16 (12%)	1 (1%)	18	51
39	1i	125/128 (98%)	106 (85%)	19 (15%)	0	100	100
39	2i	125/128 (98%)	104 (83%)	21 (17%)	0	100	100
40	1j	95/105 (90%)	82 (86%)	9 (10%)	4 (4%)	2	19
40	2j	94/105 (90%)	78 (83%)	15 (16%)	1 (1%)	11	43
41	1k	112/129 (87%)	101 (90%)	9 (8%)	2 (2%)	6	34
41	2k	112/129 (87%)	98 (88%)	12 (11%)	2 (2%)	6	34

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
42	1l	119/132 (90%)	109 (92%)	9 (8%)	1 (1%)	16	49
42	2l	119/132 (90%)	97 (82%)	19 (16%)	3 (2%)	4	28
43	1m	116/126 (92%)	100 (86%)	16 (14%)	0	100	100
43	2m	120/126 (95%)	104 (87%)	14 (12%)	2 (2%)	7	35
44	1n	58/61 (95%)	49 (84%)	8 (14%)	1 (2%)	7	35
44	2n	58/61 (95%)	50 (86%)	7 (12%)	1 (2%)	7	35
45	1o	86/89 (97%)	79 (92%)	5 (6%)	2 (2%)	5	30
45	2o	86/89 (97%)	78 (91%)	4 (5%)	4 (5%)	2	17
46	1p	80/88 (91%)	66 (82%)	12 (15%)	2 (2%)	4	28
46	2p	80/88 (91%)	71 (89%)	8 (10%)	1 (1%)	9	39
47	1q	97/105 (92%)	84 (87%)	13 (13%)	0	100	100
47	2q	97/105 (92%)	84 (87%)	11 (11%)	2 (2%)	5	31
48	1r	66/88 (75%)	64 (97%)	2 (3%)	0	100	100
48	2r	66/88 (75%)	62 (94%)	3 (4%)	1 (2%)	8	37
49	1s	81/93 (87%)	68 (84%)	9 (11%)	4 (5%)	1	16
49	2s	81/93 (87%)	65 (80%)	14 (17%)	2 (2%)	4	28
50	1t	94/106 (89%)	82 (87%)	7 (7%)	5 (5%)	1	14
50	2t	94/106 (89%)	81 (86%)	10 (11%)	3 (3%)	3	24
51	1u	21/27 (78%)	18 (86%)	3 (14%)	0	100	100
51	2u	21/27 (78%)	19 (90%)	2 (10%)	0	100	100
52	1v	724/758 (96%)	593 (82%)	105 (14%)	26 (4%)	2	22
52	2v	724/758 (96%)	602 (83%)	97 (13%)	25 (4%)	3	23
53	1w	183/185 (99%)	159 (87%)	16 (9%)	8 (4%)	2	17
53	2w	183/185 (99%)	165 (90%)	13 (7%)	5 (3%)	4	27
All	All	12975/13718 (95%)	11321 (87%)	1394 (11%)	260 (2%)	6	32

5 of 260 Ramachandran outliers are listed below:

Mol	Chain	Res	Type
5	1F	130	ALA
7	1H	126	PRO
10	1P	53	GLY
11	1Q	16	ARG
16	1V	97	LYS

5.3.2 Protein sidechains ⓘ

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

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

Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
3	1D	215/218 (99%)	190 (88%)	25 (12%)	5	24
3	2D	215/218 (99%)	202 (94%)	13 (6%)	17	44
4	1E	164/166 (99%)	146 (89%)	18 (11%)	6	26
4	2E	164/166 (99%)	148 (90%)	16 (10%)	7	30
5	1F	160/166 (96%)	143 (89%)	17 (11%)	6	27
5	2F	159/166 (96%)	152 (96%)	7 (4%)	25	51
6	1G	150/156 (96%)	140 (93%)	10 (7%)	15	41
6	2G	150/156 (96%)	144 (96%)	6 (4%)	28	54
7	1H	144/148 (97%)	133 (92%)	11 (8%)	12	37
7	2H	144/148 (97%)	140 (97%)	4 (3%)	38	61
8	1N	118/119 (99%)	104 (88%)	14 (12%)	5	23
8	2N	118/119 (99%)	111 (94%)	7 (6%)	18	44
9	1O	100/100 (100%)	94 (94%)	6 (6%)	17	44
9	2O	100/100 (100%)	96 (96%)	4 (4%)	28	54
10	1P	115/116 (99%)	107 (93%)	8 (7%)	14	39
10	2P	115/116 (99%)	109 (95%)	6 (5%)	21	47
11	1Q	111/111 (100%)	107 (96%)	4 (4%)	31	57
11	2Q	111/111 (100%)	104 (94%)	7 (6%)	16	42
12	1R	101/101 (100%)	80 (79%)	21 (21%)	1	6
12	2R	101/101 (100%)	96 (95%)	5 (5%)	22	48
13	1S	86/88 (98%)	75 (87%)	11 (13%)	4	21
13	2S	85/88 (97%)	80 (94%)	5 (6%)	18	44
14	1T	115/127 (91%)	104 (90%)	11 (10%)	8	30
14	2T	113/127 (89%)	109 (96%)	4 (4%)	32	57
15	1U	93/94 (99%)	89 (96%)	4 (4%)	26	51
15	2U	93/94 (99%)	92 (99%)	1 (1%)	65	74

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
16	1V	80/82 (98%)	68 (85%)	12 (15%)	3	17
16	2V	80/82 (98%)	76 (95%)	4 (5%)	22	48
17	1W	90/92 (98%)	83 (92%)	7 (8%)	11	36
17	2W	90/92 (98%)	80 (89%)	10 (11%)	6	25
18	1X	77/78 (99%)	71 (92%)	6 (8%)	11	36
18	2X	77/78 (99%)	72 (94%)	5 (6%)	15	42
19	1Y	85/91 (93%)	78 (92%)	7 (8%)	10	34
19	2Y	85/91 (93%)	80 (94%)	5 (6%)	18	44
20	1Z	167/179 (93%)	144 (86%)	23 (14%)	3	19
20	2Z	167/179 (93%)	147 (88%)	20 (12%)	5	23
21	10	60/67 (90%)	58 (97%)	2 (3%)	33	58
21	20	60/67 (90%)	58 (97%)	2 (3%)	33	58
22	11	80/83 (96%)	73 (91%)	7 (9%)	9	32
22	21	80/83 (96%)	76 (95%)	4 (5%)	22	48
23	12	65/67 (97%)	59 (91%)	6 (9%)	8	32
23	22	65/67 (97%)	64 (98%)	1 (2%)	57	71
24	13	51/52 (98%)	43 (84%)	8 (16%)	2	15
24	23	50/52 (96%)	46 (92%)	4 (8%)	11	35
25	14	59/63 (94%)	51 (86%)	8 (14%)	3	19
25	24	53/63 (84%)	47 (89%)	6 (11%)	5	25
26	15	50/52 (96%)	48 (96%)	2 (4%)	28	54
26	25	50/52 (96%)	46 (92%)	4 (8%)	11	35
27	16	51/52 (98%)	49 (96%)	2 (4%)	28	54
27	26	50/52 (96%)	50 (100%)	0	100	100
28	17	41/42 (98%)	37 (90%)	4 (10%)	7	30
28	27	41/42 (98%)	36 (88%)	5 (12%)	5	22
29	18	54/55 (98%)	52 (96%)	2 (4%)	30	56
29	28	54/55 (98%)	53 (98%)	1 (2%)	50	68
30	19	34/34 (100%)	33 (97%)	1 (3%)	37	60
30	29	34/34 (100%)	32 (94%)	2 (6%)	18	44
32	1b	192/220 (87%)	180 (94%)	12 (6%)	16	42

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
32	2b	187/220 (85%)	177 (95%)	10 (5%)	20	47
33	1c	142/188 (76%)	135 (95%)	7 (5%)	22	48
33	2c	140/188 (74%)	131 (94%)	9 (6%)	16	42
34	1d	169/181 (93%)	158 (94%)	11 (6%)	15	42
34	2d	173/181 (96%)	164 (95%)	9 (5%)	21	47
35	1e	113/123 (92%)	107 (95%)	6 (5%)	20	47
35	2e	114/123 (93%)	106 (93%)	8 (7%)	14	39
36	1f	84/90 (93%)	84 (100%)	0	100	100
36	2f	85/90 (94%)	78 (92%)	7 (8%)	10	34
37	1g	119/127 (94%)	111 (93%)	8 (7%)	15	41
37	2g	120/127 (94%)	117 (98%)	3 (2%)	42	63
38	1h	114/119 (96%)	109 (96%)	5 (4%)	25	51
38	2h	114/119 (96%)	106 (93%)	8 (7%)	14	39
39	1i	90/99 (91%)	84 (93%)	6 (7%)	15	41
39	2i	89/99 (90%)	80 (90%)	9 (10%)	7	28
40	1j	66/92 (72%)	63 (96%)	3 (4%)	24	50
40	2j	69/92 (75%)	67 (97%)	2 (3%)	37	60
41	1k	82/99 (83%)	79 (96%)	3 (4%)	30	56
41	2k	83/99 (84%)	81 (98%)	2 (2%)	43	64
42	1l	96/108 (89%)	89 (93%)	7 (7%)	13	38
42	2l	96/108 (89%)	94 (98%)	2 (2%)	47	66
43	1m	89/101 (88%)	86 (97%)	3 (3%)	32	57
43	2m	92/101 (91%)	87 (95%)	5 (5%)	20	46
44	1n	49/50 (98%)	46 (94%)	3 (6%)	17	43
44	2n	49/50 (98%)	48 (98%)	1 (2%)	48	67
45	1o	78/80 (98%)	77 (99%)	1 (1%)	61	72
45	2o	78/80 (98%)	71 (91%)	7 (9%)	9	32
46	1p	69/74 (93%)	61 (88%)	8 (12%)	5	24
46	2p	68/74 (92%)	63 (93%)	5 (7%)	13	37
47	1q	94/97 (97%)	89 (95%)	5 (5%)	20	47
47	2q	94/97 (97%)	90 (96%)	4 (4%)	26	51

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
48	1r	59/77 (77%)	56 (95%)	3 (5%)	21	48
48	2r	59/77 (77%)	56 (95%)	3 (5%)	21	48
49	1s	69/80 (86%)	64 (93%)	5 (7%)	13	38
49	2s	67/80 (84%)	61 (91%)	6 (9%)	9	32
50	1t	70/82 (85%)	68 (97%)	2 (3%)	37	60
50	2t	70/82 (85%)	69 (99%)	1 (1%)	59	71
51	1u	18/22 (82%)	17 (94%)	1 (6%)	19	46
51	2u	18/22 (82%)	18 (100%)	0	100	100
52	1v	605/636 (95%)	511 (84%)	94 (16%)	2	15
52	2v	605/636 (95%)	509 (84%)	96 (16%)	2	14
53	1w	157/157 (100%)	130 (83%)	27 (17%)	2	12
53	2w	157/157 (100%)	138 (88%)	19 (12%)	5	22
All	All	10671/11402 (94%)	9820 (92%)	851 (8%)	11	35

5 of 851 residues with a non-rotameric sidechain are listed below:

Mol	Chain	Res	Type
53	1w	101	ILE
17	2W	100	THR
52	2v	402	ILE
53	1w	174	GLN
53	1w	99	LEU

Sometimes sidechains can be flipped to improve hydrogen bonding and reduce clashes. 5 of 158 such sidechains are listed below:

Mol	Chain	Res	Type
34	2d	77	ASN
52	2v	213	HIS
34	2d	199	ASN
43	2m	77	ASN
52	2v	641	GLN

5.3.3 RNA ⓘ

Mol	Chain	Analysed	Backbone Outliers	Pucker Outliers
1	1A	2864/2915 (98%)	487 (17%)	28 (0%)

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Mol	Chain	Analysed	Backbone Outliers	Pucker Outliers
1	2A	2791/2915 (95%)	494 (17%)	21 (0%)
2	1B	119/121 (98%)	15 (12%)	0
2	2B	118/121 (97%)	24 (20%)	0
31	1a	1495/1521 (98%)	231 (15%)	0
31	2a	1501/1521 (98%)	247 (16%)	0
54	1x	72/76 (94%)	31 (43%)	0
54	1y	72/76 (94%)	17 (23%)	0
54	2x	72/76 (94%)	29 (40%)	0
54	2y	72/76 (94%)	19 (26%)	0
55	1z	9/21 (42%)	5 (55%)	0
55	2z	9/21 (42%)	6 (66%)	0
All	All	9194/9460 (97%)	1605 (17%)	49 (0%)

5 of 1605 RNA backbone outliers are listed below:

Mol	Chain	Res	Type
1	1A	12	U
1	1A	13	A
1	1A	15	G
1	1A	27	G
1	1A	34	C

5 of 49 RNA pucker outliers are listed below:

Mol	Chain	Res	Type
1	2A	228	A
1	2A	900	A
1	2A	266	G
1	2A	528	A
1	2A	1210	A

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

76 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
31	PSU	2a	516	31,56	18,21,22	1.34	2 (11%)	21,30,33	1.97	3 (14%)
54	4SU	2x	8	54	18,21,22	1.75	4 (22%)	25,30,33	2.28	4 (16%)
31	2MG	2a	1207	31	23,26,27	1.25	3 (13%)	33,38,41	2.22	7 (21%)
31	UR3	1a	1498	31,56	19,22,23	1.04	2 (10%)	26,32,35	1.70	4 (15%)
31	7MG	1a	527	31,56	23,26,27	1.30	3 (13%)	27,39,42	2.61	7 (25%)
1	OMG	2A	2251	1,56	23,26,27	1.24	3 (13%)	32,38,41	1.97	6 (18%)
54	PSU	1y	32	54	18,21,22	1.37	2 (11%)	21,30,33	1.86	3 (14%)
1	PSU	1A	1917	1	18,21,22	1.42	2 (11%)	21,30,33	2.07	4 (19%)
1	2MU	1A	2552	1,56	19,22,24	1.32	4 (21%)	25,31,36	2.04	4 (16%)
54	PSU	2x	55	54	18,21,22	1.37	2 (11%)	21,30,33	2.06	4 (19%)
31	5MC	2a	1400	31	19,22,23	1.54	2 (10%)	26,32,35	1.11	3 (11%)
1	2MA	1A	2503	1,56	22,25,26	1.54	4 (18%)	32,37,40	2.36	8 (25%)
31	7MG	2a	527	31	23,26,27	1.34	3 (13%)	27,39,42	2.59	7 (25%)
31	5MC	1a	1400	31	19,22,23	1.67	3 (15%)	26,32,35	1.14	2 (7%)
31	MA6	1a	1518	31	23,26,27	1.51	5 (21%)	33,38,41	2.23	13 (39%)
31	4OC	1a	1402	31	20,23,24	0.77	0	25,32,35	0.99	1 (4%)
1	2MA	2A	2503	1,56	22,25,26	1.46	5 (22%)	32,37,40	2.25	8 (25%)
1	OMC	2A	1920	1	19,22,23	0.77	0	25,31,34	0.82	0
31	5MC	1a	967	31	19,22,23	1.64	2 (10%)	26,32,35	1.18	3 (11%)
54	PSU	2x	39	54	18,21,22	1.31	2 (11%)	21,30,33	2.23	5 (23%)
54	5MU	2y	54	54	19,22,23	1.43	5 (26%)	27,32,35	2.12	6 (22%)
1	PSU	2A	1917	1,56	18,21,22	1.46	2 (11%)	21,30,33	1.88	4 (19%)
1	5MU	1A	1939	1	19,22,23	1.49	5 (26%)	27,32,35	2.13	7 (25%)
31	MA6	2a	1518	31,56	23,26,27	1.51	4 (17%)	33,38,41	2.38	12 (36%)
54	5MU	1x	54	54	19,22,23	1.37	5 (26%)	27,32,35	2.26	6 (22%)
42	0TD	1l	92	42	8,9,10	4.48	2 (25%)	6,11,13	4.73	2 (33%)
31	M2G	2a	966	31	24,27,28	1.33	4 (16%)	33,40,43	1.89	6 (18%)
31	M2G	1a	966	31	24,27,28	1.34	4 (16%)	33,40,43	1.89	6 (18%)
42	0TD	2l	92	42	8,9,10	4.55	2 (25%)	6,11,13	1.98	2 (33%)
1	5MC	1A	1942	1	19,22,23	1.67	3 (15%)	26,32,35	1.35	5 (19%)
1	PSU	2A	2605	1,56	18,21,22	1.39	2 (11%)	21,30,33	2.32	4 (19%)
31	4OC	2a	1402	31	20,23,24	0.79	0	25,32,35	1.02	1 (4%)
54	7MG	1x	46	54	23,26,27	1.28	3 (13%)	27,39,42	2.71	7 (25%)
54	PSU	2y	55	54	18,21,22	1.34	2 (11%)	21,30,33	2.07	3 (14%)
31	MA6	2a	1519	31	23,26,27	1.58	4 (17%)	33,38,41	2.33	12 (36%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
31	5MC	1a	1407	31	19,22,23	1.62	2 (10%)	26,32,35	1.03	1 (3%)
1	5MC	1A	1962	1	19,22,23	1.55	2 (10%)	26,32,35	1.17	3 (11%)
31	PSU	1a	516	31,56	18,21,22	1.38	3 (16%)	21,30,33	1.93	5 (23%)
54	PSU	2x	32	56,54	18,21,22	1.37	2 (11%)	21,30,33	2.10	5 (23%)
54	MIA	1x	37	54	21,24,32	1.65	3 (14%)	30,35,47	2.06	8 (26%)
54	PSU	2y	39	54	18,21,22	1.35	2 (11%)	21,30,33	1.95	3 (14%)
54	7MG	2y	46	54	23,26,27	1.32	4 (17%)	27,39,42	2.67	7 (25%)
54	5MU	1y	54	54	19,22,23	1.46	5 (26%)	27,32,35	2.13	7 (25%)
54	5MU	2x	54	54	19,22,23	1.45	6 (31%)	27,32,35	1.96	5 (18%)
1	PSU	1A	1911	1	18,21,22	1.39	4 (22%)	21,30,33	1.88	4 (19%)
54	4SU	2y	8	54	18,21,22	1.84	4 (22%)	25,30,33	2.12	4 (16%)
54	PSU	1x	39	54	18,21,22	1.44	3 (16%)	21,30,33	2.01	4 (19%)
54	4SU	1x	8	56,54	18,21,22	1.69	4 (22%)	25,30,33	2.47	8 (32%)
31	5MC	1a	1404	31	19,22,23	1.71	3 (15%)	26,32,35	1.22	4 (15%)
31	5MC	2a	1407	31,56	19,22,23	1.58	2 (10%)	26,32,35	1.06	2 (7%)
54	MIA	2y	37	54	21,24,32	1.57	4 (19%)	30,35,47	1.99	9 (30%)
31	UR3	2a	1498	31	19,22,23	1.04	2 (10%)	26,32,35	1.75	2 (7%)
54	PSU	2y	32	54	18,21,22	1.35	2 (11%)	21,30,33	1.98	4 (19%)
1	5MU	2A	1939	1	19,22,23	1.37	5 (26%)	27,32,35	2.20	6 (22%)
1	5MC	2A	1962	1	19,22,23	1.44	2 (10%)	26,32,35	1.13	3 (11%)
54	PSU	1x	55	54	18,21,22	1.36	2 (11%)	21,30,33	2.11	5 (23%)
31	5MC	2a	967	31	19,22,23	1.60	3 (15%)	26,32,35	1.15	3 (11%)
54	PSU	1y	55	54	18,21,22	1.33	2 (11%)	21,30,33	2.10	3 (14%)
54	MIA	2x	37	54	21,24,32	1.59	4 (19%)	30,35,47	2.02	7 (23%)
1	5MC	2A	1942	1	19,22,23	1.44	3 (15%)	26,32,35	1.17	3 (11%)
31	MA6	1a	1519	31	23,26,27	1.58	4 (17%)	33,38,41	2.33	13 (39%)
31	5MC	2a	1404	31	19,22,23	1.72	3 (15%)	26,32,35	1.14	3 (11%)
54	7MG	2x	46	54	23,26,27	1.29	4 (17%)	27,39,42	2.76	7 (25%)
1	OMG	1A	2251	1,56	23,26,27	1.32	3 (13%)	32,38,41	2.05	9 (28%)
54	MIA	1y	37	31,54	21,24,32	1.61	4 (19%)	30,35,47	1.97	8 (26%)
1	OMC	1A	1920	1	19,22,23	0.81	0	25,31,34	1.18	3 (12%)
1	2MU	2A	2552	1	19,22,24	1.27	4 (21%)	25,31,36	1.93	5 (20%)
1	5MU	1A	1915	1	19,22,23	1.41	6 (31%)	27,32,35	2.12	6 (22%)
1	PSU	1A	2605	1	18,21,22	1.45	3 (16%)	21,30,33	2.10	4 (19%)
54	PSU	1y	39	54	18,21,22	1.36	2 (11%)	21,30,33	2.13	4 (19%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
54	7MG	1y	46	54	23,26,27	1.29	4 (17%)	27,39,42	2.72	7 (25%)
31	2MG	1a	1207	31	23,26,27	1.27	4 (17%)	33,38,41	2.24	8 (24%)
1	PSU	2A	1911	1,56	18,21,22	1.43	3 (16%)	21,30,33	2.19	3 (14%)
54	PSU	1x	32	56,54	18,21,22	1.40	2 (11%)	21,30,33	1.99	3 (14%)
1	5MU	2A	1915	1,56	19,22,23	1.53	4 (21%)	27,32,35	2.10	7 (25%)
54	4SU	1y	8	54	18,21,22	1.93	5 (27%)	25,30,33	2.27	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
31	PSU	2a	516	31,56	-	1/7/25/26	0/2/2/2
54	4SU	2x	8	54	-	2/7/25/26	0/2/2/2
31	2MG	2a	1207	31	-	1/9/27/28	0/3/3/3
31	UR3	1a	1498	31,56	-	0/7/25/26	0/2/2/2
31	7MG	1a	527	31,56	-	2/7/37/38	0/3/3/3
1	OMG	2A	2251	1,56	-	0/9/27/28	0/3/3/3
54	PSU	1y	32	54	-	1/7/25/26	0/2/2/2
1	PSU	1A	1917	1	-	0/7/25/26	0/2/2/2
1	2MU	1A	2552	1,56	-	1/9/27/28	0/2/2/2
54	PSU	2x	55	54	-	1/7/25/26	0/2/2/2
31	5MC	2a	1400	31	-	4/7/25/26	0/2/2/2
1	2MA	1A	2503	1,56	-	4/7/25/26	0/3/3/3
31	7MG	2a	527	31	-	2/7/37/38	0/3/3/3
31	5MC	1a	1400	31	-	0/7/25/26	0/2/2/2
31	MA6	1a	1518	31	-	3/11/29/30	0/3/3/3
31	4OC	1a	1402	31	-	2/9/29/30	0/2/2/2
1	2MA	2A	2503	1,56	-	2/7/25/26	0/3/3/3
1	OMC	2A	1920	1	-	0/9/27/28	0/2/2/2
31	5MC	1a	967	31	-	0/7/25/26	0/2/2/2
54	PSU	2x	39	54	-	2/7/25/26	0/2/2/2
54	5MU	2y	54	54	-	0/7/25/26	0/2/2/2
1	PSU	2A	1917	1,56	-	5/7/25/26	0/2/2/2
1	5MU	1A	1939	1	-	1/7/25/26	0/2/2/2
31	MA6	2a	1518	31,56	-	2/11/29/30	0/3/3/3
54	5MU	1x	54	54	-	2/7/25/26	0/2/2/2

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
42	0TD	1l	92	42	-	3/7/12/14	-
31	M2G	2a	966	31	-	0/11/29/30	0/3/3/3
31	M2G	1a	966	31	-	0/11/29/30	0/3/3/3
42	0TD	2l	92	42	-	2/7/12/14	-
1	5MC	1A	1942	1	-	0/7/25/26	0/2/2/2
1	PSU	2A	2605	1,56	-	0/7/25/26	0/2/2/2
31	4OC	2a	1402	31	-	2/9/29/30	0/2/2/2
54	7MG	1x	46	54	-	1/7/37/38	0/3/3/3
54	PSU	2y	55	54	-	0/7/25/26	0/2/2/2
31	MA6	2a	1519	31	-	5/11/29/30	0/3/3/3
31	5MC	1a	1407	31	-	0/7/25/26	0/2/2/2
1	5MC	1A	1962	1	-	0/7/25/26	0/2/2/2
31	PSU	1a	516	31,56	-	0/7/25/26	0/2/2/2
54	PSU	2x	32	56,54	-	0/7/25/26	0/2/2/2
54	MIA	1x	37	54	-	2/7/25/34	0/3/3/3
54	PSU	2y	39	54	-	0/7/25/26	0/2/2/2
54	7MG	2y	46	54	-	4/7/37/38	0/3/3/3
54	5MU	1y	54	54	-	0/7/25/26	0/2/2/2
54	5MU	2x	54	54	-	1/7/25/26	0/2/2/2
1	PSU	1A	1911	1	-	0/7/25/26	0/2/2/2
54	4SU	2y	8	54	-	0/7/25/26	0/2/2/2
54	PSU	1x	39	54	-	2/7/25/26	0/2/2/2
54	4SU	1x	8	56,54	-	4/7/25/26	0/2/2/2
31	5MC	1a	1404	31	-	0/7/25/26	0/2/2/2
31	5MC	2a	1407	31,56	-	0/7/25/26	0/2/2/2
54	MIA	2y	37	54	-	3/7/25/34	0/3/3/3
31	UR3	2a	1498	31	-	0/7/25/26	0/2/2/2
54	PSU	2y	32	54	-	0/7/25/26	0/2/2/2
1	5MU	2A	1939	1	-	0/7/25/26	0/2/2/2
1	5MC	2A	1962	1	-	0/7/25/26	0/2/2/2
54	PSU	1x	55	54	-	1/7/25/26	0/2/2/2
31	5MC	2a	967	31	-	1/7/25/26	0/2/2/2
54	PSU	1y	55	54	-	0/7/25/26	0/2/2/2
54	MIA	2x	37	54	-	3/7/25/34	0/3/3/3
1	5MC	2A	1942	1	-	0/7/25/26	0/2/2/2
31	MA6	1a	1519	31	-	3/11/29/30	0/3/3/3
31	5MC	2a	1404	31	-	0/7/25/26	0/2/2/2
54	7MG	2x	46	54	-	1/7/37/38	0/3/3/3
1	OMG	1A	2251	1,56	-	0/9/27/28	0/3/3/3

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
54	MIA	1y	37	31,54	-	3/7/25/34	0/3/3/3
1	OMC	1A	1920	1	-	1/9/27/28	0/2/2/2
1	2MU	2A	2552	1	-	0/9/27/28	0/2/2/2
1	5MU	1A	1915	1	-	2/7/25/26	0/2/2/2
1	PSU	1A	2605	1	-	0/7/25/26	0/2/2/2
54	PSU	1y	39	54	-	0/7/25/26	0/2/2/2
54	7MG	1y	46	54	-	5/7/37/38	0/3/3/3
31	2MG	1a	1207	31	-	0/9/27/28	0/3/3/3
1	PSU	2A	1911	1,56	-	1/7/25/26	0/2/2/2
54	PSU	1x	32	56,54	-	2/7/25/26	0/2/2/2
1	5MU	2A	1915	1,56	-	0/7/25/26	0/2/2/2
54	4SU	1y	8	54	-	0/7/25/26	0/2/2/2

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

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
42	1l	92	0TD	CB-SB	-12.12	1.70	1.82
42	2l	92	0TD	CB-SB	-12.11	1.70	1.82
31	2a	1404	5MC	C5-C4	6.43	1.49	1.44
31	1a	1404	5MC	C5-C4	6.25	1.48	1.44
1	1A	1942	5MC	C5-C4	6.15	1.48	1.44

The worst 5 of 389 bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
42	1l	92	0TD	CSB-SB-CB	-11.06	82.48	102.36
54	1y	46	7MG	N9-C4-N3	9.32	139.12	125.46
54	2y	46	7MG	N9-C4-N3	9.26	139.03	125.46
54	2x	46	7MG	N9-C4-N3	9.05	138.72	125.46
31	1a	527	7MG	N9-C4-N3	8.90	138.50	125.46

There are no chirality outliers.

5 of 90 torsion outliers are listed below:

Mol	Chain	Res	Type	Atoms
42	1l	92	0TD	CA-CB-SB-CSB
42	1l	92	0TD	CG-CB-SB-CSB
42	2l	92	0TD	SB-CB-CG-OD1
1	2A	1917	PSU	C2'-C1'-C5-C4
1	2A	1917	PSU	C2'-C1'-C5-C6

There are no ring outliers.

39 monomers are involved in 74 short contacts:

Mol	Chain	Res	Type	Clashes	Symm-Clashes
31	1a	1498	UR3	1	0
1	2A	2251	OMG	1	0
1	1A	2552	2MU	1	0
31	2a	1400	5MC	1	0
1	1A	2503	2MA	6	0
31	1a	1518	MA6	5	0
31	1a	1402	4OC	2	0
1	2A	2503	2MA	2	0
1	2A	1920	OMC	1	0
31	1a	967	5MC	2	0
1	2A	1917	PSU	2	0
1	1A	1939	5MU	2	0
31	2a	1518	MA6	3	0
42	1l	92	0TD	1	0
31	2a	966	M2G	3	0
31	1a	966	M2G	2	0
31	2a	1402	4OC	2	0
54	2y	55	PSU	1	0
31	2a	1519	MA6	2	0
54	2x	32	PSU	1	0
54	2y	46	7MG	1	0
1	1A	1911	PSU	2	0
54	1x	39	PSU	1	0
54	1x	8	4SU	3	0
31	1a	1404	5MC	1	0
54	2y	37	MIA	1	0
1	2A	1962	5MC	2	0
31	2a	967	5MC	4	0
54	2x	37	MIA	1	0
1	2A	1942	5MC	2	0
31	1a	1519	MA6	4	0
1	1A	2251	OMG	3	0
54	1y	37	MIA	1	0
1	1A	1920	OMC	2	0
1	2A	2552	2MU	2	0
1	1A	1915	5MU	1	0
54	1y	39	PSU	2	0
31	1a	1207	2MG	5	0
1	2A	1911	PSU	2	0

5.5 Carbohydrates [i](#)

There are no oligosaccharides in this entry.

5.6 Ligand geometry [i](#)

Of 2890 ligands modelled in this entry, 2886 are monoatomic - leaving 4 for Mogul analysis.

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

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\# Z > 2$	Counts	RMSZ	$\# Z > 2$
58	SF4	2d	303	34	0,12,12	-	-	-		
59	GDP	2v	704	-	29,30,30	1.14	2 (6%)	45,47,47	1.74	6 (13%)
58	SF4	1d	304	34	0,12,12	-	-	-		
59	GDP	1v	704	56	29,30,30	1.16	3 (10%)	45,47,47	1.79	6 (13%)

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
58	SF4	2d	303	34	-	-	0/6/5/5
59	GDP	2v	704	-	-	5/16/32/32	0/3/3/3
58	SF4	1d	304	34	-	-	0/6/5/5
59	GDP	1v	704	56	-	0/16/32/32	0/3/3/3

All (5) bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
59	2v	704	GDP	C5-C4	3.21	1.47	1.38
59	1v	704	GDP	C5-C4	3.09	1.47	1.38
59	1v	704	GDP	C6-N1	-2.49	1.34	1.38
59	2v	704	GDP	C6-N1	-2.39	1.34	1.38
59	1v	704	GDP	C5-N7	-2.19	1.34	1.39

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

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
59	1v	704	GDP	C5-C4-N3	-6.22	118.49	128.39
59	2v	704	GDP	C5-C4-N3	-5.85	119.07	128.39
59	1v	704	GDP	C2-N3-C4	5.09	121.07	112.30
59	2v	704	GDP	C2-N3-C4	4.80	120.56	112.30
59	1v	704	GDP	N9-C4-N3	4.38	134.70	125.95

There are no chirality outliers.

All (5) torsion outliers are listed below:

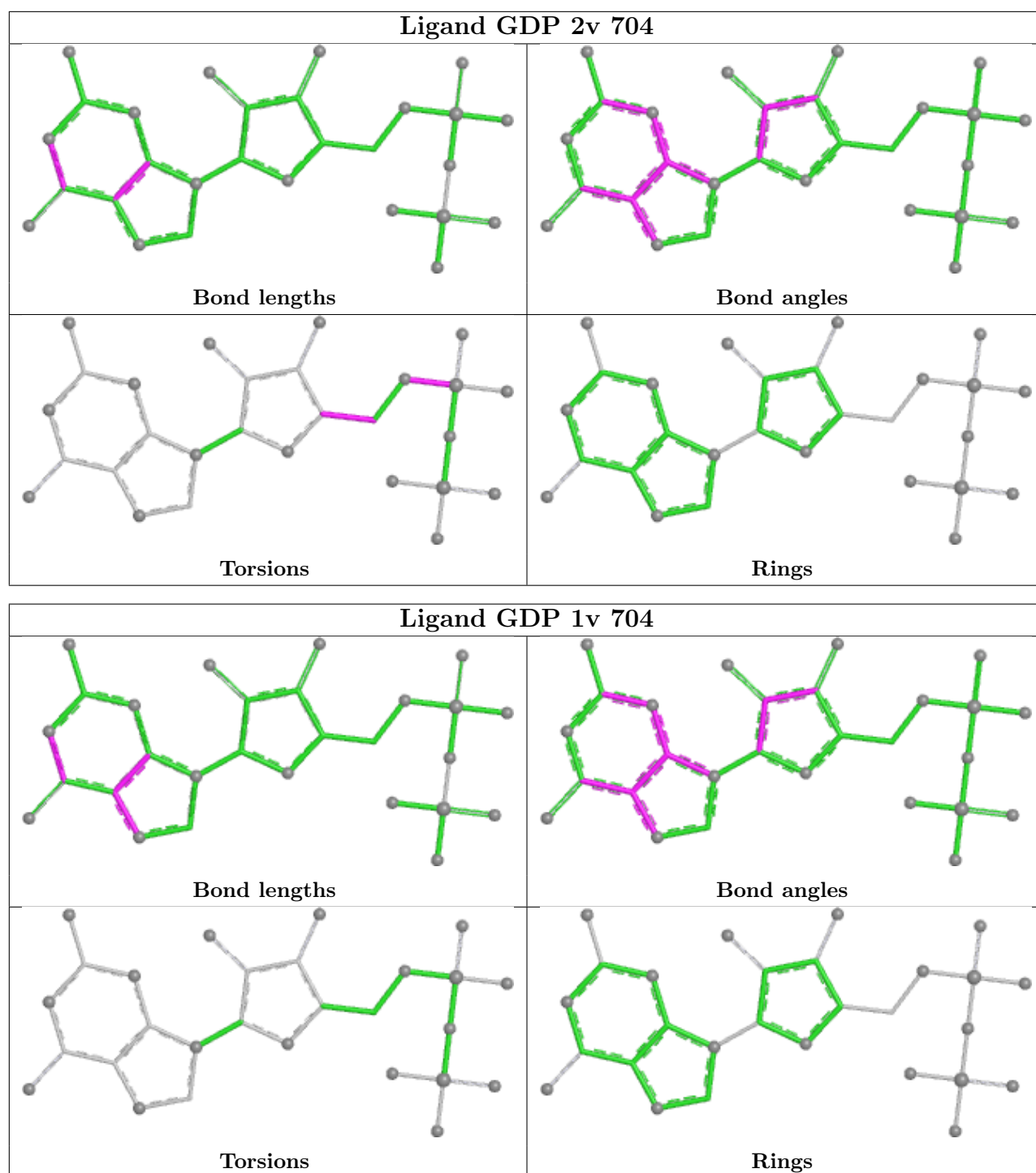
Mol	Chain	Res	Type	Atoms
59	2v	704	GDP	C5'-O5'-PA-O3A
59	2v	704	GDP	C5'-O5'-PA-O1A
59	2v	704	GDP	O4'-C4'-C5'-O5'
59	2v	704	GDP	C3'-C4'-C5'-O5'
59	2v	704	GDP	C5'-O5'-PA-O2A

There are no ring outliers.

