



wwPDB X-ray Structure Validation Summary Report ⓘ

Mar 5, 2026 – 04:15 PM UTC

PDB ID : 8EV6 / pdb_00008ev6
Title : Crystal structure of the *Thermus thermophilus* 70S ribosome in complex with amikacin, mRNA, and A-, P-, and E-site tRNAs
Authors : Seely, S.M.; Gagnon, M.G.
Deposited on : 2022-10-19
Resolution : 2.95 Å(reported)

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

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

A user guide is available at

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

with specific help available everywhere you see the ⓘ symbol.

The types of validation reports are described at

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

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

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

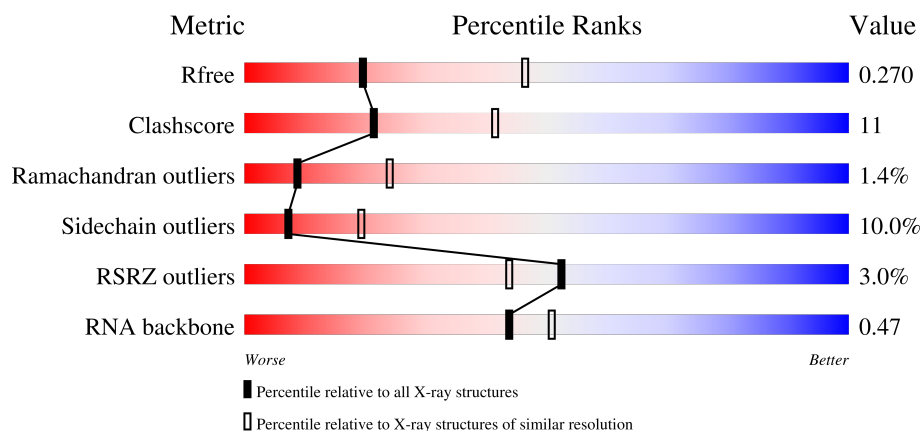
1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

X-RAY DIFFRACTION

The reported resolution of this entry is 2.95 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	1159 (2.96-2.92)
Clashscore	190562	1184 (2.96-2.92)
Ramachandran outliers	187476	1131 (2.96-2.92)
Sidechain outliers	187428	1131 (2.96-2.92)
RSRZ outliers	180081	1159 (2.96-2.92)
RNA backbone	3983	1018 (3.14-2.74)

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	<div> <div>58%</div> <div>34%</div> <div>7%</div> <div>.</div> </div>
1	2A	2915	<div> <div>51%</div> <div>37%</div> <div>8%</div> <div>.</div> </div>
2	1B	121	<div> <div>60%</div> <div>35%</div> <div>.</div> <div>.</div> </div>
2	2B	121	<div> <div>37%</div> <div>51%</div> <div>11%</div> <div>.</div> </div>

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


























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

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

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

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

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

Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
54	PSU	2y	55	-	-	X	-
56	MG	1A	3075	-	-	-	X
56	MG	1A	3337	-	-	-	X
56	MG	1a	1609	-	-	-	X
56	MG	1a	1752	-	-	-	X
56	MG	1a	1897	-	-	-	X
56	MG	2a	1739	-	-	-	X
56	MG	2a	1770	-	-	-	X
56	MG	2a	1771	-	-	-	X
59	SF4	1d	303	-	-	X	-

2 Entry composition

There are 60 unique types of molecules in this entry. The entry contains 297993 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
			61851	27530	11572	19878	2871			
1	2A	2800	Total	C	N	O	P	0	0	0
			60322	26848	11284	19390	2800			

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

- Molecule 53 is a RNA chain called mRNA.

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

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

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

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

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

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

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
56	1A	935	Total	Mg	0	0
			935	935		
56	1B	32	Total	Mg	0	0
			32	32		
56	1D	6	Total	Mg	0	0
			6	6		
56	1E	3	Total	Mg	0	0
			3	3		
56	1F	6	Total	Mg	0	0
			6	6		
56	1G	2	Total	Mg	0	0
			2	2		
56	1N	5	Total	Mg	0	0
			5	5		
56	1O	1	Total	Mg	0	0
			1	1		

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
56	1P	3	Total 3	Mg 3	0	0
56	1Q	3	Total 3	Mg 3	0	0
56	1R	3	Total 3	Mg 3	0	0
56	1T	1	Total 1	Mg 1	0	0
56	1U	1	Total 1	Mg 1	0	0
56	1V	3	Total 3	Mg 3	0	0
56	1W	4	Total 4	Mg 4	0	0
56	1X	1	Total 1	Mg 1	0	0
56	10	2	Total 2	Mg 2	0	0
56	12	1	Total 1	Mg 1	0	0
56	13	1	Total 1	Mg 1	0	0
56	15	3	Total 3	Mg 3	0	0
56	17	3	Total 3	Mg 3	0	0
56	18	3	Total 3	Mg 3	0	0
56	19	3	Total 3	Mg 3	0	0
56	1a	312	Total 312	Mg 312	0	0
56	1b	1	Total 1	Mg 1	0	0
56	1d	2	Total 2	Mg 2	0	0
56	1e	5	Total 5	Mg 5	0	0
56	1f	3	Total 3	Mg 3	0	0
56	1k	1	Total 1	Mg 1	0	0

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
56	1l	4	Total 4	Mg 4	0	0
56	1m	2	Total 2	Mg 2	0	0
56	1o	2	Total 2	Mg 2	0	0
56	1p	3	Total 3	Mg 3	0	0
56	1q	1	Total 1	Mg 1	0	0
56	1r	1	Total 1	Mg 1	0	0
56	1v	1	Total 1	Mg 1	0	0
56	1w	2	Total 2	Mg 2	0	0
56	1x	16	Total 16	Mg 16	0	0
56	1y	1	Total 1	Mg 1	0	0
56	2A	575	Total 575	Mg 575	0	0
56	2B	15	Total 15	Mg 15	0	0
56	2D	6	Total 6	Mg 6	0	0
56	2E	3	Total 3	Mg 3	0	0
56	2F	4	Total 4	Mg 4	0	0
56	2G	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	1	Total 1	Mg 1	0	0
56	2T	1	Total 1	Mg 1	0	0

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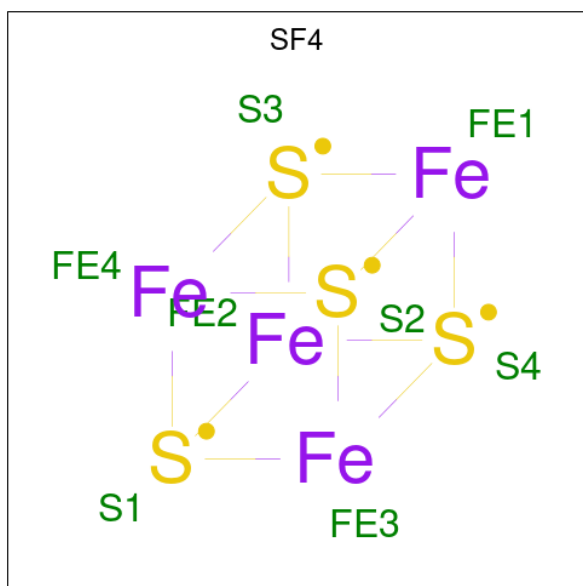
Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
56	2W	2	Total 2	Mg 2	0	0
56	2Y	1	Total 1	Mg 1	0	0
56	20	1	Total 1	Mg 1	0	0
56	21	1	Total 1	Mg 1	0	0
56	25	1	Total 1	Mg 1	0	0
56	28	1	Total 1	Mg 1	0	0
56	2a	310	Total 310	Mg 310	0	0
56	2b	1	Total 1	Mg 1	0	0
56	2d	1	Total 1	Mg 1	0	0
56	2e	1	Total 1	Mg 1	0	0
56	2g	2	Total 2	Mg 2	0	0
56	2m	1	Total 1	Mg 1	0	0
56	2q	1	Total 1	Mg 1	0	0
56	2t	2	Total 2	Mg 2	0	0
56	2v	3	Total 3	Mg 3	0	0
56	2w	2	Total 2	Mg 2	0	0
56	2x	9	Total 9	Mg 9	0	0

- Molecule 57 is (2S)-N-[(1R,2S,3S,4R,5S)-4-[(2R,3R,4S,5S,6R)-6-(aminomethyl)-3,4,5-tris(oxidanyl)oxan-2-yl]oxy-5-azanyl-2-[(2S,3R,4S,5S,6R)-4-azanyl-6-(hydroxymethyl)-3,5-bis(oxidanyl)oxan-2-yl]oxy-3-oxidanyl-cyclohexyl]-4-azanyl-2-oxidanyl-butanamide (CCD ID: AKN) (formula: C₂₂H₄₃N₅O₁₃) (labeled as "Ligand of Interest" by depositor).

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

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



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

- Molecule 60 is water.

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
60	1A	1124	Total 1124	O 1124	0	0
60	1B	13	Total 13	O 13	0	0
60	1D	17	Total 17	O 17	0	0
60	1E	10	Total 10	O 10	0	0
60	1F	10	Total 10	O 10	0	0
60	1G	2	Total 2	O 2	0	0
60	1H	4	Total 4	O 4	0	0
60	1N	2	Total 2	O 2	0	0
60	1O	4	Total 4	O 4	0	0
60	1P	8	Total 8	O 8	0	0
60	1Q	3	Total 3	O 3	0	0
60	1R	8	Total 8	O 8	0	0
60	1S	2	Total 2	O 2	0	0
60	1T	6	Total 6	O 6	0	0
60	1U	3	Total 3	O 3	0	0
60	1V	3	Total 3	O 3	0	0
60	1W	8	Total 8	O 8	0	0
60	1X	4	Total 4	O 4	0	0
60	1Y	2	Total 2	O 2	0	0
60	1Z	2	Total 2	O 2	0	0
60	10	2	Total 2	O 2	0	0
60	11	2	Total 2	O 2	0	0

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
60	12	4	Total 4	O 4	0	0
60	13	1	Total 1	O 1	0	0
60	14	1	Total 1	O 1	0	0
60	15	2	Total 2	O 2	0	0
60	16	4	Total 4	O 4	0	0
60	17	2	Total 2	O 2	0	0
60	18	5	Total 5	O 5	0	0
60	19	2	Total 2	O 2	0	0
60	1a	298	Total 298	O 298	0	0
60	1d	2	Total 2	O 2	0	0
60	1e	2	Total 2	O 2	0	0
60	1f	3	Total 3	O 3	0	0
60	1h	1	Total 1	O 1	0	0
60	1i	2	Total 2	O 2	0	0
60	1k	1	Total 1	O 1	0	0
60	1l	3	Total 3	O 3	0	0
60	1n	1	Total 1	O 1	0	0
60	1o	1	Total 1	O 1	0	0
60	1p	2	Total 2	O 2	0	0
60	1s	1	Total 1	O 1	0	0
60	1w	3	Total 3	O 3	0	0

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
60	1x	14	Total 14	O 14	0	0
60	1y	2	Total 2	O 2	0	0
60	2A	367	Total 367	O 367	0	0
60	2B	22	Total 22	O 22	0	0
60	2D	7	Total 7	O 7	0	0
60	2E	4	Total 4	O 4	0	0
60	2F	3	Total 3	O 3	0	0
60	2O	2	Total 2	O 2	0	0
60	2P	5	Total 5	O 5	0	0
60	2U	1	Total 1	O 1	0	0
60	2W	2	Total 2	O 2	0	0
60	2X	1	Total 1	O 1	0	0
60	2Y	1	Total 1	O 1	0	0
60	20	3	Total 3	O 3	0	0
60	21	3	Total 3	O 3	0	0
60	25	1	Total 1	O 1	0	0
60	27	2	Total 2	O 2	0	0
60	28	1	Total 1	O 1	0	0
60	29	1	Total 1	O 1	0	0
60	2a	273	Total 273	O 273	0	0
60	2d	3	Total 3	O 3	0	0

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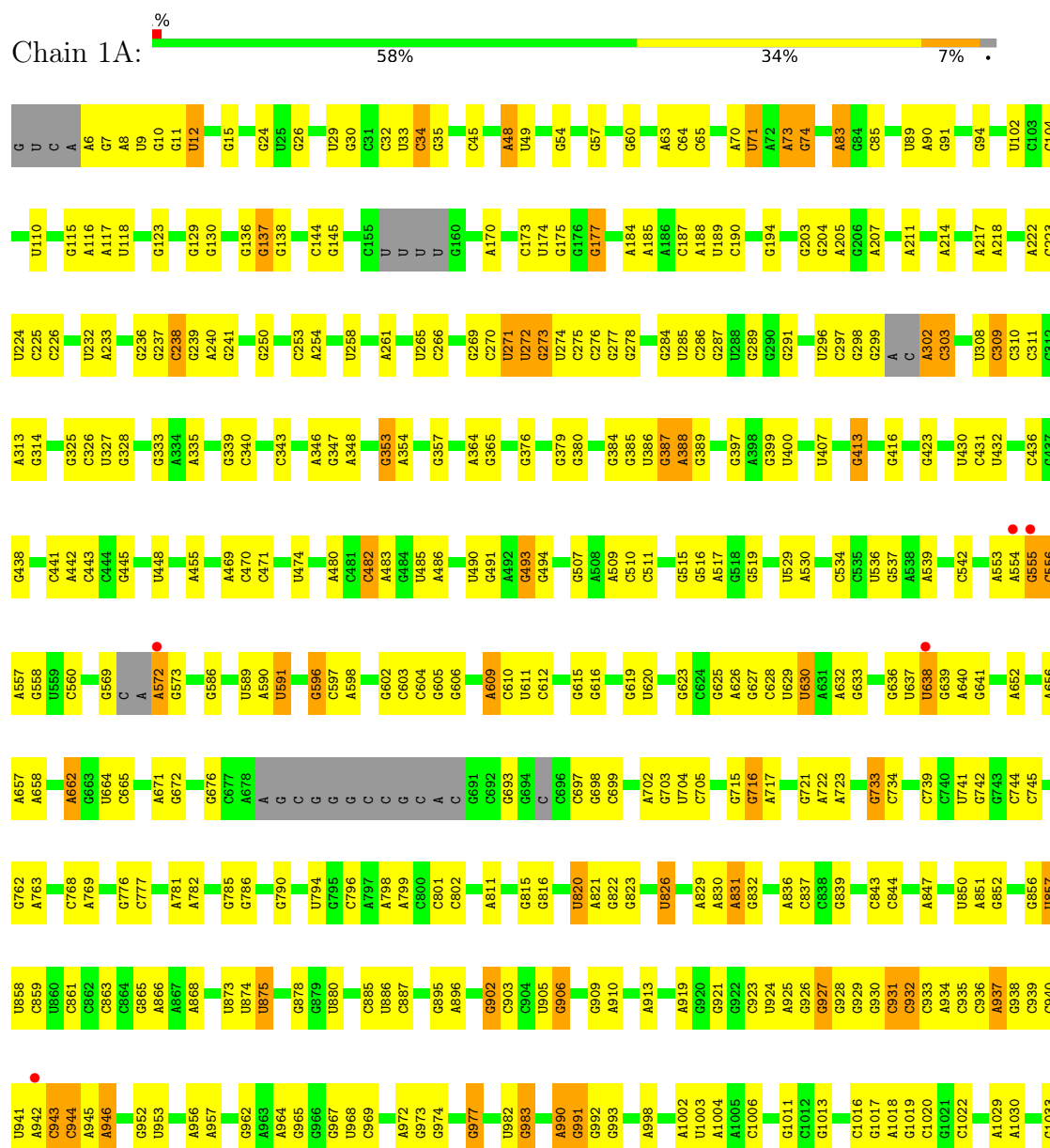
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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
60	2e	2	Total	O	0	0
			2	2		
60	2h	1	Total	O	0	0
			1	1		
60	2i	2	Total	O	0	0
			2	2		
60	2l	2	Total	O	0	0
			2	2		
60	2m	1	Total	O	0	0
			1	1		
60	2n	1	Total	O	0	0
			1	1		
60	2o	2	Total	O	0	0
			2	2		
60	2p	1	Total	O	0	0
			1	1		
60	2q	1	Total	O	0	0
			1	1		
60	2s	1	Total	O	0	0
			1	1		
60	2t	6	Total	O	0	0
			6	6		
60	2v	1	Total	O	0	0
			1	1		
60	2w	1	Total	O	0	0
			1	1		
60	2x	8	Total	O	0	0
			8	8		

