



wwPDB X-ray Structure Validation Summary Report ⓘ

Aug 6, 2026 – 02:33 PM EDT

PDB ID : 8UD7 / pdb_00008ud7
Title : Crystal structure of the A2058-N6-dimethylated *Thermus thermophilus* 70S ribosome in complex with cresomycin, mRNA, deacylated A-site tRNA^{phe}, aminoacylated P-site fMet-tRNA^{met}, and deacylated E-site tRNA^{phe} at 2.70Å resolution
Authors : Aleksandrova, E.V.; Syroegin, E.A.; Wu, K.J.Y.; Tresco, B.I.C.; Ramkissoon, A.; See, D.N.Y.; Liow, P.; Dittamore, G.A.; Yu, M.; Testolin, G.; Mitcheltree, M.J.; Liu, R.Y.; Svetlov, M.S.; Myers, A.G.; Polikanov, Y.S.
Deposited on : 2023-09-28
Resolution : 2.55 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	:	9.0.015 (Gargrove)
Density-Fitness	:	1.0.12

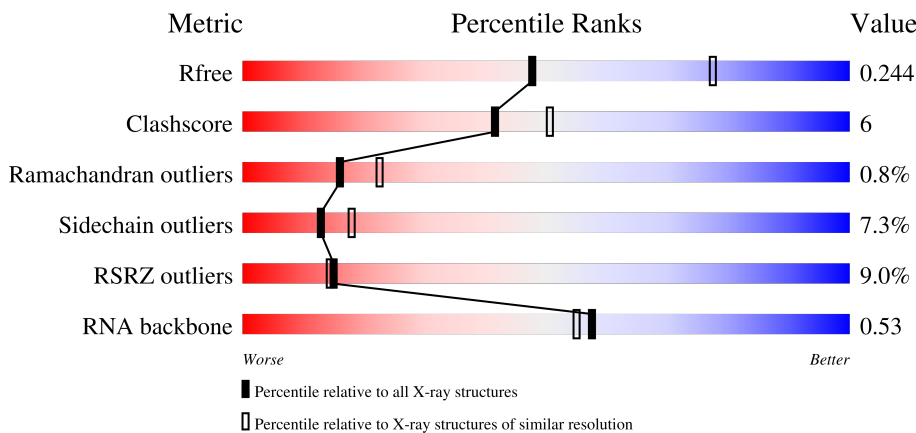
1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

X-RAY DIFFRACTION

The reported resolution of this entry is 2.55 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	1091 (2.54-2.54)
Clashscore	190562	1120 (2.54-2.54)
Ramachandran outliers	187476	1106 (2.54-2.54)
Sidechain outliers	187428	1106 (2.54-2.54)
RSRZ outliers	180081	1091 (2.54-2.54)
RNA backbone	3983	1112 (2.80-2.28)

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	

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Ideal geometry (proteins) : Engh & Huber (2001)
 Ideal geometry (DNA, RNA) : Parkinson et al. (1996)
 Validation Pipeline (wwPDB-VP) : 2.50

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Mol	Chain	Length	Quality of chain
1	2A	2915	
2	1B	121	
2	2B	121	
3	1D	276	
3	2D	276	
4	1E	206	
4	2E	206	
5	1F	210	
5	2F	210	
6	1G	182	
6	2G	182	
7	1H	180	
7	2H	180	
8	1I	148	
8	2I	148	
9	1N	140	
9	2N	140	
10	1O	122	
10	2O	122	
11	1P	150	
11	2P	150	
12	1Q	141	
12	2Q	141	
13	1R	118	
13	2R	118	

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

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Mol	Chain	Length	Quality of chain
26	24	71	
27	15	60	
27	25	60	
28	16	54	
28	26	54	
29	17	49	
29	27	49	
30	18	65	
30	28	65	
31	19	37	
31	29	37	
32	1a	1521	
32	2a	1521	
33	1b	256	
33	2b	256	
34	1c	239	
34	2c	239	
35	1d	209	
35	2d	209	
36	1e	162	
36	2e	162	
37	1f	101	
37	2f	101	
38	1g	156	
38	2g	156	

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Mol	Chain	Length	Quality of chain
39	1h	138	
39	2h	138	
40	1i	128	
40	2i	128	
41	1j	105	
41	2j	105	
42	1k	129	
42	2k	129	
43	1l	132	
43	2l	132	
44	1m	126	
44	2m	126	
45	1n	61	
45	2n	61	
46	1o	89	
46	2o	89	
47	1p	88	
47	2p	88	
48	1q	105	
48	2q	105	
49	1r	88	
49	2r	88	
50	1s	93	
50	2s	93	
51	1t	106	

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Mol	Chain	Length	Quality of chain
51	2t	106	
52	1u	27	
52	2u	27	
53	1v	24	
53	2v	24	
54	1w	76	
54	1y	76	
54	2w	76	
54	2y	76	
55	1x	77	
55	2x	77	

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

Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
54	PSU	2y	55	-	-	X	-
56	MG	1A	3293	-	-	-	X
56	MG	1A	3553	-	-	-	X
56	MG	2A	3130	-	-	-	X
56	MG	2A	3336	-	-	-	X
56	MG	2a	1634	-	-	-	X
56	MG	2a	1647	-	-	-	X
56	MG	2a	1686	-	-	-	X
56	MG	2a	1722	-	-	-	X
56	MG	2a	1814	-	-	-	X

2 Entry composition

There are 61 unique types of molecules in this entry. The entry contains 299373 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
			61854	27533	11572	19878	2871			
1	2A	2800	Total	C	N	O	P	0	0	0
			60324	26850	11284	19390	2800			

- Molecule 2 is a RNA chain called 5S Ribosomal RNA.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
2	1B	120	Total	C	N	O	P	0	0	0
			2577	1146	476	835	120			
2	2B	120	Total	C	N	O	P	0	0	0
			2575	1146	476	833	120			

- Molecule 3 is a protein called 50S ribosomal protein L2.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
3	1D	275	Total	C	N	O	S	0	0	0
			2136	1349	423	361	3			
3	2D	275	Total	C	N	O	S	0	0	0
			2136	1349	423	361	3			

- Molecule 4 is a protein called 50S ribosomal protein L3.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
4	1E	204	Total	C	N	O	S	0	0	0
			1559	985	298	270	6			
4	2E	204	Total	C	N	O	S	0	0	0
			1559	985	298	270	6			

- Molecule 5 is a protein called 50S ribosomal protein L4.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
5	1F	203	Total	C	N	O	S	0	0	1
			1584	1009	298	275	2			
5	2F	203	Total	C	N	O	S	0	0	1
			1580	1007	297	274	2			

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
22	10	77	Total	C	N	O	S	0	0	0
			608	375	129	103	1			
22	20	83	Total	C	N	O	S	0	0	0
			653	404	139	109	1			

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
32	1a	1500	Total	C	N	O	P	0	0	0
			32246	14358	5975	10413	1500			
32	2a	1503	Total	C	N	O	P	0	0	0
			32327	14396	5990	10438	1503			

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

- Molecule 53 is a RNA chain called MF-mRNA.

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

- Molecule 54 is a RNA chain called A- and E-site Deacylated tRNA^{phe}.

Mol	Chain	Residues	Atoms						ZeroOcc	AltConf	Trace
54	1w	72	Total	C	N	O	P	S	0	0	0
			1550	694	277	505	72	2			
54	1y	74	Total	C	N	O	P	S	0	0	0
			1585	707	285	518	74	1			
54	2w	69	Total	C	N	O	P	S	0	0	0
			1482	662	267	482	69	2			
54	2y	73	Total	C	N	O	P	S	0	0	0
			1565	698	283	510	73	1			

- Molecule 55 is a RNA chain called P-site Aminoacyl-tRNA fMet-tRNA^{met}.

Mol	Chain	Residues	Atoms						ZeroOcc	AltConf	Trace
55	1x	76	Total	C	N	O	P	S	0	0	0
			1635	731	296	530	76	2			
55	2x	76	Total	C	N	O	P	S	0	0	0
			1635	731	296	530	76	2			

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

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
56	1A	1097	Total	Mg	0	0
			1097	1097		
56	1B	36	Total	Mg	0	0
			36	36		
56	1D	11	Total	Mg	0	0
			11	11		
56	1E	18	Total	Mg	0	0
			18	18		
56	1F	13	Total	Mg	0	0
			13	13		
56	1G	4	Total	Mg	0	0
			4	4		
56	1I	1	Total	Mg	0	0
			1	1		

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
56	1N	6	Total 6	Mg 6	0	0
56	1O	6	Total 6	Mg 6	0	0
56	1P	5	Total 5	Mg 5	0	0
56	1Q	7	Total 7	Mg 7	0	0
56	1R	8	Total 8	Mg 8	0	0
56	1S	3	Total 3	Mg 3	0	0
56	1T	2	Total 2	Mg 2	0	0
56	1U	10	Total 10	Mg 10	0	0
56	1V	7	Total 7	Mg 7	0	0
56	1W	4	Total 4	Mg 4	0	0
56	1X	7	Total 7	Mg 7	0	0
56	1Y	3	Total 3	Mg 3	0	0
56	1Z	3	Total 3	Mg 3	0	0
56	10	9	Total 9	Mg 9	0	0
56	11	5	Total 5	Mg 5	0	0
56	12	2	Total 2	Mg 2	0	0
56	13	4	Total 4	Mg 4	0	0
56	14	1	Total 1	Mg 1	0	0
56	15	8	Total 8	Mg 8	0	0
56	16	1	Total 1	Mg 1	0	0
56	17	5	Total 5	Mg 5	0	0

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
56	18	6	Total 6	Mg 6	0	0
56	19	1	Total 1	Mg 1	0	0
56	1a	196	Total 196	Mg 196	0	0
56	1b	1	Total 1	Mg 1	0	0
56	1d	1	Total 1	Mg 1	0	0
56	1e	1	Total 1	Mg 1	0	0
56	1f	1	Total 1	Mg 1	0	0
56	1l	2	Total 2	Mg 2	0	0
56	1m	2	Total 2	Mg 2	0	0
56	1n	2	Total 2	Mg 2	0	0
56	1r	1	Total 1	Mg 1	0	0
56	1t	1	Total 1	Mg 1	0	0
56	1w	5	Total 5	Mg 5	0	0
56	1x	14	Total 14	Mg 14	0	0
56	1y	1	Total 1	Mg 1	0	0
56	2A	808	Total 808	Mg 808	0	0
56	2B	15	Total 15	Mg 15	0	0
56	2D	6	Total 6	Mg 6	0	0
56	2E	8	Total 8	Mg 8	0	0
56	2F	7	Total 7	Mg 7	0	0
56	2G	1	Total 1	Mg 1	0	0

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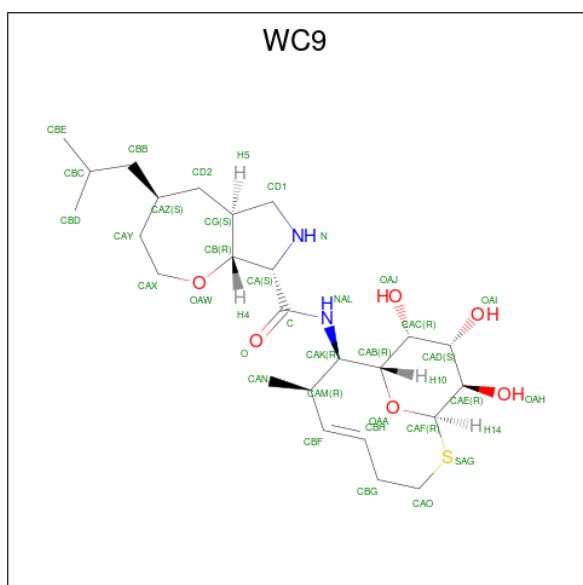
Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
56	2N	1	Total 1	Mg 1	0	0
56	2O	1	Total 1	Mg 1	0	0
56	2P	1	Total 1	Mg 1	0	0
56	2Q	3	Total 3	Mg 3	0	0
56	2R	3	Total 3	Mg 3	0	0
56	2T	4	Total 4	Mg 4	0	0
56	2U	1	Total 1	Mg 1	0	0
56	2V	2	Total 2	Mg 2	0	0
56	2W	5	Total 5	Mg 5	0	0
56	2X	2	Total 2	Mg 2	0	0
56	20	4	Total 4	Mg 4	0	0
56	21	1	Total 1	Mg 1	0	0
56	23	1	Total 1	Mg 1	0	0
56	25	4	Total 4	Mg 4	0	0
56	27	3	Total 3	Mg 3	0	0
56	28	3	Total 3	Mg 3	0	0
56	2a	230	Total 230	Mg 230	0	0
56	2d	2	Total 2	Mg 2	0	0
56	2e	1	Total 1	Mg 1	0	0
56	2f	2	Total 2	Mg 2	0	0
56	2j	1	Total 1	Mg 1	0	0

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
56	2l	4	Total	Mg	0	0
			4	4		
56	2q	2	Total	Mg	0	0
			2	2		
56	2r	1	Total	Mg	0	0
			1	1		
56	2t	1	Total	Mg	0	0
			1	1		
56	2v	3	Total	Mg	0	0
			3	3		
56	2w	4	Total	Mg	0	0
			4	4		
56	2x	5	Total	Mg	0	0
			5	5		
56	2y	3	Total	Mg	0	0
			3	3		

- Molecule 57 is (4S,5aS,8S,8aR)-4-(2-methylpropyl)-N-[(1R,5Z,7R,8R,9R,10R,11S,12R)-10,11,12-trihydroxy-7-methyl-13-oxa-2-thiabicyclo[7.3.1]tridec-5-en-8-yl]octahydro-2H-oxepino[2,3-c]pyrrole-8-carboxamide (non-preferred name) (CCD ID: WC9) (formula: C₂₅H₄₂N₂O₆S) (labeled as "Ligand of Interest" by depositor).

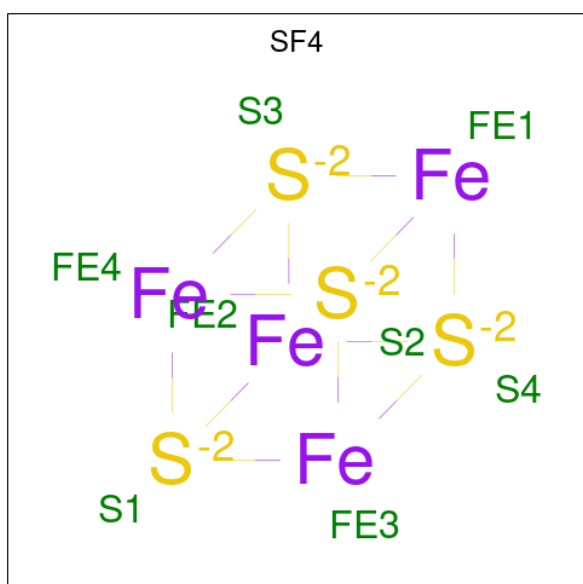


Mol	Chain	Residues	Atoms					ZeroOcc	AltConf
57	1A	1	Total	C	N	O	S	0	0
			34	25	2	6	1		
57	2A	1	Total	C	N	O	S	0	0
			34	25	2	6	1		

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

Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
58	1Y	1	Total Zn 1 1	0	0
58	14	1	Total Zn 1 1	0	0
58	15	1	Total Zn 1 1	0	0
58	16	1	Total Zn 1 1	0	0
58	19	1	Total Zn 1 1	0	0
58	1n	1	Total Zn 1 1	0	0
58	2Y	1	Total Zn 1 1	0	0
58	24	1	Total Zn 1 1	0	0
58	25	1	Total Zn 1 1	0	0
58	26	1	Total Zn 1 1	0	0
58	29	1	Total Zn 1 1	0	0
58	2n	1	Total Zn 1 1	0	0

- Molecule 59 is IRON/SULFUR CLUSTER (CCD ID: SF4) (formula: Fe₄S₄).



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

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

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

- Molecule 61 is water.

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
61	1A	1899	Total	O	0	0
			1899	1899		
61	1B	59	Total	O	0	0
			59	59		
61	1D	27	Total	O	0	0
			27	27		
61	1E	26	Total	O	0	0
			26	26		
61	1F	16	Total	O	0	0
			16	16		
61	1G	1	Total	O	0	0
			1	1		
61	1H	2	Total	O	0	0
			2	2		
61	1N	6	Total	O	0	0
			6	6		
61	1O	5	Total	O	0	0
			5	5		
61	1P	22	Total	O	0	0
			22	22		
61	1Q	8	Total	O	0	0
			8	8		
61	1R	9	Total	O	0	0
			9	9		
61	1S	3	Total	O	0	0
			3	3		
61	1T	8	Total	O	0	0
			8	8		

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
61	1U	14	Total 14	O 14	0	0
61	1V	8	Total 8	O 8	0	0
61	1W	8	Total 8	O 8	0	0
61	1X	4	Total 4	O 4	0	0
61	1Y	3	Total 3	O 3	0	0
61	1Z	1	Total 1	O 1	0	0
61	10	9	Total 9	O 9	0	0
61	11	8	Total 8	O 8	0	0
61	12	3	Total 3	O 3	0	0
61	13	3	Total 3	O 3	0	0
61	14	1	Total 1	O 1	0	0
61	15	4	Total 4	O 4	0	0
61	16	2	Total 2	O 2	0	0
61	17	12	Total 12	O 12	0	0
61	18	9	Total 9	O 9	0	0
61	1a	263	Total 263	O 263	0	0
61	1b	1	Total 1	O 1	0	0
61	1d	2	Total 2	O 2	0	0
61	1f	1	Total 1	O 1	0	0
61	1g	1	Total 1	O 1	0	0
61	1l	3	Total 3	O 3	0	0

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
61	1n	1	Total 1	O 1	0	0
61	1q	2	Total 2	O 2	0	0
61	1v	5	Total 5	O 5	0	0
61	1w	7	Total 7	O 7	0	0
61	1x	10	Total 10	O 10	0	0
61	1y	1	Total 1	O 1	0	0
61	2A	974	Total 974	O 974	0	0
61	2B	14	Total 14	O 14	0	0
61	2D	19	Total 19	O 19	0	0
61	2E	11	Total 11	O 11	0	0
61	2F	10	Total 10	O 10	0	0
61	2N	1	Total 1	O 1	0	0
61	2O	2	Total 2	O 2	0	0
61	2P	9	Total 9	O 9	0	0
61	2Q	1	Total 1	O 1	0	0
61	2R	4	Total 4	O 4	0	0
61	2T	4	Total 4	O 4	0	0
61	2U	2	Total 2	O 2	0	0
61	2X	2	Total 2	O 2	0	0
61	20	4	Total 4	O 4	0	0
61	21	7	Total 7	O 7	0	0

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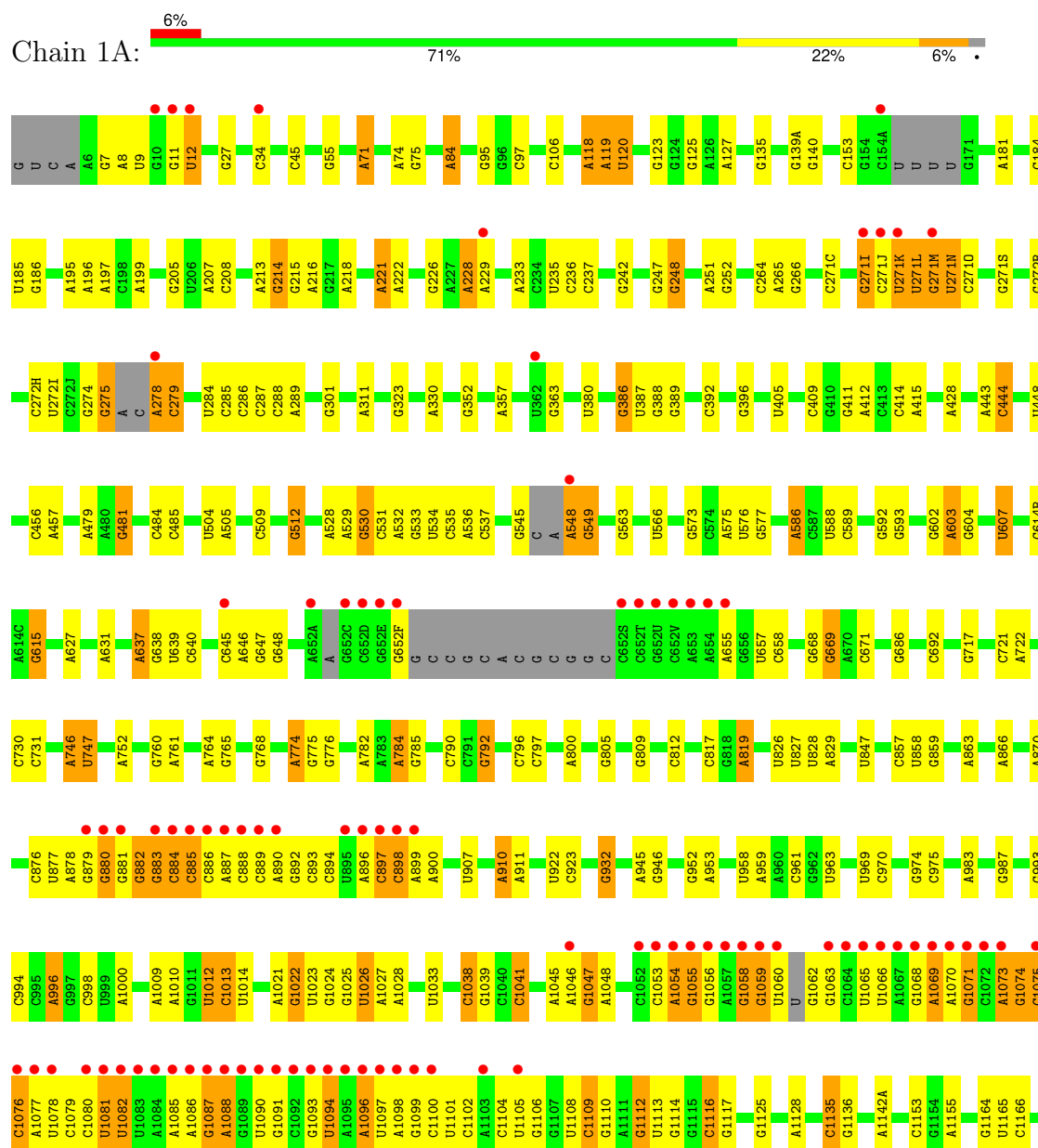
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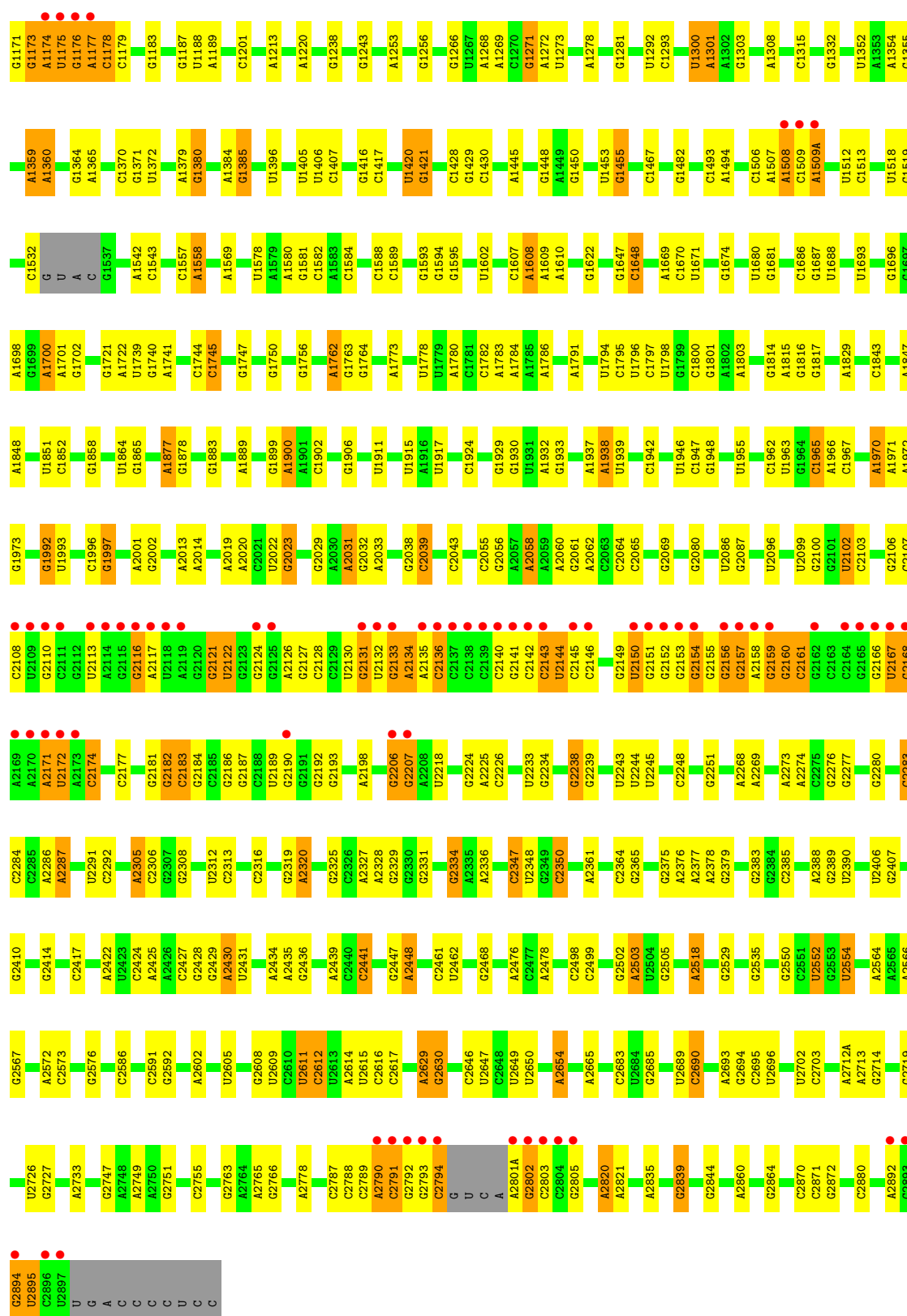
Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
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61	27	4	Total 4	O 4	0	0
61	28	3	Total 3	O 3	0	0
61	29	1	Total 1	O 1	0	0
61	2a	184	Total 184	O 184	0	0
61	2e	1	Total 1	O 1	0	0
61	2g	1	Total 1	O 1	0	0
61	2j	3	Total 3	O 3	0	0
61	2l	3	Total 3	O 3	0	0
61	2t	1	Total 1	O 1	0	0
61	2v	1	Total 1	O 1	0	0
61	2x	4	Total 4	O 4	0	0
61	2y	2	Total 2	O 2	0	0

3 Residue-property plots [i](#)

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

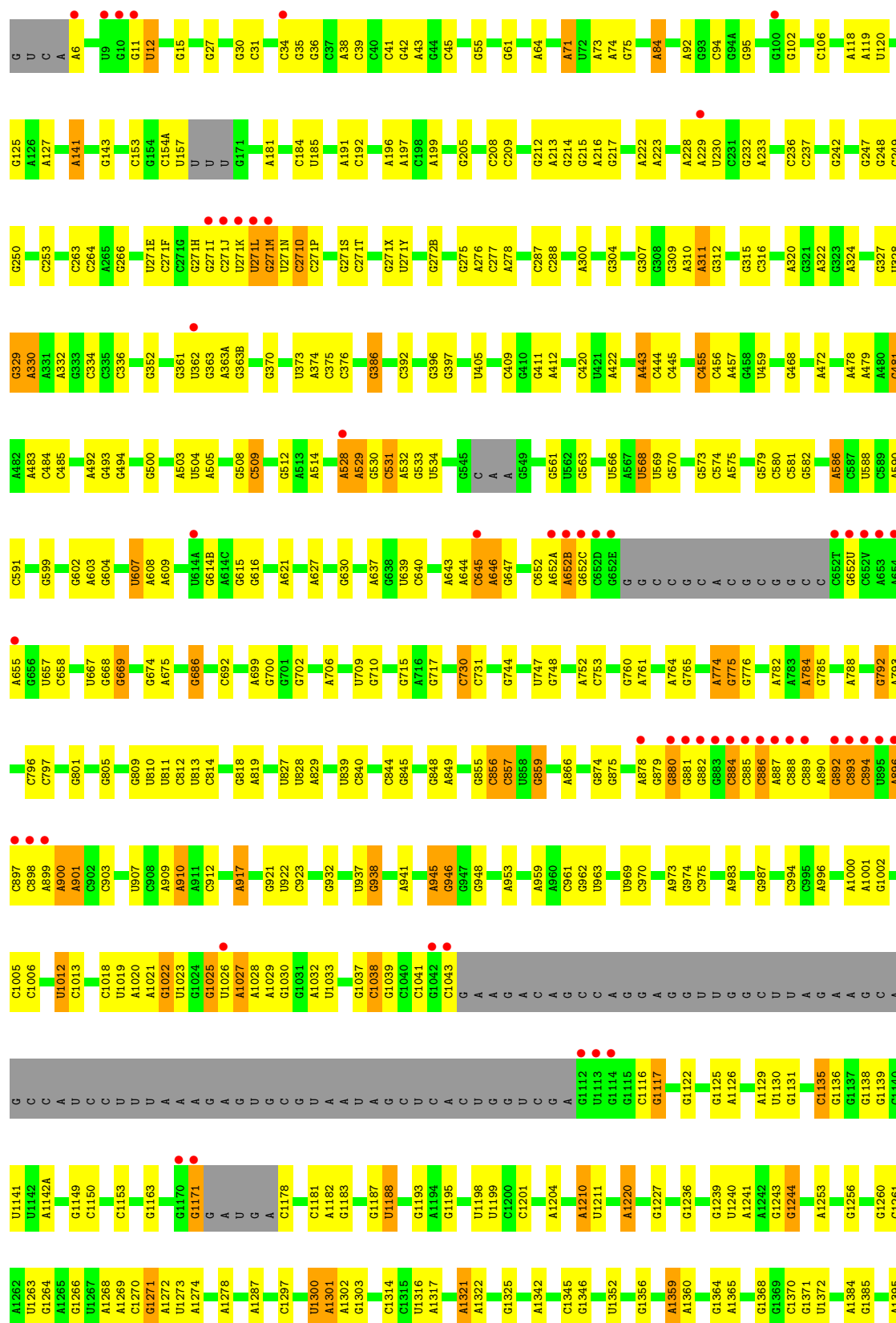
• Molecule 1: 23S Ribosomal RNA

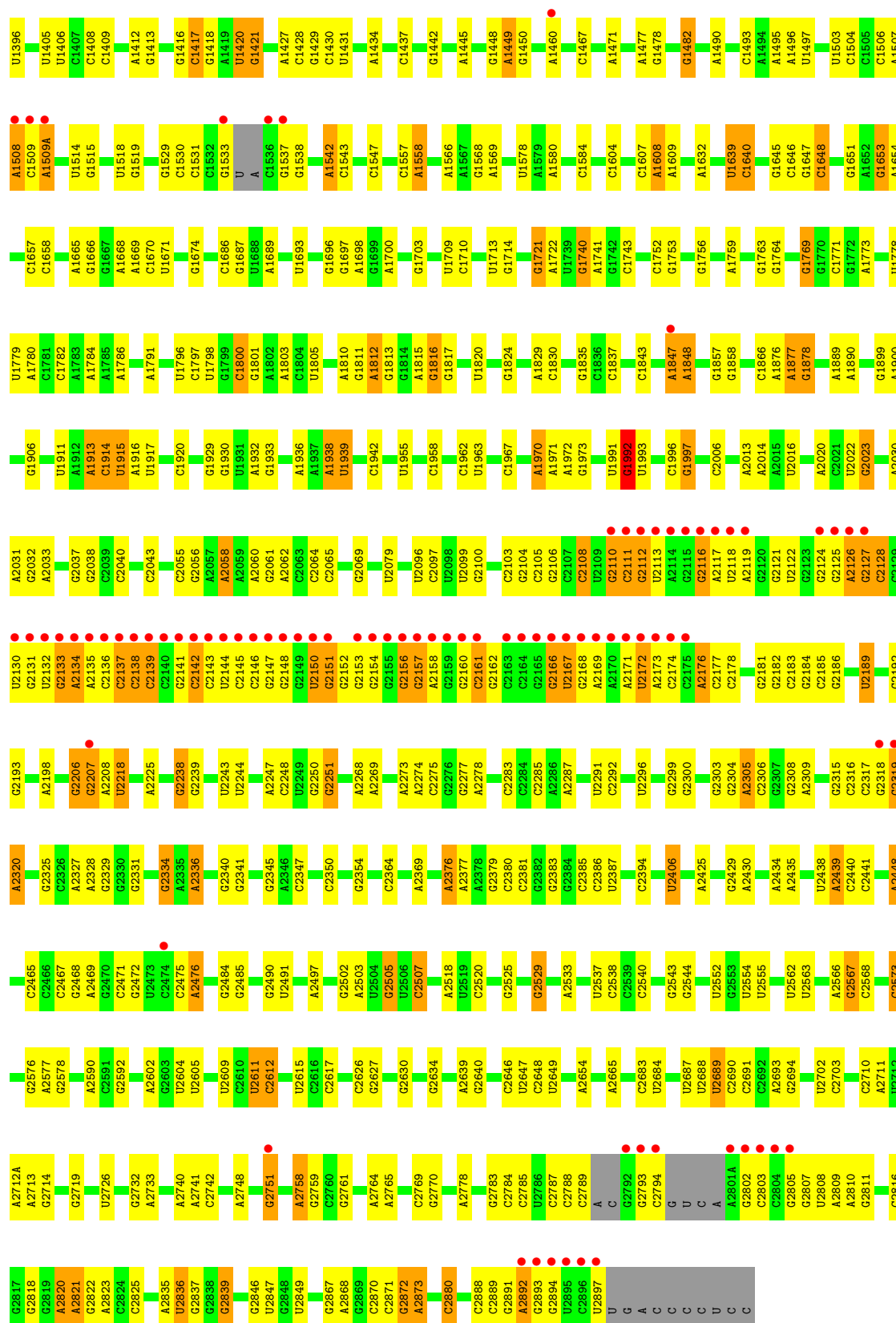




• Molecule 1: 23S Ribosomal RNA





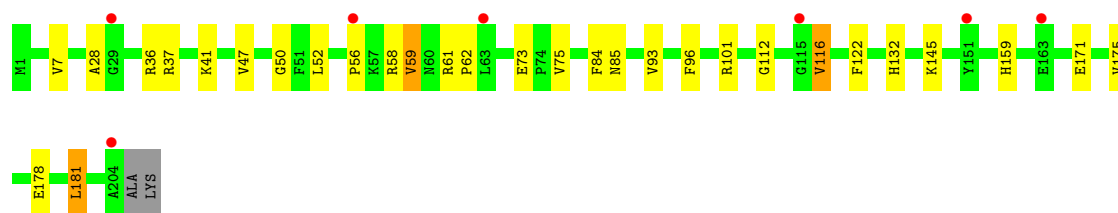




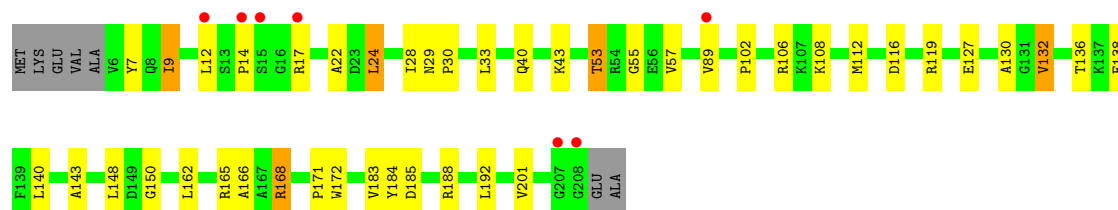
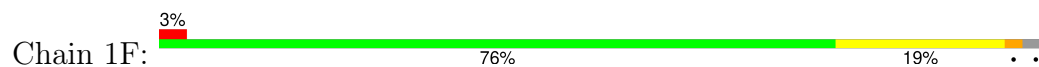
C95	G103	A105	G106	G107	G108	G109	G110	G111	G116	G117	G118	G119	A120	U	U1	C2	C3	C4	G7	U8	G9	A13	U14	C17	G18	G19	C20	G24	A25	C31	U34	U40	U41	C42	C43	C44	A48	C49	G50	G51	A52	A53	G54	G55	G56	A57	A58	A59	G63	A66	A73	U74	G75	G76	U77	G83	C84	G85	C88	G94
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Category	Item	Value
Top 10	ME1	100
	A2	95
	V3	90
	P8	85
	S12	80
	R13	75
	R14	70
	D20	65
	K26	60
	T27	55
Next 10	E28	50
	S32	45
	K35	40
	P36	35
	L37	30
	K38	25
	V51	20
	R54	15
	W70	10
	D71	5
Bottom 10	A77	0
	N87	-5
	R88	-10
	S89	-15
	Y97	-20
	R103	-25
	T106	-30
	A107	-35
	P108	-40
	V142	-45
Further Down	H143	-50
	A144	-55
	V145	-60
	E146	-65
	L147	-70
	L155	-75
	V173	-80
	Y190	-85
	T204	-90
	W205	-95
Bottom 10 (Continued)	L206	-100
	G207	-105
	K208	-110
	R211	-115
	V229	-120
	P232	-125
	E237	-130
	R242	-135
	G243	-140
	R244	-145
Bottom 10 (Continued)	P245	-150
	P246	-155
	Q253	-160
	T259	-165
	L270	-170
	R273	-175
	R274	-180
	K275	-185
	K276	-190
		-195

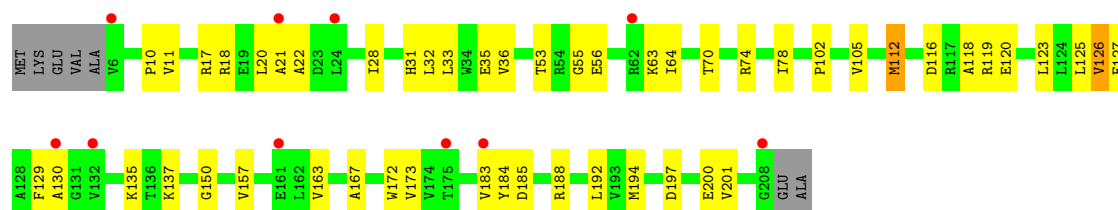
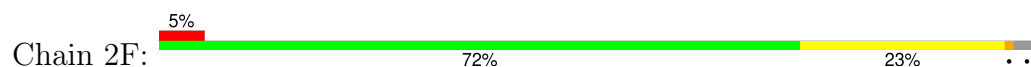
WORLDWIDE
PDB
PROTEIN DATA BANK



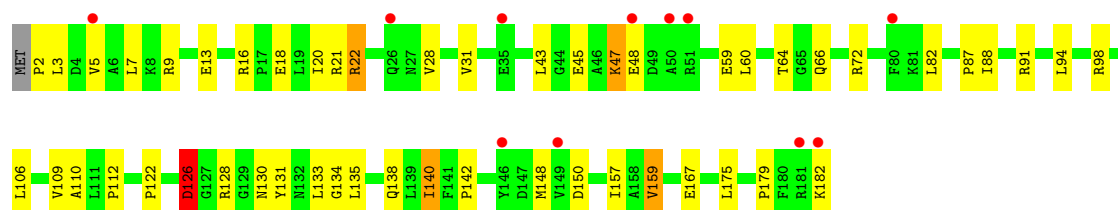
• Molecule 5: 50S ribosomal protein L4



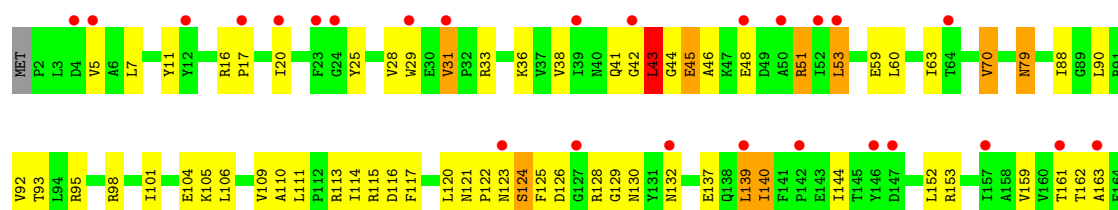
• Molecule 5: 50S ribosomal protein L4



• Molecule 6: 50S ribosomal protein L5

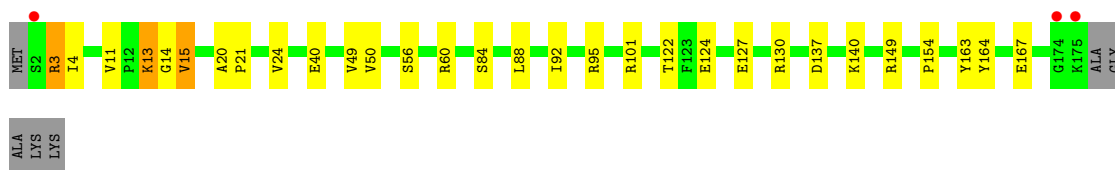
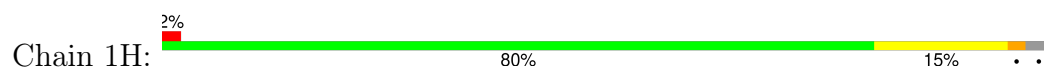


• Molecule 6: 50S ribosomal protein L5

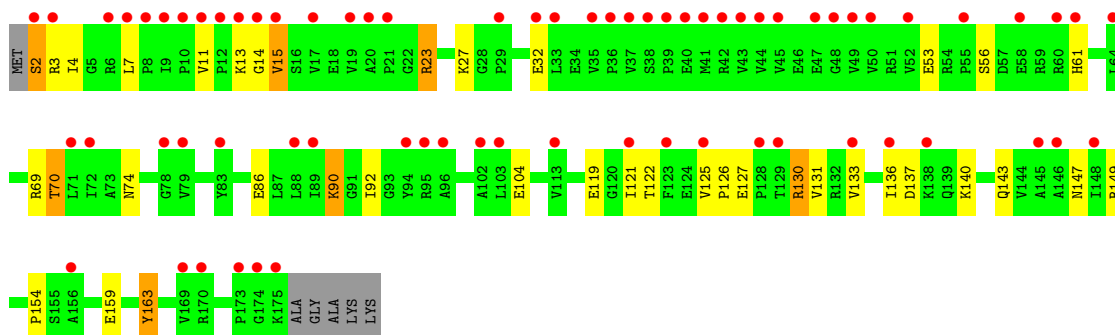
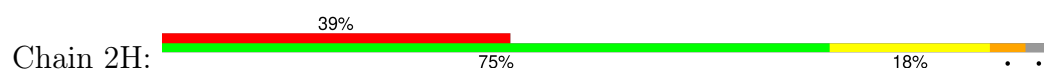




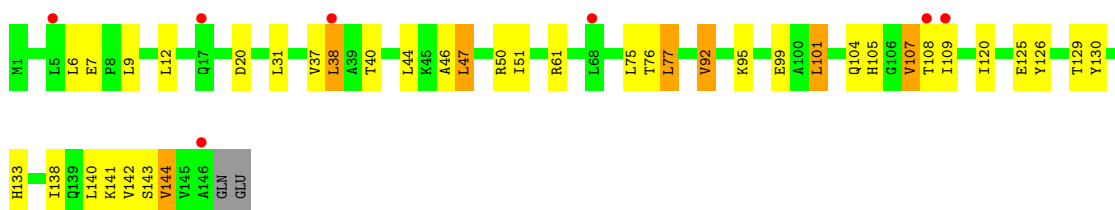
- Molecule 7: 50S ribosomal protein L6



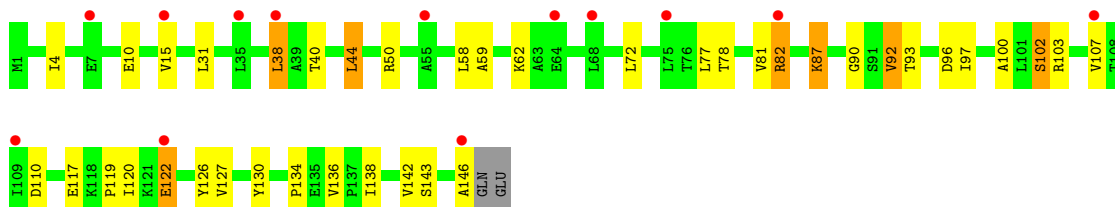
- Molecule 7: 50S ribosomal protein L6



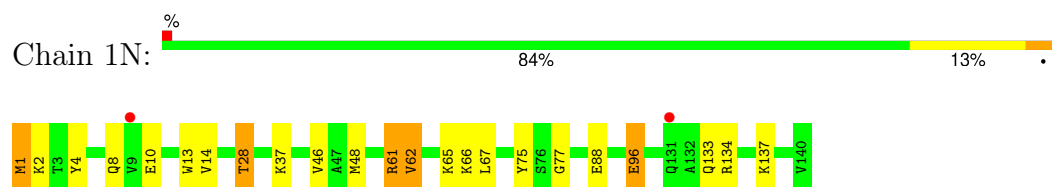
- Molecule 8: 50S ribosomal protein L9



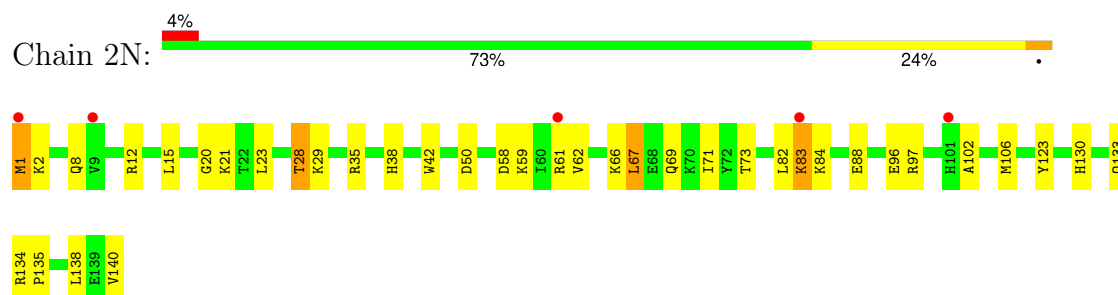
- Molecule 8: 50S ribosomal protein L9



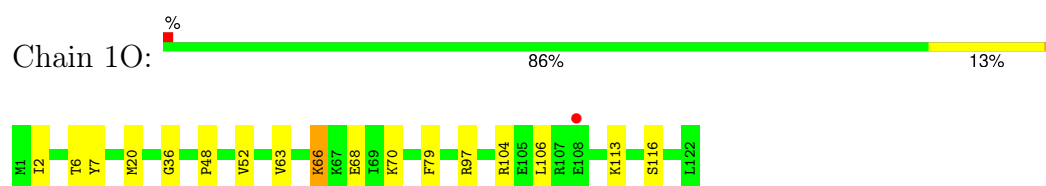
- Molecule 9: 50S ribosomal protein L13



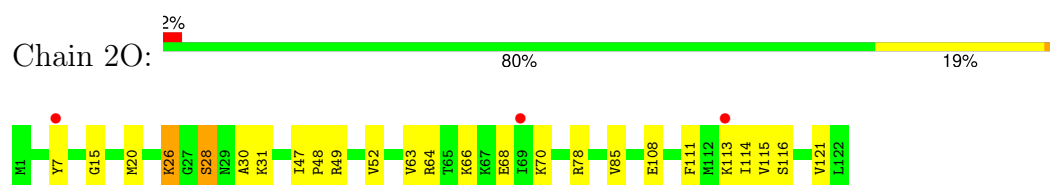
- Molecule 9: 50S ribosomal protein L13



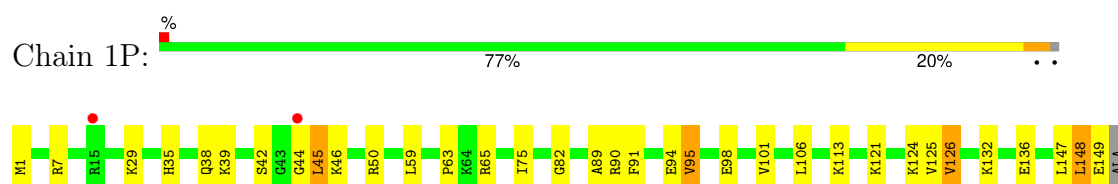
- Molecule 10: 50S ribosomal protein L14



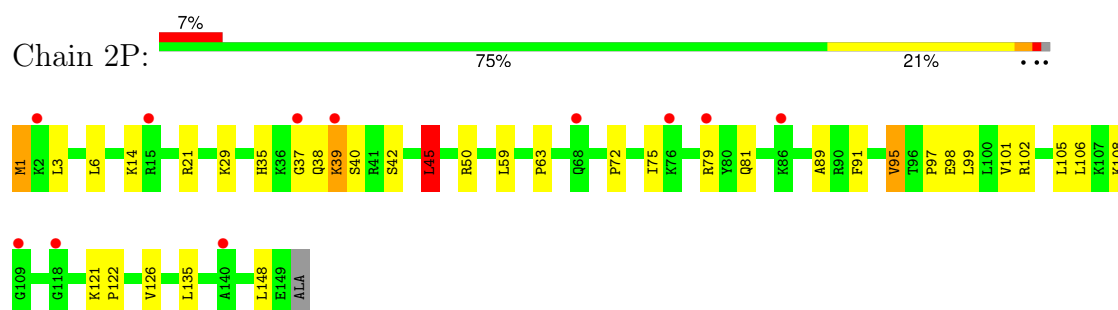
- Molecule 10: 50S ribosomal protein L14