4 monomers are involved in 8 short contacts:

Mol	Chain	Res	Type	Clashes	Symm-Clashes
58	2d	303	SF4	1	0
59	2v	704	GDP	2	0
58	1d	304	SF4	2	0
59	1v	704	GDP	3	0

The following is a two-dimensional graphical depiction of Mogul quality analysis of bond lengths, bond angles, torsion angles, and ring geometry for all instances of the Ligand of Interest. In addition, ligands with molecular weight > 250 and outliers as shown on the validation Tables will also be included. For torsion angles, if less than 5% of the Mogul distribution of torsion angles is within 10 degrees of the torsion angle in question, then that torsion angle is considered an outlier. Any bond that is central to one or more torsion angles identified as an outlier by Mogul will be highlighted in the graph. For rings, the root-mean-square deviation (RMSD) between the ring in question and similar rings identified by Mogul is calculated over all ring torsion angles. If the average RMSD is greater than 60 degrees and the minimal RMSD between the ring in question and any Mogul-identified rings is also greater than 60 degrees, then that ring is considered an outlier. The outliers are highlighted in purple. The color gray indicates Mogul did not find sufficient equivalents in the CSD to analyse the geometry.



5.7 Other polymers [i](#)

There are no such residues in this entry.

5.8 Polymer linkage issues [i](#)

There are no chain breaks in this entry.

6 Fit of model and data ⓘ

6.1 Protein, DNA and RNA chains ⓘ

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

Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
1	1A	2860/2915 (98%)	-0.46	13 (0%) 87 68	54, 75, 190, 283	0
1	2A	2789/2915 (95%)	-0.23	14 (0%) 87 68	84, 119, 191, 306	0
2	1B	120/121 (99%)	-0.56	0 100 100	71, 95, 113, 126	0
2	2B	120/121 (99%)	-0.07	0 100 100	132, 165, 184, 198	0
3	1D	275/276 (99%)	-0.08	1 (0%) 88 72	62, 80, 92, 98	0
3	2D	275/276 (99%)	0.13	9 (3%) 49 28	89, 102, 117, 121	0
4	1E	204/206 (99%)	-0.14	2 (0%) 79 56	60, 81, 94, 100	0
4	2E	204/206 (99%)	0.07	2 (0%) 79 56	96, 125, 137, 142	0
5	1F	203/210 (96%)	-0.21	2 (0%) 79 56	55, 82, 100, 109	0
5	2F	203/210 (96%)	0.01	1 (0%) 87 68	94, 141, 155, 160	0
6	1G	181/182 (99%)	-0.01	1 (0%) 85 65	105, 135, 158, 175	0
6	2G	181/182 (99%)	0.19	1 (0%) 85 65	175, 205, 219, 227	0
7	1H	174/180 (96%)	-0.24	0 100 100	80, 88, 97, 101	0
7	2H	174/180 (96%)	-0.07	1 (0%) 85 65	150, 166, 181, 184	0
8	1N	140/140 (100%)	-0.08	1 (0%) 84 63	64, 73, 84, 90	0
8	2N	140/140 (100%)	0.09	1 (0%) 84 63	113, 128, 139, 141	0
9	1O	122/122 (100%)	-0.16	0 100 100	74, 85, 96, 100	0
9	2O	122/122 (100%)	0.07	1 (0%) 82 60	108, 121, 131, 132	0
10	1P	149/150 (99%)	-0.11	1 (0%) 84 63	55, 82, 104, 111	0
10	2P	149/150 (99%)	0.05	3 (2%) 65 39	102, 134, 149, 151	0
11	1Q	141/141 (100%)	-0.08	0 100 100	64, 79, 89, 101	0
11	2Q	141/141 (100%)	0.22	2 (1%) 73 48	108, 134, 150, 153	0
12	1R	118/118 (100%)	-0.07	1 (0%) 82 60	64, 72, 81, 84	0
12	2R	118/118 (100%)	0.30	3 (2%) 58 35	96, 112, 122, 126	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
13	1S	110/112 (98%)	-0.17	0 100 100	83, 90, 97, 100	0
13	2S	110/112 (98%)	0.22	4 (3%) 46 25	147, 159, 166, 168	0
14	1T	131/146 (89%)	-0.07	2 (1%) 72 47	79, 89, 111, 118	0
14	2T	131/146 (89%)	0.00	1 (0%) 82 60	120, 128, 143, 148	0
15	1U	116/118 (98%)	-0.17	0 100 100	58, 65, 73, 75	0
15	2U	116/118 (98%)	0.16	4 (3%) 48 27	105, 125, 137, 139	0
16	1V	101/101 (100%)	-0.29	0 100 100	55, 74, 81, 83	0
16	2V	101/101 (100%)	-0.04	4 (3%) 42 23	106, 138, 144, 148	0
17	1W	112/113 (99%)	-0.09	0 100 100	60, 65, 81, 91	0
17	2W	112/113 (99%)	-0.05	0 100 100	88, 99, 107, 117	0
18	1X	95/96 (98%)	-0.09	1 (1%) 78 54	71, 76, 84, 88	0
18	2X	95/96 (98%)	0.13	0 100 100	102, 110, 118, 129	0
19	1Y	107/110 (97%)	-0.18	1 (0%) 81 58	78, 83, 90, 101	0
19	2Y	107/110 (97%)	0.23	3 (2%) 55 32	118, 137, 145, 147	0
20	1Z	204/206 (99%)	-0.25	1 (0%) 87 68	83, 99, 113, 123	0
20	2Z	204/206 (99%)	-0.01	1 (0%) 87 68	127, 157, 174, 179	0
21	10	75/85 (88%)	-0.19	0 100 100	68, 74, 81, 85	0
21	20	75/85 (88%)	0.26	2 (2%) 56 33	118, 129, 139, 144	0
22	11	97/98 (98%)	0.10	1 (1%) 79 56	67, 82, 107, 111	0
22	21	97/98 (98%)	0.49	3 (3%) 51 29	106, 124, 149, 156	0
23	12	70/72 (97%)	-0.02	0 100 100	82, 87, 97, 104	0
23	22	70/72 (97%)	-0.02	3 (4%) 40 21	119, 132, 140, 141	0
24	13	59/60 (98%)	-0.15	0 100 100	63, 71, 83, 90	0
24	23	59/60 (98%)	0.24	1 (1%) 69 43	122, 130, 133, 135	0
25	14	69/71 (97%)	-0.27	0 100 100	123, 162, 237, 238	0
25	24	69/71 (97%)	0.02	0 100 100	195, 221, 254, 255	0
26	15	59/60 (98%)	-0.18	1 (1%) 69 43	57, 73, 77, 79	0
26	25	59/60 (98%)	-0.17	1 (1%) 69 43	92, 114, 120, 121	0
27	16	53/54 (98%)	-0.18	0 100 100	74, 80, 83, 85	0
27	26	53/54 (98%)	0.02	1 (1%) 66 41	123, 130, 134, 147	0
28	17	48/49 (97%)	0.06	0 100 100	60, 63, 71, 73	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
28	27	48/49 (97%)	0.29	0 100 100	85, 96, 100, 101	0
29	18	64/65 (98%)	0.20	0 100 100	63, 70, 76, 78	0
29	28	64/65 (98%)	0.64	4 (6%) 26 15	114, 119, 128, 133	0
30	19	37/37 (100%)	0.09	0 100 100	77, 79, 81, 83	0
30	29	37/37 (100%)	0.99	8 (21%) 2 3	133, 141, 149, 152	0
31	1a	1487/1521 (97%)	-0.20	6 (0%) 88 72	90, 142, 235, 306	0
31	2a	1491/1521 (98%)	0.01	11 (0%) 84 63	117, 163, 259, 294	0
32	1b	231/256 (90%)	-0.09	3 (1%) 75 50	157, 172, 189, 196	0
32	2b	231/256 (90%)	0.02	2 (0%) 81 58	185, 199, 223, 234	0
33	1c	206/239 (86%)	-0.05	2 (0%) 79 56	185, 200, 218, 220	0
33	2c	206/239 (86%)	0.16	4 (1%) 66 41	216, 231, 246, 248	0
34	1d	208/209 (99%)	0.19	7 (3%) 48 27	137, 149, 154, 155	0
34	2d	208/209 (99%)	0.26	8 (3%) 44 24	140, 164, 167, 169	0
35	1e	148/162 (91%)	-0.04	0 100 100	127, 141, 148, 153	0
35	2e	148/162 (91%)	0.17	5 (3%) 48 27	157, 171, 185, 190	0
36	1f	100/101 (99%)	-0.38	0 100 100	132, 138, 147, 153	0
36	2f	100/101 (99%)	-0.16	0 100 100	143, 148, 155, 160	0
37	1g	155/156 (99%)	0.12	2 (1%) 75 50	175, 205, 212, 215	0
37	2g	155/156 (99%)	0.26	3 (1%) 66 41	201, 227, 234, 238	0
38	1h	137/138 (99%)	0.08	2 (1%) 72 47	125, 138, 147, 157	0
38	2h	137/138 (99%)	0.32	6 (4%) 39 21	153, 163, 173, 185	0
39	1i	127/128 (99%)	0.56	14 (11%) 10 7	182, 221, 226, 229	0
39	2i	127/128 (99%)	0.68	13 (10%) 12 8	213, 246, 251, 252	0
40	1j	97/105 (92%)	0.50	7 (7%) 21 14	199, 222, 226, 227	0
40	2j	96/105 (91%)	0.34	5 (5%) 33 19	229, 244, 251, 252	0
41	1k	114/129 (88%)	-0.22	3 (2%) 57 33	116, 144, 150, 157	0
41	2k	114/129 (88%)	0.01	2 (1%) 67 42	134, 161, 170, 176	0
42	1l	121/132 (91%)	0.36	6 (4%) 34 19	116, 130, 138, 140	0
42	2l	121/132 (91%)	0.52	4 (3%) 49 28	144, 153, 162, 166	0
43	1m	118/126 (93%)	0.30	7 (5%) 28 16	201, 226, 227, 229	0
43	2m	122/126 (96%)	0.17	3 (2%) 58 35	222, 242, 245, 247	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
44	1n	60/61 (98%)	0.54	3 (5%) 34 19	207, 215, 227, 228	0
44	2n	60/61 (98%)	0.54	2 (3%) 49 28	234, 239, 249, 250	0
45	1o	88/89 (98%)	-0.08	0 100 100	116, 128, 133, 135	0
45	2o	88/89 (98%)	0.15	5 (5%) 29 17	136, 148, 153, 154	0
46	1p	82/88 (93%)	0.26	1 (1%) 76 52	135, 146, 154, 159	0
46	2p	82/88 (93%)	0.56	2 (2%) 59 35	152, 160, 168, 176	0
47	1q	99/105 (94%)	0.20	2 (2%) 65 39	116, 125, 131, 134	0
47	2q	99/105 (94%)	0.31	7 (7%) 22 14	138, 151, 155, 156	0
48	1r	68/88 (77%)	-0.40	0 100 100	133, 139, 143, 147	0
48	2r	68/88 (77%)	-0.09	1 (1%) 72 47	147, 154, 159, 160	0
49	1s	83/93 (89%)	0.49	5 (6%) 27 16	213, 234, 238, 239	0
49	2s	83/93 (89%)	0.58	6 (7%) 21 14	235, 252, 255, 255	0
50	1t	96/106 (90%)	0.66	11 (11%) 9 6	136, 144, 148, 149	0
50	2t	96/106 (90%)	0.89	16 (16%) 4 4	152, 157, 163, 165	0
51	1u	23/27 (85%)	1.21	5 (21%) 2 3	217, 220, 226, 227	0
51	2u	23/27 (85%)	2.21	10 (43%) 0 1	239, 242, 244, 244	0
52	1v	728/758 (96%)	-0.08	9 (1%) 76 52	30, 144, 211, 217	0
52	2v	728/758 (96%)	0.07	7 (0%) 79 56	30, 197, 259, 264	0
53	1w	185/185 (100%)	-0.17	1 (0%) 87 68	87, 118, 158, 166	0
53	2w	185/185 (100%)	0.03	1 (0%) 87 68	123, 157, 206, 217	0
54	1x	67/76 (88%)	0.08	0 100 100	91, 195, 204, 206	0
54	1y	67/76 (88%)	-0.18	1 (1%) 72 47	74, 212, 238, 247	0
54	2x	67/76 (88%)	0.40	6 (8%) 15 10	124, 232, 243, 245	0
54	2y	67/76 (88%)	0.47	2 (2%) 52 30	118, 252, 277, 282	0
55	1z	10/21 (47%)	0.67	0 100 100	150, 157, 164, 164	0
55	2z	10/21 (47%)	1.03	1 (10%) 12 8	181, 185, 203, 204	0
All	All	22334/23178 (96%)	-0.06	336 (1%) 72 47	30, 134, 241, 306	0

The worst 5 of 336 RSRZ outliers are listed below:

Mol	Chain	Res	Type	RSRZ
51	2u	2	GLY	8.5
22	11	2	SER	8.2

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Mol	Chain	Res	Type	RSRZ
40	1j	62	HIS	6.8
51	2u	16	GLY	6.3
22	21	2	SER	6.1