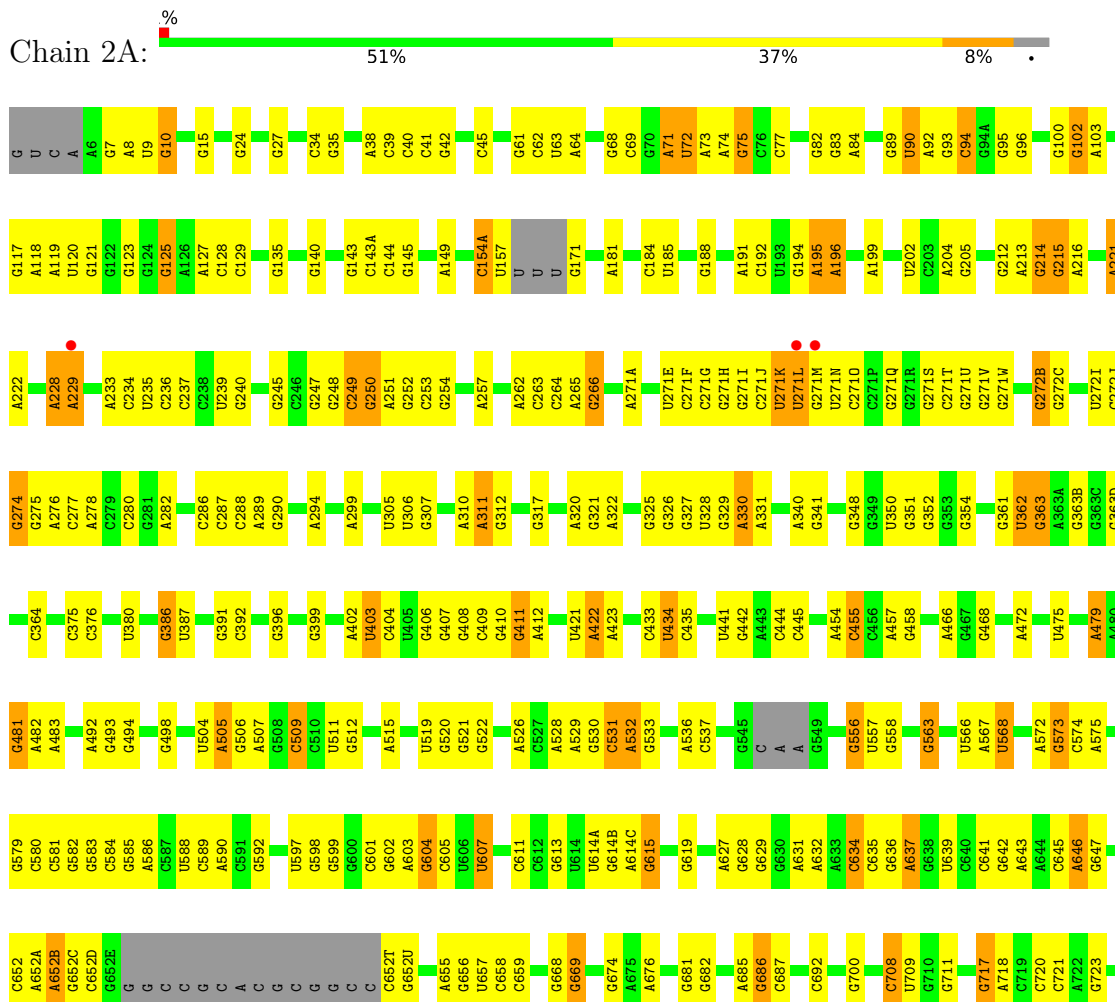
3 Residue-property plots [i](#)

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.

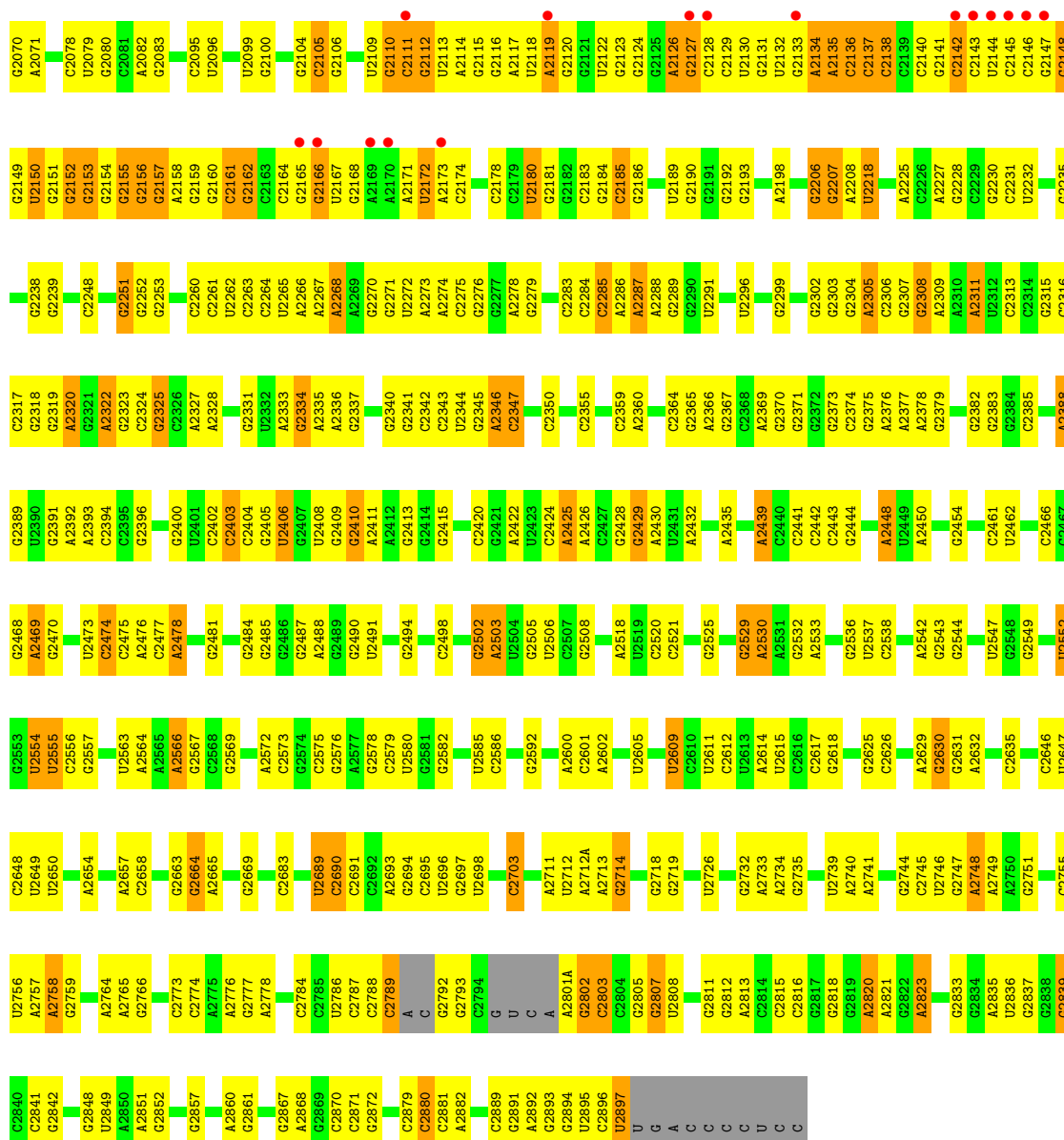
• Molecule 1: 23S Ribosomal RNA



A2317	G2346	C2151	G2045	A1960	G1847	G1743	C1829	G1525	G1417	C1304	G1200	A1115	C1040
G2320	A2347	U2152	A2053	U1961	G1848	G1744	A1630	G1529	U1418	G1310	A1201	A1116	C1041
U2324	A2348	G2153	G2053	U1962	U1849	G1746	A1631	G1529	U1418	A1311	A1202	G1118	A1042
G2327	G2349	G2154	A2054	C1963	G1854	A1747	A1632	A1536	A1425	G1312	G1210	A1119	A1046
C2328	G2350	A2156	G2062	G1970	A1856	G1762	C1633	C1539	G1430	U1313	G1211	G1120	A1047
C2329	G2351	C2157	U2063	U1973	G1857	U1782	C1634	A1540	G1431	A1314	C1212	C1121	G1048
G2330	G2352	C2158	A2064	A1974	C1861	G1766	A1635	A1541	C1432	C1315	G1217	A1123	G1049
G2331	G2353	C2160	C2065	A1975	U1864	A1767	G1641	A1542	C1433	G1317	G1218	U1124	C1050
A2332	G2354	C2161	G2074	G1976	U1864	U1775	U1648	G1546	A1438	U1319	G1221	C1125	C1051
G2333	G2355	C2162	G2074	U1977	U1864	C1776	U1648	C1547	A1438	A1324	A1222	U1127	C1052
A2334	G2356	C2163	C2077	C1984	G1870	G1776	C1653	C1550	A1441	A1324	A1222	U1128	A1056
G2335	G2357	U2166	A2078	U1985	A1878	G1781	A1654	C1551	U1442	C1337	C1224	U1129	G1057
G2337	G2358	C2167	A2079	G1986	U1878	G1781	A1655	C1551	U1442	C1338	C1224	U1129	U1058
G2338	G2359	C2168	A2082	C1989	U1882	G1785	G1659	A1554	U1443	C1339	G1228	A1132	C1059
A2339	G2360	C2169	G2083	G1990	A1883	A1786	G1655	C1555	C1444	U1340	G1231	A1133	U1065
A2340	G2361	G2170	A2084	G1990	A1884	G1787	A1660	A1556	G1447	C1343	G1232	G1135	A1086
G2341	G2362	C2171	G2085	G1991	A1885	G1787	A1660	A1556	G1447	C1343	G1233	G1136	A1087
G2342	G2363	U2172	C2086	A1992	G1889	A1791	G1665	C1559	U1451	U1346	G1236	G1137	G1088
G2343	G2364	G2173	C2087	A1993	G1889	A1792	G1665	C1559	U1451	U1346	G1236	G1137	G1088
G2344	G2365	U2174	C2088	G1994	G1890	A1793	G1668	C1561	U1452	A1347	G1236	G1139	G1071
G2345	G2366	G2175	G2091	G1995	G1892	G1794	G1668	C1561	U1452	A1347	G1236	G1139	U1072
A2346	G2367	C2176	G2091	G1995	G1892	G1794	G1668	C1561	U1452	A1347	G1236	G1139	U1072
A2347	G2368	G2177	C2091	G1995	G1892	G1794	G1668	C1561	U1452	A1347	G1236	G1139	U1072
A2348	G2369	G2178	C2091	G1995	G1892	G1794	G1668	C1561	U1452	A1347	G1236	G1139	U1072
G2349	G2370	G2179	C2091	G1995	G1892	G1794	G1668	C1561	U1452	A1347	G1236	G1139	U1072
G2350	G2371	A2180	A2104	A2008	A1898	A1804	C1683	A1574	U1466	A1354	G1248	A1141	A1073
G2351	G2372	G2181	A2105	A2008	A1898	A1804	C1683	A1574	U1466	A1354	G1248	A1141	A1073
G2352	G2373	C2182	C2105	A2008	A1898	A1804	C1683	A1574	U1466	A1354	G1248	A1141	A1073
G2353	G2374	G2183	C2105	A2008	A1898	A1804	C1683	A1574	U1466	A1354	G1248	A1141	A1073
G2354	G2375	C2184	C2105	A2008	A1898	A1804	C1683	A1574	U1466	A1354	G1248	A1141	A1073
G2355	G2376	G2185	C2105	A2008	A1898	A1804	C1683	A1574	U1466	A1354	G1248	A1141	A1073
G2356	G2377	C2186	C2105	A2008	A1898	A1804	C1683	A1574	U1466	A1354	G1248	A1141	A1073
G2357	G2378	G2187	C2105	A2008	A1898	A1804	C1683	A1574	U1466	A1354	G1248	A1141	A1073
G2358	G2379	C2188	C2105	A2008	A1898	A1804	C1683	A1574	U1466	A1354	G1248	A1141	A1073
G2359	G2380	G2189	C2105	A2008	A1898	A1804	C1683	A1574	U1466	A1354	G1248	A1141	A1073
G2360	G2381	C2190	C2105	A2008	A1898	A1804	C1683	A1574	U1466	A1354	G1248	A1141	A1073
G2361	G2382	G2191	C2105	A2008	A1898	A1804	C1683	A1574	U1466	A1354	G1248	A1141	A1073
G2362	G2383	C2192	C2105	A2008	A1898	A1804	C1683	A1574	U1466	A1354	G1248	A1141	A1073
G2363	G2384	G2193	C2105	A2008	A1898	A1804	C1683	A1574	U1466	A1354	G1248	A1141	A1073
G2364	G2385	C2194	C2105	A2008	A1898	A1804	C1683	A1574	U1466	A1354	G1248	A1141	A1073
G2365	G2386	G2195	C2105	A2008	A1898	A1804	C1683	A1574	U1466	A1354	G1248	A1141	A1073
G2366	G2387	C2196	C2105	A2008	A1898	A1804	C1683	A1574	U1466	A1354	G1248	A1141	A1073
G2367	G2388	G2197	C2105	A2008	A1898	A1804	C1683	A1574	U1466	A1354	G1248	A1141	A1073
G2368	G2389	C2198	C2105	A2008	A1898	A1804	C1683	A1574	U1466	A1354	G1248	A1141	A1073
G2369	G2390	G2199	C2105	A2008	A1898	A1804	C1683	A1574	U1466	A1354	G1248	A1141	A1073
G2370	G2391	C2200	C2105	A2008	A1898	A1804	C1683	A1574	U1466	A1354	G1248	A1141	A1073
G2371	G2392	G2201	C2105	A2008	A1898	A1804	C1683	A1574	U1466	A1354	G1248	A1141	A1073
G2372	G2393	C2202	C2105	A2008	A1898	A1804	C1683	A1574	U1466	A1354	G1248	A1141	A1073
G2373	G2394	G2203	C2105	A2008	A1898	A1804	C1683	A1574	U1466	A1354	G1248	A1141	A1073
G2374	G2395	C2204	C2105	A2008	A1898	A1804	C1683	A1574	U1466	A1354	G1248	A1141	A1073
G2375	G2396	G2205	C2105	A2008	A1898	A1804	C1683	A1574	U1466	A1354	G1248	A1141	A1073
G2376	G2397	C2206	C2105	A2008	A1898	A1804	C1683	A1574	U1466	A1354	G1248	A1141	A1073
G2377	G2398	G2207	C2105	A2008	A1898	A1804	C1683	A1574	U1466	A1354	G1248	A1141	A1073
G2378	G2399	C2208	C2105	A2008	A1898	A1804	C1683	A1574	U1466	A1354	G1248	A1141	A1073
G2379	G2400	G2209	C2105	A2008	A1898	A1804	C1683	A1574	U1466	A1354	G1248	A1141	A1073
G2380	G2401	C2210	C2105	A2008	A1898	A1804	C1683	A1574	U1466	A1354	G1248	A1141	A1073
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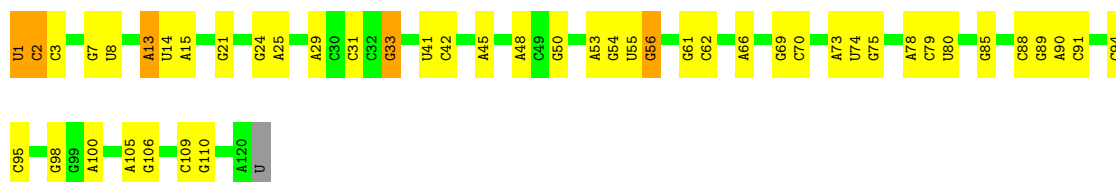