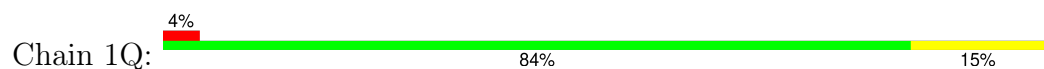
- Molecule 11: 50S ribosomal protein L15



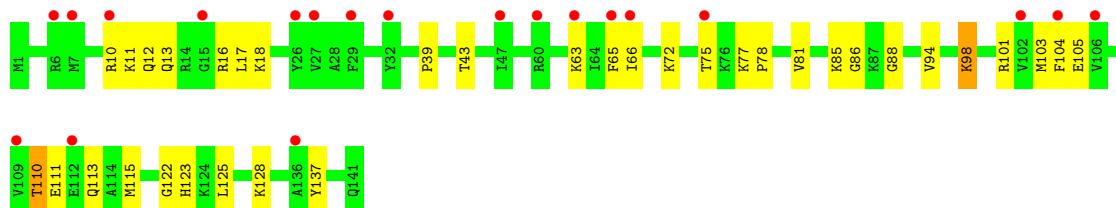
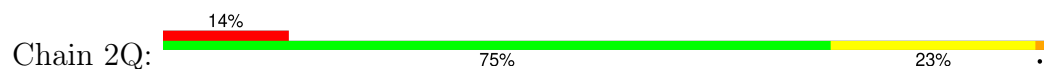
- Molecule 11: 50S ribosomal protein L15



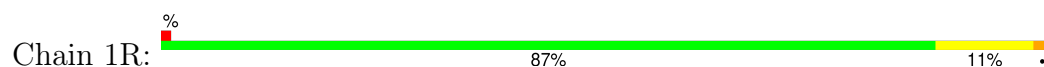
- Molecule 12: 50S ribosomal protein L16



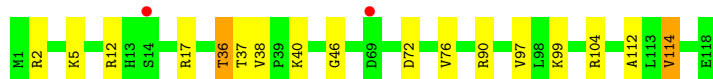
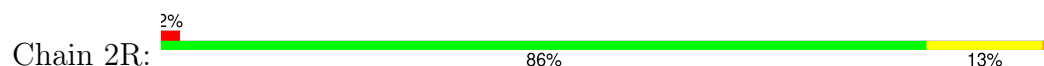
- Molecule 12: 50S ribosomal protein L16



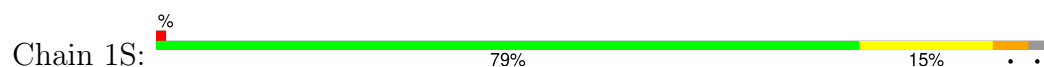
- Molecule 13: 50S ribosomal protein L17



- Molecule 13: 50S ribosomal protein L17



- Molecule 14: 50S ribosomal protein L18

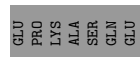
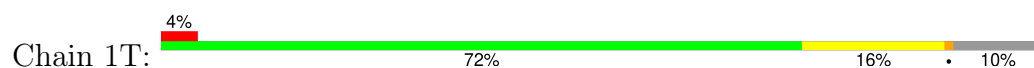


- Molecule 14: 50S ribosomal protein L18

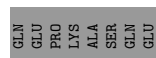
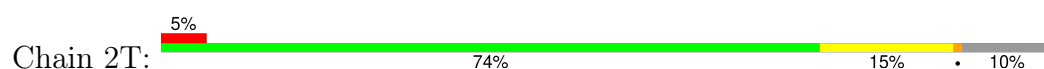




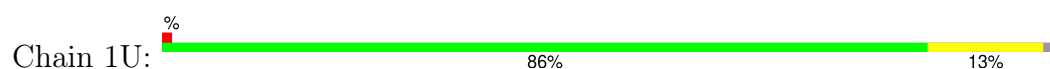
- Molecule 15: 50S ribosomal protein L19



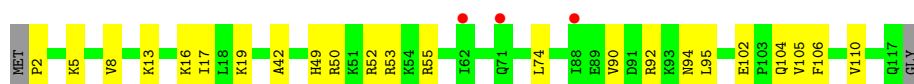
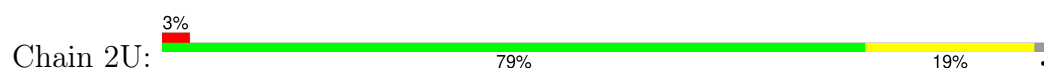
- Molecule 15: 50S ribosomal protein L19



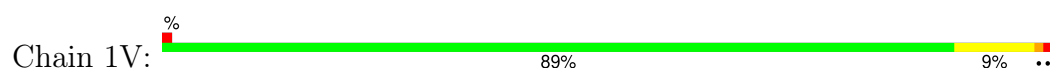
- Molecule 16: 50S ribosomal protein L20



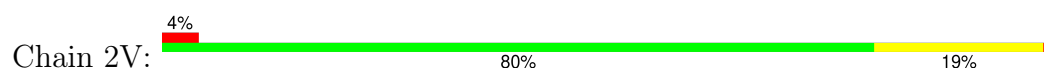
- Molecule 16: 50S ribosomal protein L20



- Molecule 17: 50S ribosomal protein L21

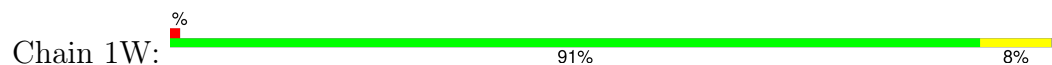


- Molecule 17: 50S ribosomal protein L21

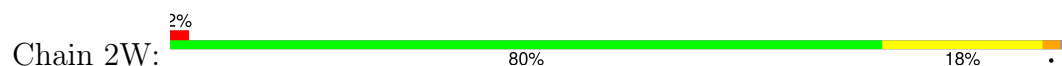




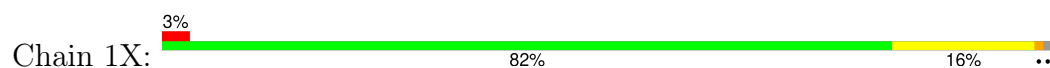
- Molecule 18: 50S ribosomal protein L22



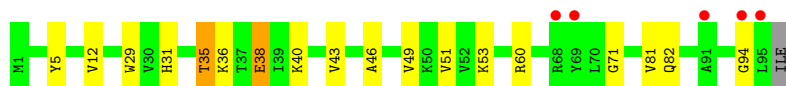
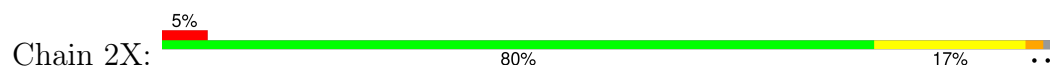
- Molecule 18: 50S ribosomal protein L22



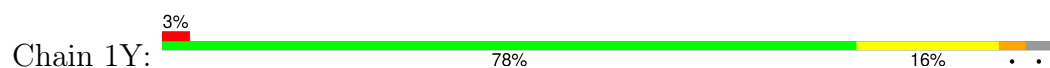
- Molecule 19: 50S ribosomal protein L23



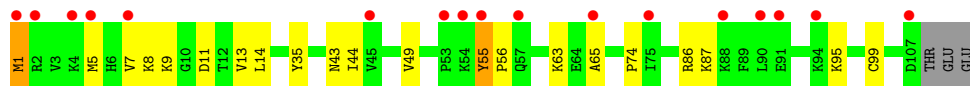
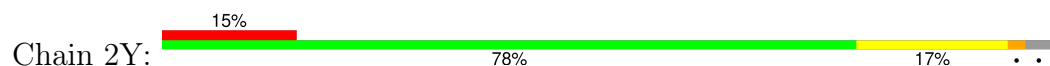
- Molecule 19: 50S ribosomal protein L23



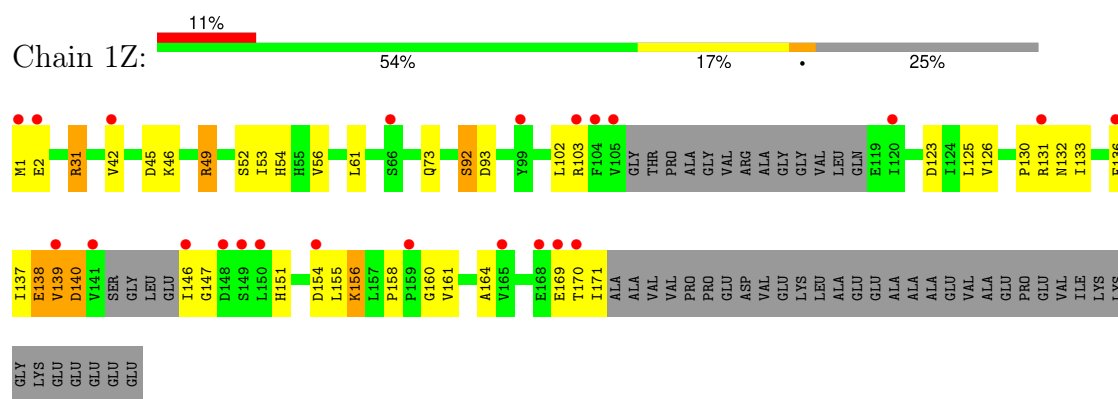
- Molecule 20: 50S ribosomal protein L24



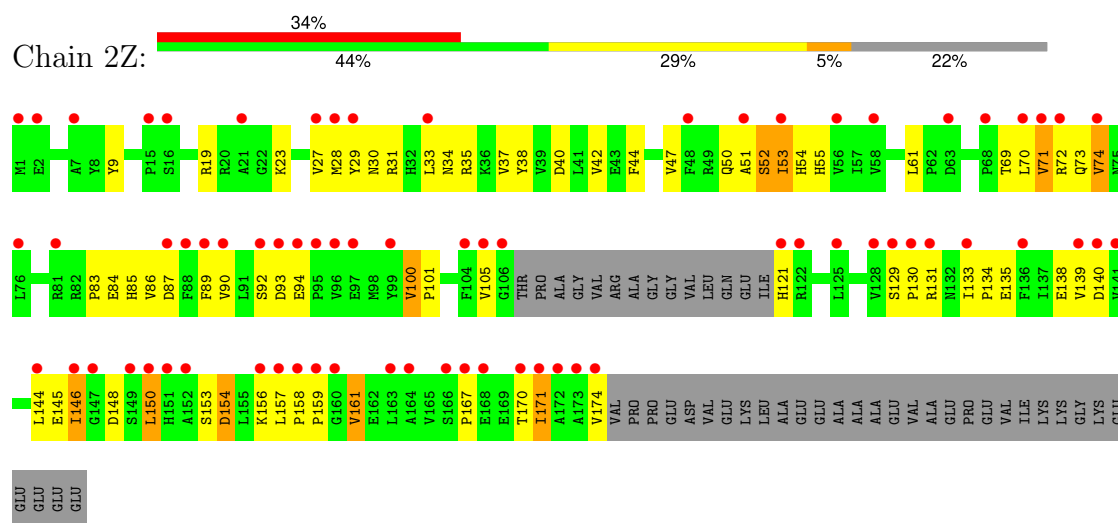
- Molecule 20: 50S ribosomal protein L24



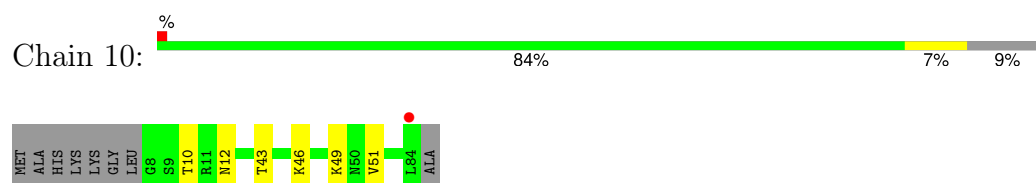
- Molecule 21: 50S ribosomal protein L25



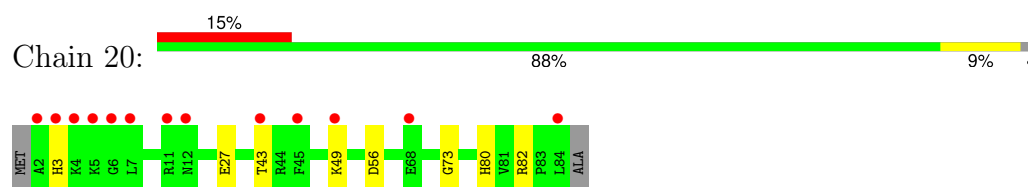
- Molecule 21: 50S ribosomal protein L25



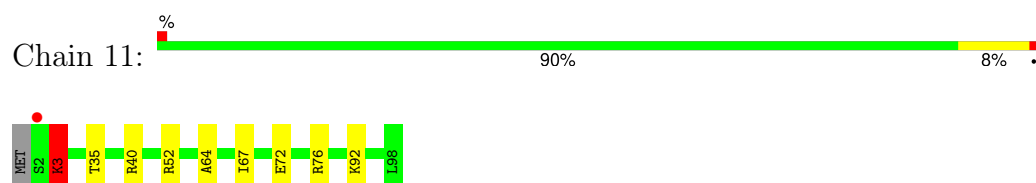
- Molecule 22: 50S ribosomal protein L27



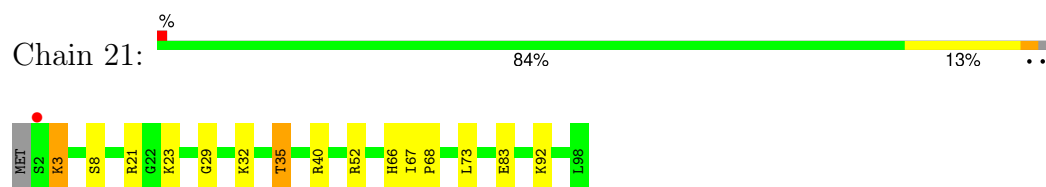
- Molecule 22: 50S ribosomal protein L27



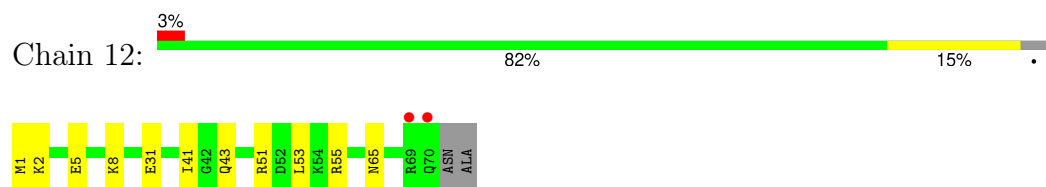
- Molecule 23: 50S ribosomal protein L28



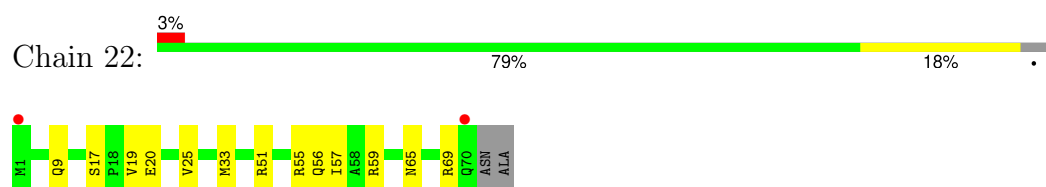
• Molecule 23: 50S ribosomal protein L28



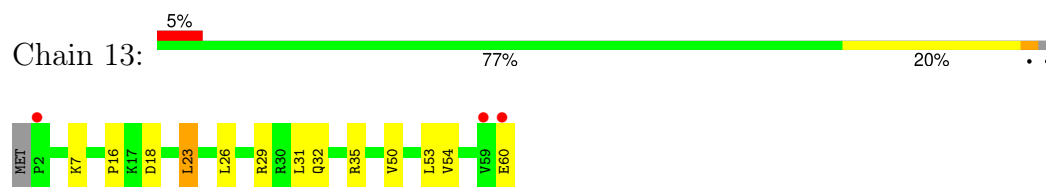
• Molecule 24: 50S ribosomal protein L29



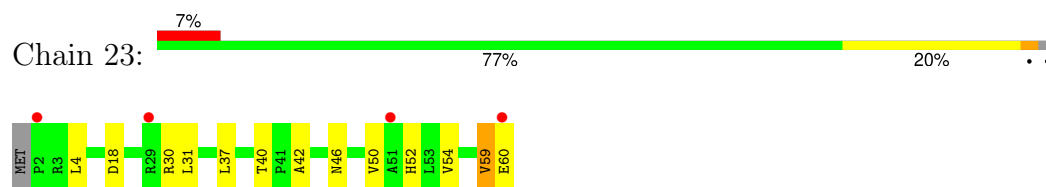
• Molecule 24: 50S ribosomal protein L29



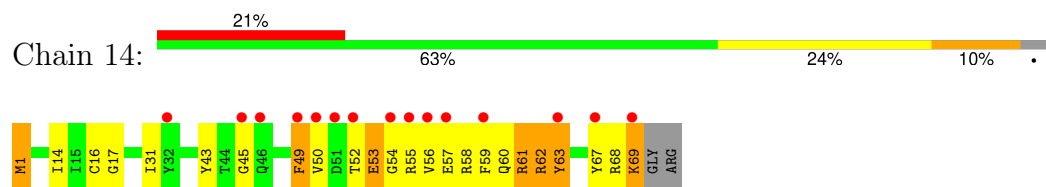
• Molecule 25: 50S ribosomal protein L30



• Molecule 25: 50S ribosomal protein L30



• Molecule 26: 50S ribosomal protein L31

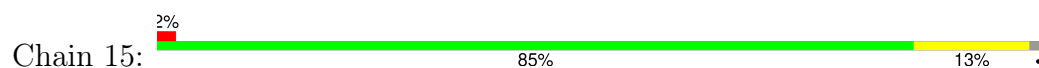


• Molecule 26: 50S ribosomal protein L31

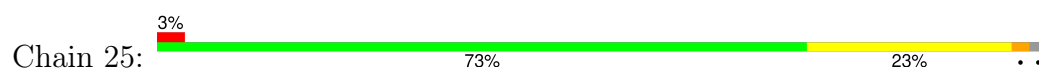




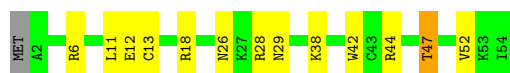
- Molecule 27: 50S ribosomal protein L32



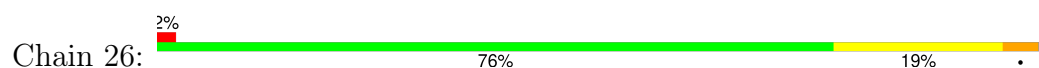
- Molecule 27: 50S ribosomal protein L32



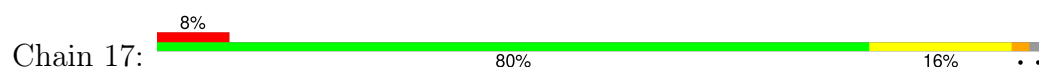
- Molecule 28: 50S ribosomal protein L33



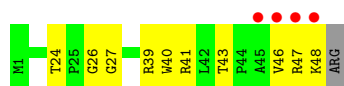
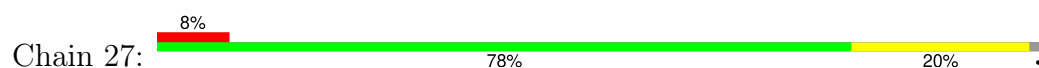
- Molecule 28: 50S ribosomal protein L33



- Molecule 29: 50S ribosomal protein L34



- Molecule 29: 50S ribosomal protein L34



- Molecule 30: 50S ribosomal protein L35

Chain 18:  85% 14%



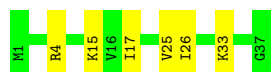
- Molecule 30: 50S ribosomal protein L35

Chain 28:  80% 18%



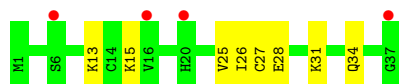
- Molecule 31: 50S ribosomal protein L36

Chain 19:  84% 16%



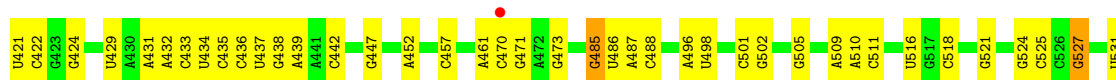
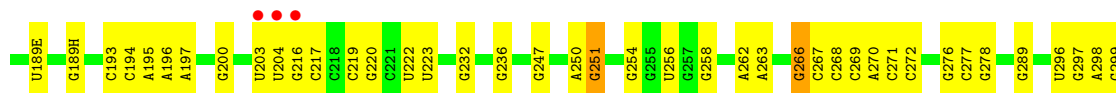
- Molecule 31: 50S ribosomal protein L36

Chain 29:  11% 78% 22%



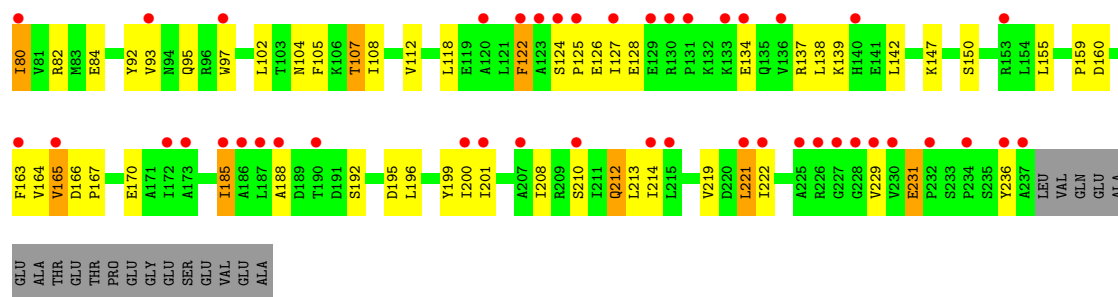
- Molecule 32: 16S Ribosomal RNA

Chain 1a:  4% 63% 31% 5%

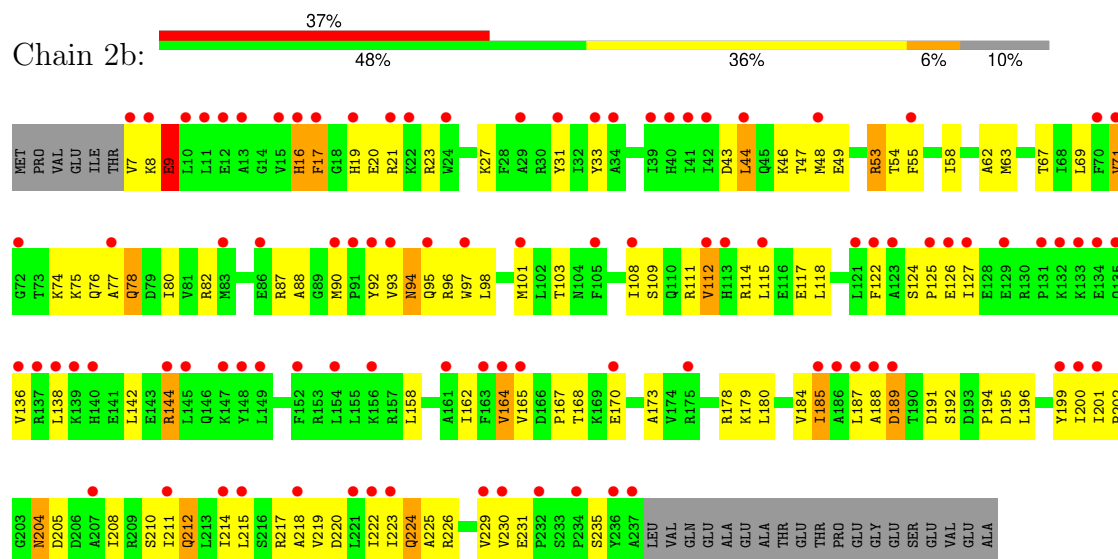




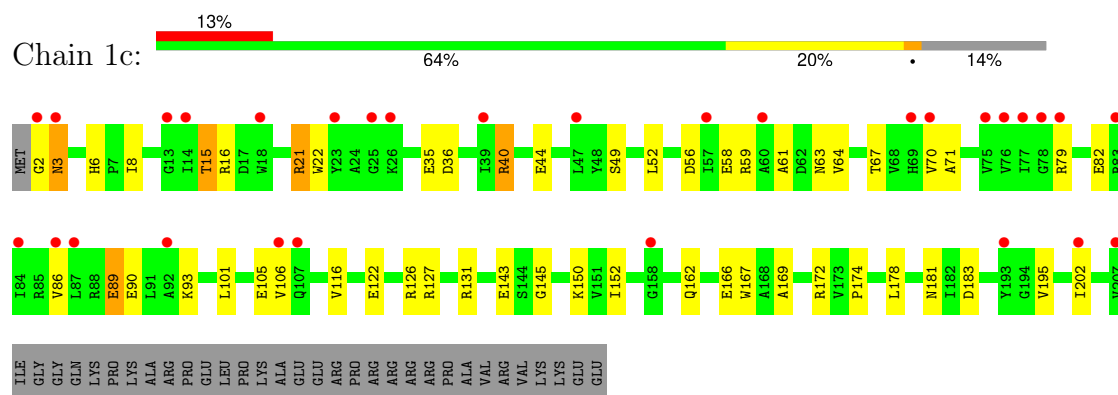
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	G354	U203	G106	G	G6	A16	A17	A18	A19	A20	A21	A22	A23	A24	A25	A26	A27	A28	A29	A30	A31	A33	A34	A35	A36	A37	A38	A39	A40	A41	A42	A43	A44	A45	A46	A47	A48	A49	A50	A51	A52	A53	A54	A55	A56	A57	A58	A59	A60	A61	A62	A63	A64	A65	A66	A67	A68	A69	A70	A71	A72	A73	A74	A75	A76	A77	A78	A79	A80	A81	A82	A83	A84	A85	A86	A87	A88	A89	A90	A91	A92	A93	A94	A95	A96	A97	A98	A99	A100
	U367	G216	A109	G	G7	A130	A131	A132	A133	A134	A135	A136	A137	A138	A139	A140	A141	A142	A143	A144	A145	A146	A147	A148	A149	A150	A151	A152	A153	A154	A155	A156	A157	A158	A159	A160	A161	A162	A163	A164	A165	A166	A167	A168	A169	A170	A171	A172	A173	A174	A175	A176	A177	A178	A179	A180	A181	A182	A183	A184	A185	A186	A187	A188	A189	A190	A191	A192	A193	A194	A195	A196	A197	A198	A199	A200													
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	A373	U223	A117	G	G9	G129B	G130	G131	G132	G133	G134	G135	G136	G137	G138	G139	G140	G141	G142	G143	G144	G145	G146	G147	G148	G149	G150	G151	G152	G153	G154	G155	G156	G157	G158	G159	G160	G161	G162	G163	G164	G165	G166	G167	G168	G169	G170	G171	G172	G173	G174	G175	G176	G177	G178	G179	G180	G181	G182	G183	G184	G185	G186	G187	G188	G189	G190	G191	G192	G193	G194	G195	G196	G197	G198	G199	G200												
	G376	G227	A121	G	G10	G129C	G130	G131	G132	G133	G134	G135	G136	G137	G138	G139	G140	G141	G142	G143	G144	G145	G146	G147	G148	G149	G150	G151	G152	G153	G154	G155	G156	G157	G158	G159	G160	G161	G162	G163	G164	G165	G166	G167	G168	G169	G170	G171	G172	G173	G174	G175	G176	G177	G178	G179	G180	G181	G182	G183	G184	G185	G186	G187	G188	G189	G190	G191	G192	G193	G194	G195	G196	G197	G198	G199	G200												
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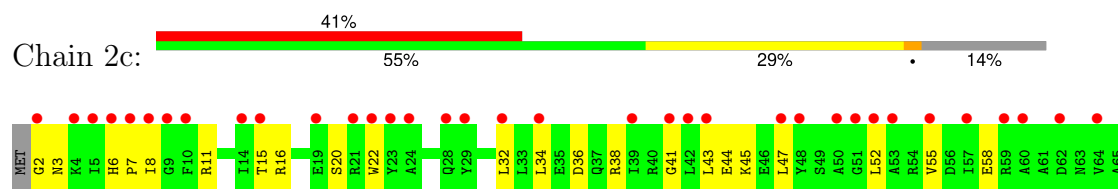
• Molecule 33: 30S ribosomal protein S2

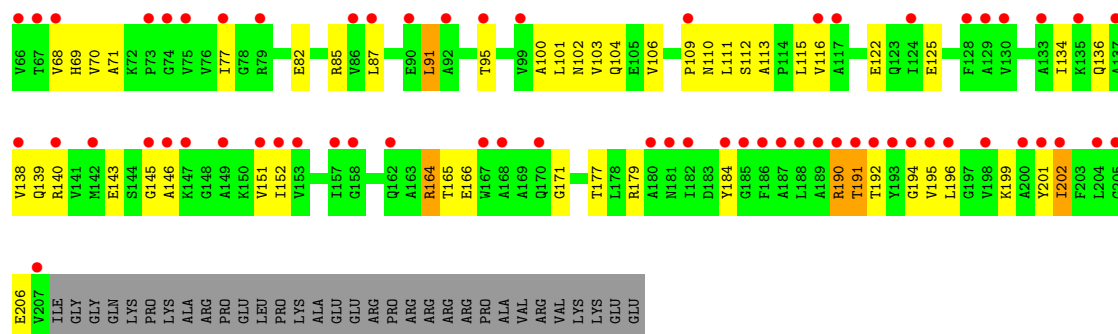


• Molecule 34: 30S ribosomal protein S3

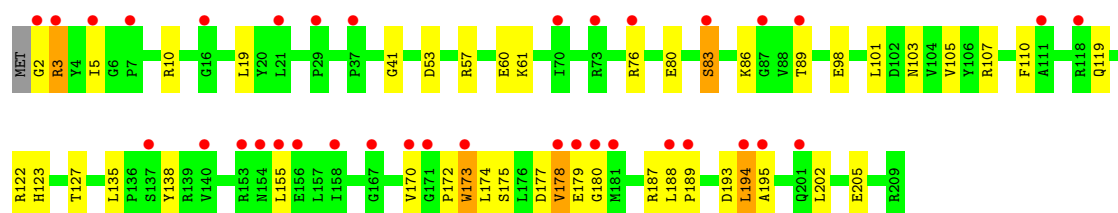
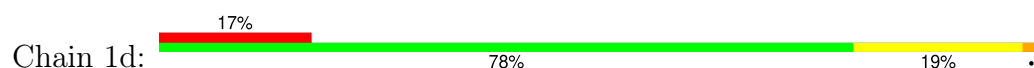


• Molecule 34: 30S ribosomal protein S3

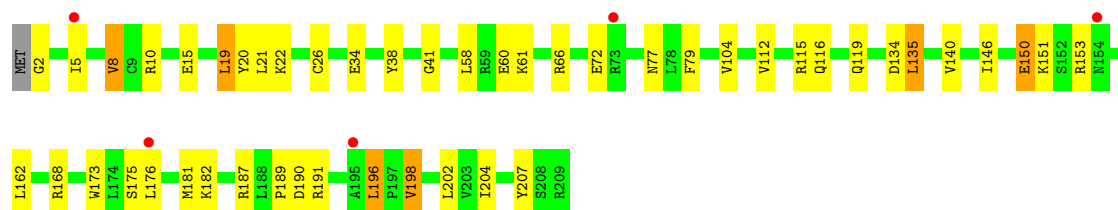
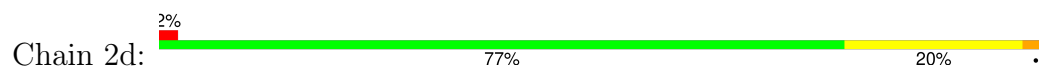




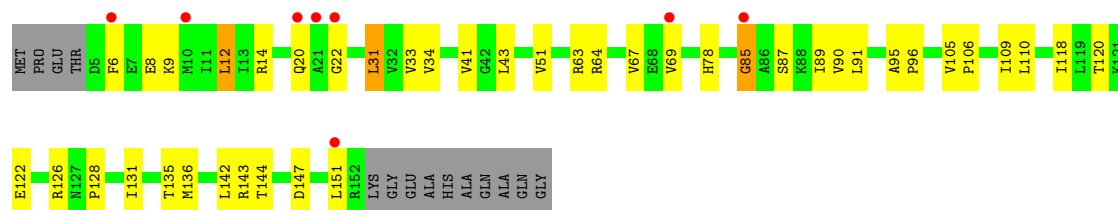
• Molecule 35: 30S ribosomal protein S4



• Molecule 35: 30S ribosomal protein S4



• Molecule 36: 30S ribosomal protein S5

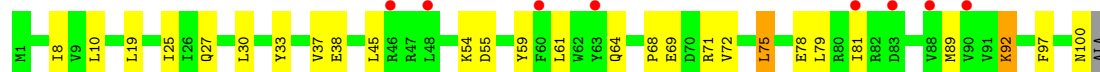


• Molecule 36: 30S ribosomal protein S5

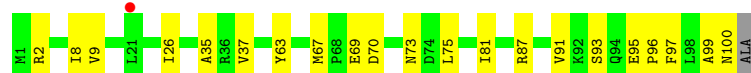
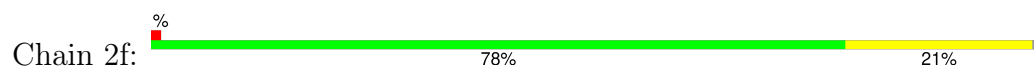




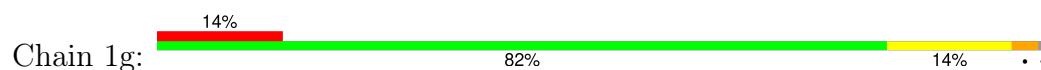
- Molecule 37: 30S ribosomal protein S6



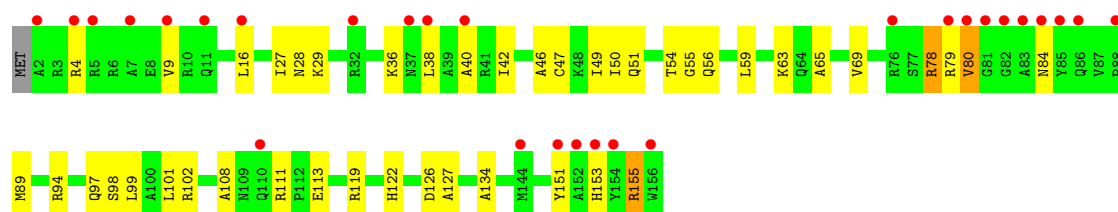
- Molecule 37: 30S ribosomal protein S6



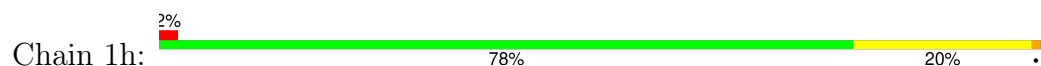
- Molecule 38: 30S ribosomal protein S7



- Molecule 38: 30S ribosomal protein S7

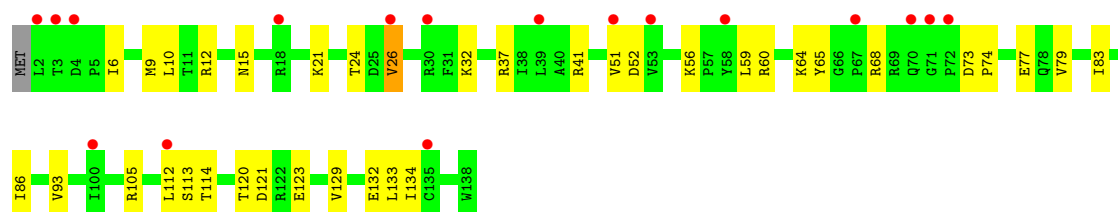


- Molecule 39: 30S ribosomal protein S8



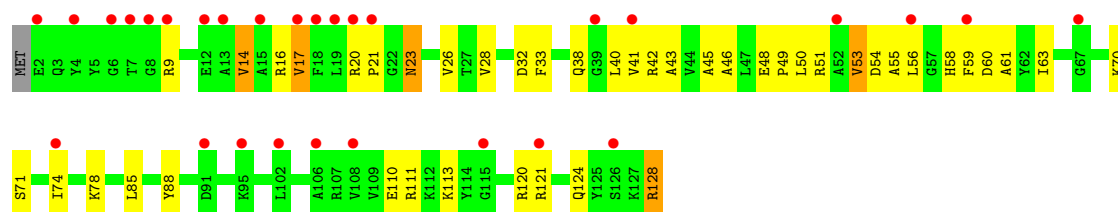
- Molecule 39: 30S ribosomal protein S8

Chain 2h: 

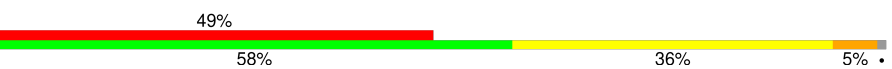


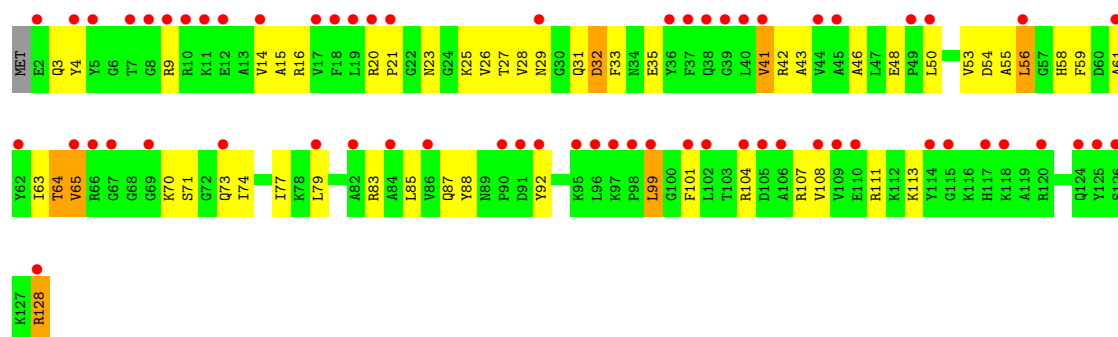
• Molecule 40: 30S ribosomal protein S9

Chain 1i: 



• Molecule 40: 30S ribosomal protein S9

Chain 2i: 

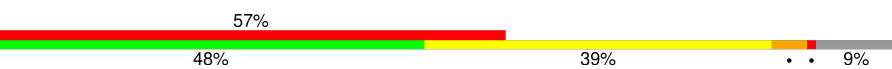


• Molecule 41: 30S ribosomal protein S10

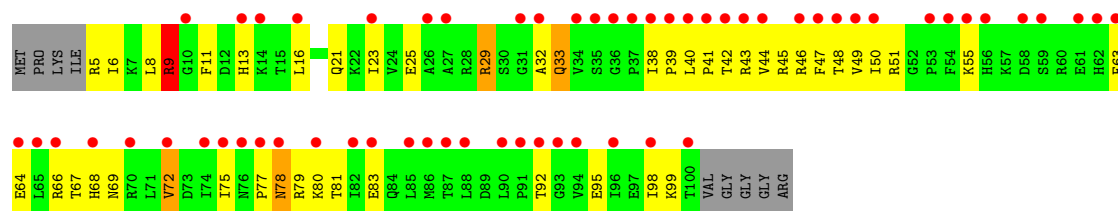
Chain 1j: 



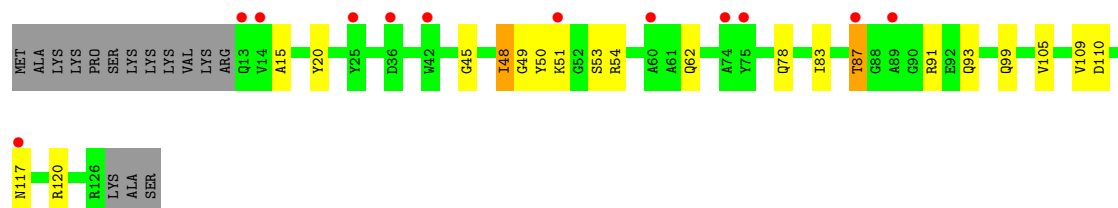
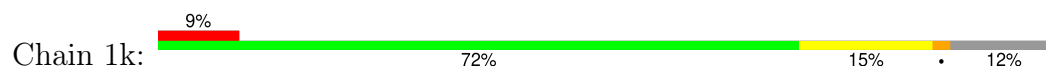
• Molecule 41: 30S ribosomal protein S10

Chain 2j: 

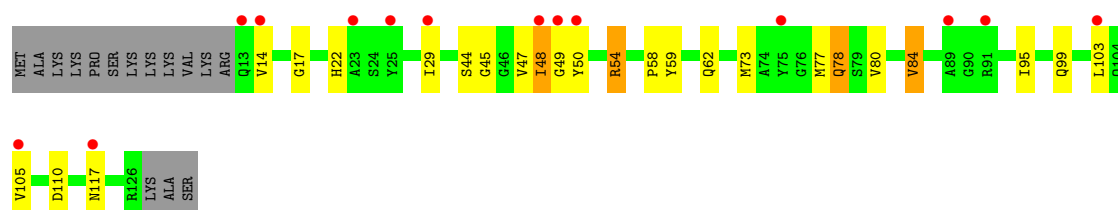




• Molecule 42: 30S ribosomal protein S11



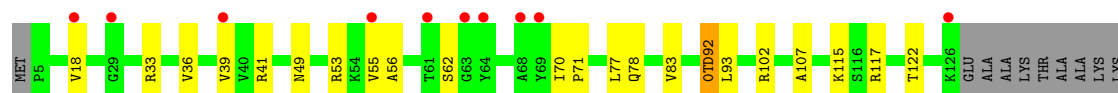
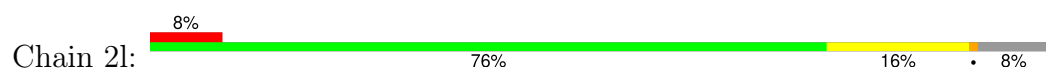
• Molecule 42: 30S ribosomal protein S11



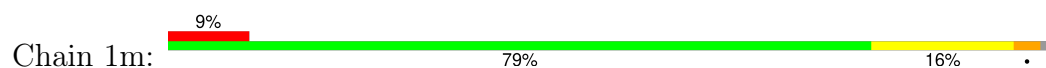
• Molecule 43: 30S ribosomal protein S12

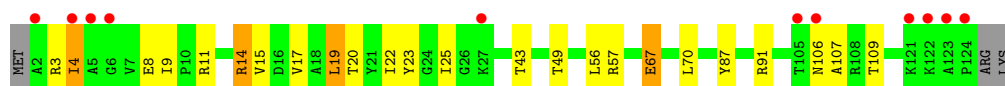


• Molecule 43: 30S ribosomal protein S12

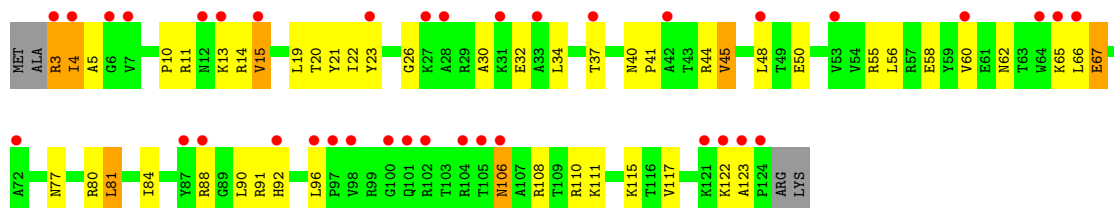


• Molecule 44: 30S ribosomal protein S13

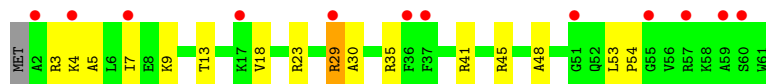
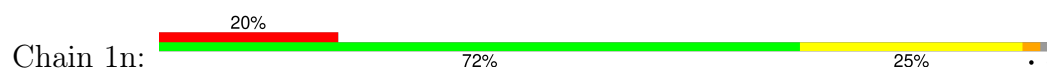




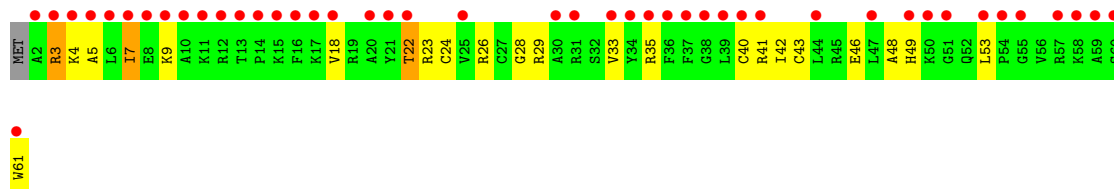
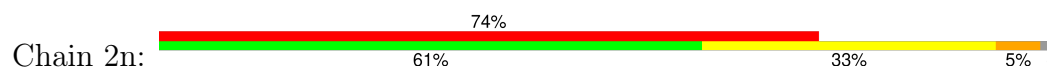
- Molecule 44: 30S ribosomal protein S13



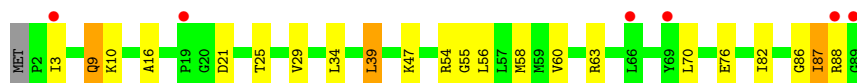
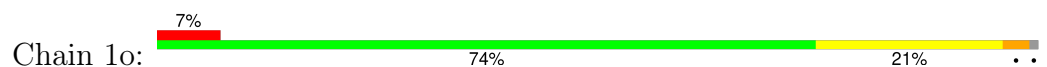
- Molecule 45: 30S ribosomal protein S14 type Z



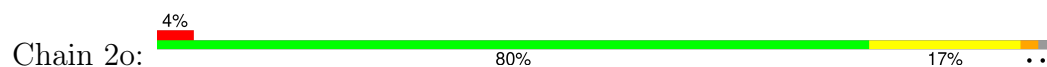
- Molecule 45: 30S ribosomal protein S14 type Z



- Molecule 46: 30S ribosomal protein S15

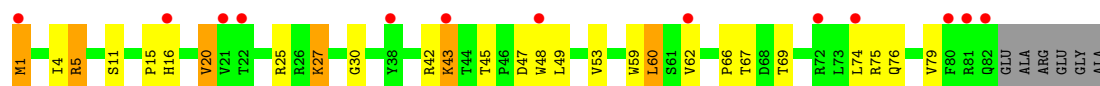


- Molecule 46: 30S ribosomal protein S15



- Molecule 47: 30S ribosomal protein S16

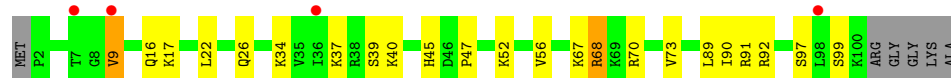
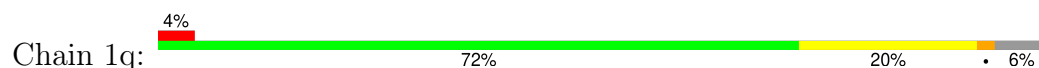




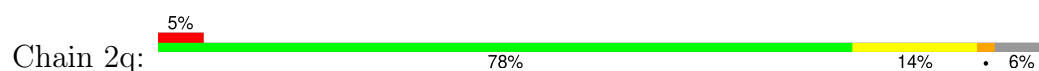
- Molecule 47: 30S ribosomal protein S16



- Molecule 48: 30S ribosomal protein S17



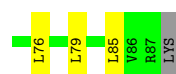
- Molecule 48: 30S ribosomal protein S17



- Molecule 49: 30S ribosomal protein S18



- Molecule 49: 30S ribosomal protein S18

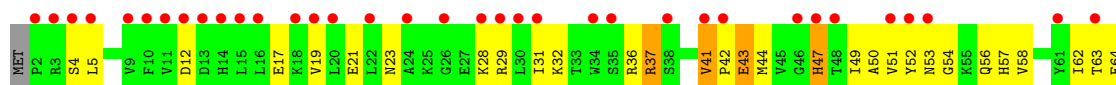
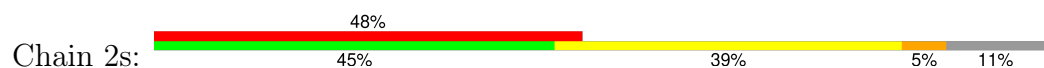


- Molecule 50: 30S ribosomal protein S19

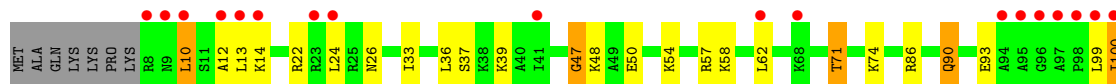




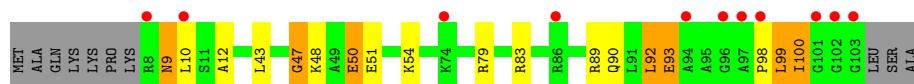
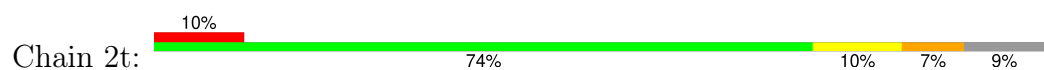
- Molecule 50: 30S ribosomal protein S19



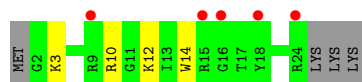
- Molecule 51: 30S ribosomal protein S20



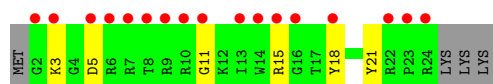
- Molecule 51: 30S ribosomal protein S20