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	5MU	2x	54	21/22	0.00	0.12	237,237,237,237	0
54	7MG	1x	46	24/25	0.28	0.13	203,203,203,203	0
54	7MG	2x	46	24/25	0.33	0.10	241,241,241,241	0
54	5MU	2y	54	21/22	0.36	0.11	276,276,276,276	0
54	PSU	2x	55	20/21	0.38	0.10	240,240,240,240	0
54	PSU	2y	32	20/21	0.40	0.12	220,220,220,220	0
54	5MU	1y	54	21/22	0.48	0.08	236,236,236,236	0
54	7MG	2y	46	24/25	0.52	0.09	261,261,261,261	0
54	MIA	2y	37	22/30	0.54	0.15	208,208,208,208	0
54	PSU	2y	55	20/21	0.54	0.09	279,279,279,279	0
54	PSU	1y	32	20/21	0.55	0.12	188,188,188,188	0
31	5MC	2a	967	21/22	0.58	0.12	216,216,216,216	0
54	PSU	2x	32	20/21	0.60	0.12	214,214,214,214	0
54	MIA	1y	37	22/30	0.62	0.12	175,175,175,175	0
54	4SU	2y	8	20/21	0.66	0.08	259,259,259,259	0
54	7MG	1y	46	24/25	0.67	0.09	222,222,222,222	0
54	PSU	2y	39	20/21	0.67	0.11	212,212,212,212	0
54	4SU	1x	8	20/21	0.68	0.08	199,199,199,199	0
54	PSU	1x	55	20/21	0.69	0.09	194,194,194,194	0
1	5MU	1A	1915	21/22	0.69	0.10	142,142,142,142	0
1	5MU	2A	1915	21/22	0.69	0.08	169,169,169,169	0
1	PSU	2A	1911	20/21	0.70	0.09	158,158,158,158	0
54	5MU	1x	54	21/22	0.70	0.09	193,193,193,193	0
54	MIA	1x	37	22/30	0.72	0.14	163,163,163,163	0
31	2MG	2a	1207	24/25	0.74	0.10	232,232,232,232	0
54	PSU	2x	39	20/21	0.74	0.14	204,204,204,204	0
54	4SU	2x	8	20/21	0.75	0.07	239,239,239,239	0
1	PSU	1A	1917	20/21	0.76	0.09	138,138,138,138	0
54	PSU	1y	55	20/21	0.76	0.06	240,240,240,240	0
31	PSU	1a	516	20/21	0.77	0.08	144,144,144,144	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
54	MIA	2x	37	22/30	0.78	0.11	192,192,192,192	0
54	PSU	1x	32	20/21	0.78	0.10	184,184,184,184	0
1	PSU	1A	1911	20/21	0.78	0.11	130,130,130,130	0
1	PSU	2A	1917	20/21	0.78	0.07	164,164,164,164	0
54	PSU	1x	39	20/21	0.80	0.08	173,173,173,173	0
54	4SU	1y	8	20/21	0.81	0.07	217,217,217,217	0
31	2MG	1a	1207	24/25	0.81	0.09	209,209,209,209	0
31	M2G	2a	966	25/26	0.82	0.14	211,211,211,211	0
54	PSU	1y	39	20/21	0.83	0.07	177,177,177,177	0
31	5MC	2a	1407	21/22	0.83	0.13	157,157,157,157	0
31	PSU	2a	516	20/21	0.83	0.07	166,166,166,166	0
31	5MC	1a	1407	21/22	0.84	0.15	129,129,129,129	0
31	UR3	2a	1498	21/22	0.86	0.11	158,158,158,158	0
1	5MU	1A	1939	21/22	0.89	0.12	74,74,74,74	0
1	5MC	2A	1962	21/22	0.89	0.09	112,112,112,112	0
1	OMC	1A	1920	21/22	0.89	0.09	126,126,126,126	0
1	2MA	1A	2503	23/24	0.90	0.17	58,58,58,58	0
31	5MC	2a	1400	21/22	0.90	0.15	182,182,182,182	0
31	4OC	2a	1402	22/23	0.90	0.10	165,165,165,165	0
31	5MC	2a	1404	21/22	0.90	0.12	156,156,156,156	0
1	OMC	2A	1920	21/22	0.90	0.07	153,153,153,153	0
31	M2G	1a	966	25/26	0.91	0.11	184,184,184,184	0
1	OMG	2A	2251	24/25	0.91	0.09	106,106,106,106	0
42	0TD	2l	92	10/11	0.91	0.14	155,155,155,155	0
42	0TD	1l	92	10/11	0.92	0.12	132,132,132,132	0
31	5MC	1a	1400	21/22	0.92	0.10	153,153,153,153	0
31	5MC	1a	967	21/22	0.92	0.10	188,188,188,188	0
1	PSU	2A	2605	20/21	0.93	0.12	95,95,95,95	0
31	UR3	1a	1498	21/22	0.93	0.09	133,133,133,133	0
1	5MC	1A	1962	21/22	0.93	0.08	81,81,81,81	0
31	MA6	2a	1518	24/25	0.93	0.12	149,149,149,149	0
1	PSU	1A	2605	20/21	0.94	0.10	69,69,69,69	0
31	MA6	2a	1519	24/25	0.94	0.12	148,148,148,148	0
31	7MG	1a	527	24/25	0.94	0.09	133,133,133,133	0
1	5MC	2A	1942	21/22	0.94	0.08	112,112,112,112	0
1	2MU	2A	2552	21/23	0.94	0.07	105,105,105,105	0
31	7MG	2a	527	24/25	0.95	0.08	155,155,155,155	0
1	2MA	2A	2503	23/24	0.95	0.13	95,95,95,95	0
1	2MU	1A	2552	21/23	0.95	0.07	71,71,71,71	0
1	5MC	1A	1942	21/22	0.95	0.07	81,81,81,81	0
31	4OC	1a	1402	22/23	0.95	0.10	134,134,134,134	0
1	5MU	2A	1939	21/22	0.95	0.08	101,101,101,101	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
31	5MC	1a	1404	21/22	0.95	0.09	126,126,126,126	0
31	MA6	1a	1519	24/25	0.96	0.10	122,122,122,122	0
1	OMG	1A	2251	24/25	0.96	0.07	62,62,62,62	0
31	MA6	1a	1518	24/25	0.97	0.09	123,123,123,123	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	2i	201	1/1	-0.71	0.23	245,245,245,245	0
56	MG	2a	1767	1/1	-0.67	0.26	276,276,276,276	0
56	MG	2x	108	1/1	-0.66	0.25	245,245,245,245	0
56	MG	2g	203	1/1	-0.64	0.20	214,214,214,214	0
56	MG	1m	201	1/1	-0.61	0.23	216,216,216,216	0
56	MG	2a	1786	1/1	-0.58	0.21	234,234,234,234	0
56	MG	1A	5052	1/1	-0.58	0.18	267,267,267,267	0
56	MG	2a	1766	1/1	-0.57	0.25	261,261,261,261	0
56	MG	2y	108	1/1	-0.57	0.29	245,245,245,245	0
56	MG	2a	1758	1/1	-0.51	0.39	205,205,205,205	0
56	MG	2a	1776	1/1	-0.47	0.33	197,197,197,197	0
56	MG	2v	701	1/1	-0.45	0.25	171,171,171,171	0
56	MG	2y	109	1/1	-0.45	0.25	247,247,247,247	0
56	MG	1a	1684	1/1	-0.43	0.28	202,202,202,202	0
56	MG	2a	1791	1/1	-0.42	0.20	239,239,239,239	0
56	MG	2a	1770	1/1	-0.39	0.19	237,237,237,237	0
56	MG	1a	1844	1/1	-0.37	0.18	270,270,270,270	0
56	MG	2a	1905	1/1	-0.37	0.19	218,218,218,218	0
56	MG	2a	1785	1/1	-0.32	0.21	228,228,228,228	0
56	MG	2a	1801	1/1	-0.32	0.35	215,215,215,215	0
56	MG	1n	101	1/1	-0.32	0.26	207,207,207,207	0
56	MG	2m	202	1/1	-0.31	0.18	230,230,230,230	0
56	MG	2m	201	1/1	-0.29	0.29	166,166,166,166	0
56	MG	2A	3759	1/1	-0.26	0.17	232,232,232,232	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2y	104	1/1	-0.26	0.17	248,248,248,248	0
56	MG	1a	1863	1/1	-0.25	0.44	215,215,215,215	0
56	MG	2a	1765	1/1	-0.25	0.22	250,250,250,250	0
56	MG	1a	1677	1/1	-0.24	0.34	157,157,157,157	0
56	MG	1a	1843	1/1	-0.24	0.20	281,281,281,281	0
56	MG	2A	3573	1/1	-0.24	0.20	282,282,282,282	0
56	MG	2g	202	1/1	-0.22	0.51	185,185,185,185	0
56	MG	1a	1826	1/1	-0.22	0.22	196,196,196,196	0
56	MG	2s	102	1/1	-0.21	0.27	247,247,247,247	0
56	MG	2a	1761	1/1	-0.21	0.29	210,210,210,210	0
56	MG	2a	1684	1/1	-0.21	0.22	161,161,161,161	0
56	MG	2u	101	1/1	-0.20	0.24	221,221,221,221	0
56	MG	2a	1620	1/1	-0.20	0.23	151,151,151,151	0
56	MG	2a	1760	1/1	-0.19	0.23	220,220,220,220	0
56	MG	2A	3597	1/1	-0.17	0.37	120,120,120,120	0
56	MG	2a	1768	1/1	-0.15	0.30	260,260,260,260	0
56	MG	2x	103	1/1	-0.14	0.34	192,192,192,192	0
56	MG	2a	1903	1/1	-0.12	0.19	246,246,246,246	0
56	MG	2A	3246	1/1	-0.11	0.28	153,153,153,153	0
56	MG	2B	214	1/1	-0.08	0.16	145,145,145,145	0
56	MG	2a	1774	1/1	-0.07	0.21	220,220,220,220	0
56	MG	2a	1769	1/1	-0.07	0.19	269,269,269,269	0
56	MG	2y	103	1/1	-0.07	0.27	223,223,223,223	0
56	MG	2a	1669	1/1	-0.06	0.36	140,140,140,140	0
56	MG	2a	1902	1/1	-0.06	0.18	248,248,248,248	0
56	MG	2A	3397	1/1	-0.04	0.19	189,189,189,189	0
56	MG	2A	3675	1/1	-0.04	0.38	123,123,123,123	0
56	MG	2a	1681	1/1	-0.04	0.23	165,165,165,165	0
56	MG	2g	205	1/1	-0.03	0.27	211,211,211,211	0
56	MG	2a	1609	1/1	-0.01	0.60	138,138,138,138	0
56	MG	2A	3250	1/1	-0.01	0.32	158,158,158,158	0
56	MG	2x	104	1/1	-0.00	0.26	219,219,219,219	0
56	MG	2y	106	1/1	0.00	0.14	263,263,263,263	0
56	MG	2a	1657	1/1	-0.00	0.28	138,138,138,138	0
56	MG	2B	203	1/1	-0.00	0.36	131,131,131,131	0
56	MG	2z	103	1/1	-0.00	0.35	179,179,179,179	0
56	MG	1a	1854	1/1	0.01	0.23	229,229,229,229	0
56	MG	1a	1838	1/1	0.02	0.17	231,231,231,231	0
56	MG	1A	5053	1/1	0.02	0.16	275,275,275,275	0
56	MG	2B	218	1/1	0.02	0.16	171,171,171,171	0
56	MG	2a	1688	1/1	0.02	0.25	153,153,153,153	0
56	MG	2i	204	1/1	0.03	0.17	241,241,241,241	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2B	230	1/1	0.03	0.23	151,151,151,151	0
56	MG	1a	1852	1/1	0.03	0.20	224,224,224,224	0
56	MG	2a	1910	1/1	0.04	0.23	240,240,240,240	0
56	MG	2a	1853	1/1	0.04	0.24	269,269,269,269	0
56	MG	1a	1822	1/1	0.04	0.22	215,215,215,215	0
56	MG	1a	1777	1/1	0.04	0.16	128,128,128,128	0
56	MG	1y	106	1/1	0.04	0.19	173,173,173,173	0
56	MG	1a	1832	1/1	0.05	0.28	189,189,189,189	0
56	MG	2a	1602	1/1	0.05	0.30	151,151,151,151	0
56	MG	2A	3831	1/1	0.07	0.36	128,128,128,128	0
56	MG	2a	1622	1/1	0.08	0.25	156,156,156,156	0
56	MG	1a	1805	1/1	0.09	0.31	140,140,140,140	0
56	MG	1a	1859	1/1	0.09	0.18	207,207,207,207	0
56	MG	2g	204	1/1	0.09	0.28	216,216,216,216	0
56	MG	2a	1782	1/1	0.09	0.24	205,205,205,205	0
56	MG	2a	1771	1/1	0.09	0.30	178,178,178,178	0
56	MG	1a	1856	1/1	0.10	0.13	227,227,227,227	0
56	MG	2A	3572	1/1	0.10	0.17	182,182,182,182	0
56	MG	2B	208	1/1	0.10	0.16	135,135,135,135	0
56	MG	2y	110	1/1	0.11	0.18	248,248,248,248	0
56	MG	2B	217	1/1	0.11	0.25	177,177,177,177	0
56	MG	1a	1837	1/1	0.12	0.19	226,226,226,226	0
56	MG	2a	1673	1/1	0.12	0.20	167,167,167,167	0
56	MG	2A	3808	1/1	0.12	0.23	173,173,173,173	0
56	MG	2l	201	1/1	0.13	0.42	132,132,132,132	0
56	MG	2B	224	1/1	0.13	0.25	128,128,128,128	0
56	MG	2A	3531	1/1	0.14	0.25	138,138,138,138	0
56	MG	1a	1634	1/1	0.14	0.41	117,117,117,117	0
56	MG	1a	1688	1/1	0.14	0.39	131,131,131,131	0
56	MG	2a	1716	1/1	0.15	0.37	135,135,135,135	0
56	MG	2a	1783	1/1	0.16	0.20	174,174,174,174	0
56	MG	2a	1629	1/1	0.16	0.15	187,187,187,187	0
56	MG	2A	3642	1/1	0.16	0.25	132,132,132,132	0
56	MG	1a	1829	1/1	0.16	0.22	194,194,194,194	0
56	MG	1a	1681	1/1	0.17	0.29	158,158,158,158	0
56	MG	2a	1734	1/1	0.17	0.41	127,127,127,127	0
56	MG	2a	1838	1/1	0.17	0.13	244,244,244,244	0
56	MG	2a	1824	1/1	0.18	0.21	158,158,158,158	0
56	MG	2y	101	1/1	0.18	0.31	154,154,154,154	0
56	MG	2a	1921	1/1	0.18	0.19	152,152,152,152	0
56	MG	1a	1678	1/1	0.18	0.21	162,162,162,162	0
56	MG	2a	1754	1/1	0.18	0.30	148,148,148,148	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3252	1/1	0.18	0.24	127,127,127,127	0
56	MG	2B	212	1/1	0.18	0.32	156,156,156,156	0
56	MG	2A	3591	1/1	0.18	0.18	191,191,191,191	0
56	MG	2a	1906	1/1	0.18	0.16	240,240,240,240	0
56	MG	2B	232	1/1	0.19	0.31	144,144,144,144	0
56	MG	2a	1675	1/1	0.19	0.21	166,166,166,166	0
56	MG	2a	1625	1/1	0.19	0.20	148,148,148,148	0
56	MG	2a	1828	1/1	0.19	0.20	163,163,163,163	0
56	MG	2A	3043	1/1	0.19	0.23	113,113,113,113	0
56	MG	2B	216	1/1	0.19	0.27	174,174,174,174	0
56	MG	1a	1828	1/1	0.19	0.25	175,175,175,175	0
56	MG	2a	1709	1/1	0.20	0.24	156,156,156,156	0
56	MG	2A	3815	1/1	0.20	0.24	136,136,136,136	0
56	MG	2a	1663	1/1	0.20	0.48	143,143,143,143	0
56	MG	2u	103	1/1	0.20	0.41	238,238,238,238	0
56	MG	2A	3071	1/1	0.20	0.50	129,129,129,129	0
56	MG	1a	1827	1/1	0.20	0.25	190,190,190,190	0
56	MG	2a	1789	1/1	0.20	0.17	233,233,233,233	0
56	MG	2a	1875	1/1	0.20	0.16	154,154,154,154	0
56	MG	2A	3421	1/1	0.21	0.28	146,146,146,146	0
56	MG	1a	1849	1/1	0.21	0.22	149,149,149,149	0
56	MG	2a	1722	1/1	0.21	0.28	141,141,141,141	0
56	MG	2A	3133	1/1	0.21	0.20	143,143,143,143	0
56	MG	1a	1845	1/1	0.21	0.13	234,234,234,234	0
56	MG	2a	1700	1/1	0.21	0.28	140,140,140,140	0
56	MG	2a	1822	1/1	0.21	0.21	167,167,167,167	0
56	MG	2a	1654	1/1	0.22	0.31	132,132,132,132	0
56	MG	1a	1910	1/1	0.22	0.28	127,127,127,127	0
56	MG	1a	1809	1/1	0.22	0.22	127,127,127,127	0
56	MG	2A	3423	1/1	0.22	0.28	130,130,130,130	0
56	MG	1a	1884	1/1	0.22	0.38	122,122,122,122	0
56	MG	2a	1628	1/1	0.22	0.28	161,161,161,161	0
56	MG	2A	3130	1/1	0.22	0.27	136,136,136,136	0
56	MG	2a	1745	1/1	0.23	0.26	162,162,162,162	0
56	MG	2a	1844	1/1	0.23	0.24	238,238,238,238	0
56	MG	2a	1846	1/1	0.23	0.29	225,225,225,225	0
56	MG	2a	1763	1/1	0.23	0.14	240,240,240,240	0
56	MG	2A	3590	1/1	0.23	0.14	171,171,171,171	0
56	MG	2A	3105	1/1	0.24	0.26	155,155,155,155	0
56	MG	1a	1733	1/1	0.25	0.19	149,149,149,149	0
56	MG	1a	1860	1/1	0.25	0.15	214,214,214,214	0
56	MG	2a	1649	1/1	0.25	0.36	143,143,143,143	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1s	103	1/1	0.25	0.23	203,203,203,203	0
56	MG	1a	1739	1/1	0.25	0.22	144,144,144,144	0
56	MG	1a	1648	1/1	0.25	0.26	135,135,135,135	0
56	MG	1a	1732	1/1	0.25	0.24	144,144,144,144	0
56	MG	2A	3836	1/1	0.26	0.18	205,205,205,205	0
56	MG	1A	4199	1/1	0.26	0.12	218,218,218,218	0
56	MG	2A	3403	1/1	0.26	0.17	219,219,219,219	0
56	MG	2f	301	1/1	0.26	0.26	138,138,138,138	0
56	MG	2A	3517	1/1	0.27	0.26	132,132,132,132	0
56	MG	1a	1738	1/1	0.27	0.26	148,148,148,148	0
56	MG	2a	1678	1/1	0.27	0.22	167,167,167,167	0
56	MG	2a	1884	1/1	0.28	0.25	168,168,168,168	0
56	MG	2A	3096	1/1	0.28	0.51	98,98,98,98	0
56	MG	1a	1868	1/1	0.28	0.26	214,214,214,214	0
56	MG	2A	3113	1/1	0.28	0.23	140,140,140,140	0
56	MG	2a	1735	1/1	0.28	0.40	132,132,132,132	0
56	MG	2a	1778	1/1	0.28	0.24	162,162,162,162	0
56	MG	2a	1781	1/1	0.28	0.14	230,230,230,230	0
56	MG	1a	1914	1/1	0.28	0.17	193,193,193,193	0
56	MG	2A	3424	1/1	0.29	0.42	142,142,142,142	0
56	MG	2B	201	1/1	0.29	0.35	115,115,115,115	0
56	MG	23	103	1/1	0.29	0.30	112,112,112,112	0
56	MG	2a	1742	1/1	0.29	0.32	148,148,148,148	0
56	MG	2a	1650	1/1	0.30	0.43	136,136,136,136	0
56	MG	1a	1835	1/1	0.30	0.17	221,221,221,221	0
56	MG	1A	4312	1/1	0.30	0.37	115,115,115,115	0
56	MG	2a	1695	1/1	0.30	0.28	146,146,146,146	0
56	MG	2a	1887	1/1	0.30	0.23	134,134,134,134	0
56	MG	2A	3576	1/1	0.30	0.24	151,151,151,151	0
56	MG	2a	1608	1/1	0.31	0.43	135,135,135,135	0
56	MG	2a	1794	1/1	0.31	0.15	168,168,168,168	0
56	MG	2A	3610	1/1	0.32	0.41	114,114,114,114	0
56	MG	2a	1863	1/1	0.32	0.26	162,162,162,162	0
56	MG	2A	3640	1/1	0.32	0.29	127,127,127,127	0
56	MG	2A	3098	1/1	0.32	0.16	159,159,159,159	0
56	MG	1a	1644	1/1	0.32	0.46	120,120,120,120	0
56	MG	1a	1820	1/1	0.32	0.32	205,205,205,205	0
56	MG	2a	1845	1/1	0.33	0.24	229,229,229,229	0
56	MG	1u	101	1/1	0.33	0.34	211,211,211,211	0
56	MG	2a	1756	1/1	0.33	0.22	205,205,205,205	0
56	MG	2a	1607	1/1	0.33	0.41	142,142,142,142	0
56	MG	2a	1909	1/1	0.33	0.37	225,225,225,225	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2a	1868	1/1	0.33	0.12	144,144,144,144	0
56	MG	2a	1873	1/1	0.33	0.17	157,157,157,157	0
56	MG	2A	3247	1/1	0.33	0.32	113,113,113,113	0
56	MG	2g	201	1/1	0.33	0.18	229,229,229,229	0
56	MG	1a	1819	1/1	0.33	0.34	204,204,204,204	0
56	MG	2A	3624	1/1	0.33	0.29	156,156,156,156	0
56	MG	2A	3390	1/1	0.34	0.32	116,116,116,116	0
56	MG	1a	1637	1/1	0.34	0.29	119,119,119,119	0
56	MG	1a	1734	1/1	0.34	0.25	147,147,147,147	0
56	MG	2a	1680	1/1	0.34	0.21	162,162,162,162	0
56	MG	2a	1879	1/1	0.34	0.21	150,150,150,150	0
56	MG	1a	1740	1/1	0.34	0.17	151,151,151,151	0
56	MG	2A	3351	1/1	0.34	0.30	146,146,146,146	0
56	MG	2a	1647	1/1	0.34	0.31	139,139,139,139	0
56	MG	1A	4536	1/1	0.35	0.29	115,115,115,115	0
56	MG	2a	1662	1/1	0.35	0.22	150,150,150,150	0
56	MG	2p	103	1/1	0.35	0.20	152,152,152,152	0
56	MG	2a	1798	1/1	0.35	0.21	239,239,239,239	0
56	MG	1a	1735	1/1	0.35	0.26	150,150,150,150	0
56	MG	2a	1737	1/1	0.35	0.35	132,132,132,132	0
56	MG	2a	1696	1/1	0.36	0.20	161,161,161,161	0
56	MG	2a	1775	1/1	0.36	0.19	208,208,208,208	0
56	MG	2A	3673	1/1	0.36	0.30	133,133,133,133	0
56	MG	2a	1702	1/1	0.36	0.23	156,156,156,156	0
56	MG	1a	1640	1/1	0.36	0.38	115,115,115,115	0
56	MG	1A	4516	1/1	0.36	0.26	118,118,118,118	0
56	MG	1a	1803	1/1	0.36	0.35	125,125,125,125	0
56	MG	1a	1782	1/1	0.37	0.29	127,127,127,127	0
56	MG	2A	3800	1/1	0.37	0.25	151,151,151,151	0
56	MG	2a	1913	1/1	0.37	0.15	246,246,246,246	0
56	MG	2A	3574	1/1	0.37	0.24	253,253,253,253	0
56	MG	2d	301	1/1	0.37	0.25	147,147,147,147	0
56	MG	2q	201	1/1	0.37	0.23	124,124,124,124	0
56	MG	1a	1730	1/1	0.37	0.34	162,162,162,162	0
56	MG	2A	3388	1/1	0.38	0.26	117,117,117,117	0
56	MG	1a	1685	1/1	0.38	0.20	173,173,173,173	0
56	MG	1a	1670	1/1	0.38	0.35	137,137,137,137	0
56	MG	2a	1732	1/1	0.38	0.31	110,110,110,110	0
56	MG	2a	1812	1/1	0.38	0.28	126,126,126,126	0
56	MG	1a	1765	1/1	0.38	0.24	125,125,125,125	0
56	MG	2a	1637	1/1	0.38	0.15	146,146,146,146	0
56	MG	2A	3067	1/1	0.38	0.39	123,123,123,123	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2a	1912	1/1	0.38	0.21	137,137,137,137	0
56	MG	2a	1705	1/1	0.38	0.16	150,150,150,150	0
56	MG	2a	1729	1/1	0.39	0.23	124,124,124,124	0
56	MG	1b	305	1/1	0.39	0.10	166,166,166,166	0
56	MG	2A	3502	1/1	0.39	0.34	104,104,104,104	0
56	MG	2A	3689	1/1	0.39	0.23	161,161,161,161	0
56	MG	2a	1626	1/1	0.39	0.19	157,157,157,157	0
56	MG	2a	1918	1/1	0.39	0.29	138,138,138,138	0
56	MG	2B	221	1/1	0.39	0.43	122,122,122,122	0
56	MG	1a	1906	1/1	0.39	0.25	121,121,121,121	0
56	MG	2a	1713	1/1	0.39	0.26	143,143,143,143	0
56	MG	2A	3764	1/1	0.39	0.35	151,151,151,151	0
56	MG	2a	1664	1/1	0.39	0.57	150,150,150,150	0
56	MG	2a	1773	1/1	0.39	0.19	228,228,228,228	0
56	MG	2a	1797	1/1	0.40	0.13	238,238,238,238	0
56	MG	1a	1909	1/1	0.40	0.17	136,136,136,136	0
56	MG	2B	204	1/1	0.40	0.28	130,130,130,130	0
56	MG	2e	202	1/1	0.40	0.38	153,153,153,153	0
56	MG	2A	3762	1/1	0.41	0.35	124,124,124,124	0
56	MG	2g	206	1/1	0.41	0.17	216,216,216,216	0
56	MG	2A	3251	1/1	0.41	0.17	123,123,123,123	0
56	MG	2A	3398	1/1	0.41	0.15	155,155,155,155	0
56	MG	2B	207	1/1	0.41	0.22	161,161,161,161	0
56	MG	1a	1823	1/1	0.41	0.38	211,211,211,211	0
56	MG	1a	1708	1/1	0.41	0.24	108,108,108,108	0
56	MG	2a	1691	1/1	0.41	0.28	139,139,139,139	0
56	MG	2A	3248	1/1	0.41	0.24	123,123,123,123	0
56	MG	2A	3832	1/1	0.41	0.35	121,121,121,121	0
56	MG	2a	1764	1/1	0.41	0.14	270,270,270,270	0
56	MG	2A	3201	1/1	0.41	0.37	115,115,115,115	0
56	MG	2p	102	1/1	0.42	0.29	148,148,148,148	0
56	MG	2A	3613	1/1	0.42	0.25	122,122,122,122	0
56	MG	2a	1614	1/1	0.42	0.20	165,165,165,165	0
56	MG	1A	5057	1/1	0.42	0.11	170,170,170,170	0
56	MG	2a	1621	1/1	0.42	0.15	162,162,162,162	0
56	MG	2a	1780	1/1	0.42	0.29	211,211,211,211	0
56	MG	1A	5054	1/1	0.42	0.22	142,142,142,142	0
56	MG	2a	1698	1/1	0.42	0.36	118,118,118,118	0
56	MG	2A	3676	1/1	0.42	0.37	125,125,125,125	0
56	MG	2a	1706	1/1	0.43	0.20	150,150,150,150	0
56	MG	1a	1895	1/1	0.43	0.20	121,121,121,121	0
56	MG	2A	3692	1/1	0.43	0.21	133,133,133,133	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2B	223	1/1	0.43	0.21	129,129,129,129	0
56	MG	2a	1653	1/1	0.43	0.37	141,141,141,141	0
56	MG	1a	1669	1/1	0.43	0.35	124,124,124,124	0
56	MG	2a	1703	1/1	0.43	0.20	157,157,157,157	0
56	MG	1a	1831	1/1	0.43	0.45	152,152,152,152	0
56	MG	2a	1877	1/1	0.43	0.17	151,151,151,151	0
56	MG	1a	1647	1/1	0.44	0.49	118,118,118,118	0
56	MG	2a	1899	1/1	0.44	0.19	125,125,125,125	0
56	MG	2A	3754	1/1	0.44	0.28	121,121,121,121	0
56	MG	1a	1802	1/1	0.44	0.19	142,142,142,142	0
56	MG	2A	3533	1/1	0.44	0.32	124,124,124,124	0
56	MG	2a	1636	1/1	0.44	0.19	150,150,150,150	0
56	MG	2A	3142	1/1	0.44	0.28	102,102,102,102	0
56	MG	2A	3783	1/1	0.44	0.16	139,139,139,139	0
56	MG	1A	4890	1/1	0.44	0.36	114,114,114,114	0
56	MG	1A	5051	1/1	0.44	0.12	192,192,192,192	0
56	MG	2A	3615	1/1	0.44	0.28	138,138,138,138	0
56	MG	2d	304	1/1	0.45	0.23	161,161,161,161	0
56	MG	1A	4682	1/1	0.45	0.40	116,116,116,116	0
56	MG	1a	1639	1/1	0.45	0.31	112,112,112,112	0
56	MG	1a	1662	1/1	0.45	0.48	123,123,123,123	0
56	MG	2A	3094	1/1	0.45	0.27	113,113,113,113	0
56	MG	2A	3416	1/1	0.45	0.23	114,114,114,114	0
56	MG	2b	303	1/1	0.45	0.17	185,185,185,185	0
56	MG	2z	101	1/1	0.45	0.33	177,177,177,177	0
56	MG	2A	3028	1/1	0.45	0.26	133,133,133,133	0
56	MG	1i	201	1/1	0.46	0.23	212,212,212,212	0
56	MG	2a	1687	1/1	0.46	0.24	162,162,162,162	0
56	MG	1a	1899	1/1	0.46	0.14	149,149,149,149	0
56	MG	2a	1674	1/1	0.46	0.41	127,127,127,127	0
56	MG	2A	3111	1/1	0.46	0.19	137,137,137,137	0
56	MG	2a	1746	1/1	0.46	0.43	120,120,120,120	0
56	MG	2A	3719	1/1	0.46	0.23	134,134,134,134	0
56	MG	2A	3198	1/1	0.46	0.53	100,100,100,100	0
56	MG	1A	4518	1/1	0.46	0.20	122,122,122,122	0
56	MG	2a	1683	1/1	0.46	0.26	158,158,158,158	0
56	MG	1a	1671	1/1	0.47	0.37	139,139,139,139	0
56	MG	2a	1659	1/1	0.47	0.25	117,117,117,117	0
56	MG	2l	205	1/1	0.47	0.19	148,148,148,148	0
56	MG	1a	1645	1/1	0.47	0.20	127,127,127,127	0
56	MG	2a	1908	1/1	0.47	0.19	230,230,230,230	0
56	MG	2A	3718	1/1	0.47	0.22	129,129,129,129	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2Z	401	1/1	0.47	0.20	142,142,142,142	0
56	MG	2A	3428	1/1	0.47	0.12	166,166,166,166	0
56	MG	2A	3536	1/1	0.47	0.21	123,123,123,123	0
56	MG	2A	3755	1/1	0.47	0.21	130,130,130,130	0
56	MG	2a	1712	1/1	0.47	0.18	148,148,148,148	0
56	MG	1B	206	1/1	0.47	0.24	71,71,71,71	0
56	MG	2A	3245	1/1	0.48	0.23	111,111,111,111	0
56	MG	1a	1682	1/1	0.48	0.09	197,197,197,197	0
56	MG	2a	1718	1/1	0.48	0.25	136,136,136,136	0
56	MG	2A	3828	1/1	0.48	0.24	126,126,126,126	0
56	MG	2A	3486	1/1	0.48	0.20	141,141,141,141	0
56	MG	1a	1654	1/1	0.48	0.26	120,120,120,120	0
56	MG	1a	1707	1/1	0.48	0.14	125,125,125,125	0
56	MG	2a	1661	1/1	0.48	0.14	145,145,145,145	0
56	MG	2a	1606	1/1	0.48	0.27	137,137,137,137	0
56	MG	1l	301	1/1	0.49	0.33	133,133,133,133	0
56	MG	2a	1699	1/1	0.49	0.29	138,138,138,138	0
56	MG	2A	3477	1/1	0.49	0.15	126,126,126,126	0
56	MG	2a	1800	1/1	0.49	0.16	220,220,220,220	0
56	MG	1a	1855	1/1	0.49	0.10	230,230,230,230	0
56	MG	2A	3553	1/1	0.49	0.29	106,106,106,106	0
56	MG	2A	3385	1/1	0.49	0.27	120,120,120,120	0
56	MG	2A	3515	1/1	0.49	0.29	115,115,115,115	0
56	MG	2B	231	1/1	0.49	0.13	152,152,152,152	0
56	MG	2a	1668	1/1	0.49	0.27	151,151,151,151	0
56	MG	2A	3680	1/1	0.49	0.35	114,114,114,114	0
56	MG	2Q	202	1/1	0.49	0.40	132,132,132,132	0
56	MG	2a	1790	1/1	0.49	0.12	249,249,249,249	0
56	MG	1a	1916	1/1	0.49	0.15	146,146,146,146	0
56	MG	2a	1753	1/1	0.50	0.22	138,138,138,138	0
56	MG	2x	105	1/1	0.50	0.11	237,237,237,237	0
56	MG	1a	1636	1/1	0.50	0.25	120,120,120,120	0
56	MG	2A	3491	1/1	0.50	0.13	133,133,133,133	0
56	MG	2A	3540	1/1	0.50	0.14	148,148,148,148	0
56	MG	2A	3792	1/1	0.50	0.23	130,130,130,130	0
56	MG	2A	3081	1/1	0.50	0.23	125,125,125,125	0
56	MG	2y	107	1/1	0.50	0.23	207,207,207,207	0
56	MG	1a	1691	1/1	0.50	0.35	117,117,117,117	0
56	MG	2a	1624	1/1	0.50	0.25	137,137,137,137	0
56	MG	2B	222	1/1	0.50	0.10	133,133,133,133	0
56	MG	2A	3408	1/1	0.50	0.28	129,129,129,129	0
56	MG	1a	1752	1/1	0.50	0.46	128,128,128,128	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1T	204	1/1	0.51	0.18	115,115,115,115	0
56	MG	2a	1665	1/1	0.51	0.11	139,139,139,139	0
56	MG	2a	1666	1/1	0.51	0.18	133,133,133,133	0
56	MG	2a	1741	1/1	0.51	0.15	174,174,174,174	0
56	MG	2A	3620	1/1	0.51	0.21	122,122,122,122	0
56	MG	2A	3019	1/1	0.51	0.16	112,112,112,112	0
56	MG	2a	1639	1/1	0.51	0.27	141,141,141,141	0
56	MG	2A	3331	1/1	0.51	0.39	91,91,91,91	0
56	MG	2a	1610	1/1	0.51	0.33	141,141,141,141	0
56	MG	2a	1676	1/1	0.51	0.20	163,163,163,163	0
56	MG	2A	3023	1/1	0.51	0.32	120,120,120,120	0
56	MG	2A	3585	1/1	0.51	0.15	114,114,114,114	0
56	MG	1A	4929	1/1	0.51	0.15	201,201,201,201	0
56	MG	1a	1763	1/1	0.51	0.32	109,109,109,109	0
56	MG	1a	1783	1/1	0.51	0.17	135,135,135,135	0
56	MG	1y	102	1/1	0.51	0.42	123,123,123,123	0
56	MG	2A	3612	1/1	0.51	0.34	136,136,136,136	0
56	MG	1y	105	1/1	0.51	0.11	180,180,180,180	0
56	MG	2A	3208	1/1	0.52	0.20	118,118,118,118	0
56	MG	2a	1840	1/1	0.52	0.16	228,228,228,228	0
56	MG	2A	3414	1/1	0.52	0.24	117,117,117,117	0
56	MG	2a	1686	1/1	0.52	0.24	150,150,150,150	0
56	MG	1A	4891	1/1	0.52	0.12	109,109,109,109	0
56	MG	2x	106	1/1	0.52	0.09	211,211,211,211	0
56	MG	1a	1821	1/1	0.52	0.22	202,202,202,202	0
56	MG	2A	3253	1/1	0.52	0.25	128,128,128,128	0
56	MG	2A	3763	1/1	0.52	0.22	133,133,133,133	0
56	MG	2B	220	1/1	0.52	0.29	140,140,140,140	0
56	MG	1g	302	1/1	0.52	0.19	194,194,194,194	0
56	MG	2a	1627	1/1	0.52	0.15	153,153,153,153	0
56	MG	2a	1807	1/1	0.52	0.26	122,122,122,122	0
56	MG	2A	3206	1/1	0.52	0.20	120,120,120,120	0
56	MG	2A	3404	1/1	0.52	0.24	135,135,135,135	0
56	MG	2A	3631	1/1	0.52	0.22	113,113,113,113	0
56	MG	2a	1738	1/1	0.52	0.37	138,138,138,138	0
56	MG	2a	1874	1/1	0.53	0.13	155,155,155,155	0
56	MG	2A	3220	1/1	0.53	0.22	115,115,115,115	0
56	MG	2A	3818	1/1	0.53	0.11	136,136,136,136	0
56	MG	2A	3225	1/1	0.53	0.27	113,113,113,113	0
56	MG	2A	3288	1/1	0.53	0.26	102,102,102,102	0
56	MG	2A	3407	1/1	0.53	0.32	117,117,117,117	0
56	MG	2a	1721	1/1	0.53	0.17	145,145,145,145	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1a	1833	1/1	0.53	0.14	201,201,201,201	0
56	MG	1a	1745	1/1	0.53	0.28	122,122,122,122	0
56	MG	2a	1643	1/1	0.53	0.28	144,144,144,144	0
56	MG	2A	3367	1/1	0.53	0.32	92,92,92,92	0
56	MG	2a	1617	1/1	0.53	0.31	127,127,127,127	0
56	MG	2A	3122	1/1	0.53	0.36	117,117,117,117	0
56	MG	2A	3203	1/1	0.53	0.28	124,124,124,124	0
56	MG	2A	3611	1/1	0.53	0.24	141,141,141,141	0
56	MG	1a	1918	1/1	0.53	0.27	142,142,142,142	0
56	MG	2a	1796	1/1	0.53	0.12	111,111,111,111	0
56	MG	2a	1869	1/1	0.53	0.32	151,151,151,151	0
56	MG	2z	102	1/1	0.53	0.20	175,175,175,175	0
56	MG	2A	3084	1/1	0.53	0.35	115,115,115,115	0
56	MG	1a	1864	1/1	0.54	0.30	211,211,211,211	0
56	MG	2A	3593	1/1	0.54	0.17	129,129,129,129	0
56	MG	1A	4535	1/1	0.54	0.10	77,77,77,77	0
56	MG	2A	3365	1/1	0.54	0.51	90,90,90,90	0
56	MG	2A	3131	1/1	0.54	0.28	130,130,130,130	0
56	MG	2A	3022	1/1	0.54	0.14	126,126,126,126	0
56	MG	1A	4819	1/1	0.54	0.10	119,119,119,119	0
56	MG	1a	1771	1/1	0.54	0.15	135,135,135,135	0
56	MG	1A	4023	1/1	0.54	0.32	110,110,110,110	0
56	MG	1a	1631	1/1	0.54	0.19	126,126,126,126	0
56	MG	2A	3205	1/1	0.54	0.22	122,122,122,122	0
56	MG	1a	1710	1/1	0.54	0.28	115,115,115,115	0
56	MG	2A	3116	1/1	0.54	0.26	127,127,127,127	0
56	MG	2a	1640	1/1	0.54	0.40	143,143,143,143	0
56	MG	2a	1885	1/1	0.54	0.17	162,162,162,162	0
56	MG	2a	1615	1/1	0.54	0.44	145,145,145,145	0
56	MG	2a	1670	1/1	0.54	0.14	163,163,163,163	0
56	MG	2A	3109	1/1	0.55	0.23	137,137,137,137	0
56	MG	1a	1857	1/1	0.55	0.14	211,211,211,211	0
56	MG	2a	1804	1/1	0.55	0.28	107,107,107,107	0
56	MG	1a	1900	1/1	0.55	0.15	134,134,134,134	0
56	MG	2a	1677	1/1	0.55	0.14	166,166,166,166	0
56	MG	1a	1871	1/1	0.55	0.14	199,199,199,199	0
56	MG	2A	3057	1/1	0.55	0.18	96,96,96,96	0
56	MG	2a	1658	1/1	0.56	0.16	122,122,122,122	0
56	MG	1b	302	1/1	0.56	0.19	165,165,165,165	0
56	MG	2A	3598	1/1	0.56	0.26	121,121,121,121	0
56	MG	2A	3387	1/1	0.56	0.17	123,123,123,123	0
56	MG	2A	3798	1/1	0.56	0.34	98,98,98,98	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	4831	1/1	0.56	0.28	109,109,109,109	0
56	MG	2a	1847	1/1	0.56	0.14	160,160,160,160	0
56	MG	2B	202	1/1	0.56	0.23	137,137,137,137	0
56	MG	28	104	1/1	0.56	0.28	110,110,110,110	0
56	MG	2A	3681	1/1	0.56	0.30	119,119,119,119	0
56	MG	2A	3810	1/1	0.56	0.12	145,145,145,145	0
56	MG	1A	4973	1/1	0.56	0.21	80,80,80,80	0
56	MG	1A	5050	1/1	0.56	0.12	173,173,173,173	0
56	MG	2v	702	1/1	0.56	0.14	183,183,183,183	0
56	MG	2B	227	1/1	0.56	0.47	132,132,132,132	0
56	MG	1A	4367	1/1	0.57	0.36	56,56,56,56	0
56	MG	2A	3552	1/1	0.57	0.29	105,105,105,105	0
56	MG	2A	3464	1/1	0.57	0.34	129,129,129,129	0
56	MG	1a	1768	1/1	0.57	0.18	122,122,122,122	0
56	MG	2a	1915	1/1	0.57	0.17	123,123,123,123	0
56	MG	2A	3405	1/1	0.57	0.40	130,130,130,130	0
56	MG	1a	1902	1/1	0.57	0.24	135,135,135,135	0
56	MG	2a	1865	1/1	0.57	0.28	119,119,119,119	0
56	MG	2A	3016	1/1	0.57	0.28	118,118,118,118	0
56	MG	1a	1814	1/1	0.57	0.17	158,158,158,158	0
56	MG	1a	1638	1/1	0.57	0.38	117,117,117,117	0
56	MG	2Z	404	1/1	0.57	0.27	132,132,132,132	0
56	MG	2x	107	1/1	0.57	0.13	131,131,131,131	0
56	MG	2A	3643	1/1	0.57	0.24	131,131,131,131	0
56	MG	2A	3644	1/1	0.57	0.17	155,155,155,155	0
56	MG	2a	1803	1/1	0.57	0.27	127,127,127,127	0
56	MG	2a	1740	1/1	0.57	0.12	143,143,143,143	0
56	MG	2a	1805	1/1	0.57	0.22	114,114,114,114	0
56	MG	2B	213	1/1	0.57	0.26	151,151,151,151	0
56	MG	2A	3524	1/1	0.57	0.36	103,103,103,103	0
56	MG	2A	3529	1/1	0.57	0.29	118,118,118,118	0
56	MG	2A	3172	1/1	0.57	0.22	91,91,91,91	0
56	MG	2A	3241	1/1	0.57	0.21	124,124,124,124	0
56	MG	2A	3607	1/1	0.57	0.25	127,127,127,127	0
56	MG	1a	1744	1/1	0.57	0.24	132,132,132,132	0
56	MG	1A	4314	1/1	0.58	0.24	107,107,107,107	0
56	MG	2A	3199	1/1	0.58	0.27	111,111,111,111	0
56	MG	2B	229	1/1	0.58	0.14	150,150,150,150	0
56	MG	2a	1671	1/1	0.58	0.12	173,173,173,173	0
56	MG	2a	1714	1/1	0.58	0.21	143,143,143,143	0
56	MG	2A	3112	1/1	0.58	0.14	136,136,136,136	0
56	MG	1A	4481	1/1	0.58	0.36	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	2A	3465	1/1	0.58	0.20	129,129,129,129	0
56	MG	2y	105	1/1	0.58	0.15	262,262,262,262	0
56	MG	2A	3474	1/1	0.58	0.22	125,125,125,125	0
56	MG	2a	1900	1/1	0.58	0.07	174,174,174,174	0
56	MG	1a	1780	1/1	0.58	0.29	124,124,124,124	0
56	MG	2a	1731	1/1	0.58	0.21	103,103,103,103	0
56	MG	2A	3160	1/1	0.58	0.28	103,103,103,103	0
56	MG	2A	3337	1/1	0.58	0.28	91,91,91,91	0
56	MG	1a	1781	1/1	0.58	0.33	110,110,110,110	0
56	MG	2A	3564	1/1	0.58	0.23	102,102,102,102	0
56	MG	2A	3801	1/1	0.59	0.22	128,128,128,128	0
56	MG	2A	3107	1/1	0.59	0.22	166,166,166,166	0
56	MG	29	102	1/1	0.59	0.25	128,128,128,128	0
56	MG	2a	1630	1/1	0.59	0.32	123,123,123,123	0
56	MG	2A	3179	1/1	0.59	0.20	139,139,139,139	0
56	MG	2a	1697	1/1	0.59	0.32	136,136,136,136	0
56	MG	2A	3108	1/1	0.59	0.18	139,139,139,139	0
56	MG	1a	1804	1/1	0.59	0.18	130,130,130,130	0
56	MG	1d	301	1/1	0.59	0.26	128,128,128,128	0
56	MG	1a	1687	1/1	0.59	0.39	118,118,118,118	0
56	MG	1a	1912	1/1	0.59	0.29	131,131,131,131	0
56	MG	2A	3008	1/1	0.59	0.26	94,94,94,94	0
56	MG	2a	1897	1/1	0.59	0.11	153,153,153,153	0
56	MG	2A	3012	1/1	0.59	0.26	108,108,108,108	0
56	MG	2a	1779	1/1	0.59	0.27	183,183,183,183	0
56	MG	2a	1747	1/1	0.59	0.32	122,122,122,122	0
56	MG	1a	1792	1/1	0.59	0.51	105,105,105,105	0
56	MG	2A	3358	1/1	0.59	0.18	97,97,97,97	0
56	MG	2l	204	1/1	0.59	0.28	136,136,136,136	0
56	MG	2A	3782	1/1	0.59	0.15	139,139,139,139	0
56	MG	1a	1775	1/1	0.59	0.21	131,131,131,131	0
56	MG	2A	3020	1/1	0.59	0.23	103,103,103,103	0
56	MG	1a	1903	1/1	0.59	0.18	121,121,121,121	0
56	MG	1A	5055	1/1	0.59	0.18	133,133,133,133	0
56	MG	2A	3768	1/1	0.60	0.15	90,90,90,90	0
56	MG	1a	1641	1/1	0.60	0.21	124,124,124,124	0
56	MG	1A	4488	1/1	0.60	0.29	85,85,85,85	0
56	MG	2A	3087	1/1	0.60	0.18	121,121,121,121	0
56	MG	1a	1743	1/1	0.60	0.20	139,139,139,139	0
56	MG	1a	1686	1/1	0.60	0.42	116,116,116,116	0
56	MG	2A	3310	1/1	0.60	0.16	117,117,117,117	0
56	MG	2A	3243	1/1	0.60	0.27	109,109,109,109	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3435	1/1	0.60	0.29	97,97,97,97	0
56	MG	1A	4394	1/1	0.60	0.50	60,60,60,60	0
56	MG	2Y	201	1/1	0.60	0.19	113,113,113,113	0
56	MG	1a	1746	1/1	0.60	0.13	154,154,154,154	0
56	MG	2A	3473	1/1	0.60	0.23	131,131,131,131	0
56	MG	2A	3018	1/1	0.60	0.18	124,124,124,124	0
56	MG	1a	1659	1/1	0.60	0.18	118,118,118,118	0
56	MG	2l	206	1/1	0.61	0.21	145,145,145,145	0
56	MG	2A	3578	1/1	0.61	0.24	135,135,135,135	0
56	MG	1a	1679	1/1	0.61	0.14	163,163,163,163	0
56	MG	1A	4927	1/1	0.61	0.17	87,87,87,87	0
56	MG	2A	3097	1/1	0.61	0.47	99,99,99,99	0
56	MG	1a	1839	1/1	0.61	0.18	146,146,146,146	0
56	MG	2s	101	1/1	0.61	0.12	250,250,250,250	0
56	MG	2a	1648	1/1	0.61	0.29	124,124,124,124	0
56	MG	2a	1821	1/1	0.61	0.18	143,143,143,143	0
56	MG	2h	205	1/1	0.61	0.14	152,152,152,152	0
56	MG	2A	3399	1/1	0.61	0.13	194,194,194,194	0
56	MG	1B	203	1/1	0.61	0.10	95,95,95,95	0
56	MG	2a	1749	1/1	0.61	0.36	115,115,115,115	0
56	MG	1A	4035	1/1	0.61	0.28	73,73,73,73	0
56	MG	1A	4790	1/1	0.61	0.24	99,99,99,99	0
56	MG	2A	3440	1/1	0.62	0.35	99,99,99,99	0
56	MG	2a	1723	1/1	0.62	0.38	118,118,118,118	0
56	MG	2A	3785	1/1	0.62	0.19	119,119,119,119	0
56	MG	20	104	1/1	0.62	0.23	122,122,122,122	0
56	MG	2A	3412	1/1	0.62	0.28	105,105,105,105	0
56	MG	2A	3366	1/1	0.62	0.53	82,82,82,82	0
56	MG	2u	102	1/1	0.62	0.13	241,241,241,241	0
56	MG	1a	1817	1/1	0.62	0.21	148,148,148,148	0
56	MG	2A	3119	1/1	0.62	0.29	113,113,113,113	0
56	MG	2A	3583	1/1	0.62	0.31	122,122,122,122	0
56	MG	1a	1757	1/1	0.62	0.43	107,107,107,107	0
56	MG	2A	3586	1/1	0.62	0.20	120,120,120,120	0
56	MG	2A	3735	1/1	0.62	0.26	101,101,101,101	0
56	MG	2a	1704	1/1	0.62	0.18	160,160,160,160	0
56	MG	2A	3625	1/1	0.62	0.19	146,146,146,146	0
56	MG	2a	1893	1/1	0.62	0.19	123,123,123,123	0
56	MG	2A	3628	1/1	0.62	0.19	119,119,119,119	0
56	MG	2A	3588	1/1	0.62	0.32	127,127,127,127	0
56	MG	2A	3538	1/1	0.62	0.23	134,134,134,134	0
56	MG	2a	1835	1/1	0.62	0.10	152,152,152,152	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1a	1747	1/1	0.62	0.12	149,149,149,149	0
56	MG	2l	202	1/1	0.62	0.22	150,150,150,150	0
56	MG	2A	3425	1/1	0.62	0.31	102,102,102,102	0
56	MG	2a	1841	1/1	0.62	0.16	224,224,224,224	0
56	MG	1Z	302	1/1	0.62	0.20	98,98,98,98	0
56	MG	2A	3774	1/1	0.62	0.23	116,116,116,116	0
56	MG	1a	1776	1/1	0.62	0.19	122,122,122,122	0
56	MG	2m	203	1/1	0.62	0.24	238,238,238,238	0
56	MG	2a	1711	1/1	0.63	0.14	149,149,149,149	0
56	MG	1b	301	1/1	0.63	0.17	165,165,165,165	0
56	MG	1A	5058	1/1	0.63	0.10	100,100,100,100	0
56	MG	1A	4050	1/1	0.63	0.29	100,100,100,100	0
56	MG	2A	3622	1/1	0.63	0.19	137,137,137,137	0
56	MG	1a	1816	1/1	0.63	0.20	183,183,183,183	0
56	MG	2a	1612	1/1	0.63	0.23	141,141,141,141	0
56	MG	2A	3461	1/1	0.63	0.20	111,111,111,111	0
56	MG	1x	301	1/1	0.63	0.15	193,193,193,193	0
56	MG	1a	1611	1/1	0.63	0.12	99,99,99,99	0
56	MG	2f	304	1/1	0.63	0.25	137,137,137,137	0
56	MG	2A	3329	1/1	0.63	0.41	87,87,87,87	0
56	MG	2A	3841	1/1	0.63	0.21	146,146,146,146	0
56	MG	2A	3389	1/1	0.63	0.25	117,117,117,117	0
56	MG	1a	1712	1/1	0.63	0.25	114,114,114,114	0
56	MG	2A	3391	1/1	0.63	0.20	122,122,122,122	0
56	MG	2a	1888	1/1	0.63	0.14	136,136,136,136	0
56	MG	2A	3661	1/1	0.63	0.31	105,105,105,105	0
56	MG	1A	4503	1/1	0.63	0.15	102,102,102,102	0
56	MG	2Z	403	1/1	0.63	0.18	130,130,130,130	0
56	MG	2A	3570	1/1	0.63	0.20	167,167,167,167	0
56	MG	2a	1743	1/1	0.63	0.19	151,151,151,151	0
56	MG	2A	3571	1/1	0.63	0.19	172,172,172,172	0
56	MG	2a	1839	1/1	0.63	0.16	241,241,241,241	0
56	MG	2A	3090	1/1	0.63	0.33	110,110,110,110	0
56	MG	2A	3503	1/1	0.63	0.31	103,103,103,103	0
56	MG	2B	215	1/1	0.63	0.12	164,164,164,164	0
56	MG	2A	3687	1/1	0.63	0.32	118,118,118,118	0
56	MG	2A	3787	1/1	0.64	0.13	125,125,125,125	0
56	MG	2A	3176	1/1	0.64	0.22	114,114,114,114	0
56	MG	1a	1758	1/1	0.64	0.27	111,111,111,111	0
56	MG	1A	4049	1/1	0.64	0.25	97,97,97,97	0
56	MG	2a	1814	1/1	0.64	0.15	142,142,142,142	0
56	MG	2A	3480	1/1	0.64	0.13	132,132,132,132	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	4054	1/1	0.64	0.15	95,95,95,95	0
56	MG	1a	1655	1/1	0.64	0.28	120,120,120,120	0
56	MG	1A	4548	1/1	0.64	0.22	131,131,131,131	0
56	MG	2A	3817	1/1	0.64	0.12	139,139,139,139	0
56	MG	1a	1894	1/1	0.64	0.23	132,132,132,132	0
56	MG	2A	3505	1/1	0.64	0.14	129,129,129,129	0
56	MG	1a	1680	1/1	0.64	0.17	155,155,155,155	0