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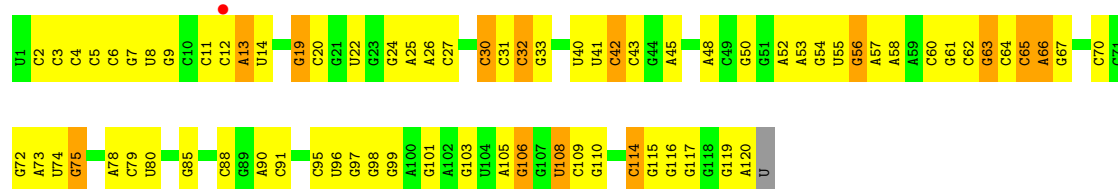
• Molecule 2: 5S Ribosomal RNA

Chain 1B: 60% 35%

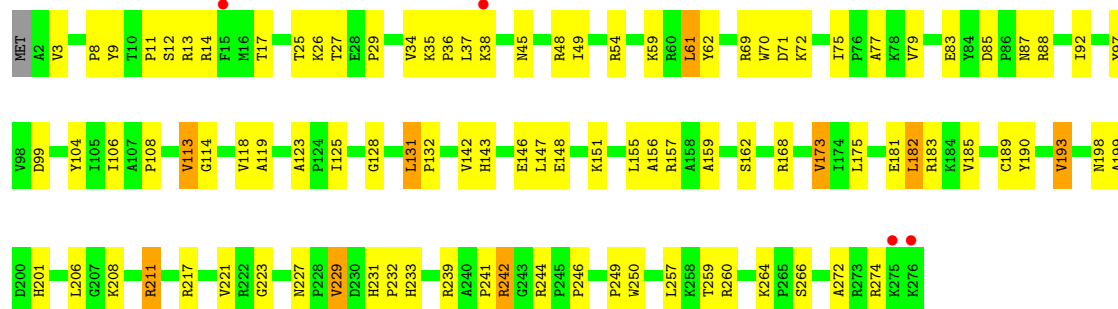


• Molecule 2: 5S Ribosomal RNA

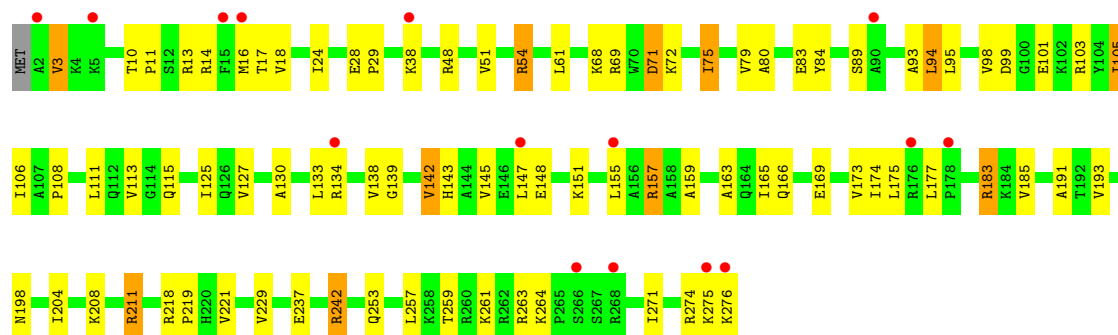
Chain 2B: 37% 51% 11%



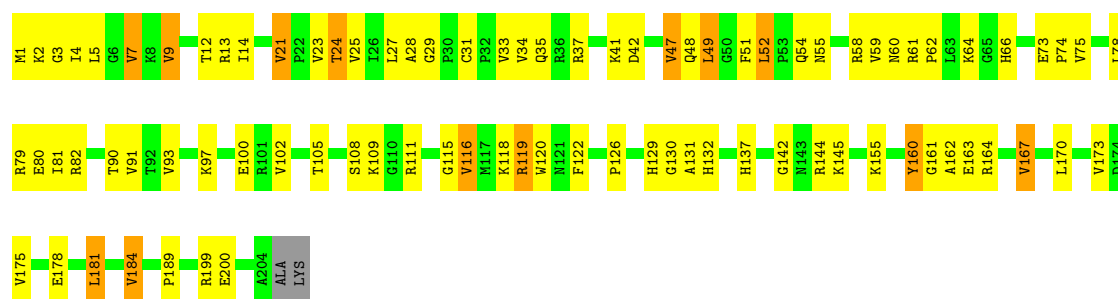
• Molecule 3: 50S ribosomal protein L2



• Molecule 3: 50S ribosomal protein L2



• Molecule 4: 50S ribosomal protein L3



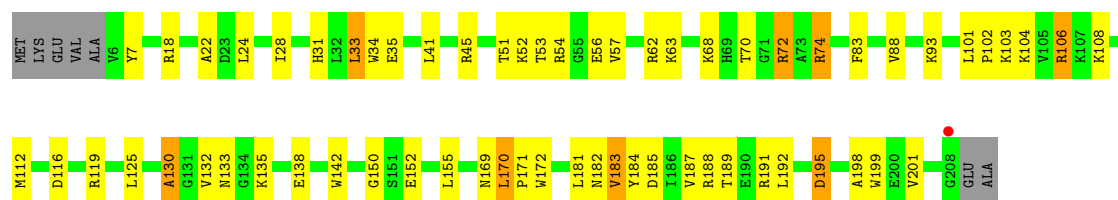
• Molecule 4: 50S ribosomal protein L3

Chain 2E: 



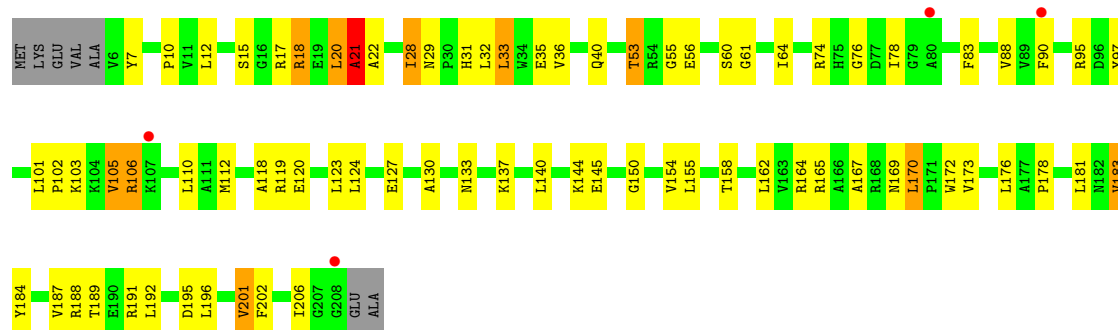
- Molecule 5: 50S ribosomal protein L4

Chain 1F: 



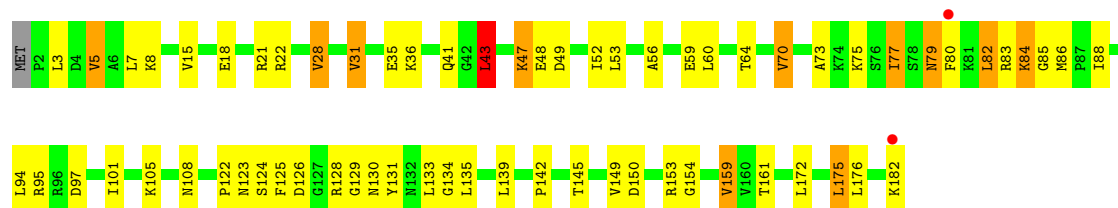
- Molecule 5: 50S ribosomal protein L4

Chain 2F: 

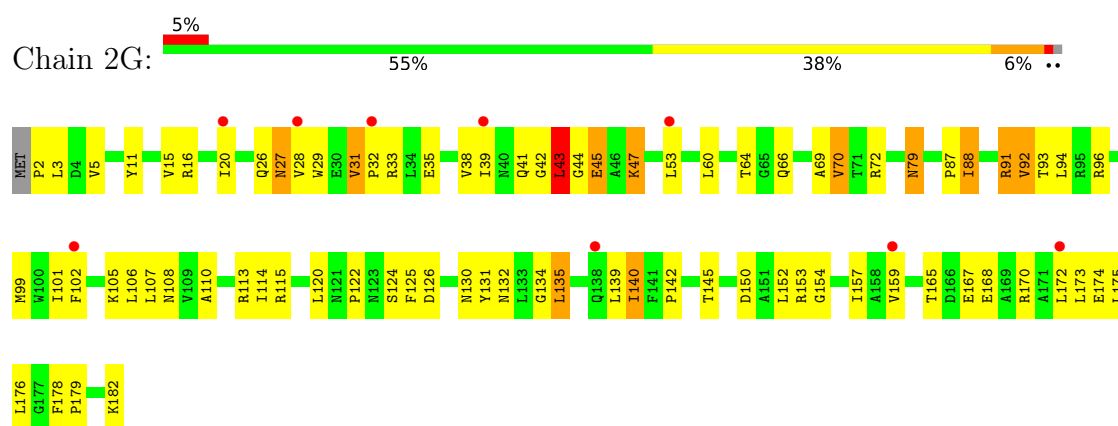


- Molecule 6: 50S ribosomal protein L5

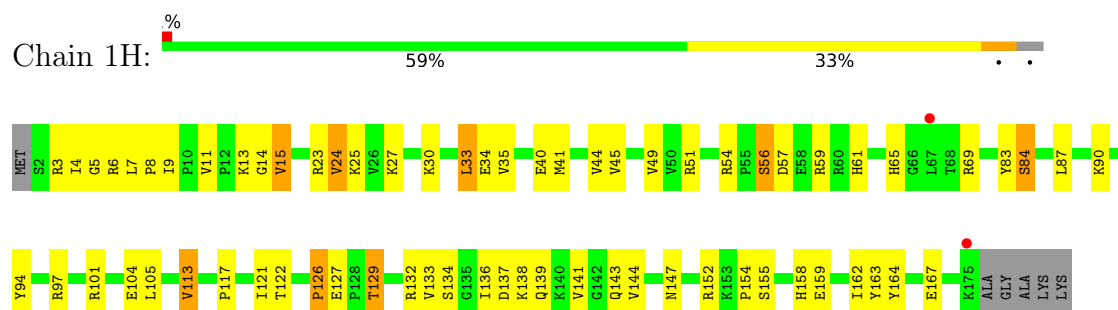
Chain 1G: 



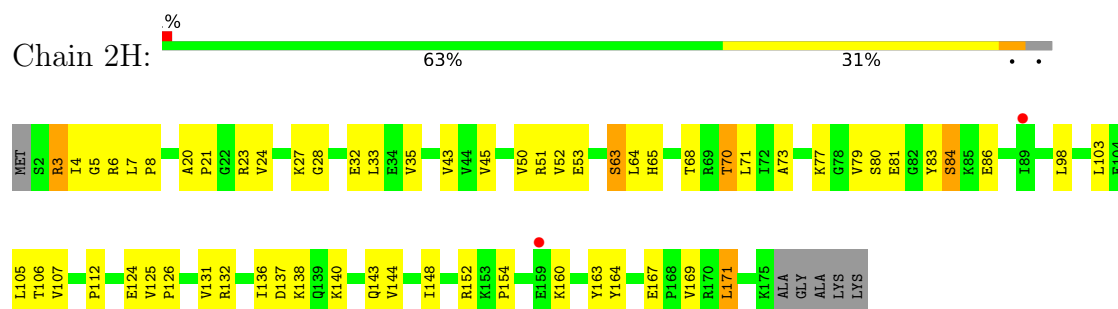
- Molecule 6: 50S ribosomal protein L5



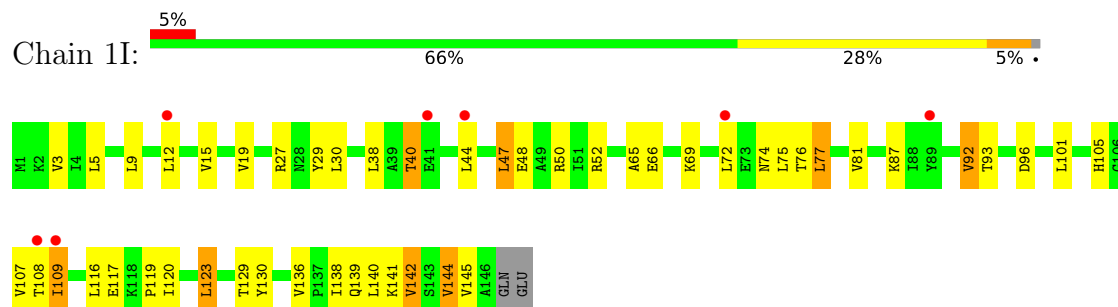
- Molecule 7: 50S ribosomal protein L6



- Molecule 7: 50S ribosomal protein L6

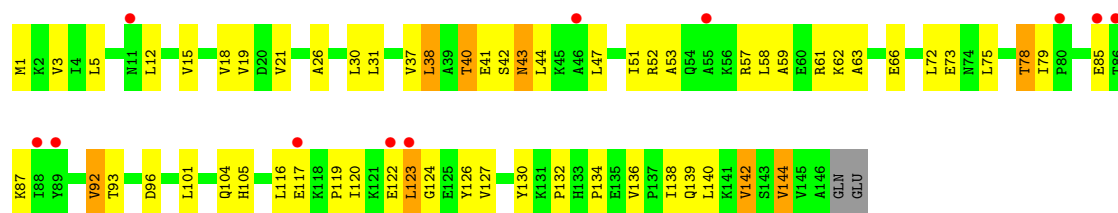


- Molecule 8: 50S ribosomal protein L9

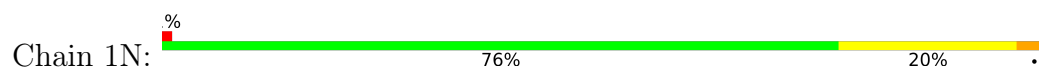


- Molecule 8: 50S ribosomal protein L9

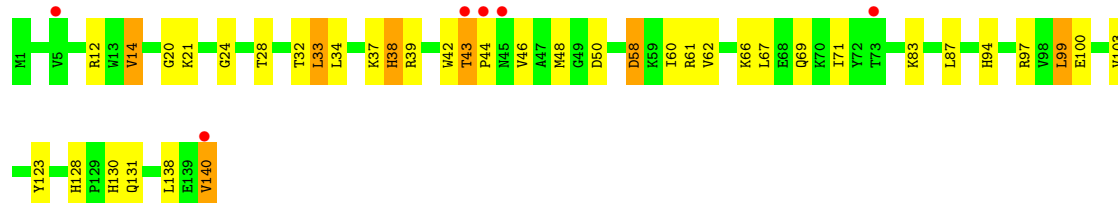
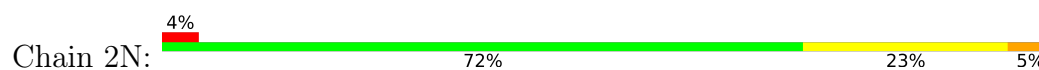




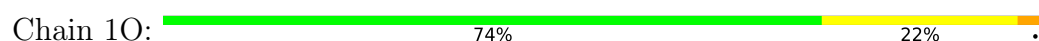
• Molecule 9: 50S ribosomal protein L13



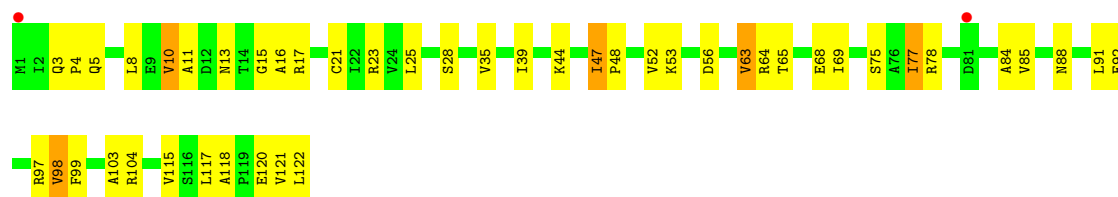
• Molecule 9: 50S ribosomal protein L13



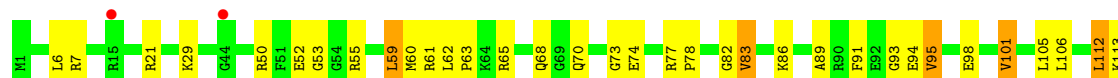
• Molecule 10: 50S ribosomal protein L14