- Molecule 52: 30S ribosomal protein Thx



- Molecule 52: 30S ribosomal protein Thx

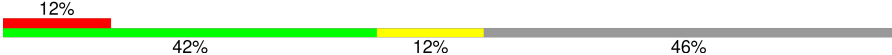


- Molecule 53: MF-mRNA

Chain 1v: 



• Molecule 53: MF-mRNA

Chain 2v: 



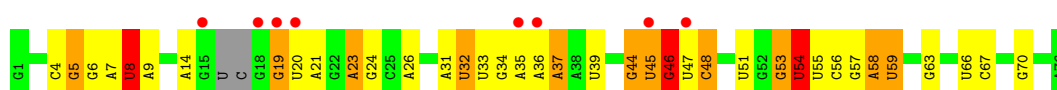
• Molecule 54: A- and E-site Deacylated tRNAphe

Chain 1w: 



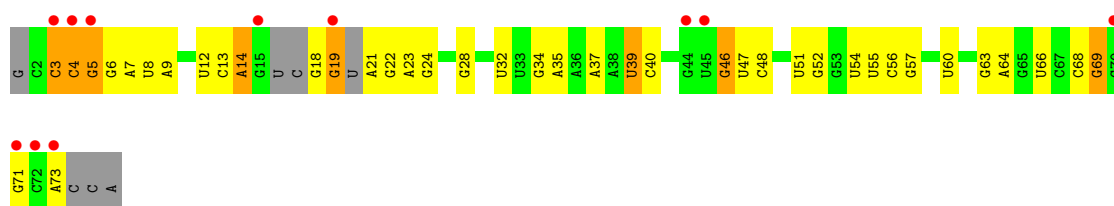
• Molecule 54: A- and E-site Deacylated tRNAphe

Chain 1y: 



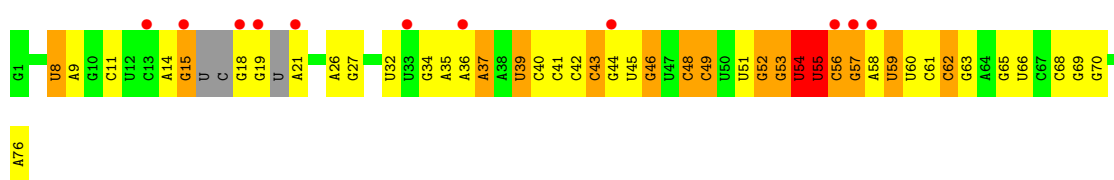
• Molecule 54: A- and E-site Deacylated tRNAphe

Chain 2w: 

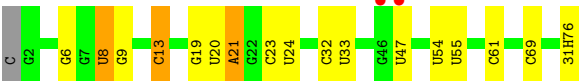
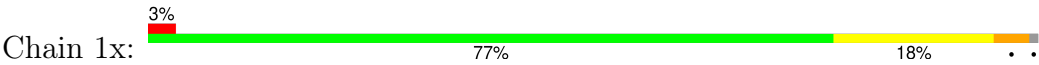


• Molecule 54: A- and E-site Deacylated tRNAphe

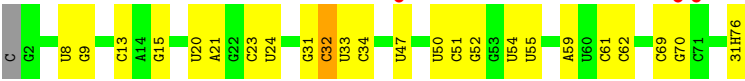
Chain 2y: 



• Molecule 55: P-site Aminoacyl-tRNA fMet-tRNAmet



• Molecule 55: P-site Aminoacyl-tRNA fMet-tRNAmet



4 Data and refinement statistics

Property	Value	Source
Space group	P 21 21 21	Depositor
Cell constants a, b, c, α , β , γ	210.03Å 450.06Å 623.80Å 90.00° 90.00° 90.00°	Depositor
Resolution (Å)	182.49 – 2.55 182.49 – 2.55	Depositor EDS
% Data completeness (in resolution range)	100.0 (182.49-2.55) 100.0 (182.49-2.55)	Depositor EDS
R_{merge}	0.17	Depositor
R_{sym}	(Not available)	Depositor
$\langle I/\sigma(I) \rangle$ ¹	1.30 (at 2.55Å)	Xtriage
Refinement program	PHENIX 1.8.2	Depositor
R, R_{free}	0.205 , 0.242 0.207 , 0.244	Depositor DCC
R_{free} test set	95005 reflections (5.02%)	wwPDB-VP
Wilson B-factor (Å ²)	55.9	Xtriage
Anisotropy	0.226	Xtriage
Bulk solvent k_{sol} (e/Å ³), B_{sol} (Å ²)	0.35 , 65.9	EDS
L-test for twinning ²	$\langle L \rangle = 0.47$, $\langle L^2 \rangle = 0.30$	Xtriage
Estimated twinning fraction	No twinning to report.	Xtriage
F_o, F_c correlation	0.93	EDS
Total number of atoms	299373	wwPDB-VP
Average B, all atoms (Å ²)	62.0	wwPDB-VP

Xtriage's analysis on translational NCS is as follows: *The largest off-origin peak in the Patterson function is 2.00% 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: 31H, MIA, OMU, OMG, WC9, PSU, 5MC, 0TD, SF4, UR3, ZN, 5MU, 2MG, K, M2G, 2MA, MG, MA6, 4OC, OMC, 4SU, G7M

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

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	# Z >5	RMSZ	# Z >5
1	1A	0.28	1/68985 (0.0%)	0.47	3/107677 (0.0%)
1	2A	0.21	0/67269	0.40	1/104999 (0.0%)
2	1B	0.21	0/2882	0.40	0/4494
2	2B	0.18	0/2879	0.36	0/4487
3	1D	0.27	0/2186	0.49	0/2944
3	2D	0.23	0/2186	0.45	0/2944
4	1E	0.26	0/1592	0.50	0/2149
4	2E	0.20	0/1592	0.42	0/2149
5	1F	0.25	0/1619	0.50	0/2193
5	2F	0.19	0/1615	0.45	0/2188
6	1G	0.22	0/1448	0.45	0/1957
6	2G	0.19	0/1453	0.40	0/1963
7	1H	0.21	0/1356	0.40	0/1834
7	2H	0.18	0/1356	0.35	0/1834
8	1I	0.19	0/1112	0.39	0/1514
8	2I	0.18	0/1079	0.40	0/1475
9	1N	0.24	0/1144	0.47	0/1543
9	2N	0.18	0/1144	0.40	0/1543
10	1O	0.25	0/943	0.45	0/1269
10	2O	0.19	0/943	0.42	0/1269
11	1P	0.25	0/1152	0.54	0/1533
11	2P	0.21	0/1152	0.51	0/1533
12	1Q	0.27	0/1143	0.49	0/1527
12	2Q	0.20	0/1143	0.42	0/1527
13	1R	0.27	0/982	0.50	0/1312
13	2R	0.20	0/982	0.44	0/1312
14	1S	0.21	0/883	0.46	0/1176
14	2S	0.20	0/880	0.43	0/1172
15	1T	0.23	0/1105	0.47	0/1477
15	2T	0.19	0/1097	0.42	0/1468
16	1U	0.28	0/977	0.46	0/1301

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	# Z >5	RMSZ	# Z >5
16	2U	0.19	0/977	0.39	0/1301
17	1V	0.24	0/782	0.49	0/1049
17	2V	0.18	0/782	0.40	0/1049
18	1W	0.27	0/897	0.45	0/1205
18	2W	0.21	0/897	0.40	0/1205
19	1X	0.25	0/764	0.53	0/1025
19	2X	0.21	0/764	0.46	2/1025 (0.2%)
20	1Y	0.23	0/819	0.49	0/1095
20	2Y	0.19	0/819	0.45	0/1095
21	1Z	0.21	0/1267	0.47	0/1717
21	2Z	0.22	0/1299	0.46	0/1763
22	10	0.25	0/616	0.55	0/821
22	20	0.20	0/662	0.46	0/881
23	11	0.23	0/762	0.41	0/1014
23	21	0.21	0/762	0.40	0/1014
24	12	0.24	0/590	0.41	0/781
24	22	0.18	0/590	0.38	0/781
25	13	0.27	0/474	0.48	0/635
25	23	0.17	0/469	0.40	0/630
26	14	0.24	0/565	0.56	0/761
26	24	0.22	0/545	0.47	0/737
27	15	0.28	0/469	0.54	0/635
27	25	0.21	0/469	0.40	0/635
28	16	0.26	0/460	0.47	0/613
28	26	0.20	0/456	0.41	0/608
29	17	0.30	0/426	0.50	0/561
29	27	0.26	0/426	0.50	0/561
30	18	0.25	0/525	0.45	0/691
30	28	0.20	0/525	0.39	0/691
31	19	0.28	0/310	0.52	0/407
31	29	0.18	0/310	0.41	0/407
32	1a	0.20	0/35795	0.38	0/55864
32	2a	0.19	0/35886	0.37	3/56005 (0.0%)
33	1b	0.21	0/1881	0.48	0/2542
33	2b	0.21	0/1860	0.48	0/2518
34	1c	0.19	0/1572	0.40	1/2126 (0.0%)
34	2c	0.21	0/1566	0.42	0/2119
35	1d	0.19	0/1685	0.40	0/2262
35	2d	0.19	0/1704	0.43	0/2284
36	1e	0.20	0/1145	0.44	0/1543
36	2e	0.20	0/1149	0.43	0/1548
37	1f	0.18	0/823	0.40	0/1115
37	2f	0.18	0/829	0.37	0/1123

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	# Z >5	RMSZ	# Z >5
38	1g	0.18	0/1250	0.40	1/1679 (0.1%)
38	2g	0.18	0/1254	0.38	0/1683
39	1h	0.18	0/1108	0.41	0/1494
39	2h	0.18	0/1108	0.42	0/1494
40	1i	0.21	0/1002	0.46	0/1346
40	2i	0.22	0/997	0.47	0/1343
41	1j	0.21	0/722	0.47	0/982
41	2j	0.22	0/727	0.50	0/988
42	1k	0.18	0/844	0.39	0/1145
42	2k	0.18	0/848	0.37	0/1149
43	1l	0.21	0/937	0.41	0/1260
43	2l	0.18	0/937	0.40	0/1260
44	1m	0.19	0/969	0.50	0/1302
44	2m	0.21	0/961	0.45	0/1291
45	1n	0.19	0/501	0.43	0/664
45	2n	0.20	0/501	0.47	0/664
46	1o	0.19	0/739	0.36	0/985
46	2o	0.17	0/739	0.40	0/985
47	1p	0.21	0/697	0.47	0/939
47	2p	0.20	0/693	0.45	0/935
48	1q	0.18	0/836	0.42	0/1117
48	2q	0.17	0/836	0.42	0/1117
49	1r	0.20	0/560	0.42	0/746
49	2r	0.19	0/560	0.38	0/746
50	1s	0.20	0/667	0.46	0/900
50	2s	0.24	0/661	0.57	0/893
51	1t	0.19	0/730	0.49	0/965
51	2t	0.21	0/729	0.45	0/965
52	1u	0.18	0/203	0.44	0/266
52	2u	0.26	0/203	0.46	0/266
53	1v	0.19	0/310	0.33	0/480
53	2v	0.18	0/310	0.34	0/480
54	1w	0.27	1/1559 (0.1%)	0.38	0/2424
54	1y	0.28	2/1606 (0.1%)	0.39	0/2497
54	2w	0.31	1/1487 (0.1%)	0.40	0/2311
54	2y	0.27	0/1583	0.38	0/2459
55	1x	0.28	1/1700 (0.1%)	0.41	0/2650
55	2x	0.26	1/1700 (0.1%)	0.38	0/2650
All	All	0.23	7/316426 (0.0%)	0.42	11/473725 (0.0%)

Chiral center outliers are detected by calculating the chiral volume of a chiral center and verifying if the center is modelled as a planar moiety or with the opposite hand. A planarity outlier is detected by checking planarity of atoms in a peptide group, atoms in a mainchain group or atoms of a

sidechain that are expected to be planar.

Mol	Chain	#Chirality outliers	#Planarity outliers
11	1P	0	1
11	2P	0	1
All	All	0	2

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

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
54	1y	8	4SU	O3'-P	5.42	1.61	1.56
54	2w	46	G7M	O3'-P	5.27	1.61	1.56
54	1y	46	G7M	O3'-P	5.13	1.61	1.56
55	2x	8	4SU	O3'-P	5.07	1.61	1.56
1	1A	2552	OMU	O3'-P	5.06	1.61	1.56

The worst 5 of 11 bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	1A	1992	G	C2'-C3'-O3'	7.65	120.98	109.50
1	2A	1992	G	C2'-C3'-O3'	6.66	119.49	109.50
34	1c	86	VAL	N-CA-C	-5.77	105.77	112.98
1	1A	1992	G	P-O3'-C3'	5.72	128.78	120.20
32	2a	1272	G	N1-C2-N2	-5.56	99.53	116.20

There are no chirality outliers.

All (2) planarity outliers are listed below:

Mol	Chain	Res	Type	Group
11	1P	35	HIS	Peptide
11	2P	35	HIS	Peptide

5.2 Too-close contacts [i](#)

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

Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
1	1A	61854	0	31201	432	0
1	2A	60324	0	30432	517	0
2	1B	2577	0	1305	17	0

Continued on next page...

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
2	2B	2575	0	1303	37	0
3	1D	2136	0	2218	29	0
3	2D	2136	0	2218	33	0
4	1E	1559	0	1618	16	0
4	2E	1559	0	1618	20	0
5	1F	1584	0	1625	23	0
5	2F	1580	0	1619	35	0
6	1G	1423	0	1436	33	0
6	2G	1428	0	1438	49	0
7	1H	1330	0	1407	14	0
7	2H	1330	0	1407	20	0
8	1I	1097	0	1140	23	0
8	2I	1064	0	1082	28	0
9	1N	1117	0	1184	13	0
9	2N	1117	0	1184	26	0
10	1O	933	0	996	10	0
10	2O	933	0	996	14	0
11	1P	1135	0	1212	23	0
11	2P	1135	0	1212	26	0
12	1Q	1122	0	1179	15	0
12	2Q	1122	0	1179	21	0
13	1R	968	0	1033	12	0
13	2R	968	0	1033	14	0
14	1S	873	0	927	18	0
14	2S	870	0	923	34	0
15	1T	1091	0	1151	12	0
15	2T	1083	0	1136	10	0
16	1U	959	0	1019	11	0
16	2U	959	0	1019	15	0
17	1V	771	0	830	7	0
17	2V	771	0	830	14	0
18	1W	886	0	940	6	0
18	2W	886	0	940	12	0
19	1X	750	0	814	11	0
19	2X	750	0	813	12	0
20	1Y	806	0	881	13	0
20	2Y	806	0	881	12	0
21	1Z	1240	0	1240	25	0
21	2Z	1271	0	1273	55	0
22	10	608	0	622	7	0
22	20	653	0	674	6	0
23	11	755	0	826	7	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
23	21	755	0	826	12	0
24	12	588	0	643	6	0
24	22	588	0	643	7	0
25	13	469	0	518	7	0
25	23	464	0	514	7	0
26	14	552	0	533	19	0
26	24	532	0	503	20	0
27	15	455	0	465	4	0
27	25	455	0	465	8	0
28	16	453	0	473	7	0
28	26	449	0	469	6	0
29	17	418	0	467	5	0
29	27	418	0	467	6	0
30	18	517	0	582	6	0
30	28	517	0	582	9	0
31	19	307	0	335	3	0
31	29	307	0	335	6	0
32	1a	32246	0	16295	309	0
32	2a	32327	0	16338	357	0
33	1b	1846	0	1867	42	0
33	2b	1825	0	1828	69	0
34	1c	1548	0	1535	31	0
34	2c	1542	0	1517	45	0
35	1d	1655	0	1672	29	0
35	2d	1674	0	1714	34	0
36	1e	1129	0	1185	28	0
36	2e	1133	0	1191	35	0
37	1f	810	0	804	15	0
37	2f	816	0	808	17	0
38	1g	1231	0	1238	15	0
38	2g	1235	0	1249	30	0
39	1h	1088	0	1126	19	0
39	2h	1088	0	1126	25	0
40	1i	983	0	986	32	0
40	2i	978	0	966	41	0
41	1j	709	0	650	22	0
41	2j	714	0	672	33	0
42	1k	829	0	825	13	0
42	2k	833	0	836	16	0
43	1l	932	0	981	13	0
43	2l	932	0	980	10	0
44	1m	958	0	1002	12	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
44	2m	950	0	988	34	0
45	1n	492	0	529	12	0
45	2n	492	0	529	20	0
46	1o	728	0	760	12	0
46	2o	728	0	760	13	0
47	1p	681	0	697	18	0
47	2p	677	0	686	16	0
48	1q	823	0	891	14	0
48	2q	823	0	891	9	0
49	1r	555	0	618	9	0
49	2r	555	0	618	19	0
50	1s	652	0	662	20	0
50	2s	646	0	644	36	0
51	1t	728	0	798	19	0
51	2t	727	0	796	11	0
52	1u	199	0	208	3	0
52	2u	199	0	208	5	0
53	1v	277	0	140	4	0
53	2v	277	0	140	1	0
54	1w	1550	0	796	36	0
54	1y	1585	0	803	16	0
54	2w	1482	0	754	15	0
54	2y	1565	0	794	35	0
55	1x	1635	0	839	5	0
55	2x	1635	0	839	8	0
56	10	9	0	0	0	0
56	11	5	0	0	0	0
56	12	2	0	0	0	0
56	13	4	0	0	0	0
56	14	1	0	0	0	0
56	15	8	0	0	0	0
56	16	1	0	0	0	0
56	17	5	0	0	0	0
56	18	6	0	0	0	0
56	19	1	0	0	0	0
56	1A	1097	0	0	0	0
56	1B	36	0	0	0	0
56	1D	11	0	0	0	0
56	1E	18	0	0	0	0
56	1F	13	0	0	0	0
56	1G	4	0	0	0	0
56	1I	1	0	0	0	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
56	1N	6	0	0	0	0
56	1O	6	0	0	0	0
56	1P	5	0	0	0	0
56	1Q	7	0	0	0	0
56	1R	8	0	0	0	0
56	1S	3	0	0	0	0
56	1T	2	0	0	0	0
56	1U	10	0	0	0	0
56	1V	7	0	0	0	0
56	1W	4	0	0	0	0
56	1X	7	0	0	0	0
56	1Y	3	0	0	0	0
56	1Z	3	0	0	0	0
56	1a	196	0	0	0	0
56	1b	1	0	0	0	0
56	1d	1	0	0	0	0
56	1e	1	0	0	0	0
56	1f	1	0	0	0	0
56	1l	2	0	0	0	0
56	1m	2	0	0	0	0
56	1n	2	0	0	0	0
56	1r	1	0	0	0	0
56	1t	1	0	0	0	0
56	1w	5	0	0	0	0
56	1x	14	0	0	0	0
56	1y	1	0	0	0	0
56	20	4	0	0	0	0
56	21	1	0	0	0	0
56	23	1	0	0	0	0
56	25	4	0	0	0	0
56	27	3	0	0	0	0
56	28	3	0	0	0	0
56	2A	808	0	0	0	0
56	2B	15	0	0	0	0
56	2D	6	0	0	0	0
56	2E	8	0	0	0	0
56	2F	7	0	0	0	0
56	2G	1	0	0	0	0
56	2N	1	0	0	0	0
56	2O	1	0	0	0	0
56	2P	1	0	0	0	0
56	2Q	3	0	0	0	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
56	2R	3	0	0	0	0
56	2T	4	0	0	0	0
56	2U	1	0	0	0	0
56	2V	2	0	0	0	0
56	2W	5	0	0	0	0
56	2X	2	0	0	0	0
56	2a	230	0	0	0	0
56	2d	2	0	0	0	0
56	2e	1	0	0	0	0
56	2f	2	0	0	0	0
56	2j	1	0	0	0	0
56	2l	4	0	0	0	0
56	2q	2	0	0	0	0
56	2r	1	0	0	0	0
56	2t	1	0	0	0	0
56	2v	3	0	0	0	0
56	2w	4	0	0	0	0
56	2x	5	0	0	0	0
56	2y	3	0	0	0	0
57	1A	34	0	0	1	0
57	2A	34	0	0	4	0
58	14	1	0	0	0	0
58	15	1	0	0	0	0
58	16	1	0	0	0	0
58	19	1	0	0	0	0
58	1Y	1	0	0	0	0
58	1n	1	0	0	0	0
58	24	1	0	0	0	0
58	25	1	0	0	0	0
58	26	1	0	0	0	0
58	29	1	0	0	0	0
58	2Y	1	0	0	0	0
58	2n	1	0	0	0	0
59	1d	8	0	0	0	0
59	2d	8	0	0	0	0
60	1x	1	0	0	0	0
60	2x	1	0	0	0	0
61	10	9	0	0	0	0
61	11	8	0	0	0	0
61	12	3	0	0	0	0
61	13	3	0	0	0	0
61	14	1	0	0	0	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
61	15	4	0	0	0	0
61	16	2	0	0	0	0
61	17	12	0	0	2	0
61	18	9	0	0	0	0
61	1A	1899	0	0	55	0
61	1B	59	0	0	3	0
61	1D	27	0	0	1	0
61	1E	26	0	0	1	0
61	1F	16	0	0	1	0
61	1G	1	0	0	0	0
61	1H	2	0	0	0	0
61	1N	6	0	0	0	0
61	1O	5	0	0	0	0
61	1P	22	0	0	1	0
61	1Q	8	0	0	0	0
61	1R	9	0	0	0	0
61	1S	3	0	0	1	0
61	1T	8	0	0	0	0
61	1U	14	0	0	0	0
61	1V	8	0	0	0	0
61	1W	8	0	0	2	0
61	1X	4	0	0	0	0
61	1Y	3	0	0	1	0
61	1Z	1	0	0	0	0
61	1a	263	0	0	20	0
61	1b	1	0	0	0	0
61	1d	2	0	0	0	0
61	1f	1	0	0	0	0
61	1g	1	0	0	0	0
61	1l	3	0	0	0	0
61	1n	1	0	0	0	0
61	1q	2	0	0	0	0
61	1v	5	0	0	0	0
61	1w	7	0	0	0	0
61	1x	10	0	0	0	0
61	1y	1	0	0	0	0
61	20	4	0	0	0	0
61	21	7	0	0	1	0
61	23	2	0	0	0	0
61	27	4	0	0	0	0
61	28	3	0	0	0	0
61	29	1	0	0	0	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
61	2A	974	0	0	49	0
61	2B	14	0	0	2	0
61	2D	19	0	0	0	0
61	2E	11	0	0	0	0
61	2F	10	0	0	0	0
61	2N	1	0	0	0	0
61	2O	2	0	0	0	0
61	2P	9	0	0	1	0
61	2Q	1	0	0	0	0
61	2R	4	0	0	0	0
61	2T	4	0	0	0	0
61	2U	2	0	0	0	0
61	2X	2	0	0	0	0
61	2a	184	0	0	16	0
61	2e	1	0	0	0	0
61	2g	1	0	0	0	0
61	2j	3	0	0	0	0
61	2l	3	0	0	0	0
61	2t	1	0	0	0	0
61	2v	1	0	0	0	0
61	2x	4	0	0	0	0
61	2y	2	0	0	0	0
All	All	299373	0	196613	3107	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 6.

The worst 5 of 3107 close contacts within the same asymmetric unit are listed below, sorted by their clash magnitude.

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:1A:1082:U:H3	1:1A:1086:A:N6	1.32	1.24
1:1A:1054:A:H61	1:1A:1105:U:H3	1.15	0.93
1:1A:2136:C:H42	1:1A:2155:G:H1	1.01	0.93
33:2b:16:HIS:HB2	33:2b:204:ASN:HB3	1.49	0.93
54:1w:2:C:H42	54:1w:71:G:H1	1.15	0.93

There are no symmetry-related clashes.

5.3 Torsion angles ⓘ

5.3.1 Protein backbone ⓘ

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

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

Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
3	1D	273/276 (99%)	259 (95%)	14 (5%)	0	100	100
3	2D	273/276 (99%)	259 (95%)	14 (5%)	0	100	100
4	1E	202/206 (98%)	194 (96%)	7 (4%)	1 (0%)	24	34
4	2E	202/206 (98%)	193 (96%)	8 (4%)	1 (0%)	24	34
5	1F	201/210 (96%)	194 (96%)	6 (3%)	1 (0%)	24	34
5	2F	201/210 (96%)	193 (96%)	7 (4%)	1 (0%)	24	34
6	1G	179/182 (98%)	167 (93%)	11 (6%)	1 (1%)	21	29
6	2G	179/182 (98%)	158 (88%)	18 (10%)	3 (2%)	7	8
7	1H	172/180 (96%)	164 (95%)	8 (5%)	0	100	100
7	2H	172/180 (96%)	158 (92%)	13 (8%)	1 (1%)	21	29
8	1I	144/148 (97%)	126 (88%)	16 (11%)	2 (1%)	9	11
8	2I	144/148 (97%)	127 (88%)	16 (11%)	1 (1%)	18	25
9	1N	138/140 (99%)	135 (98%)	3 (2%)	0	100	100
9	2N	138/140 (99%)	130 (94%)	6 (4%)	2 (1%)	9	11
10	1O	120/122 (98%)	114 (95%)	6 (5%)	0	100	100
10	2O	120/122 (98%)	113 (94%)	6 (5%)	1 (1%)	16	22
11	1P	147/150 (98%)	135 (92%)	12 (8%)	0	100	100
11	2P	147/150 (98%)	136 (92%)	9 (6%)	2 (1%)	9	11
12	1Q	139/141 (99%)	134 (96%)	5 (4%)	0	100	100
12	2Q	139/141 (99%)	129 (93%)	9 (6%)	1 (1%)	18	25
13	1R	116/118 (98%)	111 (96%)	5 (4%)	0	100	100
13	2R	116/118 (98%)	108 (93%)	8 (7%)	0	100	100
14	1S	108/112 (96%)	103 (95%)	5 (5%)	0	100	100
14	2S	108/112 (96%)	103 (95%)	3 (3%)	2 (2%)	6	7
15	1T	129/146 (88%)	125 (97%)	3 (2%)	1 (1%)	16	22

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
15	2T	129/146 (88%)	121 (94%)	8 (6%)	0	100	100
16	1U	114/118 (97%)	114 (100%)	0	0	100	100
16	2U	114/118 (97%)	111 (97%)	3 (3%)	0	100	100
17	1V	99/101 (98%)	94 (95%)	3 (3%)	2 (2%)	6	6
17	2V	99/101 (98%)	91 (92%)	6 (6%)	2 (2%)	6	6
18	1W	110/113 (97%)	109 (99%)	1 (1%)	0	100	100
18	2W	110/113 (97%)	109 (99%)	1 (1%)	0	100	100
19	1X	93/96 (97%)	90 (97%)	3 (3%)	0	100	100
19	2X	93/96 (97%)	89 (96%)	4 (4%)	0	100	100
20	1Y	105/110 (96%)	101 (96%)	3 (3%)	1 (1%)	12	17
20	2Y	105/110 (96%)	97 (92%)	7 (7%)	1 (1%)	12	17
21	1Z	148/206 (72%)	134 (90%)	12 (8%)	2 (1%)	9	11
21	2Z	156/206 (76%)	128 (82%)	24 (15%)	4 (3%)	4	3
22	10	75/85 (88%)	72 (96%)	3 (4%)	0	100	100
22	20	81/85 (95%)	74 (91%)	6 (7%)	1 (1%)	10	13
23	11	95/98 (97%)	92 (97%)	2 (2%)	1 (1%)	11	15
23	21	95/98 (97%)	94 (99%)	0	1 (1%)	11	15
24	12	68/72 (94%)	65 (96%)	3 (4%)	0	100	100
24	22	68/72 (94%)	65 (96%)	3 (4%)	0	100	100
25	13	57/60 (95%)	56 (98%)	1 (2%)	0	100	100
25	23	57/60 (95%)	53 (93%)	4 (7%)	0	100	100
26	14	67/71 (94%)	52 (78%)	11 (16%)	4 (6%)	1	0
26	24	67/71 (94%)	54 (81%)	11 (16%)	2 (3%)	3	2
27	15	57/60 (95%)	56 (98%)	1 (2%)	0	100	100
27	25	57/60 (95%)	55 (96%)	2 (4%)	0	100	100
28	16	51/54 (94%)	49 (96%)	2 (4%)	0	100	100
28	26	51/54 (94%)	49 (96%)	2 (4%)	0	100	100
29	17	46/49 (94%)	45 (98%)	1 (2%)	0	100	100
29	27	46/49 (94%)	46 (100%)	0	0	100	100
30	18	62/65 (95%)	62 (100%)	0	0	100	100
30	28	62/65 (95%)	61 (98%)	1 (2%)	0	100	100

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
31	19	35/37 (95%)	35 (100%)	0	0	100	100
31	29	35/37 (95%)	33 (94%)	2 (6%)	0	100	100
33	1b	229/256 (90%)	194 (85%)	25 (11%)	10 (4%)	2	1
33	2b	229/256 (90%)	185 (81%)	37 (16%)	7 (3%)	3	2
34	1c	204/239 (85%)	194 (95%)	10 (5%)	0	100	100
34	2c	204/239 (85%)	175 (86%)	26 (13%)	3 (2%)	8	10
35	1d	206/209 (99%)	195 (95%)	10 (5%)	1 (0%)	24	34
35	2d	206/209 (99%)	196 (95%)	10 (5%)	0	100	100
36	1e	146/162 (90%)	132 (90%)	12 (8%)	2 (1%)	9	11
36	2e	146/162 (90%)	136 (93%)	9 (6%)	1 (1%)	18	25
37	1f	98/101 (97%)	91 (93%)	7 (7%)	0	100	100
37	2f	98/101 (97%)	96 (98%)	2 (2%)	0	100	100
38	1g	153/156 (98%)	145 (95%)	8 (5%)	0	100	100
38	2g	153/156 (98%)	144 (94%)	7 (5%)	2 (1%)	9	12
39	1h	135/138 (98%)	127 (94%)	7 (5%)	1 (1%)	18	25
39	2h	135/138 (98%)	129 (96%)	5 (4%)	1 (1%)	18	25
40	1i	125/128 (98%)	108 (86%)	16 (13%)	1 (1%)	16	22
40	2i	125/128 (98%)	114 (91%)	11 (9%)	0	100	100
41	1j	95/105 (90%)	86 (90%)	6 (6%)	3 (3%)	3	2
41	2j	94/105 (90%)	83 (88%)	7 (7%)	4 (4%)	2	1
42	1k	112/129 (87%)	104 (93%)	7 (6%)	1 (1%)	14	20
42	2k	112/129 (87%)	102 (91%)	9 (8%)	1 (1%)	14	20
43	1l	119/132 (90%)	113 (95%)	6 (5%)	0	100	100
43	2l	119/132 (90%)	110 (92%)	9 (8%)	0	100	100
44	1m	121/126 (96%)	105 (87%)	14 (12%)	2 (2%)	7	8
44	2m	120/126 (95%)	107 (89%)	11 (9%)	2 (2%)	7	8
45	1n	58/61 (95%)	55 (95%)	3 (5%)	0	100	100
45	2n	58/61 (95%)	54 (93%)	4 (7%)	0	100	100
46	1o	86/89 (97%)	82 (95%)	4 (5%)	0	100	100
46	2o	86/89 (97%)	84 (98%)	1 (1%)	1 (1%)	10	13
47	1p	80/88 (91%)	71 (89%)	8 (10%)	1 (1%)	9	12

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
47	2p	80/88 (91%)	77 (96%)	3 (4%)	0	100	100
48	1q	97/105 (92%)	92 (95%)	4 (4%)	1 (1%)	12	17
48	2q	97/105 (92%)	92 (95%)	4 (4%)	1 (1%)	12	17
49	1r	66/88 (75%)	61 (92%)	4 (6%)	1 (2%)	8	10
49	2r	66/88 (75%)	61 (92%)	5 (8%)	0	100	100
50	1s	81/93 (87%)	71 (88%)	10 (12%)	0	100	100
50	2s	81/93 (87%)	69 (85%)	11 (14%)	1 (1%)	10	13
51	1t	94/106 (89%)	86 (92%)	5 (5%)	3 (3%)	3	2
51	2t	94/106 (89%)	83 (88%)	9 (10%)	2 (2%)	5	5
52	1u	21/27 (78%)	19 (90%)	2 (10%)	0	100	100
52	2u	21/27 (78%)	19 (90%)	2 (10%)	0	100	100
All	All	11364/12128 (94%)	10571 (93%)	698 (6%)	95 (1%)	16	22

5 of 95 Ramachandran outliers are listed below:

Mol	Chain	Res	Type
21	1Z	53	ILE
23	11	3	LYS
26	14	49	PHE
33	1b	25	ASN
40	1i	54	ASP

5.3.2 Protein sidechains ⓘ

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

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

Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
3	1D	215/218 (99%)	199 (93%)	16 (7%)	13	17
3	2D	215/218 (99%)	205 (95%)	10 (5%)	23	36
4	1E	164/166 (99%)	159 (97%)	5 (3%)	36	53
4	2E	164/166 (99%)	159 (97%)	5 (3%)	36	53
5	1F	160/166 (96%)	146 (91%)	14 (9%)	9	12

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
5	2F	159/166 (96%)	151 (95%)	8 (5%)	22	33
6	1G	143/156 (92%)	128 (90%)	15 (10%)	6	8
6	2G	143/156 (92%)	126 (88%)	17 (12%)	5	5
7	1H	144/148 (97%)	133 (92%)	11 (8%)	12	17
7	2H	144/148 (97%)	128 (89%)	16 (11%)	6	6
8	1I	113/124 (91%)	99 (88%)	14 (12%)	4	4
8	2I	105/124 (85%)	93 (89%)	12 (11%)	5	6
9	1N	118/119 (99%)	107 (91%)	11 (9%)	8	10
9	2N	118/119 (99%)	111 (94%)	7 (6%)	18	27
10	1O	100/100 (100%)	96 (96%)	4 (4%)	28	42
10	2O	100/100 (100%)	93 (93%)	7 (7%)	14	19
11	1P	115/116 (99%)	106 (92%)	9 (8%)	11	16
11	2P	115/116 (99%)	108 (94%)	7 (6%)	17	25
12	1Q	111/111 (100%)	106 (96%)	5 (4%)	24	38
12	2Q	111/111 (100%)	108 (97%)	3 (3%)	39	58
13	1R	101/101 (100%)	98 (97%)	3 (3%)	36	53
13	2R	101/101 (100%)	99 (98%)	2 (2%)	48	67
14	1S	86/88 (98%)	77 (90%)	9 (10%)	6	8
14	2S	85/88 (97%)	77 (91%)	8 (9%)	8	10
15	1T	115/127 (91%)	108 (94%)	7 (6%)	17	25
15	2T	113/127 (89%)	107 (95%)	6 (5%)	20	31
16	1U	93/94 (99%)	91 (98%)	2 (2%)	45	64
16	2U	93/94 (99%)	88 (95%)	5 (5%)	20	30
17	1V	80/82 (98%)	78 (98%)	2 (2%)	42	60
17	2V	80/82 (98%)	75 (94%)	5 (6%)	16	23
18	1W	90/92 (98%)	88 (98%)	2 (2%)	45	64
18	2W	90/92 (98%)	86 (96%)	4 (4%)	25	38
19	1X	77/78 (99%)	76 (99%)	1 (1%)	61	76
19	2X	77/78 (99%)	74 (96%)	3 (4%)	28	43
20	1Y	85/91 (93%)	79 (93%)	6 (7%)	13	19
20	2Y	85/91 (93%)	79 (93%)	6 (7%)	13	19

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
21	1Z	135/179 (75%)	124 (92%)	11 (8%)	11	15
21	2Z	137/179 (76%)	123 (90%)	14 (10%)	7	8
22	10	61/67 (91%)	60 (98%)	1 (2%)	55	73
22	20	65/67 (97%)	64 (98%)	1 (2%)	57	74
23	11	80/83 (96%)	78 (98%)	2 (2%)	42	60
23	21	80/83 (96%)	78 (98%)	2 (2%)	42	60
24	12	65/67 (97%)	63 (97%)	2 (3%)	35	53
24	22	65/67 (97%)	63 (97%)	2 (3%)	35	53
25	13	51/52 (98%)	47 (92%)	4 (8%)	11	16
25	23	50/52 (96%)	46 (92%)	4 (8%)	11	15
26	14	59/63 (94%)	50 (85%)	9 (15%)	3	2
26	24	53/63 (84%)	46 (87%)	7 (13%)	4	4
27	15	50/52 (96%)	48 (96%)	2 (4%)	28	42
27	25	50/52 (96%)	45 (90%)	5 (10%)	7	9
28	16	51/52 (98%)	49 (96%)	2 (4%)	28	43
28	26	50/52 (96%)	45 (90%)	5 (10%)	7	9
29	17	41/42 (98%)	37 (90%)	4 (10%)	7	9
29	27	41/42 (98%)	38 (93%)	3 (7%)	13	18
30	18	54/55 (98%)	52 (96%)	2 (4%)	30	45
30	28	54/55 (98%)	52 (96%)	2 (4%)	30	45
31	19	34/34 (100%)	33 (97%)	1 (3%)	37	55
31	29	34/34 (100%)	34 (100%)	0	100	100
33	1b	192/220 (87%)	164 (85%)	28 (15%)	3	2
33	2b	187/220 (85%)	153 (82%)	34 (18%)	2	1
34	1c	142/188 (76%)	132 (93%)	10 (7%)	14	19
34	2c	140/188 (74%)	124 (89%)	16 (11%)	5	6
35	1d	169/181 (93%)	157 (93%)	12 (7%)	13	19
35	2d	173/181 (96%)	161 (93%)	12 (7%)	14	20
36	1e	113/123 (92%)	106 (94%)	7 (6%)	16	24
36	2e	114/123 (93%)	106 (93%)	8 (7%)	14	19
37	1f	84/90 (93%)	75 (89%)	9 (11%)	6	7

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
37	2f	85/90 (94%)	80 (94%)	5 (6%)	18	27
38	1g	119/127 (94%)	107 (90%)	12 (10%)	7	8
38	2g	120/127 (94%)	114 (95%)	6 (5%)	22	33
39	1h	114/119 (96%)	111 (97%)	3 (3%)	40	59
39	2h	114/119 (96%)	107 (94%)	7 (6%)	17	25
40	1i	90/99 (91%)	83 (92%)	7 (8%)	11	16
40	2i	89/99 (90%)	77 (86%)	12 (14%)	4	3
41	1j	66/92 (72%)	60 (91%)	6 (9%)	9	11
41	2j	69/92 (75%)	60 (87%)	9 (13%)	4	4
42	1k	82/99 (83%)	78 (95%)	4 (5%)	22	34
42	2k	83/99 (84%)	78 (94%)	5 (6%)	17	26
43	1l	96/108 (89%)	91 (95%)	5 (5%)	21	32
43	2l	96/108 (89%)	90 (94%)	6 (6%)	16	23
44	1m	93/101 (92%)	83 (89%)	10 (11%)	6	7
44	2m	92/101 (91%)	81 (88%)	11 (12%)	5	5
45	1n	49/50 (98%)	45 (92%)	4 (8%)	10	14
45	2n	49/50 (98%)	45 (92%)	4 (8%)	10	14
46	1o	78/80 (98%)	73 (94%)	5 (6%)	16	23
46	2o	78/80 (98%)	75 (96%)	3 (4%)	29	44
47	1p	69/74 (93%)	60 (87%)	9 (13%)	4	4
47	2p	68/74 (92%)	61 (90%)	7 (10%)	7	8
48	1q	94/97 (97%)	85 (90%)	9 (10%)	8	9
48	2q	94/97 (97%)	90 (96%)	4 (4%)	26	39
49	1r	59/77 (77%)	55 (93%)	4 (7%)	14	20
49	2r	59/77 (77%)	52 (88%)	7 (12%)	5	5
50	1s	69/80 (86%)	63 (91%)	6 (9%)	9	13
50	2s	67/80 (84%)	61 (91%)	6 (9%)	9	11
51	1t	70/82 (85%)	64 (91%)	6 (9%)	10	13
51	2t	70/82 (85%)	65 (93%)	5 (7%)	13	19
52	1u	18/22 (82%)	18 (100%)	0	100	100
52	2u	18/22 (82%)	18 (100%)	0	100	100

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
All	All	9299/10064 (92%)	8624 (93%)	675 (7%)	13	18

5 of 675 residues with a non-rotameric sidechain are listed below:

Mol	Chain	Res	Type
21	2Z	33	LEU
36	2e	41	VAL
21	2Z	170	THR
20	2Y	99	CYS
33	2b	112	VAL

Sometimes sidechains can be flipped to improve hydrogen bonding and reduce clashes. 5 of 148 such sidechains are listed below:

Mol	Chain	Res	Type
36	2e	73	ASN
50	2s	69	HIS
38	2g	13	GLN
42	2k	78	GLN
37	1f	13	ASN

5.3.3 RNA ⓘ

Mol	Chain	Analysed	Backbone Outliers	Pucker Outliers
1	1A	2864/2915 (98%)	404 (14%)	28 (0%)
1	2A	2791/2915 (95%)	420 (15%)	27 (0%)
2	1B	119/121 (98%)	9 (7%)	0
2	2B	118/121 (97%)	23 (19%)	0
32	1a	1497/1521 (98%)	216 (14%)	0
32	2a	1501/1521 (98%)	244 (16%)	0
53	1v	12/24 (50%)	1 (8%)	0
53	2v	12/24 (50%)	2 (16%)	0
54	1w	70/76 (92%)	17 (24%)	0
54	1y	72/76 (94%)	23 (31%)	0
54	2w	66/76 (86%)	18 (27%)	0
54	2y	70/76 (92%)	19 (27%)	0
55	1x	74/77 (96%)	9 (12%)	0
55	2x	74/77 (96%)	8 (10%)	0
All	All	9340/9620 (97%)	1413 (15%)	55 (0%)

5 of 1413 RNA backbone outliers are listed below:

Mol	Chain	Res	Type
1	1A	12	U
1	1A	34	C
1	1A	45	C
1	1A	71	A
1	1A	74	A

5 of 55 RNA pucker outliers are listed below:

Mol	Chain	Res	Type
1	2A	196	A
1	2A	528	A
1	2A	2689	U
1	2A	1913	A
1	2A	228	A

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

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

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

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
54	PSU	2y	39	54	18,21,22	1.38	2 (11%)	21,30,33	1.85	4 (19%)
32	4OC	1a	1402	32	20,23,24	0.73	0	25,32,35	1.05	1 (4%)
1	5MU	2A	1915	1	19,22,23	1.46	5 (26%)	27,32,35	2.20	6 (22%)
1	MA6	1A	2058	56,1	23,26,27	0.53	0	33,38,41	2.45	13 (39%)
54	PSU	2y	32	54	18,21,22	1.34	2 (11%)	21,30,33	1.98	3 (14%)
1	2MA	2A	2503	56,1	22,25,26	1.49	5 (22%)	32,37,40	2.34	8 (25%)
55	31H	2x	76	56,60,55	31,34,35	1.24	4 (12%)	35,47,50	1.97	11 (31%)
54	5MU	2y	54	54	19,22,23	1.42	4 (21%)	27,32,35	2.09	7 (25%)
43	0TD	2l	92	43	8,9,10	4.46	1 (12%)	6,11,13	3.72	3 (50%)
1	MA6	2A	2058	1	23,26,27	0.49	0	33,38,41	2.20	12 (36%)
54	PSU	1w	55	54	18,21,22	1.38	2 (11%)	21,30,33	2.09	3 (14%)
54	G7M	1y	46	54	23,26,27	1.52	4 (17%)	34,39,42	1.70	4 (11%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
55	31H	1x	76	56,60,55	31,34,35	1.25	4 (12%)	35,47,50	2.05	13 (37%)
32	5MC	1a	1400	32	19,22,23	1.66	3 (15%)	26,32,35	1.17	2 (7%)
54	MIA	1w	37	54	28,31,32	2.36	6 (21%)	38,44,47	2.85	13 (34%)
55	5MU	1x	54	56,55	19,22,23	1.44	5 (26%)	27,32,35	2.01	6 (22%)
32	2MG	2a	1207	32	23,26,27	1.24	4 (17%)	33,38,41	2.23	8 (24%)
54	5MU	1w	54	54	19,22,23	1.35	4 (21%)	27,32,35	2.07	6 (22%)
32	G7M	2a	527	56,32	23,26,27	1.47	4 (17%)	34,39,42	1.71	5 (14%)
54	5MU	2w	54	54	19,22,23	1.34	3 (15%)	27,32,35	1.87	7 (25%)
1	PSU	2A	1911	1	18,21,22	1.36	2 (11%)	21,30,33	2.00	4 (19%)
1	OMU	2A	2552	56,1	19,22,23	1.16	2 (10%)	25,31,34	1.78	5 (20%)
54	G7M	2w	46	54	23,26,27	1.47	5 (21%)	34,39,42	1.62	4 (11%)
1	5MC	1A	1942	1	19,22,23	1.63	3 (15%)	26,32,35	1.24	2 (7%)
1	OMG	1A	2251	56,1,55	23,26,27	1.24	3 (13%)	32,38,41	1.97	7 (21%)
55	PSU	2x	55	55	18,21,22	1.35	2 (11%)	21,30,33	2.06	4 (19%)
32	5MC	2a	1404	32	19,22,23	1.81	3 (15%)	26,32,35	1.18	2 (7%)
1	PSU	2A	1917	1	18,21,22	1.32	2 (11%)	21,30,33	1.91	4 (19%)
54	PSU	1y	32	54	18,21,22	1.32	2 (11%)	21,30,33	1.97	3 (14%)
1	5MC	2A	1942	1	19,22,23	1.60	3 (15%)	26,32,35	1.07	2 (7%)
1	5MC	1A	1962	56,1	19,22,23	1.63	3 (15%)	26,32,35	1.19	2 (7%)
32	M2G	2a	966	32	24,27,28	1.28	3 (12%)	33,40,43	1.86	6 (18%)
32	MA6	1a	1518	32	23,26,27	0.42	0	33,38,41	1.99	9 (27%)
1	OMC	2A	1920	1	19,22,23	0.80	0	25,31,34	0.90	1 (4%)
1	5MU	2A	1939	56,1	19,22,23	1.45	6 (31%)	27,32,35	2.33	6 (22%)
55	5MC	1x	32	55	19,22,23	1.65	3 (15%)	26,32,35	1.21	3 (11%)
1	PSU	2A	2605	1	18,21,22	1.37	3 (16%)	21,30,33	2.07	4 (19%)
32	5MC	2a	967	32	19,22,23	1.66	3 (15%)	26,32,35	1.08	2 (7%)
32	G7M	1a	527	32	23,26,27	1.53	3 (13%)	34,39,42	1.63	4 (11%)
55	5MC	2x	32	55	19,22,23	1.59	3 (15%)	26,32,35	1.27	3 (11%)
1	PSU	1A	1917	1	18,21,22	1.34	2 (11%)	21,30,33	2.02	3 (14%)
1	5MU	1A	1915	1	19,22,23	1.42	4 (21%)	27,32,35	2.21	6 (22%)
55	4SU	2x	8	55	18,21,22	2.06	6 (33%)	25,30,33	1.38	5 (20%)
54	4SU	1w	8	54	18,21,22	1.77	5 (27%)	25,30,33	1.80	5 (20%)
32	MA6	1a	1519	32	23,26,27	0.45	0	33,38,41	2.10	9 (27%)
54	PSU	1y	55	54	18,21,22	1.39	2 (11%)	21,30,33	2.00	3 (14%)
43	0TD	1l	92	43	8,9,10	4.35	1 (12%)	6,11,13	7.57	2 (33%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
54	PSU	2w	39	54	18,21,22	1.36	2 (11%)	21,30,33	1.94	3 (14%)
32	M2G	1a	966	32	24,27,28	1.32	4 (16%)	33,40,43	1.84	6 (18%)
55	4SU	1x	8	55	18,21,22	2.35	6 (33%)	25,30,33	1.83	7 (28%)
54	MIA	1y	37	54	21,24,32	1.67	4 (19%)	30,35,47	2.00	7 (23%)
32	2MG	1a	1207	32	23,26,27	1.23	2 (8%)	33,38,41	2.20	8 (24%)
32	5MC	1a	1407	32	19,22,23	1.60	2 (10%)	26,32,35	1.05	2 (7%)
54	PSU	1y	39	54	18,21,22	1.38	2 (11%)	21,30,33	1.82	3 (14%)
1	5MC	2A	1962	56,1	19,22,23	1.68	3 (15%)	26,32,35	1.16	3 (11%)
54	PSU	2w	55	54	18,21,22	1.37	2 (11%)	21,30,33	1.97	3 (14%)
32	PSU	2a	516	32	18,21,22	1.29	2 (11%)	21,30,33	2.10	4 (19%)
1	5MU	1A	1939	56,1	19,22,23	1.50	6 (31%)	27,32,35	2.01	5 (18%)
32	UR3	1a	1498	32	19,22,23	1.00	1 (5%)	26,32,35	1.79	4 (15%)
1	PSU	1A	2605	56,1	18,21,22	1.43	3 (16%)	21,30,33	2.00	4 (19%)
1	OMC	1A	1920	1	19,22,23	0.80	0	25,31,34	0.87	0
54	PSU	2y	55	54	18,21,22	1.44	2 (11%)	21,30,33	1.94	5 (23%)
54	PSU	1w	39	54	18,21,22	1.34	2 (11%)	21,30,33	1.94	3 (14%)
54	4SU	1y	8	54	18,21,22	1.81	6 (33%)	25,30,33	1.80	4 (16%)
54	MIA	2y	37	54	21,24,32	1.63	3 (14%)	30,35,47	1.99	7 (23%)
54	PSU	1w	32	54,56	18,21,22	1.35	2 (11%)	21,30,33	1.98	3 (14%)
32	MA6	2a	1519	32	23,26,27	0.41	0	33,38,41	2.12	9 (27%)
54	4SU	2w	8	54	18,21,22	1.78	5 (27%)	25,30,33	2.02	5 (20%)
32	5MC	1a	1404	32	19,22,23	1.73	3 (15%)	26,32,35	1.20	2 (7%)
32	4OC	2a	1402	32	20,23,24	0.78	0	25,32,35	0.96	1 (4%)
32	5MC	2a	1400	32	19,22,23	1.67	3 (15%)	26,32,35	1.21	3 (11%)
54	MIA	2w	37	54	24,27,32	2.11	6 (25%)	32,39,47	2.59	11 (34%)
32	5MC	2a	1407	56,32	19,22,23	1.57	2 (10%)	26,32,35	1.16	2 (7%)
1	OMG	2A	2251	1,55	23,26,27	1.22	3 (13%)	32,38,41	2.03	6 (18%)
1	PSU	1A	1911	1	18,21,22	1.39	2 (11%)	21,30,33	1.99	4 (19%)
54	G7M	2y	46	54	23,26,27	1.52	3 (13%)	34,39,42	1.75	4 (11%)
54	PSU	2w	32	54	18,21,22	1.38	2 (11%)	21,30,33	1.93	4 (19%)
55	PSU	1x	55	55	18,21,22	1.33	2 (11%)	21,30,33	1.98	4 (19%)
32	PSU	1a	516	56,32	18,21,22	1.39	2 (11%)	21,30,33	2.09	6 (28%)
32	MA6	2a	1518	32	23,26,27	0.45	0	33,38,41	2.03	9 (27%)
1	OMU	1A	2552	56,1	19,22,23	1.26	3 (15%)	25,31,34	1.83	5 (20%)
54	4SU	2y	8	54	18,21,22	1.74	4 (22%)	25,30,33	2.21	4 (16%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
32	UR3	2a	1498	32	19,22,23	1.06	1 (5%)	26,32,35	1.74	3 (11%)
54	G7M	1w	46	54	23,26,27	1.53	4 (17%)	34,39,42	1.61	4 (11%)
32	5MC	1a	967	32	19,22,23	1.73	2 (10%)	26,32,35	1.13	2 (7%)
1	2MA	1A	2503	56,1	22,25,26	1.45	5 (22%)	32,37,40	2.32	9 (28%)
55	5MU	2x	54	55	19,22,23	1.37	5 (26%)	27,32,35	2.17	6 (22%)
54	5MU	1y	54	54	19,22,23	1.46	5 (26%)	27,32,35	1.72	6 (22%)