56	MG	2A	3269	1/1	0.64	0.30	94,94,94,94	0
56	MG	2A	3521	1/1	0.64	0.21	105,105,105,105	0
56	MG	2A	3283	1/1	0.64	0.32	108,108,108,108	0
56	MG	2A	3641	1/1	0.64	0.17	127,127,127,127	0
56	MG	2a	1724	1/1	0.64	0.17	141,141,141,141	0
56	MG	2A	3284	1/1	0.64	0.31	97,97,97,97	0
56	MG	1B	215	1/1	0.64	0.27	65,65,65,65	0
56	MG	1A	4525	1/1	0.64	0.16	104,104,104,104	0
56	MG	1a	1808	1/1	0.64	0.20	122,122,122,122	0
56	MG	1A	4776	1/1	0.64	0.16	96,96,96,96	0
56	MG	2a	1871	1/1	0.64	0.29	134,134,134,134	0
56	MG	1g	301	1/1	0.64	0.24	186,186,186,186	0
56	MG	2F	302	1/1	0.65	0.20	90,90,90,90	0
56	MG	2A	3739	1/1	0.65	0.32	103,103,103,103	0
56	MG	2T	302	1/1	0.65	0.32	124,124,124,124	0
56	MG	2A	3030	1/1	0.65	0.32	97,97,97,97	0
56	MG	2A	3138	1/1	0.65	0.17	118,118,118,118	0
56	MG	2A	3566	1/1	0.65	0.15	114,114,114,114	0
56	MG	2A	3099	1/1	0.65	0.09	152,152,152,152	0
56	MG	2a	1733	1/1	0.65	0.12	125,125,125,125	0
56	MG	1a	1653	1/1	0.65	0.25	119,119,119,119	0
56	MG	1A	5056	1/1	0.65	0.13	137,137,137,137	0
56	MG	2A	3015	1/1	0.65	0.25	112,112,112,112	0
56	MG	1a	1865	1/1	0.65	0.09	224,224,224,224	0
56	MG	2A	3184	1/1	0.65	0.19	135,135,135,135	0
56	MG	2a	1603	1/1	0.65	0.16	151,151,151,151	0
56	MG	1a	1798	1/1	0.65	0.22	118,118,118,118	0
56	MG	2A	3512	1/1	0.65	0.25	94,94,94,94	0
56	MG	2A	3386	1/1	0.65	0.11	125,125,125,125	0
56	MG	2A	3083	1/1	0.65	0.31	115,115,115,115	0
56	MG	1A	4259	1/1	0.65	0.23	61,61,61,61	0
56	MG	2A	3523	1/1	0.65	0.20	100,100,100,100	0
56	MG	1a	1601	1/1	0.65	0.26	73,73,73,73	0
56	MG	2A	3432	1/1	0.65	0.37	93,93,93,93	0
56	MG	1a	1825	1/1	0.65	0.17	214,214,214,214	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3532	1/1	0.65	0.17	118,118,118,118	0
56	MG	2B	225	1/1	0.65	0.13	132,132,132,132	0
56	MG	1A	4040	1/1	0.65	0.14	93,93,93,93	0
56	MG	2A	3443	1/1	0.65	0.24	111,111,111,111	0
56	MG	2A	3285	1/1	0.65	0.33	101,101,101,101	0
56	MG	2a	1892	1/1	0.65	0.22	142,142,142,142	0
56	MG	2a	1672	1/1	0.65	0.15	181,181,181,181	0
56	MG	2A	3027	1/1	0.65	0.13	123,123,123,123	0
56	MG	1a	1896	1/1	0.65	0.35	114,114,114,114	0
56	MG	1a	1690	1/1	0.66	0.15	124,124,124,124	0
56	MG	1A	5024	1/1	0.66	0.34	55,55,55,55	0
56	MG	2A	3793	1/1	0.66	0.16	116,116,116,116	0
56	MG	2A	3795	1/1	0.66	0.10	109,109,109,109	0
56	MG	2A	3319	1/1	0.66	0.23	87,87,87,87	0
56	MG	2T	301	1/1	0.66	0.18	124,124,124,124	0
56	MG	2A	3419	1/1	0.66	0.19	135,135,135,135	0
56	MG	2A	3102	1/1	0.66	0.20	144,144,144,144	0
56	MG	1a	1774	1/1	0.66	0.11	139,139,139,139	0
56	MG	2A	3395	1/1	0.66	0.30	128,128,128,128	0
56	MG	1D	307	1/1	0.66	0.27	99,99,99,99	0
56	MG	1A	4863	1/1	0.66	0.23	62,62,62,62	0
56	MG	1a	1629	1/1	0.66	0.23	101,101,101,101	0
56	MG	1a	1660	1/1	0.66	0.30	119,119,119,119	0
56	MG	2A	3161	1/1	0.66	0.37	100,100,100,100	0
56	MG	2A	3442	1/1	0.66	0.21	108,108,108,108	0
56	MG	1a	1862	1/1	0.66	0.17	215,215,215,215	0
56	MG	1v	701	1/1	0.66	0.43	117,117,117,117	0
56	MG	2A	3066	1/1	0.66	0.20	125,125,125,125	0
56	MG	2A	3526	1/1	0.66	0.16	106,106,106,106	0
56	MG	2s	103	1/1	0.66	0.39	251,251,251,251	0
56	MG	2a	1641	1/1	0.66	0.19	146,146,146,146	0
56	MG	2A	3758	1/1	0.67	0.11	211,211,211,211	0
56	MG	2A	3149	1/1	0.67	0.25	110,110,110,110	0
56	MG	1A	4022	1/1	0.67	0.26	111,111,111,111	0
56	MG	2a	1883	1/1	0.67	0.32	131,131,131,131	0
56	MG	1A	4809	1/1	0.67	0.17	58,58,58,58	0
56	MG	2A	3270	1/1	0.67	0.17	98,98,98,98	0
56	MG	2a	1886	1/1	0.67	0.18	147,147,147,147	0
56	MG	2a	1757	1/1	0.67	0.31	211,211,211,211	0
56	MG	2A	3528	1/1	0.67	0.18	106,106,106,106	0
56	MG	2A	3736	1/1	0.67	0.23	108,108,108,108	0
56	MG	1a	1917	1/1	0.67	0.09	128,128,128,128	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
56	MG	2A	3100	1/1	0.67	0.16	152,152,152,152	0
56	MG	2A	3031	1/1	0.67	0.27	103,103,103,103	0
56	MG	2A	3534	1/1	0.68	0.26	133,133,133,133	0
56	MG	2A	3095	1/1	0.68	0.44	106,106,106,106	0
56	MG	2A	3152	1/1	0.68	0.13	96,96,96,96	0
56	MG	2A	3363	1/1	0.68	0.56	85,85,85,85	0
56	MG	1a	1867	1/1	0.68	0.10	227,227,227,227	0
56	MG	2A	3211	1/1	0.68	0.39	94,94,94,94	0
56	MG	1a	1627	1/1	0.68	0.22	95,95,95,95	0
56	MG	2a	1901	1/1	0.68	0.10	171,171,171,171	0
56	MG	2a	1856	1/1	0.68	0.23	147,147,147,147	0
56	MG	2a	1860	1/1	0.68	0.18	153,153,153,153	0
56	MG	2A	3740	1/1	0.68	0.23	88,88,88,88	0
56	MG	1A	4506	1/1	0.68	0.34	96,96,96,96	0
56	MG	2A	3230	1/1	0.68	0.25	87,87,87,87	0
56	MG	2A	3658	1/1	0.68	0.28	112,112,112,112	0
56	MG	2A	3659	1/1	0.68	0.21	149,149,149,149	0
56	MG	1A	4036	1/1	0.68	0.41	76,76,76,76	0
56	MG	1A	4012	1/1	0.68	0.35	71,71,71,71	0
56	MG	1B	211	1/1	0.68	0.22	82,82,82,82	0
56	MG	28	105	1/1	0.68	0.18	119,119,119,119	0
56	MG	1A	4048	1/1	0.68	0.30	103,103,103,103	0
56	MG	1a	1646	1/1	0.68	0.29	116,116,116,116	0
56	MG	2a	1632	1/1	0.68	0.18	137,137,137,137	0
56	MG	1a	1728	1/1	0.68	0.15	143,143,143,143	0
56	MG	1a	1742	1/1	0.68	0.34	106,106,106,106	0
56	MG	1A	4733	1/1	0.69	0.18	82,82,82,82	0
56	MG	2A	3178	1/1	0.69	0.29	116,116,116,116	0
56	MG	1A	4970	1/1	0.69	0.16	89,89,89,89	0
56	MG	2A	3647	1/1	0.69	0.23	108,108,108,108	0
56	MG	2o	301	1/1	0.69	0.12	118,118,118,118	0
56	MG	2A	3743	1/1	0.69	0.25	83,83,83,83	0
56	MG	2A	3751	1/1	0.69	0.28	101,101,101,101	0
56	MG	2A	3752	1/1	0.69	0.18	117,117,117,117	0
56	MG	2r	302	1/1	0.69	0.13	149,149,149,149	0
56	MG	2A	3305	1/1	0.69	0.19	128,128,128,128	0
56	MG	1a	1731	1/1	0.69	0.25	136,136,136,136	0
56	MG	2A	3577	1/1	0.69	0.24	143,143,143,143	0
56	MG	2a	1638	1/1	0.69	0.13	148,148,148,148	0
56	MG	2A	3504	1/1	0.69	0.11	134,134,134,134	0
56	MG	2A	3823	1/1	0.69	0.24	95,95,95,95	0
56	MG	1n	102	1/1	0.69	0.31	210,210,210,210	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2a	1870	1/1	0.69	0.21	108,108,108,108	0
56	MG	2x	102	1/1	0.69	0.14	107,107,107,107	0
56	MG	1A	4633	1/1	0.69	0.12	71,71,71,71	0
56	MG	2a	1799	1/1	0.69	0.34	238,238,238,238	0
56	MG	2A	3076	1/1	0.69	0.25	113,113,113,113	0
56	MG	2A	3333	1/1	0.69	0.25	98,98,98,98	0
56	MG	2A	3078	1/1	0.69	0.25	119,119,119,119	0
56	MG	2a	1878	1/1	0.69	0.29	115,115,115,115	0
56	MG	2A	3778	1/1	0.69	0.27	97,97,97,97	0
56	MG	2a	1651	1/1	0.69	0.41	142,142,142,142	0
56	MG	2a	1727	1/1	0.69	0.15	124,124,124,124	0
56	MG	2A	3244	1/1	0.69	0.26	104,104,104,104	0
56	MG	2a	1730	1/1	0.69	0.15	127,127,127,127	0
56	MG	2A	3639	1/1	0.69	0.27	118,118,118,118	0
56	MG	2Q	201	1/1	0.69	0.17	126,126,126,126	0
56	MG	2A	3282	1/1	0.69	0.19	107,107,107,107	0
56	MG	2a	1693	1/1	0.69	0.18	141,141,141,141	0
56	MG	2a	1894	1/1	0.69	0.29	151,151,151,151	0
56	MG	2Q	206	1/1	0.69	0.16	118,118,118,118	0
56	MG	1a	1764	1/1	0.69	0.13	121,121,121,121	0
56	MG	1A	4330	1/1	0.70	0.24	77,77,77,77	0
56	MG	1A	4343	1/1	0.70	0.39	71,71,71,71	0
56	MG	2A	3393	1/1	0.70	0.16	132,132,132,132	0
56	MG	2A	3207	1/1	0.70	0.17	123,123,123,123	0
56	MG	1A	4066	1/1	0.70	0.17	98,98,98,98	0
56	MG	2A	3562	1/1	0.70	0.32	90,90,90,90	0
56	MG	2A	3563	1/1	0.70	0.35	90,90,90,90	0
56	MG	1A	4388	1/1	0.70	0.35	79,79,79,79	0
56	MG	2A	3302	1/1	0.70	0.24	100,100,100,100	0
56	MG	2q	202	1/1	0.70	0.16	149,149,149,149	0
56	MG	2A	3400	1/1	0.70	0.20	225,225,225,225	0
56	MG	2A	3214	1/1	0.70	0.36	93,93,93,93	0
56	MG	1a	1915	1/1	0.70	0.13	134,134,134,134	0
56	MG	1A	4285	1/1	0.70	0.33	62,62,62,62	0
56	MG	2t	201	1/1	0.70	0.19	159,159,159,159	0
56	MG	1a	1620	1/1	0.70	0.26	98,98,98,98	0
56	MG	20	105	1/1	0.70	0.18	126,126,126,126	0
56	MG	23	102	1/1	0.70	0.19	124,124,124,124	0
56	MG	1a	1623	1/1	0.70	0.24	100,100,100,100	0
56	MG	1A	4226	1/1	0.70	0.21	81,81,81,81	0
56	MG	2a	1692	1/1	0.70	0.18	149,149,149,149	0
56	MG	2A	3106	1/1	0.70	0.12	170,170,170,170	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1a	1699	1/1	0.70	0.23	118,118,118,118	0
56	MG	2A	3417	1/1	0.70	0.17	117,117,117,117	0
56	MG	2a	1652	1/1	0.70	0.19	142,142,142,142	0
56	MG	1a	1704	1/1	0.70	0.14	125,125,125,125	0
56	MG	1A	4256	1/1	0.70	0.39	65,65,65,65	0
56	MG	2A	3789	1/1	0.70	0.06	97,97,97,97	0
56	MG	1a	1830	1/1	0.70	0.12	194,194,194,194	0
56	MG	1B	212	1/1	0.70	0.22	87,87,87,87	0
56	MG	2A	3188	1/1	0.70	0.26	103,103,103,103	0
56	MG	2h	203	1/1	0.70	0.14	144,144,144,144	0
56	MG	1a	1858	1/1	0.70	0.12	210,210,210,210	0
56	MG	2A	3115	1/1	0.70	0.13	135,135,135,135	0
56	MG	1A	4959	1/1	0.70	0.16	102,102,102,102	0
56	MG	1B	223	1/1	0.70	0.22	97,97,97,97	0
56	MG	2B	228	1/1	0.70	0.14	145,145,145,145	0
56	MG	2l	203	1/1	0.70	0.28	129,129,129,129	0
56	MG	2A	3281	1/1	0.70	0.37	104,104,104,104	0
56	MG	1a	1657	1/1	0.71	0.17	106,106,106,106	0
56	MG	2A	3690	1/1	0.71	0.14	159,159,159,159	0
56	MG	1A	4485	1/1	0.71	0.27	61,61,61,61	0
56	MG	2A	3699	1/1	0.71	0.27	107,107,107,107	0
56	MG	2a	1867	1/1	0.71	0.15	79,79,79,79	0
56	MG	2A	3716	1/1	0.71	0.22	116,116,116,116	0
56	MG	2A	3587	1/1	0.71	0.30	123,123,123,123	0
56	MG	2A	3635	1/1	0.71	0.31	103,103,103,103	0
56	MG	2A	3732	1/1	0.71	0.28	95,95,95,95	0
56	MG	2a	1634	1/1	0.71	0.22	120,120,120,120	0
56	MG	23	101	1/1	0.71	0.18	104,104,104,104	0
56	MG	2A	3287	1/1	0.71	0.52	104,104,104,104	0
56	MG	1a	1649	1/1	0.71	0.44	105,105,105,105	0
56	MG	2A	3298	1/1	0.71	0.27	94,94,94,94	0
56	MG	2A	3802	1/1	0.71	0.33	108,108,108,108	0
56	MG	2A	3181	1/1	0.71	0.20	114,114,114,114	0
56	MG	2a	1808	1/1	0.71	0.17	102,102,102,102	0
56	MG	2A	3595	1/1	0.71	0.13	147,147,147,147	0
56	MG	2a	1645	1/1	0.71	0.22	124,124,124,124	0
56	MG	1A	4198	1/1	0.71	0.18	98,98,98,98	0
56	MG	2A	3215	1/1	0.71	0.26	100,100,100,100	0
56	MG	1A	5022	1/1	0.71	0.14	122,122,122,122	0
56	MG	1a	1853	1/1	0.71	0.17	225,225,225,225	0
56	MG	2A	3660	1/1	0.71	0.12	147,147,147,147	0
56	MG	2a	1690	1/1	0.71	0.29	155,155,155,155	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1a	1810	1/1	0.71	0.17	100,100,100,100	0
56	MG	2A	3392	1/1	0.71	0.19	124,124,124,124	0
56	MG	2A	3235	1/1	0.71	0.57	97,97,97,97	0
56	MG	2E	302	1/1	0.71	0.23	96,96,96,96	0
56	MG	1A	4292	1/1	0.71	0.18	96,96,96,96	0
56	MG	1a	1800	1/1	0.71	0.26	119,119,119,119	0
56	MG	2A	3493	1/1	0.71	0.12	134,134,134,134	0
56	MG	1a	1778	1/1	0.71	0.18	126,126,126,126	0
56	MG	2A	3339	1/1	0.72	0.35	72,72,72,72	0
56	MG	1A	4622	1/1	0.72	0.19	115,115,115,115	0
56	MG	1A	4228	1/1	0.72	0.27	109,109,109,109	0
56	MG	2A	3255	1/1	0.72	0.20	126,126,126,126	0
56	MG	2A	3677	1/1	0.72	0.27	115,115,115,115	0
56	MG	2A	3482	1/1	0.72	0.18	117,117,117,117	0
56	MG	2A	3073	1/1	0.72	0.32	127,127,127,127	0
56	MG	1A	4889	1/1	0.72	0.10	61,61,61,61	0
56	MG	1A	4404	1/1	0.72	0.14	70,70,70,70	0
56	MG	1a	1874	1/1	0.72	0.12	196,196,196,196	0
56	MG	2A	3164	1/1	0.72	0.28	97,97,97,97	0
56	MG	2A	3697	1/1	0.72	0.23	128,128,128,128	0
56	MG	2A	3567	1/1	0.72	0.21	104,104,104,104	0
56	MG	2a	1866	1/1	0.72	0.32	138,138,138,138	0
56	MG	2A	3420	1/1	0.72	0.14	121,121,121,121	0
56	MG	1a	1610	1/1	0.72	0.25	90,90,90,90	0
56	MG	1B	205	1/1	0.72	0.23	87,87,87,87	0
56	MG	2A	3086	1/1	0.72	0.28	119,119,119,119	0
56	MG	2A	3626	1/1	0.72	0.12	158,158,158,158	0
56	MG	2A	3025	1/1	0.72	0.39	118,118,118,118	0
56	MG	1a	1836	1/1	0.72	0.09	225,225,225,225	0
56	MG	1A	4426	1/1	0.72	0.19	77,77,77,77	0
56	MG	2a	1876	1/1	0.72	0.35	147,147,147,147	0
56	MG	2A	3185	1/1	0.72	0.42	95,95,95,95	0
56	MG	2A	3579	1/1	0.72	0.18	115,115,115,115	0
56	MG	2A	3582	1/1	0.72	0.16	106,106,106,106	0
56	MG	1A	4095	1/1	0.72	0.22	62,62,62,62	0
56	MG	2A	3584	1/1	0.72	0.15	114,114,114,114	0
56	MG	2A	3850	1/1	0.72	0.31	109,109,109,109	0
56	MG	2A	3197	1/1	0.72	0.17	93,93,93,93	0
56	MG	1A	4304	1/1	0.72	0.31	81,81,81,81	0
56	MG	2A	3761	1/1	0.72	0.27	126,126,126,126	0
56	MG	1B	214	1/1	0.72	0.23	69,69,69,69	0
56	MG	1A	4305	1/1	0.72	0.28	82,82,82,82	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	4011	1/1	0.72	0.17	70,70,70,70	0
56	MG	2a	1896	1/1	0.72	0.08	98,98,98,98	0
56	MG	2a	1837	1/1	0.72	0.11	240,240,240,240	0
56	MG	1a	1767	1/1	0.73	0.10	133,133,133,133	0
56	MG	1A	4458	1/1	0.73	0.31	60,60,60,60	0
56	MG	1A	4034	1/1	0.73	0.26	69,69,69,69	0
56	MG	2A	3433	1/1	0.73	0.33	92,92,92,92	0
56	MG	1a	1672	1/1	0.73	0.10	99,99,99,99	0
56	MG	1a	1702	1/1	0.73	0.10	181,181,181,181	0
56	MG	1A	4926	1/1	0.73	0.15	76,76,76,76	0
56	MG	2A	3239	1/1	0.73	0.35	108,108,108,108	0
56	MG	29	101	1/1	0.73	0.34	130,130,130,130	0
56	MG	2A	3721	1/1	0.73	0.10	118,118,118,118	0
56	MG	1A	4101	1/1	0.73	0.38	45,45,45,45	0
56	MG	1A	4317	1/1	0.73	0.23	106,106,106,106	0
56	MG	2a	1787	1/1	0.73	0.16	231,231,231,231	0
56	MG	1A	4490	1/1	0.73	0.16	89,89,89,89	0
56	MG	1a	1875	1/1	0.73	0.26	118,118,118,118	0
56	MG	1A	4014	1/1	0.73	0.21	87,87,87,87	0
56	MG	2A	3645	1/1	0.73	0.17	116,116,116,116	0
56	MG	2A	3744	1/1	0.73	0.14	105,105,105,105	0
56	MG	2A	3747	1/1	0.73	0.13	107,107,107,107	0
56	MG	1a	1714	1/1	0.73	0.22	118,118,118,118	0
56	MG	2A	3821	1/1	0.73	0.25	89,89,89,89	0
56	MG	1a	1748	1/1	0.73	0.12	145,145,145,145	0
56	MG	1A	4592	1/1	0.73	0.11	90,90,90,90	0
56	MG	2a	1802	1/1	0.73	0.16	166,166,166,166	0
56	MG	2A	3830	1/1	0.73	0.32	125,125,125,125	0
56	MG	1a	1795	1/1	0.73	0.23	107,107,107,107	0
56	MG	2F	303	1/1	0.73	0.22	126,126,126,126	0
56	MG	1A	5015	1/1	0.73	0.13	89,89,89,89	0
56	MG	2A	3204	1/1	0.73	0.31	111,111,111,111	0
56	MG	2A	3137	1/1	0.73	0.19	134,134,134,134	0
56	MG	1A	4832	1/1	0.73	0.16	71,71,71,71	0
56	MG	1a	1661	1/1	0.73	0.29	117,117,117,117	0
56	MG	2a	1717	1/1	0.73	0.16	143,143,143,143	0
56	MG	1A	4021	1/1	0.73	0.25	76,76,76,76	0
56	MG	2A	3210	1/1	0.73	0.40	93,93,93,93	0
56	MG	1A	4507	1/1	0.73	0.20	106,106,106,106	0
56	MG	2a	1635	1/1	0.73	0.14	147,147,147,147	0
56	MG	2A	3750	1/1	0.74	0.34	104,104,104,104	0
56	MG	2A	3372	1/1	0.74	0.33	107,107,107,107	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3418	1/1	0.74	0.18	117,117,117,117	0
56	MG	2A	3753	1/1	0.74	0.15	97,97,97,97	0
56	MG	2A	3202	1/1	0.74	0.21	114,114,114,114	0
56	MG	1a	1736	1/1	0.74	0.14	145,145,145,145	0
56	MG	2a	1843	1/1	0.74	0.18	253,253,253,253	0
56	MG	2a	1736	1/1	0.74	0.18	137,137,137,137	0
56	MG	1A	4452	1/1	0.74	0.36	64,64,64,64	0
56	MG	1a	1717	1/1	0.74	0.26	110,110,110,110	0
56	MG	1A	4700	1/1	0.74	0.23	79,79,79,79	0
56	MG	1A	4278	1/1	0.74	0.20	65,65,65,65	0
56	MG	1a	1779	1/1	0.74	0.20	122,122,122,122	0
56	MG	2a	1911	1/1	0.74	0.14	140,140,140,140	0
56	MG	2A	3684	1/1	0.74	0.27	94,94,94,94	0
56	MG	2A	3520	1/1	0.74	0.28	91,91,91,91	0
56	MG	1A	4757	1/1	0.74	0.14	119,119,119,119	0
56	MG	2A	3060	1/1	0.74	0.30	85,85,85,85	0
56	MG	2a	1748	1/1	0.74	0.27	114,114,114,114	0
56	MG	1A	4070	1/1	0.74	0.20	67,67,67,67	0
56	MG	2a	1751	1/1	0.74	0.22	116,116,116,116	0
56	MG	2v	703	1/1	0.74	0.15	154,154,154,154	0
56	MG	1A	4403	1/1	0.74	0.13	62,62,62,62	0
56	MG	2A	3219	1/1	0.74	0.30	110,110,110,110	0
56	MG	2A	3346	1/1	0.74	0.41	102,102,102,102	0
56	MG	2A	3347	1/1	0.74	0.18	99,99,99,99	0
56	MG	2A	3068	1/1	0.74	0.18	148,148,148,148	0
56	MG	1A	4291	1/1	0.74	0.24	71,71,71,71	0
56	MG	2A	3361	1/1	0.74	0.28	94,94,94,94	0
56	MG	1a	1786	1/1	0.74	0.22	119,119,119,119	0
56	MG	2A	3021	1/1	0.74	0.22	112,112,112,112	0
56	MG	1a	1919	1/1	0.74	0.15	144,144,144,144	0
56	MG	2A	3646	1/1	0.74	0.20	110,110,110,110	0
56	MG	1A	4112	1/1	0.74	0.14	59,59,59,59	0
56	MG	2A	3648	1/1	0.74	0.11	137,137,137,137	0
56	MG	2i	202	1/1	0.74	0.12	255,255,255,255	0
56	MG	2i	203	1/1	0.74	0.16	234,234,234,234	0
56	MG	2a	1726	1/1	0.74	0.19	108,108,108,108	0
56	MG	2a	1605	1/1	0.74	0.21	127,127,127,127	0
56	MG	2A	3370	1/1	0.74	0.30	99,99,99,99	0
56	MG	2a	1833	1/1	0.74	0.17	161,161,161,161	0
56	MG	1A	4624	1/1	0.75	0.21	118,118,118,118	0
56	MG	2A	3402	1/1	0.75	0.16	112,112,112,112	0
56	MG	2a	1623	1/1	0.75	0.10	182,182,182,182	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3541	1/1	0.75	0.24	123,123,123,123	0
56	MG	2A	3056	1/1	0.75	0.14	107,107,107,107	0
56	MG	1A	4288	1/1	0.75	0.20	74,74,74,74	0
56	MG	2A	3558	1/1	0.75	0.21	93,93,93,93	0
56	MG	2A	3354	1/1	0.75	0.39	79,79,79,79	0
56	MG	2a	1919	1/1	0.75	0.10	155,155,155,155	0
56	MG	1a	1848	1/1	0.75	0.17	178,178,178,178	0
56	MG	2A	3773	1/1	0.75	0.29	115,115,115,115	0
56	MG	2A	3062	1/1	0.75	0.12	85,85,85,85	0
56	MG	2A	3279	1/1	0.75	0.46	80,80,80,80	0
56	MG	1a	1664	1/1	0.75	0.15	115,115,115,115	0
56	MG	1a	1666	1/1	0.75	0.30	116,116,116,116	0
56	MG	1a	1719	1/1	0.75	0.17	102,102,102,102	0
56	MG	1A	4372	1/1	0.75	0.30	57,57,57,57	0
56	MG	2A	3627	1/1	0.75	0.17	165,165,165,165	0
56	MG	1O	201	1/1	0.75	0.20	82,82,82,82	0
56	MG	2A	3383	1/1	0.75	0.28	100,100,100,100	0
56	MG	1a	1807	1/1	0.75	0.12	100,100,100,100	0
56	MG	1A	4383	1/1	0.75	0.38	65,65,65,65	0
56	MG	1A	4554	1/1	0.75	0.27	79,79,79,79	0
56	MG	1a	1751	1/1	0.75	0.18	131,131,131,131	0
56	MG	1A	4300	1/1	0.75	0.22	90,90,90,90	0
56	MG	1B	208	1/1	0.75	0.17	94,94,94,94	0
56	MG	1A	4884	1/1	0.75	0.14	84,84,84,84	0
56	MG	2A	3327	1/1	0.75	0.43	91,91,91,91	0
56	MG	1o	101	1/1	0.75	0.23	113,113,113,113	0
56	MG	2A	3091	1/1	0.75	0.31	112,112,112,112	0
56	MG	1a	1760	1/1	0.75	0.21	114,114,114,114	0
56	MG	2A	3451	1/1	0.75	0.32	99,99,99,99	0
56	MG	2a	1616	1/1	0.75	0.18	139,139,139,139	0
56	MG	1A	4051	1/1	0.75	0.21	100,100,100,100	0
56	MG	1A	5012	1/1	0.75	0.10	115,115,115,115	0
56	MG	2a	1907	1/1	0.75	0.08	256,256,256,256	0
56	MG	1A	4171	1/1	0.76	0.36	49,49,49,49	0
56	MG	1A	5005	1/1	0.76	0.11	86,86,86,86	0
56	MG	1A	4443	1/1	0.76	0.34	75,75,75,75	0
56	MG	1a	1635	1/1	0.76	0.23	121,121,121,121	0
56	MG	2A	3487	1/1	0.76	0.08	145,145,145,145	0
56	MG	2a	1793	1/1	0.76	0.09	251,251,251,251	0
56	MG	2A	3155	1/1	0.76	0.07	100,100,100,100	0
56	MG	1A	4820	1/1	0.76	0.15	72,72,72,72	0
56	MG	2a	1882	1/1	0.76	0.12	163,163,163,163	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3236	1/1	0.76	0.57	96,96,96,96	0
56	MG	1A	4449	1/1	0.76	0.12	79,79,79,79	0
56	MG	1A	4301	1/1	0.76	0.22	102,102,102,102	0
56	MG	1B	216	1/1	0.76	0.43	69,69,69,69	0
56	MG	2A	3508	1/1	0.76	0.27	97,97,97,97	0
56	MG	1A	4378	1/1	0.76	0.25	83,83,83,83	0
56	MG	2A	3349	1/1	0.76	0.24	104,104,104,104	0
56	MG	2A	3674	1/1	0.76	0.13	145,145,145,145	0
56	MG	1d	305	1/1	0.76	0.14	142,142,142,142	0
56	MG	1A	4538	1/1	0.76	0.11	83,83,83,83	0
56	MG	2A	3355	1/1	0.76	0.46	89,89,89,89	0
56	MG	2A	3522	1/1	0.76	0.27	98,98,98,98	0
56	MG	2O	301	1/1	0.76	0.17	136,136,136,136	0
56	MG	1A	4540	1/1	0.76	0.15	77,77,77,77	0
56	MG	1a	1715	1/1	0.76	0.24	123,123,123,123	0
56	MG	1A	4742	1/1	0.76	0.24	73,73,73,73	0
56	MG	1Y	301	1/1	0.76	0.14	85,85,85,85	0
56	MG	2A	3195	1/1	0.76	0.36	90,90,90,90	0
56	MG	1a	1723	1/1	0.76	0.31	118,118,118,118	0
56	MG	2A	3599	1/1	0.76	0.21	122,122,122,122	0
56	MG	2A	3604	1/1	0.76	0.20	110,110,110,110	0
56	MG	1a	1724	1/1	0.76	0.13	126,126,126,126	0
56	MG	1a	1725	1/1	0.76	0.20	117,117,117,117	0
56	MG	1A	4746	1/1	0.76	0.21	76,76,76,76	0
56	MG	2A	3535	1/1	0.76	0.10	141,141,141,141	0
56	MG	1a	1729	1/1	0.76	0.38	143,143,143,143	0
56	MG	2A	3614	1/1	0.76	0.21	102,102,102,102	0
56	MG	1A	4747	1/1	0.76	0.16	84,84,84,84	0
56	MG	1A	4546	1/1	0.76	0.14	104,104,104,104	0
56	MG	1a	1770	1/1	0.76	0.08	101,101,101,101	0
56	MG	2A	3545	1/1	0.76	0.31	97,97,97,97	0
56	MG	2a	1858	1/1	0.76	0.24	149,149,149,149	0
56	MG	2e	201	1/1	0.76	0.26	122,122,122,122	0
56	MG	2A	3548	1/1	0.76	0.16	104,104,104,104	0
56	MG	1A	4096	1/1	0.76	0.25	55,55,55,55	0
56	MG	2f	302	1/1	0.76	0.13	143,143,143,143	0
56	MG	2A	3127	1/1	0.76	0.17	135,135,135,135	0
56	MG	1A	4932	1/1	0.76	0.07	153,153,153,153	0
56	MG	2A	3005	1/1	0.76	0.24	102,102,102,102	0
56	MG	2A	3632	1/1	0.76	0.38	110,110,110,110	0
56	MG	1A	4779	1/1	0.76	0.18	68,68,68,68	0
56	MG	1A	4514	1/1	0.76	0.31	81,81,81,81	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3364	1/1	0.77	0.40	84,84,84,84	0
56	MG	2A	3292	1/1	0.77	0.36	79,79,79,79	0
56	MG	1a	1630	1/1	0.77	0.25	108,108,108,108	0
56	MG	2A	3300	1/1	0.77	0.31	96,96,96,96	0
56	MG	2A	3154	1/1	0.77	0.19	92,92,92,92	0
56	MG	1A	4164	1/1	0.77	0.25	58,58,58,58	0
56	MG	2A	3794	1/1	0.77	0.14	113,113,113,113	0
56	MG	2a	1685	1/1	0.77	0.13	167,167,167,167	0
56	MG	2A	3381	1/1	0.77	0.27	98,98,98,98	0
56	MG	2A	3307	1/1	0.77	0.12	92,92,92,92	0
56	MG	1A	4464	1/1	0.77	0.31	66,66,66,66	0
56	MG	1A	4013	1/1	0.77	0.13	81,81,81,81	0
56	MG	2A	3326	1/1	0.77	0.29	85,85,85,85	0
56	MG	1a	1866	1/1	0.77	0.12	224,224,224,224	0
56	MG	1A	4441	1/1	0.77	0.30	78,78,78,78	0
56	MG	2A	3426	1/1	0.77	0.38	93,93,93,93	0
56	MG	1A	4311	1/1	0.77	0.18	101,101,101,101	0
56	MG	1A	4948	1/1	0.77	0.11	62,62,62,62	0
56	MG	1A	4780	1/1	0.77	0.18	76,76,76,76	0
56	MG	2a	1920	1/1	0.77	0.14	222,222,222,222	0
56	MG	1A	4172	1/1	0.77	0.32	58,58,58,58	0
56	MG	2a	1613	1/1	0.77	0.31	147,147,147,147	0
56	MG	2A	3826	1/1	0.77	0.35	114,114,114,114	0
56	MG	2A	3183	1/1	0.77	0.21	124,124,124,124	0
56	MG	1a	1881	1/1	0.77	0.08	151,151,151,151	0
56	MG	1A	4080	1/1	0.77	0.30	55,55,55,55	0
56	MG	2a	1618	1/1	0.77	0.16	145,145,145,145	0
56	MG	2A	3135	1/1	0.77	0.30	105,105,105,105	0
56	MG	2a	1710	1/1	0.77	0.35	131,131,131,131	0
56	MG	2A	3835	1/1	0.77	0.32	121,121,121,121	0
56	MG	1a	1642	1/1	0.77	0.18	112,112,112,112	0
56	MG	2a	1881	1/1	0.77	0.13	171,171,171,171	0
56	MG	1a	1801	1/1	0.77	0.13	105,105,105,105	0
56	MG	2Q	203	1/1	0.77	0.10	107,107,107,107	0
56	MG	2a	1813	1/1	0.77	0.12	143,143,143,143	0
56	MG	2A	3849	1/1	0.77	0.14	153,153,153,153	0
56	MG	1a	1755	1/1	0.77	0.19	100,100,100,100	0
56	MG	2A	3470	1/1	0.77	0.29	104,104,104,104	0
56	MG	2A	3143	1/1	0.77	0.17	89,89,89,89	0
56	MG	2a	1826	1/1	0.77	0.18	162,162,162,162	0
56	MG	2A	3781	1/1	0.77	0.30	80,80,80,80	0
56	MG	2k	201	1/1	0.77	0.10	158,158,158,158	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1a	1694	1/1	0.77	0.18	125,125,125,125	0
56	MG	2A	3445	1/1	0.78	0.19	86,86,86,86	0
56	MG	1a	1898	1/1	0.78	0.21	108,108,108,108	0
56	MG	2A	3725	1/1	0.78	0.28	79,79,79,79	0
56	MG	2A	3460	1/1	0.78	0.35	106,106,106,106	0
56	MG	1A	4058	1/1	0.78	0.26	67,67,67,67	0
56	MG	2A	3546	1/1	0.78	0.32	97,97,97,97	0
56	MG	2A	3834	1/1	0.78	0.30	115,115,115,115	0
56	MG	1a	1769	1/1	0.78	0.09	131,131,131,131	0
56	MG	2A	3550	1/1	0.78	0.21	104,104,104,104	0
56	MG	1A	4804	1/1	0.78	0.20	89,89,89,89	0
56	MG	1A	4547	1/1	0.78	0.15	129,129,129,129	0
56	MG	2A	3232	1/1	0.78	0.60	95,95,95,95	0
56	MG	2A	3032	1/1	0.78	0.15	108,108,108,108	0
56	MG	2a	1795	1/1	0.78	0.09	111,111,111,111	0
56	MG	2A	3101	1/1	0.78	0.10	133,133,133,133	0
56	MG	1a	1663	1/1	0.78	0.26	115,115,115,115	0
56	MG	2A	3044	1/1	0.78	0.27	107,107,107,107	0
56	MG	1a	1908	1/1	0.78	0.21	131,131,131,131	0
56	MG	1A	4722	1/1	0.78	0.15	75,75,75,75	0
56	MG	2A	3059	1/1	0.78	0.19	88,88,88,88	0
56	MG	2a	1890	1/1	0.78	0.17	125,125,125,125	0
56	MG	2A	3492	1/1	0.78	0.08	120,120,120,120	0
56	MG	1A	4213	1/1	0.78	0.27	57,57,57,57	0
56	MG	1A	4077	1/1	0.78	0.37	78,78,78,78	0
56	MG	1y	101	1/1	0.78	0.24	87,87,87,87	0
56	MG	2A	3249	1/1	0.78	0.18	128,128,128,128	0
56	MG	1a	1913	1/1	0.78	0.29	97,97,97,97	0
56	MG	2A	3350	1/1	0.78	0.36	104,104,104,104	0
56	MG	2a	1682	1/1	0.78	0.18	131,131,131,131	0
56	MG	1A	4966	1/1	0.78	0.13	83,83,83,83	0
56	MG	2A	3775	1/1	0.78	0.13	114,114,114,114	0
56	MG	2A	3069	1/1	0.78	0.20	149,149,149,149	0
56	MG	1a	1692	1/1	0.78	0.18	129,129,129,129	0
56	MG	2A	3665	1/1	0.78	0.17	129,129,129,129	0
56	MG	1B	224	1/1	0.78	0.24	83,83,83,83	0
56	MG	2A	3256	1/1	0.78	0.21	92,92,92,92	0
56	MG	2A	3266	1/1	0.78	0.18	86,86,86,86	0
56	MG	1a	1697	1/1	0.78	0.17	142,142,142,142	0
56	MG	1A	4069	1/1	0.78	0.25	72,72,72,72	0
56	MG	1a	1673	1/1	0.78	0.16	117,117,117,117	0
56	MG	2A	3280	1/1	0.78	0.23	89,89,89,89	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2F	301	1/1	0.78	0.24	133,133,133,133	0
56	MG	1A	4230	1/1	0.78	0.08	102,102,102,102	0
56	MG	2A	3530	1/1	0.78	0.19	133,133,133,133	0
56	MG	1A	4088	1/1	0.78	0.18	66,66,66,66	0
56	MG	1A	4625	1/1	0.78	0.14	118,118,118,118	0
56	MG	1a	1892	1/1	0.78	0.19	117,117,117,117	0
56	MG	2a	1848	1/1	0.78	0.13	157,157,157,157	0
56	MG	2A	3695	1/1	0.78	0.14	84,84,84,84	0
56	MG	1A	4374	1/1	0.78	0.18	94,94,94,94	0
56	MG	2A	3812	1/1	0.78	0.18	144,144,144,144	0
56	MG	1a	1799	1/1	0.78	0.23	113,113,113,113	0
56	MG	1A	4677	1/1	0.78	0.20	102,102,102,102	0
56	MG	2A	3717	1/1	0.78	0.34	108,108,108,108	0
56	MG	2A	3537	1/1	0.78	0.14	73,73,73,73	0
56	MG	1A	4308	1/1	0.79	0.15	98,98,98,98	0
56	MG	2A	3469	1/1	0.79	0.08	115,115,115,115	0
56	MG	1y	104	1/1	0.79	0.12	99,99,99,99	0
56	MG	2A	3693	1/1	0.79	0.07	86,86,86,86	0
56	MG	1A	4327	1/1	0.79	0.26	66,66,66,66	0
56	MG	1A	4796	1/1	0.79	0.18	100,100,100,100	0
56	MG	1A	4798	1/1	0.79	0.20	62,62,62,62	0
56	MG	2A	3478	1/1	0.79	0.13	127,127,127,127	0
56	MG	2A	3006	1/1	0.79	0.22	101,101,101,101	0
56	MG	2A	3623	1/1	0.79	0.10	147,147,147,147	0
56	MG	2A	3556	1/1	0.79	0.19	96,96,96,96	0
56	MG	1A	4726	1/1	0.79	0.16	79,79,79,79	0
56	MG	2a	1806	1/1	0.79	0.26	116,116,116,116	0
56	MG	2N	201	1/1	0.79	0.13	113,113,113,113	0
56	MG	2A	3009	1/1	0.79	0.22	94,94,94,94	0
56	MG	1A	4505	1/1	0.79	0.29	92,92,92,92	0
56	MG	2A	3121	1/1	0.79	0.20	125,125,125,125	0
56	MG	1A	4193	1/1	0.79	0.29	64,64,64,64	0
56	MG	2A	3348	1/1	0.79	0.29	90,90,90,90	0
56	MG	1a	1883	1/1	0.79	0.17	124,124,124,124	0
56	MG	2A	3254	1/1	0.79	0.20	122,122,122,122	0
56	MG	1A	4466	1/1	0.79	0.37	56,56,56,56	0
56	MG	2a	1827	1/1	0.79	0.13	122,122,122,122	0
56	MG	1b	309	1/1	0.79	0.12	171,171,171,171	0
56	MG	1A	4826	1/1	0.79	0.11	91,91,91,91	0
56	MG	1A	4830	1/1	0.79	0.16	76,76,76,76	0
56	MG	20	101	1/1	0.79	0.38	128,128,128,128	0
56	MG	2A	3136	1/1	0.79	0.40	110,110,110,110	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	4163	1/1	0.79	0.26	57,57,57,57	0
56	MG	2A	3842	1/1	0.79	0.14	99,99,99,99	0
56	MG	1A	4756	1/1	0.79	0.21	106,106,106,106	0
56	MG	1a	1759	1/1	0.79	0.26	104,104,104,104	0
56	MG	28	101	1/1	0.79	0.67	109,109,109,109	0
56	MG	1A	4642	1/1	0.79	0.10	67,67,67,67	0
56	MG	1a	1761	1/1	0.79	0.18	112,112,112,112	0
56	MG	1a	1622	1/1	0.79	0.11	99,99,99,99	0
56	MG	1A	4881	1/1	0.79	0.20	82,82,82,82	0
56	MG	1a	1625	1/1	0.79	0.41	80,80,80,80	0
56	MG	2A	3221	1/1	0.79	0.16	114,114,114,114	0
56	MG	2a	1857	1/1	0.79	0.22	145,145,145,145	0
56	MG	2A	3671	1/1	0.79	0.32	85,85,85,85	0
56	MG	2a	1859	1/1	0.79	0.08	160,160,160,160	0
56	MG	1a	1861	1/1	0.79	0.12	216,216,216,216	0
56	MG	1a	1737	1/1	0.79	0.12	74,74,74,74	0
56	MG	2A	3162	1/1	0.79	0.49	102,102,102,102	0
56	MG	1A	4348	1/1	0.79	0.46	62,62,62,62	0
56	MG	2A	3449	1/1	0.79	0.23	84,84,84,84	0
56	MG	1a	1651	1/1	0.79	0.23	121,121,121,121	0
56	MG	1A	4307	1/1	0.79	0.16	96,96,96,96	0
56	MG	2A	3682	1/1	0.79	0.14	123,123,123,123	0
56	MG	2A	3308	1/1	0.79	0.15	100,100,100,100	0
56	MG	2A	3309	1/1	0.79	0.12	108,108,108,108	0
56	MG	1z	101	1/1	0.80	0.18	151,151,151,151	0
56	MG	2A	3814	1/1	0.80	0.09	128,128,128,128	0
56	MG	1A	4448	1/1	0.80	0.36	78,78,78,78	0
56	MG	1a	1794	1/1	0.80	0.07	84,84,84,84	0
56	MG	1A	4584	1/1	0.80	0.11	105,105,105,105	0
56	MG	2A	3724	1/1	0.80	0.14	91,91,91,91	0
56	MG	1A	4251	1/1	0.80	0.19	60,60,60,60	0
56	MG	2h	204	1/1	0.80	0.11	164,164,164,164	0
56	MG	2V	201	1/1	0.80	0.12	129,129,129,129	0
56	MG	2A	3825	1/1	0.80	0.16	97,97,97,97	0
56	MG	2A	3555	1/1	0.80	0.39	107,107,107,107	0
56	MG	1A	4136	1/1	0.80	0.21	92,92,92,92	0
56	MG	2A	3557	1/1	0.80	0.19	90,90,90,90	0
56	MG	2A	3737	1/1	0.80	0.26	100,100,100,100	0
56	MG	2A	3014	1/1	0.80	0.25	108,108,108,108	0
56	MG	1A	4911	1/1	0.80	0.13	62,62,62,62	0
56	MG	1a	1619	1/1	0.80	0.25	95,95,95,95	0
56	MG	1A	4315	1/1	0.80	0.21	111,111,111,111	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	4460	1/1	0.80	0.22	77,77,77,77	0
56	MG	26	103	1/1	0.80	0.24	119,119,119,119	0
56	MG	1A	4520	1/1	0.80	0.24	75,75,75,75	0
56	MG	2A	3321	1/1	0.80	0.21	86,86,86,86	0
56	MG	1a	1656	1/1	0.80	0.30	102,102,102,102	0
56	MG	1e	302	1/1	0.80	0.14	147,147,147,147	0
56	MG	1A	4640	1/1	0.80	0.20	69,69,69,69	0
56	MG	2A	3165	1/1	0.80	0.37	98,98,98,98	0
56	MG	2A	3332	1/1	0.80	0.18	97,97,97,97	0
56	MG	2a	1604	1/1	0.80	0.15	148,148,148,148	0
56	MG	2B	205	1/1	0.80	0.18	119,119,119,119	0
56	MG	2A	3170	1/1	0.80	0.17	90,90,90,90	0
56	MG	2A	3024	1/1	0.80	0.16	123,123,123,123	0
56	MG	2B	211	1/1	0.80	0.10	88,88,88,88	0
56	MG	1A	4211	1/1	0.80	0.44	57,57,57,57	0
56	MG	1A	4647	1/1	0.80	0.18	68,68,68,68	0
56	MG	1a	1847	1/1	0.80	0.10	184,184,184,184	0
56	MG	1A	4178	1/1	0.80	0.21	60,60,60,60	0
56	MG	1a	1811	1/1	0.80	0.27	99,99,99,99	0
56	MG	1A	4180	1/1	0.80	0.44	48,48,48,48	0
56	MG	2A	3034	1/1	0.80	0.16	100,100,100,100	0
56	MG	2A	3035	1/1	0.80	0.09	116,116,116,116	0
56	MG	2A	3038	1/1	0.80	0.07	69,69,69,69	0
56	MG	1A	4687	1/1	0.80	0.21	88,88,88,88	0
56	MG	2A	3257	1/1	0.80	0.32	87,87,87,87	0
56	MG	2A	3259	1/1	0.80	0.24	82,82,82,82	0
56	MG	1q	201	1/1	0.80	0.21	115,115,115,115	0
56	MG	1A	4286	1/1	0.80	0.21	71,71,71,71	0
56	MG	1A	4167	1/1	0.80	0.40	58,58,58,58	0
56	MG	1A	4352	1/1	0.80	0.25	61,61,61,61	0
56	MG	1A	4359	1/1	0.80	0.21	71,71,71,71	0
56	MG	1A	4841	1/1	0.80	0.27	103,103,103,103	0
56	MG	2A	3446	1/1	0.80	0.35	84,84,84,84	0
56	MG	1E	302	1/1	0.80	0.36	59,59,59,59	0
56	MG	2a	1850	1/1	0.80	0.17	154,154,154,154	0
56	MG	2E	303	1/1	0.80	0.04	81,81,81,81	0
56	MG	1A	4134	1/1	0.80	0.29	72,72,72,72	0
56	MG	1A	4549	1/1	0.80	0.16	125,125,125,125	0
56	MG	2A	3700	1/1	0.80	0.16	113,113,113,113	0
56	MG	1T	205	1/1	0.80	0.27	109,109,109,109	0
56	MG	1A	4079	1/1	0.81	0.31	58,58,58,58	0
56	MG	1A	5010	1/1	0.81	0.14	75,75,75,75	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1O	205	1/1	0.81	0.16	112,112,112,112	0
56	MG	2A	3476	1/1	0.81	0.12	116,116,116,116	0
56	MG	2a	1752	1/1	0.81	0.12	134,134,134,134	0
56	MG	1A	4320	1/1	0.81	0.20	91,91,91,91	0
56	MG	1A	4159	1/1	0.81	0.32	50,50,50,50	0
56	MG	1A	4712	1/1	0.81	0.25	76,76,76,76	0
56	MG	2A	3168	1/1	0.81	0.52	90,90,90,90	0
56	MG	2a	1611	1/1	0.81	0.09	143,143,143,143	0
56	MG	2a	1759	1/1	0.81	0.10	218,218,218,218	0
56	MG	1A	4390	1/1	0.81	0.20	82,82,82,82	0
56	MG	1A	4161	1/1	0.81	0.30	58,58,58,58	0
56	MG	2A	3174	1/1	0.81	0.22	109,109,109,109	0
56	MG	1a	1603	1/1	0.81	0.20	98,98,98,98	0
56	MG	1A	4727	1/1	0.81	0.12	82,82,82,82	0
56	MG	2A	3655	1/1	0.81	0.23	117,117,117,117	0
56	MG	2a	1689	1/1	0.81	0.25	156,156,156,156	0
56	MG	2A	3500	1/1	0.81	0.33	93,93,93,93	0
56	MG	1A	4271	1/1	0.81	0.23	62,62,62,62	0
56	MG	1A	4734	1/1	0.81	0.12	64,64,64,64	0
56	MG	1A	4220	1/1	0.81	0.19	60,60,60,60	0
56	MG	1A	4886	1/1	0.81	0.13	67,67,67,67	0
56	MG	2k	202	1/1	0.81	0.24	124,124,124,124	0
56	MG	1A	4006	1/1	0.81	0.13	59,59,59,59	0
56	MG	2A	3509	1/1	0.81	0.23	93,93,93,93	0
56	MG	1A	4428	1/1	0.81	0.13	59,59,59,59	0
56	MG	1A	4429	1/1	0.81	0.56	54,54,54,54	0
56	MG	1B	201	1/1	0.81	0.21	106,106,106,106	0
56	MG	1A	4895	1/1	0.81	0.28	59,59,59,59	0
56	MG	1A	4618	1/1	0.81	0.12	95,95,95,95	0
56	MG	2A	3262	1/1	0.81	0.29	73,73,73,73	0
56	MG	1A	4431	1/1	0.81	0.22	72,72,72,72	0
56	MG	2A	3797	1/1	0.81	0.17	97,97,97,97	0
56	MG	2p	101	1/1	0.81	0.22	154,154,154,154	0
56	MG	2A	3359	1/1	0.81	0.43	84,84,84,84	0
56	MG	1A	4432	1/1	0.81	0.09	95,95,95,95	0
56	MG	2A	3427	1/1	0.81	0.23	95,95,95,95	0
56	MG	2A	3362	1/1	0.81	0.14	99,99,99,99	0
56	MG	2A	3807	1/1	0.81	0.11	132,132,132,132	0
56	MG	2P	203	1/1	0.81	0.30	113,113,113,113	0
56	MG	2A	3128	1/1	0.81	0.35	130,130,130,130	0
56	MG	2A	3276	1/1	0.81	0.25	85,85,85,85	0
56	MG	2a	1646	1/1	0.81	0.08	120,120,120,120	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2a	1889	1/1	0.81	0.17	127,127,127,127	0
56	MG	2A	3603	1/1	0.81	0.20	103,103,103,103	0
56	MG	1B	210	1/1	0.81	0.20	89,89,89,89	0
56	MG	1A	4227	1/1	0.81	0.12	86,86,86,86	0
56	MG	2A	3816	1/1	0.81	0.16	121,121,121,121	0
56	MG	2A	3608	1/1	0.81	0.11	111,111,111,111	0
56	MG	2A	3713	1/1	0.81	0.25	112,112,112,112	0
56	MG	2A	3609	1/1	0.81	0.13	132,132,132,132	0
56	MG	1A	4365	1/1	0.81	0.31	58,58,58,58	0
56	MG	1A	4446	1/1	0.81	0.27	59,59,59,59	0
56	MG	1A	4063	1/1	0.81	0.18	64,64,64,64	0
56	MG	2A	3827	1/1	0.81	0.15	105,105,105,105	0
56	MG	1A	4010	1/1	0.81	0.14	73,73,73,73	0
56	MG	2a	1809	1/1	0.81	0.11	122,122,122,122	0
56	MG	2A	3017	1/1	0.81	0.12	111,111,111,111	0
56	MG	2A	3539	1/1	0.81	0.12	125,125,125,125	0
56	MG	2A	3450	1/1	0.81	0.26	85,85,85,85	0
56	MG	2a	1817	1/1	0.81	0.11	133,133,133,133	0
56	MG	1A	4243	1/1	0.81	0.16	65,65,65,65	0
56	MG	1A	4972	1/1	0.81	0.17	77,77,77,77	0
56	MG	1A	4815	1/1	0.81	0.18	77,77,77,77	0
56	MG	2A	3151	1/1	0.81	0.09	97,97,97,97	0
56	MG	1d	302	1/1	0.81	0.11	149,149,149,149	0
56	MG	2A	3551	1/1	0.81	0.20	104,104,104,104	0
56	MG	1E	301	1/1	0.81	0.35	57,57,57,57	0
56	MG	1a	1890	1/1	0.82	0.07	218,218,218,218	0
56	MG	2A	3543	1/1	0.82	0.16	100,100,100,100	0
56	MG	1B	204	1/1	0.82	0.14	93,93,93,93	0
56	MG	1a	1846	1/1	0.82	0.20	193,193,193,193	0
56	MG	2A	3547	1/1	0.82	0.21	104,104,104,104	0
56	MG	1A	4965	1/1	0.82	0.41	66,66,66,66	0
56	MG	2A	3481	1/1	0.82	0.23	112,112,112,112	0
56	MG	1a	1618	1/1	0.82	0.29	94,94,94,94	0
56	MG	1A	4393	1/1	0.82	0.16	84,84,84,84	0
56	MG	1a	1850	1/1	0.82	0.29	113,113,113,113	0
56	MG	2A	3616	1/1	0.82	0.22	93,93,93,93	0
56	MG	2A	3617	1/1	0.82	0.29	102,102,102,102	0
56	MG	2A	3554	1/1	0.82	0.18	89,89,89,89	0
56	MG	1A	4323	1/1	0.82	0.21	85,85,85,85	0
56	MG	2D	301	1/1	0.82	0.11	74,74,74,74	0
56	MG	2A	3356	1/1	0.82	0.28	80,80,80,80	0
56	MG	2A	3029	1/1	0.82	0.18	105,105,105,105	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1B	209	1/1	0.82	0.25	89,89,89,89	0
56	MG	1A	4053	1/1	0.82	0.22	112,112,112,112	0
56	MG	1A	4155	1/1	0.82	0.24	60,60,60,60	0
56	MG	1A	4867	1/1	0.82	0.19	58,58,58,58	0
56	MG	1A	4417	1/1	0.82	0.34	52,52,52,52	0
56	MG	2A	3507	1/1	0.82	0.14	128,128,128,128	0
56	MG	2A	3634	1/1	0.82	0.17	104,104,104,104	0
56	MG	1A	4656	1/1	0.82	0.23	80,80,80,80	0
56	MG	2A	3637	1/1	0.82	0.32	88,88,88,88	0
56	MG	2a	1904	1/1	0.82	0.12	245,245,245,245	0
56	MG	2A	3040	1/1	0.82	0.17	116,116,116,116	0
56	MG	1A	4052	1/1	0.82	0.27	92,92,92,92	0
56	MG	1B	220	1/1	0.82	0.27	79,79,79,79	0
56	MG	2A	3745	1/1	0.82	0.37	112,112,112,112	0
56	MG	2A	3371	1/1	0.82	0.11	113,113,113,113	0
56	MG	1A	4375	1/1	0.82	0.44	65,65,65,65	0