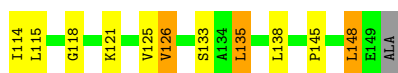


• Molecule 10: 50S ribosomal protein L14

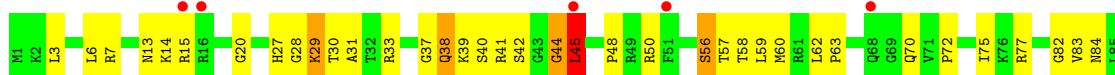


• Molecule 11: 50S ribosomal protein L15





- Molecule 11: 50S ribosomal protein L15



- Molecule 12: 50S ribosomal protein L16



- Molecule 12: 50S ribosomal protein L16



- Molecule 13: 50S ribosomal protein L17

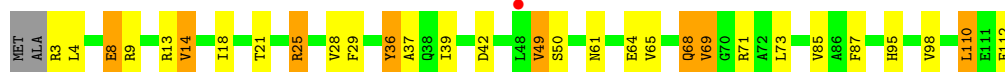
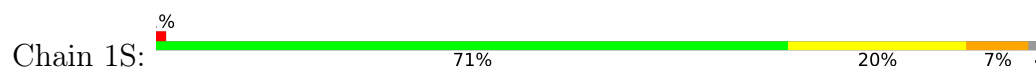


- Molecule 13: 50S ribosomal protein L17

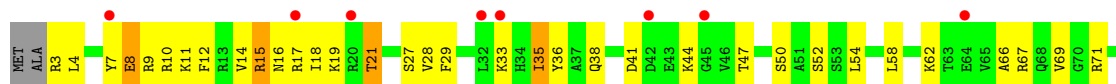




- Molecule 14: 50S ribosomal protein L18



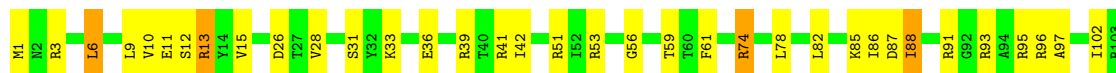
- Molecule 14: 50S ribosomal protein L18



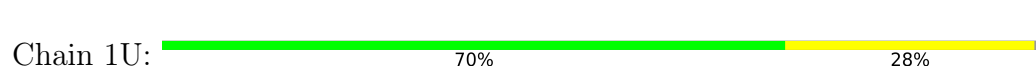
- Molecule 15: 50S ribosomal protein L19

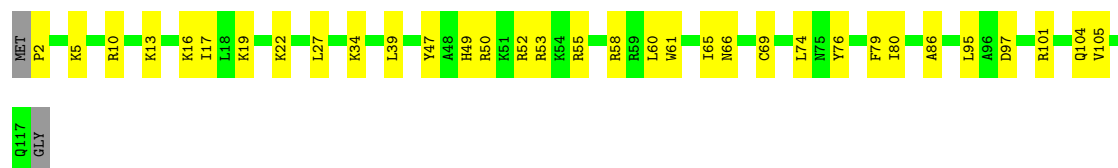


- Molecule 15: 50S ribosomal protein L19



- Molecule 16: 50S ribosomal protein L20





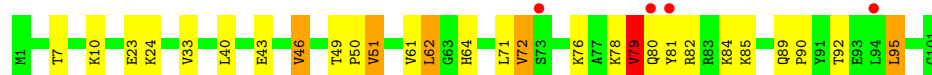
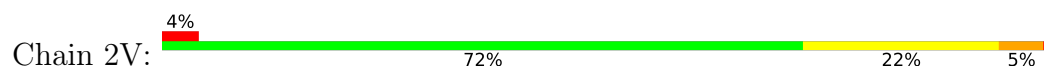
- Molecule 16: 50S ribosomal protein L20



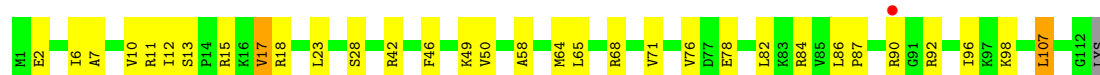
- Molecule 17: 50S ribosomal protein L21



- Molecule 17: 50S ribosomal protein L21



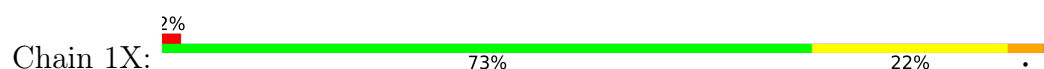
- Molecule 18: 50S ribosomal protein L22



- Molecule 18: 50S ribosomal protein L22

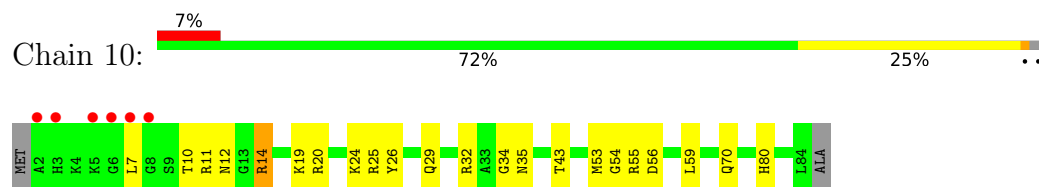


- Molecule 19: 50S ribosomal protein L23

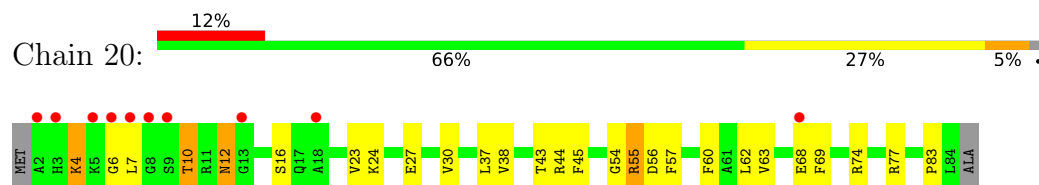


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|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|------|------|------|------|------|--|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| E145 | I146 | G147 | L148 | S149 | L150 | H151 | A152 | S153 | D154 | L155 | K156 | L157 | P158 | | V161 | E162 | L163 | A164 | V165 | | E168 | T170 | I171 | A172 | A173 | V174 | VAL | PRO | PRO | GLU | GLU | ASP | VAL | GLU | LYS | LEU | ALA | GLU | GLU | GLU | ALA | ALA | ALA | ALA | GLU | VAL | ALA | VAL | VAL | PRO | PRO | GLU | VAL | ILE | LYS | LYS | GLY | LYS | GLU | GLU | GLU | GLU | GLU |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|------|------|------|------|------|--|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|

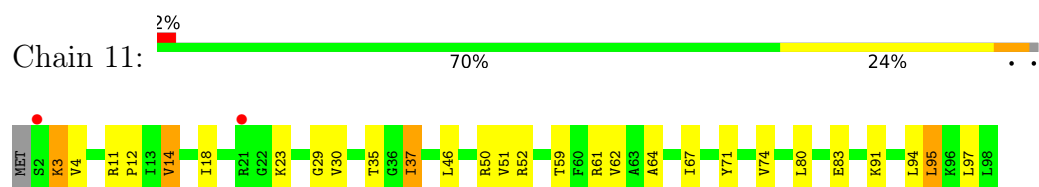
- Molecule 22: 50S ribosomal protein L27



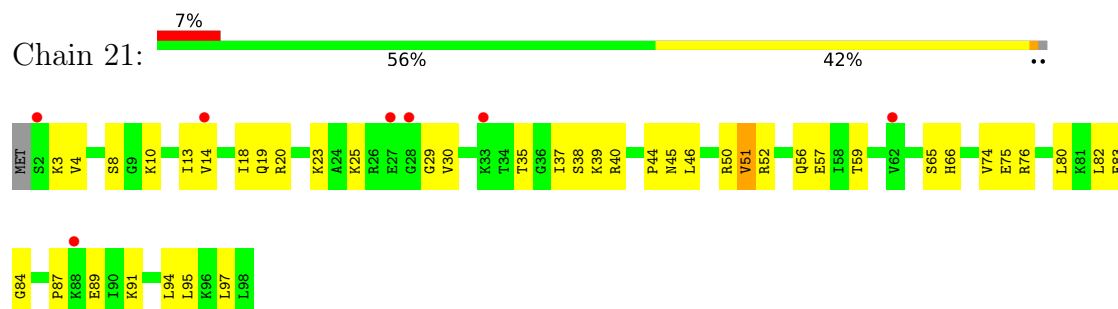
- Molecule 22: 50S ribosomal protein L27



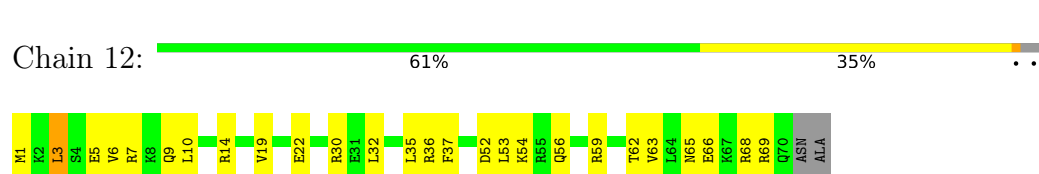
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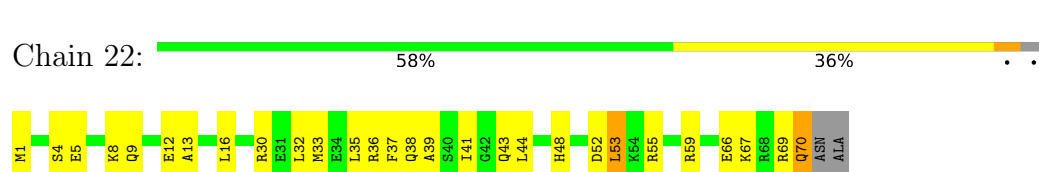
- Molecule 23: 50S ribosomal protein L28



- Molecule 24: 50S ribosomal protein L29



- Molecule 24: 50S ribosomal protein L29



- Molecule 25: 50S ribosomal protein L30

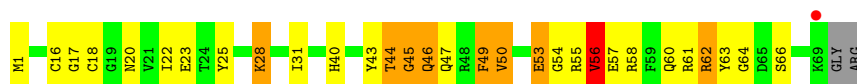




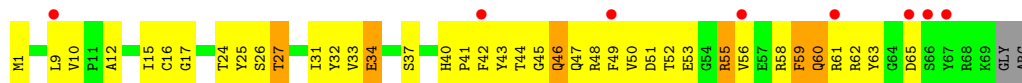
- Molecule 25: 50S ribosomal protein L30



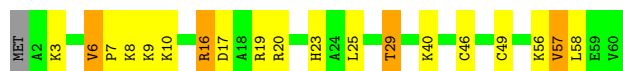
- Molecule 26: 50S ribosomal protein L31



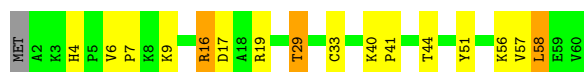
- Molecule 26: 50S ribosomal protein L31



- Molecule 27: 50S ribosomal protein L32



- Molecule 27: 50S ribosomal protein L32



- Molecule 28: 50S ribosomal protein L33

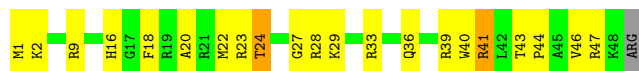


- Molecule 28: 50S ribosomal protein L33





- Molecule 29: 50S ribosomal protein L34



- Molecule 29: 50S ribosomal protein L34



- Molecule 30: 50S ribosomal protein L35



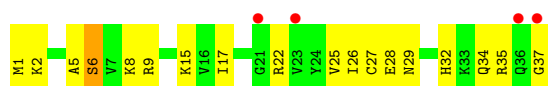
- Molecule 30: 50S ribosomal protein L35



- Molecule 31: 50S ribosomal protein L36



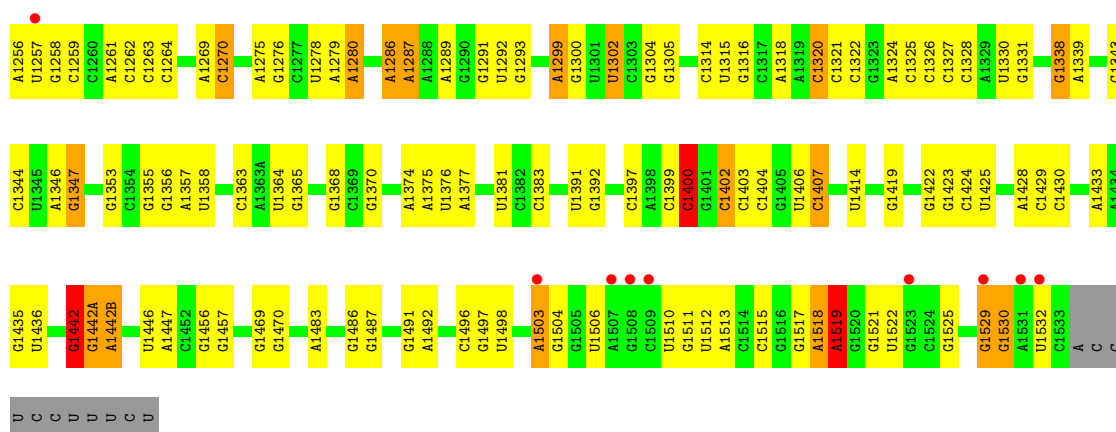
- Molecule 31: 50S ribosomal protein L36