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

Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
54	PSU	2y	39	54	-	0/7/25/26	0/2/2/2
32	4OC	1a	1402	32	-	1/9/29/30	0/2/2/2
1	5MU	2A	1915	1	-	1/7/25/26	0/2/2/2
1	MA6	1A	2058	56,1	-	0/11/29/30	0/3/3/3
54	PSU	2y	32	54	-	0/7/25/26	0/2/2/2
1	2MA	2A	2503	56,1	-	2/7/25/26	0/3/3/3
55	31H	2x	76	56,60,55	-	4/22/40/41	0/3/3/3
54	5MU	2y	54	54	-	3/7/25/26	0/2/2/2
43	0TD	2l	92	43	-	4/7/12/14	-
1	MA6	2A	2058	1	-	0/11/29/30	0/3/3/3
54	PSU	1w	55	54	-	0/7/25/26	0/2/2/2
54	G7M	1y	46	54	-	1/7/25/26	0/3/3/3
55	31H	1x	76	56,60,55	-	5/22/40/41	0/3/3/3
32	5MC	1a	1400	32	-	0/7/25/26	0/2/2/2
54	MIA	1w	37	54	-	1/15/33/34	0/3/3/3
55	5MU	1x	54	56,55	-	0/7/25/26	0/2/2/2
32	2MG	2a	1207	32	-	0/9/27/28	0/3/3/3
54	5MU	1w	54	54	-	0/7/25/26	0/2/2/2
32	G7M	2a	527	56,32	-	3/7/25/26	0/3/3/3
54	5MU	2w	54	54	-	0/7/25/26	0/2/2/2
1	PSU	2A	1911	1	-	0/7/25/26	0/2/2/2
1	OMU	2A	2552	56,1	-	0/9/27/28	0/2/2/2
54	G7M	2w	46	54	-	1/7/25/26	0/3/3/3
1	5MC	1A	1942	1	-	0/7/25/26	0/2/2/2
1	OMG	1A	2251	56,1,55	-	0/9/27/28	0/3/3/3
55	PSU	2x	55	55	-	0/7/25/26	0/2/2/2
32	5MC	2a	1404	32	-	0/7/25/26	0/2/2/2

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
1	PSU	2A	1917	1	-	1/7/25/26	0/2/2/2
54	PSU	1y	32	54	-	0/7/25/26	0/2/2/2
1	5MC	2A	1942	1	-	0/7/25/26	0/2/2/2
1	5MC	1A	1962	56,1	-	0/7/25/26	0/2/2/2
32	M2G	2a	966	32	-	0/11/29/30	0/3/3/3
32	MA6	1a	1518	32	-	0/11/29/30	0/3/3/3
1	OMC	2A	1920	1	-	0/9/27/28	0/2/2/2
1	5MU	2A	1939	56,1	-	0/7/25/26	0/2/2/2
55	5MC	1x	32	55	-	0/7/25/26	0/2/2/2
1	PSU	2A	2605	1	-	0/7/25/26	0/2/2/2
32	5MC	2a	967	32	-	0/7/25/26	0/2/2/2
32	G7M	1a	527	32	-	3/7/25/26	0/3/3/3
55	5MC	2x	32	55	-	0/7/25/26	0/2/2/2
1	PSU	1A	1917	1	-	0/7/25/26	0/2/2/2
1	5MU	1A	1915	1	-	0/7/25/26	0/2/2/2
55	4SU	2x	8	55	-	0/7/25/26	0/2/2/2
54	4SU	1w	8	54	-	0/7/25/26	0/2/2/2
32	MA6	1a	1519	32	-	3/11/29/30	0/3/3/3
54	PSU	1y	55	54	-	1/7/25/26	0/2/2/2
43	0TD	1l	92	43	-	2/7/12/14	-
54	PSU	2w	39	54	-	0/7/25/26	0/2/2/2
32	M2G	1a	966	32	-	0/11/29/30	0/3/3/3
55	4SU	1x	8	55	-	0/7/25/26	0/2/2/2
54	MIA	1y	37	54	-	0/7/25/34	0/3/3/3
32	2MG	1a	1207	32	-	0/9/27/28	0/3/3/3
32	5MC	1a	1407	32	-	0/7/25/26	0/2/2/2
54	PSU	1y	39	54	-	0/7/25/26	0/2/2/2
1	5MC	2A	1962	56,1	-	0/7/25/26	0/2/2/2
54	PSU	2w	55	54	-	0/7/25/26	0/2/2/2
32	PSU	2a	516	32	-	0/7/25/26	0/2/2/2
1	5MU	1A	1939	56,1	-	0/7/25/26	0/2/2/2
32	UR3	1a	1498	32	-	0/7/25/26	0/2/2/2
1	PSU	1A	2605	56,1	-	0/7/25/26	0/2/2/2
1	OMC	1A	1920	1	-	1/9/27/28	0/2/2/2
54	PSU	2y	55	54	-	3/7/25/26	0/2/2/2
54	PSU	1w	39	54	-	0/7/25/26	0/2/2/2
54	4SU	1y	8	54	-	3/7/25/26	0/2/2/2
54	MIA	2y	37	54	-	1/7/25/34	0/3/3/3
54	PSU	1w	32	54,56	-	0/7/25/26	0/2/2/2
32	MA6	2a	1519	32	-	3/11/29/30	0/3/3/3
54	4SU	2w	8	54	-	0/7/25/26	0/2/2/2

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
32	5MC	1a	1404	32	-	0/7/25/26	0/2/2/2
32	4OC	2a	1402	32	-	1/9/29/30	0/2/2/2
32	5MC	2a	1400	32	-	1/7/25/26	0/2/2/2
54	MIA	2w	37	54	-	2/11/29/34	0/3/3/3
32	5MC	2a	1407	56,32	-	0/7/25/26	0/2/2/2
1	OMG	2A	2251	1,55	-	0/9/27/28	0/3/3/3
1	PSU	1A	1911	1	-	0/7/25/26	0/2/2/2
54	G7M	2y	46	54	-	2/7/25/26	0/3/3/3
54	PSU	2w	32	54	-	0/7/25/26	0/2/2/2
55	PSU	1x	55	55	-	0/7/25/26	0/2/2/2
32	PSU	1a	516	56,32	-	0/7/25/26	0/2/2/2
32	MA6	2a	1518	32	-	0/11/29/30	0/3/3/3
1	OMU	1A	2552	56,1	-	0/9/27/28	0/2/2/2
54	4SU	2y	8	54	-	0/7/25/26	0/2/2/2
32	UR3	2a	1498	32	-	0/7/25/26	0/2/2/2
54	G7M	1w	46	54	-	1/7/25/26	0/3/3/3
32	5MC	1a	967	32	-	0/7/25/26	0/2/2/2
1	2MA	1A	2503	56,1	-	0/7/25/26	0/3/3/3
55	5MU	2x	54	55	-	0/7/25/26	0/2/2/2
54	5MU	1y	54	54	-	2/7/25/26	0/2/2/2

The worst 5 of 252 bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
43	2l	92	0TD	CB-SB	-12.18	1.70	1.82
43	1l	92	0TD	CB-SB	-11.84	1.70	1.82
54	1w	37	MIA	C2-S10	-7.18	1.69	1.75
54	1w	37	MIA	C13-C14	6.81	1.52	1.32
54	2w	37	MIA	C2-S10	-6.57	1.70	1.75

The worst 5 of 435 bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
43	1l	92	0TD	CSB-SB-CB	-18.12	69.79	102.36
54	1w	37	MIA	C12-C13-C14	-9.42	110.10	127.01
54	2w	37	MIA	C5-C4-N3	-9.08	117.61	127.18
54	1w	37	MIA	C5-C4-N3	-8.21	118.53	127.18
1	1A	2503	2MA	C5-C4-N3	-8.14	118.60	127.18

There are no chirality outliers.

5 of 56 torsion outliers are listed below:

Mol	Chain	Res	Type	Atoms
32	1a	1519	MA6	O4'-C4'-C5'-O5'
43	1l	92	0TD	CA-CB-SB-CSB
43	1l	92	0TD	CG-CB-SB-CSB
54	1w	37	MIA	C12-C13-C14-C16
55	1x	76	31H	C-CA-CB-CG

There are no ring outliers.

31 monomers are involved in 43 short contacts:

Mol	Chain	Res	Type	Clashes	Symm-Clashes
54	2y	39	PSU	1	0
32	1a	1402	4OC	2	0
1	2A	1915	5MU	1	0
1	1A	2058	MA6	1	0
54	2y	54	5MU	1	0
43	2l	92	0TD	1	0
1	2A	2058	MA6	3	0
54	1y	46	G7M	1	0
54	1w	37	MIA	1	0
54	1y	32	PSU	1	0
32	2a	966	M2G	1	0
32	1a	1518	MA6	1	0
1	2A	1939	5MU	1	0
55	2x	32	5MC	1	0
54	1w	8	4SU	1	0
32	1a	1519	MA6	1	0
54	2w	39	PSU	1	0
55	1x	8	4SU	2	0
54	1y	37	MIA	1	0
54	2y	55	PSU	7	0
54	1y	8	4SU	1	0
54	2y	37	MIA	1	0
32	2a	1519	MA6	2	0
1	2A	2251	OMG	1	0
54	2y	46	G7M	1	0
32	2a	1518	MA6	4	0
1	1A	2552	OMU	1	0
54	2y	8	4SU	2	0
54	1w	46	G7M	1	0
1	1A	2503	2MA	1	0
54	1y	54	5MU	1	0

5.5 Carbohydrates [i](#)

There are no oligosaccharides in this entry.

5.6 Ligand geometry [i](#)

Of 2682 ligands modelled in this entry, 2678 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	$\# Z > 2$
59	SF4	2d	303	35	0,12,12	-	-	-		
59	SF4	1d	302	35	0,12,12	-	-	-		
57	WC9	2A	3809	-	34,37,37	1.36	5 (14%)	31,53,53	1.18	3 (9%)
57	WC9	1A	4098	-	34,37,37	1.45	5 (14%)	31,53,53	1.36	6 (19%)

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

Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
59	SF4	2d	303	35	-	-	0/6/5/5
59	SF4	1d	302	35	-	-	0/6/5/5
57	WC9	2A	3809	-	-	2/28/71/71	0/3/4/4
57	WC9	1A	4098	-	-	3/28/71/71	0/3/4/4

The worst 5 of 10 bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
57	2A	3809	WC9	CAM-CBF	-4.74	1.40	1.51
57	1A	4098	WC9	CAM-CBF	-4.54	1.40	1.51
57	1A	4098	WC9	CD2-CAZ	-2.90	1.50	1.53
57	1A	4098	WC9	CAF-CAE	-2.85	1.48	1.53
57	2A	3809	WC9	OAW-CB	2.81	1.45	1.42

The worst 5 of 9 bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
57	2A	3809	WC9	CBC-CBB-CAZ	-3.14	110.58	116.68
57	1A	4098	WC9	CBC-CBB-CAZ	-3.05	110.77	116.68
57	1A	4098	WC9	CAF-OAA-CAB	-2.99	110.25	114.17
57	1A	4098	WC9	OAA-CAF-CAE	-2.79	106.47	110.32
57	2A	3809	WC9	CAF-OAA-CAB	-2.61	110.75	114.17

There are no chirality outliers.

All (5) torsion outliers are listed below:

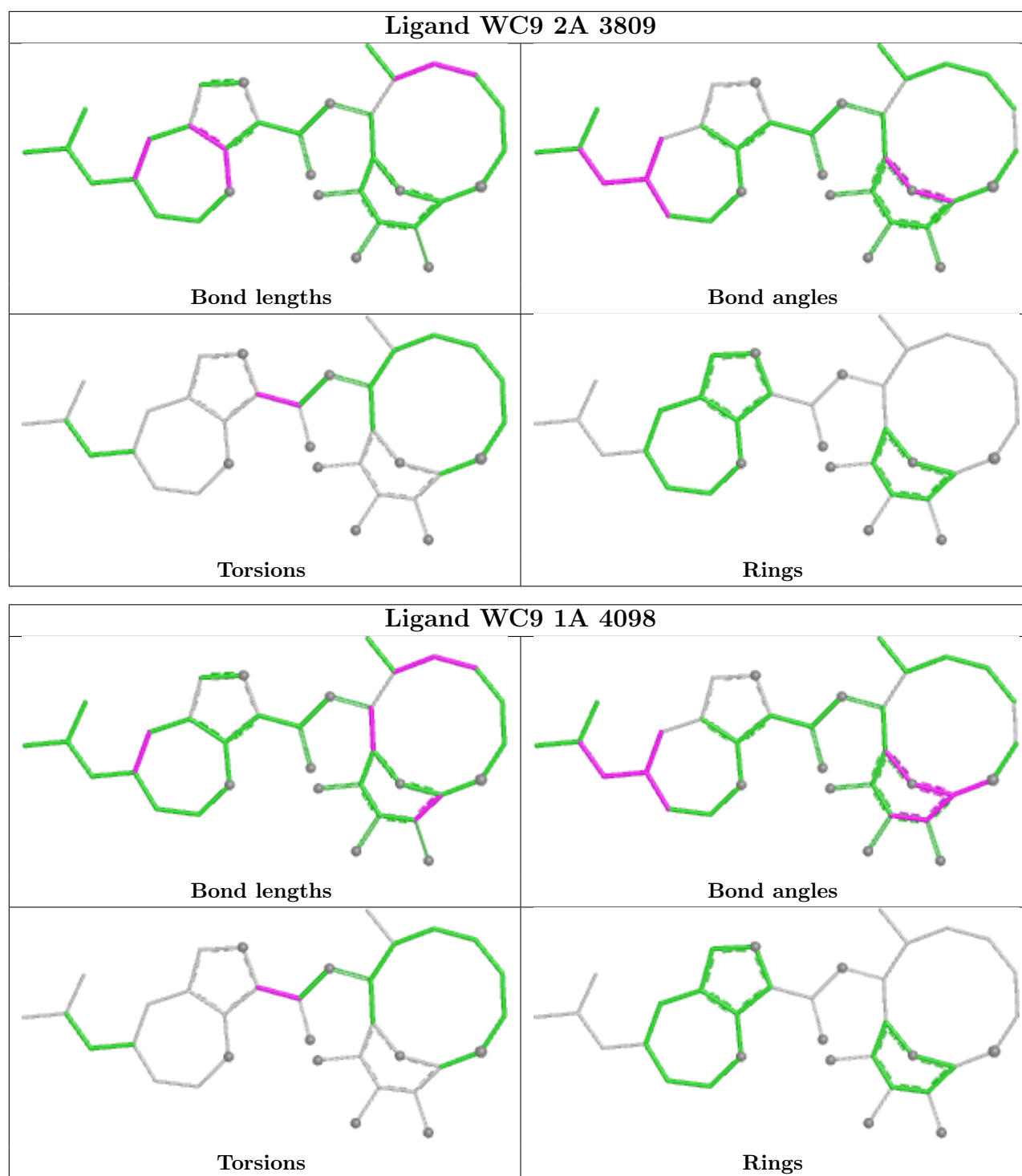
Mol	Chain	Res	Type	Atoms
57	1A	4098	WC9	O-C-CA-CB
57	2A	3809	WC9	O-C-CA-CB
57	1A	4098	WC9	NAL-C-CA-CB
57	2A	3809	WC9	NAL-C-CA-CB
57	1A	4098	WC9	O-C-CA-N

There are no ring outliers.

2 monomers are involved in 5 short contacts:

Mol	Chain	Res	Type	Clashes	Symm-Clashes
57	2A	3809	WC9	4	0
57	1A	4098	WC9	1	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 ⓘ

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	2859/2915 (98%)	-0.46	162 (5%)	29	29	24, 40, 98, 110	0
1	2A	2788/2915 (95%)	0.01	139 (4%)	34	33	35, 58, 96, 108	0
2	1B	120/121 (99%)	-0.28	0	100	100	35, 53, 67, 93	0
2	2B	120/121 (99%)	0.53	0	100	100	62, 75, 85, 97	0
3	1D	275/276 (99%)	-0.09	4 (1%)	72	73	24, 40, 53, 82	0
3	2D	275/276 (99%)	0.25	7 (2%)	58	59	33, 50, 62, 82	0
4	1E	204/206 (99%)	-0.13	2 (0%)	79	80	23, 42, 61, 74	0
4	2E	204/206 (99%)	0.58	7 (3%)	48	49	39, 60, 73, 83	0
5	1F	203/210 (96%)	0.14	7 (3%)	48	49	22, 46, 70, 89	0
5	2F	203/210 (96%)	0.63	10 (4%)	35	34	36, 68, 81, 87	0
6	1G	181/182 (99%)	0.67	11 (6%)	27	26	42, 62, 75, 89	0
6	2G	181/182 (99%)	1.35	29 (16%)	5	4	67, 77, 85, 92	0
7	1H	174/180 (96%)	0.30	3 (1%)	69	69	40, 55, 67, 77	0
7	2H	174/180 (96%)	1.91	70 (40%)	0	0	71, 85, 94, 96	0
8	1I	146/148 (98%)	0.99	7 (4%)	35	35	48, 75, 83, 86	0
8	2I	146/148 (98%)	1.07	13 (8%)	15	14	52, 74, 83, 88	0
9	1N	140/140 (100%)	-0.04	2 (1%)	73	74	30, 41, 61, 76	0
9	2N	140/140 (100%)	0.87	5 (3%)	46	47	52, 67, 80, 88	0
10	1O	122/122 (100%)	-0.04	1 (0%)	82	84	31, 43, 60, 66	0
10	2O	122/122 (100%)	0.63	3 (2%)	58	59	48, 61, 72, 76	0
11	1P	149/150 (99%)	0.21	2 (1%)	75	75	25, 50, 71, 78	0
11	2P	149/150 (99%)	0.83	11 (7%)	20	19	40, 68, 85, 91	0
12	1Q	141/141 (100%)	0.12	5 (3%)	47	48	30, 44, 62, 74	0
12	2Q	141/141 (100%)	1.11	20 (14%)	6	5	54, 68, 79, 88	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
13	1R	118/118 (100%)	-0.22	1 (0%) 82 84	28, 38, 51, 61	0
13	2R	118/118 (100%)	0.36	2 (1%) 69 69	44, 54, 64, 74	0
14	1S	110/112 (98%)	0.34	1 (0%) 81 83	42, 53, 66, 69	0
14	2S	110/112 (98%)	1.13	12 (10%) 10 10	63, 73, 79, 85	0
15	1T	131/146 (89%)	0.29	6 (4%) 37 38	36, 49, 74, 83	0
15	2T	131/146 (89%)	0.79	8 (6%) 27 26	52, 65, 79, 85	0
16	1U	116/118 (98%)	-0.33	1 (0%) 81 83	25, 33, 46, 68	0
16	2U	116/118 (98%)	0.67	3 (2%) 57 58	47, 63, 77, 83	0
17	1V	101/101 (100%)	-0.27	1 (0%) 79 80	25, 41, 58, 68	0
17	2V	101/101 (100%)	0.83	4 (3%) 42 43	44, 73, 81, 93	0
18	1W	112/113 (99%)	-0.24	1 (0%) 81 83	27, 34, 54, 82	0
18	2W	112/113 (99%)	0.28	2 (1%) 67 68	43, 51, 67, 95	0
19	1X	95/96 (98%)	0.11	3 (3%) 50 51	31, 44, 69, 84	0
19	2X	95/96 (98%)	0.67	5 (5%) 32 31	46, 61, 75, 86	0
20	1Y	107/110 (97%)	0.45	3 (2%) 55 56	37, 52, 69, 78	0
20	2Y	107/110 (97%)	1.18	17 (15%) 5 4	57, 71, 83, 90	0
21	1Z	154/206 (74%)	1.05	23 (14%) 5 5	40, 67, 89, 93	0
21	2Z	160/206 (77%)	2.00	71 (44%) 0 0	70, 84, 93, 96	0
22	10	77/85 (90%)	0.02	1 (1%) 75 75	30, 41, 55, 72	0
22	20	83/85 (97%)	1.33	13 (15%) 5 4	46, 65, 78, 87	0
23	11	97/98 (98%)	0.33	1 (1%) 79 80	31, 47, 75, 80	0
23	21	97/98 (98%)	0.53	1 (1%) 79 80	39, 55, 75, 80	0
24	12	70/72 (97%)	0.50	2 (2%) 53 55	41, 53, 65, 76	0
24	22	70/72 (97%)	0.85	2 (2%) 53 55	58, 72, 80, 85	0
25	13	59/60 (98%)	-0.02	3 (5%) 33 33	28, 38, 62, 81	0
25	23	59/60 (98%)	0.90	4 (6%) 23 22	60, 68, 81, 89	0
26	14	69/71 (97%)	1.34	15 (21%) 2 2	57, 77, 90, 95	0
26	24	69/71 (97%)	1.82	24 (34%) 1 0	76, 87, 95, 98	0
27	15	59/60 (98%)	-0.28	1 (1%) 69 69	24, 35, 53, 60	0
27	25	59/60 (98%)	0.32	2 (3%) 48 49	41, 53, 68, 82	0
28	16	53/54 (98%)	-0.11	0 100 100	37, 45, 58, 63	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
28	26	53/54 (98%)	0.59	1 (1%) 66 66	48, 61, 70, 75	0
29	17	48/49 (97%)	0.02	4 (8%) 17 17	24, 31, 64, 70	0
29	27	48/49 (97%)	0.36	4 (8%) 17 17	36, 42, 70, 76	0
30	18	64/65 (98%)	-0.21	0 100 100	29, 37, 44, 58	0
30	28	64/65 (98%)	0.62	0 100 100	48, 56, 64, 70	0
31	19	37/37 (100%)	-0.11	0 100 100	34, 42, 59, 62	0
31	29	37/37 (100%)	1.21	4 (10%) 11 10	66, 72, 79, 83	0
32	1a	1488/1521 (97%)	0.30	60 (4%) 42 43	38, 69, 96, 108	0
32	2a	1491/1521 (98%)	0.58	96 (6%) 25 24	48, 75, 96, 109	0
33	1b	231/256 (90%)	1.63	70 (30%) 1 0	67, 81, 90, 94	0
33	2b	231/256 (90%)	1.89	95 (41%) 0 0	73, 85, 91, 95	0
34	1c	206/239 (86%)	1.21	30 (14%) 6 5	64, 76, 86, 95	0
34	2c	206/239 (86%)	1.97	98 (47%) 0 0	75, 83, 90, 92	0
35	1d	208/209 (99%)	1.18	36 (17%) 4 3	55, 72, 81, 90	0
35	2d	208/209 (99%)	0.91	5 (2%) 59 61	60, 68, 76, 82	0
36	1e	148/162 (91%)	0.86	8 (5%) 31 31	53, 67, 77, 84	0
36	2e	148/162 (91%)	1.30	18 (12%) 8 7	60, 74, 82, 86	0
37	1f	100/101 (99%)	0.92	8 (8%) 18 18	59, 70, 78, 83	0
37	2f	100/101 (99%)	0.67	1 (1%) 79 80	60, 69, 77, 84	0
38	1g	155/156 (99%)	1.05	22 (14%) 6 5	64, 73, 85, 89	0
38	2g	155/156 (99%)	1.25	28 (18%) 3 3	68, 78, 88, 93	0
39	1h	137/138 (99%)	0.79	3 (2%) 62 63	55, 68, 74, 80	0
39	2h	137/138 (99%)	1.25	17 (12%) 8 7	67, 76, 81, 87	0
40	1i	127/128 (99%)	1.54	29 (22%) 2 2	59, 80, 87, 89	0
40	2i	127/128 (99%)	2.00	63 (49%) 0 0	72, 84, 90, 91	0
41	1j	97/105 (92%)	1.82	30 (30%) 1 0	59, 80, 89, 93	0
41	2j	96/105 (91%)	2.36	60 (62%) 0 0	75, 86, 92, 95	0
42	1k	114/129 (88%)	0.80	12 (10%) 11 11	45, 67, 78, 84	0
42	2k	114/129 (88%)	1.09	14 (12%) 8 7	55, 72, 82, 86	0
43	1l	121/132 (91%)	0.40	4 (3%) 49 50	46, 56, 70, 75	0
43	2l	121/132 (91%)	0.99	10 (8%) 17 17	54, 67, 78, 83	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
44	1m	123/126 (97%)	1.08	11 (8%) 15 14	58, 73, 82, 90	0
44	2m	122/126 (96%)	1.78	37 (30%) 1 0	72, 83, 87, 93	0
45	1n	60/61 (98%)	1.39	12 (20%) 3 2	63, 72, 78, 80	0
45	2n	60/61 (98%)	2.62	45 (75%) 0 0	76, 83, 89, 93	0
46	1o	88/89 (98%)	0.83	6 (6%) 23 22	49, 67, 75, 82	0
46	2o	88/89 (98%)	0.90	4 (4%) 38 38	60, 72, 82, 85	0
47	1p	82/88 (93%)	1.46	13 (15%) 5 4	59, 72, 81, 86	0
47	2p	82/88 (93%)	1.09	7 (8%) 16 16	59, 69, 77, 82	0
48	1q	99/105 (94%)	0.91	4 (4%) 42 43	55, 68, 77, 80	0
48	2q	99/105 (94%)	0.88	5 (5%) 33 33	61, 72, 82, 84	0
49	1r	68/88 (77%)	0.79	4 (5%) 28 27	59, 67, 79, 82	0
49	2r	68/88 (77%)	0.82	2 (2%) 53 55	61, 70, 79, 83	0
50	1s	83/93 (89%)	1.13	8 (9%) 13 13	66, 76, 83, 89	0
50	2s	83/93 (89%)	2.19	45 (54%) 0 0	78, 86, 91, 96	0
51	1t	96/106 (90%)	1.34	21 (21%) 2 2	62, 73, 83, 85	0
51	2t	96/106 (90%)	1.12	11 (11%) 9 8	59, 71, 84, 85	0
52	1u	23/27 (85%)	1.32	5 (21%) 2 2	66, 70, 74, 79	0
52	2u	23/27 (85%)	2.50	17 (73%) 0 0	73, 79, 83, 85	0
53	1v	13/24 (54%)	0.37	0 100 100	50, 59, 81, 94	0
53	2v	13/24 (54%)	1.13	3 (23%) 2 1	64, 74, 92, 100	0
54	1w	65/76 (85%)	0.81	8 (12%) 8 7	58, 87, 98, 104	0
54	1y	67/76 (88%)	1.04	8 (11%) 9 8	39, 94, 101, 104	0
54	2w	62/76 (81%)	1.24	11 (17%) 4 3	74, 93, 102, 106	0
54	2y	66/76 (86%)	1.30	11 (16%) 4 3	52, 98, 103, 106	0
55	1x	71/77 (92%)	0.16	2 (2%) 55 56	32, 63, 81, 90	0
55	2x	71/77 (92%)	0.43	3 (4%) 40 41	49, 76, 88, 101	0
All	All	20860/21748 (95%)	0.49	1886 (9%) 15 14	22, 65, 90, 110	0

The worst 5 of 1886 RSRZ outliers are listed below:

Mol	Chain	Res	Type	RSRZ
44	2m	123	ALA	10.0
1	1A	653	A	8.5

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Mol	Chain	Res	Type	RSRZ
45	2n	2	ALA	8.0
1	2A	652(U)	G	7.7
1	2A	652(V)	C	7.6

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

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

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
54	PSU	2y	55	20/21	0.46	0.17	96,101,110,117	0
54	G7M	2w	46	24/25	0.58	0.16	86,98,107,118	0
54	4SU	2y	8	20/21	0.61	0.15	94,99,103,117	0
54	5MU	1y	54	21/22	0.61	0.15	88,94,106,116	0
54	G7M	2y	46	24/25	0.64	0.16	96,99,105,124	0
54	G7M	1y	46	24/25	0.65	0.17	91,97,103,117	0
54	G7M	1w	46	24/25	0.65	0.16	72,89,108,125	0
54	5MU	2y	54	21/22	0.67	0.15	93,98,108,122	0
54	PSU	1y	55	20/21	0.68	0.13	91,98,108,119	0
54	MIA	2y	37	22/30	0.69	0.16	83,93,104,117	0
54	4SU	1y	8	20/21	0.69	0.14	92,96,103,107	0
54	PSU	2y	32	20/21	0.72	0.17	86,92,101,110	0
54	PSU	2w	55	20/21	0.77	0.13	82,89,98,101	0
54	4SU	2w	8	20/21	0.78	0.14	92,97,102,108	0
54	PSU	1y	39	20/21	0.79	0.14	84,87,98,100	0
54	MIA	1y	37	22/30	0.80	0.15	81,88,95,103	0
54	PSU	2y	39	20/21	0.84	0.13	84,89,97,104	0
54	5MU	2w	54	21/22	0.85	0.12	78,82,89,93	0
32	2MG	2a	1207	24/25	0.86	0.13	76,86,89,90	0
54	PSU	1w	55	20/21	0.86	0.11	68,79,86,88	0
54	PSU	1y	32	20/21	0.87	0.13	80,88,92,96	0
54	MIA	2w	37	25/30	0.87	0.15	61,76,87,107	0
54	PSU	2w	32	20/21	0.88	0.13	76,85,97,99	0
55	PSU	2x	55	20/21	0.89	0.11	69,75,83,89	0
55	5MU	2x	54	21/22	0.89	0.12	69,79,83,86	0
54	MIA	1w	37	29/30	0.90	0.15	52,60,77,90	0
54	4SU	1w	8	20/21	0.90	0.11	80,85,90,92	0
32	G7M	2a	527	24/25	0.91	0.14	57,66,70,74	0
55	PSU	1x	55	20/21	0.91	0.10	56,62,72,77	0
55	4SU	2x	8	20/21	0.91	0.11	73,81,85,85	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
43	0TD	1l	92	10/11	0.92	0.11	48,53,57,74	0
32	5MC	2a	967	21/22	0.92	0.14	63,70,81,84	0
55	5MU	1x	54	21/22	0.92	0.10	58,64,73,74	0
32	5MC	2a	1400	21/22	0.92	0.15	65,70,73,77	0
1	5MU	2A	1915	21/22	0.92	0.11	65,69,75,76	0
32	M2G	2a	966	25/26	0.93	0.15	61,68,80,84	0
54	PSU	1w	32	20/21	0.93	0.11	63,71,81,82	0
55	5MC	2x	32	21/22	0.93	0.12	68,71,77,79	0
1	PSU	2A	1917	20/21	0.93	0.10	57,62,73,75	0
54	5MU	1w	54	21/22	0.93	0.10	57,70,73,78	0
32	5MC	2a	1404	21/22	0.93	0.11	48,54,59,63	0
1	PSU	2A	1911	20/21	0.94	0.09	59,62,67,71	0
55	5MC	1x	32	21/22	0.94	0.13	54,59,63,71	0
32	4OC	2a	1402	22/23	0.94	0.10	54,61,67,68	0
32	M2G	1a	966	25/26	0.94	0.12	45,53,63,69	0
1	OMC	2A	1920	21/22	0.94	0.10	54,62,64,65	0
1	MA6	2A	2058	24/25	0.94	0.11	38,49,57,59	0
32	PSU	2a	516	20/21	0.94	0.10	64,72,76,82	0
54	PSU	2w	39	20/21	0.94	0.10	65,81,87,87	0
32	2MG	1a	1207	24/25	0.94	0.10	67,74,77,79	0
32	G7M	1a	527	24/25	0.94	0.10	48,53,59,63	0
55	4SU	1x	8	20/21	0.94	0.09	55,63,67,67	0
32	UR3	2a	1498	21/22	0.95	0.11	53,59,63,68	0
32	MA6	2a	1518	24/25	0.95	0.12	51,64,71,75	0
43	0TD	2l	92	10/11	0.95	0.11	65,68,71,74	0
32	5MC	1a	967	21/22	0.95	0.12	47,54,62,67	0
1	5MU	1A	1915	21/22	0.95	0.09	50,56,59,61	0
32	PSU	1a	516	20/21	0.95	0.08	50,60,64,65	0
32	5MC	2a	1407	21/22	0.95	0.10	48,55,60,66	0
55	31H	2x	76	32/33	0.96	0.09	41,47,60,65	0
1	5MC	2A	1962	21/22	0.96	0.09	39,50,58,68	0
32	MA6	2a	1519	24/25	0.96	0.13	54,61,69,72	0
55	31H	1x	76	32/33	0.96	0.09	24,31,38,47	10
1	PSU	1A	1917	20/21	0.96	0.08	46,52,57,58	0
54	PSU	1w	39	20/21	0.96	0.08	56,68,73,81	0
1	MA6	1A	2058	24/25	0.96	0.11	25,38,41,42	0
1	5MC	2A	1942	21/22	0.96	0.08	53,59,63,63	0
1	5MC	1A	1962	21/22	0.97	0.07	31,39,43,52	0
1	2MA	2A	2503	23/24	0.97	0.09	37,41,44,45	0
1	OMU	2A	2552	21/22	0.97	0.08	39,46,51,55	0
1	PSU	2A	2605	20/21	0.97	0.08	37,41,49,50	0
32	5MC	1a	1400	21/22	0.97	0.08	48,53,57,60	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
32	4OC	1a	1402	22/23	0.97	0.08	43,49,51,54	0
32	5MC	1a	1404	21/22	0.97	0.07	34,43,47,48	0
32	5MC	1a	1407	21/22	0.97	0.08	36,44,46,49	0
32	MA6	1a	1519	24/25	0.97	0.09	41,46,50,53	0
1	5MU	2A	1939	21/22	0.97	0.08	33,39,46,50	0
1	PSU	1A	1911	20/21	0.97	0.07	40,48,54,54	0
1	5MC	1A	1942	21/22	0.97	0.09	36,41,47,51	0
1	OMG	2A	2251	24/25	0.98	0.07	39,44,48,50	0
1	OMG	1A	2251	24/25	0.98	0.05	24,27,32,32	0
32	UR3	1a	1498	21/22	0.98	0.07	40,44,48,54	0
32	MA6	1a	1518	24/25	0.98	0.08	38,42,47,47	0
1	2MA	1A	2503	23/24	0.98	0.06	23,27,29,30	0
1	OMU	1A	2552	21/22	0.98	0.07	27,32,34,38	0
1	PSU	1A	2605	20/21	0.98	0.06	24,29,36,37	0
1	5MU	1A	1939	21/22	0.98	0.07	27,32,37,38	0
1	OMC	1A	1920	21/22	0.98	0.06	41,46,48,48	0

6.3 Carbohydrates

There are no oligosaccharides in this entry.