56	MG	1A	4463	1/1	0.82	0.20	62,62,62,62	0
56	MG	1B	225	1/1	0.82	0.14	92,92,92,92	0
56	MG	1A	4695	1/1	0.82	0.23	74,74,74,74	0
56	MG	20	103	1/1	0.82	0.19	97,97,97,97	0
56	MG	1A	4087	1/1	0.82	0.07	69,69,69,69	0
56	MG	2A	3845	1/1	0.82	0.10	85,85,85,85	0
56	MG	1A	4908	1/1	0.82	0.23	64,64,64,64	0
56	MG	1A	4269	1/1	0.82	0.11	69,69,69,69	0
56	MG	2A	3011	1/1	0.82	0.21	104,104,104,104	0
56	MG	2c	301	1/1	0.82	0.06	225,225,225,225	0
56	MG	1A	4216	1/1	0.82	0.18	62,62,62,62	0
56	MG	2A	3123	1/1	0.82	0.10	133,133,133,133	0
56	MG	1A	4723	1/1	0.82	0.13	77,77,77,77	0
56	MG	1A	4619	1/1	0.82	0.10	103,103,103,103	0
56	MG	2A	3666	1/1	0.82	0.35	101,101,101,101	0
56	MG	2A	3462	1/1	0.82	0.24	104,104,104,104	0
56	MG	1A	4621	1/1	0.82	0.21	114,114,114,114	0
56	MG	1A	4935	1/1	0.82	0.20	67,67,67,67	0
56	MG	1A	4526	1/1	0.82	0.09	54,54,54,54	0
56	MG	1A	4360	1/1	0.82	0.12	88,88,88,88	0
56	MG	2A	3343	1/1	0.82	0.31	89,89,89,89	0
56	MG	2A	3345	1/1	0.82	0.26	83,83,83,83	0
56	MG	2A	3382	1/1	0.83	0.28	101,101,101,101	0
56	MG	1A	4519	1/1	0.83	0.23	94,94,94,94	0
56	MG	1A	4662	1/1	0.83	0.19	87,87,87,87	0
56	MG	2A	3479	1/1	0.83	0.12	122,122,122,122	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	4484	1/1	0.83	0.20	60,60,60,60	0
56	MG	1S	202	1/1	0.83	0.15	92,92,92,92	0
56	MG	2d	302	1/1	0.83	0.11	164,164,164,164	0
56	MG	1a	1893	1/1	0.83	0.23	98,98,98,98	0
56	MG	1A	4764	1/1	0.83	0.13	64,64,64,64	0
56	MG	1A	4767	1/1	0.83	0.15	80,80,80,80	0
56	MG	1A	4768	1/1	0.83	0.18	65,65,65,65	0
56	MG	1a	1897	1/1	0.83	0.13	124,124,124,124	0
56	MG	2A	3678	1/1	0.83	0.25	100,100,100,100	0
56	MG	1A	4772	1/1	0.83	0.27	70,70,70,70	0
56	MG	18	102	1/1	0.83	0.09	66,66,66,66	0
56	MG	2A	3301	1/1	0.83	0.14	96,96,96,96	0
56	MG	2A	3683	1/1	0.83	0.32	102,102,102,102	0
56	MG	2A	3209	1/1	0.83	0.27	93,93,93,93	0
56	MG	1a	1796	1/1	0.83	0.26	105,105,105,105	0
56	MG	2a	1755	1/1	0.83	0.14	168,168,168,168	0
56	MG	1A	4366	1/1	0.83	0.34	60,60,60,60	0
56	MG	2A	3213	1/1	0.83	0.42	88,88,88,88	0
56	MG	1a	1698	1/1	0.83	0.22	120,120,120,120	0
56	MG	1A	4617	1/1	0.83	0.08	98,98,98,98	0
56	MG	2A	3316	1/1	0.83	0.15	85,85,85,85	0
56	MG	2A	3217	1/1	0.83	0.23	91,91,91,91	0
56	MG	2A	3320	1/1	0.83	0.28	88,88,88,88	0
56	MG	1a	1749	1/1	0.83	0.17	134,134,134,134	0
56	MG	1A	4690	1/1	0.83	0.09	83,83,83,83	0
56	MG	2A	3077	1/1	0.83	0.33	108,108,108,108	0
56	MG	1A	4427	1/1	0.83	0.27	53,53,53,53	0
56	MG	2A	3010	1/1	0.83	0.41	88,88,88,88	0
56	MG	1A	4156	1/1	0.83	0.14	54,54,54,54	0
56	MG	1A	4246	1/1	0.83	0.26	51,51,51,51	0
56	MG	2A	3722	1/1	0.83	0.20	128,128,128,128	0
56	MG	1A	4802	1/1	0.83	0.09	73,73,73,73	0
56	MG	1A	4931	1/1	0.83	0.06	125,125,125,125	0
56	MG	2A	3159	1/1	0.83	0.17	100,100,100,100	0
56	MG	2A	3089	1/1	0.83	0.18	122,122,122,122	0
56	MG	1A	4714	1/1	0.83	0.10	99,99,99,99	0
56	MG	1A	4715	1/1	0.83	0.19	90,90,90,90	0
56	MG	1a	1762	1/1	0.83	0.16	103,103,103,103	0
56	MG	2A	3619	1/1	0.83	0.17	133,133,133,133	0
56	MG	1A	4812	1/1	0.83	0.18	72,72,72,72	0
56	MG	1A	4130	1/1	0.83	0.14	58,58,58,58	0
56	MG	1A	4462	1/1	0.83	0.29	74,74,74,74	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3171	1/1	0.83	0.23	88,88,88,88	0
56	MG	1A	4402	1/1	0.83	0.24	73,73,73,73	0
56	MG	1A	4823	1/1	0.83	0.13	74,74,74,74	0
56	MG	1A	4280	1/1	0.83	0.32	55,55,55,55	0
56	MG	2A	3177	1/1	0.83	0.20	113,113,113,113	0
56	MG	1a	1676	1/1	0.83	0.09	151,151,151,151	0
56	MG	1A	4111	1/1	0.83	0.21	49,49,49,49	0
56	MG	1a	1773	1/1	0.83	0.11	143,143,143,143	0
56	MG	2A	3457	1/1	0.83	0.25	93,93,93,93	0
56	MG	2A	3182	1/1	0.83	0.14	105,105,105,105	0
56	MG	1A	4242	1/1	0.83	0.19	71,71,71,71	0
56	MG	1A	4644	1/1	0.83	0.26	65,65,65,65	0
56	MG	2A	3463	1/1	0.83	0.16	67,67,67,67	0
56	MG	1A	4550	1/1	0.83	0.10	89,89,89,89	0
56	MG	2A	3769	1/1	0.83	0.21	90,90,90,90	0
56	MG	1A	4848	1/1	0.83	0.22	74,74,74,74	0
56	MG	2A	3466	1/1	0.83	0.20	129,129,129,129	0
56	MG	2A	3271	1/1	0.83	0.22	113,113,113,113	0
56	MG	2A	3559	1/1	0.83	0.25	91,91,91,91	0
56	MG	2A	3780	1/1	0.83	0.17	90,90,90,90	0
56	MG	1A	4862	1/1	0.83	0.20	74,74,74,74	0
56	MG	2D	306	1/1	0.83	0.09	101,101,101,101	0
56	MG	2a	1644	1/1	0.83	0.15	125,125,125,125	0
56	MG	2A	3472	1/1	0.83	0.16	99,99,99,99	0
56	MG	2A	3380	1/1	0.83	0.28	93,93,93,93	0
56	MG	2A	3784	1/1	0.83	0.10	110,110,110,110	0
56	MG	2A	3196	1/1	0.83	0.33	92,92,92,92	0
56	MG	1A	4451	1/1	0.84	0.20	70,70,70,70	0
56	MG	1s	102	1/1	0.84	0.15	229,229,229,229	0
56	MG	2A	3706	1/1	0.84	0.24	94,94,94,94	0
56	MG	1A	4335	1/1	0.84	0.41	76,76,76,76	0
56	MG	2A	3715	1/1	0.84	0.20	109,109,109,109	0
56	MG	1A	4915	1/1	0.84	0.09	85,85,85,85	0
56	MG	2A	3452	1/1	0.84	0.20	90,90,90,90	0
56	MG	1A	4523	1/1	0.84	0.29	68,68,68,68	0
56	MG	2A	3459	1/1	0.84	0.34	98,98,98,98	0
56	MG	1A	4454	1/1	0.84	0.17	78,78,78,78	0
56	MG	1B	217	1/1	0.84	0.14	71,71,71,71	0
56	MG	2B	219	1/1	0.84	0.09	77,77,77,77	0
56	MG	1A	4338	1/1	0.84	0.18	67,67,67,67	0
56	MG	1A	4785	1/1	0.84	0.09	70,70,70,70	0
56	MG	2A	3342	1/1	0.84	0.30	86,86,86,86	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	4661	1/1	0.84	0.19	80,80,80,80	0
56	MG	1A	4933	1/1	0.84	0.09	102,102,102,102	0
56	MG	1a	1870	1/1	0.84	0.19	220,220,220,220	0
56	MG	2A	3589	1/1	0.84	0.17	127,127,127,127	0
56	MG	2a	1777	1/1	0.84	0.24	117,117,117,117	0
56	MG	2A	3002	1/1	0.84	0.15	99,99,99,99	0
56	MG	2A	3003	1/1	0.84	0.17	108,108,108,108	0
56	MG	1D	305	1/1	0.84	0.19	81,81,81,81	0
56	MG	1A	4302	1/1	0.84	0.18	80,80,80,80	0
56	MG	1A	4797	1/1	0.84	0.17	78,78,78,78	0
56	MG	1a	1880	1/1	0.84	0.09	125,125,125,125	0
56	MG	2D	302	1/1	0.84	0.13	80,80,80,80	0
56	MG	2D	305	1/1	0.84	0.14	96,96,96,96	0
56	MG	1A	4075	1/1	0.84	0.34	83,83,83,83	0
56	MG	2a	1788	1/1	0.84	0.14	229,229,229,229	0
56	MG	1A	4127	1/1	0.84	0.37	63,63,63,63	0
56	MG	1O	204	1/1	0.84	0.12	87,87,87,87	0
56	MG	1A	4158	1/1	0.84	0.17	58,58,58,58	0
56	MG	2A	3360	1/1	0.84	0.30	78,78,78,78	0
56	MG	1A	4806	1/1	0.84	0.29	73,73,73,73	0
56	MG	1a	1667	1/1	0.84	0.17	132,132,132,132	0
56	MG	2A	3760	1/1	0.84	0.16	133,133,133,133	0
56	MG	2P	201	1/1	0.84	0.38	100,100,100,100	0
56	MG	1A	4689	1/1	0.84	0.16	89,89,89,89	0
56	MG	2f	303	1/1	0.84	0.05	135,135,135,135	0
56	MG	2A	3240	1/1	0.84	0.14	120,120,120,120	0
56	MG	1A	4029	1/1	0.84	0.24	51,51,51,51	0
56	MG	2A	3242	1/1	0.84	0.31	106,106,106,106	0
56	MG	1a	1818	1/1	0.84	0.17	186,186,186,186	0
56	MG	1A	4981	1/1	0.84	0.24	57,57,57,57	0
56	MG	1A	4197	1/1	0.84	0.25	94,94,94,94	0
56	MG	1A	4696	1/1	0.84	0.20	72,72,72,72	0
56	MG	2A	3379	1/1	0.84	0.16	101,101,101,101	0
56	MG	1A	4131	1/1	0.84	0.22	56,56,56,56	0
56	MG	1a	1901	1/1	0.84	0.09	113,113,113,113	0
56	MG	2a	1694	1/1	0.84	0.16	146,146,146,146	0
56	MG	2A	3511	1/1	0.84	0.17	89,89,89,89	0
56	MG	1A	4106	1/1	0.84	0.34	50,50,50,50	0
56	MG	1a	1604	1/1	0.84	0.22	98,98,98,98	0
56	MG	1a	1905	1/1	0.84	0.30	108,108,108,108	0
56	MG	1a	1754	1/1	0.84	0.40	100,100,100,100	0
56	MG	2A	3146	1/1	0.84	0.20	87,87,87,87	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1a	1907	1/1	0.84	0.13	117,117,117,117	0
56	MG	2A	3791	1/1	0.84	0.27	93,93,93,93	0
56	MG	1a	1606	1/1	0.84	0.14	115,115,115,115	0
56	MG	1a	1756	1/1	0.84	0.21	109,109,109,109	0
56	MG	2A	3525	1/1	0.84	0.17	106,106,106,106	0
56	MG	1A	4368	1/1	0.84	0.24	63,63,63,63	0
56	MG	1a	1911	1/1	0.84	0.05	105,105,105,105	0
56	MG	2A	3157	1/1	0.84	0.10	102,102,102,102	0
56	MG	2A	3264	1/1	0.84	0.39	81,81,81,81	0
56	MG	1A	4202	1/1	0.84	0.14	95,95,95,95	0
56	MG	1a	1615	1/1	0.84	0.20	92,92,92,92	0
56	MG	2A	3806	1/1	0.84	0.22	114,114,114,114	0
56	MG	1A	5035	1/1	0.84	0.25	68,68,68,68	0
56	MG	1A	5036	1/1	0.84	0.10	72,72,72,72	0
56	MG	2A	3272	1/1	0.84	0.37	81,81,81,81	0
56	MG	2A	3050	1/1	0.84	0.18	93,93,93,93	0
56	MG	2A	3278	1/1	0.84	0.33	86,86,86,86	0
56	MG	1A	4721	1/1	0.84	0.17	82,82,82,82	0
56	MG	1A	4563	1/1	0.84	0.17	68,68,68,68	0
56	MG	1A	4581	1/1	0.84	0.28	61,61,61,61	0
56	MG	1A	4844	1/1	0.84	0.10	77,77,77,77	0
56	MG	1A	4495	1/1	0.84	0.19	78,78,78,78	0
56	MG	1a	1628	1/1	0.84	0.21	101,101,101,101	0
56	MG	1A	4501	1/1	0.84	0.18	71,71,71,71	0
56	MG	1A	4606	1/1	0.84	0.14	67,67,67,67	0
56	MG	2w	202	1/1	0.84	0.16	88,88,88,88	0
56	MG	1A	4084	1/1	0.84	0.24	61,61,61,61	0
56	MG	1A	4874	1/1	0.84	0.15	87,87,87,87	0
56	MG	1A	5062	1/1	0.84	0.17	87,87,87,87	0
56	MG	2A	3299	1/1	0.84	0.32	91,91,91,91	0
56	MG	1A	4294	1/1	0.84	0.16	84,84,84,84	0
56	MG	2A	3833	1/1	0.84	0.23	111,111,111,111	0
56	MG	1A	4297	1/1	0.84	0.16	99,99,99,99	0
56	MG	1A	4141	1/1	0.84	0.28	63,63,63,63	0
56	MG	1A	4887	1/1	0.84	0.15	67,67,67,67	0
56	MG	2A	3840	1/1	0.84	0.26	117,117,117,117	0
56	MG	2A	3186	1/1	0.84	0.25	105,105,105,105	0
56	MG	1A	4510	1/1	0.84	0.19	69,69,69,69	0
56	MG	2A	3190	1/1	0.84	0.22	98,98,98,98	0
56	MG	2A	3434	1/1	0.84	0.20	95,95,95,95	0
56	MG	1A	4447	1/1	0.84	0.20	65,65,65,65	0
56	MG	2A	3312	1/1	0.84	0.14	129,129,129,129	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	4147	1/1	0.84	0.23	57,57,57,57	0
56	MG	1A	4389	1/1	0.84	0.16	78,78,78,78	0
56	MG	1a	1718	1/1	0.84	0.15	107,107,107,107	0
60	K	2A	3001	1/1	0.84	0.22	108,108,108,108	0
56	MG	2a	1823	1/1	0.85	0.12	153,153,153,153	0
56	MG	2A	3602	1/1	0.85	0.14	97,97,97,97	0
56	MG	1A	4019	1/1	0.85	0.17	77,77,77,77	0
56	MG	2A	3079	1/1	0.85	0.14	125,125,125,125	0
56	MG	1A	4778	1/1	0.85	0.18	71,71,71,71	0
56	MG	2A	3709	1/1	0.85	0.19	93,93,93,93	0
56	MG	1A	4868	1/1	0.85	0.29	62,62,62,62	0
56	MG	2Y	202	1/1	0.85	0.12	137,137,137,137	0
56	MG	1a	1652	1/1	0.85	0.28	117,117,117,117	0
56	MG	2Z	402	1/1	0.85	0.12	120,120,120,120	0
56	MG	2A	3431	1/1	0.85	0.23	93,93,93,93	0
56	MG	1A	4425	1/1	0.85	0.21	78,78,78,78	0
56	MG	2a	1667	1/1	0.85	0.12	151,151,151,151	0
56	MG	2A	3169	1/1	0.85	0.21	81,81,81,81	0
56	MG	1A	5019	1/1	0.85	0.13	75,75,75,75	0
56	MG	1A	5021	1/1	0.85	0.13	81,81,81,81	0
56	MG	1A	4880	1/1	0.85	0.14	83,83,83,83	0
56	MG	2A	3173	1/1	0.85	0.11	87,87,87,87	0
56	MG	1A	4703	1/1	0.85	0.18	64,64,64,64	0
56	MG	1A	4882	1/1	0.85	0.19	82,82,82,82	0
56	MG	2a	1854	1/1	0.85	0.11	286,286,286,286	0
56	MG	1A	4361	1/1	0.85	0.12	84,84,84,84	0
56	MG	1A	5047	1/1	0.85	0.08	89,89,89,89	0
56	MG	1A	4885	1/1	0.85	0.23	92,92,92,92	0
56	MG	1A	4455	1/1	0.85	0.13	75,75,75,75	0
56	MG	2A	3263	1/1	0.85	0.21	89,89,89,89	0
56	MG	2A	3742	1/1	0.85	0.21	91,91,91,91	0
56	MG	1A	4384	1/1	0.85	0.20	66,66,66,66	0
56	MG	1A	4888	1/1	0.85	0.07	69,69,69,69	0
56	MG	1A	4386	1/1	0.85	0.34	64,64,64,64	0
56	MG	1A	4279	1/1	0.85	0.11	64,64,64,64	0
56	MG	1A	4001	1/1	0.85	0.25	65,65,65,65	0
56	MG	1A	4560	1/1	0.85	0.12	59,59,59,59	0
56	MG	1A	4901	1/1	0.85	0.29	61,61,61,61	0
56	MG	2a	1872	1/1	0.85	0.15	120,120,120,120	0
56	MG	1A	4093	1/1	0.85	0.21	62,62,62,62	0
56	MG	2B	206	1/1	0.85	0.17	103,103,103,103	0
56	MG	1A	4730	1/1	0.85	0.14	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	2A	3110	1/1	0.85	0.08	189,189,189,189	0
56	MG	2A	3026	1/1	0.85	0.20	117,117,117,117	0
56	MG	1A	4657	1/1	0.85	0.12	84,84,84,84	0
56	MG	1a	1624	1/1	0.85	0.19	102,102,102,102	0
56	MG	1A	4813	1/1	0.85	0.20	70,70,70,70	0
56	MG	1A	4660	1/1	0.85	0.28	84,84,84,84	0
56	MG	1A	4737	1/1	0.85	0.10	76,76,76,76	0
56	MG	1B	207	1/1	0.85	0.15	88,88,88,88	0
56	MG	2A	3291	1/1	0.85	0.26	75,75,75,75	0
56	MG	2A	3568	1/1	0.85	0.26	92,92,92,92	0
56	MG	1A	4433	1/1	0.85	0.18	79,79,79,79	0
56	MG	1A	4391	1/1	0.85	0.23	93,93,93,93	0
56	MG	1A	4666	1/1	0.85	0.29	78,78,78,78	0
56	MG	1a	1750	1/1	0.85	0.13	134,134,134,134	0
56	MG	2A	3664	1/1	0.85	0.17	112,112,112,112	0
56	MG	1A	4345	1/1	0.85	0.24	65,65,65,65	0
56	MG	1A	4600	1/1	0.85	0.15	78,78,78,78	0
56	MG	1A	4956	1/1	0.85	0.11	71,71,71,71	0
56	MG	2A	3055	1/1	0.85	0.15	102,102,102,102	0
56	MG	1A	4762	1/1	0.85	0.22	71,71,71,71	0
56	MG	1a	1873	1/1	0.85	0.19	214,214,214,214	0
56	MG	1A	4962	1/1	0.85	0.11	69,69,69,69	0
56	MG	1A	4833	1/1	0.85	0.20	70,70,70,70	0
56	MG	1A	4838	1/1	0.85	0.22	73,73,73,73	0
56	MG	2A	3145	1/1	0.85	0.14	100,100,100,100	0
56	MG	1A	4117	1/1	0.85	0.18	73,73,73,73	0
56	MG	2A	3231	1/1	0.85	0.23	95,95,95,95	0
56	MG	1A	4309	1/1	0.85	0.23	79,79,79,79	0
56	MG	1a	1700	1/1	0.85	0.18	161,161,161,161	0
56	MG	2A	3686	1/1	0.85	0.13	107,107,107,107	0
56	MG	1a	1824	1/1	0.85	0.09	213,213,213,213	0
56	MG	1A	4196	1/1	0.85	0.19	73,73,73,73	0
56	MG	1a	1703	1/1	0.85	0.17	149,149,149,149	0
56	MG	1A	4977	1/1	0.85	0.19	78,78,78,78	0
56	MG	2A	3334	1/1	0.85	0.25	105,105,105,105	0
56	MG	1A	4377	1/1	0.85	0.25	80,80,80,80	0
59	GDP	2v	704	28/28	0.85	0.11	186,186,186,186	0
56	MG	2A	3811	1/1	0.85	0.15	115,115,115,115	0
56	MG	2a	1816	1/1	0.86	0.09	156,156,156,156	0
56	MG	1A	4439	1/1	0.86	0.15	80,80,80,80	0
56	MG	2a	1819	1/1	0.86	0.16	150,150,150,150	0
56	MG	1A	4138	1/1	0.86	0.18	72,72,72,72	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3277	1/1	0.86	0.28	88,88,88,88	0
56	MG	1A	4027	1/1	0.86	0.10	62,62,62,62	0
56	MG	1A	4731	1/1	0.86	0.26	54,54,54,54	0
56	MG	1a	1709	1/1	0.86	0.19	107,107,107,107	0
56	MG	1a	1891	1/1	0.86	0.14	89,89,89,89	0
56	MG	1a	1841	1/1	0.86	0.08	231,231,231,231	0
56	MG	2a	1744	1/1	0.86	0.22	95,95,95,95	0
56	MG	1A	4667	1/1	0.86	0.22	75,75,75,75	0
56	MG	1A	4669	1/1	0.86	0.20	89,89,89,89	0
56	MG	1A	4878	1/1	0.86	0.17	77,77,77,77	0
56	MG	2A	3216	1/1	0.86	0.17	100,100,100,100	0
56	MG	2A	3373	1/1	0.86	0.32	93,93,93,93	0
56	MG	1A	4879	1/1	0.86	0.08	77,77,77,77	0
56	MG	1a	1716	1/1	0.86	0.12	120,120,120,120	0
56	MG	1A	4410	1/1	0.86	0.30	47,47,47,47	0
56	MG	1A	4275	1/1	0.86	0.23	65,65,65,65	0
56	MG	1A	4960	1/1	0.86	0.09	91,91,91,91	0
56	MG	2A	3227	1/1	0.86	0.32	94,94,94,94	0
56	MG	2h	201	1/1	0.86	0.09	179,179,179,179	0
56	MG	2A	3228	1/1	0.86	0.27	98,98,98,98	0
56	MG	1A	4110	1/1	0.86	0.17	54,54,54,54	0
56	MG	2A	3304	1/1	0.86	0.12	127,127,127,127	0
56	MG	1A	4316	1/1	0.86	0.25	85,85,85,85	0
56	MG	1A	4126	1/1	0.86	0.17	78,78,78,78	0
56	MG	2a	1762	1/1	0.86	0.07	235,235,235,235	0
56	MG	2A	3233	1/1	0.86	0.35	101,101,101,101	0
56	MG	1A	4626	1/1	0.86	0.21	95,95,95,95	0
56	MG	2A	3042	1/1	0.86	0.07	112,112,112,112	0
56	MG	1A	4521	1/1	0.86	0.24	79,79,79,79	0
56	MG	1A	4039	1/1	0.86	0.17	79,79,79,79	0
56	MG	1A	4264	1/1	0.86	0.22	61,61,61,61	0
56	MG	2A	3175	1/1	0.86	0.08	58,58,58,58	0
56	MG	2A	3484	1/1	0.86	0.10	119,119,119,119	0
56	MG	2B	209	1/1	0.86	0.10	77,77,77,77	0
56	MG	2A	3052	1/1	0.86	0.20	103,103,103,103	0
56	MG	2A	3325	1/1	0.86	0.17	88,88,88,88	0
56	MG	2A	3649	1/1	0.86	0.21	110,110,110,110	0
56	MG	2A	3488	1/1	0.86	0.07	115,115,115,115	0
56	MG	19	101	1/1	0.86	0.11	71,71,71,71	0
56	MG	1A	4353	1/1	0.86	0.24	59,59,59,59	0
56	MG	2A	3770	1/1	0.86	0.30	87,87,87,87	0
56	MG	2A	3114	1/1	0.86	0.14	153,153,153,153	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3575	1/1	0.86	0.07	70,70,70,70	0
56	MG	2A	3406	1/1	0.86	0.31	140,140,140,140	0
56	MG	1A	4993	1/1	0.86	0.09	85,85,85,85	0
56	MG	2a	1784	1/1	0.86	0.07	90,90,90,90	0
56	MG	1A	4587	1/1	0.86	0.30	72,72,72,72	0
56	MG	2A	3668	1/1	0.86	0.24	91,91,91,91	0
56	MG	1A	5009	1/1	0.86	0.17	72,72,72,72	0
56	MG	1a	1650	1/1	0.86	0.16	123,123,123,123	0
56	MG	2A	3065	1/1	0.86	0.13	117,117,117,117	0
56	MG	2a	1707	1/1	0.86	0.07	85,85,85,85	0
56	MG	2A	3338	1/1	0.86	0.27	86,86,86,86	0
56	MG	1A	4589	1/1	0.86	0.17	79,79,79,79	0
56	MG	1A	4356	1/1	0.86	0.31	75,75,75,75	0
56	MG	1A	5014	1/1	0.86	0.10	71,71,71,71	0
56	MG	2A	3194	1/1	0.86	0.10	109,109,109,109	0
56	MG	2a	1895	1/1	0.86	0.18	156,156,156,156	0
56	MG	2A	3516	1/1	0.86	0.08	82,82,82,82	0
56	MG	1A	4659	1/1	0.86	0.05	87,87,87,87	0
56	MG	2a	1898	1/1	0.86	0.06	160,160,160,160	0
56	MG	2A	3519	1/1	0.86	0.22	91,91,91,91	0
56	MG	1A	4358	1/1	0.86	0.18	72,72,72,72	0
56	MG	2A	3132	1/1	0.86	0.11	141,141,141,141	0
56	MG	2A	3013	1/1	0.86	0.18	118,118,118,118	0
56	MG	1A	5020	1/1	0.86	0.14	69,69,69,69	0
56	MG	2A	3200	1/1	0.86	0.18	109,109,109,109	0
56	MG	2A	3805	1/1	0.86	0.14	100,100,100,100	0
56	MG	1a	1621	1/1	0.86	0.07	97,97,97,97	0
56	MG	1a	1658	1/1	0.86	0.15	114,114,114,114	0
56	MG	1A	4724	1/1	0.86	0.23	80,80,80,80	0
56	MG	2A	3809	1/1	0.86	0.23	86,86,86,86	0
56	MG	2a	1811	1/1	0.86	0.12	129,129,129,129	0
56	MG	2A	3605	1/1	0.86	0.20	105,105,105,105	0
56	MG	2A	3606	1/1	0.86	0.14	137,137,137,137	0
56	MG	2A	3139	1/1	0.86	0.14	102,102,102,102	0
56	MG	1A	5059	1/1	0.87	0.07	86,86,86,86	0
56	MG	1A	4897	1/1	0.87	0.17	66,66,66,66	0
56	MG	1A	4364	1/1	0.87	0.24	72,72,72,72	0
56	MG	1A	4903	1/1	0.87	0.13	61,61,61,61	0
56	MG	1A	4670	1/1	0.87	0.11	71,71,71,71	0
56	MG	1A	4553	1/1	0.87	0.09	91,91,91,91	0
56	MG	1A	4912	1/1	0.87	0.11	57,57,57,57	0
56	MG	1A	4681	1/1	0.87	0.12	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	3080	1/1	0.87	0.11	127,127,127,127	0
56	MG	1A	4037	1/1	0.87	0.27	89,89,89,89	0
56	MG	1A	4276	1/1	0.87	0.14	67,67,67,67	0
56	MG	2A	3475	1/1	0.87	0.12	111,111,111,111	0
56	MG	2A	3261	1/1	0.87	0.29	80,80,80,80	0
56	MG	1A	4099	1/1	0.87	0.17	69,69,69,69	0
56	MG	28	106	1/1	0.87	0.11	79,79,79,79	0
56	MG	1A	4930	1/1	0.87	0.08	110,110,110,110	0
56	MG	2A	3688	1/1	0.87	0.14	143,143,143,143	0
56	MG	1A	4497	1/1	0.87	0.17	69,69,69,69	0
56	MG	1A	4060	1/1	0.87	0.15	72,72,72,72	0
56	MG	2A	3268	1/1	0.87	0.15	94,94,94,94	0
56	MG	1A	4502	1/1	0.87	0.08	70,70,70,70	0
56	MG	2A	3483	1/1	0.87	0.15	106,106,106,106	0
56	MG	2A	3829	1/1	0.87	0.14	113,113,113,113	0
56	MG	1A	4168	1/1	0.87	0.34	50,50,50,50	0
56	MG	2A	3698	1/1	0.87	0.22	108,108,108,108	0
56	MG	2A	3093	1/1	0.87	0.33	96,96,96,96	0
56	MG	1A	4038	1/1	0.87	0.33	81,81,81,81	0
56	MG	2a	1815	1/1	0.87	0.04	85,85,85,85	0
56	MG	1A	4598	1/1	0.87	0.12	59,59,59,59	0
56	MG	1A	4599	1/1	0.87	0.19	60,60,60,60	0
56	MG	2A	3710	1/1	0.87	0.14	95,95,95,95	0
56	MG	1A	4321	1/1	0.87	0.12	102,102,102,102	0
56	MG	2A	3594	1/1	0.87	0.07	74,74,74,74	0
56	MG	1A	4082	1/1	0.87	0.13	58,58,58,58	0
56	MG	2A	3844	1/1	0.87	0.16	107,107,107,107	0
56	MG	2A	3596	1/1	0.87	0.19	100,100,100,100	0
56	MG	1a	1889	1/1	0.87	0.07	153,153,153,153	0
56	MG	1A	4140	1/1	0.87	0.22	70,70,70,70	0
56	MG	2a	1829	1/1	0.87	0.15	147,147,147,147	0
56	MG	1a	1812	1/1	0.87	0.34	88,88,88,88	0
56	MG	1A	4513	1/1	0.87	0.20	78,78,78,78	0
56	MG	1a	1815	1/1	0.87	0.07	171,171,171,171	0
56	MG	1A	4024	1/1	0.87	0.11	78,78,78,78	0
56	MG	1A	4515	1/1	0.87	0.20	70,70,70,70	0
56	MG	1A	4331	1/1	0.87	0.25	73,73,73,73	0
56	MG	1A	4975	1/1	0.87	0.20	76,76,76,76	0
56	MG	1A	4234	1/1	0.87	0.26	59,59,59,59	0
56	MG	2a	1631	1/1	0.87	0.11	151,151,151,151	0
56	MG	2A	3738	1/1	0.87	0.14	96,96,96,96	0
56	MG	2A	3294	1/1	0.87	0.33	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	1A	4842	1/1	0.87	0.13	78,78,78,78	0
56	MG	1A	4984	1/1	0.87	0.12	87,87,87,87	0
56	MG	1A	4237	1/1	0.87	0.17	73,73,73,73	0
56	MG	1A	4847	1/1	0.87	0.24	72,72,72,72	0
56	MG	1A	5006	1/1	0.87	0.08	74,74,74,74	0
56	MG	2A	3303	1/1	0.87	0.08	113,113,113,113	0
56	MG	1A	4188	1/1	0.87	0.08	68,68,68,68	0
56	MG	1A	4861	1/1	0.87	0.14	85,85,85,85	0
56	MG	2A	3411	1/1	0.87	0.22	100,100,100,100	0
56	MG	1A	4627	1/1	0.87	0.26	80,80,80,80	0
56	MG	1A	4017	1/1	0.87	0.14	69,69,69,69	0
56	MG	2q	203	1/1	0.87	0.11	151,151,151,151	0
56	MG	1A	4741	1/1	0.87	0.17	75,75,75,75	0
56	MG	2A	3124	1/1	0.87	0.06	125,125,125,125	0
56	MG	2A	3125	1/1	0.87	0.05	81,81,81,81	0
56	MG	2A	3315	1/1	0.87	0.16	90,90,90,90	0
56	MG	1A	4113	1/1	0.87	0.27	55,55,55,55	0
56	MG	2A	3318	1/1	0.87	0.26	83,83,83,83	0
56	MG	1A	4041	1/1	0.87	0.22	74,74,74,74	0
56	MG	1A	4875	1/1	0.87	0.09	71,71,71,71	0
56	MG	1a	1612	1/1	0.87	0.05	94,94,94,94	0
56	MG	1A	4122	1/1	0.87	0.22	66,66,66,66	0
56	MG	1A	4753	1/1	0.87	0.10	62,62,62,62	0
56	MG	1A	5033	1/1	0.87	0.26	68,68,68,68	0
56	MG	1A	4529	1/1	0.87	0.14	68,68,68,68	0
56	MG	2E	301	1/1	0.87	0.27	91,91,91,91	0
56	MG	2A	3330	1/1	0.87	0.35	97,97,97,97	0
56	MG	2A	3544	1/1	0.87	0.21	108,108,108,108	0
56	MG	2A	3779	1/1	0.87	0.23	98,98,98,98	0
56	MG	1A	4652	1/1	0.87	0.14	84,84,84,84	0
56	MG	1A	5041	1/1	0.87	0.19	79,79,79,79	0
56	MG	1A	5043	1/1	0.87	0.22	71,71,71,71	0
56	MG	2A	3046	1/1	0.87	0.16	91,91,91,91	0
56	MG	1A	4401	1/1	0.87	0.10	78,78,78,78	0
56	MG	1a	1696	1/1	0.87	0.08	159,159,159,159	0
56	MG	1A	4074	1/1	0.87	0.26	78,78,78,78	0
56	MG	1A	4357	1/1	0.87	0.31	78,78,78,78	0
56	MG	2A	3656	1/1	0.87	0.20	109,109,109,109	0
56	MG	1A	4018	1/1	0.87	0.23	68,68,68,68	0
56	MG	1A	4205	1/1	0.87	0.31	56,56,56,56	0
56	MG	1A	4477	1/1	0.87	0.24	71,71,71,71	0
56	MG	1A	4777	1/1	0.87	0.09	68,68,68,68	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	4663	1/1	0.87	0.14	89,89,89,89	0
56	MG	1A	4206	1/1	0.87	0.25	55,55,55,55	0
56	MG	1A	4273	1/1	0.87	0.19	69,69,69,69	0
56	MG	1A	4697	1/1	0.88	0.12	68,68,68,68	0
56	MG	1a	1842	1/1	0.88	0.13	78,78,78,78	0
56	MG	2A	3129	1/1	0.88	0.23	101,101,101,101	0
56	MG	1A	4699	1/1	0.88	0.20	75,75,75,75	0
56	MG	1A	4270	1/1	0.88	0.14	68,68,68,68	0
56	MG	2A	3633	1/1	0.88	0.39	110,110,110,110	0
56	MG	1a	1701	1/1	0.88	0.07	153,153,153,153	0
56	MG	1A	4701	1/1	0.88	0.17	68,68,68,68	0
56	MG	1B	213	1/1	0.88	0.15	88,88,88,88	0
56	MG	1A	4398	1/1	0.88	0.27	75,75,75,75	0
56	MG	1b	306	1/1	0.88	0.09	186,186,186,186	0
56	MG	1b	307	1/1	0.88	0.07	164,164,164,164	0
56	MG	2A	3776	1/1	0.88	0.15	97,97,97,97	0
56	MG	2A	3777	1/1	0.88	0.24	100,100,100,100	0
56	MG	2A	3053	1/1	0.88	0.13	96,96,96,96	0
56	MG	1a	1705	1/1	0.88	0.21	122,122,122,122	0
56	MG	1A	4986	1/1	0.88	0.12	64,64,64,64	0
56	MG	2A	3238	1/1	0.88	0.28	108,108,108,108	0
56	MG	1A	4795	1/1	0.88	0.24	79,79,79,79	0
56	MG	1A	4706	1/1	0.88	0.23	68,68,68,68	0
56	MG	2A	3148	1/1	0.88	0.25	76,76,76,76	0
56	MG	1A	4298	1/1	0.88	0.13	76,76,76,76	0
56	MG	2a	1792	1/1	0.88	0.08	250,250,250,250	0
56	MG	2A	3444	1/1	0.88	0.11	99,99,99,99	0
56	MG	2S	201	1/1	0.88	0.10	87,87,87,87	0
56	MG	2A	3150	1/1	0.88	0.11	105,105,105,105	0
56	MG	2A	3790	1/1	0.88	0.15	96,96,96,96	0
56	MG	2b	302	1/1	0.88	0.08	196,196,196,196	0
56	MG	1A	5007	1/1	0.88	0.11	92,92,92,92	0
56	MG	2A	3448	1/1	0.88	0.25	78,78,78,78	0
56	MG	2A	3064	1/1	0.88	0.35	75,75,75,75	0
56	MG	1A	4509	1/1	0.88	0.19	62,62,62,62	0
56	MG	1A	4299	1/1	0.88	0.12	95,95,95,95	0
56	MG	1a	1784	1/1	0.88	0.08	124,124,124,124	0
56	MG	1D	303	1/1	0.88	0.08	82,82,82,82	0
56	MG	1A	4072	1/1	0.88	0.36	63,63,63,63	0
56	MG	1A	4329	1/1	0.88	0.24	73,73,73,73	0
56	MG	1D	308	1/1	0.88	0.11	77,77,77,77	0
56	MG	2A	3804	1/1	0.88	0.27	114,114,114,114	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	4653	1/1	0.88	0.13	88,88,88,88	0
56	MG	1A	5017	1/1	0.88	0.16	68,68,68,68	0
56	MG	1H	201	1/1	0.88	0.10	69,69,69,69	0
56	MG	24	101	1/1	0.88	0.04	73,73,73,73	0
56	MG	1A	4215	1/1	0.88	0.31	54,54,54,54	0
56	MG	2A	3569	1/1	0.88	0.08	96,96,96,96	0
56	MG	1A	4892	1/1	0.88	0.15	72,72,72,72	0
56	MG	1A	4725	1/1	0.88	0.08	73,73,73,73	0
56	MG	1Q	201	1/1	0.88	0.24	70,70,70,70	0
56	MG	1A	4097	1/1	0.88	0.26	57,57,57,57	0
56	MG	1A	4900	1/1	0.88	0.11	81,81,81,81	0
56	MG	2A	3685	1/1	0.88	0.20	109,109,109,109	0
56	MG	1A	5025	1/1	0.88	0.29	75,75,75,75	0
56	MG	2A	3088	1/1	0.88	0.16	72,72,72,72	0
56	MG	1A	4332	1/1	0.88	0.23	75,75,75,75	0
56	MG	1a	1877	1/1	0.88	0.07	106,106,106,106	0
56	MG	2a	1715	1/1	0.88	0.11	147,147,147,147	0
56	MG	2A	3824	1/1	0.88	0.10	99,99,99,99	0
56	MG	1A	4373	1/1	0.88	0.21	64,64,64,64	0
56	MG	2A	3691	1/1	0.88	0.04	165,165,165,165	0
56	MG	1Z	305	1/1	0.88	0.16	72,72,72,72	0
56	MG	2A	3375	1/1	0.88	0.19	103,103,103,103	0
56	MG	2A	3377	1/1	0.88	0.12	116,116,116,116	0
56	MG	2A	3378	1/1	0.88	0.12	106,106,106,106	0
56	MG	13	301	1/1	0.88	0.14	65,65,65,65	0
56	MG	2A	3273	1/1	0.88	0.22	70,70,70,70	0
56	MG	15	102	1/1	0.88	0.20	60,60,60,60	0
56	MG	2A	3701	1/1	0.88	0.18	93,93,93,93	0
56	MG	1A	4217	1/1	0.88	0.14	59,59,59,59	0
56	MG	1A	4337	1/1	0.88	0.21	59,59,59,59	0
56	MG	2A	3490	1/1	0.88	0.10	76,76,76,76	0
56	MG	1A	4218	1/1	0.88	0.16	58,58,58,58	0
56	MG	1A	4665	1/1	0.88	0.29	78,78,78,78	0
56	MG	1A	4922	1/1	0.88	0.20	67,67,67,67	0
56	MG	2A	3494	1/1	0.88	0.06	134,134,134,134	0
56	MG	2A	3846	1/1	0.88	0.18	108,108,108,108	0
56	MG	2a	1739	1/1	0.88	0.15	151,151,151,151	0
56	MG	1A	4065	1/1	0.88	0.28	67,67,67,67	0
56	MG	2A	3501	1/1	0.88	0.28	104,104,104,104	0
56	MG	1a	1674	1/1	0.88	0.11	134,134,134,134	0
56	MG	1a	1607	1/1	0.88	0.24	86,86,86,86	0
56	MG	1A	4605	1/1	0.88	0.11	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	4837	1/1	0.88	0.17	57,57,57,57	0
56	MG	2A	3727	1/1	0.88	0.25	90,90,90,90	0
56	MG	2x	101	1/1	0.88	0.05	62,62,62,62	0
56	MG	2A	3506	1/1	0.88	0.07	149,149,149,149	0
56	MG	2A	3734	1/1	0.88	0.19	108,108,108,108	0
56	MG	1A	4248	1/1	0.88	0.23	56,56,56,56	0
56	MG	1A	4839	1/1	0.88	0.24	63,63,63,63	0
56	MG	1a	1617	1/1	0.88	0.09	79,79,79,79	0
56	MG	1A	4612	1/1	0.88	0.15	62,62,62,62	0
56	MG	1A	4676	1/1	0.88	0.11	101,101,101,101	0
56	MG	1A	4528	1/1	0.88	0.18	73,73,73,73	0
56	MG	1A	4284	1/1	0.88	0.19	65,65,65,65	0
56	MG	1A	4225	1/1	0.88	0.27	73,73,73,73	0
56	MG	1A	4252	1/1	0.88	0.25	54,54,54,54	0
56	MG	1A	4031	1/1	0.88	0.17	56,56,56,56	0
56	MG	2A	3120	1/1	0.88	0.16	120,120,120,120	0
56	MG	1A	4144	1/1	0.88	0.11	65,65,65,65	0
56	MG	1A	4866	1/1	0.88	0.15	69,69,69,69	0
56	MG	2A	3212	1/1	0.88	0.11	93,93,93,93	0
56	MG	1A	4691	1/1	0.88	0.14	81,81,81,81	0
56	MG	1A	4146	1/1	0.88	0.15	59,59,59,59	0
56	MG	2A	3527	1/1	0.88	0.13	111,111,111,111	0
56	MG	2a	1656	1/1	0.88	0.13	145,145,145,145	0
56	MG	1A	4229	1/1	0.88	0.16	111,111,111,111	0
56	MG	2A	3499	1/1	0.89	0.17	100,100,100,100	0
56	MG	1A	4436	1/1	0.89	0.22	64,64,64,64	0
56	MG	1A	4123	1/1	0.89	0.16	77,77,77,77	0
56	MG	2A	3260	1/1	0.89	0.40	78,78,78,78	0
56	MG	1A	4440	1/1	0.89	0.17	73,73,73,73	0
56	MG	1A	4261	1/1	0.89	0.15	63,63,63,63	0
56	MG	2A	3058	1/1	0.89	0.23	85,85,85,85	0
56	MG	1A	4263	1/1	0.89	0.38	51,51,51,51	0
56	MG	1A	4610	1/1	0.89	0.14	60,60,60,60	0
56	MG	2A	3267	1/1	0.89	0.18	99,99,99,99	0
56	MG	1B	221	1/1	0.89	0.24	98,98,98,98	0
56	MG	2A	3756	1/1	0.89	0.18	137,137,137,137	0
56	MG	1A	4705	1/1	0.89	0.10	72,72,72,72	0
56	MG	1A	4142	1/1	0.89	0.22	66,66,66,66	0
56	MG	1A	4710	1/1	0.89	0.22	73,73,73,73	0
56	MG	1A	4971	1/1	0.89	0.32	63,63,63,63	0
56	MG	1A	4616	1/1	0.89	0.14	86,86,86,86	0
56	MG	1A	4125	1/1	0.89	0.14	79,79,79,79	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	4174	1/1	0.89	0.29	59,59,59,59	0
56	MG	2A	3072	1/1	0.89	0.09	133,133,133,133	0
56	MG	1A	4145	1/1	0.89	0.31	51,51,51,51	0
56	MG	1A	4032	1/1	0.89	0.31	55,55,55,55	0
56	MG	1A	4182	1/1	0.89	0.18	58,58,58,58	0
56	MG	2A	3401	1/1	0.89	0.10	89,89,89,89	0
56	MG	1a	1668	1/1	0.89	0.07	139,139,139,139	0
56	MG	2F	304	1/1	0.89	0.10	135,135,135,135	0
56	MG	2A	3636	1/1	0.89	0.10	125,125,125,125	0
56	MG	1A	4985	1/1	0.89	0.11	73,73,73,73	0
56	MG	1A	4395	1/1	0.89	0.11	63,63,63,63	0
56	MG	1A	4989	1/1	0.89	0.06	73,73,73,73	0
56	MG	1A	4089	1/1	0.89	0.14	67,67,67,67	0
56	MG	1A	4995	1/1	0.89	0.18	77,77,77,77	0
56	MG	1A	4997	1/1	0.89	0.15	80,80,80,80	0
56	MG	2A	3410	1/1	0.89	0.12	108,108,108,108	0
56	MG	1A	5004	1/1	0.89	0.18	89,89,89,89	0
56	MG	2A	3293	1/1	0.89	0.20	94,94,94,94	0
56	MG	2A	3786	1/1	0.89	0.06	123,123,123,123	0
56	MG	1a	1851	1/1	0.89	0.09	175,175,175,175	0
56	MG	1A	4399	1/1	0.89	0.15	77,77,77,77	0
56	MG	1A	4857	1/1	0.89	0.10	61,61,61,61	0
56	MG	1t	201	1/1	0.89	0.09	42,42,42,42	0
56	MG	1A	4150	1/1	0.89	0.16	59,59,59,59	0
56	MG	10	101	1/1	0.89	0.25	64,64,64,64	0
56	MG	1A	4728	1/1	0.89	0.27	76,76,76,76	0
56	MG	1A	4628	1/1	0.89	0.20	77,77,77,77	0
56	MG	1A	4629	1/1	0.89	0.09	71,71,71,71	0
56	MG	1A	5013	1/1	0.89	0.04	38,38,38,38	0
56	MG	1A	4631	1/1	0.89	0.10	70,70,70,70	0
56	MG	1A	4152	1/1	0.89	0.25	56,56,56,56	0
56	MG	1A	4045	1/1	0.89	0.21	68,68,68,68	0
56	MG	1a	1605	1/1	0.89	0.25	89,89,89,89	0
56	MG	2A	3672	1/1	0.89	0.09	120,120,120,120	0
56	MG	26	101	1/1	0.89	0.24	121,121,121,121	0
56	MG	1A	4738	1/1	0.89	0.24	70,70,70,70	0
56	MG	2A	3004	1/1	0.89	0.24	93,93,93,93	0
56	MG	2a	1708	1/1	0.89	0.11	152,152,152,152	0
56	MG	1A	4115	1/1	0.89	0.14	62,62,62,62	0
56	MG	1A	4405	1/1	0.89	0.11	71,71,71,71	0
56	MG	1A	4743	1/1	0.89	0.17	74,74,74,74	0
56	MG	1A	4745	1/1	0.89	0.10	81,81,81,81	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3324	1/1	0.89	0.15	87,87,87,87	0
56	MG	1a	1613	1/1	0.89	0.19	91,91,91,91	0
56	MG	1A	4467	1/1	0.89	0.20	57,57,57,57	0
56	MG	1A	4116	1/1	0.89	0.15	65,65,65,65	0
56	MG	1a	1788	1/1	0.89	0.08	118,118,118,118	0
56	MG	1a	1790	1/1	0.89	0.21	87,87,87,87	0
56	MG	1A	4750	1/1	0.89	0.27	68,68,68,68	0
56	MG	1A	4479	1/1	0.89	0.20	71,71,71,71	0
56	MG	1A	5037	1/1	0.89	0.17	78,78,78,78	0
56	MG	2A	3223	1/1	0.89	0.16	118,118,118,118	0
56	MG	1A	4542	1/1	0.89	0.20	56,56,56,56	0
56	MG	2A	3226	1/1	0.89	0.18	100,100,100,100	0
56	MG	1A	4543	1/1	0.89	0.07	83,83,83,83	0
56	MG	2A	3340	1/1	0.89	0.36	75,75,75,75	0
56	MG	1A	4135	1/1	0.89	0.18	78,78,78,78	0
56	MG	2A	3229	1/1	0.89	0.28	73,73,73,73	0
56	MG	1A	4482	1/1	0.89	0.21	61,61,61,61	0
56	MG	1A	4483	1/1	0.89	0.15	66,66,66,66	0
56	MG	2A	3126	1/1	0.89	0.10	138,138,138,138	0
56	MG	1A	4419	1/1	0.89	0.26	55,55,55,55	0
56	MG	2A	3703	1/1	0.89	0.12	94,94,94,94	0
56	MG	2A	3839	1/1	0.89	0.17	139,139,139,139	0
56	MG	1A	4008	1/1	0.89	0.11	71,71,71,71	0
56	MG	2a	1864	1/1	0.89	0.08	161,161,161,161	0
56	MG	1A	4137	1/1	0.89	0.05	102,102,102,102	0
56	MG	1A	4207	1/1	0.89	0.26	52,52,52,52	0
56	MG	1A	4556	1/1	0.89	0.17	58,58,58,58	0
56	MG	1A	4492	1/1	0.89	0.34	69,69,69,69	0
56	MG	1A	4562	1/1	0.89	0.30	65,65,65,65	0
56	MG	1A	4209	1/1	0.89	0.28	55,55,55,55	0
56	MG	1A	4566	1/1	0.89	0.26	58,58,58,58	0
56	MG	1A	4678	1/1	0.89	0.13	86,86,86,86	0
56	MG	2a	1633	1/1	0.89	0.12	125,125,125,125	0
56	MG	2A	3720	1/1	0.89	0.10	122,122,122,122	0
56	MG	2A	3033	1/1	0.89	0.10	107,107,107,107	0
56	MG	1A	4679	1/1	0.89	0.04	80,80,80,80	0
56	MG	1A	4923	1/1	0.89	0.15	66,66,66,66	0
56	MG	1A	4924	1/1	0.89	0.08	71,71,71,71	0
56	MG	1A	4575	1/1	0.89	0.23	56,56,56,56	0
56	MG	1A	4580	1/1	0.89	0.28	64,64,64,64	0
56	MG	1A	4118	1/1	0.89	0.21	82,82,82,82	0
56	MG	1A	4255	1/1	0.89	0.20	65,65,65,65	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	4333	1/1	0.89	0.10	83,83,83,83	0
56	MG	2A	3049	1/1	0.89	0.10	94,94,94,94	0
56	MG	1A	4055	1/1	0.89	0.11	86,86,86,86	0
56	MG	1A	4504	1/1	0.89	0.17	92,92,92,92	0
56	MG	2A	3495	1/1	0.89	0.13	106,106,106,106	0
56	MG	1a	1626	1/1	0.90	0.20	98,98,98,98	0
56	MG	1A	4108	1/1	0.90	0.23	52,52,52,52	0
56	MG	2A	3153	1/1	0.90	0.14	80,80,80,80	0
56	MG	1a	1753	1/1	0.90	0.16	115,115,115,115	0
56	MG	1A	4472	1/1	0.90	0.35	54,54,54,54	0
56	MG	27	101	1/1	0.90	0.13	90,90,90,90	0
56	MG	1A	4475	1/1	0.90	0.17	58,58,58,58	0
56	MG	28	102	1/1	0.90	0.16	119,119,119,119	0
56	MG	1A	4639	1/1	0.90	0.07	71,71,71,71	0
56	MG	1A	4568	1/1	0.90	0.14	56,56,56,56	0
56	MG	1a	1632	1/1	0.90	0.18	118,118,118,118	0
56	MG	1D	302	1/1	0.90	0.07	57,57,57,57	0
56	MG	1A	4009	1/1	0.90	0.15	79,79,79,79	0
56	MG	2a	1917	1/1	0.90	0.19	86,86,86,86	0
56	MG	2A	3007	1/1	0.90	0.19	98,98,98,98	0
56	MG	2A	3335	1/1	0.90	0.12	97,97,97,97	0
56	MG	1A	4129	1/1	0.90	0.21	58,58,58,58	0
56	MG	1A	4761	1/1	0.90	0.12	74,74,74,74	0
56	MG	1A	4437	1/1	0.90	0.16	64,64,64,64	0
56	MG	1A	4648	1/1	0.90	0.28	66,66,66,66	0
56	MG	2A	3838	1/1	0.90	0.05	44,44,44,44	0
56	MG	2A	3730	1/1	0.90	0.19	99,99,99,99	0
56	MG	1A	5027	1/1	0.90	0.13	63,63,63,63	0
56	MG	1a	1766	1/1	0.90	0.08	129,129,129,129	0
56	MG	1E	305	1/1	0.90	0.14	69,69,69,69	0
56	MG	1E	308	1/1	0.90	0.10	68,68,68,68	0
56	MG	2A	3437	1/1	0.90	0.14	97,97,97,97	0
56	MG	1A	4222	1/1	0.90	0.16	70,70,70,70	0
56	MG	1A	5034	1/1	0.90	0.10	67,67,67,67	0
56	MG	1A	4224	1/1	0.90	0.16	64,64,64,64	0
56	MG	1A	4771	1/1	0.90	0.14	70,70,70,70	0
56	MG	1P	203	1/1	0.90	0.28	68,68,68,68	0
56	MG	1a	1840	1/1	0.90	0.09	237,237,237,237	0
56	MG	1A	4708	1/1	0.90	0.14	70,70,70,70	0
56	MG	2A	3746	1/1	0.90	0.15	93,93,93,93	0
56	MG	2A	3104	1/1	0.90	0.09	53,53,53,53	0
56	MG	2A	3748	1/1	0.90	0.10	104,104,104,104	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3542	1/1	0.90	0.16	110,110,110,110	0
56	MG	1A	4950	1/1	0.90	0.07	61,61,61,61	0
56	MG	1A	5042	1/1	0.90	0.09	77,77,77,77	0
56	MG	1A	4283	1/1	0.90	0.21	65,65,65,65	0
56	MG	2A	3638	1/1	0.90	0.14	114,114,114,114	0
56	MG	1A	4253	1/1	0.90	0.42	54,54,54,54	0
56	MG	1A	4444	1/1	0.90	0.31	76,76,76,76	0
56	MG	1A	4181	1/1	0.90	0.38	45,45,45,45	0
56	MG	2A	3549	1/1	0.90	0.28	96,96,96,96	0
56	MG	1A	4719	1/1	0.90	0.10	89,89,89,89	0
56	MG	10	104	1/1	0.90	0.11	79,79,79,79	0
56	MG	1A	4094	1/1	0.90	0.21	68,68,68,68	0
56	MG	1A	4788	1/1	0.90	0.14	107,107,107,107	0
56	MG	1A	4493	1/1	0.90	0.17	68,68,68,68	0
56	MG	2A	3767	1/1	0.90	0.12	93,93,93,93	0
56	MG	1b	304	1/1	0.90	0.09	173,173,173,173	0
56	MG	2A	3467	1/1	0.90	0.05	79,79,79,79	0
56	MG	2A	3652	1/1	0.90	0.08	124,124,124,124	0
56	MG	2A	3654	1/1	0.90	0.16	115,115,115,115	0
56	MG	2A	3468	1/1	0.90	0.23	85,85,85,85	0
56	MG	1A	4791	1/1	0.90	0.22	73,73,73,73	0
56	MG	1a	1791	1/1	0.90	0.08	116,116,116,116	0
56	MG	2A	3560	1/1	0.90	0.38	95,95,95,95	0
56	MG	2A	3374	1/1	0.90	0.14	102,102,102,102	0
56	MG	1A	4184	1/1	0.90	0.12	61,61,61,61	0
56	MG	2A	3663	1/1	0.90	0.12	95,95,95,95	0
56	MG	1A	4411	1/1	0.90	0.38	50,50,50,50	0
56	MG	2A	3565	1/1	0.90	0.22	102,102,102,102	0
56	MG	1A	4541	1/1	0.90	0.24	56,56,56,56	0
56	MG	1A	4500	1/1	0.90	0.27	69,69,69,69	0
56	MG	1A	4208	1/1	0.90	0.21	56,56,56,56	0
56	MG	2A	3048	1/1	0.90	0.13	88,88,88,88	0
56	MG	1A	4073	1/1	0.90	0.13	71,71,71,71	0
56	MG	2A	3290	1/1	0.90	0.12	112,112,112,112	0
56	MG	1A	4673	1/1	0.90	0.13	94,94,94,94	0
56	MG	1A	4987	1/1	0.90	0.18	62,62,62,62	0
56	MG	1A	4807	1/1	0.90	0.14	58,58,58,58	0
56	MG	2A	3054	1/1	0.90	0.17	100,100,100,100	0
56	MG	1A	4422	1/1	0.90	0.30	52,52,52,52	0
56	MG	1A	4732	1/1	0.90	0.20	56,56,56,56	0
56	MG	1A	4424	1/1	0.90	0.18	61,61,61,61	0
56	MG	2Q	204	1/1	0.90	0.06	118,118,118,118	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2a	1772	1/1	0.90	0.05	70,70,70,70	0
56	MG	2A	3218	1/1	0.90	0.20	103,103,103,103	0
56	MG	1A	4999	1/1	0.90	0.08	62,62,62,62	0