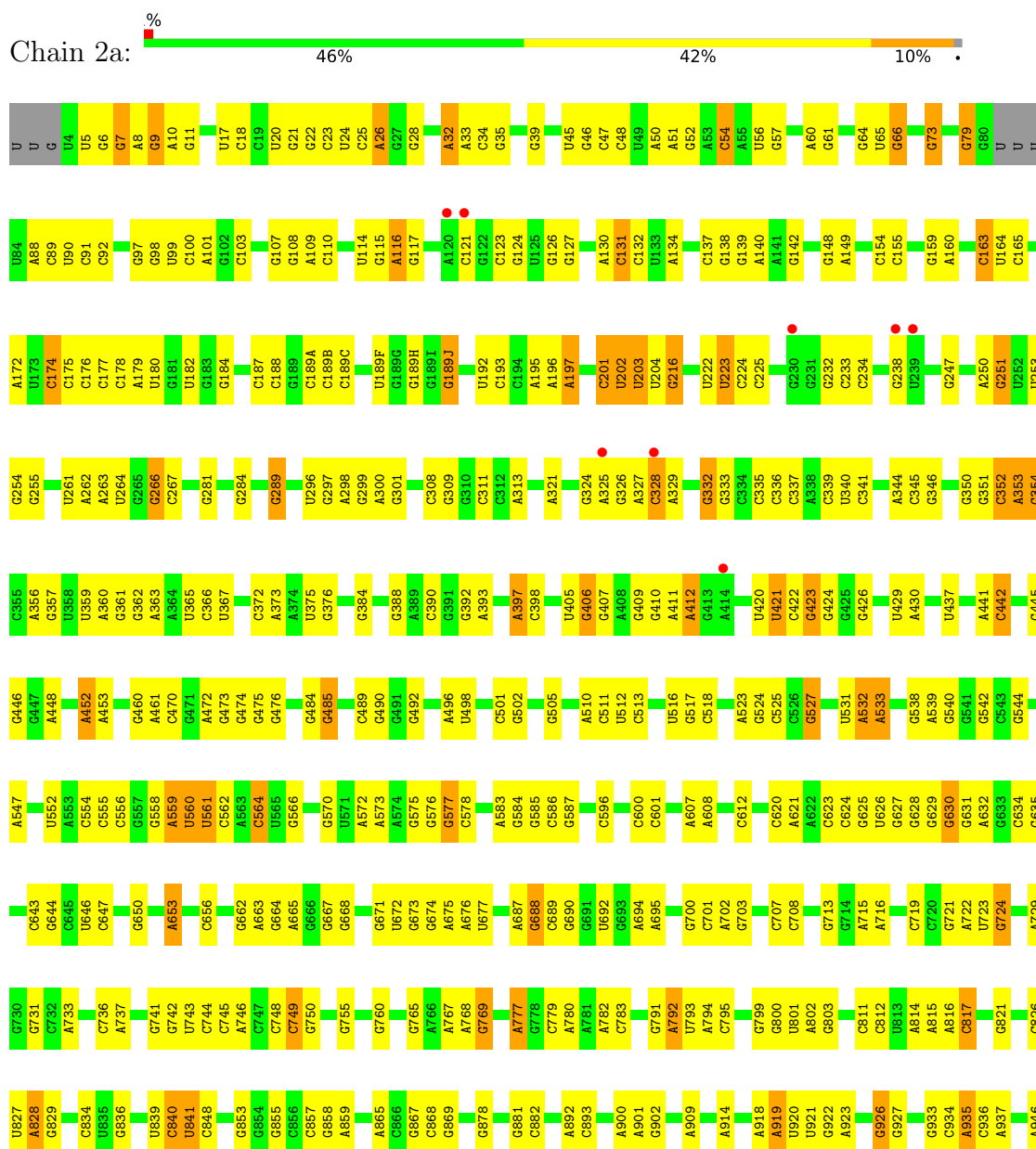
- Molecule 32: 16S Ribosomal RNA

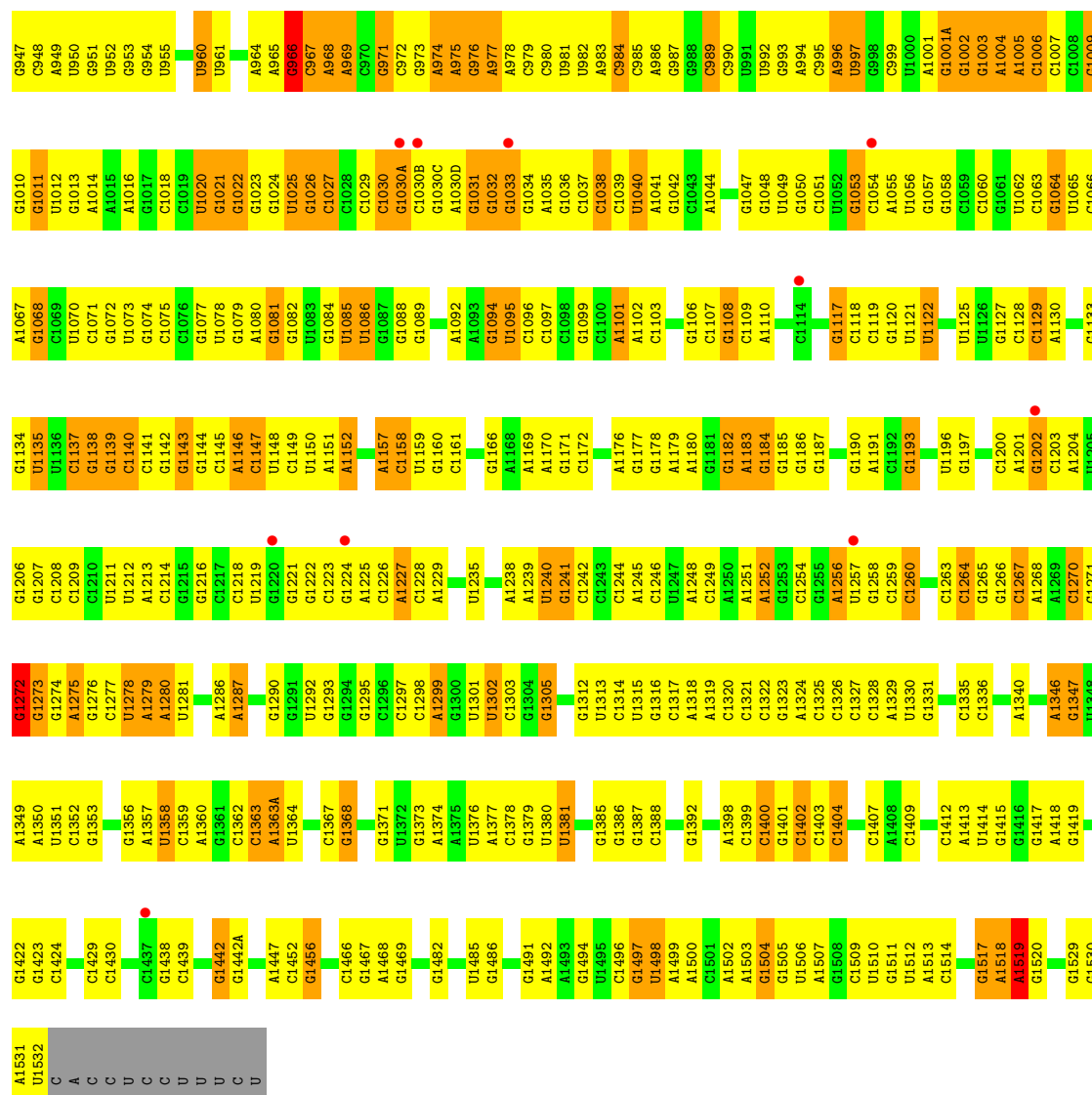






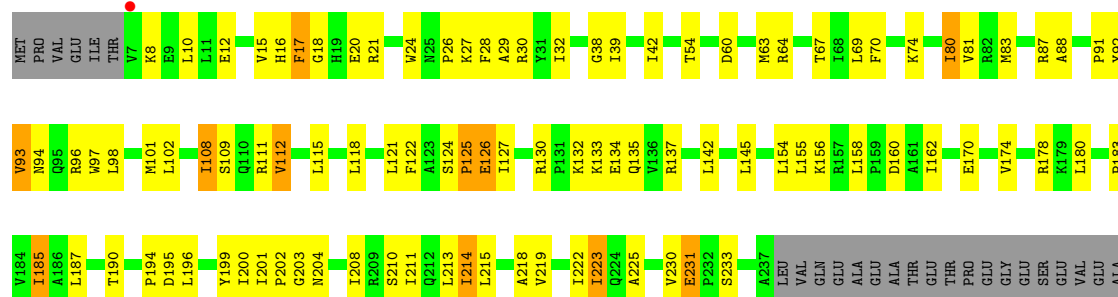
• Molecule 32: 16S Ribosomal RNA





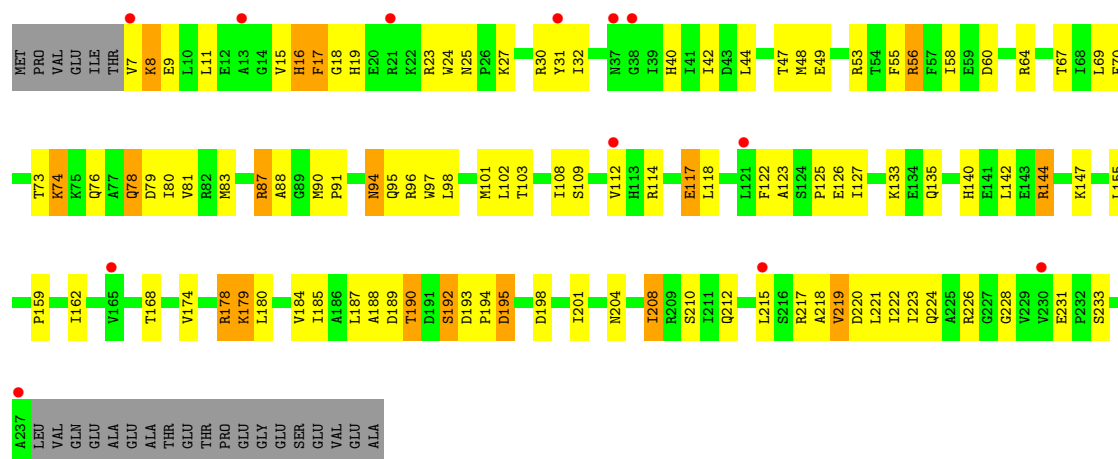
• Molecule 33: 30S ribosomal protein S2

Chain 1b: 52% 34% 10%

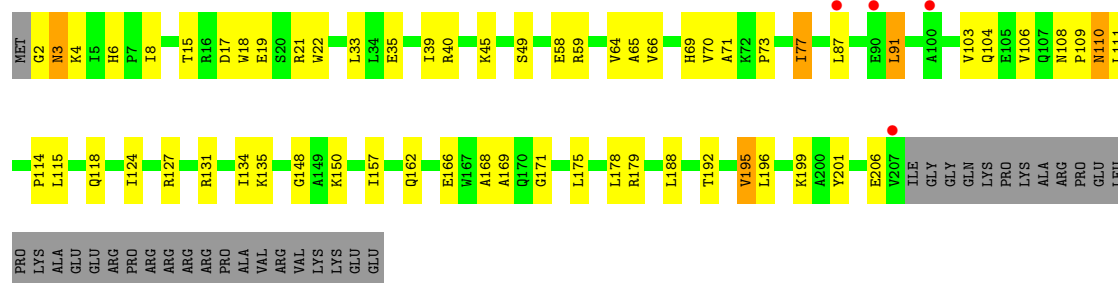


• Molecule 33: 30S ribosomal protein S2

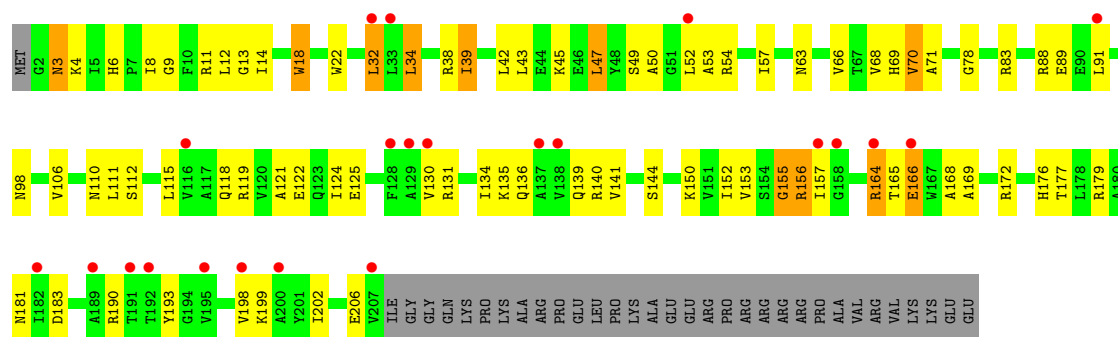
Chain 2b: 5% 49% 34% 7% 10%



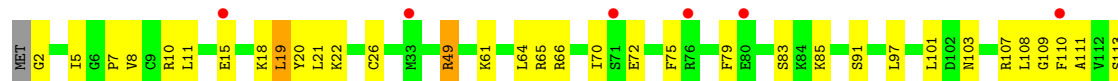
• Molecule 34: 30S ribosomal protein S3

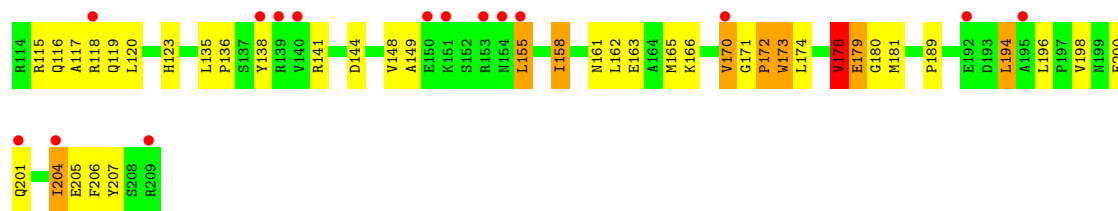


• Molecule 34: 30S ribosomal protein S3

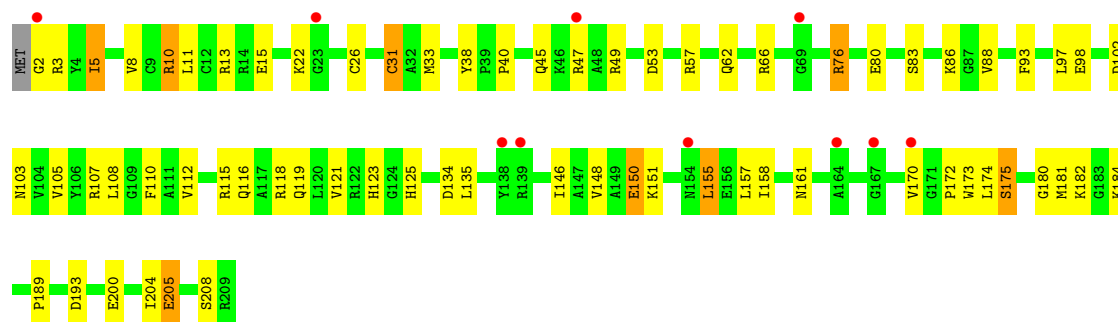


• Molecule 35: 30S ribosomal protein S4

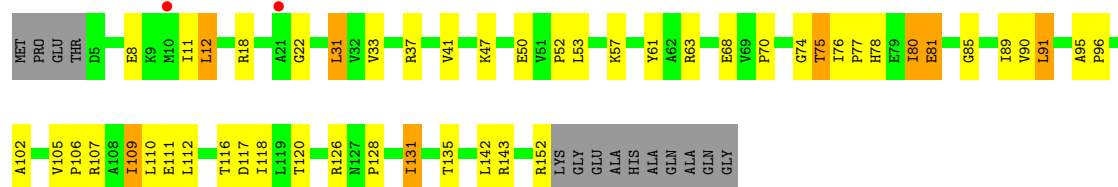




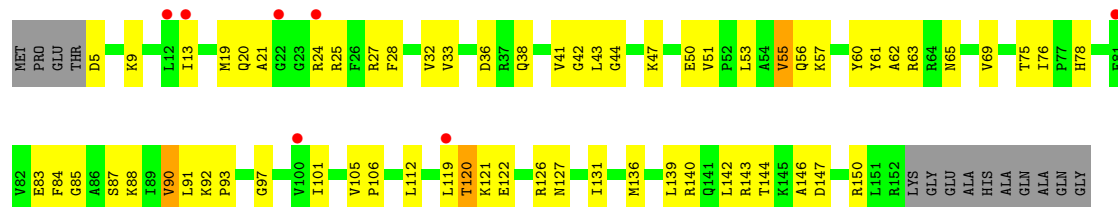
• Molecule 35: 30S ribosomal protein S4



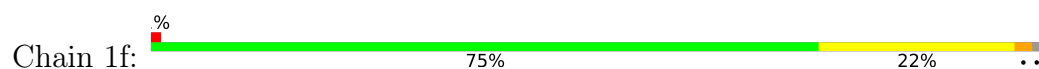
• Molecule 36: 30S ribosomal protein S5



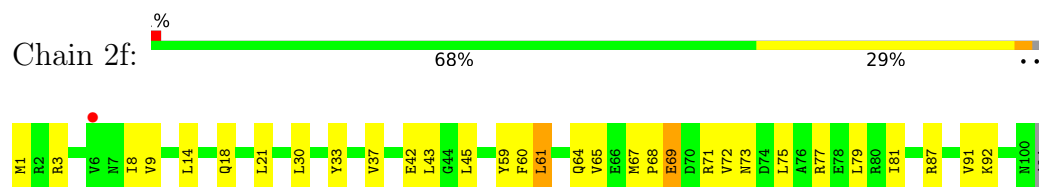
• Molecule 36: 30S ribosomal protein S5



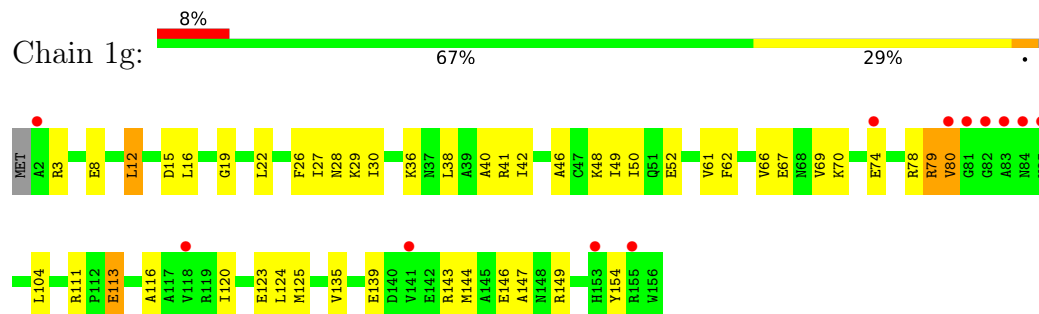
• Molecule 37: 30S ribosomal protein S6



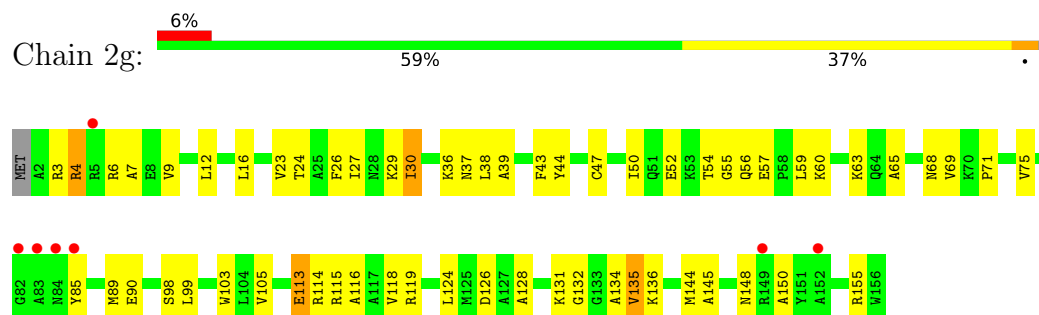
- Molecule 37: 30S ribosomal protein S6



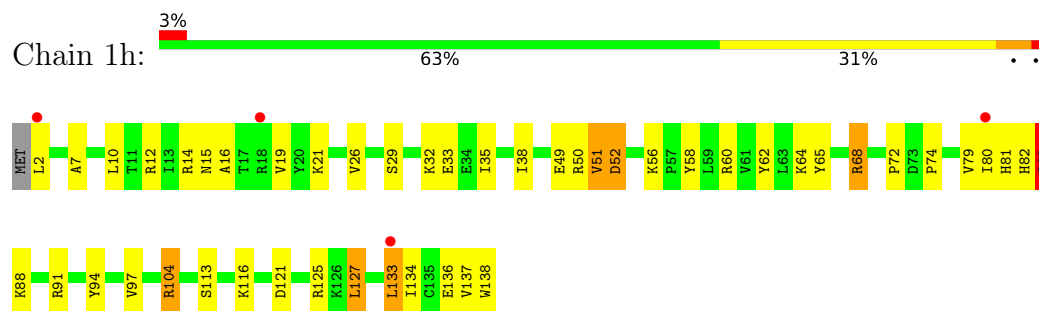
- Molecule 38: 30S ribosomal protein S7



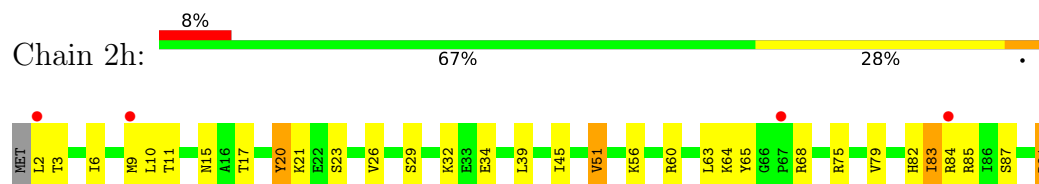
- Molecule 38: 30S ribosomal protein S7



- Molecule 39: 30S ribosomal protein S8

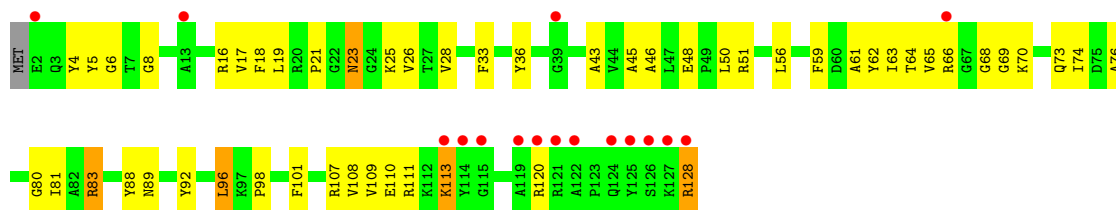


- Molecule 39: 30S ribosomal protein S8

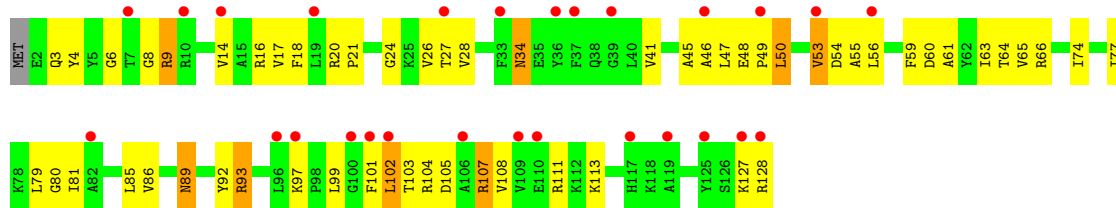




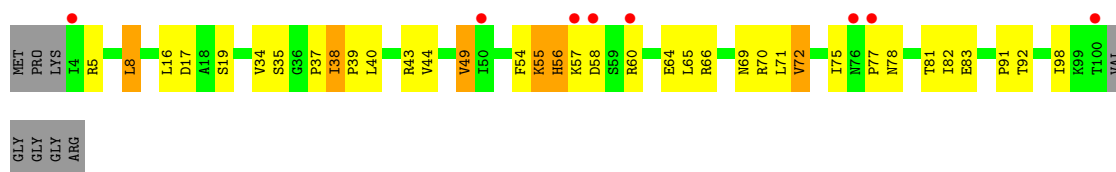
- Molecule 40: 30S ribosomal protein S9



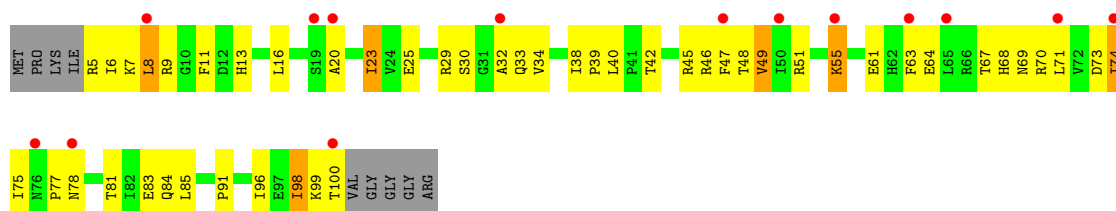
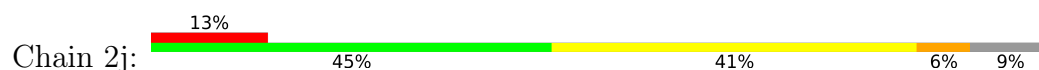
- Molecule 40: 30S ribosomal protein S9



- Molecule 41: 30S ribosomal protein S10