6.4 Ligands

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

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3643	1/1	0.44	0.30	85,85,85,85	0
56	MG	2a	1801	1/1	0.48	0.30	89,89,89,89	0
56	MG	1A	4061	1/1	0.49	0.25	79,79,79,79	0
56	MG	1A	4090	1/1	0.50	0.27	85,85,85,85	0
56	MG	1A	4073	1/1	0.52	0.28	86,86,86,86	0
56	MG	1a	1793	1/1	0.52	0.29	83,83,83,83	0
56	MG	1A	3703	1/1	0.53	0.28	56,56,56,56	0
56	MG	2a	1753	1/1	0.54	0.18	92,92,92,92	0
56	MG	1A	4007	1/1	0.56	0.16	69,69,69,69	0
56	MG	1A	4024	1/1	0.56	0.19	62,62,62,62	0
56	MG	2A	3085	1/1	0.56	0.18	87,87,87,87	0
56	MG	1A	3966	1/1	0.57	0.24	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	1Y	202	1/1	0.59	0.21	79,79,79,79	0
56	MG	1A	4072	1/1	0.59	0.27	78,78,78,78	0
56	MG	2a	1827	1/1	0.59	0.27	81,81,81,81	0
56	MG	2a	1811	1/1	0.60	0.29	82,82,82,82	0
56	MG	2A	3532	1/1	0.60	0.23	69,69,69,69	0
56	MG	2A	3714	1/1	0.61	0.23	82,82,82,82	0
56	MG	2d	302	1/1	0.61	0.29	68,68,68,68	0
56	MG	2A	3295	1/1	0.62	0.23	79,79,79,79	0
56	MG	1B	229	1/1	0.62	0.20	87,87,87,87	0
56	MG	1A	4056	1/1	0.62	0.17	65,65,65,65	0
56	MG	1A	3349	1/1	0.63	0.22	64,64,64,64	0
56	MG	2a	1769	1/1	0.63	0.24	69,69,69,69	0
56	MG	2a	1622	1/1	0.63	0.17	73,73,73,73	0
56	MG	2A	3620	1/1	0.64	0.21	78,78,78,78	0
56	MG	2A	3244	1/1	0.64	0.35	79,79,79,79	0
56	MG	1A	3808	1/1	0.64	0.24	73,73,73,73	0
56	MG	2a	1820	1/1	0.64	0.23	74,74,74,74	0
56	MG	2A	3379	1/1	0.64	0.22	64,64,64,64	0
56	MG	1A	4012	1/1	0.64	0.16	80,80,80,80	0
56	MG	2a	1734	1/1	0.65	0.27	67,67,67,67	0
56	MG	1B	233	1/1	0.65	0.23	68,68,68,68	0
56	MG	2A	3732	1/1	0.65	0.31	72,72,72,72	0
56	MG	2A	3297	1/1	0.65	0.32	84,84,84,84	0
56	MG	1A	4076	1/1	0.66	0.17	76,76,76,76	0
56	MG	2j	201	1/1	0.66	0.18	85,85,85,85	0
56	MG	2a	1804	1/1	0.67	0.32	79,79,79,79	0
56	MG	2B	211	1/1	0.67	0.28	79,79,79,79	0
56	MG	1a	1721	1/1	0.67	0.34	88,88,88,88	0
56	MG	1A	3982	1/1	0.68	0.23	69,69,69,69	0
56	MG	2A	3615	1/1	0.69	0.24	60,60,60,60	0
56	MG	2v	102	1/1	0.69	0.39	83,83,83,83	0
56	MG	2a	1624	1/1	0.70	0.26	84,84,84,84	0
56	MG	1A	3802	1/1	0.70	0.21	62,62,62,62	0
56	MG	2A	3345	1/1	0.70	0.21	76,76,76,76	0
56	MG	2a	1755	1/1	0.70	0.20	84,84,84,84	0
56	MG	1A	3293	1/1	0.70	0.51	85,85,85,85	0
56	MG	2A	3058	1/1	0.70	0.30	85,85,85,85	0
56	MG	1A	3088	1/1	0.70	0.22	58,58,58,58	0
56	MG	2A	3163	1/1	0.70	0.27	77,77,77,77	0
56	MG	2A	3169	1/1	0.70	0.16	66,66,66,66	0
56	MG	2A	3188	1/1	0.70	0.33	68,68,68,68	0
56	MG	1A	3094	1/1	0.70	0.18	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	3273	1/1	0.70	0.36	77,77,77,77	0
56	MG	1a	1635	1/1	0.70	0.31	68,68,68,68	0
56	MG	2A	3195	1/1	0.71	0.17	74,74,74,74	0
56	MG	2A	3336	1/1	0.71	0.43	78,78,78,78	0
56	MG	2A	3205	1/1	0.71	0.33	78,78,78,78	0
56	MG	2a	1781	1/1	0.71	0.28	79,79,79,79	0
56	MG	2a	1797	1/1	0.71	0.23	83,83,83,83	0
56	MG	2A	3046	1/1	0.71	0.24	74,74,74,74	0
56	MG	2A	3794	1/1	0.71	0.18	58,58,58,58	0
56	MG	2A	3502	1/1	0.71	0.26	63,63,63,63	0
56	MG	1A	3875	1/1	0.71	0.19	35,35,35,35	0
56	MG	2a	1822	1/1	0.71	0.39	77,77,77,77	0
56	MG	2A	3544	1/1	0.71	0.28	64,64,64,64	0
56	MG	2a	1646	1/1	0.71	0.40	79,79,79,79	0
56	MG	2a	1722	1/1	0.71	0.47	72,72,72,72	0
56	MG	1A	3765	1/1	0.71	0.14	24,24,24,24	0
56	MG	2A	3770	1/1	0.72	0.23	78,78,78,78	0
56	MG	1A	3830	1/1	0.72	0.20	66,66,66,66	0
56	MG	1A	4041	1/1	0.72	0.26	75,75,75,75	0
56	MG	2a	1603	1/1	0.72	0.28	85,85,85,85	0
56	MG	2a	1616	1/1	0.72	0.29	77,77,77,77	0
56	MG	2A	3530	1/1	0.72	0.21	78,78,78,78	0
56	MG	1A	3794	1/1	0.72	0.18	66,66,66,66	0
56	MG	1a	1662	1/1	0.72	0.31	66,66,66,66	0
56	MG	2a	1670	1/1	0.73	0.31	76,76,76,76	0
56	MG	2a	1690	1/1	0.73	0.24	80,80,80,80	0
56	MG	2a	1716	1/1	0.73	0.24	72,72,72,72	0
56	MG	1A	4040	1/1	0.73	0.15	69,69,69,69	0
56	MG	2A	3057	1/1	0.73	0.27	66,66,66,66	0
56	MG	1O	206	1/1	0.73	0.24	70,70,70,70	0
56	MG	2A	3671	1/1	0.73	0.20	72,72,72,72	0
56	MG	1A	3993	1/1	0.73	0.14	67,67,67,67	0
56	MG	1A	4046	1/1	0.73	0.27	47,47,47,47	0
56	MG	1A	4087	1/1	0.73	0.25	68,68,68,68	0
56	MG	2A	3771	1/1	0.73	0.14	68,68,68,68	0
56	MG	1A	4019	1/1	0.73	0.14	45,45,45,45	0
56	MG	2A	3383	1/1	0.73	0.22	66,66,66,66	0
56	MG	2A	3455	1/1	0.73	0.21	79,79,79,79	0
56	MG	1a	1761	1/1	0.73	0.23	83,83,83,83	0
56	MG	1A	3512	1/1	0.73	0.17	64,64,64,64	0
56	MG	2A	3211	1/1	0.73	0.26	76,76,76,76	0
56	MG	2A	3240	1/1	0.73	0.40	84,84,84,84	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2a	1649	1/1	0.73	0.26	77,77,77,77	0
56	MG	2A	3158	1/1	0.74	0.38	79,79,79,79	0
56	MG	1A	4018	1/1	0.74	0.26	64,64,64,64	0
56	MG	1a	1679	1/1	0.74	0.36	69,69,69,69	0
56	MG	2a	1621	1/1	0.74	0.23	83,83,83,83	0
56	MG	1A	3892	1/1	0.74	0.15	57,57,57,57	0
56	MG	2a	1796	1/1	0.74	0.26	67,67,67,67	0
56	MG	2A	3729	1/1	0.74	0.18	63,63,63,63	0
56	MG	2A	3730	1/1	0.74	0.15	80,80,80,80	0
56	MG	2a	1647	1/1	0.74	0.43	83,83,83,83	0
56	MG	1a	1760	1/1	0.74	0.25	66,66,66,66	0
56	MG	2a	1654	1/1	0.74	0.28	84,84,84,84	0
56	MG	1A	3292	1/1	0.74	0.27	55,55,55,55	0
56	MG	2a	1676	1/1	0.74	0.27	66,66,66,66	0
56	MG	2A	3337	1/1	0.74	0.16	76,76,76,76	0
56	MG	2A	3773	1/1	0.74	0.18	67,67,67,67	0
56	MG	2A	3086	1/1	0.74	0.28	72,72,72,72	0
56	MG	2a	1749	1/1	0.75	0.14	80,80,80,80	0
56	MG	2a	1752	1/1	0.75	0.23	90,90,90,90	0
56	MG	1A	3898	1/1	0.75	0.14	48,48,48,48	0
56	MG	2A	3687	1/1	0.75	0.21	51,51,51,51	0
56	MG	1B	230	1/1	0.75	0.11	81,81,81,81	0
56	MG	2a	1771	1/1	0.75	0.35	70,70,70,70	0
56	MG	2a	1634	1/1	0.75	0.42	79,79,79,79	0
56	MG	2a	1784	1/1	0.75	0.34	72,72,72,72	0
56	MG	2a	1792	1/1	0.75	0.34	71,71,71,71	0
56	MG	2A	3171	1/1	0.75	0.18	57,57,57,57	0
56	MG	1A	4033	1/1	0.75	0.16	43,43,43,43	0
56	MG	1O	201	1/1	0.75	0.16	72,72,72,72	0
56	MG	1A	3498	1/1	0.75	0.19	65,65,65,65	0
56	MG	2A	3593	1/1	0.75	0.25	83,83,83,83	0
56	MG	2a	1814	1/1	0.75	0.41	81,81,81,81	0
56	MG	2A	3340	1/1	0.75	0.23	72,72,72,72	0
56	MG	1B	222	1/1	0.75	0.26	80,80,80,80	0
56	MG	2a	1701	1/1	0.75	0.19	68,68,68,68	0
56	MG	2A	3624	1/1	0.75	0.24	61,61,61,61	0
56	MG	1a	1774	1/1	0.75	0.25	70,70,70,70	0
56	MG	2A	3666	1/1	0.75	0.25	72,72,72,72	0
56	MG	2y	103	1/1	0.75	0.16	85,85,85,85	0
56	MG	2A	3190	1/1	0.76	0.26	79,79,79,79	0
56	MG	2A	3322	1/1	0.76	0.30	64,64,64,64	0
56	MG	2a	1626	1/1	0.76	0.29	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	4074	1/1	0.76	0.24	72,72,72,72	0
56	MG	1A	4014	1/1	0.76	0.16	83,83,83,83	0
56	MG	1A	3933	1/1	0.76	0.15	35,35,35,35	0
56	MG	2A	3600	1/1	0.76	0.23	81,81,81,81	0
56	MG	2a	1653	1/1	0.76	0.34	77,77,77,77	0
56	MG	1a	1670	1/1	0.76	0.23	75,75,75,75	0
56	MG	2a	1798	1/1	0.76	0.34	71,71,71,71	0
56	MG	2a	1657	1/1	0.76	0.24	74,74,74,74	0
56	MG	2A	3616	1/1	0.76	0.31	81,81,81,81	0
56	MG	2a	1808	1/1	0.76	0.17	77,77,77,77	0
56	MG	1A	3803	1/1	0.76	0.18	52,52,52,52	0
56	MG	2a	1686	1/1	0.76	0.42	76,76,76,76	0
56	MG	2A	3797	1/1	0.76	0.18	68,68,68,68	0
56	MG	1a	1694	1/1	0.76	0.31	72,72,72,72	0
56	MG	2F	302	1/1	0.76	0.17	76,76,76,76	0
56	MG	2A	3408	1/1	0.76	0.26	77,77,77,77	0
56	MG	2a	1612	1/1	0.76	0.24	76,76,76,76	0
56	MG	2A	3418	1/1	0.76	0.21	72,72,72,72	0
56	MG	1A	3687	1/1	0.76	0.14	70,70,70,70	0
56	MG	2A	3589	1/1	0.77	0.17	60,60,60,60	0
56	MG	2a	1770	1/1	0.77	0.21	77,77,77,77	0
56	MG	1A	3413	1/1	0.77	0.15	55,55,55,55	0
56	MG	2A	3599	1/1	0.77	0.23	72,72,72,72	0
56	MG	1A	3680	1/1	0.77	0.20	72,72,72,72	0
56	MG	1A	3942	1/1	0.77	0.19	78,78,78,78	0
56	MG	2A	3263	1/1	0.77	0.36	73,73,73,73	0
56	MG	2A	3404	1/1	0.77	0.22	66,66,66,66	0
56	MG	2a	1671	1/1	0.77	0.25	72,72,72,72	0
56	MG	1x	109	1/1	0.77	0.32	76,76,76,76	0
56	MG	2A	3279	1/1	0.77	0.21	76,76,76,76	0
56	MG	2a	1611	1/1	0.77	0.29	81,81,81,81	0
56	MG	2a	1698	1/1	0.77	0.29	77,77,77,77	0
56	MG	2A	3432	1/1	0.77	0.26	75,75,75,75	0
56	MG	2A	3026	1/1	0.77	0.22	79,79,79,79	0
56	MG	2A	3680	1/1	0.77	0.15	69,69,69,69	0
56	MG	1A	3835	1/1	0.77	0.15	73,73,73,73	0
56	MG	1A	3466	1/1	0.77	0.24	67,67,67,67	0
56	MG	1A	3232	1/1	0.77	0.22	66,66,66,66	0
56	MG	1B	221	1/1	0.77	0.14	66,66,66,66	0
56	MG	2a	1636	1/1	0.77	0.23	71,71,71,71	0
56	MG	2a	1745	1/1	0.78	0.29	79,79,79,79	0
56	MG	1A	4091	1/1	0.78	0.19	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	3939	1/1	0.78	0.14	71,71,71,71	0
56	MG	1A	3404	1/1	0.78	0.23	54,54,54,54	0
56	MG	2a	1754	1/1	0.78	0.14	70,70,70,70	0
56	MG	1a	1677	1/1	0.78	0.32	63,63,63,63	0
56	MG	2a	1763	1/1	0.78	0.23	74,74,74,74	0
56	MG	2A	3080	1/1	0.78	0.23	66,66,66,66	0
56	MG	2A	3245	1/1	0.78	0.21	78,78,78,78	0
56	MG	2a	1630	1/1	0.78	0.36	82,82,82,82	0
56	MG	2A	3692	1/1	0.78	0.18	75,75,75,75	0
56	MG	1A	3862	1/1	0.78	0.18	53,53,53,53	0
56	MG	2a	1785	1/1	0.78	0.21	76,76,76,76	0
56	MG	2A	3725	1/1	0.78	0.15	57,57,57,57	0
56	MG	2A	3264	1/1	0.78	0.32	78,78,78,78	0
56	MG	1A	3970	1/1	0.78	0.19	71,71,71,71	0
56	MG	2A	3105	1/1	0.78	0.35	73,73,73,73	0
56	MG	2A	3739	1/1	0.78	0.22	70,70,70,70	0
56	MG	2A	3130	1/1	0.78	0.41	78,78,78,78	0
56	MG	2A	3559	1/1	0.78	0.29	70,70,70,70	0
56	MG	1A	3026	1/1	0.78	0.34	68,68,68,68	0
56	MG	2A	3313	1/1	0.78	0.37	74,74,74,74	0
56	MG	2a	1816	1/1	0.78	0.29	75,75,75,75	0
56	MG	1A	3807	1/1	0.78	0.24	76,76,76,76	0
56	MG	1A	3523	1/1	0.78	0.13	59,59,59,59	0
56	MG	2D	303	1/1	0.78	0.18	65,65,65,65	0
56	MG	1A	3350	1/1	0.78	0.30	71,71,71,71	0
56	MG	14	101	1/1	0.78	0.20	81,81,81,81	0
56	MG	2a	1607	1/1	0.78	0.26	79,79,79,79	0
56	MG	1a	1632	1/1	0.78	0.31	83,83,83,83	0
56	MG	1A	3358	1/1	0.79	0.20	59,59,59,59	0
56	MG	1A	3945	1/1	0.79	0.19	69,69,69,69	0
56	MG	1a	1736	1/1	0.79	0.35	81,81,81,81	0
56	MG	2A	3097	1/1	0.79	0.33	68,68,68,68	0
56	MG	1a	1749	1/1	0.79	0.20	74,74,74,74	0
56	MG	1A	3810	1/1	0.79	0.22	65,65,65,65	0
56	MG	2A	3475	1/1	0.79	0.18	70,70,70,70	0
56	MG	1A	3705	1/1	0.79	0.18	58,58,58,58	0
56	MG	2A	3516	1/1	0.79	0.19	55,55,55,55	0
56	MG	1A	3980	1/1	0.79	0.11	33,33,33,33	0
56	MG	2A	3731	1/1	0.79	0.23	69,69,69,69	0
56	MG	1a	1786	1/1	0.79	0.35	64,64,64,64	0
56	MG	2a	1786	1/1	0.79	0.21	77,77,77,77	0
56	MG	2A	3299	1/1	0.79	0.21	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	1656	1/1	0.79	0.13	61,61,61,61	0
56	MG	2A	3568	1/1	0.79	0.25	47,47,47,47	0
56	MG	1A	3923	1/1	0.79	0.14	65,65,65,65	0
56	MG	1A	3553	1/1	0.79	0.45	78,78,78,78	0
56	MG	2a	1803	1/1	0.79	0.36	66,66,66,66	0
56	MG	1D	310	1/1	0.79	0.21	67,67,67,67	0
56	MG	2a	1805	1/1	0.79	0.27	84,84,84,84	0
56	MG	2A	3798	1/1	0.79	0.23	62,62,62,62	0
56	MG	1A	3784	1/1	0.79	0.29	85,85,85,85	0
56	MG	2A	3206	1/1	0.79	0.26	67,67,67,67	0
56	MG	2a	1694	1/1	0.79	0.29	73,73,73,73	0
56	MG	2E	302	1/1	0.79	0.17	76,76,76,76	0
56	MG	2E	307	1/1	0.79	0.24	69,69,69,69	0
56	MG	2A	3352	1/1	0.79	0.30	60,60,60,60	0
56	MG	2a	1602	1/1	0.79	0.17	86,86,86,86	0
56	MG	2a	1723	1/1	0.79	0.31	70,70,70,70	0
56	MG	2l	204	1/1	0.79	0.18	77,77,77,77	0
56	MG	2A	3356	1/1	0.79	0.25	62,62,62,62	0
56	MG	2y	101	1/1	0.79	0.13	85,85,85,85	0
56	MG	2y	102	1/1	0.79	0.39	79,79,79,79	0
56	MG	1a	1686	1/1	0.79	0.20	67,67,67,67	0
56	MG	2A	3496	1/1	0.80	0.16	75,75,75,75	0
56	MG	1A	4079	1/1	0.80	0.18	67,67,67,67	0
56	MG	2a	1737	1/1	0.80	0.36	83,83,83,83	0
56	MG	1E	317	1/1	0.80	0.08	37,37,37,37	0
56	MG	2A	3063	1/1	0.80	0.16	61,61,61,61	0
56	MG	2A	3248	1/1	0.80	0.19	72,72,72,72	0
56	MG	2A	3258	1/1	0.80	0.19	82,82,82,82	0
56	MG	2A	3068	1/1	0.80	0.15	63,63,63,63	0
56	MG	1F	312	1/1	0.80	0.21	60,60,60,60	0
56	MG	1A	4085	1/1	0.80	0.25	40,40,40,40	0
56	MG	1a	1727	1/1	0.80	0.23	66,66,66,66	0
56	MG	2A	3595	1/1	0.80	0.13	75,75,75,75	0
56	MG	2A	3598	1/1	0.80	0.26	75,75,75,75	0
56	MG	1A	3584	1/1	0.80	0.22	67,67,67,67	0
56	MG	2A	3100	1/1	0.80	0.23	81,81,81,81	0
56	MG	1a	1742	1/1	0.80	0.21	68,68,68,68	0
56	MG	2A	3109	1/1	0.80	0.26	73,73,73,73	0
56	MG	2A	3617	1/1	0.80	0.18	82,82,82,82	0
56	MG	1A	3721	1/1	0.80	0.23	62,62,62,62	0
56	MG	2A	3146	1/1	0.80	0.18	64,64,64,64	0
56	MG	1a	1758	1/1	0.80	0.15	70,70,70,70	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3665	1/1	0.80	0.17	76,76,76,76	0
56	MG	2a	1641	1/1	0.80	0.25	73,73,73,73	0
56	MG	1A	4057	1/1	0.80	0.14	25,25,25,25	0
56	MG	1a	1603	1/1	0.80	0.21	68,68,68,68	0
56	MG	2A	3349	1/1	0.80	0.29	63,63,63,63	0
56	MG	1A	3445	1/1	0.80	0.19	69,69,69,69	0
56	MG	2A	3354	1/1	0.80	0.30	54,54,54,54	0
56	MG	1A	3987	1/1	0.80	0.16	30,30,30,30	0
56	MG	1B	228	1/1	0.80	0.15	74,74,74,74	0
56	MG	1x	103	1/1	0.80	0.17	65,65,65,65	0
56	MG	1A	3323	1/1	0.80	0.23	65,65,65,65	0
56	MG	1A	3268	1/1	0.80	0.17	55,55,55,55	0
56	MG	1A	3820	1/1	0.80	0.23	58,58,58,58	0
56	MG	2A	3222	1/1	0.80	0.23	67,67,67,67	0
56	MG	2q	202	1/1	0.80	0.21	83,83,83,83	0
56	MG	2A	3236	1/1	0.80	0.33	73,73,73,73	0
56	MG	2A	3468	1/1	0.80	0.21	69,69,69,69	0
56	MG	2A	3237	1/1	0.80	0.18	67,67,67,67	0
56	MG	2A	3792	1/1	0.80	0.19	77,77,77,77	0
56	MG	1A	3400	1/1	0.81	0.19	59,59,59,59	0
56	MG	1A	3164	1/1	0.81	0.20	63,63,63,63	0
56	MG	1A	3728	1/1	0.81	0.18	65,65,65,65	0
56	MG	1A	3734	1/1	0.81	0.15	56,56,56,56	0
56	MG	2A	3270	1/1	0.81	0.19	72,72,72,72	0
56	MG	1b	301	1/1	0.81	0.19	81,81,81,81	0
56	MG	1A	3838	1/1	0.81	0.14	64,64,64,64	0
56	MG	2A	3164	1/1	0.81	0.33	79,79,79,79	0
56	MG	1A	3187	1/1	0.81	0.16	58,58,58,58	0
56	MG	2A	3793	1/1	0.81	0.24	66,66,66,66	0
56	MG	2A	3536	1/1	0.81	0.19	73,73,73,73	0
56	MG	2A	3795	1/1	0.81	0.19	75,75,75,75	0
56	MG	2A	3540	1/1	0.81	0.26	70,70,70,70	0
56	MG	2A	3298	1/1	0.81	0.23	85,85,85,85	0
56	MG	2B	205	1/1	0.81	0.32	72,72,72,72	0
56	MG	1A	4062	1/1	0.81	0.20	70,70,70,70	0
56	MG	2A	3035	1/1	0.81	0.23	74,74,74,74	0
56	MG	1A	3419	1/1	0.81	0.17	58,58,58,58	0
56	MG	2a	1766	1/1	0.81	0.27	83,83,83,83	0
56	MG	2a	1768	1/1	0.81	0.22	78,78,78,78	0
56	MG	1A	3425	1/1	0.81	0.21	71,71,71,71	0
56	MG	2A	3198	1/1	0.81	0.48	77,77,77,77	0
56	MG	2l	101	1/1	0.81	0.17	58,58,58,58	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3338	1/1	0.81	0.17	62,62,62,62	0
56	MG	1a	1703	1/1	0.81	0.30	81,81,81,81	0
56	MG	2a	1604	1/1	0.81	0.22	82,82,82,82	0
56	MG	2a	1605	1/1	0.81	0.28	69,69,69,69	0
56	MG	2A	3342	1/1	0.81	0.14	79,79,79,79	0
56	MG	1A	3644	1/1	0.81	0.15	59,59,59,59	0
56	MG	1A	3907	1/1	0.81	0.15	39,39,39,39	0
56	MG	2a	1615	1/1	0.81	0.45	78,78,78,78	0
56	MG	2a	1800	1/1	0.81	0.31	67,67,67,67	0
56	MG	2A	3217	1/1	0.81	0.24	86,86,86,86	0
56	MG	2a	1802	1/1	0.81	0.17	69,69,69,69	0
56	MG	2A	3219	1/1	0.81	0.24	75,75,75,75	0
56	MG	2A	3077	1/1	0.81	0.26	63,63,63,63	0
56	MG	2A	3635	1/1	0.81	0.28	74,74,74,74	0
56	MG	2A	3377	1/1	0.81	0.34	64,64,64,64	0
56	MG	2a	1809	1/1	0.81	0.29	77,77,77,77	0
56	MG	2A	3656	1/1	0.81	0.17	52,52,52,52	0
56	MG	1A	3369	1/1	0.81	0.39	66,66,66,66	0
56	MG	1A	3804	1/1	0.81	0.12	55,55,55,55	0
56	MG	2a	1637	1/1	0.81	0.33	61,61,61,61	0
56	MG	2A	3390	1/1	0.81	0.37	62,62,62,62	0
56	MG	2A	3391	1/1	0.81	0.30	76,76,76,76	0
56	MG	1l	102	1/1	0.81	0.22	49,49,49,49	0
56	MG	1A	3385	1/1	0.81	0.29	48,48,48,48	0
56	MG	2A	3701	1/1	0.81	0.22	72,72,72,72	0
56	MG	2A	3707	1/1	0.81	0.22	79,79,79,79	0
56	MG	2A	3709	1/1	0.81	0.32	76,76,76,76	0
56	MG	2w	104	1/1	0.81	0.34	81,81,81,81	0
56	MG	2a	1668	1/1	0.81	0.31	66,66,66,66	0
56	MG	2A	3413	1/1	0.81	0.14	65,65,65,65	0
56	MG	1A	3467	1/1	0.81	0.17	72,72,72,72	0
56	MG	2A	3425	1/1	0.82	0.21	63,63,63,63	0
56	MG	1A	3839	1/1	0.82	0.14	69,69,69,69	0
56	MG	2A	3254	1/1	0.82	0.22	66,66,66,66	0
56	MG	2a	1707	1/1	0.82	0.24	79,79,79,79	0
56	MG	1A	3856	1/1	0.82	0.15	63,63,63,63	0
56	MG	1A	3860	1/1	0.82	0.14	57,57,57,57	0
56	MG	2A	3478	1/1	0.82	0.24	65,65,65,65	0
56	MG	2a	1733	1/1	0.82	0.26	79,79,79,79	0
56	MG	2A	3484	1/1	0.82	0.13	42,42,42,42	0
56	MG	1A	3971	1/1	0.82	0.21	66,66,66,66	0
56	MG	2A	3112	1/1	0.82	0.27	63,63,63,63	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	3426	1/1	0.82	0.17	57,57,57,57	0
56	MG	1a	1782	1/1	0.82	0.14	66,66,66,66	0
56	MG	2A	3287	1/1	0.82	0.21	55,55,55,55	0
56	MG	1A	3874	1/1	0.82	0.15	43,43,43,43	0
56	MG	2A	3800	1/1	0.82	0.28	74,74,74,74	0
56	MG	1A	3676	1/1	0.82	0.17	64,64,64,64	0
56	MG	1A	3742	1/1	0.82	0.25	65,65,65,65	0
56	MG	2A	3547	1/1	0.82	0.22	64,64,64,64	0
56	MG	2A	3552	1/1	0.82	0.14	39,39,39,39	0
56	MG	1w	104	1/1	0.82	0.24	75,75,75,75	0
56	MG	1x	102	1/1	0.82	0.22	68,68,68,68	0
56	MG	2a	1774	1/1	0.82	0.21	66,66,66,66	0
56	MG	2A	3320	1/1	0.82	0.29	77,77,77,77	0
56	MG	2a	1783	1/1	0.82	0.16	60,60,60,60	0
56	MG	1A	3526	1/1	0.82	0.28	59,59,59,59	0
56	MG	2A	3325	1/1	0.82	0.18	67,67,67,67	0
56	MG	2A	3326	1/1	0.82	0.27	80,80,80,80	0
56	MG	2a	1789	1/1	0.82	0.29	77,77,77,77	0
56	MG	2A	3327	1/1	0.82	0.34	54,54,54,54	0
56	MG	1A	3306	1/1	0.82	0.35	63,63,63,63	0
56	MG	2A	3604	1/1	0.82	0.17	67,67,67,67	0
56	MG	2A	3612	1/1	0.82	0.14	58,58,58,58	0
56	MG	2A	3193	1/1	0.82	0.28	72,72,72,72	0
56	MG	1x	113	1/1	0.82	0.19	85,85,85,85	0
56	MG	2A	3197	1/1	0.82	0.12	65,65,65,65	0
56	MG	1A	3583	1/1	0.82	0.25	54,54,54,54	0
56	MG	2A	3203	1/1	0.82	0.17	73,73,73,73	0
56	MG	2A	3625	1/1	0.82	0.15	57,57,57,57	0
56	MG	1A	3833	1/1	0.82	0.25	66,66,66,66	0
56	MG	1A	3327	1/1	0.82	0.31	64,64,64,64	0
56	MG	2A	3644	1/1	0.82	0.32	71,71,71,71	0
56	MG	2A	3049	1/1	0.82	0.25	71,71,71,71	0
56	MG	2A	3213	1/1	0.82	0.16	49,49,49,49	0
56	MG	2A	3215	1/1	0.82	0.45	59,59,59,59	0
56	MG	1a	1705	1/1	0.82	0.11	70,70,70,70	0
56	MG	1a	1718	1/1	0.82	0.15	75,75,75,75	0
56	MG	2A	3682	1/1	0.82	0.18	40,40,40,40	0
56	MG	2A	3389	1/1	0.82	0.29	78,78,78,78	0
56	MG	1O	205	1/1	0.82	0.18	73,73,73,73	0
56	MG	1A	3606	1/1	0.82	0.12	37,37,37,37	0
56	MG	2r	101	1/1	0.82	0.23	82,82,82,82	0
56	MG	1a	1735	1/1	0.82	0.11	70,70,70,70	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1T	201	1/1	0.82	0.19	61,61,61,61	0
56	MG	1A	4086	1/1	0.82	0.20	54,54,54,54	0
56	MG	1a	1748	1/1	0.82	0.17	69,69,69,69	0
56	MG	2A	3420	1/1	0.82	0.28	77,77,77,77	0
56	MG	2A	3083	1/1	0.83	0.16	63,63,63,63	0
56	MG	1A	3958	1/1	0.83	0.17	53,53,53,53	0
56	MG	1A	3846	1/1	0.83	0.13	76,76,76,76	0
56	MG	2A	3096	1/1	0.83	0.30	79,79,79,79	0
56	MG	2A	3429	1/1	0.83	0.14	52,52,52,52	0
56	MG	2a	1689	1/1	0.83	0.29	71,71,71,71	0
56	MG	1a	1725	1/1	0.83	0.21	82,82,82,82	0
56	MG	2A	3433	1/1	0.83	0.24	82,82,82,82	0
56	MG	1B	234	1/1	0.83	0.18	74,74,74,74	0
56	MG	2A	3715	1/1	0.83	0.18	77,77,77,77	0
56	MG	1A	4050	1/1	0.83	0.09	37,37,37,37	0
56	MG	2A	3274	1/1	0.83	0.26	69,69,69,69	0
56	MG	1E	314	1/1	0.83	0.17	69,69,69,69	0
56	MG	1A	3101	1/1	0.83	0.14	66,66,66,66	0
56	MG	2a	1728	1/1	0.83	0.23	67,67,67,67	0
56	MG	1A	3530	1/1	0.83	0.36	72,72,72,72	0
56	MG	2A	3296	1/1	0.83	0.41	84,84,84,84	0
56	MG	2A	3742	1/1	0.83	0.21	52,52,52,52	0
56	MG	2A	3757	1/1	0.83	0.25	69,69,69,69	0
56	MG	2A	3758	1/1	0.83	0.21	49,49,49,49	0
56	MG	1A	3698	1/1	0.83	0.18	59,59,59,59	0
56	MG	2A	3521	1/1	0.83	0.13	62,62,62,62	0
56	MG	1A	3294	1/1	0.83	0.17	55,55,55,55	0
56	MG	2A	3782	1/1	0.83	0.14	69,69,69,69	0
56	MG	1A	3256	1/1	0.83	0.11	41,41,41,41	0
56	MG	2A	3305	1/1	0.83	0.18	61,61,61,61	0
56	MG	2A	3539	1/1	0.83	0.21	70,70,70,70	0
56	MG	2A	3307	1/1	0.83	0.24	68,68,68,68	0
56	MG	1A	3889	1/1	0.83	0.26	49,49,49,49	0
56	MG	1A	3995	1/1	0.83	0.17	56,56,56,56	0
56	MG	1A	3708	1/1	0.83	0.24	60,60,60,60	0
56	MG	2B	203	1/1	0.83	0.28	66,66,66,66	0
56	MG	1A	4008	1/1	0.83	0.11	69,69,69,69	0
56	MG	2B	206	1/1	0.83	0.27	67,67,67,67	0
56	MG	1A	4080	1/1	0.83	0.18	66,66,66,66	0
56	MG	1a	1622	1/1	0.83	0.27	75,75,75,75	0
56	MG	1A	4011	1/1	0.83	0.17	77,77,77,77	0
56	MG	1A	3497	1/1	0.83	0.13	80,80,80,80	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1a	1642	1/1	0.83	0.23	67,67,67,67	0
56	MG	1a	1649	1/1	0.83	0.23	65,65,65,65	0
56	MG	1a	1652	1/1	0.83	0.35	69,69,69,69	0
56	MG	2A	3602	1/1	0.83	0.18	75,75,75,75	0
56	MG	1A	4013	1/1	0.83	0.12	60,60,60,60	0
56	MG	2A	3609	1/1	0.83	0.16	63,63,63,63	0
56	MG	1A	4088	1/1	0.83	0.16	63,63,63,63	0
56	MG	2A	3043	1/1	0.83	0.30	65,65,65,65	0
56	MG	1A	3586	1/1	0.83	0.28	64,64,64,64	0
56	MG	1A	3024	1/1	0.83	0.29	70,70,70,70	0
56	MG	2A	3374	1/1	0.83	0.36	66,66,66,66	0
56	MG	1B	212	1/1	0.83	0.30	68,68,68,68	0
56	MG	1a	1680	1/1	0.83	0.32	63,63,63,63	0
56	MG	2A	3628	1/1	0.83	0.25	71,71,71,71	0
56	MG	1A	3638	1/1	0.83	0.21	70,70,70,70	0
56	MG	2A	3638	1/1	0.83	0.22	67,67,67,67	0
56	MG	2A	3065	1/1	0.83	0.19	60,60,60,60	0
56	MG	2a	1828	1/1	0.83	0.29	79,79,79,79	0
56	MG	2A	3238	1/1	0.83	0.22	75,75,75,75	0
56	MG	2A	3651	1/1	0.83	0.22	65,65,65,65	0
56	MG	1A	3371	1/1	0.83	0.28	62,62,62,62	0
56	MG	2a	1645	1/1	0.83	0.34	72,72,72,72	0
56	MG	2A	3396	1/1	0.83	0.20	66,66,66,66	0
56	MG	1A	3099	1/1	0.83	0.17	69,69,69,69	0
56	MG	1A	3786	1/1	0.83	0.21	61,61,61,61	0
56	MG	2A	3673	1/1	0.83	0.10	78,78,78,78	0
56	MG	2A	3677	1/1	0.83	0.22	69,69,69,69	0
56	MG	2A	3679	1/1	0.83	0.19	82,82,82,82	0
56	MG	1A	3412	1/1	0.84	0.15	65,65,65,65	0
56	MG	1A	3180	1/1	0.84	0.24	56,56,56,56	0
56	MG	1A	3959	1/1	0.84	0.20	65,65,65,65	0
56	MG	1A	3965	1/1	0.84	0.14	74,74,74,74	0
56	MG	2A	3089	1/1	0.84	0.14	48,48,48,48	0
56	MG	2A	3695	1/1	0.84	0.23	69,69,69,69	0
56	MG	2A	3095	1/1	0.84	0.14	73,73,73,73	0
56	MG	1A	3329	1/1	0.84	0.12	47,47,47,47	0
56	MG	2A	3483	1/1	0.84	0.22	66,66,66,66	0
56	MG	1A	3370	1/1	0.84	0.19	59,59,59,59	0
56	MG	1A	3334	1/1	0.84	0.12	53,53,53,53	0
56	MG	2A	3104	1/1	0.84	0.24	75,75,75,75	0
56	MG	2a	1693	1/1	0.84	0.27	72,72,72,72	0
56	MG	2A	3513	1/1	0.84	0.22	76,76,76,76	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2a	1697	1/1	0.84	0.30	74,74,74,74	0
56	MG	1A	3720	1/1	0.84	0.21	73,73,73,73	0
56	MG	10	108	1/1	0.84	0.24	67,67,67,67	0
56	MG	2A	3528	1/1	0.84	0.19	59,59,59,59	0
56	MG	2a	1708	1/1	0.84	0.23	78,78,78,78	0
56	MG	1A	3573	1/1	0.84	0.23	46,46,46,46	0
56	MG	11	104	1/1	0.84	0.17	77,77,77,77	0
56	MG	2A	3145	1/1	0.84	0.34	63,63,63,63	0
56	MG	2a	1726	1/1	0.84	0.30	79,79,79,79	0
56	MG	1A	3984	1/1	0.84	0.18	49,49,49,49	0
56	MG	2A	3147	1/1	0.84	0.21	69,69,69,69	0
56	MG	2A	3153	1/1	0.84	0.17	62,62,62,62	0
56	MG	2A	3546	1/1	0.84	0.29	74,74,74,74	0
56	MG	2a	1739	1/1	0.84	0.43	79,79,79,79	0
56	MG	2a	1743	1/1	0.84	0.21	78,78,78,78	0
56	MG	1a	1777	1/1	0.84	0.22	69,69,69,69	0
56	MG	1a	1602	1/1	0.84	0.28	70,70,70,70	0
56	MG	2A	3553	1/1	0.84	0.14	40,40,40,40	0
56	MG	1A	3438	1/1	0.84	0.17	50,50,50,50	0
56	MG	1a	1788	1/1	0.84	0.19	84,84,84,84	0
56	MG	1a	1791	1/1	0.84	0.13	76,76,76,76	0
56	MG	1A	3376	1/1	0.84	0.24	64,64,64,64	0
56	MG	1A	3994	1/1	0.84	0.15	75,75,75,75	0
56	MG	2B	201	1/1	0.84	0.34	78,78,78,78	0
56	MG	11	202	1/1	0.84	0.17	67,67,67,67	0
56	MG	1A	3465	1/1	0.84	0.32	76,76,76,76	0
56	MG	1A	3594	1/1	0.84	0.14	62,62,62,62	0
56	MG	2B	208	1/1	0.84	0.25	73,73,73,73	0
56	MG	1A	3598	1/1	0.84	0.28	59,59,59,59	0
56	MG	2B	212	1/1	0.84	0.35	78,78,78,78	0
56	MG	2A	3347	1/1	0.84	0.17	57,57,57,57	0
56	MG	2D	306	1/1	0.84	0.29	59,59,59,59	0
56	MG	2A	3199	1/1	0.84	0.32	52,52,52,52	0
56	MG	2A	3350	1/1	0.84	0.31	54,54,54,54	0
56	MG	2a	1791	1/1	0.84	0.23	77,77,77,77	0
56	MG	1A	3348	1/1	0.84	0.21	66,66,66,66	0
56	MG	2a	1795	1/1	0.84	0.22	74,74,74,74	0
56	MG	2G	201	1/1	0.84	0.17	75,75,75,75	0
56	MG	1A	3634	1/1	0.84	0.20	58,58,58,58	0
56	MG	25	101	1/1	0.84	0.28	68,68,68,68	0
56	MG	2A	3015	1/1	0.84	0.24	65,65,65,65	0
56	MG	2A	3362	1/1	0.84	0.38	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	4093	1/1	0.84	0.17	65,65,65,65	0
56	MG	2A	3212	1/1	0.84	0.17	58,58,58,58	0
56	MG	2a	1606	1/1	0.84	0.31	81,81,81,81	0
56	MG	1a	1665	1/1	0.84	0.26	71,71,71,71	0
56	MG	2A	3633	1/1	0.84	0.22	56,56,56,56	0
56	MG	2A	3634	1/1	0.84	0.19	55,55,55,55	0
56	MG	2a	1613	1/1	0.84	0.41	81,81,81,81	0
56	MG	1A	3895	1/1	0.84	0.22	47,47,47,47	0
56	MG	2A	3637	1/1	0.84	0.18	74,74,74,74	0
56	MG	1A	3245	1/1	0.84	0.19	72,72,72,72	0
56	MG	2A	3641	1/1	0.84	0.09	35,35,35,35	0
56	MG	2a	1623	1/1	0.84	0.38	77,77,77,77	0
56	MG	2A	3047	1/1	0.84	0.15	51,51,51,51	0
56	MG	1A	3496	1/1	0.84	0.16	81,81,81,81	0
56	MG	2A	3234	1/1	0.84	0.13	59,59,59,59	0
56	MG	1A	3651	1/1	0.84	0.16	53,53,53,53	0
56	MG	2a	1635	1/1	0.84	0.23	79,79,79,79	0
56	MG	1A	3401	1/1	0.84	0.12	51,51,51,51	0
56	MG	1A	3934	1/1	0.84	0.14	65,65,65,65	0
56	MG	2w	101	1/1	0.84	0.14	80,80,80,80	0
56	MG	2a	1639	1/1	0.84	0.34	76,76,76,76	0
56	MG	2x	105	1/1	0.84	0.16	70,70,70,70	0
56	MG	1A	3678	1/1	0.84	0.09	45,45,45,45	0
56	MG	1A	3195	1/1	0.84	0.36	73,73,73,73	0
56	MG	1A	4043	1/1	0.84	0.17	57,57,57,57	0
56	MG	2A	3431	1/1	0.85	0.14	57,57,57,57	0
56	MG	1A	3382	1/1	0.85	0.31	73,73,73,73	0
56	MG	2A	3252	1/1	0.85	0.20	72,72,72,72	0
56	MG	2A	3088	1/1	0.85	0.34	61,61,61,61	0
56	MG	2a	1659	1/1	0.85	0.22	70,70,70,70	0
56	MG	2A	3699	1/1	0.85	0.19	48,48,48,48	0
56	MG	1A	3733	1/1	0.85	0.10	46,46,46,46	0
56	MG	2A	3260	1/1	0.85	0.19	80,80,80,80	0
56	MG	2A	3092	1/1	0.85	0.17	80,80,80,80	0
56	MG	2a	1677	1/1	0.85	0.23	67,67,67,67	0
56	MG	2a	1682	1/1	0.85	0.19	68,68,68,68	0
56	MG	1a	1737	1/1	0.85	0.12	80,80,80,80	0
56	MG	2a	1688	1/1	0.85	0.36	72,72,72,72	0
56	MG	1a	1741	1/1	0.85	0.26	77,77,77,77	0
56	MG	2A	3722	1/1	0.85	0.17	68,68,68,68	0
56	MG	1A	4051	1/1	0.85	0.15	69,69,69,69	0
56	MG	2A	3499	1/1	0.85	0.20	49,49,49,49	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2a	1696	1/1	0.85	0.20	69,69,69,69	0
56	MG	1A	3968	1/1	0.85	0.11	70,70,70,70	0
56	MG	2A	3503	1/1	0.85	0.16	65,65,65,65	0
56	MG	2a	1699	1/1	0.85	0.18	78,78,78,78	0
56	MG	1A	3845	1/1	0.85	0.16	75,75,75,75	0
56	MG	1a	1750	1/1	0.85	0.14	72,72,72,72	0
56	MG	2A	3740	1/1	0.85	0.22	59,59,59,59	0
56	MG	2A	3520	1/1	0.85	0.17	58,58,58,58	0
56	MG	2a	1718	1/1	0.85	0.17	80,80,80,80	0
56	MG	2A	3752	1/1	0.85	0.18	66,66,66,66	0
56	MG	1A	3423	1/1	0.85	0.19	63,63,63,63	0
56	MG	1A	3976	1/1	0.85	0.12	41,41,41,41	0
56	MG	2A	3120	1/1	0.85	0.11	66,66,66,66	0
56	MG	1A	4064	1/1	0.85	0.15	39,39,39,39	0
56	MG	1A	3850	1/1	0.85	0.17	59,59,59,59	0
56	MG	1A	3006	1/1	0.85	0.35	74,74,74,74	0
56	MG	1A	3744	1/1	0.85	0.12	42,42,42,42	0
56	MG	2A	3542	1/1	0.85	0.35	84,84,84,84	0
56	MG	2A	3309	1/1	0.85	0.33	72,72,72,72	0
56	MG	1A	4075	1/1	0.85	0.13	59,59,59,59	0
56	MG	2A	3315	1/1	0.85	0.11	76,76,76,76	0
56	MG	1A	3387	1/1	0.85	0.11	57,57,57,57	0
56	MG	1A	3989	1/1	0.85	0.33	35,35,35,35	0
56	MG	2A	3555	1/1	0.85	0.16	61,61,61,61	0
56	MG	2a	1756	1/1	0.85	0.29	74,74,74,74	0
56	MG	2a	1762	1/1	0.85	0.19	72,72,72,72	0
56	MG	2A	3556	1/1	0.85	0.24	55,55,55,55	0
56	MG	1a	1620	1/1	0.85	0.33	74,74,74,74	0
56	MG	1A	3359	1/1	0.85	0.16	56,56,56,56	0
56	MG	1A	3065	1/1	0.85	0.22	62,62,62,62	0
56	MG	2A	3184	1/1	0.85	0.27	80,80,80,80	0
56	MG	1A	3181	1/1	0.85	0.24	55,55,55,55	0
56	MG	2A	3596	1/1	0.85	0.20	70,70,70,70	0
56	MG	1A	3797	1/1	0.85	0.09	23,23,23,23	0
56	MG	1A	3410	1/1	0.85	0.34	75,75,75,75	0
56	MG	1x	106	1/1	0.85	0.25	64,64,64,64	0
56	MG	1A	3578	1/1	0.85	0.33	63,63,63,63	0
56	MG	2F	303	1/1	0.85	0.33	74,74,74,74	0
56	MG	1A	3580	1/1	0.85	0.34	62,62,62,62	0
56	MG	2W	201	1/1	0.85	0.15	69,69,69,69	0
56	MG	2A	3005	1/1	0.85	0.15	62,62,62,62	0
56	MG	2A	3200	1/1	0.85	0.20	73,73,73,73	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1a	1660	1/1	0.85	0.21	67,67,67,67	0
56	MG	2A	3353	1/1	0.85	0.29	58,58,58,58	0
56	MG	1A	3291	1/1	0.85	0.14	47,47,47,47	0
56	MG	1B	211	1/1	0.85	0.15	61,61,61,61	0
56	MG	2A	3360	1/1	0.85	0.14	53,53,53,53	0
56	MG	1A	3470	1/1	0.85	0.38	69,69,69,69	0
56	MG	2a	1610	1/1	0.85	0.21	66,66,66,66	0
56	MG	1A	3707	1/1	0.85	0.09	69,69,69,69	0
56	MG	1a	1678	1/1	0.85	0.33	57,57,57,57	0
56	MG	2A	3378	1/1	0.85	0.21	70,70,70,70	0
56	MG	1A	3476	1/1	0.85	0.38	58,58,58,58	0
56	MG	1B	223	1/1	0.85	0.17	62,62,62,62	0
56	MG	2a	1812	1/1	0.85	0.20	73,73,73,73	0
56	MG	2a	1619	1/1	0.85	0.18	79,79,79,79	0
56	MG	1A	3717	1/1	0.85	0.12	63,63,63,63	0
56	MG	2A	3062	1/1	0.85	0.38	74,74,74,74	0
56	MG	2a	1821	1/1	0.85	0.32	76,76,76,76	0
56	MG	2A	3230	1/1	0.85	0.25	73,73,73,73	0
56	MG	1A	3831	1/1	0.85	0.15	55,55,55,55	0
56	MG	2A	3398	1/1	0.85	0.12	71,71,71,71	0
56	MG	2a	1829	1/1	0.85	0.28	64,64,64,64	0
56	MG	2A	3652	1/1	0.85	0.13	56,56,56,56	0
56	MG	2a	1633	1/1	0.85	0.40	70,70,70,70	0
56	MG	2l	202	1/1	0.85	0.10	70,70,70,70	0
56	MG	2A	3654	1/1	0.85	0.15	61,61,61,61	0
56	MG	1A	3950	1/1	0.85	0.14	57,57,57,57	0
56	MG	1A	3488	1/1	0.85	0.15	65,65,65,65	0
56	MG	1A	4042	1/1	0.85	0.07	19,19,19,19	0
56	MG	1A	3233	1/1	0.85	0.13	56,56,56,56	0
56	MG	2w	102	1/1	0.85	0.21	83,83,83,83	0
56	MG	1D	311	1/1	0.85	0.25	42,42,42,42	0
56	MG	1E	309	1/1	0.85	0.22	63,63,63,63	0
56	MG	2A	3426	1/1	0.85	0.23	61,61,61,61	0
56	MG	2A	3247	1/1	0.85	0.30	68,68,68,68	0
56	MG	2a	1648	1/1	0.85	0.26	80,80,80,80	0
56	MG	1A	3983	1/1	0.86	0.15	66,66,66,66	0
56	MG	1A	3183	1/1	0.86	0.11	81,81,81,81	0
56	MG	1E	310	1/1	0.86	0.14	59,59,59,59	0
56	MG	2A	3778	1/1	0.86	0.19	63,63,63,63	0
56	MG	1A	4063	1/1	0.86	0.12	60,60,60,60	0
56	MG	1A	3505	1/1	0.86	0.17	66,66,66,66	0
56	MG	2a	1700	1/1	0.86	0.10	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	2A	3208	1/1	0.86	0.25	66,66,66,66	0
56	MG	2A	3582	1/1	0.86	0.15	54,54,54,54	0
56	MG	2A	3584	1/1	0.86	0.20	67,67,67,67	0
56	MG	1A	4065	1/1	0.86	0.25	55,55,55,55	0
56	MG	2A	3590	1/1	0.86	0.30	72,72,72,72	0
56	MG	2A	3591	1/1	0.86	0.34	65,65,65,65	0
56	MG	1A	4068	1/1	0.86	0.29	65,65,65,65	0
56	MG	2B	202	1/1	0.86	0.17	60,60,60,60	0
56	MG	1A	3906	1/1	0.86	0.12	26,26,26,26	0
56	MG	2a	1731	1/1	0.86	0.33	69,69,69,69	0
56	MG	2A	3357	1/1	0.86	0.39	68,68,68,68	0
56	MG	1A	3506	1/1	0.86	0.19	76,76,76,76	0
56	MG	1A	3908	1/1	0.86	0.16	42,42,42,42	0
56	MG	2A	3369	1/1	0.86	0.40	70,70,70,70	0
56	MG	2A	3373	1/1	0.86	0.34	73,73,73,73	0
56	MG	2A	3074	1/1	0.86	0.26	62,62,62,62	0
56	MG	2A	3376	1/1	0.86	0.30	66,66,66,66	0
56	MG	1A	3916	1/1	0.86	0.11	31,31,31,31	0
56	MG	1Z	302	1/1	0.86	0.08	69,69,69,69	0
56	MG	2A	3231	1/1	0.86	0.20	59,59,59,59	0
56	MG	1A	3999	1/1	0.86	0.14	41,41,41,41	0
56	MG	2A	3385	1/1	0.86	0.27	67,67,67,67	0
56	MG	1A	4006	1/1	0.86	0.10	52,52,52,52	0
56	MG	1a	1747	1/1	0.86	0.21	65,65,65,65	0
56	MG	1A	3605	1/1	0.86	0.13	59,59,59,59	0
56	MG	2a	1601	1/1	0.86	0.14	61,61,61,61	0
56	MG	2A	3393	1/1	0.86	0.15	56,56,56,56	0