56	MG	1A	4105	1/1	0.90	0.46	46,46,46,46	0
56	MG	1a	1869	1/1	0.90	0.05	226,226,226,226	0
56	MG	1s	101	1/1	0.90	0.13	216,216,216,216	0
56	MG	2A	3224	1/1	0.90	0.10	119,119,119,119	0
56	MG	2A	3497	1/1	0.90	0.23	79,79,79,79	0
56	MG	2A	3140	1/1	0.90	0.15	101,101,101,101	0
56	MG	1A	4818	1/1	0.90	0.25	69,69,69,69	0
56	MG	1A	4268	1/1	0.90	0.31	65,65,65,65	0
56	MG	1A	4232	1/1	0.90	0.25	64,64,64,64	0
56	MG	2A	3313	1/1	0.90	0.13	95,95,95,95	0
56	MG	1A	4194	1/1	0.90	0.18	68,68,68,68	0
56	MG	1A	4143	1/1	0.90	0.20	62,62,62,62	0
56	MG	1A	4091	1/1	0.90	0.21	58,58,58,58	0
56	MG	1a	1879	1/1	0.90	0.08	97,97,97,97	0
56	MG	1A	4512	1/1	0.91	0.12	73,73,73,73	0
56	MG	2a	1880	1/1	0.91	0.11	158,158,158,158	0
56	MG	1A	4551	1/1	0.91	0.10	69,69,69,69	0
56	MG	1A	5031	1/1	0.91	0.07	88,88,88,88	0
56	MG	2A	3712	1/1	0.91	0.31	92,92,92,92	0
56	MG	2A	3158	1/1	0.91	0.10	107,107,107,107	0
56	MG	2A	3714	1/1	0.91	0.23	101,101,101,101	0
56	MG	15	101	1/1	0.91	0.24	61,61,61,61	0
56	MG	1A	4406	1/1	0.91	0.10	56,56,56,56	0
56	MG	16	101	1/1	0.91	0.24	72,72,72,72	0
56	MG	1A	4685	1/1	0.91	0.06	70,70,70,70	0
56	MG	1A	4919	1/1	0.91	0.14	62,62,62,62	0
56	MG	2a	1891	1/1	0.91	0.07	157,157,157,157	0
56	MG	1A	4258	1/1	0.91	0.10	68,68,68,68	0
56	MG	1A	4214	1/1	0.91	0.15	61,61,61,61	0
56	MG	2A	3852	1/1	0.91	0.15	96,96,96,96	0
56	MG	2A	3853	1/1	0.91	0.04	84,84,84,84	0
56	MG	1A	4557	1/1	0.91	0.20	58,58,58,58	0
56	MG	2A	3723	1/1	0.91	0.21	96,96,96,96	0
56	MG	2A	3376	1/1	0.91	0.19	99,99,99,99	0
56	MG	1a	1683	1/1	0.91	0.08	83,83,83,83	0
56	MG	1m	202	1/1	0.91	0.09	211,211,211,211	0
56	MG	2A	3728	1/1	0.91	0.13	83,83,83,83	0
56	MG	1A	4415	1/1	0.91	0.17	74,74,74,74	0
56	MG	2A	3731	1/1	0.91	0.23	86,86,86,86	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	4748	1/1	0.91	0.13	90,90,90,90	0
56	MG	2A	3733	1/1	0.91	0.08	77,77,77,77	0
56	MG	1A	4517	1/1	0.91	0.17	81,81,81,81	0
56	MG	1p	101	1/1	0.91	0.09	143,143,143,143	0
56	MG	1a	1609	1/1	0.91	0.23	88,88,88,88	0
56	MG	2A	3275	1/1	0.91	0.19	83,83,83,83	0
56	MG	1A	4387	1/1	0.91	0.14	81,81,81,81	0
56	MG	2A	3082	1/1	0.91	0.13	126,126,126,126	0
56	MG	1A	4754	1/1	0.91	0.17	62,62,62,62	0
56	MG	1A	4175	1/1	0.91	0.20	60,60,60,60	0
56	MG	2A	3085	1/1	0.91	0.05	118,118,118,118	0
56	MG	1A	4487	1/1	0.91	0.22	75,75,75,75	0
56	MG	1A	4840	1/1	0.91	0.14	71,71,71,71	0
56	MG	1A	4938	1/1	0.91	0.10	69,69,69,69	0
56	MG	2A	3394	1/1	0.91	0.10	131,131,131,131	0
56	MG	1A	4941	1/1	0.91	0.21	61,61,61,61	0
56	MG	2A	3513	1/1	0.91	0.10	85,85,85,85	0
56	MG	1A	4573	1/1	0.91	0.10	70,70,70,70	0
56	MG	1A	4183	1/1	0.91	0.15	63,63,63,63	0
56	MG	2A	3193	1/1	0.91	0.29	107,107,107,107	0
56	MG	2A	3092	1/1	0.91	0.10	118,118,118,118	0
56	MG	1A	4955	1/1	0.91	0.26	72,72,72,72	0
56	MG	1A	4423	1/1	0.91	0.17	53,53,53,53	0
56	MG	2A	3757	1/1	0.91	0.13	127,127,127,127	0
56	MG	1A	4704	1/1	0.91	0.16	77,77,77,77	0
56	MG	1A	4491	1/1	0.91	0.17	86,86,86,86	0
56	MG	1A	4850	1/1	0.91	0.23	76,76,76,76	0
56	MG	1A	4854	1/1	0.91	0.13	81,81,81,81	0
56	MG	1A	4165	1/1	0.91	0.05	56,56,56,56	0
56	MG	2E	305	1/1	0.91	0.12	121,121,121,121	0
56	MG	1A	4968	1/1	0.91	0.12	82,82,82,82	0
56	MG	1A	4585	1/1	0.91	0.31	65,65,65,65	0
56	MG	1A	4773	1/1	0.91	0.12	68,68,68,68	0
56	MG	2A	3103	1/1	0.91	0.04	79,79,79,79	0
56	MG	1A	4774	1/1	0.91	0.17	68,68,68,68	0
56	MG	1A	4864	1/1	0.91	0.19	75,75,75,75	0
56	MG	1a	1633	1/1	0.91	0.14	109,109,109,109	0
56	MG	1a	1882	1/1	0.91	0.25	87,87,87,87	0
56	MG	1A	4281	1/1	0.91	0.21	70,70,70,70	0
56	MG	2A	3311	1/1	0.91	0.07	102,102,102,102	0
56	MG	1A	4319	1/1	0.91	0.33	68,68,68,68	0
56	MG	1a	1886	1/1	0.91	0.12	125,125,125,125	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2Q	205	1/1	0.91	0.15	129,129,129,129	0
56	MG	1a	1888	1/1	0.91	0.11	119,119,119,119	0
56	MG	1A	4179	1/1	0.91	0.19	60,60,60,60	0
56	MG	1A	4983	1/1	0.91	0.17	56,56,56,56	0
56	MG	1A	4870	1/1	0.91	0.36	54,54,54,54	0
56	MG	1A	4595	1/1	0.91	0.10	62,62,62,62	0
56	MG	2A	3429	1/1	0.91	0.13	117,117,117,117	0
56	MG	2A	3430	1/1	0.91	0.35	73,73,73,73	0
56	MG	1B	219	1/1	0.91	0.11	77,77,77,77	0
56	MG	2A	3323	1/1	0.91	0.29	89,89,89,89	0
56	MG	2a	1701	1/1	0.91	0.12	146,146,146,146	0
56	MG	1A	4219	1/1	0.91	0.23	61,61,61,61	0
56	MG	1A	4876	1/1	0.91	0.10	80,80,80,80	0
56	MG	1A	4781	1/1	0.91	0.06	81,81,81,81	0
56	MG	1A	4990	1/1	0.91	0.16	64,64,64,64	0
56	MG	2A	3328	1/1	0.91	0.11	91,91,91,91	0
56	MG	2A	3667	1/1	0.91	0.20	93,93,93,93	0
56	MG	1A	4992	1/1	0.91	0.09	70,70,70,70	0
56	MG	2A	3669	1/1	0.91	0.15	92,92,92,92	0
56	MG	1A	4784	1/1	0.91	0.18	87,87,87,87	0
56	MG	1A	4103	1/1	0.91	0.27	50,50,50,50	0
56	MG	1A	4212	1/1	0.91	0.29	51,51,51,51	0
56	MG	1A	4602	1/1	0.91	0.07	54,54,54,54	0
56	MG	1A	5003	1/1	0.91	0.20	65,65,65,65	0
56	MG	1a	1904	1/1	0.91	0.09	83,83,83,83	0
56	MG	1A	4400	1/1	0.91	0.17	75,75,75,75	0
56	MG	28	103	1/1	0.91	0.11	115,115,115,115	0
56	MG	2a	1849	1/1	0.91	0.06	142,142,142,142	0
56	MG	1A	4272	1/1	0.91	0.16	68,68,68,68	0
56	MG	1A	4609	1/1	0.91	0.13	70,70,70,70	0
56	MG	2A	3454	1/1	0.91	0.09	90,90,90,90	0
56	MG	1A	4289	1/1	0.91	0.14	68,68,68,68	0
56	MG	2A	3458	1/1	0.91	0.22	90,90,90,90	0
56	MG	2A	3037	1/1	0.91	0.04	104,104,104,104	0
56	MG	1F	301	1/1	0.91	0.20	76,76,76,76	0
56	MG	1A	4545	1/1	0.91	0.22	65,65,65,65	0
56	MG	1A	4799	1/1	0.91	0.24	87,87,87,87	0
56	MG	1A	4671	1/1	0.91	0.17	65,65,65,65	0
56	MG	1A	4803	1/1	0.91	0.06	101,101,101,101	0
56	MG	2y	102	1/1	0.91	0.20	73,73,73,73	0
56	MG	1A	4469	1/1	0.91	0.20	56,56,56,56	0
56	MG	2A	3822	1/1	0.91	0.09	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	1A	4805	1/1	0.91	0.12	95,95,95,95	0
56	MG	1A	4380	1/1	0.91	0.12	56,56,56,56	0
56	MG	2A	3353	1/1	0.91	0.17	83,83,83,83	0
56	MG	1A	4899	1/1	0.91	0.23	68,68,68,68	0
56	MG	1a	1665	1/1	0.91	0.50	132,132,132,132	0
56	MG	1A	4381	1/1	0.91	0.11	72,72,72,72	0
56	MG	1A	4121	1/1	0.91	0.18	81,81,81,81	0
56	MG	1A	4736	1/1	0.91	0.19	61,61,61,61	0
56	MG	1Z	304	1/1	0.91	0.10	64,64,64,64	0
56	MG	2A	3702	1/1	0.91	0.18	92,92,92,92	0
56	MG	1A	4905	1/1	0.91	0.15	65,65,65,65	0
56	MG	1A	4003	1/1	0.92	0.20	53,53,53,53	0
56	MG	1A	4904	1/1	0.92	0.32	63,63,63,63	0
56	MG	1A	4071	1/1	0.92	0.23	77,77,77,77	0
56	MG	1A	4473	1/1	0.92	0.30	46,46,46,46	0
56	MG	1A	5011	1/1	0.92	0.15	77,77,77,77	0
56	MG	1A	4910	1/1	0.92	0.31	55,55,55,55	0
56	MG	1A	4824	1/1	0.92	0.09	81,81,81,81	0
56	MG	20	102	1/1	0.92	0.23	116,116,116,116	0
56	MG	1A	4601	1/1	0.92	0.05	102,102,102,102	0
56	MG	2A	3711	1/1	0.92	0.14	95,95,95,95	0
56	MG	1A	4913	1/1	0.92	0.12	72,72,72,72	0
56	MG	1A	5016	1/1	0.92	0.18	81,81,81,81	0
56	MG	1P	202	1/1	0.92	0.11	60,60,60,60	0
56	MG	1a	1741	1/1	0.92	0.07	139,139,139,139	0
56	MG	1A	4369	1/1	0.92	0.37	61,61,61,61	0
56	MG	1A	4916	1/1	0.92	0.18	73,73,73,73	0
56	MG	2a	1914	1/1	0.92	0.07	242,242,242,242	0
56	MG	1R	201	1/1	0.92	0.30	68,68,68,68	0
56	MG	1A	4324	1/1	0.92	0.25	78,78,78,78	0
56	MG	1A	4920	1/1	0.92	0.19	61,61,61,61	0
56	MG	1A	4478	1/1	0.92	0.19	71,71,71,71	0
56	MG	1U	201	1/1	0.92	0.08	61,61,61,61	0
56	MG	1A	4064	1/1	0.92	0.12	69,69,69,69	0
56	MG	1A	4752	1/1	0.92	0.22	63,63,63,63	0
56	MG	2A	3222	1/1	0.92	0.09	112,112,112,112	0
56	MG	2A	3726	1/1	0.92	0.11	91,91,91,91	0
56	MG	1A	4925	1/1	0.92	0.07	72,72,72,72	0
56	MG	1a	1834	1/1	0.92	0.10	210,210,210,210	0
56	MG	1A	5030	1/1	0.92	0.20	72,72,72,72	0
56	MG	2A	3837	1/1	0.92	0.10	68,68,68,68	0
56	MG	1A	4328	1/1	0.92	0.32	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	10	102	1/1	0.92	0.08	69,69,69,69	0
56	MG	1A	4233	1/1	0.92	0.22	65,65,65,65	0
56	MG	12	101	1/1	0.92	0.04	84,84,84,84	0
56	MG	1A	4688	1/1	0.92	0.11	65,65,65,65	0
56	MG	1A	4177	1/1	0.92	0.16	58,58,58,58	0
56	MG	1A	4081	1/1	0.92	0.16	57,57,57,57	0
56	MG	1A	4240	1/1	0.92	0.17	60,60,60,60	0
56	MG	17	103	1/1	0.92	0.22	73,73,73,73	0
56	MG	1b	308	1/1	0.92	0.09	162,162,162,162	0
56	MG	2A	3237	1/1	0.92	0.13	112,112,112,112	0
56	MG	2a	1720	1/1	0.92	0.08	153,153,153,153	0
56	MG	1A	4763	1/1	0.92	0.31	69,69,69,69	0
56	MG	1A	4693	1/1	0.92	0.20	67,67,67,67	0
56	MG	1A	4241	1/1	0.92	0.25	66,66,66,66	0
56	MG	2a	1619	1/1	0.92	0.05	68,68,68,68	0
56	MG	2a	1836	1/1	0.92	0.08	124,124,124,124	0
56	MG	1d	303	1/1	0.92	0.05	151,151,151,151	0
56	MG	1A	4334	1/1	0.92	0.08	73,73,73,73	0
56	MG	1A	4943	1/1	0.92	0.13	61,61,61,61	0
56	MG	2A	3063	1/1	0.92	0.32	83,83,83,83	0
56	MG	1A	4162	1/1	0.92	0.22	56,56,56,56	0
56	MG	2A	3447	1/1	0.92	0.13	87,87,87,87	0
56	MG	1A	4858	1/1	0.92	0.14	58,58,58,58	0
56	MG	1A	4434	1/1	0.92	0.28	58,58,58,58	0
56	MG	2A	3156	1/1	0.92	0.06	100,100,100,100	0
56	MG	1A	4119	1/1	0.92	0.23	74,74,74,74	0
56	MG	1A	4957	1/1	0.92	0.06	79,79,79,79	0
56	MG	1A	4047	1/1	0.92	0.16	69,69,69,69	0
56	MG	2A	3456	1/1	0.92	0.10	83,83,83,83	0
56	MG	1A	4342	1/1	0.92	0.22	65,65,65,65	0
56	MG	1A	4961	1/1	0.92	0.08	100,100,100,100	0
56	MG	1A	4303	1/1	0.92	0.15	87,87,87,87	0
56	MG	1a	1616	1/1	0.92	0.12	99,99,99,99	0
56	MG	1A	4274	1/1	0.92	0.35	51,51,51,51	0
56	MG	1A	4346	1/1	0.92	0.11	72,72,72,72	0
56	MG	1A	4247	1/1	0.92	0.26	49,49,49,49	0
56	MG	2q	204	1/1	0.92	0.09	141,141,141,141	0
56	MG	2r	301	1/1	0.92	0.07	139,139,139,139	0
56	MG	1A	4637	1/1	0.92	0.07	68,68,68,68	0
56	MG	1A	4349	1/1	0.92	0.20	54,54,54,54	0
56	MG	1A	4042	1/1	0.92	0.19	58,58,58,58	0
56	MG	1A	4277	1/1	0.92	0.23	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	1v	702	1/1	0.92	0.31	91,91,91,91	0
56	MG	2A	3670	1/1	0.92	0.07	92,92,92,92	0
56	MG	1A	4717	1/1	0.92	0.11	81,81,81,81	0
56	MG	1A	4354	1/1	0.92	0.21	62,62,62,62	0
56	MG	1A	4249	1/1	0.92	0.22	52,52,52,52	0
56	MG	1A	4250	1/1	0.92	0.10	64,64,64,64	0
56	MG	1A	4453	1/1	0.92	0.15	66,66,66,66	0
56	MG	1A	4085	1/1	0.92	0.06	67,67,67,67	0
56	MG	1A	4578	1/1	0.92	0.11	59,59,59,59	0
56	MG	1A	4579	1/1	0.92	0.23	56,56,56,56	0
56	MG	2A	3274	1/1	0.92	0.14	83,83,83,83	0
56	MG	2E	304	1/1	0.92	0.04	71,71,71,71	0
56	MG	1a	1797	1/1	0.92	0.33	85,85,85,85	0
56	MG	1A	4988	1/1	0.92	0.05	79,79,79,79	0
56	MG	1A	4086	1/1	0.92	0.10	68,68,68,68	0
56	MG	1A	4061	1/1	0.92	0.20	71,71,71,71	0
56	MG	1A	4189	1/1	0.92	0.16	60,60,60,60	0
56	MG	2A	3191	1/1	0.92	0.15	92,92,92,92	0
56	MG	2A	3192	1/1	0.92	0.16	99,99,99,99	0
56	MG	1A	4363	1/1	0.92	0.23	72,72,72,72	0
56	MG	1A	4191	1/1	0.92	0.16	67,67,67,67	0
56	MG	1A	4257	1/1	0.92	0.17	64,64,64,64	0
56	MG	1A	4998	1/1	0.92	0.11	80,80,80,80	0
56	MG	2A	3799	1/1	0.92	0.10	116,116,116,116	0
56	MG	2A	3286	1/1	0.92	0.15	101,101,101,101	0
56	MG	1A	4413	1/1	0.92	0.14	63,63,63,63	0
56	MG	1A	4593	1/1	0.92	0.28	65,65,65,65	0
56	MG	2A	3803	1/1	0.92	0.07	112,112,112,112	0
56	MG	2A	3696	1/1	0.92	0.16	105,105,105,105	0
57	ZN	2n	501	1/1	0.92	0.06	239,239,239,239	0
56	MG	1A	4594	1/1	0.92	0.17	64,64,64,64	0
56	MG	1A	4287	1/1	0.92	0.42	50,50,50,50	0
56	MG	1a	1706	1/1	0.93	0.09	103,103,103,103	0
56	MG	2A	3788	1/1	0.93	0.06	124,124,124,124	0
56	MG	1A	4336	1/1	0.93	0.27	62,62,62,62	0
56	MG	1A	4623	1/1	0.93	0.20	85,85,85,85	0
56	MG	1A	4894	1/1	0.93	0.14	63,63,63,63	0
56	MG	2P	202	1/1	0.93	0.12	127,127,127,127	0
56	MG	1A	4564	1/1	0.93	0.12	56,56,56,56	0
56	MG	1A	4565	1/1	0.93	0.20	58,58,58,58	0
56	MG	1A	4898	1/1	0.93	0.17	60,60,60,60	0
56	MG	1A	4418	1/1	0.93	0.23	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	4002	1/1	0.93	0.14	65,65,65,65	0
56	MG	1A	4569	1/1	0.93	0.22	60,60,60,60	0
56	MG	1A	4694	1/1	0.93	0.14	70,70,70,70	0
56	MG	1A	4450	1/1	0.93	0.16	75,75,75,75	0
56	MG	1A	4007	1/1	0.93	0.09	64,64,64,64	0
56	MG	1A	4907	1/1	0.93	0.20	52,52,52,52	0
56	MG	1A	4577	1/1	0.93	0.12	58,58,58,58	0
56	MG	2X	201	1/1	0.93	0.10	108,108,108,108	0
56	MG	1A	4909	1/1	0.93	0.16	59,59,59,59	0
56	MG	1A	4634	1/1	0.93	0.10	59,59,59,59	0
56	MG	1A	4635	1/1	0.93	0.26	68,68,68,68	0
56	MG	1a	1813	1/1	0.93	0.06	91,91,91,91	0
56	MG	1A	4046	1/1	0.93	0.16	68,68,68,68	0
56	MG	2A	3289	1/1	0.93	0.18	107,107,107,107	0
56	MG	1A	4160	1/1	0.93	0.28	50,50,50,50	0
56	MG	1E	303	1/1	0.93	0.23	62,62,62,62	0
56	MG	1A	4132	1/1	0.93	0.19	61,61,61,61	0
56	MG	2A	3704	1/1	0.93	0.30	95,95,95,95	0
56	MG	2A	3705	1/1	0.93	0.28	98,98,98,98	0
56	MG	1A	4067	1/1	0.93	0.16	86,86,86,86	0
56	MG	1A	4532	1/1	0.93	0.06	45,45,45,45	0
56	MG	2A	3297	1/1	0.93	0.33	80,80,80,80	0
56	MG	1A	4645	1/1	0.93	0.16	66,66,66,66	0
56	MG	1A	4846	1/1	0.93	0.14	74,74,74,74	0
56	MG	1A	4456	1/1	0.93	0.11	80,80,80,80	0
56	MG	1A	4457	1/1	0.93	0.06	81,81,81,81	0
56	MG	27	102	1/1	0.93	0.21	89,89,89,89	0
56	MG	1P	201	1/1	0.93	0.12	53,53,53,53	0
56	MG	1A	4496	1/1	0.93	0.07	60,60,60,60	0
56	MG	1A	4851	1/1	0.93	0.08	72,72,72,72	0
56	MG	1A	5018	1/1	0.93	0.12	71,71,71,71	0
56	MG	1A	4852	1/1	0.93	0.20	71,71,71,71	0
56	MG	1A	4397	1/1	0.93	0.14	72,72,72,72	0
56	MG	2a	1818	1/1	0.93	0.11	156,156,156,156	0
56	MG	1A	4262	1/1	0.93	0.21	66,66,66,66	0
56	MG	2a	1820	1/1	0.93	0.11	155,155,155,155	0
56	MG	2h	202	1/1	0.93	0.07	180,180,180,180	0
56	MG	1A	4461	1/1	0.93	0.21	78,78,78,78	0
56	MG	2a	1601	1/1	0.93	0.07	122,122,122,122	0
56	MG	2A	3409	1/1	0.93	0.09	116,116,116,116	0
56	MG	1A	4860	1/1	0.93	0.05	59,59,59,59	0
56	MG	2a	1825	1/1	0.93	0.09	169,169,169,169	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3039	1/1	0.93	0.06	80,80,80,80	0
56	MG	1A	4658	1/1	0.93	0.09	96,96,96,96	0
56	MG	2A	3413	1/1	0.93	0.09	126,126,126,126	0
56	MG	2A	3041	1/1	0.93	0.06	117,117,117,117	0
56	MG	1A	5026	1/1	0.93	0.14	70,70,70,70	0
56	MG	1A	4782	1/1	0.93	0.10	81,81,81,81	0
56	MG	1A	4090	1/1	0.93	0.17	55,55,55,55	0
56	MG	2A	3045	1/1	0.93	0.10	93,93,93,93	0
56	MG	1A	4940	1/1	0.93	0.20	55,55,55,55	0
56	MG	2A	3322	1/1	0.93	0.12	88,88,88,88	0
56	MG	1A	4100	1/1	0.93	0.15	66,66,66,66	0
56	MG	2a	1725	1/1	0.93	0.10	142,142,142,142	0
56	MG	1A	4942	1/1	0.93	0.07	79,79,79,79	0
56	MG	1A	4865	1/1	0.93	0.09	64,64,64,64	0
56	MG	1A	4946	1/1	0.93	0.03	52,52,52,52	0
56	MG	1A	4786	1/1	0.93	0.13	63,63,63,63	0
56	MG	1A	5038	1/1	0.93	0.27	70,70,70,70	0
56	MG	2A	3144	1/1	0.93	0.07	65,65,65,65	0
56	MG	1a	1675	1/1	0.93	0.06	124,124,124,124	0
56	MG	1A	4949	1/1	0.93	0.07	69,69,69,69	0
56	MG	1A	4787	1/1	0.93	0.24	64,64,64,64	0
56	MG	1A	4951	1/1	0.93	0.19	68,68,68,68	0
56	MG	1A	4953	1/1	0.93	0.22	60,60,60,60	0
56	MG	1A	4954	1/1	0.93	0.14	62,62,62,62	0
56	MG	2A	3336	1/1	0.93	0.26	95,95,95,95	0
56	MG	1A	4148	1/1	0.93	0.17	64,64,64,64	0
56	MG	2A	3441	1/1	0.93	0.16	109,109,109,109	0
56	MG	1A	4376	1/1	0.93	0.29	61,61,61,61	0
56	MG	1A	4149	1/1	0.93	0.26	59,59,59,59	0
56	MG	1A	4958	1/1	0.93	0.11	95,95,95,95	0
56	MG	2A	3650	1/1	0.93	0.06	115,115,115,115	0
56	MG	2A	3651	1/1	0.93	0.05	118,118,118,118	0
56	MG	1A	4355	1/1	0.93	0.09	67,67,67,67	0
56	MG	1A	4604	1/1	0.93	0.12	67,67,67,67	0
56	MG	2A	3344	1/1	0.93	0.09	91,91,91,91	0
56	MG	1A	4062	1/1	0.93	0.24	72,72,72,72	0
56	MG	2A	3657	1/1	0.93	0.09	103,103,103,103	0
56	MG	1A	4169	1/1	0.93	0.17	57,57,57,57	0
56	MG	2A	3070	1/1	0.93	0.10	156,156,156,156	0
56	MG	1A	4964	1/1	0.93	0.08	67,67,67,67	0
56	MG	1A	4474	1/1	0.93	0.19	56,56,56,56	0
56	MG	2A	3453	1/1	0.93	0.06	74,74,74,74	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3771	1/1	0.93	0.14	101,101,101,101	0
56	MG	2A	3163	1/1	0.93	0.11	103,103,103,103	0
56	MG	1A	5063	1/1	0.93	0.05	58,58,58,58	0
56	MG	1A	4190	1/1	0.93	0.16	68,68,68,68	0
56	MG	1B	202	1/1	0.93	0.05	114,114,114,114	0
56	MG	1A	4102	1/1	0.93	0.13	53,53,53,53	0
56	MG	2D	303	1/1	0.93	0.05	109,109,109,109	0
56	MG	1A	4313	1/1	0.93	0.20	50,50,50,50	0
56	MG	1A	4558	1/1	0.93	0.13	66,66,66,66	0
56	MG	1A	4414	1/1	0.93	0.36	66,66,66,66	0
56	MG	1a	1785	1/1	0.93	0.07	136,136,136,136	0
56	MG	1A	4561	1/1	0.93	0.10	57,57,57,57	0
56	MG	1A	4620	1/1	0.93	0.08	107,107,107,107	0
57	ZN	24	102	1/1	0.93	0.09	230,230,230,230	0
56	MG	1A	4811	1/1	0.93	0.10	63,63,63,63	0
56	MG	1A	4056	1/1	0.93	0.18	66,66,66,66	0
56	MG	1A	4982	1/1	0.93	0.17	54,54,54,54	0
56	MG	1A	4296	1/1	0.94	0.21	82,82,82,82	0
56	MG	1A	5002	1/1	0.94	0.09	61,61,61,61	0
56	MG	2A	3843	1/1	0.94	0.08	76,76,76,76	0
56	MG	1B	226	1/1	0.94	0.15	64,64,64,64	0
56	MG	1D	301	1/1	0.94	0.18	65,65,65,65	0
56	MG	2A	3166	1/1	0.94	0.10	85,85,85,85	0
56	MG	2A	3848	1/1	0.94	0.05	61,61,61,61	0
56	MG	2A	3489	1/1	0.94	0.04	53,53,53,53	0
56	MG	2A	3167	1/1	0.94	0.15	99,99,99,99	0
56	MG	1A	4494	1/1	0.94	0.08	78,78,78,78	0
56	MG	1A	4829	1/1	0.94	0.13	74,74,74,74	0
56	MG	1A	4608	1/1	0.94	0.20	70,70,70,70	0
56	MG	1D	306	1/1	0.94	0.13	69,69,69,69	0
56	MG	1A	4153	1/1	0.94	0.13	55,55,55,55	0
56	MG	1A	4379	1/1	0.94	0.04	95,95,95,95	0
56	MG	1A	4187	1/1	0.94	0.11	67,67,67,67	0
56	MG	1A	4917	1/1	0.94	0.22	62,62,62,62	0
56	MG	1A	4835	1/1	0.94	0.16	63,63,63,63	0
56	MG	1E	304	1/1	0.94	0.12	71,71,71,71	0
56	MG	1A	4499	1/1	0.94	0.08	59,59,59,59	0
56	MG	2B	210	1/1	0.94	0.03	70,70,70,70	0
56	MG	1A	4749	1/1	0.94	0.13	77,77,77,77	0
56	MG	2A	3621	1/1	0.94	0.27	95,95,95,95	0
56	MG	1A	4120	1/1	0.94	0.24	79,79,79,79	0
56	MG	1A	4170	1/1	0.94	0.17	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	1A	4683	1/1	0.94	0.10	55,55,55,55	0
56	MG	1O	203	1/1	0.94	0.28	87,87,87,87	0
56	MG	1A	4326	1/1	0.94	0.19	67,67,67,67	0
56	MG	1A	4385	1/1	0.94	0.40	55,55,55,55	0
56	MG	1A	4459	1/1	0.94	0.14	72,72,72,72	0
56	MG	2A	3629	1/1	0.94	0.27	114,114,114,114	0
56	MG	2A	3630	1/1	0.94	0.06	102,102,102,102	0
56	MG	2A	3189	1/1	0.94	0.13	113,113,113,113	0
56	MG	1A	4759	1/1	0.94	0.14	74,74,74,74	0
56	MG	2a	1655	1/1	0.94	0.07	142,142,142,142	0
56	MG	1A	4068	1/1	0.94	0.30	84,84,84,84	0
56	MG	1P	204	1/1	0.94	0.08	88,88,88,88	0
56	MG	2B	226	1/1	0.94	0.08	132,132,132,132	0
56	MG	1A	4559	1/1	0.94	0.24	60,60,60,60	0
56	MG	1A	4157	1/1	0.94	0.24	52,52,52,52	0
56	MG	2A	3295	1/1	0.94	0.10	97,97,97,97	0
56	MG	1R	203	1/1	0.94	0.07	52,52,52,52	0
56	MG	1A	4692	1/1	0.94	0.26	61,61,61,61	0
56	MG	1T	201	1/1	0.94	0.13	66,66,66,66	0
56	MG	1T	203	1/1	0.94	0.09	62,62,62,62	0
56	MG	1A	4104	1/1	0.94	0.29	56,56,56,56	0
56	MG	1A	4235	1/1	0.94	0.12	57,57,57,57	0
56	MG	2D	304	1/1	0.94	0.06	107,107,107,107	0
56	MG	1A	5028	1/1	0.94	0.04	70,70,70,70	0
56	MG	1A	4133	1/1	0.94	0.34	58,58,58,58	0
56	MG	1A	4465	1/1	0.94	0.23	60,60,60,60	0
56	MG	2A	3415	1/1	0.94	0.12	124,124,124,124	0
56	MG	2A	3306	1/1	0.94	0.09	85,85,85,85	0
56	MG	1A	4306	1/1	0.94	0.05	97,97,97,97	0
56	MG	1A	4944	1/1	0.94	0.09	88,88,88,88	0
56	MG	2A	3772	1/1	0.94	0.13	98,98,98,98	0
56	MG	1A	4630	1/1	0.94	0.07	56,56,56,56	0
56	MG	1A	4392	1/1	0.94	0.06	103,103,103,103	0
56	MG	1A	4430	1/1	0.94	0.25	61,61,61,61	0
56	MG	2A	3422	1/1	0.94	0.10	130,130,130,130	0
56	MG	2N	202	1/1	0.94	0.08	84,84,84,84	0
56	MG	1l	101	1/1	0.94	0.24	87,87,87,87	0
56	MG	1a	1872	1/1	0.94	0.07	195,195,195,195	0
56	MG	2A	3314	1/1	0.94	0.10	93,93,93,93	0
56	MG	1A	4702	1/1	0.94	0.05	58,58,58,58	0
56	MG	1A	5040	1/1	0.94	0.30	78,78,78,78	0
56	MG	1A	4362	1/1	0.94	0.20	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	4195	1/1	0.94	0.18	68,68,68,68	0
56	MG	1A	4636	1/1	0.94	0.21	64,64,64,64	0
56	MG	17	101	1/1	0.94	0.20	58,58,58,58	0
56	MG	1A	5045	1/1	0.94	0.08	67,67,67,67	0
56	MG	1A	4030	1/1	0.94	0.15	58,58,58,58	0
56	MG	18	103	1/1	0.94	0.22	75,75,75,75	0
56	MG	1A	5049	1/1	0.94	0.12	72,72,72,72	0
56	MG	1A	4707	1/1	0.94	0.31	73,73,73,73	0
56	MG	2A	3438	1/1	0.94	0.24	79,79,79,79	0
56	MG	1a	1602	1/1	0.94	0.13	77,77,77,77	0
56	MG	1A	4576	1/1	0.94	0.14	55,55,55,55	0
56	MG	1A	4124	1/1	0.94	0.23	76,76,76,76	0
56	MG	1A	4877	1/1	0.94	0.08	81,81,81,81	0
56	MG	2A	3796	1/1	0.94	0.17	96,96,96,96	0
56	MG	1A	4711	1/1	0.94	0.18	78,78,78,78	0
56	MG	1A	4476	1/1	0.94	0.19	66,66,66,66	0
56	MG	1A	4059	1/1	0.94	0.12	72,72,72,72	0
56	MG	2A	3679	1/1	0.94	0.07	106,106,106,106	0
56	MG	2A	3561	1/1	0.94	0.33	88,88,88,88	0
56	MG	1A	4004	1/1	0.94	0.28	45,45,45,45	0
56	MG	1A	4200	1/1	0.94	0.04	69,69,69,69	0
56	MG	1A	4883	1/1	0.94	0.03	59,59,59,59	0
56	MG	1A	4583	1/1	0.94	0.26	56,56,56,56	0
56	MG	1A	4720	1/1	0.94	0.19	79,79,79,79	0
56	MG	1A	4340	1/1	0.94	0.23	57,57,57,57	0
56	MG	1A	4527	1/1	0.94	0.13	76,76,76,76	0
56	MG	2A	3036	1/1	0.94	0.04	76,76,76,76	0
56	MG	1A	4800	1/1	0.94	0.08	69,69,69,69	0
56	MG	1A	4655	1/1	0.94	0.22	82,82,82,82	0
56	MG	1a	1711	1/1	0.94	0.06	125,125,125,125	0
56	MG	2a	1852	1/1	0.94	0.03	45,45,45,45	0
56	MG	2w	201	1/1	0.94	0.10	84,84,84,84	0
56	MG	1A	4370	1/1	0.94	0.13	61,61,61,61	0
56	MG	2A	3141	1/1	0.94	0.09	96,96,96,96	0
56	MG	2A	3694	1/1	0.94	0.11	61,61,61,61	0
56	MG	1A	4980	1/1	0.94	0.15	59,59,59,59	0
56	MG	1A	4341	1/1	0.94	0.34	48,48,48,48	0
56	MG	1A	4026	1/1	0.94	0.12	69,69,69,69	0
56	MG	1A	4533	1/1	0.94	0.15	68,68,68,68	0
56	MG	2a	1862	1/1	0.94	0.08	155,155,155,155	0
56	MG	1A	4445	1/1	0.94	0.34	73,73,73,73	0
56	MG	1A	4896	1/1	0.94	0.18	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	1a	1722	1/1	0.94	0.14	113,113,113,113	0
56	MG	1A	4139	1/1	0.94	0.17	68,68,68,68	0
56	MG	1A	4044	1/1	0.94	0.19	62,62,62,62	0
56	MG	1A	4489	1/1	0.94	0.08	75,75,75,75	0
56	MG	1A	4407	1/1	0.94	0.17	52,52,52,52	0
56	MG	1A	4408	1/1	0.94	0.09	57,57,57,57	0
56	MG	2A	3708	1/1	0.94	0.11	100,100,100,100	0
56	MG	1A	4817	1/1	0.94	0.11	65,65,65,65	0
56	MG	1A	4295	1/1	0.94	0.13	83,83,83,83	0
56	MG	1A	4668	1/1	0.94	0.07	93,93,93,93	0
56	MG	2A	3258	1/1	0.94	0.23	75,75,75,75	0
56	MG	1A	4544	1/1	0.94	0.15	77,77,77,77	0
56	MG	1b	303	1/1	0.94	0.05	166,166,166,166	0
56	MG	2A	3368	1/1	0.94	0.09	100,100,100,100	0
56	MG	1A	4739	1/1	0.94	0.13	74,74,74,74	0
56	MG	2A	3061	1/1	0.94	0.09	92,92,92,92	0
56	MG	1A	4531	1/1	0.95	0.08	68,68,68,68	0
56	MG	1A	4154	1/1	0.95	0.09	68,68,68,68	0
56	MG	2A	3581	1/1	0.95	0.04	116,116,116,116	0
56	MG	1A	4828	1/1	0.95	0.08	80,80,80,80	0
56	MG	1A	4632	1/1	0.95	0.13	66,66,66,66	0
56	MG	1A	4057	1/1	0.95	0.32	63,63,63,63	0
56	MG	1A	4350	1/1	0.95	0.20	68,68,68,68	0
56	MG	1A	4282	1/1	0.95	0.15	69,69,69,69	0
56	MG	1a	1608	1/1	0.95	0.10	69,69,69,69	0
56	MG	1a	1693	1/1	0.95	0.06	136,136,136,136	0
56	MG	1A	4204	1/1	0.95	0.13	64,64,64,64	0
56	MG	1A	4539	1/1	0.95	0.05	69,69,69,69	0
56	MG	1A	4265	1/1	0.95	0.23	61,61,61,61	0
56	MG	1a	1876	1/1	0.95	0.09	102,102,102,102	0
56	MG	1A	4698	1/1	0.95	0.20	70,70,70,70	0
56	MG	1A	4586	1/1	0.95	0.20	73,73,73,73	0
56	MG	1A	4435	1/1	0.95	0.22	65,65,65,65	0
56	MG	1A	4643	1/1	0.95	0.14	64,64,64,64	0
56	MG	1A	4765	1/1	0.95	0.11	60,60,60,60	0
56	MG	1B	218	1/1	0.95	0.30	61,61,61,61	0
56	MG	2A	3600	1/1	0.95	0.07	118,118,118,118	0
56	MG	2A	3601	1/1	0.95	0.16	101,101,101,101	0
56	MG	2A	3498	1/1	0.95	0.08	102,102,102,102	0
56	MG	2A	3296	1/1	0.95	0.12	94,94,94,94	0
56	MG	2A	3707	1/1	0.95	0.19	100,100,100,100	0
56	MG	1A	4588	1/1	0.95	0.08	79,79,79,79	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	4267	1/1	0.95	0.27	63,63,63,63	0
56	MG	1a	1887	1/1	0.95	0.08	130,130,130,130	0
56	MG	1A	4646	1/1	0.95	0.25	69,69,69,69	0
56	MG	1B	222	1/1	0.95	0.04	91,91,91,91	0
56	MG	1A	4590	1/1	0.95	0.10	71,71,71,71	0
56	MG	1A	4005	1/1	0.95	0.14	65,65,65,65	0
56	MG	1A	5008	1/1	0.95	0.04	76,76,76,76	0
56	MG	25	101	1/1	0.95	0.03	45,45,45,45	0
56	MG	1A	4649	1/1	0.95	0.11	65,65,65,65	0
56	MG	1A	4651	1/1	0.95	0.12	88,88,88,88	0
56	MG	1a	1713	1/1	0.95	0.05	109,109,109,109	0
56	MG	2A	3118	1/1	0.95	0.06	135,135,135,135	0
56	MG	27	103	1/1	0.95	0.08	97,97,97,97	0
56	MG	1A	4853	1/1	0.95	0.15	78,78,78,78	0
56	MG	2A	3514	1/1	0.95	0.04	114,114,114,114	0
56	MG	2A	3618	1/1	0.95	0.06	149,149,149,149	0
56	MG	1A	4020	1/1	0.95	0.17	73,73,73,73	0
56	MG	1A	4855	1/1	0.95	0.10	59,59,59,59	0
56	MG	1A	4470	1/1	0.95	0.14	54,54,54,54	0
56	MG	1A	4015	1/1	0.95	0.26	63,63,63,63	0
56	MG	1A	4859	1/1	0.95	0.11	72,72,72,72	0
56	MG	1A	4713	1/1	0.95	0.11	55,55,55,55	0
56	MG	2A	3729	1/1	0.95	0.20	83,83,83,83	0
56	MG	1A	4409	1/1	0.95	0.20	56,56,56,56	0
56	MG	1A	4936	1/1	0.95	0.13	61,61,61,61	0
56	MG	1A	4442	1/1	0.95	0.06	75,75,75,75	0
56	MG	1A	4939	1/1	0.95	0.23	71,71,71,71	0
56	MG	1E	306	1/1	0.95	0.07	83,83,83,83	0
56	MG	1A	4716	1/1	0.95	0.14	72,72,72,72	0
56	MG	1A	4083	1/1	0.95	0.15	58,58,58,58	0
56	MG	1A	4290	1/1	0.95	0.26	70,70,70,70	0
56	MG	2A	3134	1/1	0.95	0.08	83,83,83,83	0
56	MG	2A	3851	1/1	0.95	0.04	110,110,110,110	0
56	MG	1a	1643	1/1	0.95	0.11	130,130,130,130	0
56	MG	1A	4076	1/1	0.95	0.13	77,77,77,77	0
56	MG	1A	4210	1/1	0.95	0.16	58,58,58,58	0
56	MG	1A	4789	1/1	0.95	0.08	96,96,96,96	0
56	MG	2a	1728	1/1	0.95	0.18	79,79,79,79	0
56	MG	1A	5029	1/1	0.95	0.06	69,69,69,69	0
56	MG	1A	4947	1/1	0.95	0.18	71,71,71,71	0
56	MG	2A	3047	1/1	0.95	0.15	99,99,99,99	0
56	MG	1A	4293	1/1	0.95	0.08	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	5032	1/1	0.95	0.08	83,83,83,83	0
56	MG	1A	4871	1/1	0.95	0.22	55,55,55,55	0
56	MG	2A	3051	1/1	0.95	0.09	104,104,104,104	0
56	MG	1A	4555	1/1	0.95	0.16	57,57,57,57	0
56	MG	2A	3147	1/1	0.95	0.14	82,82,82,82	0
56	MG	2a	1855	1/1	0.95	0.03	88,88,88,88	0
56	MG	1Q	203	1/1	0.95	0.07	50,50,50,50	0
56	MG	1A	4664	1/1	0.95	0.15	73,73,73,73	0
56	MG	2A	3341	1/1	0.95	0.07	86,86,86,86	0
56	MG	1A	4480	1/1	0.95	0.06	80,80,80,80	0
56	MG	1A	4025	1/1	0.95	0.15	67,67,67,67	0
56	MG	2a	1861	1/1	0.95	0.05	153,153,153,153	0
56	MG	1A	4114	1/1	0.95	0.12	56,56,56,56	0
56	MG	1A	4078	1/1	0.95	0.20	66,66,66,66	0
56	MG	1A	4729	1/1	0.95	0.12	64,64,64,64	0
56	MG	1A	4801	1/1	0.95	0.08	76,76,76,76	0
56	MG	1A	4420	1/1	0.95	0.24	50,50,50,50	0
56	MG	1U	203	1/1	0.95	0.10	64,64,64,64	0
56	MG	1W	202	1/1	0.95	0.08	55,55,55,55	0
56	MG	2a	1750	1/1	0.95	0.09	120,120,120,120	0
56	MG	1A	4244	1/1	0.95	0.18	51,51,51,51	0
56	MG	1Z	301	1/1	0.95	0.18	80,80,80,80	0
56	MG	2A	3662	1/1	0.95	0.11	96,96,96,96	0
56	MG	1A	4486	1/1	0.95	0.14	67,67,67,67	0
56	MG	1Z	303	1/1	0.95	0.07	42,42,42,42	0
56	MG	1A	4522	1/1	0.95	0.14	76,76,76,76	0
56	MG	1A	4963	1/1	0.95	0.09	78,78,78,78	0
56	MG	1A	4260	1/1	0.95	0.29	58,58,58,58	0
56	MG	1A	4524	1/1	0.95	0.34	74,74,74,74	0
56	MG	1A	4245	1/1	0.95	0.24	52,52,52,52	0
56	MG	1A	4322	1/1	0.95	0.15	85,85,85,85	0
56	MG	1A	4396	1/1	0.95	0.33	72,72,72,72	0
56	MG	1A	4740	1/1	0.95	0.08	79,79,79,79	0
56	MG	1A	4571	1/1	0.95	0.14	79,79,79,79	0
56	MG	1A	4893	1/1	0.95	0.05	65,65,65,65	0
56	MG	1A	4371	1/1	0.95	0.21	74,74,74,74	0
56	MG	1A	5060	1/1	0.95	0.24	64,64,64,64	0
56	MG	1A	4574	1/1	0.95	0.18	57,57,57,57	0
56	MG	1A	4686	1/1	0.95	0.10	93,93,93,93	0
56	MG	1a	1772	1/1	0.95	0.03	136,136,136,136	0
57	ZN	1n	103	1/1	0.95	0.05	212,212,212,212	0
56	MG	1A	4347	1/1	0.95	0.10	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	1660	1/1	0.95	0.08	142,142,142,142	0
59	GDP	1v	704	28/28	0.95	0.07	117,117,117,117	0
56	MG	1A	4530	1/1	0.95	0.06	68,68,68,68	0
56	MG	2A	3180	1/1	0.95	0.09	116,116,116,116	0
56	MG	1A	4843	1/1	0.96	0.05	76,76,76,76	0
56	MG	1A	4107	1/1	0.96	0.23	52,52,52,52	0
56	MG	1A	4934	1/1	0.96	0.09	77,77,77,77	0
56	MG	1A	4845	1/1	0.96	0.15	68,68,68,68	0
56	MG	17	102	1/1	0.96	0.12	61,61,61,61	0
56	MG	2A	3518	1/1	0.96	0.05	96,96,96,96	0
56	MG	1A	4638	1/1	0.96	0.04	66,66,66,66	0
56	MG	18	101	1/1	0.96	0.38	56,56,56,56	0
56	MG	2A	3265	1/1	0.96	0.08	90,90,90,90	0
56	MG	1a	1878	1/1	0.96	0.04	105,105,105,105	0
56	MG	2A	3653	1/1	0.96	0.09	117,117,117,117	0
56	MG	21	101	1/1	0.96	0.09	110,110,110,110	0
56	MG	1A	4534	1/1	0.96	0.05	78,78,78,78	0
56	MG	1A	4615	1/1	0.96	0.12	67,67,67,67	0
56	MG	1A	5044	1/1	0.96	0.10	52,52,52,52	0
56	MG	1A	4991	1/1	0.96	0.05	66,66,66,66	0
56	MG	1A	4641	1/1	0.96	0.06	79,79,79,79	0
56	MG	2A	3396	1/1	0.96	0.05	126,126,126,126	0
56	MG	1A	4766	1/1	0.96	0.07	56,56,56,56	0
56	MG	1A	4043	1/1	0.96	0.28	56,56,56,56	0
56	MG	1A	4231	1/1	0.96	0.04	72,72,72,72	0
56	MG	1A	4808	1/1	0.96	0.19	53,53,53,53	0
56	MG	1A	4770	1/1	0.96	0.13	65,65,65,65	0
56	MG	1A	4176	1/1	0.96	0.13	59,59,59,59	0
56	MG	1A	4318	1/1	0.96	0.13	81,81,81,81	0
56	MG	1A	4203	1/1	0.96	0.05	61,61,61,61	0
56	MG	2a	1810	1/1	0.96	0.06	129,129,129,129	0
56	MG	1A	4902	1/1	0.96	0.09	63,63,63,63	0
56	MG	1A	4223	1/1	0.96	0.05	70,70,70,70	0
56	MG	1A	4412	1/1	0.96	0.06	62,62,62,62	0
56	MG	1A	4128	1/1	0.96	0.17	60,60,60,60	0
56	MG	1A	4906	1/1	0.96	0.17	57,57,57,57	0
56	MG	1A	4650	1/1	0.96	0.17	63,63,63,63	0
56	MG	1A	4339	1/1	0.96	0.20	59,59,59,59	0
56	MG	1A	4821	1/1	0.96	0.09	73,73,73,73	0
56	MG	2A	3741	1/1	0.96	0.15	85,85,85,85	0
56	MG	1A	4684	1/1	0.96	0.17	52,52,52,52	0
56	MG	1A	4236	1/1	0.96	0.30	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	1a	1789	1/1	0.96	0.05	111,111,111,111	0
56	MG	2A	3117	1/1	0.96	0.09	134,134,134,134	0
56	MG	1A	4185	1/1	0.96	0.25	62,62,62,62	0
56	MG	2A	3234	1/1	0.96	0.16	103,103,103,103	0
56	MG	1A	4827	1/1	0.96	0.24	69,69,69,69	0
56	MG	2A	3819	1/1	0.96	0.07	42,42,42,42	0
56	MG	2A	3749	1/1	0.96	0.15	93,93,93,93	0
56	MG	1A	4266	1/1	0.96	0.17	58,58,58,58	0
56	MG	2a	1830	1/1	0.96	0.06	147,147,147,147	0
56	MG	1A	4239	1/1	0.96	0.10	56,56,56,56	0
56	MG	1A	4344	1/1	0.96	0.21	70,70,70,70	0
56	MG	1A	4421	1/1	0.96	0.10	58,58,58,58	0
56	MG	1A	4751	1/1	0.96	0.20	71,71,71,71	0
56	MG	1U	202	1/1	0.96	0.33	58,58,58,58	0
56	MG	1A	4969	1/1	0.96	0.12	63,63,63,63	0
56	MG	1W	201	1/1	0.96	0.13	72,72,72,72	0
56	MG	1A	5023	1/1	0.96	0.09	58,58,58,58	0
56	MG	2a	1916	1/1	0.96	0.04	63,63,63,63	0
56	MG	2a	1842	1/1	0.96	0.07	196,196,196,196	0
56	MG	1A	4921	1/1	0.96	0.10	71,71,71,71	0
56	MG	1A	4603	1/1	0.96	0.15	67,67,67,67	0
56	MG	1A	4834	1/1	0.96	0.14	72,72,72,72	0
56	MG	1a	1689	1/1	0.96	0.09	133,133,133,133	0
56	MG	1A	4310	1/1	0.96	0.23	73,73,73,73	0
56	MG	1A	4166	1/1	0.96	0.28	34,34,34,34	0
56	MG	2A	3766	1/1	0.96	0.09	66,66,66,66	0
56	MG	1A	4976	1/1	0.96	0.15	77,77,77,77	0
56	MG	2A	3436	1/1	0.96	0.13	104,104,104,104	0
56	MG	1A	4508	1/1	0.96	0.06	70,70,70,70	0
56	MG	1A	4978	1/1	0.96	0.24	60,60,60,60	0
56	MG	2A	3439	1/1	0.96	0.25	56,56,56,56	0
57	ZN	2Y	203	1/1	0.96	0.06	153,153,153,153	0
56	MG	1A	4098	1/1	0.96	0.15	53,53,53,53	0
56	MG	1A	4758	1/1	0.96	0.08	75,75,75,75	0
56	MG	1A	4173	1/1	0.96	0.17	57,57,57,57	0
56	MG	1A	4760	1/1	0.96	0.11	67,67,67,67	0
56	MG	2A	3317	1/1	0.96	0.09	81,81,81,81	0
56	MG	2a	1851	1/1	0.97	0.05	145,145,145,145	0
56	MG	2A	3352	1/1	0.97	0.10	89,89,89,89	0
56	MG	1A	4974	1/1	0.97	0.11	74,74,74,74	0
56	MG	1A	4552	1/1	0.97	0.12	71,71,71,71	0
56	MG	1A	4186	1/1	0.97	0.17	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	3187	1/1	0.97	0.07	105,105,105,105	0
56	MG	1A	4816	1/1	0.97	0.07	75,75,75,75	0
56	MG	1A	4033	1/1	0.97	0.14	70,70,70,70	0
56	MG	2A	3496	1/1	0.97	0.07	99,99,99,99	0
56	MG	1a	1614	1/1	0.97	0.04	93,93,93,93	0
56	MG	1A	4792	1/1	0.97	0.04	66,66,66,66	0
56	MG	1A	4607	1/1	0.97	0.05	67,67,67,67	0
56	MG	1a	1721	1/1	0.97	0.04	134,134,134,134	0
56	MG	1A	4952	1/1	0.97	0.11	65,65,65,65	0
56	MG	1A	4192	1/1	0.97	0.11	68,68,68,68	0
56	MG	1A	4872	1/1	0.97	0.14	54,54,54,54	0
56	MG	1v	703	1/1	0.97	0.07	116,116,116,116	0
56	MG	1N	201	1/1	0.97	0.07	72,72,72,72	0
56	MG	2A	3074	1/1	0.97	0.09	138,138,138,138	0
56	MG	1x	302	1/1	0.97	0.07	45,45,45,45	0
56	MG	1a	1726	1/1	0.97	0.03	127,127,127,127	0
56	MG	1A	4735	1/1	0.97	0.08	65,65,65,65	0
56	MG	2a	1719	1/1	0.97	0.04	151,151,151,151	0
56	MG	1y	103	1/1	0.97	0.09	89,89,89,89	0
56	MG	1A	4775	1/1	0.97	0.10	78,78,78,78	0
56	MG	1A	4718	1/1	0.97	0.06	99,99,99,99	0
56	MG	1A	4849	1/1	0.97	0.04	84,84,84,84	0
56	MG	1A	4416	1/1	0.97	0.13	57,57,57,57	0
56	MG	1A	4582	1/1	0.97	0.17	65,65,65,65	0
56	MG	20	106	1/1	0.97	0.05	128,128,128,128	0
56	MG	1a	1695	1/1	0.97	0.04	159,159,159,159	0
56	MG	1A	4596	1/1	0.97	0.06	65,65,65,65	0
56	MG	2a	1679	1/1	0.97	0.06	166,166,166,166	0
56	MG	1A	4672	1/1	0.97	0.26	67,67,67,67	0
56	MG	2a	1832	1/1	0.97	0.06	138,138,138,138	0
56	MG	1P	205	1/1	0.97	0.05	95,95,95,95	0
56	MG	2a	1834	1/1	0.97	0.05	161,161,161,161	0
56	MG	2A	3384	1/1	0.97	0.23	105,105,105,105	0
56	MG	1A	4151	1/1	0.97	0.32	60,60,60,60	0
56	MG	1Q	202	1/1	0.97	0.07	67,67,67,67	0
56	MG	1A	4537	1/1	0.97	0.08	66,66,66,66	0
56	MG	1A	4937	1/1	0.97	0.07	58,58,58,58	0
56	MG	1A	4783	1/1	0.97	0.23	70,70,70,70	0
56	MG	2A	3847	1/1	0.97	0.09	91,91,91,91	0
56	MG	1S	201	1/1	0.97	0.29	74,74,74,74	0
56	MG	1A	4468	1/1	0.97	0.07	58,58,58,58	0
57	ZN	14	501	1/1	0.97	0.09	172,172,172,172	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2a	1642	1/1	0.97	0.07	143,143,143,143	0
56	MG	1A	5061	1/1	0.97	0.03	91,91,91,91	0
56	MG	1A	4709	1/1	0.97	0.09	68,68,68,68	0
56	MG	1A	4511	1/1	0.97	0.08	68,68,68,68	0
58	SF4	1d	304	8/8	0.97	0.04	150,150,150,150	0
58	SF4	2d	303	8/8	0.97	0.04	166,166,166,166	0
56	MG	1A	4836	1/1	0.97	0.10	58,58,58,58	0
56	MG	1A	4109	1/1	0.97	0.20	54,54,54,54	0
56	MG	1A	4221	1/1	0.97	0.29	71,71,71,71	0
56	MG	1a	1727	1/1	0.98	0.05	127,127,127,127	0
56	MG	1a	1793	1/1	0.98	0.03	128,128,128,128	0
56	MG	1e	301	1/1	0.98	0.09	140,140,140,140	0
56	MG	1A	4382	1/1	0.98	0.06	68,68,68,68	0
56	MG	2b	301	1/1	0.98	0.03	199,199,199,199	0
56	MG	1A	4611	1/1	0.98	0.15	54,54,54,54	0
56	MG	1A	4028	1/1	0.98	0.10	58,58,58,58	0
56	MG	1A	4613	1/1	0.98	0.07	70,70,70,70	0
56	MG	2a	1831	1/1	0.98	0.06	145,145,145,145	0
56	MG	2A	3765	1/1	0.98	0.03	120,120,120,120	0
56	MG	1V	201	1/1	0.98	0.23	74,74,74,74	0
56	MG	1A	4438	1/1	0.98	0.04	65,65,65,65	0
56	MG	2A	3813	1/1	0.98	0.03	126,126,126,126	0
56	MG	1H	202	1/1	0.98	0.23	76,76,76,76	0
56	MG	2A	3592	1/1	0.98	0.08	129,129,129,129	0
56	MG	1A	4869	1/1	0.98	0.08	54,54,54,54	0
56	MG	1A	4016	1/1	0.98	0.16	68,68,68,68	0
56	MG	1O	202	1/1	0.98	0.04	82,82,82,82	0
56	MG	2A	3510	1/1	0.98	0.04	94,94,94,94	0
56	MG	1A	4092	1/1	0.98	0.05	60,60,60,60	0
56	MG	1A	4945	1/1	0.98	0.04	73,73,73,73	0
56	MG	2A	3471	1/1	0.98	0.06	113,113,113,113	0
56	MG	1A	4674	1/1	0.98	0.06	91,91,91,91	0
56	MG	1A	4967	1/1	0.98	0.04	83,83,83,83	0
56	MG	1A	4822	1/1	0.98	0.27	82,82,82,82	0
56	MG	1O	103	1/1	0.98	0.06	72,72,72,72	0
56	MG	2A	3357	1/1	0.98	0.03	87,87,87,87	0
56	MG	1A	4928	1/1	0.98	0.04	77,77,77,77	0
56	MG	1A	4675	1/1	0.98	0.04	104,104,104,104	0
56	MG	1A	4201	1/1	0.98	0.09	70,70,70,70	0
56	MG	1A	4994	1/1	0.98	0.04	79,79,79,79	0
56	MG	1D	304	1/1	0.98	0.04	75,75,75,75	0
56	MG	1A	4238	1/1	0.98	0.17	59,59,59,59	0