- Molecule 41: 30S ribosomal protein S10



- Molecule 42: 30S ribosomal protein S11





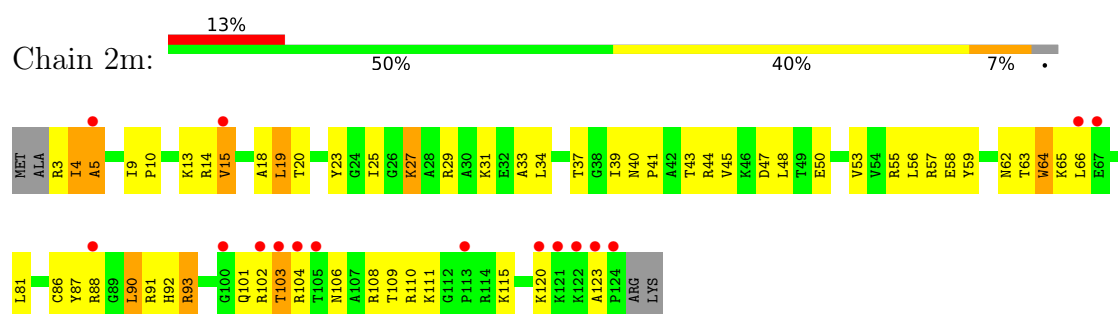
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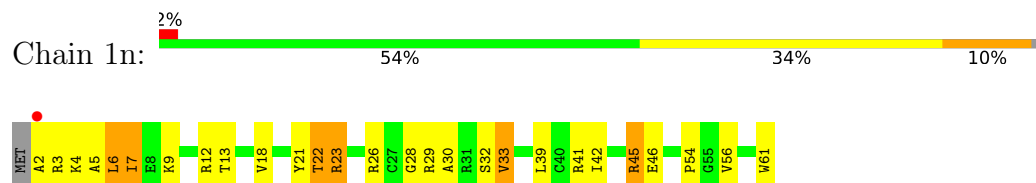
-

- | LYS | MET |
|-----|------|
| | A2 |
| | R3 |
| | T4 |
| | A5 |
| | |
| | I9 |
| | |
| | R14 |
| | V15 |
| | D16 |
| | V17 |
| | A18 |
| | L19 |
| | T20 |
| | |
| | T43 |
| | |
| | D47 |
| | |
| | E50 |
| | |
| | L56 |
| | R57 |
| | E58 |
| | |
| | N62 |
| | |
| | K65 |
| | L66 |
| | E67 |
| | G68 |
| | E69 |
| | L70 |
| | R71 |
| | |
| | V74 |
| | |
| | I78 |
| | R79 |
| | R80 |
| | L81 |
| | R82 |
| | |
| | Y87 |
| | |
| | R91 |
| | H92 |
| | |
| | R102 |
| | |
| | T105 |
| | |
| | A118 |
| | |
| | K121 |
| | K122 |
| | A123 |
| | P124 |
| | L62 |

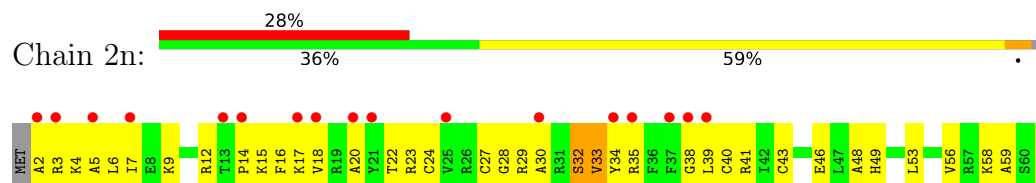
- WORLDWIDE
PDB
PROTEIN DATA BANK



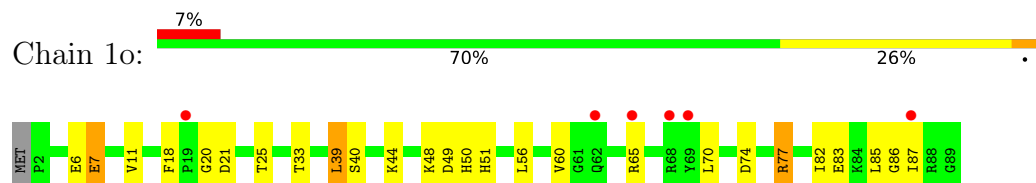
- Molecule 45: 30S ribosomal protein S14 type Z



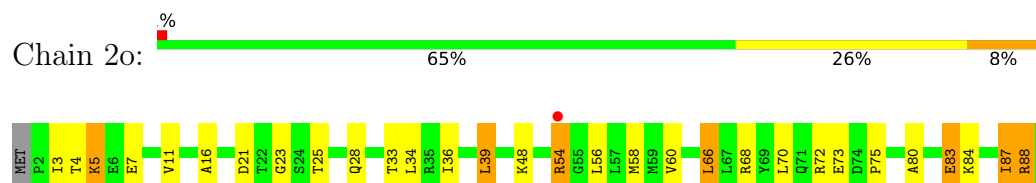
- Molecule 45: 30S ribosomal protein S14 type Z



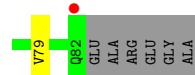
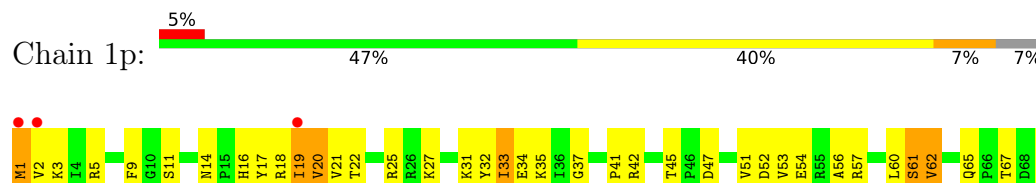
- Molecule 46: 30S ribosomal protein S15



- Molecule 46: 30S ribosomal protein S15

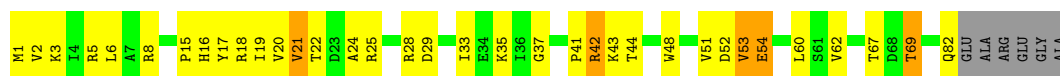


- Molecule 47: 30S ribosomal protein S16



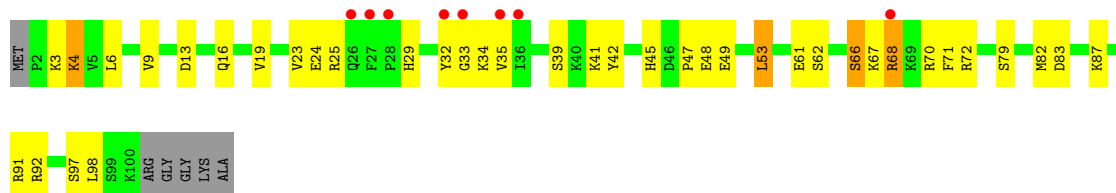
- Molecule 47: 30S ribosomal protein S16

Chain 2p: 



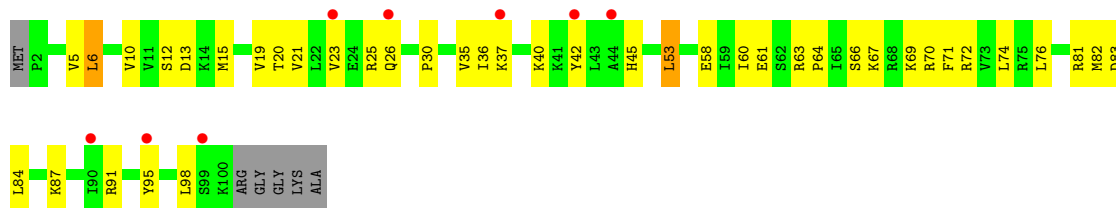
- Molecule 48: 30S ribosomal protein S17

Chain 1q: 



- Molecule 48: 30S ribosomal protein S17

Chain 2q: 



- Molecule 49: 30S ribosomal protein S18

Chain 1r: 

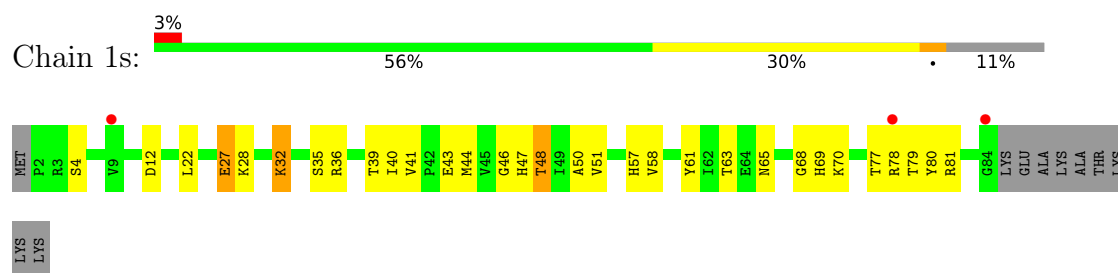


- Molecule 49: 30S ribosomal protein S18

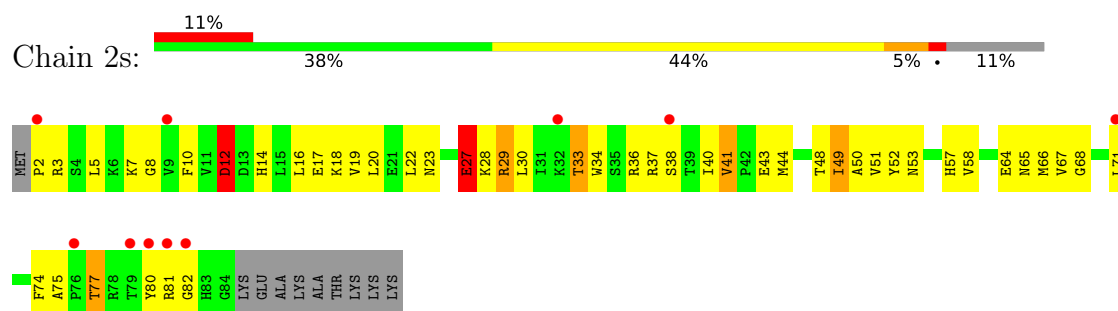
Chain 2r: 