56	MG	1A	3267	1/1	0.86	0.32	72,72,72,72	0
56	MG	1a	1601	1/1	0.86	0.11	53,53,53,53	0
56	MG	1a	1757	1/1	0.86	0.16	75,75,75,75	0
56	MG	2A	3246	1/1	0.86	0.16	76,76,76,76	0
56	MG	1A	3516	1/1	0.86	0.20	82,82,82,82	0
56	MG	2a	1608	1/1	0.86	0.25	73,73,73,73	0
56	MG	1A	3837	1/1	0.86	0.15	62,62,62,62	0
56	MG	1A	3517	1/1	0.86	0.19	60,60,60,60	0
56	MG	1a	1621	1/1	0.86	0.30	57,57,57,57	0
56	MG	1A	3944	1/1	0.86	0.17	59,59,59,59	0
56	MG	2A	3428	1/1	0.86	0.23	76,76,76,76	0
56	MG	2a	1794	1/1	0.86	0.15	63,63,63,63	0
56	MG	2A	3108	1/1	0.86	0.43	74,74,74,74	0
56	MG	2a	1617	1/1	0.86	0.23	77,77,77,77	0
56	MG	1A	3403	1/1	0.86	0.16	54,54,54,54	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	3947	1/1	0.86	0.14	54,54,54,54	0
56	MG	2A	3668	1/1	0.86	0.15	67,67,67,67	0
56	MG	2A	3115	1/1	0.86	0.25	88,88,88,88	0
56	MG	2A	3442	1/1	0.86	0.35	66,66,66,66	0
56	MG	2a	1625	1/1	0.86	0.29	74,74,74,74	0
56	MG	1a	1636	1/1	0.86	0.24	69,69,69,69	0
56	MG	1a	1789	1/1	0.86	0.35	82,82,82,82	0
56	MG	2a	1806	1/1	0.86	0.29	71,71,71,71	0
56	MG	2A	3133	1/1	0.86	0.22	64,64,64,64	0
56	MG	2A	3139	1/1	0.86	0.36	78,78,78,78	0
56	MG	2A	3291	1/1	0.86	0.18	67,67,67,67	0
56	MG	2A	3140	1/1	0.86	0.27	67,67,67,67	0
56	MG	2a	1813	1/1	0.86	0.24	84,84,84,84	0
56	MG	1a	1638	1/1	0.86	0.27	70,70,70,70	0
56	MG	2a	1815	1/1	0.86	0.25	66,66,66,66	0
56	MG	1A	3525	1/1	0.86	0.24	57,57,57,57	0
56	MG	1a	1644	1/1	0.86	0.21	70,70,70,70	0
56	MG	2A	3704	1/1	0.86	0.19	66,66,66,66	0
56	MG	2A	3706	1/1	0.86	0.24	65,65,65,65	0
56	MG	1l	201	1/1	0.86	0.10	78,78,78,78	0
56	MG	1A	3144	1/1	0.86	0.25	46,46,46,46	0
56	MG	1A	3158	1/1	0.86	0.13	63,63,63,63	0
56	MG	1A	3540	1/1	0.86	0.13	69,69,69,69	0
56	MG	2e	201	1/1	0.86	0.10	78,78,78,78	0
56	MG	2A	3168	1/1	0.86	0.28	75,75,75,75	0
56	MG	2A	3522	1/1	0.86	0.21	76,76,76,76	0
56	MG	1A	3046	1/1	0.86	0.09	38,38,38,38	0
56	MG	1a	1661	1/1	0.86	0.27	65,65,65,65	0
56	MG	1A	3029	1/1	0.86	0.13	41,41,41,41	0
56	MG	2A	3185	1/1	0.86	0.33	74,74,74,74	0
56	MG	1A	3418	1/1	0.86	0.20	69,69,69,69	0
56	MG	1A	3040	1/1	0.86	0.20	66,66,66,66	0
56	MG	1A	3881	1/1	0.86	0.11	49,49,49,49	0
56	MG	1A	3248	1/1	0.86	0.13	63,63,63,63	0
56	MG	1A	3389	1/1	0.86	0.29	42,42,42,42	0
56	MG	2A	3039	1/1	0.86	0.33	77,77,77,77	0
56	MG	2A	3766	1/1	0.86	0.13	67,67,67,67	0
56	MG	1a	1755	1/1	0.87	0.26	72,72,72,72	0
56	MG	1A	3311	1/1	0.87	0.34	65,65,65,65	0
56	MG	1A	3312	1/1	0.87	0.26	64,64,64,64	0
56	MG	1a	1759	1/1	0.87	0.13	46,46,46,46	0
56	MG	13	104	1/1	0.87	0.23	62,62,62,62	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3605	1/1	0.87	0.26	73,73,73,73	0
56	MG	2A	3606	1/1	0.87	0.16	52,52,52,52	0
56	MG	2A	3341	1/1	0.87	0.16	78,78,78,78	0
56	MG	2A	3610	1/1	0.87	0.14	69,69,69,69	0
56	MG	2A	3611	1/1	0.87	0.19	40,40,40,40	0
56	MG	1A	3997	1/1	0.87	0.09	25,25,25,25	0
56	MG	2A	3613	1/1	0.87	0.10	71,71,71,71	0
56	MG	1a	1762	1/1	0.87	0.14	67,67,67,67	0
56	MG	1a	1765	1/1	0.87	0.21	73,73,73,73	0
56	MG	15	108	1/1	0.87	0.12	62,62,62,62	0
56	MG	1A	3450	1/1	0.87	0.23	50,50,50,50	0
56	MG	1A	4005	1/1	0.87	0.16	56,56,56,56	0
56	MG	1A	3460	1/1	0.87	0.22	73,73,73,73	0
56	MG	1a	1604	1/1	0.87	0.11	66,66,66,66	0
56	MG	1a	1617	1/1	0.87	0.20	52,52,52,52	0
56	MG	1A	3657	1/1	0.87	0.12	52,52,52,52	0
56	MG	1A	3363	1/1	0.87	0.19	60,60,60,60	0
56	MG	2A	3189	1/1	0.87	0.20	60,60,60,60	0
56	MG	2A	3365	1/1	0.87	0.19	66,66,66,66	0
56	MG	2A	3366	1/1	0.87	0.26	72,72,72,72	0
56	MG	1a	1794	1/1	0.87	0.28	68,68,68,68	0
56	MG	2a	1662	1/1	0.87	0.27	67,67,67,67	0
56	MG	2A	3192	1/1	0.87	0.36	71,71,71,71	0
56	MG	1A	3927	1/1	0.87	0.18	63,63,63,63	0
56	MG	2A	3375	1/1	0.87	0.31	62,62,62,62	0
56	MG	1e	3100	1/1	0.87	0.12	76,76,76,76	0
56	MG	1a	1624	1/1	0.87	0.25	63,63,63,63	0
56	MG	2a	1678	1/1	0.87	0.20	63,63,63,63	0
56	MG	2A	3661	1/1	0.87	0.15	52,52,52,52	0
56	MG	1A	3315	1/1	0.87	0.37	75,75,75,75	0
56	MG	1n	101	1/1	0.87	0.17	59,59,59,59	0
56	MG	1n	102	1/1	0.87	0.23	66,66,66,66	0
56	MG	1A	3406	1/1	0.87	0.29	72,72,72,72	0
56	MG	2A	3387	1/1	0.87	0.30	64,64,64,64	0
56	MG	1A	4097	1/1	0.87	0.28	58,58,58,58	0
56	MG	1A	3469	1/1	0.87	0.21	73,73,73,73	0
56	MG	1A	3020	1/1	0.87	0.19	55,55,55,55	0
56	MG	1A	3555	1/1	0.87	0.12	56,56,56,56	0
56	MG	1A	4022	1/1	0.87	0.13	59,59,59,59	0
56	MG	2A	3397	1/1	0.87	0.18	71,71,71,71	0
56	MG	1A	3572	1/1	0.87	0.17	49,49,49,49	0
56	MG	1A	3706	1/1	0.87	0.25	62,62,62,62	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3405	1/1	0.87	0.18	59,59,59,59	0
56	MG	2a	1711	1/1	0.87	0.40	74,74,74,74	0
56	MG	2A	3406	1/1	0.87	0.32	71,71,71,71	0
56	MG	2A	3020	1/1	0.87	0.34	69,69,69,69	0
56	MG	2a	1721	1/1	0.87	0.30	84,84,84,84	0
56	MG	1A	3948	1/1	0.87	0.10	48,48,48,48	0
56	MG	2A	3415	1/1	0.87	0.14	59,59,59,59	0
56	MG	2A	3221	1/1	0.87	0.18	70,70,70,70	0
56	MG	2A	3027	1/1	0.87	0.19	50,50,50,50	0
56	MG	2A	3224	1/1	0.87	0.18	73,73,73,73	0
56	MG	2A	3225	1/1	0.87	0.16	73,73,73,73	0
56	MG	2A	3028	1/1	0.87	0.14	56,56,56,56	0
56	MG	1A	3172	1/1	0.87	0.09	45,45,45,45	0
56	MG	2A	3233	1/1	0.87	0.21	54,54,54,54	0
56	MG	2a	1742	1/1	0.87	0.35	68,68,68,68	0
56	MG	2A	3036	1/1	0.87	0.16	57,57,57,57	0
56	MG	2A	3733	1/1	0.87	0.11	79,79,79,79	0
56	MG	2A	3735	1/1	0.87	0.12	62,62,62,62	0
56	MG	1A	3956	1/1	0.87	0.14	60,60,60,60	0
56	MG	2A	3434	1/1	0.87	0.16	69,69,69,69	0
56	MG	2A	3437	1/1	0.87	0.19	60,60,60,60	0
56	MG	1A	3574	1/1	0.87	0.15	44,44,44,44	0
56	MG	2A	3447	1/1	0.87	0.29	69,69,69,69	0
56	MG	1A	3575	1/1	0.87	0.13	49,49,49,49	0
56	MG	2A	3764	1/1	0.87	0.35	86,86,86,86	0
56	MG	2A	3239	1/1	0.87	0.14	60,60,60,60	0
56	MG	1A	3576	1/1	0.87	0.16	57,57,57,57	0
56	MG	1E	307	1/1	0.87	0.22	57,57,57,57	0
56	MG	2A	3772	1/1	0.87	0.22	55,55,55,55	0
56	MG	2A	3481	1/1	0.87	0.16	64,64,64,64	0
56	MG	2A	3052	1/1	0.87	0.25	72,72,72,72	0
56	MG	2a	1775	1/1	0.87	0.20	55,55,55,55	0
56	MG	2a	1778	1/1	0.87	0.34	67,67,67,67	0
56	MG	2a	1780	1/1	0.87	0.18	73,73,73,73	0
56	MG	1A	3004	1/1	0.87	0.09	28,28,28,28	0
56	MG	2A	3786	1/1	0.87	0.18	77,77,77,77	0
56	MG	1A	3495	1/1	0.87	0.14	62,62,62,62	0
56	MG	1a	1684	1/1	0.87	0.24	72,72,72,72	0
56	MG	1A	3104	1/1	0.87	0.33	53,53,53,53	0
56	MG	1a	1691	1/1	0.87	0.25	62,62,62,62	0
56	MG	1A	3058	1/1	0.87	0.14	49,49,49,49	0
56	MG	1a	1695	1/1	0.87	0.19	53,53,53,53	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3261	1/1	0.87	0.29	70,70,70,70	0
56	MG	2A	3803	1/1	0.87	0.17	61,61,61,61	0
56	MG	2A	3804	1/1	0.87	0.20	73,73,73,73	0
56	MG	2A	3262	1/1	0.87	0.29	70,70,70,70	0
56	MG	1a	1698	1/1	0.87	0.33	63,63,63,63	0
56	MG	2A	3524	1/1	0.87	0.13	63,63,63,63	0
56	MG	1A	3861	1/1	0.87	0.23	49,49,49,49	0
56	MG	1G	204	1/1	0.87	0.23	69,69,69,69	0
56	MG	1a	1710	1/1	0.87	0.23	68,68,68,68	0
56	MG	2B	209	1/1	0.87	0.32	75,75,75,75	0
56	MG	2A	3533	1/1	0.87	0.29	66,66,66,66	0
56	MG	1A	3740	1/1	0.87	0.25	63,63,63,63	0
56	MG	2B	215	1/1	0.87	0.31	70,70,70,70	0
56	MG	2A	3538	1/1	0.87	0.17	68,68,68,68	0
56	MG	1O	204	1/1	0.87	0.18	58,58,58,58	0
56	MG	1A	3098	1/1	0.87	0.15	55,55,55,55	0
56	MG	2A	3091	1/1	0.87	0.24	67,67,67,67	0
56	MG	1A	3500	1/1	0.87	0.25	70,70,70,70	0
56	MG	1a	1730	1/1	0.87	0.18	70,70,70,70	0
56	MG	1a	1734	1/1	0.87	0.25	66,66,66,66	0
56	MG	2a	1817	1/1	0.87	0.25	78,78,78,78	0
56	MG	2N	201	1/1	0.87	0.15	83,83,83,83	0
56	MG	2P	201	1/1	0.87	0.18	61,61,61,61	0
56	MG	2T	201	1/1	0.87	0.18	71,71,71,71	0
56	MG	1P	205	1/1	0.87	0.21	48,48,48,48	0
56	MG	2O	101	1/1	0.87	0.25	72,72,72,72	0
56	MG	2A	3099	1/1	0.87	0.19	68,68,68,68	0
56	MG	2a	1830	1/1	0.87	0.21	77,77,77,77	0
56	MG	1Q	204	1/1	0.87	0.15	72,72,72,72	0
56	MG	27	102	1/1	0.87	0.28	72,72,72,72	0
56	MG	2A	3306	1/1	0.87	0.15	69,69,69,69	0
56	MG	1S	202	1/1	0.87	0.18	60,60,60,60	0
56	MG	1A	3752	1/1	0.87	0.16	57,57,57,57	0
56	MG	2A	3580	1/1	0.87	0.17	46,46,46,46	0
56	MG	1V	206	1/1	0.87	0.25	68,68,68,68	0
56	MG	2v	101	1/1	0.87	0.31	75,75,75,75	0
56	MG	1A	3503	1/1	0.87	0.11	57,57,57,57	0
56	MG	2A	3316	1/1	0.87	0.21	56,56,56,56	0
56	MG	1A	3264	1/1	0.87	0.17	67,67,67,67	0
56	MG	2A	3321	1/1	0.87	0.34	69,69,69,69	0
56	MG	2A	3592	1/1	0.87	0.16	75,75,75,75	0
56	MG	1A	3397	1/1	0.87	0.12	47,47,47,47	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	10	109	1/1	0.87	0.12	58,58,58,58	0
56	MG	1a	1751	1/1	0.87	0.21	67,67,67,67	0
56	MG	1N	201	1/1	0.88	0.18	64,64,64,64	0
56	MG	2A	3136	1/1	0.88	0.14	50,50,50,50	0
56	MG	2a	1618	1/1	0.88	0.20	71,71,71,71	0
56	MG	1a	1743	1/1	0.88	0.17	64,64,64,64	0
56	MG	1A	3471	1/1	0.88	0.12	54,54,54,54	0
56	MG	2A	3144	1/1	0.88	0.21	62,62,62,62	0
56	MG	2A	3614	1/1	0.88	0.20	67,67,67,67	0
56	MG	1A	3407	1/1	0.88	0.16	58,58,58,58	0
56	MG	1A	3479	1/1	0.88	0.25	51,51,51,51	0
56	MG	1A	3205	1/1	0.88	0.14	65,65,65,65	0
56	MG	2a	1627	1/1	0.88	0.29	77,77,77,77	0
56	MG	1A	4031	1/1	0.88	0.10	51,51,51,51	0
56	MG	1A	3582	1/1	0.88	0.23	61,61,61,61	0
56	MG	2A	3160	1/1	0.88	0.16	48,48,48,48	0
56	MG	2A	3162	1/1	0.88	0.15	68,68,68,68	0
56	MG	1R	208	1/1	0.88	0.29	45,45,45,45	0
56	MG	1A	3411	1/1	0.88	0.21	50,50,50,50	0
56	MG	2A	3166	1/1	0.88	0.23	78,78,78,78	0
56	MG	2A	3636	1/1	0.88	0.11	60,60,60,60	0
56	MG	1A	3751	1/1	0.88	0.14	58,58,58,58	0
56	MG	1A	3909	1/1	0.88	0.32	66,66,66,66	0
56	MG	1Y	201	1/1	0.88	0.29	66,66,66,66	0
56	MG	2A	3642	1/1	0.88	0.15	73,73,73,73	0
56	MG	2A	3372	1/1	0.88	0.24	68,68,68,68	0
56	MG	1A	3911	1/1	0.88	0.13	69,69,69,69	0
56	MG	1A	3914	1/1	0.88	0.10	68,68,68,68	0
56	MG	1A	3143	1/1	0.88	0.17	56,56,56,56	0
56	MG	1A	3920	1/1	0.88	0.11	50,50,50,50	0
56	MG	2a	1661	1/1	0.88	0.44	74,74,74,74	0
56	MG	1a	1780	1/1	0.88	0.23	59,59,59,59	0
56	MG	2a	1663	1/1	0.88	0.19	59,59,59,59	0
56	MG	2A	3657	1/1	0.88	0.09	65,65,65,65	0
56	MG	1A	4053	1/1	0.88	0.14	54,54,54,54	0
56	MG	1A	3753	1/1	0.88	0.10	22,22,22,22	0
56	MG	2a	1674	1/1	0.88	0.25	60,60,60,60	0
56	MG	1A	3001	1/1	0.88	0.17	46,46,46,46	0
56	MG	1A	3782	1/1	0.88	0.11	51,51,51,51	0
56	MG	2A	3669	1/1	0.88	0.15	67,67,67,67	0
56	MG	1A	3286	1/1	0.88	0.16	52,52,52,52	0
56	MG	2a	1685	1/1	0.88	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	3935	1/1	0.88	0.15	73,73,73,73	0
56	MG	2A	3675	1/1	0.88	0.15	64,64,64,64	0
56	MG	1A	3054	1/1	0.88	0.13	48,48,48,48	0
56	MG	2A	3202	1/1	0.88	0.25	62,62,62,62	0
56	MG	2a	1691	1/1	0.88	0.41	73,73,73,73	0
56	MG	2a	1692	1/1	0.88	0.29	66,66,66,66	0
56	MG	1a	1795	1/1	0.88	0.35	55,55,55,55	0
56	MG	1A	3501	1/1	0.88	0.15	53,53,53,53	0
56	MG	1A	3246	1/1	0.88	0.29	64,64,64,64	0
56	MG	1a	1611	1/1	0.88	0.29	69,69,69,69	0
56	MG	2A	3401	1/1	0.88	0.20	66,66,66,66	0
56	MG	2A	3210	1/1	0.88	0.18	59,59,59,59	0
56	MG	1A	3622	1/1	0.88	0.16	59,59,59,59	0
56	MG	1A	3103	1/1	0.88	0.33	44,44,44,44	0
56	MG	2a	1706	1/1	0.88	0.32	76,76,76,76	0
56	MG	1A	3637	1/1	0.88	0.14	57,57,57,57	0
56	MG	1A	3806	1/1	0.88	0.15	61,61,61,61	0
56	MG	2A	3708	1/1	0.88	0.12	67,67,67,67	0
56	MG	2a	1714	1/1	0.88	0.33	68,68,68,68	0
56	MG	1a	1623	1/1	0.88	0.28	61,61,61,61	0
56	MG	1A	3951	1/1	0.88	0.09	28,28,28,28	0
56	MG	2A	3419	1/1	0.88	0.38	64,64,64,64	0
56	MG	2A	3716	1/1	0.88	0.30	74,74,74,74	0
56	MG	2A	3717	1/1	0.88	0.14	80,80,80,80	0
56	MG	1a	1626	1/1	0.88	0.32	67,67,67,67	0
56	MG	1A	4078	1/1	0.88	0.19	59,59,59,59	0
56	MG	2a	1730	1/1	0.88	0.28	70,70,70,70	0
56	MG	1A	3068	1/1	0.88	0.15	60,60,60,60	0
56	MG	1x	115	1/1	0.88	0.29	70,70,70,70	0
56	MG	1A	3642	1/1	0.88	0.09	31,31,31,31	0
56	MG	1A	3809	1/1	0.88	0.15	41,41,41,41	0
56	MG	1A	3390	1/1	0.88	0.14	71,71,71,71	0
56	MG	1A	3811	1/1	0.88	0.22	31,31,31,31	0
56	MG	1A	3816	1/1	0.88	0.10	37,37,37,37	0
56	MG	1a	1651	1/1	0.88	0.21	64,64,64,64	0
56	MG	2a	1747	1/1	0.88	0.12	72,72,72,72	0
56	MG	1A	3301	1/1	0.88	0.27	50,50,50,50	0
56	MG	2A	3445	1/1	0.88	0.22	59,59,59,59	0
56	MG	1a	1654	1/1	0.88	0.09	56,56,56,56	0
56	MG	2A	3453	1/1	0.88	0.14	38,38,38,38	0
56	MG	2A	3762	1/1	0.88	0.14	54,54,54,54	0
56	MG	2A	3454	1/1	0.88	0.25	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	3398	1/1	0.88	0.12	54,54,54,54	0
56	MG	2A	3458	1/1	0.88	0.12	26,26,26,26	0
56	MG	2A	3241	1/1	0.88	0.16	58,58,58,58	0
56	MG	2A	3243	1/1	0.88	0.16	80,80,80,80	0
56	MG	1a	1659	1/1	0.88	0.22	71,71,71,71	0
56	MG	2A	3044	1/1	0.88	0.19	59,59,59,59	0
56	MG	1A	3974	1/1	0.88	0.23	64,64,64,64	0
56	MG	1A	4095	1/1	0.88	0.24	57,57,57,57	0
56	MG	2A	3788	1/1	0.88	0.13	62,62,62,62	0
56	MG	2A	3489	1/1	0.88	0.22	46,46,46,46	0
56	MG	1A	3673	1/1	0.88	0.19	57,57,57,57	0
56	MG	1a	1663	1/1	0.88	0.30	76,76,76,76	0
56	MG	2A	3053	1/1	0.88	0.16	68,68,68,68	0
56	MG	2A	3256	1/1	0.88	0.24	69,69,69,69	0
56	MG	1A	3519	1/1	0.88	0.12	57,57,57,57	0
56	MG	1A	3457	1/1	0.88	0.14	69,69,69,69	0
56	MG	2A	3801	1/1	0.88	0.25	74,74,74,74	0
56	MG	2A	3059	1/1	0.88	0.15	81,81,81,81	0
56	MG	1a	1674	1/1	0.88	0.31	73,73,73,73	0
56	MG	2A	3808	1/1	0.88	0.12	74,74,74,74	0
56	MG	1B	215	1/1	0.88	0.23	64,64,64,64	0
56	MG	1B	218	1/1	0.88	0.13	52,52,52,52	0
56	MG	1A	3458	1/1	0.88	0.20	57,57,57,57	0
56	MG	1A	3459	1/1	0.88	0.27	50,50,50,50	0
56	MG	1A	3690	1/1	0.88	0.10	39,39,39,39	0
56	MG	2A	3277	1/1	0.88	0.24	74,74,74,74	0
56	MG	1a	1685	1/1	0.88	0.37	65,65,65,65	0
56	MG	2A	3282	1/1	0.88	0.15	70,70,70,70	0
56	MG	2A	3286	1/1	0.88	0.19	67,67,67,67	0
56	MG	2B	213	1/1	0.88	0.26	67,67,67,67	0
56	MG	1B	226	1/1	0.88	0.15	58,58,58,58	0
56	MG	2A	3289	1/1	0.88	0.40	72,72,72,72	0
56	MG	1a	1689	1/1	0.88	0.33	63,63,63,63	0
56	MG	2E	301	1/1	0.88	0.29	73,73,73,73	0
56	MG	1B	227	1/1	0.88	0.14	50,50,50,50	0
56	MG	1A	3528	1/1	0.88	0.30	58,58,58,58	0
56	MG	2A	3551	1/1	0.88	0.20	70,70,70,70	0
56	MG	1A	3529	1/1	0.88	0.33	65,65,65,65	0
56	MG	1A	3399	1/1	0.88	0.11	51,51,51,51	0
56	MG	1A	3853	1/1	0.88	0.13	49,49,49,49	0
56	MG	2O	201	1/1	0.88	0.25	66,66,66,66	0
56	MG	2A	3304	1/1	0.88	0.41	76,76,76,76	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	3855	1/1	0.88	0.16	56,56,56,56	0
56	MG	2V	201	1/1	0.88	0.34	54,54,54,54	0
56	MG	1D	308	1/1	0.88	0.20	50,50,50,50	0
56	MG	2X	101	1/1	0.88	0.12	77,77,77,77	0
56	MG	1a	1712	1/1	0.88	0.16	64,64,64,64	0
56	MG	1A	3463	1/1	0.88	0.14	59,59,59,59	0
56	MG	1A	3355	1/1	0.88	0.18	57,57,57,57	0
56	MG	2A	3314	1/1	0.88	0.32	78,78,78,78	0
56	MG	1A	3303	1/1	0.88	0.28	61,61,61,61	0
56	MG	1A	3715	1/1	0.88	0.14	41,41,41,41	0
56	MG	2A	3317	1/1	0.88	0.19	79,79,79,79	0
56	MG	2A	3318	1/1	0.88	0.18	85,85,85,85	0
56	MG	2t	201	1/1	0.88	0.15	54,54,54,54	0
56	MG	1A	3869	1/1	0.88	0.16	52,52,52,52	0
56	MG	1A	3872	1/1	0.88	0.10	37,37,37,37	0
56	MG	1A	3257	1/1	0.88	0.10	46,46,46,46	0
56	MG	2A	3324	1/1	0.88	0.27	70,70,70,70	0
56	MG	2w	103	1/1	0.88	0.14	77,77,77,77	0
56	MG	2A	3114	1/1	0.88	0.16	44,44,44,44	0
56	MG	1A	3362	1/1	0.88	0.24	64,64,64,64	0
56	MG	1F	313	1/1	0.88	0.23	63,63,63,63	0
56	MG	2A	3125	1/1	0.88	0.16	68,68,68,68	0
56	MG	1A	3263	1/1	0.88	0.15	59,59,59,59	0
56	MG	2A	3021	1/1	0.89	0.19	67,67,67,67	0
56	MG	2A	3025	1/1	0.89	0.31	55,55,55,55	0
56	MG	2A	3726	1/1	0.89	0.19	69,69,69,69	0
56	MG	1A	3179	1/1	0.89	0.20	35,35,35,35	0
56	MG	2A	3525	1/1	0.89	0.28	67,67,67,67	0
56	MG	1U	203	1/1	0.89	0.15	59,59,59,59	0
56	MG	1A	3207	1/1	0.89	0.10	59,59,59,59	0
56	MG	2A	3531	1/1	0.89	0.20	73,73,73,73	0
56	MG	2a	1680	1/1	0.89	0.21	55,55,55,55	0
56	MG	1V	207	1/1	0.89	0.15	62,62,62,62	0
56	MG	2a	1684	1/1	0.89	0.37	68,68,68,68	0
56	MG	2A	3328	1/1	0.89	0.37	62,62,62,62	0
56	MG	2A	3335	1/1	0.89	0.22	62,62,62,62	0
56	MG	1A	3910	1/1	0.89	0.14	45,45,45,45	0
56	MG	2A	3748	1/1	0.89	0.26	58,58,58,58	0
56	MG	2A	3038	1/1	0.89	0.30	64,64,64,64	0
56	MG	1A	4083	1/1	0.89	0.08	43,43,43,43	0
56	MG	1A	3308	1/1	0.89	0.13	63,63,63,63	0
56	MG	2A	3761	1/1	0.89	0.13	56,56,56,56	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	10	106	1/1	0.89	0.14	52,52,52,52	0
56	MG	2A	3545	1/1	0.89	0.18	64,64,64,64	0
56	MG	2A	3204	1/1	0.89	0.16	59,59,59,59	0
56	MG	2A	3344	1/1	0.89	0.13	72,72,72,72	0
56	MG	2A	3550	1/1	0.89	0.16	66,66,66,66	0
56	MG	1a	1717	1/1	0.89	0.16	66,66,66,66	0
56	MG	1A	3595	1/1	0.89	0.28	66,66,66,66	0
56	MG	2a	1705	1/1	0.89	0.16	62,62,62,62	0
56	MG	2A	3048	1/1	0.89	0.22	70,70,70,70	0
56	MG	1A	3915	1/1	0.89	0.11	59,59,59,59	0
56	MG	1A	3475	1/1	0.89	0.25	41,41,41,41	0
56	MG	2A	3558	1/1	0.89	0.16	51,51,51,51	0
56	MG	2a	1712	1/1	0.89	0.28	74,74,74,74	0
56	MG	11	103	1/1	0.89	0.10	47,47,47,47	0
56	MG	2A	3055	1/1	0.89	0.17	56,56,56,56	0
56	MG	2A	3574	1/1	0.89	0.16	58,58,58,58	0
56	MG	2a	1720	1/1	0.89	0.19	58,58,58,58	0
56	MG	2A	3355	1/1	0.89	0.23	44,44,44,44	0
56	MG	1A	3821	1/1	0.89	0.14	52,52,52,52	0
56	MG	1A	3922	1/1	0.89	0.12	63,63,63,63	0
56	MG	2a	1725	1/1	0.89	0.23	60,60,60,60	0
56	MG	2A	3585	1/1	0.89	0.10	55,55,55,55	0
56	MG	2a	1727	1/1	0.89	0.29	85,85,85,85	0
56	MG	1A	4092	1/1	0.89	0.20	62,62,62,62	0
56	MG	2a	1729	1/1	0.89	0.44	57,57,57,57	0
56	MG	2A	3060	1/1	0.89	0.25	60,60,60,60	0
56	MG	1A	3285	1/1	0.89	0.11	57,57,57,57	0
56	MG	18	101	1/1	0.89	0.22	66,66,66,66	0
56	MG	18	104	1/1	0.89	0.21	53,53,53,53	0
56	MG	2A	3594	1/1	0.89	0.12	63,63,63,63	0
56	MG	19	101	1/1	0.89	0.15	51,51,51,51	0
56	MG	2a	1740	1/1	0.89	0.31	72,72,72,72	0
56	MG	2A	3069	1/1	0.89	0.18	71,71,71,71	0
56	MG	1A	4094	1/1	0.89	0.10	62,62,62,62	0
56	MG	1A	3527	1/1	0.89	0.22	48,48,48,48	0
56	MG	1A	3832	1/1	0.89	0.09	44,44,44,44	0
56	MG	1B	207	1/1	0.89	0.20	73,73,73,73	0
56	MG	2A	3084	1/1	0.89	0.16	61,61,61,61	0
56	MG	1A	3609	1/1	0.89	0.22	55,55,55,55	0
56	MG	2A	3382	1/1	0.89	0.35	64,64,64,64	0
56	MG	2A	3608	1/1	0.89	0.19	58,58,58,58	0
56	MG	1a	1612	1/1	0.89	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	1A	4015	1/1	0.89	0.15	57,57,57,57	0
56	MG	2A	3242	1/1	0.89	0.26	74,74,74,74	0
56	MG	1A	3732	1/1	0.89	0.09	65,65,65,65	0
56	MG	1A	3936	1/1	0.89	0.12	58,58,58,58	0
56	MG	1A	3210	1/1	0.89	0.15	50,50,50,50	0
56	MG	1A	3313	1/1	0.89	0.08	47,47,47,47	0
56	MG	1A	4026	1/1	0.89	0.16	65,65,65,65	0
56	MG	1A	4029	1/1	0.89	0.12	55,55,55,55	0
56	MG	2A	3249	1/1	0.89	0.12	67,67,67,67	0
56	MG	2Q	203	1/1	0.89	0.12	66,66,66,66	0
56	MG	2A	3400	1/1	0.89	0.30	67,67,67,67	0
56	MG	2A	3250	1/1	0.89	0.17	61,61,61,61	0
56	MG	1A	4030	1/1	0.89	0.10	47,47,47,47	0
56	MG	2W	203	1/1	0.89	0.28	72,72,72,72	0
56	MG	2A	3631	1/1	0.89	0.11	68,68,68,68	0
56	MG	1a	1769	1/1	0.89	0.16	64,64,64,64	0
56	MG	2a	1788	1/1	0.89	0.41	75,75,75,75	0
56	MG	1A	3738	1/1	0.89	0.11	50,50,50,50	0
56	MG	2A	3407	1/1	0.89	0.17	61,61,61,61	0
56	MG	25	103	1/1	0.89	0.22	62,62,62,62	0
56	MG	2a	1793	1/1	0.89	0.21	74,74,74,74	0
56	MG	1A	3494	1/1	0.89	0.09	65,65,65,65	0
56	MG	2A	3410	1/1	0.89	0.21	67,67,67,67	0
56	MG	2A	3259	1/1	0.89	0.11	78,78,78,78	0
56	MG	2A	3640	1/1	0.89	0.20	58,58,58,58	0
56	MG	2A	3106	1/1	0.89	0.17	42,42,42,42	0
56	MG	1a	1779	1/1	0.89	0.13	81,81,81,81	0
56	MG	1A	3531	1/1	0.89	0.37	57,57,57,57	0
56	MG	1a	1781	1/1	0.89	0.17	65,65,65,65	0
56	MG	2A	3421	1/1	0.89	0.18	64,64,64,64	0
56	MG	1A	3641	1/1	0.89	0.11	39,39,39,39	0
56	MG	1A	3533	1/1	0.89	0.20	49,49,49,49	0
56	MG	2A	3655	1/1	0.89	0.10	57,57,57,57	0
56	MG	1B	235	1/1	0.89	0.19	73,73,73,73	0
56	MG	1A	3287	1/1	0.89	0.30	69,69,69,69	0
56	MG	1A	3456	1/1	0.89	0.25	61,61,61,61	0
56	MG	2A	3662	1/1	0.89	0.11	66,66,66,66	0
56	MG	1A	3761	1/1	0.89	0.16	35,35,35,35	0
56	MG	2A	3135	1/1	0.89	0.29	66,66,66,66	0
56	MG	1A	3762	1/1	0.89	0.14	47,47,47,47	0
56	MG	1A	3960	1/1	0.89	0.19	59,59,59,59	0
56	MG	1A	3654	1/1	0.89	0.09	29,29,29,29	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	3864	1/1	0.89	0.07	44,44,44,44	0
56	MG	2A	3674	1/1	0.89	0.17	69,69,69,69	0
56	MG	2A	3293	1/1	0.89	0.17	65,65,65,65	0
56	MG	2a	1826	1/1	0.89	0.20	66,66,66,66	0
56	MG	1A	4058	1/1	0.89	0.12	55,55,55,55	0
56	MG	2a	1629	1/1	0.89	0.11	93,93,93,93	0
56	MG	1A	3655	1/1	0.89	0.11	29,29,29,29	0
56	MG	1A	3223	1/1	0.89	0.23	51,51,51,51	0
56	MG	1a	1666	1/1	0.89	0.31	70,70,70,70	0
56	MG	2A	3684	1/1	0.89	0.11	58,58,58,58	0
56	MG	2A	3155	1/1	0.89	0.39	74,74,74,74	0
56	MG	2A	3691	1/1	0.89	0.11	63,63,63,63	0
56	MG	2l	203	1/1	0.89	0.14	74,74,74,74	0
56	MG	2A	3302	1/1	0.89	0.15	65,65,65,65	0
56	MG	1A	3224	1/1	0.89	0.15	52,52,52,52	0
56	MG	2a	1643	1/1	0.89	0.18	68,68,68,68	0
56	MG	1A	3260	1/1	0.89	0.27	74,74,74,74	0
56	MG	1A	3133	1/1	0.89	0.12	52,52,52,52	0
56	MG	1A	3337	1/1	0.89	0.21	43,43,43,43	0
56	MG	1A	3340	1/1	0.89	0.30	73,73,73,73	0
56	MG	1A	3344	1/1	0.89	0.26	55,55,55,55	0
56	MG	1x	114	1/1	0.89	0.18	74,74,74,74	0
56	MG	1A	3508	1/1	0.89	0.27	41,41,41,41	0
56	MG	2x	104	1/1	0.89	0.34	78,78,78,78	0
56	MG	1A	3062	1/1	0.89	0.34	69,69,69,69	0
56	MG	2A	3013	1/1	0.89	0.34	70,70,70,70	0
56	MG	1A	3468	1/1	0.89	0.19	66,66,66,66	0
56	MG	1A	4077	1/1	0.89	0.10	62,62,62,62	0
58	ZN	24	501	1/1	0.89	0.15	132,132,132,132	0
60	K	2x	101	1/1	0.89	0.28	81,81,81,81	0
56	MG	2A	3174	1/1	0.90	0.12	62,62,62,62	0
56	MG	2A	3182	1/1	0.90	0.22	67,67,67,67	0
56	MG	1S	201	1/1	0.90	0.34	51,51,51,51	0
56	MG	2A	3004	1/1	0.90	0.14	49,49,49,49	0
56	MG	2a	1675	1/1	0.90	0.34	70,70,70,70	0
56	MG	2A	3187	1/1	0.90	0.19	64,64,64,64	0
56	MG	1A	3541	1/1	0.90	0.10	69,69,69,69	0
56	MG	1a	1688	1/1	0.90	0.35	68,68,68,68	0
56	MG	2A	3332	1/1	0.90	0.18	71,71,71,71	0
56	MG	1S	203	1/1	0.90	0.08	73,73,73,73	0
56	MG	1a	1690	1/1	0.90	0.13	57,57,57,57	0
56	MG	1A	3551	1/1	0.90	0.18	41,41,41,41	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3194	1/1	0.90	0.14	62,62,62,62	0
56	MG	1A	3428	1/1	0.90	0.16	49,49,49,49	0
56	MG	1A	3792	1/1	0.90	0.13	46,46,46,46	0
56	MG	1A	3656	1/1	0.90	0.08	26,26,26,26	0
56	MG	2A	3343	1/1	0.90	0.09	70,70,70,70	0
56	MG	1A	3182	1/1	0.90	0.17	65,65,65,65	0
56	MG	2A	3032	1/1	0.90	0.12	40,40,40,40	0
56	MG	1a	1704	1/1	0.90	0.20	71,71,71,71	0
56	MG	2a	1695	1/1	0.90	0.20	58,58,58,58	0
56	MG	2A	3554	1/1	0.90	0.18	40,40,40,40	0
56	MG	1A	3660	1/1	0.90	0.09	27,27,27,27	0
56	MG	1a	1708	1/1	0.90	0.17	56,56,56,56	0
56	MG	1A	3567	1/1	0.90	0.24	32,32,32,32	0
56	MG	1A	3444	1/1	0.90	0.18	46,46,46,46	0
56	MG	2A	3560	1/1	0.90	0.14	51,51,51,51	0
56	MG	2A	3780	1/1	0.90	0.10	47,47,47,47	0
56	MG	1A	3351	1/1	0.90	0.20	66,66,66,66	0
56	MG	1A	3446	1/1	0.90	0.17	71,71,71,71	0
56	MG	2A	3787	1/1	0.90	0.27	65,65,65,65	0
56	MG	2a	1710	1/1	0.90	0.26	71,71,71,71	0
56	MG	1A	3353	1/1	0.90	0.19	66,66,66,66	0
56	MG	2A	3791	1/1	0.90	0.14	53,53,53,53	0
56	MG	1A	3208	1/1	0.90	0.10	69,69,69,69	0
56	MG	2A	3359	1/1	0.90	0.20	38,38,38,38	0
56	MG	1B	203	1/1	0.90	0.14	59,59,59,59	0
56	MG	2A	3588	1/1	0.90	0.14	51,51,51,51	0
56	MG	1A	3249	1/1	0.90	0.18	57,57,57,57	0
56	MG	2A	3363	1/1	0.90	0.45	74,74,74,74	0
56	MG	1a	1731	1/1	0.90	0.24	76,76,76,76	0
56	MG	1A	3314	1/1	0.90	0.18	52,52,52,52	0
56	MG	2A	3802	1/1	0.90	0.17	74,74,74,74	0
56	MG	2A	3367	1/1	0.90	0.30	57,57,57,57	0
56	MG	1A	3254	1/1	0.90	0.18	72,72,72,72	0
56	MG	2A	3805	1/1	0.90	0.29	74,74,74,74	0
56	MG	1B	213	1/1	0.90	0.27	67,67,67,67	0
56	MG	1A	3819	1/1	0.90	0.07	40,40,40,40	0
56	MG	1a	1740	1/1	0.90	0.14	63,63,63,63	0
56	MG	2A	3227	1/1	0.90	0.21	78,78,78,78	0
56	MG	1A	3053	1/1	0.90	0.09	56,56,56,56	0
56	MG	1A	3462	1/1	0.90	0.14	58,58,58,58	0
56	MG	2A	3232	1/1	0.90	0.12	72,72,72,72	0
56	MG	1A	3829	1/1	0.90	0.09	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	1746	1/1	0.90	0.14	68,68,68,68	0
56	MG	2A	3607	1/1	0.90	0.31	69,69,69,69	0
56	MG	1A	3515	1/1	0.90	0.11	74,74,74,74	0
56	MG	1A	3710	1/1	0.90	0.14	60,60,60,60	0
56	MG	2A	3386	1/1	0.90	0.45	69,69,69,69	0
56	MG	2A	3076	1/1	0.90	0.21	62,62,62,62	0
56	MG	1A	3587	1/1	0.90	0.14	35,35,35,35	0
56	MG	2A	3078	1/1	0.90	0.17	54,54,54,54	0
56	MG	2E	305	1/1	0.90	0.22	66,66,66,66	0
56	MG	2a	1760	1/1	0.90	0.15	66,66,66,66	0
56	MG	1A	3035	1/1	0.90	0.11	52,52,52,52	0
56	MG	2F	301	1/1	0.90	0.11	50,50,50,50	0
56	MG	2A	3082	1/1	0.90	0.16	65,65,65,65	0
56	MG	1A	3194	1/1	0.90	0.34	42,42,42,42	0
56	MG	2F	304	1/1	0.90	0.10	52,52,52,52	0
56	MG	1A	3596	1/1	0.90	0.17	42,42,42,42	0
56	MG	2A	3618	1/1	0.90	0.10	48,48,48,48	0
56	MG	2A	3619	1/1	0.90	0.23	62,62,62,62	0
56	MG	1A	4044	1/1	0.90	0.12	69,69,69,69	0
56	MG	1A	3727	1/1	0.90	0.12	67,67,67,67	0
56	MG	1A	3333	1/1	0.90	0.11	63,63,63,63	0
56	MG	2T	203	1/1	0.90	0.26	65,65,65,65	0
56	MG	2U	201	1/1	0.90	0.17	59,59,59,59	0
56	MG	2A	3626	1/1	0.90	0.16	55,55,55,55	0
56	MG	2A	3627	1/1	0.90	0.12	53,53,53,53	0
56	MG	1A	3844	1/1	0.90	0.27	55,55,55,55	0
56	MG	1A	3295	1/1	0.90	0.11	55,55,55,55	0
56	MG	1A	3226	1/1	0.90	0.18	58,58,58,58	0
56	MG	1a	1763	1/1	0.90	0.21	61,61,61,61	0
56	MG	1A	3416	1/1	0.90	0.19	56,56,56,56	0
56	MG	1a	1767	1/1	0.90	0.10	62,62,62,62	0
56	MG	2A	3411	1/1	0.90	0.20	57,57,57,57	0
56	MG	1a	1768	1/1	0.90	0.09	70,70,70,70	0
56	MG	1A	3851	1/1	0.90	0.36	44,44,44,44	0
56	MG	1A	3621	1/1	0.90	0.12	57,57,57,57	0
56	MG	1a	1639	1/1	0.90	0.18	68,68,68,68	0
56	MG	2a	1799	1/1	0.90	0.19	71,71,71,71	0
56	MG	1E	311	1/1	0.90	0.11	27,27,27,27	0
56	MG	1A	3739	1/1	0.90	0.08	29,29,29,29	0
56	MG	2A	3650	1/1	0.90	0.12	54,54,54,54	0
56	MG	1A	3049	1/1	0.90	0.07	26,26,26,26	0
56	MG	2a	1609	1/1	0.90	0.41	77,77,77,77	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	0.90	0.49	77,77,77,77	0
56	MG	1E	318	1/1	0.90	0.17	45,45,45,45	0
56	MG	1F	311	1/1	0.90	0.13	54,54,54,54	0
56	MG	2A	3275	1/1	0.90	0.36	58,58,58,58	0
56	MG	2a	1810	1/1	0.90	0.13	69,69,69,69	0
56	MG	1a	1653	1/1	0.90	0.25	73,73,73,73	0
56	MG	1A	3198	1/1	0.90	0.18	49,49,49,49	0
56	MG	1A	3635	1/1	0.90	0.12	26,26,26,26	0
56	MG	2A	3435	1/1	0.90	0.31	74,74,74,74	0
56	MG	1A	3422	1/1	0.90	0.14	59,59,59,59	0
56	MG	1I	201	1/1	0.90	0.14	67,67,67,67	0
56	MG	1A	3307	1/1	0.90	0.22	69,69,69,69	0
56	MG	1A	3865	1/1	0.90	0.19	39,39,39,39	0
56	MG	1d	301	1/1	0.90	0.15	78,78,78,78	0
56	MG	1A	3168	1/1	0.90	0.25	39,39,39,39	0
56	MG	2a	1825	1/1	0.90	0.30	63,63,63,63	0
56	MG	1A	3486	1/1	0.90	0.13	57,57,57,57	0
56	MG	1A	3392	1/1	0.90	0.34	74,74,74,74	0
56	MG	2A	3678	1/1	0.90	0.20	59,59,59,59	0
56	MG	2A	3459	1/1	0.90	0.31	65,65,65,65	0
56	MG	1m	3002	1/1	0.90	0.24	69,69,69,69	0
56	MG	1A	3650	1/1	0.90	0.11	60,60,60,60	0
56	MG	2A	3301	1/1	0.90	0.29	62,62,62,62	0
56	MG	2A	3686	1/1	0.90	0.33	53,53,53,53	0
56	MG	1a	1672	1/1	0.90	0.26	65,65,65,65	0
56	MG	2a	1638	1/1	0.90	0.40	78,78,78,78	0
56	MG	1r	101	1/1	0.90	0.30	69,69,69,69	0
56	MG	1Q	201	1/1	0.90	0.27	44,44,44,44	0
56	MG	2a	1642	1/1	0.90	0.33	70,70,70,70	0
56	MG	2A	3159	1/1	0.90	0.23	61,61,61,61	0
56	MG	1A	3778	1/1	0.90	0.08	69,69,69,69	0
56	MG	1R	202	1/1	0.90	0.33	64,64,64,64	0
56	MG	2v	103	1/1	0.90	0.26	59,59,59,59	0
56	MG	2A	3310	1/1	0.90	0.20	72,72,72,72	0
56	MG	1R	205	1/1	0.90	0.26	58,58,58,58	0
56	MG	1x	107	1/1	0.90	0.22	71,71,71,71	0
56	MG	2a	1651	1/1	0.90	0.15	74,74,74,74	0
56	MG	2x	103	1/1	0.90	0.11	72,72,72,72	0
56	MG	1R	206	1/1	0.90	0.18	35,35,35,35	0
56	MG	2A	3517	1/1	0.90	0.17	51,51,51,51	0
56	MG	2A	3167	1/1	0.90	0.22	62,62,62,62	0
56	MG	1x	112	1/1	0.90	0.21	76,76,76,76	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1a	1682	1/1	0.90	0.31	66,66,66,66	0
56	MG	1A	3887	1/1	0.90	0.13	69,69,69,69	0
56	MG	2A	3719	1/1	0.90	0.12	62,62,62,62	0
56	MG	2a	1631	1/1	0.91	0.28	55,55,55,55	0
56	MG	2a	1632	1/1	0.91	0.29	56,56,56,56	0
56	MG	1A	3482	1/1	0.91	0.20	60,60,60,60	0
56	MG	1W	201	1/1	0.91	0.12	53,53,53,53	0
56	MG	1A	4070	1/1	0.91	0.26	69,69,69,69	0
56	MG	1A	3554	1/1	0.91	0.30	58,58,58,58	0
56	MG	1A	3940	1/1	0.91	0.11	58,58,58,58	0
56	MG	10	102	1/1	0.91	0.13	59,59,59,59	0
56	MG	2A	3676	1/1	0.91	0.21	42,42,42,42	0
56	MG	2A	3266	1/1	0.91	0.31	74,74,74,74	0
56	MG	10	105	1/1	0.91	0.24	68,68,68,68	0
56	MG	2A	3272	1/1	0.91	0.18	62,62,62,62	0
56	MG	1A	3483	1/1	0.91	0.20	60,60,60,60	0
56	MG	2A	3443	1/1	0.91	0.29	67,67,67,67	0
56	MG	1A	3564	1/1	0.91	0.10	42,42,42,42	0
56	MG	1A	3169	1/1	0.91	0.22	64,64,64,64	0
56	MG	2A	3448	1/1	0.91	0.11	57,57,57,57	0
56	MG	2A	3690	1/1	0.91	0.24	64,64,64,64	0
56	MG	1A	3570	1/1	0.91	0.27	64,64,64,64	0
56	MG	1A	3694	1/1	0.91	0.22	61,61,61,61	0
56	MG	2a	1655	1/1	0.91	0.34	72,72,72,72	0
56	MG	2A	3693	1/1	0.91	0.12	69,69,69,69	0
56	MG	2A	3280	1/1	0.91	0.18	62,62,62,62	0
56	MG	2A	3696	1/1	0.91	0.18	61,61,61,61	0
56	MG	2A	3456	1/1	0.91	0.14	38,38,38,38	0
56	MG	2A	3107	1/1	0.91	0.21	56,56,56,56	0
56	MG	2A	3283	1/1	0.91	0.19	65,65,65,65	0
56	MG	2A	3284	1/1	0.91	0.10	60,60,60,60	0
56	MG	1A	3427	1/1	0.91	0.09	55,55,55,55	0
56	MG	1A	3090	1/1	0.91	0.27	61,61,61,61	0
56	MG	2A	3479	1/1	0.91	0.14	54,54,54,54	0
56	MG	2A	3710	1/1	0.91	0.11	64,64,64,64	0
56	MG	2A	3713	1/1	0.91	0.14	63,63,63,63	0
56	MG	2A	3480	1/1	0.91	0.26	60,60,60,60	0
56	MG	1A	3952	1/1	0.91	0.09	69,69,69,69	0
56	MG	2a	1681	1/1	0.91	0.32	63,63,63,63	0
56	MG	1A	3825	1/1	0.91	0.12	67,67,67,67	0
56	MG	2A	3292	1/1	0.91	0.13	63,63,63,63	0
56	MG	1A	3828	1/1	0.91	0.10	37,37,37,37	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	3432	1/1	0.91	0.18	57,57,57,57	0
56	MG	2A	3724	1/1	0.91	0.13	54,54,54,54	0
56	MG	2A	3119	1/1	0.91	0.10	50,50,50,50	0
56	MG	1A	3434	1/1	0.91	0.12	76,76,76,76	0
56	MG	2A	3727	1/1	0.91	0.12	66,66,66,66	0
56	MG	1A	3234	1/1	0.91	0.11	56,56,56,56	0
56	MG	2A	3512	1/1	0.91	0.17	64,64,64,64	0
56	MG	2A	3126	1/1	0.91	0.19	78,78,78,78	0
56	MG	1a	1772	1/1	0.91	0.14	64,64,64,64	0
56	MG	1A	3261	1/1	0.91	0.17	62,62,62,62	0
56	MG	2A	3734	1/1	0.91	0.18	59,59,59,59	0
56	MG	1A	3321	1/1	0.91	0.18	54,54,54,54	0
56	MG	1A	3713	1/1	0.91	0.22	52,52,52,52	0
56	MG	1A	3244	1/1	0.91	0.26	54,54,54,54	0
56	MG	2A	3741	1/1	0.91	0.17	45,45,45,45	0
56	MG	2a	1703	1/1	0.91	0.31	68,68,68,68	0
56	MG	1A	3356	1/1	0.91	0.16	66,66,66,66	0
56	MG	2A	3744	1/1	0.91	0.09	37,37,37,37	0
56	MG	2A	3747	1/1	0.91	0.10	46,46,46,46	0
56	MG	2A	3141	1/1	0.91	0.18	63,63,63,63	0
56	MG	2a	1709	1/1	0.91	0.19	77,77,77,77	0
56	MG	1A	3975	1/1	0.91	0.10	29,29,29,29	0
56	MG	2A	3311	1/1	0.91	0.09	63,63,63,63	0
56	MG	1B	202	1/1	0.91	0.31	62,62,62,62	0
56	MG	1A	3719	1/1	0.91	0.11	54,54,54,54	0
56	MG	2a	1715	1/1	0.91	0.14	69,69,69,69	0
56	MG	1B	204	1/1	0.91	0.27	67,67,67,67	0