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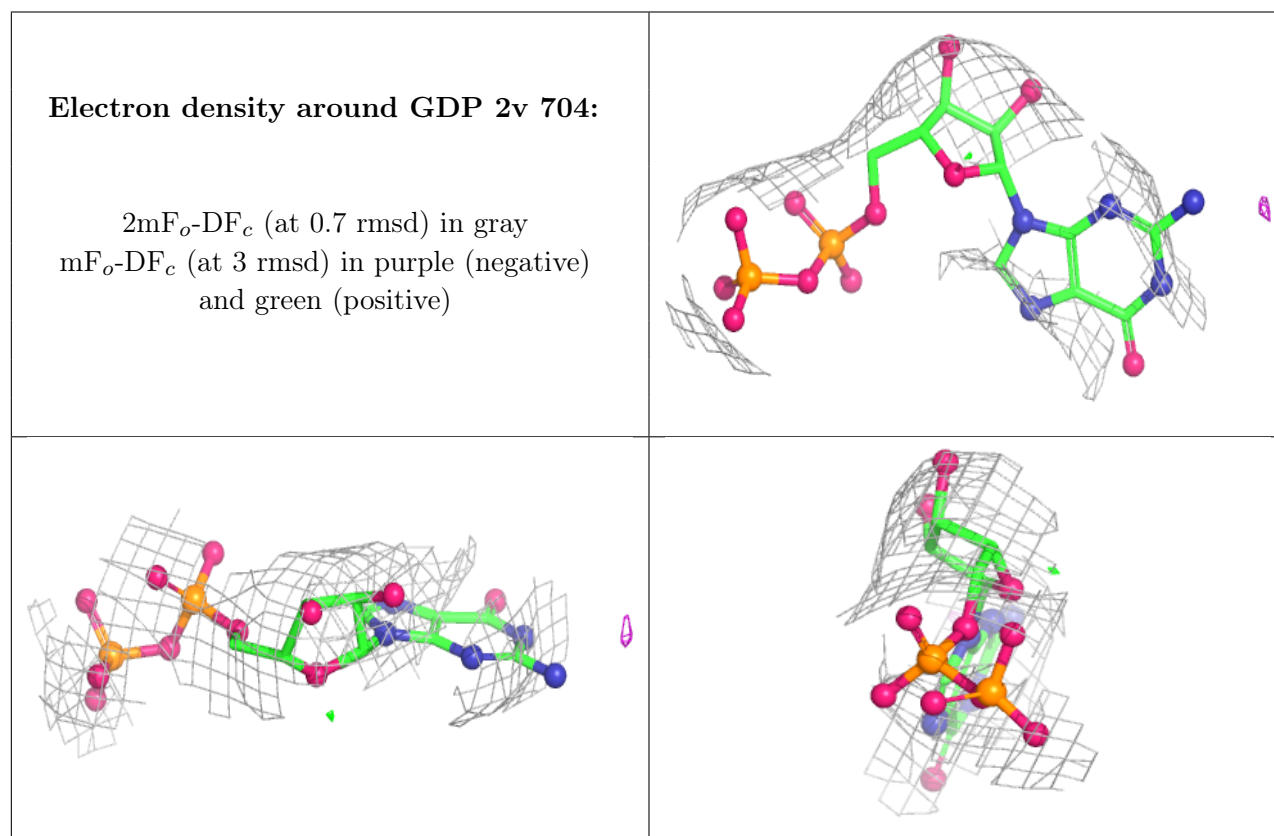
Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1a	1885	1/1	0.98	0.10	128,128,128,128	0
56	MG	1A	4471	1/1	0.98	0.07	60,60,60,60	0
56	MG	2A	3485	1/1	0.98	0.03	60,60,60,60	0
56	MG	1R	202	1/1	0.98	0.08	56,56,56,56	0
56	MG	1A	5046	1/1	0.98	0.15	78,78,78,78	0
56	MG	1A	4810	1/1	0.98	0.04	63,63,63,63	0
56	MG	2A	3369	1/1	0.98	0.04	84,84,84,84	0
56	MG	1A	4914	1/1	0.98	0.04	74,74,74,74	0
56	MG	1a	1787	1/1	0.98	0.03	124,124,124,124	0
57	ZN	26	102	1/1	0.98	0.03	130,130,130,130	0
57	ZN	29	103	1/1	0.98	0.07	143,143,143,143	0
56	MG	1A	5000	1/1	0.98	0.07	63,63,63,63	0
56	MG	2A	3075	1/1	0.98	0.03	142,142,142,142	0
56	MG	1T	202	1/1	0.98	0.10	83,83,83,83	0
56	MG	1A	4570	1/1	0.98	0.07	60,60,60,60	0
56	MG	2A	3580	1/1	0.98	0.06	118,118,118,118	0
56	MG	1A	4680	1/1	0.98	0.04	82,82,82,82	0
56	MG	1A	5039	1/1	0.99	0.04	68,68,68,68	0
56	MG	1A	4572	1/1	0.99	0.06	83,83,83,83	0
56	MG	1A	4856	1/1	0.99	0.03	60,60,60,60	0
56	MG	1A	4591	1/1	0.99	0.04	85,85,85,85	0
56	MG	1A	4996	1/1	0.99	0.04	71,71,71,71	0
56	MG	1A	4567	1/1	0.99	0.08	56,56,56,56	0
56	MG	1A	4793	1/1	0.99	0.02	108,108,108,108	0
56	MG	1A	4825	1/1	0.99	0.03	92,92,92,92	0
56	MG	1A	4918	1/1	0.99	0.05	61,61,61,61	0
56	MG	2A	3455	1/1	0.99	0.04	90,90,90,90	0
56	MG	1A	5048	1/1	0.99	0.03	65,65,65,65	0
56	MG	1a	1720	1/1	0.99	0.02	124,124,124,124	0
56	MG	1A	5001	1/1	0.99	0.03	65,65,65,65	0
56	MG	1A	4979	1/1	0.99	0.04	58,58,58,58	0
56	MG	1A	4794	1/1	0.99	0.05	67,67,67,67	0
56	MG	1A	4755	1/1	0.99	0.04	60,60,60,60	0
56	MG	1a	1806	1/1	0.99	0.03	135,135,135,135	0
56	MG	1A	4744	1/1	0.99	0.04	69,69,69,69	0
57	ZN	1Y	302	1/1	0.99	0.04	96,96,96,96	0
56	MG	1E	307	1/1	0.99	0.04	62,62,62,62	0
56	MG	1A	4769	1/1	0.99	0.04	72,72,72,72	0
56	MG	1A	4654	1/1	0.99	0.06	84,84,84,84	0
56	MG	1A	4814	1/1	0.99	0.03	59,59,59,59	0
57	ZN	25	102	1/1	0.99	0.04	119,119,119,119	0
56	MG	1A	4351	1/1	0.99	0.07	67,67,67,67	0