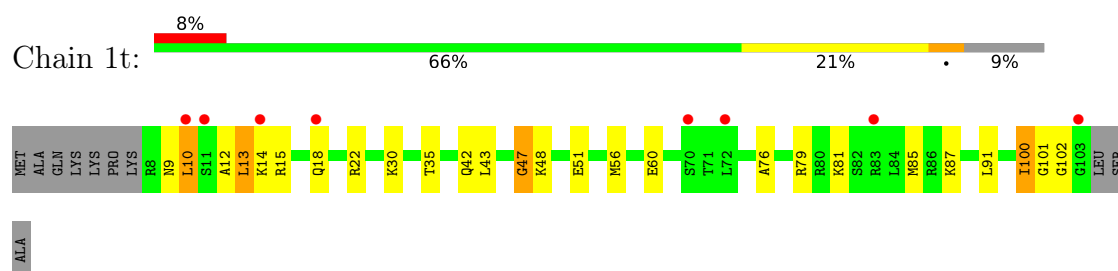
- Molecule 50: 30S ribosomal protein S19



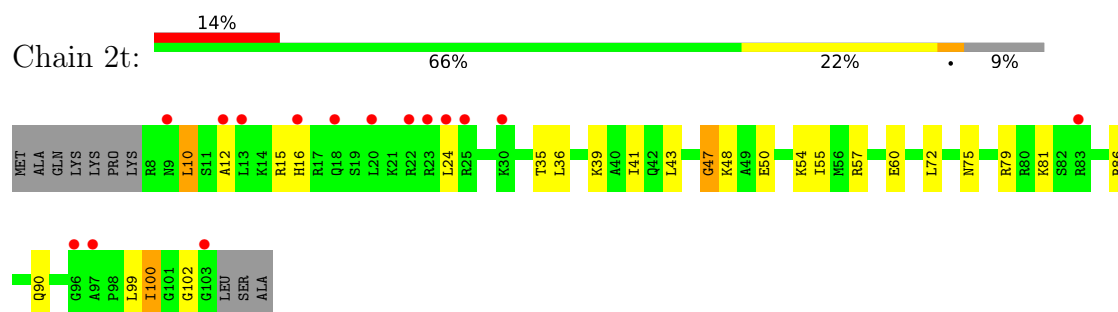
- Molecule 50: 30S ribosomal protein S19



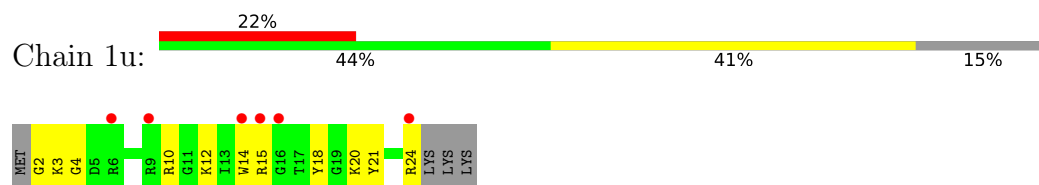
- Molecule 51: 30S ribosomal protein S20



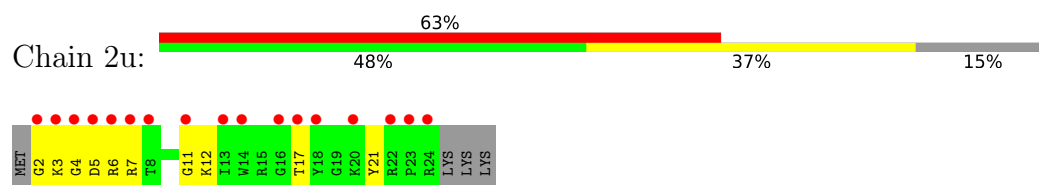
- Molecule 51: 30S ribosomal protein S20



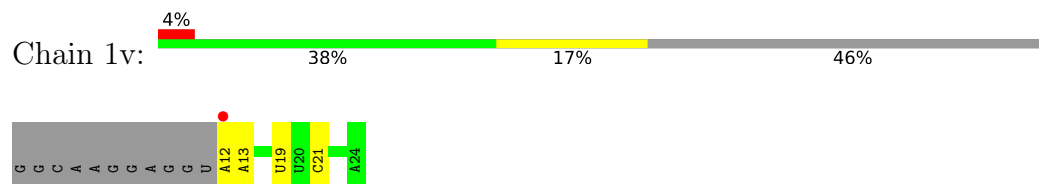
- Molecule 52: 30S ribosomal protein Thx



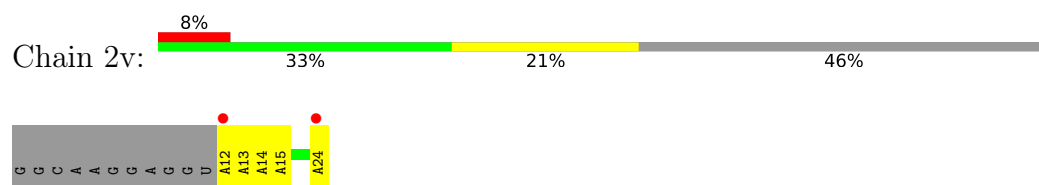
- Molecule 52: 30S ribosomal protein Thx



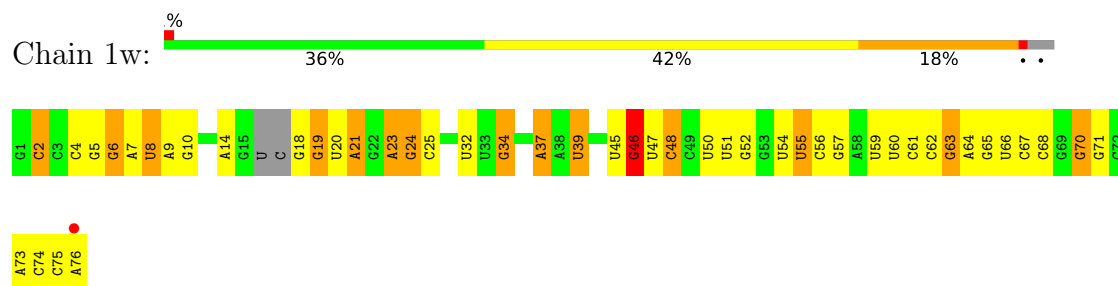
- Molecule 53: mRNA



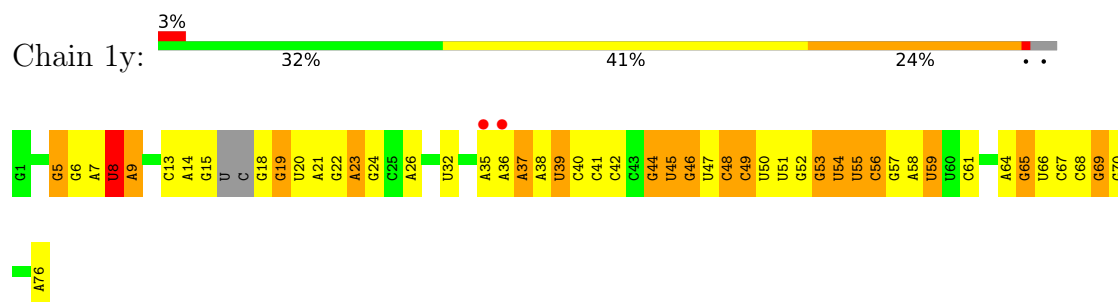
- Molecule 53: mRNA



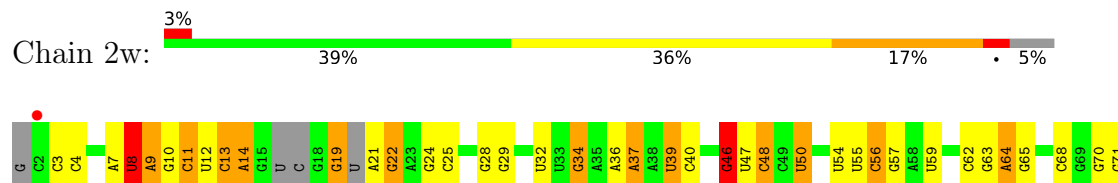
- Molecule 54: A-site and E-site tRNAs



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

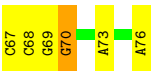
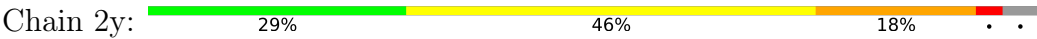


- Molecule 54: A-site and E-site tRNAs

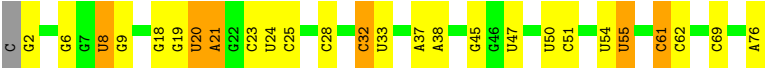




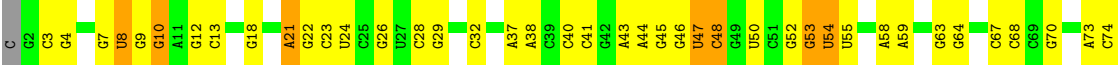
● Molecule 54: A-site and E-site tRNAs



● Molecule 55: P-site tRNA



● Molecule 55: P-site tRNA



4 Data and refinement statistics

Property	Value	Source
Space group	P 21 21 21	Depositor
Cell constants a, b, c, α , β , γ	210.15Å 446.82Å 620.28Å 90.00° 90.00° 90.00°	Depositor
Resolution (Å)	151.75 – 2.95 151.75 – 2.95	Depositor EDS
% Data completeness (in resolution range)	98.7 (151.75-2.95) 98.6 (151.75-2.95)	Depositor EDS
R_{merge}	0.28	Depositor
R_{sym}	(Not available)	Depositor
$\langle I/\sigma(I) \rangle$ ¹	1.07 (at 2.96Å)	Xtriage
Refinement program	PHENIX 1.14_3260	Depositor
R, R_{free}	0.223 , 0.272 0.223 , 0.270	Depositor DCC
R_{free} test set	60042 reflections (4.94%)	wwPDB-VP
Wilson B-factor (Å ²)	71.7	Xtriage
Anisotropy	0.272	Xtriage
Bulk solvent k_{sol} (e/Å ³), B_{sol} (Å ²)	0.27 , 47.9	EDS
L-test for twinning ²	$\langle L \rangle = 0.42$, $\langle L^2 \rangle = 0.24$	Xtriage
Estimated twinning fraction	No twinning to report.	Xtriage
F_o, F_c correlation	0.93	EDS
Total number of atoms	297993	wwPDB-VP
Average B, all atoms (Å ²)	73.0	wwPDB-VP

Xtriage's analysis on translational NCS is as follows: *The largest off-origin peak in the Patterson function is 1.63% 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: 4SU, UR3, SF4, 2MA, PSU, MG, 0TD, AKN, ZN, 2MG, 5MU, MIA, MA6, OMG, M2G, 4OC, 7MG, 2MU, 5MC

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	0.29	0/69006	0.47	1/107704 (0.0%)
1	2A	0.23	0/67293	0.42	1/105034 (0.0%)
2	1B	0.24	0/2882	0.43	0/4494
2	2B	0.22	0/2879	0.41	0/4487
3	1D	0.30	0/2186	0.55	0/2944
3	2D	0.27	0/2186	0.58	1/2944 (0.0%)
4	1E	0.27	0/1592	0.53	0/2149
4	2E	0.24	0/1592	0.47	0/2149
5	1F	0.28	0/1619	0.50	0/2193
5	2F	0.24	0/1615	0.51	2/2188 (0.1%)
6	1G	0.23	0/1448	0.51	1/1957 (0.1%)
6	2G	0.27	0/1453	0.55	0/1963
7	1H	0.25	0/1356	0.45	0/1834
7	2H	0.20	0/1356	0.42	0/1834
8	1I	0.21	0/1112	0.43	0/1514
8	2I	0.19	0/1079	0.46	0/1475
9	1N	0.25	0/1144	0.48	0/1543
9	2N	0.21	0/1144	0.44	0/1543
10	1O	0.28	0/943	0.47	0/1269
10	2O	0.21	0/943	0.50	0/1269
11	1P	0.27	0/1152	0.50	0/1533
11	2P	0.24	0/1152	0.58	4/1533 (0.3%)
12	1Q	0.28	0/1143	0.49	0/1527
12	2Q	0.24	0/1143	0.45	0/1527
13	1R	0.28	0/982	0.52	0/1312
13	2R	0.22	0/982	0.49	0/1312
14	1S	0.25	0/883	0.50	0/1176
14	2S	0.23	0/880	0.46	0/1172
15	1T	0.25	0/1105	0.50	0/1477
15	2T	0.22	0/1097	0.49	0/1468
16	1U	0.29	0/977	0.50	0/1301

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	# Z >5	RMSZ	# Z >5
16	2U	0.21	0/977	0.43	0/1301
17	1V	0.26	0/782	0.51	0/1049
17	2V	0.20	0/782	0.43	0/1049
18	1W	0.29	0/897	0.50	0/1205
18	2W	0.22	0/897	0.43	0/1205
19	1X	0.27	0/764	0.51	2/1025 (0.2%)
19	2X	0.27	0/764	0.49	0/1025
20	1Y	0.25	0/819	0.50	0/1095
20	2Y	0.20	0/819	0.42	0/1095
21	1Z	0.25	0/1267	0.54	1/1717 (0.1%)
21	2Z	0.23	0/1299	0.50	1/1763 (0.1%)
22	10	0.31	0/662	0.57	0/881
22	20	0.27	0/662	0.57	2/881 (0.2%)
23	11	0.27	0/762	0.46	0/1014
23	21	0.23	0/762	0.43	0/1014
24	12	0.27	0/590	0.48	0/781
24	22	0.20	0/590	0.39	0/781
25	13	0.27	0/474	0.50	0/635
25	23	0.21	0/469	0.46	0/630
26	14	0.29	0/565	0.67	0/761
26	24	0.26	0/545	0.67	0/737
27	15	0.32	0/469	0.55	0/635
27	25	0.23	0/469	0.48	0/635
28	16	0.31	0/460	0.54	0/613
28	26	0.23	0/456	0.46	0/608
29	17	0.30	0/426	0.50	0/561
29	27	0.27	0/426	0.59	0/561
30	18	0.30	0/525	0.50	0/691
30	28	0.24	0/525	0.46	0/691
31	19	0.29	0/310	0.51	0/407
31	29	0.20	0/310	0.47	0/407
32	1a	0.22	0/35795	0.41	1/55864 (0.0%)
32	2a	0.21	0/35886	0.40	2/56005 (0.0%)
33	1b	0.23	0/1881	0.52	0/2542
33	2b	0.22	0/1860	0.49	0/2518
34	1c	0.22	0/1572	0.44	0/2126
34	2c	0.24	0/1566	0.49	1/2119 (0.0%)
35	1d	0.23	0/1685	0.48	0/2262
35	2d	0.21	0/1704	0.44	0/2284
36	1e	0.23	0/1145	0.54	2/1543 (0.1%)
36	2e	0.22	0/1149	0.55	0/1548
37	1f	0.21	0/823	0.43	0/1115
37	2f	0.20	0/829	0.40	0/1123

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	# Z >5	RMSZ	# Z >5
38	1g	0.21	0/1250	0.40	0/1679
38	2g	0.20	0/1254	0.45	0/1683
39	1h	0.21	0/1108	0.45	0/1494
39	2h	0.19	0/1108	0.43	0/1494
40	1i	0.23	0/1002	0.51	0/1346
40	2i	0.22	0/997	0.52	0/1343
41	1j	0.20	0/722	0.42	0/982
41	2j	0.23	0/727	0.52	0/988
42	1k	0.20	0/844	0.43	0/1145
42	2k	0.19	0/848	0.43	0/1149
43	1l	0.24	0/937	0.46	0/1260
43	2l	0.29	0/937	0.58	0/1260
44	1m	0.29	0/969	0.52	0/1302
44	2m	0.23	0/961	0.51	0/1291
45	1n	0.21	0/501	0.49	0/664
45	2n	0.23	0/501	0.48	0/664
46	1o	0.22	0/739	0.41	0/985
46	2o	0.21	0/739	0.45	0/985
47	1p	0.20	0/697	0.47	0/939
47	2p	0.22	0/693	0.49	0/935
48	1q	0.21	0/836	0.44	0/1117
48	2q	0.21	0/836	0.46	0/1117
49	1r	0.22	0/560	0.44	0/746
49	2r	0.19	0/560	0.39	0/746
50	1s	0.24	0/667	0.52	0/900
50	2s	0.26	0/661	0.59	0/893
51	1t	0.26	0/730	0.54	0/965
51	2t	0.21	0/729	0.47	0/965
52	1u	0.19	0/203	0.46	0/266
52	2u	0.27	0/203	0.52	0/266
53	1v	0.25	0/310	0.38	0/480
53	2v	0.20	0/310	0.32	0/480
54	1w	0.27	0/1606	0.45	0/2497
54	1y	0.29	1/1606 (0.1%)	0.44	0/2497
54	2w	0.28	1/1556 (0.1%)	0.43	0/2418
54	2y	0.31	0/1583	0.48	0/2459
55	1x	0.29	0/1725	0.44	0/2689
55	2x	0.26	1/1725 (0.1%)	0.43	0/2689
All	All	0.25	3/316683 (0.0%)	0.45	22/474105 (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
21	1Z	0	1
50	2s	0	1
All	All	0	2

All (3) bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
55	2x	8	4SU	O3'-P	5.47	1.61	1.56
54	1y	8	4SU	O3'-P	5.37	1.61	1.56
54	2w	8	4SU	O3'-P	5.18	1.61	1.56

The worst 5 of 22 bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
34	2c	155	GLY	N-CA-C	8.62	123.18	110.60
21	1Z	52	SER	CB-CA-C	-7.57	106.78	115.79
21	2Z	63	ASP	N-CA-C	-6.67	105.03	112.57
3	2D	98	VAL	N-CA-C	-6.56	102.85	112.04
6	1G	52	ILE	N-CA-C	-6.31	105.55	112.80

There are no chirality outliers.