56	MG	1A	3455	1/1	0.91	0.14	50,50,50,50	0
56	MG	1A	3357	1/1	0.91	0.11	66,66,66,66	0
56	MG	1A	3326	1/1	0.91	0.16	60,60,60,60	0
56	MG	1a	1627	1/1	0.91	0.30	66,66,66,66	0
56	MG	1A	3849	1/1	0.91	0.10	39,39,39,39	0
56	MG	2A	3543	1/1	0.91	0.20	75,75,75,75	0
56	MG	1A	3593	1/1	0.91	0.11	45,45,45,45	0
56	MG	2A	3779	1/1	0.91	0.12	69,69,69,69	0
56	MG	1B	216	1/1	0.91	0.09	68,68,68,68	0
56	MG	1A	3731	1/1	0.91	0.15	58,58,58,58	0
56	MG	2A	3785	1/1	0.91	0.18	57,57,57,57	0
56	MG	1A	3992	1/1	0.91	0.13	66,66,66,66	0
56	MG	2a	1732	1/1	0.91	0.45	67,67,67,67	0
56	MG	1A	3511	1/1	0.91	0.28	39,39,39,39	0
56	MG	1a	1643	1/1	0.91	0.17	63,63,63,63	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3790	1/1	0.91	0.22	66,66,66,66	0
56	MG	2A	3330	1/1	0.91	0.11	71,71,71,71	0
56	MG	1A	3297	1/1	0.91	0.31	52,52,52,52	0
56	MG	2a	1741	1/1	0.91	0.11	76,76,76,76	0
56	MG	1A	3513	1/1	0.91	0.12	66,66,66,66	0
56	MG	2A	3172	1/1	0.91	0.25	65,65,65,65	0
56	MG	1A	3736	1/1	0.91	0.11	24,24,24,24	0
56	MG	2a	1746	1/1	0.91	0.15	62,62,62,62	0
56	MG	2A	3176	1/1	0.91	0.18	53,53,53,53	0
56	MG	2A	3339	1/1	0.91	0.26	72,72,72,72	0
56	MG	1A	3737	1/1	0.91	0.11	37,37,37,37	0
56	MG	1A	3360	1/1	0.91	0.14	62,62,62,62	0
56	MG	2A	3571	1/1	0.91	0.11	59,59,59,59	0
56	MG	2A	3572	1/1	0.91	0.25	70,70,70,70	0
56	MG	1A	3863	1/1	0.91	0.10	35,35,35,35	0
56	MG	2a	1759	1/1	0.91	0.14	59,59,59,59	0
56	MG	2A	3579	1/1	0.91	0.14	48,48,48,48	0
56	MG	2A	3806	1/1	0.91	0.20	69,69,69,69	0
56	MG	1B	231	1/1	0.91	0.09	58,58,58,58	0
56	MG	2A	3581	1/1	0.91	0.11	55,55,55,55	0
56	MG	2a	1767	1/1	0.91	0.11	72,72,72,72	0
56	MG	1x	108	1/1	0.91	0.34	76,76,76,76	0
56	MG	1a	1657	1/1	0.91	0.18	67,67,67,67	0
56	MG	2A	3346	1/1	0.91	0.17	59,59,59,59	0
56	MG	2A	3586	1/1	0.91	0.24	69,69,69,69	0
56	MG	2B	207	1/1	0.91	0.12	72,72,72,72	0
56	MG	1A	3361	1/1	0.91	0.24	56,56,56,56	0
56	MG	2a	1777	1/1	0.91	0.16	56,56,56,56	0
56	MG	1A	3093	1/1	0.91	0.23	57,57,57,57	0
56	MG	2B	210	1/1	0.91	0.33	68,68,68,68	0
56	MG	1A	4010	1/1	0.91	0.10	64,64,64,64	0
56	MG	1D	302	1/1	0.91	0.22	44,44,44,44	0
56	MG	2A	3003	1/1	0.91	0.24	57,57,57,57	0
56	MG	2B	214	1/1	0.91	0.29	67,67,67,67	0
56	MG	1D	304	1/1	0.91	0.10	43,43,43,43	0
56	MG	1A	3330	1/1	0.91	0.26	60,60,60,60	0
56	MG	1A	3870	1/1	0.91	0.20	43,43,43,43	0
56	MG	1a	1668	1/1	0.91	0.28	64,64,64,64	0
56	MG	2A	3019	1/1	0.91	0.19	51,51,51,51	0
56	MG	1a	1669	1/1	0.91	0.11	47,47,47,47	0
56	MG	1A	3743	1/1	0.91	0.13	42,42,42,42	0
56	MG	2E	308	1/1	0.91	0.15	49,49,49,49	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	3610	1/1	0.91	0.22	57,57,57,57	0
56	MG	1A	3747	1/1	0.91	0.15	52,52,52,52	0
56	MG	1A	3878	1/1	0.91	0.14	33,33,33,33	0
56	MG	1A	3749	1/1	0.91	0.10	41,41,41,41	0
56	MG	2A	3368	1/1	0.91	0.35	68,68,68,68	0
56	MG	1A	3368	1/1	0.91	0.14	54,54,54,54	0
56	MG	1A	3120	1/1	0.91	0.16	42,42,42,42	0
56	MG	1A	3131	1/1	0.91	0.10	65,65,65,65	0
56	MG	1F	310	1/1	0.91	0.17	55,55,55,55	0
56	MG	2R	201	1/1	0.91	0.12	53,53,53,53	0
56	MG	1A	4027	1/1	0.91	0.11	56,56,56,56	0
56	MG	2T	202	1/1	0.91	0.12	72,72,72,72	0
56	MG	2A	3042	1/1	0.91	0.14	58,58,58,58	0
56	MG	2T	204	1/1	0.91	0.22	72,72,72,72	0
56	MG	1A	3756	1/1	0.91	0.13	25,25,25,25	0
56	MG	1A	3897	1/1	0.91	0.17	70,70,70,70	0
56	MG	2V	202	1/1	0.91	0.18	64,64,64,64	0
56	MG	1A	3414	1/1	0.91	0.18	66,66,66,66	0
56	MG	1A	3335	1/1	0.91	0.20	57,57,57,57	0
56	MG	1A	3372	1/1	0.91	0.25	54,54,54,54	0
56	MG	2A	3384	1/1	0.91	0.24	57,57,57,57	0
56	MG	20	102	1/1	0.91	0.18	61,61,61,61	0
56	MG	2A	3229	1/1	0.91	0.10	78,78,78,78	0
56	MG	2A	3621	1/1	0.91	0.22	61,61,61,61	0
56	MG	2a	1823	1/1	0.91	0.32	62,62,62,62	0
56	MG	1A	3770	1/1	0.91	0.11	70,70,70,70	0
56	MG	2A	3051	1/1	0.91	0.18	77,77,77,77	0
56	MG	2A	3388	1/1	0.91	0.31	63,63,63,63	0
56	MG	1O	203	1/1	0.91	0.20	63,63,63,63	0
56	MG	1A	3774	1/1	0.91	0.13	42,42,42,42	0
56	MG	1A	3777	1/1	0.91	0.12	30,30,30,30	0
56	MG	1A	3375	1/1	0.91	0.14	42,42,42,42	0
56	MG	1A	4045	1/1	0.91	0.14	61,61,61,61	0
56	MG	1A	3912	1/1	0.91	0.12	53,53,53,53	0
56	MG	2I	201	1/1	0.91	0.18	72,72,72,72	0
56	MG	1A	3474	1/1	0.91	0.23	50,50,50,50	0
56	MG	1Q	205	1/1	0.91	0.15	60,60,60,60	0
56	MG	1A	3027	1/1	0.91	0.23	82,82,82,82	0
56	MG	2A	3402	1/1	0.91	0.15	72,72,72,72	0
56	MG	1A	3649	1/1	0.91	0.14	51,51,51,51	0
56	MG	1A	3919	1/1	0.91	0.10	46,46,46,46	0
56	MG	1A	3534	1/1	0.91	0.24	56,56,56,56	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	3538	1/1	0.91	0.12	53,53,53,53	0
56	MG	1a	1729	1/1	0.91	0.16	58,58,58,58	0
56	MG	1A	3250	1/1	0.91	0.15	68,68,68,68	0
56	MG	1A	3230	1/1	0.91	0.10	56,56,56,56	0
56	MG	2a	1620	1/1	0.91	0.10	65,65,65,65	0
56	MG	1A	3542	1/1	0.91	0.26	64,64,64,64	0
56	MG	1T	202	1/1	0.91	0.15	69,69,69,69	0
56	MG	2A	3251	1/1	0.91	0.28	68,68,68,68	0
56	MG	1A	3549	1/1	0.91	0.39	61,61,61,61	0
56	MG	1U	204	1/1	0.91	0.27	40,40,40,40	0
56	MG	1V	202	1/1	0.91	0.23	43,43,43,43	0
56	MG	2A	3664	1/1	0.91	0.13	61,61,61,61	0
56	MG	2A	3422	1/1	0.91	0.12	44,44,44,44	0
56	MG	1A	3480	1/1	0.91	0.10	60,60,60,60	0
56	MG	1A	3082	1/1	0.92	0.28	52,52,52,52	0
56	MG	1A	3967	1/1	0.92	0.15	48,48,48,48	0
56	MG	1a	1637	1/1	0.92	0.28	63,63,63,63	0
56	MG	1A	3824	1/1	0.92	0.19	60,60,60,60	0
56	MG	1A	3558	1/1	0.92	0.27	46,46,46,46	0
56	MG	2A	3207	1/1	0.92	0.16	64,64,64,64	0
56	MG	1a	1640	1/1	0.92	0.16	61,61,61,61	0
56	MG	2A	3392	1/1	0.92	0.13	62,62,62,62	0
56	MG	1x	111	1/1	0.92	0.17	37,37,37,37	0
56	MG	1B	219	1/1	0.92	0.21	52,52,52,52	0
56	MG	1A	3691	1/1	0.92	0.10	36,36,36,36	0
56	MG	1A	3481	1/1	0.92	0.10	57,57,57,57	0
56	MG	2A	3667	1/1	0.92	0.12	71,71,71,71	0
56	MG	1A	3415	1/1	0.92	0.35	69,69,69,69	0
56	MG	1A	3700	1/1	0.92	0.10	31,31,31,31	0
56	MG	1A	3978	1/1	0.92	0.08	21,21,21,21	0
56	MG	1A	3702	1/1	0.92	0.12	36,36,36,36	0
56	MG	2A	3011	1/1	0.92	0.11	44,44,44,44	0
56	MG	2a	1644	1/1	0.92	0.12	83,83,83,83	0
56	MG	2A	3223	1/1	0.92	0.17	61,61,61,61	0
56	MG	1A	3568	1/1	0.92	0.13	72,72,72,72	0
56	MG	1A	3704	1/1	0.92	0.07	61,61,61,61	0
56	MG	2A	3226	1/1	0.92	0.20	69,69,69,69	0
56	MG	1A	3056	1/1	0.92	0.27	54,54,54,54	0
56	MG	1A	3485	1/1	0.92	0.17	51,51,51,51	0
56	MG	1A	3274	1/1	0.92	0.09	46,46,46,46	0
56	MG	2A	3683	1/1	0.92	0.12	66,66,66,66	0
56	MG	1A	3364	1/1	0.92	0.23	48,48,48,48	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2a	1656	1/1	0.92	0.18	82,82,82,82	0
56	MG	1A	3492	1/1	0.92	0.16	51,51,51,51	0
56	MG	1A	3365	1/1	0.92	0.15	62,62,62,62	0
56	MG	2a	1660	1/1	0.92	0.09	59,59,59,59	0
56	MG	1a	1664	1/1	0.92	0.28	71,71,71,71	0
56	MG	2A	3235	1/1	0.92	0.11	64,64,64,64	0
56	MG	1A	3848	1/1	0.92	0.12	25,25,25,25	0
56	MG	2a	1666	1/1	0.92	0.34	74,74,74,74	0
56	MG	1A	3714	1/1	0.92	0.10	47,47,47,47	0
56	MG	1A	3366	1/1	0.92	0.18	50,50,50,50	0
56	MG	2A	3037	1/1	0.92	0.24	65,65,65,65	0
56	MG	2a	1672	1/1	0.92	0.19	71,71,71,71	0
56	MG	2A	3697	1/1	0.92	0.11	47,47,47,47	0
56	MG	1A	4001	1/1	0.92	0.07	44,44,44,44	0
56	MG	1A	3324	1/1	0.92	0.22	52,52,52,52	0
56	MG	2A	3040	1/1	0.92	0.15	58,58,58,58	0
56	MG	2A	3705	1/1	0.92	0.10	55,55,55,55	0
56	MG	2A	3041	1/1	0.92	0.23	73,73,73,73	0
56	MG	1A	3149	1/1	0.92	0.19	35,35,35,35	0
56	MG	1a	1673	1/1	0.92	0.33	68,68,68,68	0
56	MG	1A	3089	1/1	0.92	0.16	51,51,51,51	0
56	MG	1a	1675	1/1	0.92	0.30	63,63,63,63	0
56	MG	1E	312	1/1	0.92	0.13	68,68,68,68	0
56	MG	1A	3202	1/1	0.92	0.07	45,45,45,45	0
56	MG	1A	3857	1/1	0.92	0.14	63,63,63,63	0
56	MG	2A	3451	1/1	0.92	0.12	55,55,55,55	0
56	MG	2A	3452	1/1	0.92	0.09	58,58,58,58	0
56	MG	1A	3289	1/1	0.92	0.11	57,57,57,57	0
56	MG	1a	1681	1/1	0.92	0.31	55,55,55,55	0
56	MG	1F	309	1/1	0.92	0.10	52,52,52,52	0
56	MG	1A	3374	1/1	0.92	0.19	42,42,42,42	0
56	MG	1A	3247	1/1	0.92	0.25	46,46,46,46	0
56	MG	1A	3439	1/1	0.92	0.28	42,42,42,42	0
56	MG	2A	3460	1/1	0.92	0.18	45,45,45,45	0
56	MG	2A	3463	1/1	0.92	0.15	58,58,58,58	0
56	MG	1a	1687	1/1	0.92	0.22	61,61,61,61	0
56	MG	1A	3443	1/1	0.92	0.12	65,65,65,65	0
56	MG	2A	3477	1/1	0.92	0.10	68,68,68,68	0
56	MG	2A	3061	1/1	0.92	0.37	66,66,66,66	0
56	MG	1A	3018	1/1	0.92	0.08	47,47,47,47	0
56	MG	1A	3379	1/1	0.92	0.13	51,51,51,51	0
56	MG	2A	3265	1/1	0.92	0.19	69,69,69,69	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	3601	1/1	0.92	0.12	62,62,62,62	0
56	MG	2A	3267	1/1	0.92	0.33	70,70,70,70	0
56	MG	2A	3487	1/1	0.92	0.17	51,51,51,51	0
56	MG	2A	3746	1/1	0.92	0.18	63,63,63,63	0
56	MG	2A	3488	1/1	0.92	0.07	51,51,51,51	0
56	MG	2A	3269	1/1	0.92	0.35	60,60,60,60	0
56	MG	1N	203	1/1	0.92	0.10	51,51,51,51	0
56	MG	2A	3755	1/1	0.92	0.11	51,51,51,51	0
56	MG	1A	3108	1/1	0.92	0.30	34,34,34,34	0
56	MG	2A	3071	1/1	0.92	0.23	46,46,46,46	0
56	MG	2A	3759	1/1	0.92	0.12	60,60,60,60	0
56	MG	1A	4025	1/1	0.92	0.06	47,47,47,47	0
56	MG	2A	3505	1/1	0.92	0.10	38,38,38,38	0
56	MG	2A	3506	1/1	0.92	0.14	64,64,64,64	0
56	MG	2A	3765	1/1	0.92	0.16	66,66,66,66	0
56	MG	2A	3509	1/1	0.92	0.11	34,34,34,34	0
56	MG	1A	3002	1/1	0.92	0.10	52,52,52,52	0
56	MG	1A	3608	1/1	0.92	0.10	37,37,37,37	0
56	MG	1A	3451	1/1	0.92	0.21	69,69,69,69	0
56	MG	2A	3079	1/1	0.92	0.08	54,54,54,54	0
56	MG	1A	3879	1/1	0.92	0.10	44,44,44,44	0
56	MG	1A	3339	1/1	0.92	0.15	70,70,70,70	0
56	MG	1A	3882	1/1	0.92	0.14	30,30,30,30	0
56	MG	1a	1713	1/1	0.92	0.12	52,52,52,52	0
56	MG	1A	3886	1/1	0.92	0.08	21,21,21,21	0
56	MG	2A	3288	1/1	0.92	0.14	57,57,57,57	0
56	MG	1R	201	1/1	0.92	0.13	57,57,57,57	0
56	MG	2A	3290	1/1	0.92	0.11	58,58,58,58	0
56	MG	2A	3789	1/1	0.92	0.17	69,69,69,69	0
56	MG	1a	1719	1/1	0.92	0.16	53,53,53,53	0
56	MG	1a	1720	1/1	0.92	0.20	64,64,64,64	0
56	MG	1A	3616	1/1	0.92	0.14	62,62,62,62	0
56	MG	2A	3294	1/1	0.92	0.19	68,68,68,68	0
56	MG	1A	3888	1/1	0.92	0.08	44,44,44,44	0
56	MG	1A	3620	1/1	0.92	0.16	45,45,45,45	0
56	MG	2A	3541	1/1	0.92	0.08	41,41,41,41	0
56	MG	1A	3252	1/1	0.92	0.14	35,35,35,35	0
56	MG	1A	3341	1/1	0.92	0.23	50,50,50,50	0
56	MG	1A	3896	1/1	0.92	0.26	35,35,35,35	0
56	MG	1A	3253	1/1	0.92	0.10	62,62,62,62	0
56	MG	1A	3393	1/1	0.92	0.14	64,64,64,64	0
56	MG	1A	3347	1/1	0.92	0.29	73,73,73,73	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	3760	1/1	0.92	0.08	29,29,29,29	0
56	MG	1A	3123	1/1	0.92	0.19	56,56,56,56	0
56	MG	2A	3807	1/1	0.92	0.13	72,72,72,72	0
56	MG	1A	3124	1/1	0.92	0.24	39,39,39,39	0
56	MG	1A	3764	1/1	0.92	0.08	34,34,34,34	0
56	MG	2a	1773	1/1	0.92	0.10	69,69,69,69	0
56	MG	1A	3305	1/1	0.92	0.11	51,51,51,51	0
56	MG	1A	3126	1/1	0.92	0.29	40,40,40,40	0
56	MG	2A	3312	1/1	0.92	0.16	68,68,68,68	0
56	MG	1X	104	1/1	0.92	0.41	53,53,53,53	0
56	MG	2a	1779	1/1	0.92	0.24	78,78,78,78	0
56	MG	1A	3771	1/1	0.92	0.08	49,49,49,49	0
56	MG	2A	3117	1/1	0.92	0.28	65,65,65,65	0
56	MG	2A	3564	1/1	0.92	0.14	63,63,63,63	0
56	MG	2A	3565	1/1	0.92	0.16	54,54,54,54	0
56	MG	1A	3258	1/1	0.92	0.16	51,51,51,51	0
56	MG	1A	3354	1/1	0.92	0.17	68,68,68,68	0
56	MG	2A	3122	1/1	0.92	0.13	67,67,67,67	0
56	MG	1Z	303	1/1	0.92	0.23	57,57,57,57	0
56	MG	2a	1790	1/1	0.92	0.14	67,67,67,67	0
56	MG	1a	1752	1/1	0.92	0.14	77,77,77,77	0
56	MG	1a	1753	1/1	0.92	0.19	62,62,62,62	0
56	MG	1A	3535	1/1	0.92	0.20	61,61,61,61	0
56	MG	2A	3134	1/1	0.92	0.21	50,50,50,50	0
56	MG	1A	3652	1/1	0.92	0.13	40,40,40,40	0
56	MG	2E	303	1/1	0.92	0.30	64,64,64,64	0
56	MG	1A	3653	1/1	0.92	0.07	27,27,27,27	0
56	MG	2E	306	1/1	0.92	0.10	38,38,38,38	0
56	MG	1A	3259	1/1	0.92	0.14	66,66,66,66	0
56	MG	2A	3329	1/1	0.92	0.35	72,72,72,72	0
56	MG	1A	3790	1/1	0.92	0.13	31,31,31,31	0
56	MG	1A	3932	1/1	0.92	0.11	30,30,30,30	0
56	MG	2A	3334	1/1	0.92	0.11	65,65,65,65	0
56	MG	1A	3791	1/1	0.92	0.10	25,25,25,25	0
56	MG	1A	3539	1/1	0.92	0.12	66,66,66,66	0
56	MG	13	103	1/1	0.92	0.20	58,58,58,58	0
56	MG	1A	3309	1/1	0.92	0.28	58,58,58,58	0
56	MG	2A	3149	1/1	0.92	0.10	45,45,45,45	0
56	MG	1A	3795	1/1	0.92	0.09	44,44,44,44	0
56	MG	15	103	1/1	0.92	0.14	42,42,42,42	0
56	MG	1a	1771	1/1	0.92	0.15	81,81,81,81	0
56	MG	1A	3409	1/1	0.92	0.19	46,46,46,46	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	3658	1/1	0.92	0.09	43,43,43,43	0
56	MG	1a	1776	1/1	0.92	0.14	78,78,78,78	0
56	MG	18	102	1/1	0.92	0.24	53,53,53,53	0
56	MG	1A	3011	1/1	0.92	0.11	56,56,56,56	0
56	MG	2a	1818	1/1	0.92	0.21	64,64,64,64	0
56	MG	2a	1819	1/1	0.92	0.25	65,65,65,65	0
56	MG	18	105	1/1	0.92	0.17	52,52,52,52	0
56	MG	1A	3943	1/1	0.92	0.09	55,55,55,55	0
56	MG	2W	202	1/1	0.92	0.43	56,56,56,56	0
56	MG	2A	3351	1/1	0.92	0.27	47,47,47,47	0
56	MG	1A	3664	1/1	0.92	0.08	34,34,34,34	0
56	MG	1A	3668	1/1	0.92	0.06	30,30,30,30	0
56	MG	1A	3228	1/1	0.92	0.15	40,40,40,40	0
56	MG	20	104	1/1	0.92	0.15	58,58,58,58	0
56	MG	1A	3017	1/1	0.92	0.20	65,65,65,65	0
56	MG	1A	3949	1/1	0.92	0.06	38,38,38,38	0
56	MG	2A	3175	1/1	0.92	0.21	68,68,68,68	0
56	MG	25	104	1/1	0.92	0.14	53,53,53,53	0
56	MG	1A	3477	1/1	0.92	0.20	67,67,67,67	0
56	MG	2A	3178	1/1	0.92	0.30	64,64,64,64	0
56	MG	2A	3179	1/1	0.92	0.10	51,51,51,51	0
56	MG	1a	1614	1/1	0.92	0.18	60,60,60,60	0
56	MG	2A	3364	1/1	0.92	0.28	63,63,63,63	0
56	MG	2A	3623	1/1	0.92	0.28	74,74,74,74	0
56	MG	1A	3140	1/1	0.92	0.17	43,43,43,43	0
56	MG	1a	1796	1/1	0.92	0.15	72,72,72,72	0
56	MG	1a	1619	1/1	0.92	0.35	71,71,71,71	0
56	MG	1A	3683	1/1	0.92	0.12	37,37,37,37	0
56	MG	1B	201	1/1	0.92	0.21	56,56,56,56	0
56	MG	2A	3371	1/1	0.92	0.35	62,62,62,62	0
56	MG	1f	3101	1/1	0.92	0.20	55,55,55,55	0
56	MG	2A	3191	1/1	0.92	0.11	48,48,48,48	0
56	MG	1A	3812	1/1	0.92	0.08	50,50,50,50	0
56	MG	1A	3813	1/1	0.92	0.07	42,42,42,42	0
56	MG	1A	3684	1/1	0.92	0.17	30,30,30,30	0
56	MG	1A	3685	1/1	0.92	0.09	24,24,24,24	0
56	MG	2A	3196	1/1	0.92	0.19	63,63,63,63	0
56	MG	1A	3962	1/1	0.92	0.18	65,65,65,65	0
56	MG	1a	1631	1/1	0.92	0.23	75,75,75,75	0
56	MG	1A	3686	1/1	0.92	0.10	29,29,29,29	0
56	MG	1w	105	1/1	0.92	0.29	67,67,67,67	0
56	MG	2a	1652	1/1	0.93	0.13	62,62,62,62	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3519	1/1	0.93	0.20	43,43,43,43	0
56	MG	1A	3643	1/1	0.93	0.07	33,33,33,33	0
56	MG	1U	202	1/1	0.93	0.23	46,46,46,46	0
56	MG	1A	3440	1/1	0.93	0.12	48,48,48,48	0
56	MG	1A	3442	1/1	0.93	0.17	42,42,42,42	0
56	MG	1A	4084	1/1	0.93	0.09	32,32,32,32	0
56	MG	1V	203	1/1	0.93	0.38	35,35,35,35	0
56	MG	1A	3552	1/1	0.93	0.28	65,65,65,65	0
56	MG	1A	3491	1/1	0.93	0.18	38,38,38,38	0
56	MG	1a	1696	1/1	0.93	0.09	49,49,49,49	0
56	MG	1a	1697	1/1	0.93	0.37	57,57,57,57	0
56	MG	2A	3737	1/1	0.93	0.06	54,54,54,54	0
56	MG	1A	3745	1/1	0.93	0.12	52,52,52,52	0
56	MG	1a	1702	1/1	0.93	0.39	66,66,66,66	0
56	MG	1W	203	1/1	0.93	0.25	47,47,47,47	0
56	MG	1A	3237	1/1	0.93	0.11	47,47,47,47	0
56	MG	1A	4089	1/1	0.93	0.09	56,56,56,56	0
56	MG	1A	3969	1/1	0.93	0.17	66,66,66,66	0
56	MG	1Y	203	1/1	0.93	0.35	53,53,53,53	0
56	MG	1A	3269	1/1	0.93	0.08	47,47,47,47	0
56	MG	2a	1679	1/1	0.93	0.28	66,66,66,66	0
56	MG	2A	3749	1/1	0.93	0.09	57,57,57,57	0
56	MG	1A	3316	1/1	0.93	0.22	38,38,38,38	0
56	MG	1A	3130	1/1	0.93	0.13	44,44,44,44	0
56	MG	2a	1683	1/1	0.93	0.16	53,53,53,53	0
56	MG	10	104	1/1	0.93	0.18	48,48,48,48	0
56	MG	1A	3858	1/1	0.93	0.07	27,27,27,27	0
56	MG	1A	3447	1/1	0.93	0.08	51,51,51,51	0
56	MG	2A	3209	1/1	0.93	0.37	48,48,48,48	0
56	MG	1A	3449	1/1	0.93	0.17	47,47,47,47	0
56	MG	1A	3402	1/1	0.93	0.12	47,47,47,47	0
56	MG	1A	3162	1/1	0.93	0.35	34,34,34,34	0
56	MG	2A	3054	1/1	0.93	0.20	58,58,58,58	0
56	MG	2A	3557	1/1	0.93	0.12	47,47,47,47	0
56	MG	1A	3452	1/1	0.93	0.09	58,58,58,58	0
56	MG	1A	3050	1/1	0.93	0.16	30,30,30,30	0
56	MG	1A	3986	1/1	0.93	0.10	55,55,55,55	0
56	MG	2A	3775	1/1	0.93	0.07	48,48,48,48	0
56	MG	2A	3777	1/1	0.93	0.13	46,46,46,46	0
56	MG	2A	3561	1/1	0.93	0.11	68,68,68,68	0
56	MG	2A	3361	1/1	0.93	0.08	52,52,52,52	0
56	MG	1B	208	1/1	0.93	0.24	62,62,62,62	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3567	1/1	0.93	0.10	61,61,61,61	0
56	MG	2A	3783	1/1	0.93	0.12	61,61,61,61	0
56	MG	1B	209	1/1	0.93	0.11	55,55,55,55	0
56	MG	1A	3866	1/1	0.93	0.14	39,39,39,39	0
56	MG	1A	3867	1/1	0.93	0.26	39,39,39,39	0
56	MG	1A	3200	1/1	0.93	0.14	44,44,44,44	0
56	MG	2A	3576	1/1	0.93	0.07	45,45,45,45	0
56	MG	1A	3766	1/1	0.93	0.07	57,57,57,57	0
56	MG	2A	3066	1/1	0.93	0.17	50,50,50,50	0
56	MG	2a	1713	1/1	0.93	0.15	59,59,59,59	0
56	MG	1A	3288	1/1	0.93	0.12	65,65,65,65	0
56	MG	1A	3873	1/1	0.93	0.07	33,33,33,33	0
56	MG	1a	1744	1/1	0.93	0.12	70,70,70,70	0
56	MG	1A	3165	1/1	0.93	0.17	40,40,40,40	0
56	MG	1A	3579	1/1	0.93	0.12	44,44,44,44	0
56	MG	1A	3016	1/1	0.93	0.25	54,54,54,54	0
56	MG	1A	3581	1/1	0.93	0.31	72,72,72,72	0
56	MG	1B	225	1/1	0.93	0.11	57,57,57,57	0
56	MG	2a	1724	1/1	0.93	0.36	62,62,62,62	0
56	MG	1a	1605	1/1	0.93	0.16	53,53,53,53	0
56	MG	2A	3081	1/1	0.93	0.08	57,57,57,57	0
56	MG	2A	3380	1/1	0.93	0.20	48,48,48,48	0
56	MG	2A	3381	1/1	0.93	0.13	44,44,44,44	0
56	MG	1A	3331	1/1	0.93	0.33	64,64,64,64	0
56	MG	1A	3134	1/1	0.93	0.10	42,42,42,42	0
56	MG	1a	1754	1/1	0.93	0.13	73,73,73,73	0
56	MG	1A	3251	1/1	0.93	0.13	52,52,52,52	0
56	MG	1A	3787	1/1	0.93	0.10	56,56,56,56	0
56	MG	1A	3464	1/1	0.93	0.15	61,61,61,61	0
56	MG	2B	204	1/1	0.93	0.14	74,74,74,74	0
56	MG	1A	3170	1/1	0.93	0.16	54,54,54,54	0
56	MG	1A	3890	1/1	0.93	0.13	52,52,52,52	0
56	MG	1A	3588	1/1	0.93	0.15	33,33,33,33	0
56	MG	2A	3093	1/1	0.93	0.12	56,56,56,56	0
56	MG	1A	3520	1/1	0.93	0.21	44,44,44,44	0
56	MG	1A	3171	1/1	0.93	0.10	55,55,55,55	0
56	MG	2A	3394	1/1	0.93	0.10	66,66,66,66	0
56	MG	2A	3395	1/1	0.93	0.25	45,45,45,45	0
56	MG	1A	3524	1/1	0.93	0.26	50,50,50,50	0
56	MG	2a	1750	1/1	0.93	0.12	74,74,74,74	0
56	MG	1A	3338	1/1	0.93	0.20	47,47,47,47	0
56	MG	2A	3253	1/1	0.93	0.18	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	1628	1/1	0.93	0.21	59,59,59,59	0
56	MG	1A	3219	1/1	0.93	0.17	54,54,54,54	0
56	MG	1A	3298	1/1	0.93	0.22	55,55,55,55	0
56	MG	1a	1634	1/1	0.93	0.15	70,70,70,70	0
56	MG	1A	3221	1/1	0.93	0.12	58,58,58,58	0
56	MG	2a	1761	1/1	0.93	0.13	71,71,71,71	0
56	MG	1A	3136	1/1	0.93	0.15	48,48,48,48	0
56	MG	1A	4028	1/1	0.93	0.08	37,37,37,37	0
56	MG	2A	3622	1/1	0.93	0.14	57,57,57,57	0
56	MG	1A	3607	1/1	0.93	0.08	53,53,53,53	0
56	MG	1A	3079	1/1	0.93	0.10	58,58,58,58	0
56	MG	1A	3711	1/1	0.93	0.15	37,37,37,37	0
56	MG	1E	315	1/1	0.93	0.20	44,44,44,44	0
56	MG	1A	3063	1/1	0.93	0.36	61,61,61,61	0
56	MG	2a	1772	1/1	0.93	0.22	70,70,70,70	0
56	MG	2A	3416	1/1	0.93	0.31	70,70,70,70	0
56	MG	2A	3629	1/1	0.93	0.12	77,77,77,77	0
56	MG	2A	3268	1/1	0.93	0.17	68,68,68,68	0
56	MG	2a	1776	1/1	0.93	0.16	58,58,58,58	0
56	MG	2A	3632	1/1	0.93	0.08	66,66,66,66	0
56	MG	1A	4036	1/1	0.93	0.07	52,52,52,52	0
56	MG	1a	1645	1/1	0.93	0.21	70,70,70,70	0
56	MG	2R	202	1/1	0.93	0.24	55,55,55,55	0
56	MG	2A	3271	1/1	0.93	0.14	64,64,64,64	0
56	MG	2a	1782	1/1	0.93	0.23	55,55,55,55	0
56	MG	1A	3087	1/1	0.93	0.13	35,35,35,35	0
56	MG	2A	3424	1/1	0.93	0.19	45,45,45,45	0
56	MG	2A	3123	1/1	0.93	0.23	66,66,66,66	0
56	MG	1a	1650	1/1	0.93	0.10	48,48,48,48	0
56	MG	1A	3615	1/1	0.93	0.11	31,31,31,31	0
56	MG	2A	3276	1/1	0.93	0.23	58,58,58,58	0
56	MG	2A	3430	1/1	0.93	0.24	67,67,67,67	0
56	MG	1A	3814	1/1	0.93	0.10	28,28,28,28	0
56	MG	2A	3648	1/1	0.93	0.13	35,35,35,35	0
56	MG	2W	205	1/1	0.93	0.12	56,56,56,56	0
56	MG	2A	3649	1/1	0.93	0.10	43,43,43,43	0
56	MG	2A	3278	1/1	0.93	0.23	75,75,75,75	0
56	MG	1A	3148	1/1	0.93	0.22	39,39,39,39	0
56	MG	1A	3817	1/1	0.93	0.09	41,41,41,41	0
56	MG	2A	3281	1/1	0.93	0.29	73,73,73,73	0
56	MG	1A	3718	1/1	0.93	0.14	55,55,55,55	0
56	MG	25	102	1/1	0.93	0.19	56,56,56,56	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3441	1/1	0.93	0.18	47,47,47,47	0
56	MG	1A	3430	1/1	0.93	0.18	55,55,55,55	0
56	MG	2A	3137	1/1	0.93	0.15	46,46,46,46	0
56	MG	28	101	1/1	0.93	0.33	61,61,61,61	0
56	MG	28	102	1/1	0.93	0.16	59,59,59,59	0
56	MG	2A	3285	1/1	0.93	0.16	61,61,61,61	0
56	MG	2a	1807	1/1	0.93	0.13	67,67,67,67	0
56	MG	1A	3928	1/1	0.93	0.09	37,37,37,37	0
56	MG	1A	3537	1/1	0.93	0.29	61,61,61,61	0
56	MG	1N	205	1/1	0.93	0.23	54,54,54,54	0
56	MG	2A	3142	1/1	0.93	0.21	42,42,42,42	0
56	MG	1A	3822	1/1	0.93	0.22	52,52,52,52	0
56	MG	1O	202	1/1	0.93	0.17	60,60,60,60	0
56	MG	1A	3431	1/1	0.93	0.20	55,55,55,55	0
56	MG	1A	3722	1/1	0.93	0.14	57,57,57,57	0
56	MG	2A	3457	1/1	0.93	0.19	55,55,55,55	0
56	MG	1A	3723	1/1	0.93	0.13	61,61,61,61	0
56	MG	2A	3151	1/1	0.93	0.15	55,55,55,55	0
56	MG	2A	3152	1/1	0.93	0.16	68,68,68,68	0
56	MG	2a	1614	1/1	0.93	0.22	61,61,61,61	0
56	MG	2A	3462	1/1	0.93	0.14	64,64,64,64	0
56	MG	1A	3724	1/1	0.93	0.08	52,52,52,52	0
56	MG	2A	3464	1/1	0.93	0.14	75,75,75,75	0
56	MG	2A	3467	1/1	0.93	0.10	47,47,47,47	0
56	MG	2A	3154	1/1	0.93	0.11	64,64,64,64	0
56	MG	2A	3470	1/1	0.93	0.13	57,57,57,57	0
56	MG	2A	3685	1/1	0.93	0.09	42,42,42,42	0
56	MG	2A	3474	1/1	0.93	0.16	64,64,64,64	0
56	MG	1A	3626	1/1	0.93	0.06	42,42,42,42	0
56	MG	2d	301	1/1	0.93	0.41	67,67,67,67	0
56	MG	1A	3629	1/1	0.93	0.12	61,61,61,61	0
56	MG	1x	104	1/1	0.93	0.25	70,70,70,70	0
56	MG	1a	1671	1/1	0.93	0.15	68,68,68,68	0
56	MG	2A	3161	1/1	0.93	0.17	53,53,53,53	0
56	MG	1A	3633	1/1	0.93	0.09	41,41,41,41	0
56	MG	1A	3262	1/1	0.93	0.12	58,58,58,58	0
56	MG	1Q	207	1/1	0.93	0.15	45,45,45,45	0
56	MG	2A	3165	1/1	0.93	0.17	71,71,71,71	0
56	MG	2A	3700	1/1	0.93	0.10	68,68,68,68	0
56	MG	1x	110	1/1	0.93	0.09	60,60,60,60	0
56	MG	1A	3128	1/1	0.93	0.24	38,38,38,38	0
56	MG	1A	3836	1/1	0.93	0.07	70,70,70,70	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3498	1/1	0.93	0.15	40,40,40,40	0
56	MG	1A	3184	1/1	0.93	0.13	40,40,40,40	0
56	MG	1A	3151	1/1	0.93	0.19	40,40,40,40	0
56	MG	1A	3543	1/1	0.93	0.22	45,45,45,45	0
56	MG	2A	3504	1/1	0.93	0.21	61,61,61,61	0
56	MG	2A	3002	1/1	0.93	0.28	61,61,61,61	0
56	MG	1A	3840	1/1	0.93	0.14	56,56,56,56	0
56	MG	1A	3841	1/1	0.93	0.12	66,66,66,66	0
56	MG	1a	1683	1/1	0.93	0.32	64,64,64,64	0
56	MG	1A	3843	1/1	0.93	0.11	24,24,24,24	0
56	MG	2A	3180	1/1	0.93	0.24	62,62,62,62	0
56	MG	2A	3720	1/1	0.93	0.11	71,71,71,71	0
56	MG	1A	3545	1/1	0.93	0.16	60,60,60,60	0
56	MG	1A	4002	1/1	0.94	0.12	42,42,42,42	0
56	MG	2A	3745	1/1	0.94	0.13	53,53,53,53	0
56	MG	1A	3532	1/1	0.94	0.08	26,26,26,26	0
56	MG	1A	3328	1/1	0.94	0.13	53,53,53,53	0
56	MG	1A	3105	1/1	0.94	0.15	38,38,38,38	0
56	MG	1A	3107	1/1	0.94	0.31	46,46,46,46	0
56	MG	1A	3611	1/1	0.94	0.07	26,26,26,26	0
56	MG	2A	3370	1/1	0.94	0.37	68,68,68,68	0
56	MG	2A	3756	1/1	0.94	0.20	73,73,73,73	0
56	MG	1A	3893	1/1	0.94	0.15	52,52,52,52	0
56	MG	1A	3612	1/1	0.94	0.06	32,32,32,32	0
56	MG	1a	1607	1/1	0.94	0.09	56,56,56,56	0
56	MG	2A	3760	1/1	0.94	0.10	46,46,46,46	0
56	MG	1a	1610	1/1	0.94	0.13	67,67,67,67	0
56	MG	1A	3613	1/1	0.94	0.14	32,32,32,32	0
56	MG	1A	3239	1/1	0.94	0.08	35,35,35,35	0
56	MG	1A	3241	1/1	0.94	0.35	43,43,43,43	0
56	MG	1A	3900	1/1	0.94	0.09	53,53,53,53	0
56	MG	2A	3768	1/1	0.94	0.09	51,51,51,51	0
56	MG	1A	3901	1/1	0.94	0.09	45,45,45,45	0
56	MG	2A	3569	1/1	0.94	0.17	65,65,65,65	0
56	MG	1B	236	1/1	0.94	0.09	40,40,40,40	0
56	MG	1A	3902	1/1	0.94	0.11	35,35,35,35	0
56	MG	2A	3774	1/1	0.94	0.07	41,41,41,41	0
56	MG	1A	3031	1/1	0.94	0.20	46,46,46,46	0
56	MG	1A	3112	1/1	0.94	0.10	38,38,38,38	0
56	MG	1A	3381	1/1	0.94	0.13	54,54,54,54	0
56	MG	1A	3625	1/1	0.94	0.06	33,33,33,33	0
56	MG	1E	303	1/1	0.94	0.15	42,42,42,42	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	3437	1/1	0.94	0.14	61,61,61,61	0
56	MG	1A	3336	1/1	0.94	0.11	66,66,66,66	0
56	MG	2A	3101	1/1	0.94	0.16	57,57,57,57	0
56	MG	1A	3818	1/1	0.94	0.06	39,39,39,39	0
56	MG	2A	3587	1/1	0.94	0.16	45,45,45,45	0
56	MG	1A	3150	1/1	0.94	0.19	37,37,37,37	0
56	MG	2a	1704	1/1	0.94	0.27	70,70,70,70	0
56	MG	1A	3490	1/1	0.94	0.14	36,36,36,36	0
56	MG	1a	1775	1/1	0.94	0.08	62,62,62,62	0
56	MG	2A	3255	1/1	0.94	0.21	62,62,62,62	0
56	MG	1A	4034	1/1	0.94	0.08	32,32,32,32	0
56	MG	2A	3257	1/1	0.94	0.10	72,72,72,72	0
56	MG	1A	3117	1/1	0.94	0.25	34,34,34,34	0
56	MG	1A	4038	1/1	0.94	0.18	53,53,53,53	0
56	MG	1A	3091	1/1	0.94	0.12	62,62,62,62	0
56	MG	1F	305	1/1	0.94	0.11	41,41,41,41	0
56	MG	1A	3122	1/1	0.94	0.16	48,48,48,48	0
56	MG	1a	1783	1/1	0.94	0.09	66,66,66,66	0
56	MG	2A	3601	1/1	0.94	0.20	68,68,68,68	0
56	MG	1A	3729	1/1	0.94	0.09	54,54,54,54	0
56	MG	1a	1787	1/1	0.94	0.26	62,62,62,62	0
56	MG	2A	3121	1/1	0.94	0.27	62,62,62,62	0
56	MG	1A	3827	1/1	0.94	0.17	47,47,47,47	0
56	MG	1A	3639	1/1	0.94	0.14	25,25,25,25	0
56	MG	1A	3092	1/1	0.94	0.14	28,28,28,28	0
56	MG	1G	202	1/1	0.94	0.27	65,65,65,65	0
56	MG	2A	3414	1/1	0.94	0.13	41,41,41,41	0
56	MG	2A	3129	1/1	0.94	0.10	57,57,57,57	0
56	MG	1G	203	1/1	0.94	0.08	66,66,66,66	0
56	MG	1A	3343	1/1	0.94	0.22	43,43,43,43	0
56	MG	1A	4048	1/1	0.94	0.06	27,27,27,27	0
56	MG	1A	4049	1/1	0.94	0.08	56,56,56,56	0
56	MG	1A	3396	1/1	0.94	0.30	46,46,46,46	0
56	MG	1A	3735	1/1	0.94	0.08	62,62,62,62	0
56	MG	2A	3423	1/1	0.94	0.20	63,63,63,63	0
56	MG	1N	206	1/1	0.94	0.21	61,61,61,61	0
56	MG	2a	1738	1/1	0.94	0.17	62,62,62,62	0
56	MG	1A	3563	1/1	0.94	0.11	46,46,46,46	0
56	MG	1A	3647	1/1	0.94	0.08	45,45,45,45	0
56	MG	2A	3427	1/1	0.94	0.15	53,53,53,53	0
56	MG	1A	3047	1/1	0.94	0.10	39,39,39,39	0
56	MG	1A	3499	1/1	0.94	0.16	45,45,45,45	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2a	1744	1/1	0.94	0.15	76,76,76,76	0
56	MG	1A	4060	1/1	0.94	0.12	62,62,62,62	0
56	MG	1A	3941	1/1	0.94	0.12	58,58,58,58	0
56	MG	1A	3448	1/1	0.94	0.22	70,70,70,70	0
56	MG	1a	1667	1/1	0.94	0.20	63,63,63,63	0
56	MG	2E	304	1/1	0.94	0.13	45,45,45,45	0
56	MG	2A	3150	1/1	0.94	0.08	40,40,40,40	0
56	MG	1A	3299	1/1	0.94	0.15	37,37,37,37	0
56	MG	2A	3436	1/1	0.94	0.09	44,44,44,44	0
56	MG	1A	3166	1/1	0.94	0.21	45,45,45,45	0
56	MG	2A	3438	1/1	0.94	0.32	65,65,65,65	0
56	MG	2a	1758	1/1	0.94	0.21	60,60,60,60	0
56	MG	2A	3440	1/1	0.94	0.33	64,64,64,64	0
56	MG	1A	3167	1/1	0.94	0.06	38,38,38,38	0
56	MG	1x	105	1/1	0.94	0.13	51,51,51,51	0
56	MG	2F	307	1/1	0.94	0.24	49,49,49,49	0
56	MG	1Q	206	1/1	0.94	0.12	50,50,50,50	0
56	MG	2A	3156	1/1	0.94	0.15	57,57,57,57	0
56	MG	2A	3157	1/1	0.94	0.13	43,43,43,43	0
56	MG	1A	4067	1/1	0.94	0.14	44,44,44,44	0
56	MG	2Q	202	1/1	0.94	0.23	54,54,54,54	0
56	MG	1A	3213	1/1	0.94	0.10	44,44,44,44	0
56	MG	1A	3454	1/1	0.94	0.27	62,62,62,62	0
56	MG	2A	3645	1/1	0.94	0.14	69,69,69,69	0
56	MG	2A	3646	1/1	0.94	0.18	61,61,61,61	0
56	MG	1A	3509	1/1	0.94	0.50	47,47,47,47	0
56	MG	1A	3750	1/1	0.94	0.10	58,58,58,58	0
56	MG	1R	207	1/1	0.94	0.10	53,53,53,53	0
56	MG	1A	3214	1/1	0.94	0.12	52,52,52,52	0
56	MG	2A	3303	1/1	0.94	0.34	56,56,56,56	0
56	MG	2A	3653	1/1	0.94	0.17	62,62,62,62	0
56	MG	1A	3216	1/1	0.94	0.21	42,42,42,42	0
56	MG	1A	3955	1/1	0.94	0.10	54,54,54,54	0
56	MG	2A	3001	1/1	0.94	0.25	54,54,54,54	0
56	MG	1A	3034	1/1	0.94	0.22	35,35,35,35	0
56	MG	2A	3659	1/1	0.94	0.10	67,67,67,67	0
56	MG	2A	3308	1/1	0.94	0.17	54,54,54,54	0
56	MG	1A	3220	1/1	0.94	0.09	45,45,45,45	0
56	MG	1A	3669	1/1	0.94	0.12	31,31,31,31	0
56	MG	1A	3095	1/1	0.94	0.21	46,46,46,46	0
56	MG	2A	3173	1/1	0.94	0.23	67,67,67,67	0
56	MG	2A	3471	1/1	0.94	0.08	42,42,42,42	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3472	1/1	0.94	0.11	61,61,61,61	0
56	MG	2A	3473	1/1	0.94	0.09	41,41,41,41	0
56	MG	1A	3129	1/1	0.94	0.21	57,57,57,57	0
56	MG	27	103	1/1	0.94	0.09	52,52,52,52	0
56	MG	2A	3672	1/1	0.94	0.11	61,61,61,61	0
56	MG	1A	3964	1/1	0.94	0.15	66,66,66,66	0
56	MG	28	103	1/1	0.94	0.32	56,56,56,56	0
56	MG	1U	209	1/1	0.94	0.19	39,39,39,39	0
56	MG	2A	3177	1/1	0.94	0.10	43,43,43,43	0
56	MG	2A	3016	1/1	0.94	0.07	38,38,38,38	0
56	MG	1A	3060	1/1	0.94	0.15	30,30,30,30	0
56	MG	2A	3319	1/1	0.94	0.37	69,69,69,69	0
56	MG	1A	3083	1/1	0.94	0.20	40,40,40,40	0
56	MG	1A	3522	1/1	0.94	0.31	47,47,47,47	0
56	MG	2A	3486	1/1	0.94	0.09	42,42,42,42	0
56	MG	2A	3022	1/1	0.94	0.17	67,67,67,67	0
56	MG	1A	3061	1/1	0.94	0.10	54,54,54,54	0
56	MG	1A	3102	1/1	0.94	0.05	34,34,34,34	0
56	MG	2A	3492	1/1	0.94	0.25	57,57,57,57	0
56	MG	2A	3495	1/1	0.94	0.15	46,46,46,46	0
56	MG	2A	3689	1/1	0.94	0.20	71,71,71,71	0
56	MG	1A	3320	1/1	0.94	0.08	51,51,51,51	0
56	MG	1W	204	1/1	0.94	0.15	55,55,55,55	0
56	MG	1X	102	1/1	0.94	0.15	45,45,45,45	0
56	MG	2A	3500	1/1	0.94	0.11	54,54,54,54	0
56	MG	1A	3776	1/1	0.94	0.13	63,63,63,63	0
56	MG	1X	105	1/1	0.94	0.13	56,56,56,56	0
56	MG	1A	3231	1/1	0.94	0.20	51,51,51,51	0
56	MG	2A	3698	1/1	0.94	0.12	43,43,43,43	0
56	MG	2A	3333	1/1	0.94	0.18	69,69,69,69	0
56	MG	1A	3322	1/1	0.94	0.17	59,59,59,59	0
56	MG	1a	1707	1/1	0.94	0.30	70,70,70,70	0
56	MG	1A	3780	1/1	0.94	0.06	36,36,36,36	0
56	MG	1a	1709	1/1	0.94	0.15	61,61,61,61	0
56	MG	2A	3515	1/1	0.94	0.12	69,69,69,69	0
56	MG	1A	3868	1/1	0.94	0.22	35,35,35,35	0
56	MG	1a	1711	1/1	0.94	0.17	55,55,55,55	0
56	MG	1A	3025	1/1	0.94	0.20	42,42,42,42	0
56	MG	1A	3692	1/1	0.94	0.10	29,29,29,29	0
56	MG	1A	3871	1/1	0.94	0.16	63,63,63,63	0
56	MG	1A	3785	1/1	0.94	0.14	56,56,56,56	0
56	MG	2f	202	1/1	0.94	0.10	65,65,65,65	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3523	1/1	0.94	0.09	26,26,26,26	0
56	MG	1A	3693	1/1	0.94	0.10	23,23,23,23	0
56	MG	1A	3600	1/1	0.94	0.10	36,36,36,36	0
56	MG	2A	3718	1/1	0.94	0.07	38,38,38,38	0
56	MG	2A	3526	1/1	0.94	0.17	64,64,64,64	0
56	MG	2q	201	1/1	0.94	0.36	74,74,74,74	0
56	MG	1A	3988	1/1	0.94	0.08	18,18,18,18	0
56	MG	1A	3696	1/1	0.94	0.07	30,30,30,30	0
56	MG	1B	210	1/1	0.94	0.11	61,61,61,61	0
56	MG	1A	3272	1/1	0.94	0.09	49,49,49,49	0
56	MG	1l	105	1/1	0.94	0.08	49,49,49,49	0
56	MG	1A	3604	1/1	0.94	0.08	29,29,29,29	0
56	MG	2A	3537	1/1	0.94	0.20	56,56,56,56	0
56	MG	1a	1732	1/1	0.94	0.20	49,49,49,49	0
56	MG	2A	3214	1/1	0.94	0.17	48,48,48,48	0
56	MG	1a	1733	1/1	0.94	0.10	54,54,54,54	0
56	MG	2x	102	1/1	0.94	0.28	72,72,72,72	0
56	MG	2A	3216	1/1	0.94	0.21	47,47,47,47	0
56	MG	1A	3793	1/1	0.94	0.08	47,47,47,47	0
56	MG	1B	214	1/1	0.94	0.12	37,37,37,37	0
56	MG	1A	3022	1/1	0.94	0.07	47,47,47,47	0
56	MG	1A	3883	1/1	0.94	0.08	32,32,32,32	0
56	MG	1A	3885	1/1	0.94	0.08	33,33,33,33	0
56	MG	1A	3279	1/1	0.94	0.13	31,31,31,31	0
56	MG	2A	3548	1/1	0.94	0.10	72,72,72,72	0
56	MG	1A	3823	1/1	0.95	0.28	65,65,65,65	0
56	MG	1A	3996	1/1	0.95	0.07	33,33,33,33	0