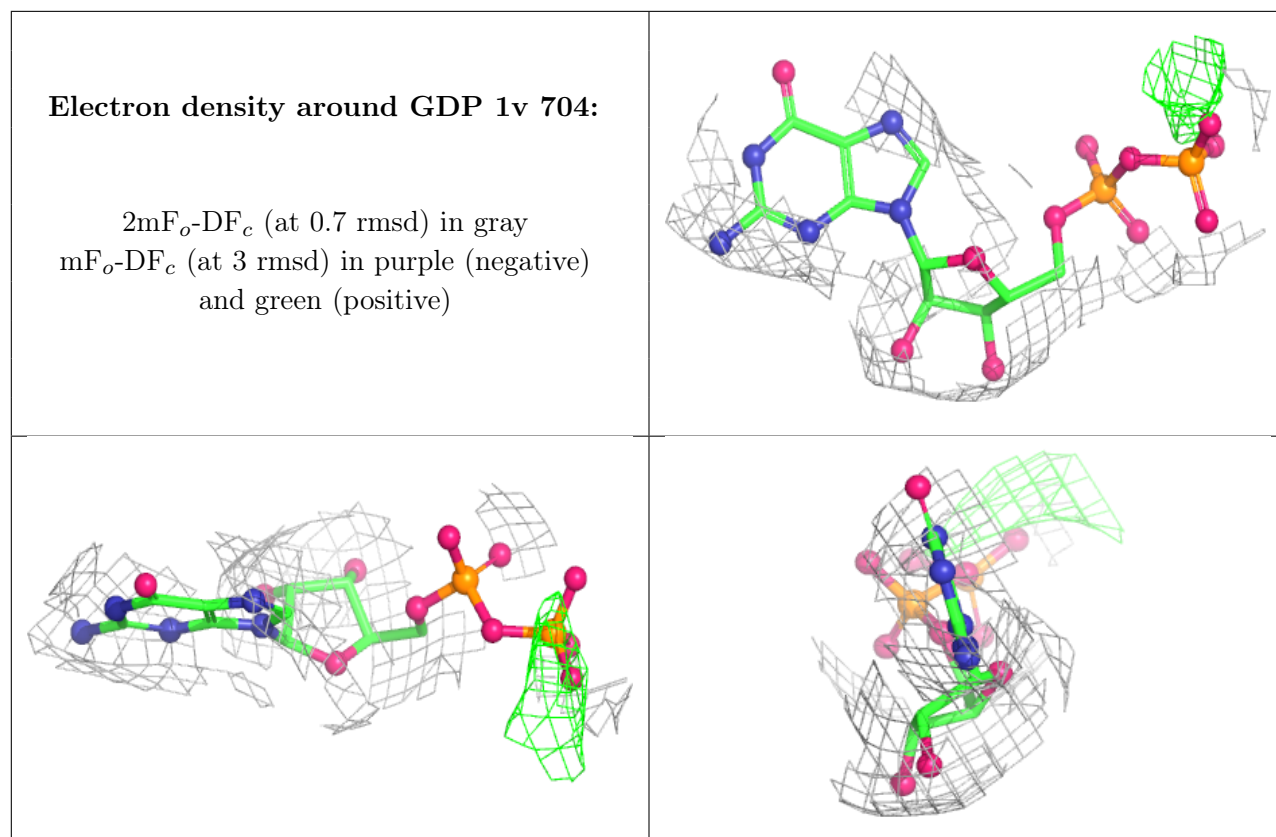
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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	4325	1/1	0.99	0.05	63,63,63,63	0
56	MG	1A	4254	1/1	0.99	0.06	66,66,66,66	0
56	MG	1A	4498	1/1	0.99	0.06	63,63,63,63	0
56	MG	2A	3820	1/1	0.99	0.04	106,106,106,106	0
56	MG	1A	4597	1/1	0.99	0.05	65,65,65,65	0
56	MG	1A	4614	1/1	0.99	0.03	71,71,71,71	0
56	MG	1A	4873	1/1	0.99	0.04	55,55,55,55	0
57	ZN	15	103	1/1	1.00	0.02	74,74,74,74	0
57	ZN	16	102	1/1	1.00	0.02	82,82,82,82	0
57	ZN	19	102	1/1	1.00	0.04	80,80,80,80	0

The following is a graphical depiction of the model fit to experimental electron density of all instances of the Ligand of Interest. In addition, ligands with molecular weight > 250 and outliers as shown on the geometry validation Tables will also be included. Each fit is shown from different orientation to approximate a three-dimensional view.





6.5 Other polymers [i](#)

There are no such residues in this entry.