56	MG	2A	3769	1/1	0.95	0.06	26,26,26,26	0
56	MG	1A	3421	1/1	0.95	0.12	40,40,40,40	0
56	MG	2a	1673	1/1	0.95	0.14	62,62,62,62	0
56	MG	1A	3188	1/1	0.95	0.28	41,41,41,41	0
56	MG	1A	3386	1/1	0.95	0.10	31,31,31,31	0
56	MG	2A	3597	1/1	0.95	0.09	61,61,61,61	0
56	MG	1A	3325	1/1	0.95	0.18	45,45,45,45	0
56	MG	1A	4003	1/1	0.95	0.09	50,50,50,50	0
56	MG	2A	3776	1/1	0.95	0.07	45,45,45,45	0
56	MG	1A	3903	1/1	0.95	0.20	38,38,38,38	0
56	MG	1A	3681	1/1	0.95	0.06	33,33,33,33	0
56	MG	1y	101	1/1	0.95	0.17	43,43,43,43	0
56	MG	1A	3544	1/1	0.95	0.16	33,33,33,33	0
56	MG	1a	1693	1/1	0.95	0.19	44,44,44,44	0
56	MG	1Z	301	1/1	0.95	0.20	59,59,59,59	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3784	1/1	0.95	0.12	60,60,60,60	0
56	MG	1A	3191	1/1	0.95	0.20	56,56,56,56	0
56	MG	1B	217	1/1	0.95	0.17	55,55,55,55	0
56	MG	2A	3007	1/1	0.95	0.24	65,65,65,65	0
56	MG	1A	4009	1/1	0.95	0.09	59,59,59,59	0
56	MG	1A	3504	1/1	0.95	0.24	50,50,50,50	0
56	MG	1A	3005	1/1	0.95	0.13	50,50,50,50	0
56	MG	2A	3300	1/1	0.95	0.09	76,76,76,76	0
56	MG	1A	3754	1/1	0.95	0.17	45,45,45,45	0
56	MG	1A	3152	1/1	0.95	0.14	45,45,45,45	0
56	MG	1A	3913	1/1	0.95	0.06	44,44,44,44	0
56	MG	1a	1706	1/1	0.95	0.34	64,64,64,64	0
56	MG	2A	3796	1/1	0.95	0.07	69,69,69,69	0
56	MG	1A	3300	1/1	0.95	0.13	31,31,31,31	0
56	MG	2A	3023	1/1	0.95	0.17	51,51,51,51	0
56	MG	2A	3799	1/1	0.95	0.09	54,54,54,54	0
56	MG	2A	3449	1/1	0.95	0.09	46,46,46,46	0
56	MG	1A	3197	1/1	0.95	0.29	49,49,49,49	0
56	MG	1A	3510	1/1	0.95	0.26	46,46,46,46	0
56	MG	1A	3917	1/1	0.95	0.17	54,54,54,54	0
56	MG	1A	3302	1/1	0.95	0.41	64,64,64,64	0
56	MG	2A	3030	1/1	0.95	0.07	44,44,44,44	0
56	MG	2A	3031	1/1	0.95	0.09	52,52,52,52	0
56	MG	1A	3618	1/1	0.95	0.06	34,34,34,34	0
56	MG	1B	232	1/1	0.95	0.10	58,58,58,58	0
56	MG	1A	3842	1/1	0.95	0.19	49,49,49,49	0
56	MG	2A	3183	1/1	0.95	0.21	67,67,67,67	0
56	MG	1A	3100	1/1	0.95	0.08	53,53,53,53	0
56	MG	17	105	1/1	0.95	0.11	55,55,55,55	0
56	MG	2a	1717	1/1	0.95	0.14	59,59,59,59	0
56	MG	1A	3925	1/1	0.95	0.07	37,37,37,37	0
56	MG	2A	3465	1/1	0.95	0.10	45,45,45,45	0
56	MG	2A	3466	1/1	0.95	0.14	61,61,61,61	0
56	MG	1A	3767	1/1	0.95	0.10	23,23,23,23	0
56	MG	1a	1722	1/1	0.95	0.14	54,54,54,54	0
56	MG	2A	3639	1/1	0.95	0.06	61,61,61,61	0
56	MG	1D	301	1/1	0.95	0.13	43,43,43,43	0
56	MG	2A	3323	1/1	0.95	0.12	43,43,43,43	0
56	MG	1A	3768	1/1	0.95	0.07	27,27,27,27	0
56	MG	18	106	1/1	0.95	0.16	49,49,49,49	0
56	MG	2A	3045	1/1	0.95	0.15	37,37,37,37	0
56	MG	2D	301	1/1	0.95	0.18	51,51,51,51	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2D	302	1/1	0.95	0.17	56,56,56,56	0
56	MG	1A	3930	1/1	0.95	0.11	64,64,64,64	0
56	MG	2D	305	1/1	0.95	0.32	46,46,46,46	0
56	MG	2A	3476	1/1	0.95	0.11	33,33,33,33	0
56	MG	2a	1736	1/1	0.95	0.16	56,56,56,56	0
56	MG	1A	3435	1/1	0.95	0.13	49,49,49,49	0
56	MG	1D	309	1/1	0.95	0.13	32,32,32,32	0
56	MG	1A	3565	1/1	0.95	0.30	39,39,39,39	0
56	MG	2A	3331	1/1	0.95	0.12	67,67,67,67	0
56	MG	2A	3050	1/1	0.95	0.08	65,65,65,65	0
56	MG	2A	3482	1/1	0.95	0.07	42,42,42,42	0
56	MG	1A	3566	1/1	0.95	0.17	41,41,41,41	0
56	MG	1A	4037	1/1	0.95	0.07	50,50,50,50	0
56	MG	1a	1606	1/1	0.95	0.32	63,63,63,63	0
56	MG	1A	3775	1/1	0.95	0.12	56,56,56,56	0
56	MG	2A	3658	1/1	0.95	0.10	41,41,41,41	0
56	MG	2a	1748	1/1	0.95	0.21	67,67,67,67	0
56	MG	1A	4039	1/1	0.95	0.10	28,28,28,28	0
56	MG	2F	305	1/1	0.95	0.12	58,58,58,58	0
56	MG	2a	1751	1/1	0.95	0.13	63,63,63,63	0
56	MG	2F	306	1/1	0.95	0.14	55,55,55,55	0
56	MG	2A	3056	1/1	0.95	0.06	49,49,49,49	0
56	MG	2A	3490	1/1	0.95	0.09	39,39,39,39	0
56	MG	1A	3436	1/1	0.95	0.23	43,43,43,43	0
56	MG	1A	3938	1/1	0.95	0.09	53,53,53,53	0
56	MG	1A	3852	1/1	0.95	0.15	55,55,55,55	0
56	MG	2Q	201	1/1	0.95	0.12	63,63,63,63	0
56	MG	2A	3497	1/1	0.95	0.10	43,43,43,43	0
56	MG	1a	1616	1/1	0.95	0.05	54,54,54,54	0
56	MG	1A	3627	1/1	0.95	0.07	22,22,22,22	0
56	MG	2A	3670	1/1	0.95	0.15	43,43,43,43	0
56	MG	2a	1764	1/1	0.95	0.10	53,53,53,53	0
56	MG	2a	1765	1/1	0.95	0.12	80,80,80,80	0
56	MG	1A	3628	1/1	0.95	0.08	23,23,23,23	0
56	MG	1E	316	1/1	0.95	0.12	57,57,57,57	0
56	MG	1A	3225	1/1	0.95	0.20	47,47,47,47	0
56	MG	1A	3632	1/1	0.95	0.14	49,49,49,49	0
56	MG	2A	3348	1/1	0.95	0.14	41,41,41,41	0
56	MG	1A	3273	1/1	0.95	0.13	46,46,46,46	0
56	MG	1A	3859	1/1	0.95	0.10	51,51,51,51	0
56	MG	2A	3511	1/1	0.95	0.08	37,37,37,37	0
56	MG	1a	1625	1/1	0.95	0.10	50,50,50,50	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3218	1/1	0.95	0.16	47,47,47,47	0
56	MG	2A	3514	1/1	0.95	0.07	44,44,44,44	0
56	MG	1A	3709	1/1	0.95	0.05	16,16,16,16	0
56	MG	2A	3220	1/1	0.95	0.21	48,48,48,48	0
56	MG	1A	3160	1/1	0.95	0.22	36,36,36,36	0
56	MG	20	103	1/1	0.95	0.23	69,69,69,69	0
56	MG	1A	3201	1/1	0.95	0.07	33,33,33,33	0
56	MG	1a	1629	1/1	0.95	0.23	74,74,74,74	0
56	MG	23	101	1/1	0.95	0.09	55,55,55,55	0
56	MG	2A	3358	1/1	0.95	0.34	63,63,63,63	0
56	MG	1A	3521	1/1	0.95	0.17	38,38,38,38	0
56	MG	1A	3478	1/1	0.95	0.10	61,61,61,61	0
56	MG	2a	1787	1/1	0.95	0.31	65,65,65,65	0
56	MG	1a	1633	1/1	0.95	0.10	49,49,49,49	0
56	MG	27	101	1/1	0.95	0.29	51,51,51,51	0
56	MG	1A	3281	1/1	0.95	0.29	41,41,41,41	0
56	MG	1A	3953	1/1	0.95	0.17	42,42,42,42	0
56	MG	1A	3954	1/1	0.95	0.06	52,52,52,52	0
56	MG	1A	3640	1/1	0.95	0.08	35,35,35,35	0
56	MG	1N	202	1/1	0.95	0.13	49,49,49,49	0
56	MG	2A	3087	1/1	0.95	0.15	48,48,48,48	0
56	MG	1A	3367	1/1	0.95	0.10	49,49,49,49	0
56	MG	1A	3405	1/1	0.95	0.13	59,59,59,59	0
56	MG	2A	3703	1/1	0.95	0.10	69,69,69,69	0
56	MG	1A	3142	1/1	0.95	0.11	47,47,47,47	0
56	MG	1A	3801	1/1	0.95	0.33	30,30,30,30	0
56	MG	1A	3163	1/1	0.95	0.23	57,57,57,57	0
56	MG	1A	3015	1/1	0.95	0.16	48,48,48,48	0
56	MG	1a	1647	1/1	0.95	0.13	44,44,44,44	0
56	MG	1a	1648	1/1	0.95	0.15	55,55,55,55	0
56	MG	1A	3648	1/1	0.95	0.09	46,46,46,46	0
56	MG	2A	3711	1/1	0.95	0.07	64,64,64,64	0
56	MG	2A	3712	1/1	0.95	0.07	54,54,54,54	0
56	MG	1A	3805	1/1	0.95	0.12	49,49,49,49	0
56	MG	1A	3069	1/1	0.95	0.16	31,31,31,31	0
56	MG	2A	3102	1/1	0.95	0.17	57,57,57,57	0
56	MG	2A	3103	1/1	0.95	0.12	41,41,41,41	0
56	MG	1A	3876	1/1	0.95	0.08	31,31,31,31	0
56	MG	2A	3549	1/1	0.95	0.12	58,58,58,58	0
56	MG	1a	1784	1/1	0.95	0.08	62,62,62,62	0
56	MG	1A	3877	1/1	0.95	0.10	32,32,32,32	0
56	MG	2A	3721	1/1	0.95	0.25	80,80,80,80	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	3725	1/1	0.95	0.07	33,33,33,33	0
56	MG	1A	3132	1/1	0.95	0.17	46,46,46,46	0
56	MG	1A	3972	1/1	0.95	0.07	58,58,58,58	0
56	MG	1A	3973	1/1	0.95	0.10	61,61,61,61	0
56	MG	1a	1792	1/1	0.95	0.13	64,64,64,64	0
56	MG	2A	3113	1/1	0.95	0.14	42,42,42,42	0
56	MG	1A	4082	1/1	0.95	0.09	52,52,52,52	0
56	MG	2a	1824	1/1	0.95	0.16	72,72,72,72	0
56	MG	1A	3489	1/1	0.95	0.34	55,55,55,55	0
56	MG	1R	203	1/1	0.95	0.25	38,38,38,38	0
56	MG	2A	3118	1/1	0.95	0.08	57,57,57,57	0
56	MG	2A	3562	1/1	0.95	0.14	40,40,40,40	0
56	MG	1A	3373	1/1	0.95	0.10	53,53,53,53	0
56	MG	2A	3736	1/1	0.95	0.06	47,47,47,47	0
56	MG	1A	3346	1/1	0.95	0.15	43,43,43,43	0
56	MG	2A	3738	1/1	0.95	0.08	63,63,63,63	0
56	MG	1A	3884	1/1	0.95	0.12	26,26,26,26	0
56	MG	2f	201	1/1	0.95	0.12	49,49,49,49	0
56	MG	2a	1640	1/1	0.95	0.18	66,66,66,66	0
56	MG	1A	3589	1/1	0.95	0.07	37,37,37,37	0
56	MG	1A	3981	1/1	0.95	0.12	55,55,55,55	0
56	MG	1A	3591	1/1	0.95	0.12	63,63,63,63	0
56	MG	1A	3290	1/1	0.95	0.23	32,32,32,32	0
56	MG	2A	3573	1/1	0.95	0.08	39,39,39,39	0
56	MG	1A	3235	1/1	0.95	0.23	37,37,37,37	0
56	MG	2A	3575	1/1	0.95	0.16	50,50,50,50	0
56	MG	1A	3536	1/1	0.95	0.09	51,51,51,51	0
56	MG	1A	3041	1/1	0.95	0.07	37,37,37,37	0
56	MG	2a	1650	1/1	0.95	0.31	62,62,62,62	0
56	MG	2A	3750	1/1	0.95	0.15	45,45,45,45	0
56	MG	1A	3891	1/1	0.95	0.09	31,31,31,31	0
56	MG	2A	3753	1/1	0.95	0.08	47,47,47,47	0
56	MG	1w	101	1/1	0.95	0.07	48,48,48,48	0
56	MG	1w	102	1/1	0.95	0.08	56,56,56,56	0
56	MG	1A	3597	1/1	0.95	0.12	61,61,61,61	0
56	MG	2A	3138	1/1	0.95	0.15	55,55,55,55	0
56	MG	1U	206	1/1	0.95	0.20	43,43,43,43	0
56	MG	1U	207	1/1	0.95	0.32	39,39,39,39	0
56	MG	1A	3990	1/1	0.95	0.08	26,26,26,26	0
56	MG	1A	3666	1/1	0.95	0.06	29,29,29,29	0
56	MG	1A	3238	1/1	0.95	0.14	37,37,37,37	0
56	MG	2a	1664	1/1	0.95	0.21	62,62,62,62	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
58	ZN	14	102	1/1	0.95	0.10	111,111,111,111	0
56	MG	2a	1665	1/1	0.95	0.14	46,46,46,46	0
60	K	1x	101	1/1	0.95	0.29	75,75,75,75	0
56	MG	1A	3113	1/1	0.95	0.19	40,40,40,40	0
56	MG	2A	3124	1/1	0.96	0.14	51,51,51,51	0
56	MG	1A	3675	1/1	0.96	0.07	32,32,32,32	0
56	MG	2A	3439	1/1	0.96	0.10	39,39,39,39	0
56	MG	1A	3076	1/1	0.96	0.19	48,48,48,48	0
56	MG	2A	3128	1/1	0.96	0.17	45,45,45,45	0
56	MG	1A	3119	1/1	0.96	0.16	48,48,48,48	0
56	MG	1a	1646	1/1	0.96	0.09	56,56,56,56	0
56	MG	1A	3317	1/1	0.96	0.24	46,46,46,46	0
56	MG	2A	3446	1/1	0.96	0.16	68,68,68,68	0
56	MG	1A	3318	1/1	0.96	0.08	61,61,61,61	0
56	MG	1A	4066	1/1	0.96	0.08	37,37,37,37	0
56	MG	1A	3957	1/1	0.96	0.09	30,30,30,30	0
56	MG	2a	1702	1/1	0.96	0.10	67,67,67,67	0
56	MG	2A	3450	1/1	0.96	0.10	61,61,61,61	0
56	MG	1A	3772	1/1	0.96	0.05	32,32,32,32	0
56	MG	1A	3077	1/1	0.96	0.12	38,38,38,38	0
56	MG	1A	3473	1/1	0.96	0.09	52,52,52,52	0
56	MG	1Q	203	1/1	0.96	0.06	44,44,44,44	0
56	MG	1a	1655	1/1	0.96	0.20	53,53,53,53	0
56	MG	1A	3961	1/1	0.96	0.10	55,55,55,55	0
56	MG	1A	3599	1/1	0.96	0.09	30,30,30,30	0
56	MG	1a	1658	1/1	0.96	0.11	55,55,55,55	0
56	MG	1A	3963	1/1	0.96	0.19	61,61,61,61	0
56	MG	1A	3420	1/1	0.96	0.20	38,38,38,38	0
56	MG	2A	3148	1/1	0.96	0.06	55,55,55,55	0
56	MG	1w	103	1/1	0.96	0.13	61,61,61,61	0
56	MG	1A	3121	1/1	0.96	0.32	48,48,48,48	0
56	MG	1A	3602	1/1	0.96	0.12	31,31,31,31	0
56	MG	1A	3781	1/1	0.96	0.04	47,47,47,47	0
56	MG	2a	1719	1/1	0.96	0.19	53,53,53,53	0
56	MG	1A	3603	1/1	0.96	0.11	44,44,44,44	0
56	MG	1A	3078	1/1	0.96	0.11	30,30,30,30	0
56	MG	1A	3271	1/1	0.96	0.17	36,36,36,36	0
56	MG	1A	3227	1/1	0.96	0.12	45,45,45,45	0
56	MG	1A	3695	1/1	0.96	0.10	35,35,35,35	0
56	MG	1A	3032	1/1	0.96	0.21	31,31,31,31	0
56	MG	1A	3185	1/1	0.96	0.06	52,52,52,52	0
56	MG	1A	3277	1/1	0.96	0.11	38,38,38,38	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	3701	1/1	0.96	0.07	39,39,39,39	0
56	MG	1A	3880	1/1	0.96	0.12	51,51,51,51	0
56	MG	1A	3153	1/1	0.96	0.09	37,37,37,37	0
56	MG	1A	3154	1/1	0.96	0.23	41,41,41,41	0
56	MG	1U	205	1/1	0.96	0.16	48,48,48,48	0
56	MG	1A	3796	1/1	0.96	0.09	51,51,51,51	0
56	MG	1A	3189	1/1	0.96	0.19	36,36,36,36	0
56	MG	2a	1735	1/1	0.96	0.38	57,57,57,57	0
56	MG	1U	208	1/1	0.96	0.23	42,42,42,42	0
56	MG	1A	3433	1/1	0.96	0.09	64,64,64,64	0
56	MG	1U	210	1/1	0.96	0.40	42,42,42,42	0
56	MG	1A	4096	1/1	0.96	0.08	54,54,54,54	0
56	MG	1A	3487	1/1	0.96	0.12	48,48,48,48	0
56	MG	2A	3008	1/1	0.96	0.17	52,52,52,52	0
56	MG	1A	3377	1/1	0.96	0.10	54,54,54,54	0
56	MG	2A	3491	1/1	0.96	0.10	39,39,39,39	0
56	MG	1A	3617	1/1	0.96	0.11	34,34,34,34	0
56	MG	1A	3157	1/1	0.96	0.10	45,45,45,45	0
56	MG	1A	3380	1/1	0.96	0.11	45,45,45,45	0
56	MG	2R	203	1/1	0.96	0.11	50,50,50,50	0
56	MG	2A	3017	1/1	0.96	0.07	58,58,58,58	0
56	MG	1B	205	1/1	0.96	0.07	51,51,51,51	0
56	MG	2A	3181	1/1	0.96	0.07	56,56,56,56	0
56	MG	1A	3547	1/1	0.96	0.09	35,35,35,35	0
56	MG	2A	3501	1/1	0.96	0.10	41,41,41,41	0
56	MG	1A	3712	1/1	0.96	0.10	53,53,53,53	0
56	MG	1a	1692	1/1	0.96	0.23	63,63,63,63	0
56	MG	1A	3548	1/1	0.96	0.16	34,34,34,34	0
56	MG	1X	107	1/1	0.96	0.10	59,59,59,59	0
56	MG	2a	1757	1/1	0.96	0.06	51,51,51,51	0
56	MG	1A	3193	1/1	0.96	0.43	36,36,36,36	0
56	MG	1A	3550	1/1	0.96	0.14	40,40,40,40	0
56	MG	2A	3510	1/1	0.96	0.09	47,47,47,47	0
56	MG	1A	3236	1/1	0.96	0.19	36,36,36,36	0
56	MG	2A	3029	1/1	0.96	0.09	44,44,44,44	0
56	MG	1A	3493	1/1	0.96	0.30	45,45,45,45	0
56	MG	1a	1700	1/1	0.96	0.17	49,49,49,49	0
56	MG	2A	3694	1/1	0.96	0.07	56,56,56,56	0
56	MG	1A	4000	1/1	0.96	0.07	31,31,31,31	0
56	MG	2A	3033	1/1	0.96	0.10	47,47,47,47	0
56	MG	1A	3080	1/1	0.96	0.10	45,45,45,45	0
56	MG	10	101	1/1	0.96	0.09	48,48,48,48	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	3630	1/1	0.96	0.11	32,32,32,32	0
56	MG	1A	3159	1/1	0.96	0.15	33,33,33,33	0
56	MG	1A	3196	1/1	0.96	0.07	47,47,47,47	0
56	MG	2A	3201	1/1	0.96	0.14	48,48,48,48	0
56	MG	1A	3556	1/1	0.96	0.16	35,35,35,35	0
56	MG	1B	220	1/1	0.96	0.08	42,42,42,42	0
56	MG	1A	3388	1/1	0.96	0.38	47,47,47,47	0
56	MG	2A	3527	1/1	0.96	0.09	55,55,55,55	0
56	MG	1A	3636	1/1	0.96	0.09	17,17,17,17	0
56	MG	1A	3561	1/1	0.96	0.28	41,41,41,41	0
56	MG	1A	3081	1/1	0.96	0.20	40,40,40,40	0
56	MG	1a	1715	1/1	0.96	0.14	40,40,40,40	0
56	MG	1A	3019	1/1	0.96	0.12	50,50,50,50	0
56	MG	12	101	1/1	0.96	0.12	56,56,56,56	0
56	MG	12	102	1/1	0.96	0.10	48,48,48,48	0
56	MG	13	102	1/1	0.96	0.12	45,45,45,45	0
56	MG	1A	3043	1/1	0.96	0.13	34,34,34,34	0
56	MG	1A	3826	1/1	0.96	0.06	62,62,62,62	0
56	MG	1A	3086	1/1	0.96	0.23	39,39,39,39	0
56	MG	1a	1726	1/1	0.96	0.12	63,63,63,63	0
56	MG	1A	3044	1/1	0.96	0.12	48,48,48,48	0
56	MG	15	104	1/1	0.96	0.21	44,44,44,44	0
56	MG	15	106	1/1	0.96	0.19	40,40,40,40	0
56	MG	1A	3203	1/1	0.96	0.07	25,25,25,25	0
56	MG	16	101	1/1	0.96	0.09	53,53,53,53	0
56	MG	17	103	1/1	0.96	0.14	38,38,38,38	0
56	MG	17	104	1/1	0.96	0.13	54,54,54,54	0
56	MG	1A	3204	1/1	0.96	0.09	36,36,36,36	0
56	MG	1A	3918	1/1	0.96	0.07	47,47,47,47	0
56	MG	2A	3064	1/1	0.96	0.12	36,36,36,36	0
56	MG	1A	4023	1/1	0.96	0.08	51,51,51,51	0
56	MG	2A	3228	1/1	0.96	0.12	62,62,62,62	0
56	MG	1a	1739	1/1	0.96	0.05	52,52,52,52	0
56	MG	2A	3067	1/1	0.96	0.06	53,53,53,53	0
56	MG	2a	1628	1/1	0.96	0.38	62,62,62,62	0
56	MG	1A	3646	1/1	0.96	0.07	39,39,39,39	0
56	MG	1A	3023	1/1	0.96	0.08	16,16,16,16	0
56	MG	1A	3507	1/1	0.96	0.30	35,35,35,35	0
56	MG	2A	3073	1/1	0.96	0.17	35,35,35,35	0
56	MG	1A	3067	1/1	0.96	0.05	33,33,33,33	0
56	MG	2A	3075	1/1	0.96	0.29	60,60,60,60	0
56	MG	1A	3453	1/1	0.96	0.22	49,49,49,49	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1a	1745	1/1	0.96	0.09	59,59,59,59	0
56	MG	1A	3926	1/1	0.96	0.10	38,38,38,38	0
56	MG	1A	3036	1/1	0.96	0.11	45,45,45,45	0
56	MG	1A	3059	1/1	0.96	0.39	66,66,66,66	0
56	MG	2A	3570	1/1	0.96	0.10	37,37,37,37	0
56	MG	1A	3929	1/1	0.96	0.06	68,68,68,68	0
56	MG	1A	3212	1/1	0.96	0.05	44,44,44,44	0
56	MG	1E	306	1/1	0.96	0.17	37,37,37,37	0
56	MG	1a	1608	1/1	0.96	0.26	55,55,55,55	0
56	MG	1a	1609	1/1	0.96	0.09	27,27,27,27	0
56	MG	1A	4035	1/1	0.96	0.06	39,39,39,39	0
56	MG	2A	3578	1/1	0.96	0.08	48,48,48,48	0
56	MG	1A	3255	1/1	0.96	0.16	37,37,37,37	0
56	MG	1a	1756	1/1	0.96	0.07	57,57,57,57	0
56	MG	1A	3514	1/1	0.96	0.07	46,46,46,46	0
56	MG	2A	3403	1/1	0.96	0.31	50,50,50,50	0
56	MG	2A	3090	1/1	0.96	0.07	42,42,42,42	0
56	MG	1a	1613	1/1	0.96	0.13	54,54,54,54	0
56	MG	1A	3075	1/1	0.96	0.06	30,30,30,30	0
56	MG	1A	3115	1/1	0.96	0.10	49,49,49,49	0
56	MG	1E	313	1/1	0.96	0.12	30,30,30,30	0
56	MG	2A	3409	1/1	0.96	0.12	52,52,52,52	0
56	MG	1A	3215	1/1	0.96	0.22	45,45,45,45	0
56	MG	1A	3937	1/1	0.96	0.08	45,45,45,45	0
56	MG	2A	3412	1/1	0.96	0.19	70,70,70,70	0
56	MG	1a	1764	1/1	0.96	0.18	49,49,49,49	0
56	MG	1A	3310	1/1	0.96	0.34	61,61,61,61	0
56	MG	1A	3661	1/1	0.96	0.05	30,30,30,30	0
56	MG	1A	3847	1/1	0.96	0.08	22,22,22,22	0
56	MG	2A	3417	1/1	0.96	0.09	48,48,48,48	0
56	MG	1F	303	1/1	0.96	0.10	55,55,55,55	0
56	MG	2a	1669	1/1	0.96	0.29	84,84,84,84	0
56	MG	1A	3662	1/1	0.96	0.09	26,26,26,26	0
56	MG	1F	306	1/1	0.96	0.13	44,44,44,44	0
56	MG	1F	307	1/1	0.96	0.14	38,38,38,38	0
56	MG	1A	3116	1/1	0.96	0.19	40,40,40,40	0
56	MG	2A	3603	1/1	0.96	0.11	42,42,42,42	0
56	MG	1A	3758	1/1	0.96	0.07	28,28,28,28	0
56	MG	1A	3217	1/1	0.96	0.08	57,57,57,57	0
56	MG	1A	3174	1/1	0.96	0.36	39,39,39,39	0
56	MG	1A	3946	1/1	0.96	0.11	52,52,52,52	0
56	MG	1G	201	1/1	0.96	0.11	36,36,36,36	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	3590	1/1	0.96	0.17	32,32,32,32	0
56	MG	1A	4054	1/1	0.96	0.13	17,17,17,17	0
56	MG	2x	106	1/1	0.96	0.18	51,51,51,51	0
56	MG	1A	3854	1/1	0.96	0.11	58,58,58,58	0
56	MG	1a	1785	1/1	0.96	0.06	57,57,57,57	0
56	MG	1A	3763	1/1	0.96	0.12	34,34,34,34	0
56	MG	1A	3671	1/1	0.96	0.05	28,28,28,28	0
56	MG	1A	4059	1/1	0.96	0.07	41,41,41,41	0
58	ZN	2n	501	1/1	0.96	0.06	97,97,97,97	0
56	MG	1A	3178	1/1	0.96	0.06	40,40,40,40	0
56	MG	1a	1790	1/1	0.96	0.15	64,64,64,64	0
56	MG	1A	3147	1/1	0.97	0.07	36,36,36,36	0
56	MG	2A	3098	1/1	0.97	0.10	31,31,31,31	0
56	MG	15	102	1/1	0.97	0.25	37,37,37,37	0
56	MG	1A	3074	1/1	0.97	0.09	32,32,32,32	0
56	MG	1F	302	1/1	0.97	0.14	34,34,34,34	0
56	MG	1A	3894	1/1	0.97	0.06	47,47,47,47	0
56	MG	2A	3469	1/1	0.97	0.10	43,43,43,43	0
56	MG	15	107	1/1	0.97	0.18	50,50,50,50	0
56	MG	1A	3977	1/1	0.97	0.12	36,36,36,36	0
56	MG	1A	4069	1/1	0.97	0.21	57,57,57,57	0
56	MG	17	102	1/1	0.97	0.12	32,32,32,32	0
56	MG	1A	3345	1/1	0.97	0.17	38,38,38,38	0
56	MG	1F	308	1/1	0.97	0.14	34,34,34,34	0
56	MG	1A	3042	1/1	0.97	0.23	34,34,34,34	0
56	MG	1a	1699	1/1	0.97	0.13	45,45,45,45	0
56	MG	2A	3111	1/1	0.97	0.16	51,51,51,51	0
56	MG	1A	3051	1/1	0.97	0.15	31,31,31,31	0
56	MG	2A	3754	1/1	0.97	0.06	60,60,60,60	0
56	MG	1A	3125	1/1	0.97	0.17	34,34,34,34	0
56	MG	18	103	1/1	0.97	0.09	46,46,46,46	0
56	MG	1A	3218	1/1	0.97	0.19	42,42,42,42	0
56	MG	2A	3116	1/1	0.97	0.28	68,68,68,68	0
56	MG	1A	3052	1/1	0.97	0.10	49,49,49,49	0
56	MG	2A	3485	1/1	0.97	0.11	50,50,50,50	0
56	MG	1A	3985	1/1	0.97	0.04	46,46,46,46	0
56	MG	1A	3461	1/1	0.97	0.21	44,44,44,44	0
56	MG	1A	3028	1/1	0.97	0.16	36,36,36,36	0
56	MG	1A	3741	1/1	0.97	0.11	60,60,60,60	0
56	MG	1A	3352	1/1	0.97	0.10	43,43,43,43	0
56	MG	1A	3592	1/1	0.97	0.23	43,43,43,43	0
56	MG	1A	3663	1/1	0.97	0.10	37,37,37,37	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	3109	1/1	0.97	0.31	37,37,37,37	0
56	MG	1N	204	1/1	0.97	0.06	40,40,40,40	0
56	MG	2A	3630	1/1	0.97	0.06	35,35,35,35	0
56	MG	2A	3127	1/1	0.97	0.08	52,52,52,52	0
56	MG	1a	1716	1/1	0.97	0.12	40,40,40,40	0
56	MG	1A	3746	1/1	0.97	0.05	48,48,48,48	0
56	MG	1A	3222	1/1	0.97	0.11	40,40,40,40	0
56	MG	1A	3408	1/1	0.97	0.07	55,55,55,55	0
56	MG	2A	3009	1/1	0.97	0.06	43,43,43,43	0
56	MG	1A	3155	1/1	0.97	0.09	41,41,41,41	0
56	MG	1A	3998	1/1	0.97	0.07	33,33,33,33	0
56	MG	1A	3111	1/1	0.97	0.20	30,30,30,30	0
56	MG	1A	3064	1/1	0.97	0.13	38,38,38,38	0
56	MG	1a	1615	1/1	0.97	0.06	43,43,43,43	0
56	MG	1A	3674	1/1	0.97	0.05	56,56,56,56	0
56	MG	1a	1728	1/1	0.97	0.07	53,53,53,53	0
56	MG	1P	202	1/1	0.97	0.27	37,37,37,37	0
56	MG	2A	3143	1/1	0.97	0.16	41,41,41,41	0
56	MG	1a	1618	1/1	0.97	0.06	42,42,42,42	0
56	MG	1P	204	1/1	0.97	0.30	32,32,32,32	0
56	MG	1A	3190	1/1	0.97	0.21	41,41,41,41	0
56	MG	1A	3265	1/1	0.97	0.11	43,43,43,43	0
56	MG	2A	3518	1/1	0.97	0.09	43,43,43,43	0
56	MG	1A	3472	1/1	0.97	0.07	45,45,45,45	0
56	MG	1A	3921	1/1	0.97	0.06	15,15,15,15	0
56	MG	1A	3759	1/1	0.97	0.08	38,38,38,38	0
56	MG	1A	3266	1/1	0.97	0.10	50,50,50,50	0
56	MG	1A	3007	1/1	0.97	0.05	47,47,47,47	0
56	MG	1A	3192	1/1	0.97	0.24	37,37,37,37	0
56	MG	1A	3066	1/1	0.97	0.15	37,37,37,37	0
56	MG	2A	3034	1/1	0.97	0.11	27,27,27,27	0
56	MG	1B	206	1/1	0.97	0.10	47,47,47,47	0
56	MG	1R	204	1/1	0.97	0.33	45,45,45,45	0
56	MG	1A	3270	1/1	0.97	0.28	50,50,50,50	0
56	MG	1A	3039	1/1	0.97	0.30	38,38,38,38	0
56	MG	2a	1658	1/1	0.97	0.13	49,49,49,49	0
56	MG	1A	3319	1/1	0.97	0.12	45,45,45,45	0
56	MG	1A	3688	1/1	0.97	0.10	34,34,34,34	0
56	MG	1A	4016	1/1	0.97	0.12	51,51,51,51	0
56	MG	1A	3135	1/1	0.97	0.13	45,45,45,45	0
56	MG	1A	3033	1/1	0.97	0.24	35,35,35,35	0
56	MG	1A	3424	1/1	0.97	0.08	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	3137	1/1	0.97	0.24	31,31,31,31	0
56	MG	1a	1641	1/1	0.97	0.06	51,51,51,51	0
56	MG	1A	3484	1/1	0.97	0.20	46,46,46,46	0
56	MG	1A	3275	1/1	0.97	0.23	42,42,42,42	0
56	MG	2A	3170	1/1	0.97	0.10	33,33,33,33	0
56	MG	1A	3139	1/1	0.97	0.07	44,44,44,44	0
56	MG	1A	3118	1/1	0.97	0.14	42,42,42,42	0
56	MG	1A	3699	1/1	0.97	0.09	28,28,28,28	0
56	MG	1A	3141	1/1	0.97	0.07	21,21,21,21	0
56	MG	2A	3681	1/1	0.97	0.15	58,58,58,58	0
56	MG	1A	3282	1/1	0.97	0.16	49,49,49,49	0
56	MG	1A	3283	1/1	0.97	0.21	48,48,48,48	0
56	MG	1B	224	1/1	0.97	0.15	59,59,59,59	0
56	MG	1A	4032	1/1	0.97	0.11	30,30,30,30	0
56	MG	1A	3783	1/1	0.97	0.09	23,23,23,23	0
56	MG	2D	304	1/1	0.97	0.07	26,26,26,26	0
56	MG	1A	3284	1/1	0.97	0.05	35,35,35,35	0
56	MG	1A	3085	1/1	0.97	0.23	34,34,34,34	0
56	MG	1A	3030	1/1	0.97	0.23	32,32,32,32	0
56	MG	1A	3332	1/1	0.97	0.29	58,58,58,58	0
56	MG	1A	3240	1/1	0.97	0.28	32,32,32,32	0
56	MG	2a	1687	1/1	0.97	0.18	40,40,40,40	0
56	MG	1X	101	1/1	0.97	0.28	46,46,46,46	0
56	MG	1A	3072	1/1	0.97	0.14	33,33,33,33	0
56	MG	1A	3560	1/1	0.97	0.16	37,37,37,37	0
56	MG	1A	3383	1/1	0.97	0.10	46,46,46,46	0
56	MG	2A	3563	1/1	0.97	0.06	33,33,33,33	0
56	MG	1A	3384	1/1	0.97	0.28	33,33,33,33	0
56	MG	1a	1778	1/1	0.97	0.09	67,67,67,67	0
56	MG	2A	3566	1/1	0.97	0.06	44,44,44,44	0
56	MG	1A	3441	1/1	0.97	0.16	39,39,39,39	0
56	MG	2A	3702	1/1	0.97	0.07	70,70,70,70	0
56	MG	2A	3070	1/1	0.97	0.14	44,44,44,44	0
56	MG	1A	3145	1/1	0.97	0.18	34,34,34,34	0
56	MG	2A	3072	1/1	0.97	0.08	48,48,48,48	0
56	MG	1A	3206	1/1	0.97	0.08	34,34,34,34	0
56	MG	1A	3798	1/1	0.97	0.07	25,25,25,25	0
56	MG	1A	3502	1/1	0.97	0.17	34,34,34,34	0
56	MG	1A	3146	1/1	0.97	0.13	38,38,38,38	0
56	MG	1A	3569	1/1	0.97	0.12	41,41,41,41	0
56	MG	1A	3175	1/1	0.97	0.06	36,36,36,36	0
56	MG	2A	3577	1/1	0.97	0.07	49,49,49,49	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	10	103	1/1	0.97	0.08	49,49,49,49	0
56	MG	2A	3444	1/1	0.97	0.08	70,70,70,70	0
56	MG	1E	302	1/1	0.97	0.19	49,49,49,49	0
56	MG	1A	3571	1/1	0.97	0.08	46,46,46,46	0
56	MG	1E	304	1/1	0.97	0.08	37,37,37,37	0
56	MG	2A	3583	1/1	0.97	0.11	36,36,36,36	0
56	MG	1E	305	1/1	0.97	0.19	34,34,34,34	0
56	MG	1a	1676	1/1	0.97	0.20	50,50,50,50	0
56	MG	1A	3209	1/1	0.97	0.06	35,35,35,35	0
56	MG	1A	3176	1/1	0.97	0.14	34,34,34,34	0
56	MG	1A	3391	1/1	0.97	0.12	63,63,63,63	0
56	MG	1A	3645	1/1	0.97	0.10	53,53,53,53	0
56	MG	1A	3177	1/1	0.97	0.09	21,21,21,21	0
56	MG	1A	3342	1/1	0.97	0.31	40,40,40,40	0
56	MG	2A	3728	1/1	0.97	0.10	62,62,62,62	0
56	MG	1A	3394	1/1	0.97	0.06	35,35,35,35	0
57	WC9	2A	3809	34/34	0.97	0.09	35,43,48,51	0
56	MG	1A	3395	1/1	0.97	0.11	37,37,37,37	0
58	ZN	2Y	501	1/1	0.97	0.05	88,88,88,88	0
56	MG	1A	3730	1/1	0.97	0.05	55,55,55,55	0
56	MG	2A	3094	1/1	0.97	0.09	55,55,55,55	0
56	MG	1A	3815	1/1	0.97	0.07	27,27,27,27	0
56	MG	1m	3001	1/1	0.97	0.10	56,56,56,56	0
56	MG	1A	3296	1/1	0.98	0.06	37,37,37,37	0
56	MG	1A	3243	1/1	0.98	0.07	46,46,46,46	0
56	MG	1A	3757	1/1	0.98	0.05	40,40,40,40	0
56	MG	1A	3084	1/1	0.98	0.14	30,30,30,30	0
56	MG	1A	3577	1/1	0.98	0.14	31,31,31,31	0
56	MG	1A	3073	1/1	0.98	0.07	14,14,14,14	0
56	MG	1a	1723	1/1	0.98	0.06	41,41,41,41	0
56	MG	1a	1724	1/1	0.98	0.07	39,39,39,39	0
56	MG	1A	3417	1/1	0.98	0.08	49,49,49,49	0
56	MG	1A	3659	1/1	0.98	0.07	40,40,40,40	0
56	MG	2a	1667	1/1	0.98	0.06	52,52,52,52	0
56	MG	1A	3008	1/1	0.98	0.12	27,27,27,27	0
56	MG	2A	3743	1/1	0.98	0.10	39,39,39,39	0
56	MG	1A	4052	1/1	0.98	0.07	43,43,43,43	0
56	MG	1A	3619	1/1	0.98	0.11	31,31,31,31	0
56	MG	1A	3038	1/1	0.98	0.21	33,33,33,33	0
56	MG	11	101	1/1	0.98	0.30	37,37,37,37	0
56	MG	1A	3199	1/1	0.98	0.13	19,19,19,19	0
56	MG	1A	3045	1/1	0.98	0.06	40,40,40,40	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	3665	1/1	0.98	0.06	41,41,41,41	0
56	MG	1A	3624	1/1	0.98	0.05	50,50,50,50	0
56	MG	1A	3304	1/1	0.98	0.05	33,33,33,33	0
56	MG	1A	3585	1/1	0.98	0.10	12,12,12,12	0
56	MG	13	101	1/1	0.98	0.09	38,38,38,38	0
56	MG	1A	3773	1/1	0.98	0.06	22,22,22,22	0
56	MG	1A	3670	1/1	0.98	0.06	31,31,31,31	0
56	MG	1A	3138	1/1	0.98	0.30	32,32,32,32	0
56	MG	1A	3672	1/1	0.98	0.05	27,27,27,27	0
56	MG	1P	201	1/1	0.98	0.43	39,39,39,39	0
56	MG	2W	204	1/1	0.98	0.10	43,43,43,43	0
56	MG	1A	4004	1/1	0.98	0.07	37,37,37,37	0
56	MG	2A	3660	1/1	0.98	0.04	37,37,37,37	0
56	MG	2X	102	1/1	0.98	0.08	54,54,54,54	0
56	MG	2A	3186	1/1	0.98	0.05	65,65,65,65	0
56	MG	1P	203	1/1	0.98	0.10	33,33,33,33	0
56	MG	2A	3663	1/1	0.98	0.06	37,37,37,37	0
56	MG	2A	3006	1/1	0.98	0.08	38,38,38,38	0
56	MG	15	105	1/1	0.98	0.22	33,33,33,33	0
56	MG	1A	3009	1/1	0.98	0.04	25,25,25,25	0
56	MG	1A	3518	1/1	0.98	0.07	56,56,56,56	0
56	MG	2A	3010	1/1	0.98	0.06	40,40,40,40	0
56	MG	1A	3779	1/1	0.98	0.07	47,47,47,47	0
56	MG	2A	3012	1/1	0.98	0.07	46,46,46,46	0
56	MG	1Q	202	1/1	0.98	0.12	34,34,34,34	0
56	MG	2A	3014	1/1	0.98	0.26	49,49,49,49	0
56	MG	17	101	1/1	0.98	0.10	37,37,37,37	0
56	MG	1A	3278	1/1	0.98	0.27	43,43,43,43	0
56	MG	1A	4071	1/1	0.98	0.08	45,45,45,45	0
56	MG	1A	3726	1/1	0.98	0.07	25,25,25,25	0
56	MG	2A	3781	1/1	0.98	0.14	64,64,64,64	0
56	MG	1A	3631	1/1	0.98	0.06	24,24,24,24	0
56	MG	1A	3677	1/1	0.98	0.08	29,29,29,29	0
56	MG	1A	3055	1/1	0.98	0.05	37,37,37,37	0
56	MG	1D	303	1/1	0.98	0.09	18,18,18,18	0
56	MG	2A	3024	1/1	0.98	0.13	38,38,38,38	0
56	MG	1A	3280	1/1	0.98	0.34	39,39,39,39	0
56	MG	1D	305	1/1	0.98	0.20	35,35,35,35	0
56	MG	1D	306	1/1	0.98	0.13	38,38,38,38	0
56	MG	1D	307	1/1	0.98	0.13	52,52,52,52	0
56	MG	1A	3161	1/1	0.98	0.24	35,35,35,35	0
56	MG	1A	3682	1/1	0.98	0.06	29,29,29,29	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3688	1/1	0.98	0.06	58,58,58,58	0
56	MG	1A	3429	1/1	0.98	0.22	43,43,43,43	0
56	MG	1A	4017	1/1	0.98	0.04	48,48,48,48	0
56	MG	1E	301	1/1	0.98	0.17	34,34,34,34	0
56	MG	2A	3493	1/1	0.98	0.09	37,37,37,37	0
56	MG	2A	3494	1/1	0.98	0.06	32,32,32,32	0
56	MG	1a	1770	1/1	0.98	0.08	47,47,47,47	0
56	MG	1A	3557	1/1	0.98	0.07	25,25,25,25	0
56	MG	1A	3010	1/1	0.98	0.04	27,27,27,27	0
56	MG	1A	3559	1/1	0.98	0.15	44,44,44,44	0
56	MG	1A	3106	1/1	0.98	0.04	29,29,29,29	0
56	MG	1A	3057	1/1	0.98	0.06	26,26,26,26	0
56	MG	1A	3689	1/1	0.98	0.10	47,47,47,47	0
56	MG	1E	308	1/1	0.98	0.12	30,30,30,30	0
56	MG	2A	3131	1/1	0.98	0.18	46,46,46,46	0
56	MG	2A	3132	1/1	0.98	0.14	44,44,44,44	0
56	MG	1A	3562	1/1	0.98	0.07	41,41,41,41	0
56	MG	1A	3186	1/1	0.98	0.09	45,45,45,45	0
56	MG	2A	3507	1/1	0.98	0.07	41,41,41,41	0
56	MG	1A	3799	1/1	0.98	0.05	47,47,47,47	0
56	MG	1A	3800	1/1	0.98	0.05	28,28,28,28	0
56	MG	1V	201	1/1	0.98	0.16	33,33,33,33	0
56	MG	1A	3048	1/1	0.98	0.05	34,34,34,34	0
56	MG	1A	3003	1/1	0.98	0.06	22,22,22,22	0
56	MG	1V	205	1/1	0.98	0.24	54,54,54,54	0
56	MG	1A	3211	1/1	0.98	0.14	36,36,36,36	0
56	MG	1a	1701	1/1	0.98	0.14	41,41,41,41	0
56	MG	1A	3127	1/1	0.98	0.35	41,41,41,41	0
56	MG	1A	3110	1/1	0.98	0.06	38,38,38,38	0
56	MG	1A	3697	1/1	0.98	0.06	15,15,15,15	0
56	MG	1F	301	1/1	0.98	0.10	39,39,39,39	0
56	MG	1A	3012	1/1	0.98	0.03	30,30,30,30	0
56	MG	1A	3096	1/1	0.98	0.06	37,37,37,37	0
56	MG	1X	103	1/1	0.98	0.05	48,48,48,48	0
56	MG	1F	304	1/1	0.98	0.08	36,36,36,36	0
56	MG	2A	3723	1/1	0.98	0.11	41,41,41,41	0
56	MG	1a	1630	1/1	0.98	0.16	33,33,33,33	0
57	WC9	1A	4098	34/34	0.98	0.07	22,27,32,33	0
56	MG	1A	3097	1/1	0.98	0.17	22,22,22,22	0
56	MG	1X	106	1/1	0.98	0.07	37,37,37,37	0
56	MG	1A	3114	1/1	0.98	0.06	37,37,37,37	0
56	MG	2A	3529	1/1	0.98	0.06	45,45,45,45	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
58	ZN	29	501	1/1	0.98	0.04	76,76,76,76	0
56	MG	1a	1714	1/1	0.98	0.04	35,35,35,35	0
59	SF4	1d	302	8/8	0.98	0.05	64,70,73,76	0
56	MG	1A	3242	1/1	0.98	0.08	50,50,50,50	0
56	MG	1A	3924	1/1	0.98	0.09	38,38,38,38	0
56	MG	2A	3508	1/1	0.99	0.06	41,41,41,41	0
56	MG	1U	201	1/1	0.99	0.20	34,34,34,34	0
56	MG	1A	3834	1/1	0.99	0.09	39,39,39,39	0
56	MG	1A	3229	1/1	0.99	0.14	38,38,38,38	0
56	MG	1A	3899	1/1	0.99	0.08	45,45,45,45	0
56	MG	2A	3751	1/1	0.99	0.08	43,43,43,43	0
56	MG	1A	3679	1/1	0.99	0.05	30,30,30,30	0
56	MG	10	107	1/1	0.99	0.03	41,41,41,41	0
56	MG	1A	3173	1/1	0.99	0.11	38,38,38,38	0
56	MG	1A	3276	1/1	0.99	0.11	28,28,28,28	0
56	MG	1A	3667	1/1	0.99	0.07	29,29,29,29	0
56	MG	1A	3904	1/1	0.99	0.05	31,31,31,31	0
56	MG	1A	3979	1/1	0.99	0.10	30,30,30,30	0
56	MG	1A	3905	1/1	0.99	0.04	32,32,32,32	0
56	MG	1A	3021	1/1	0.99	0.02	26,26,26,26	0
56	MG	1A	3931	1/1	0.99	0.05	49,49,49,49	0
56	MG	1V	204	1/1	0.99	0.12	32,32,32,32	0
56	MG	2A	3763	1/1	0.99	0.06	35,35,35,35	0
56	MG	1A	3378	1/1	0.99	0.22	24,24,24,24	0
56	MG	1A	3037	1/1	0.99	0.14	25,25,25,25	0
56	MG	1A	3070	1/1	0.99	0.08	14,14,14,14	0
56	MG	2A	3767	1/1	0.99	0.04	62,62,62,62	0
56	MG	1A	3748	1/1	0.99	0.03	26,26,26,26	0
56	MG	2A	3018	1/1	0.99	0.11	29,29,29,29	0
56	MG	1W	202	1/1	0.99	0.18	37,37,37,37	0
56	MG	1a	1766	1/1	0.99	0.05	57,57,57,57	0
56	MG	2A	3399	1/1	0.99	0.11	25,25,25,25	0
56	MG	15	101	1/1	0.99	0.17	34,34,34,34	0
56	MG	1t	201	1/1	0.99	0.04	64,64,64,64	0
56	MG	2A	3534	1/1	0.99	0.04	33,33,33,33	0
56	MG	2A	3535	1/1	0.99	0.02	42,42,42,42	0
56	MG	1A	3546	1/1	0.99	0.12	38,38,38,38	0
56	MG	1A	3071	1/1	0.99	0.12	29,29,29,29	0
56	MG	1A	3156	1/1	0.99	0.23	39,39,39,39	0
56	MG	1A	3769	1/1	0.99	0.03	35,35,35,35	0
56	MG	1A	4047	1/1	0.99	0.03	39,39,39,39	0
56	MG	1a	1773	1/1	0.99	0.04	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	3991	1/1	0.99	0.05	36,36,36,36	0
56	MG	1A	3788	1/1	0.99	0.06	23,23,23,23	0
56	MG	1A	4081	1/1	0.99	0.04	37,37,37,37	0
56	MG	1A	4020	1/1	0.99	0.02	26,26,26,26	0
56	MG	1a	1738	1/1	0.99	0.06	62,62,62,62	0
56	MG	1A	4021	1/1	0.99	0.05	49,49,49,49	0
58	ZN	1Y	204	1/1	0.99	0.03	63,63,63,63	0
56	MG	1A	3789	1/1	0.99	0.04	27,27,27,27	0
58	ZN	15	109	1/1	0.99	0.03	45,45,45,45	0
58	ZN	1n	103	1/1	0.99	0.04	68,68,68,68	0
56	MG	1A	3013	1/1	0.99	0.13	30,30,30,30	0
56	MG	1A	3623	1/1	0.99	0.06	25,25,25,25	0
58	ZN	25	105	1/1	0.99	0.04	60,60,60,60	0
58	ZN	26	501	1/1	0.99	0.03	60,60,60,60	0
56	MG	1A	4055	1/1	0.99	0.09	33,33,33,33	0
56	MG	2A	3461	1/1	0.99	0.06	47,47,47,47	0
56	MG	2A	3647	1/1	0.99	0.04	37,37,37,37	0
59	SF4	2d	303	8/8	0.99	0.05	64,66,74,76	0
56	MG	1A	3014	1/1	0.99	0.05	27,27,27,27	0
56	MG	1A	3755	1/1	0.99	0.06	47,47,47,47	0
58	ZN	19	102	1/1	1.00	0.06	46,46,46,46	0
56	MG	1A	3716	1/1	1.00	0.06	26,26,26,26	0
56	MG	1A	3614	1/1	1.00	0.07	36,36,36,36	0
58	ZN	16	102	1/1	1.00	0.02	43,43,43,43	0

6.5 Other polymers [i](#)

There are no such residues in this entry.