All (2) planarity outliers are listed below:

Mol	Chain	Res	Type	Group
21	1Z	136	PHE	Peptide
50	2s	27	GLU	Peptide

5.2 Too-close contacts

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

Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
1	1A	61851	0	31187	738	0
1	2A	60322	0	30423	850	0
2	1B	2577	0	1305	35	0
2	2B	2575	0	1303	68	0
3	1D	2136	0	2218	71	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
3	2D	2136	0	2218	60	0
4	1E	1559	0	1618	57	0
4	2E	1559	0	1618	54	0
5	1F	1584	0	1625	43	0
5	2F	1580	0	1618	55	0
6	1G	1423	0	1436	37	0
6	2G	1428	0	1438	62	0
7	1H	1330	0	1407	41	0
7	2H	1330	0	1407	36	0
8	1I	1097	0	1140	29	0
8	2I	1064	0	1082	35	0
9	1N	1117	0	1184	20	0
9	2N	1117	0	1184	24	0
10	1O	933	0	996	25	0
10	2O	933	0	996	32	0
11	1P	1135	0	1212	41	0
11	2P	1135	0	1212	45	0
12	1Q	1122	0	1178	29	0
12	2Q	1122	0	1179	44	0
13	1R	968	0	1033	23	0
13	2R	968	0	1033	32	0
14	1S	873	0	927	20	0
14	2S	870	0	923	39	0
15	1T	1091	0	1151	31	0
15	2T	1083	0	1136	31	0
16	1U	959	0	1019	25	0
16	2U	959	0	1019	24	0
17	1V	771	0	830	13	0
17	2V	771	0	830	19	0
18	1W	886	0	940	26	0
18	2W	886	0	940	19	0
19	1X	750	0	814	20	0
19	2X	750	0	814	22	0
20	1Y	806	0	881	18	0
20	2Y	806	0	881	14	0
21	1Z	1240	0	1240	47	0
21	2Z	1271	0	1273	62	0
22	10	653	0	674	22	0
22	20	653	0	674	22	0
23	11	755	0	826	19	0
23	21	755	0	826	29	0
24	12	588	0	643	17	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
24	22	588	0	643	19	0
25	13	469	0	518	11	0
25	23	464	0	514	8	0
26	14	552	0	533	20	0
26	24	532	0	503	28	0
27	15	455	0	465	15	0
27	25	455	0	465	11	0
28	16	453	0	473	13	0
28	26	449	0	469	14	0
29	17	418	0	467	21	0
29	27	418	0	467	13	0
30	18	517	0	582	24	0
30	28	517	0	582	20	0
31	19	307	0	335	6	0
31	29	307	0	335	14	0
32	1a	32246	0	16295	481	0
32	2a	32327	0	16337	642	0
33	1b	1846	0	1867	69	0
33	2b	1825	0	1828	74	0
34	1c	1548	0	1535	42	0
34	2c	1542	0	1517	56	0
35	1d	1655	0	1672	55	0
35	2d	1674	0	1714	46	0
36	1e	1129	0	1185	32	0
36	2e	1133	0	1191	42	0
37	1f	810	0	804	15	0
37	2f	816	0	808	21	0
38	1g	1231	0	1238	36	0
38	2g	1235	0	1249	45	0
39	1h	1088	0	1126	38	0
39	2h	1088	0	1126	30	0
40	1i	983	0	986	38	0
40	2i	978	0	966	38	0
41	1j	709	0	650	20	0
41	2j	714	0	672	32	0
42	1k	829	0	825	12	0
42	2k	833	0	836	21	0
43	1l	932	0	981	17	0
43	2l	932	0	981	27	0
44	1m	958	0	1002	21	0
44	2m	950	0	988	55	0
45	1n	492	0	529	21	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
45	2n	492	0	529	36	0
46	1o	728	0	760	17	0
46	2o	728	0	760	18	0
47	1p	681	0	697	27	0
47	2p	677	0	686	25	0
48	1q	823	0	891	28	0
48	2q	823	0	891	26	0
49	1r	555	0	618	21	0
49	2r	555	0	618	16	0
50	1s	652	0	662	21	0
50	2s	646	0	644	42	0
51	1t	728	0	798	20	0
51	2t	727	0	796	15	0
52	1u	199	0	208	9	0
52	2u	199	0	208	10	0
53	1v	277	0	140	2	0
53	2v	277	0	140	3	0
54	1w	1592	0	819	36	0
54	1y	1585	0	804	40	0
54	2w	1544	0	788	32	0
54	2y	1565	0	795	47	0
55	1x	1625	0	829	13	0
55	2x	1625	0	829	24	0
56	10	2	0	0	0	0
56	12	1	0	0	0	0
56	13	1	0	0	0	0
56	15	3	0	0	0	0
56	17	3	0	0	0	0
56	18	3	0	0	0	0
56	19	3	0	0	0	0
56	1A	935	0	0	0	0
56	1B	32	0	0	0	0
56	1D	6	0	0	0	0
56	1E	3	0	0	0	0
56	1F	6	0	0	0	0
56	1G	2	0	0	0	0
56	1N	5	0	0	0	0
56	1O	1	0	0	0	0
56	1P	3	0	0	0	0
56	1Q	3	0	0	0	0
56	1R	3	0	0	0	0
56	1T	1	0	0	0	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
56	1U	1	0	0	0	0
56	1V	3	0	0	0	0
56	1W	4	0	0	0	0
56	1X	1	0	0	0	0
56	1a	312	0	0	0	0
56	1b	1	0	0	0	0
56	1d	2	0	0	0	0
56	1e	5	0	0	0	0
56	1f	3	0	0	0	0
56	1k	1	0	0	0	0
56	1l	4	0	0	0	0
56	1m	2	0	0	0	0
56	1o	2	0	0	0	0
56	1p	3	0	0	0	0
56	1q	1	0	0	0	0
56	1r	1	0	0	0	0
56	1v	1	0	0	0	0
56	1w	2	0	0	0	0
56	1x	16	0	0	0	0
56	1y	1	0	0	0	0
56	20	1	0	0	0	0
56	21	1	0	0	0	0
56	25	1	0	0	0	0
56	28	1	0	0	0	0
56	2A	575	0	0	0	0
56	2B	15	0	0	0	0
56	2D	6	0	0	0	0
56	2E	3	0	0	0	0
56	2F	4	0	0	0	0
56	2G	1	0	0	0	0
56	2O	1	0	0	0	0
56	2P	1	0	0	0	0
56	2Q	3	0	0	0	0
56	2R	1	0	0	0	0
56	2T	1	0	0	0	0
56	2W	2	0	0	0	0
56	2Y	1	0	0	0	0
56	2a	310	0	0	0	0
56	2b	1	0	0	0	0
56	2d	1	0	0	0	0
56	2e	1	0	0	0	0
56	2g	2	0	0	0	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
56	2m	1	0	0	0	0
56	2q	1	0	0	0	0
56	2t	2	0	0	0	0
56	2v	3	0	0	0	0
56	2w	2	0	0	0	0
56	2x	9	0	0	0	0
57	1A	80	0	86	6	0
57	1O	40	0	43	1	0
57	1a	80	0	86	7	0
57	2A	40	0	43	4	0
57	2O	40	0	43	1	0
57	2a	40	0	43	3	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	2	0
59	2d	8	0	0	1	0
60	10	2	0	0	1	0
60	11	2	0	0	0	0
60	12	4	0	0	0	0
60	13	1	0	0	0	0
60	14	1	0	0	1	0
60	15	2	0	0	0	0
60	16	4	0	0	1	0
60	17	2	0	0	0	0
60	18	5	0	0	0	0
60	19	2	0	0	0	0
60	1A	1124	0	0	54	0
60	1B	13	0	0	0	0
60	1D	17	0	0	0	0
60	1E	10	0	0	2	0
60	1F	10	0	0	0	0
60	1G	2	0	0	0	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
60	1H	4	0	0	3	0
60	1N	2	0	0	0	0
60	1O	4	0	0	0	0
60	1P	8	0	0	2	0
60	1Q	3	0	0	0	0
60	1R	8	0	0	1	0
60	1S	2	0	0	0	0
60	1T	6	0	0	4	0
60	1U	3	0	0	0	0
60	1V	3	0	0	0	0
60	1W	8	0	0	2	0
60	1X	4	0	0	0	0
60	1Y	2	0	0	1	0
60	1Z	2	0	0	0	0
60	1a	298	0	0	13	0
60	1d	2	0	0	0	0
60	1e	2	0	0	0	0
60	1f	3	0	0	0	0
60	1h	1	0	0	1	0
60	1i	2	0	0	0	0
60	1k	1	0	0	0	0
60	1l	3	0	0	0	0
60	1n	1	0	0	0	0
60	1o	1	0	0	0	0
60	1p	2	0	0	1	0
60	1s	1	0	0	0	0
60	1w	3	0	0	0	0
60	1x	14	0	0	0	0
60	1y	2	0	0	0	0
60	20	3	0	0	0	0
60	21	3	0	0	0	0
60	25	1	0	0	0	0
60	27	2	0	0	0	0
60	28	1	0	0	0	0
60	29	1	0	0	0	0
60	2A	367	0	0	27	0
60	2B	22	0	0	3	0
60	2D	7	0	0	2	0
60	2E	4	0	0	1	0
60	2F	3	0	0	0	0
60	2O	2	0	0	0	0
60	2P	5	0	0	0	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
60	2U	1	0	0	0	0
60	2W	2	0	0	0	0
60	2X	1	0	0	0	0
60	2Y	1	0	0	0	0
60	2a	273	0	0	25	0
60	2d	3	0	0	0	0
60	2e	2	0	0	0	0
60	2h	1	0	0	0	0
60	2i	2	0	0	0	0
60	2l	2	0	0	0	0
60	2m	1	0	0	0	0
60	2n	1	0	0	1	0
60	2o	2	0	0	0	0
60	2p	1	0	0	0	0
60	2q	1	0	0	0	0
60	2s	1	0	0	1	0
60	2t	6	0	0	0	0
60	2v	1	0	0	0	0
60	2w	1	0	0	0	0
60	2x	8	0	0	0	0
All	All	297993	0	197024	5143	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 11.

The worst 5 of 5143 close contacts within the same asymmetric unit are listed below, sorted by their clash magnitude.

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:1A:1128:U:H3	1:1A:1132:A:N6	1.41	1.18
1:2A:2138:C:N4	1:2A:2153:G:H1	1.48	1.10
1:1A:1128:U:O4	1:1A:1132:A:N1	1.87	1.07
33:1b:16:HIS:HB2	33:1b:204:ASN:HB3	1.40	1.03
1:2A:2136:C:N4	1:2A:2155:G:H1	1.58	1.01

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%)	247 (90%)	24 (9%)	2 (1%)	18	40
3	2D	273/276 (99%)	250 (92%)	22 (8%)	1 (0%)	30	54
4	1E	202/206 (98%)	186 (92%)	14 (7%)	2 (1%)	12	31
4	2E	202/206 (98%)	187 (93%)	13 (6%)	2 (1%)	12	31
5	1F	201/210 (96%)	195 (97%)	5 (2%)	1 (0%)	24	49
5	2F	201/210 (96%)	187 (93%)	11 (6%)	3 (2%)	8	23
6	1G	179/182 (98%)	165 (92%)	9 (5%)	5 (3%)	4	10
6	2G	179/182 (98%)	154 (86%)	22 (12%)	3 (2%)	7	20
7	1H	172/180 (96%)	158 (92%)	12 (7%)	2 (1%)	10	27
7	2H	172/180 (96%)	153 (89%)	17 (10%)	2 (1%)	10	27
8	1I	144/148 (97%)	130 (90%)	14 (10%)	0	100	100
8	2I	144/148 (97%)	118 (82%)	23 (16%)	3 (2%)	5	15
9	1N	138/140 (99%)	130 (94%)	7 (5%)	1 (1%)	18	40
9	2N	138/140 (99%)	131 (95%)	7 (5%)	0	100	100
10	1O	120/122 (98%)	114 (95%)	6 (5%)	0	100	100
10	2O	120/122 (98%)	109 (91%)	11 (9%)	0	100	100
11	1P	147/150 (98%)	136 (92%)	10 (7%)	1 (1%)	18	40
11	2P	147/150 (98%)	128 (87%)	16 (11%)	3 (2%)	6	17
12	1Q	139/141 (99%)	126 (91%)	12 (9%)	1 (1%)	18	40
12	2Q	139/141 (99%)	129 (93%)	8 (6%)	2 (1%)	9	24
13	1R	116/118 (98%)	108 (93%)	6 (5%)	2 (2%)	7	20
13	2R	116/118 (98%)	101 (87%)	14 (12%)	1 (1%)	14	34
14	1S	108/112 (96%)	97 (90%)	10 (9%)	1 (1%)	14	34
14	2S	108/112 (96%)	95 (88%)	11 (10%)	2 (2%)	6	17
15	1T	129/146 (88%)	121 (94%)	8 (6%)	0	100	100

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
15	2T	129/146 (88%)	117 (91%)	12 (9%)	0	100	100
16	1U	114/118 (97%)	112 (98%)	2 (2%)	0	100	100
16	2U	114/118 (97%)	109 (96%)	3 (3%)	2 (2%)	6	19
17	1V	99/101 (98%)	91 (92%)	7 (7%)	1 (1%)	12	31
17	2V	99/101 (98%)	94 (95%)	4 (4%)	1 (1%)	12	31
18	1W	110/113 (97%)	108 (98%)	2 (2%)	0	100	100
18	2W	110/113 (97%)	105 (96%)	5 (4%)	0	100	100
19	1X	93/96 (97%)	87 (94%)	6 (6%)	0	100	100
19	2X	93/96 (97%)	82 (88%)	10 (11%)	1 (1%)	11	29
20	1Y	105/110 (96%)	93 (89%)	9 (9%)	3 (3%)	3	9
20	2Y	105/110 (96%)	93 (89%)	11 (10%)	1 (1%)	12	31
21	1Z	148/206 (72%)	131 (88%)	14 (10%)	3 (2%)	6	17
21	2Z	156/206 (76%)	124 (80%)	30 (19%)	2 (1%)	9	25
22	10	81/85 (95%)	74 (91%)	7 (9%)	0	100	100
22	20	81/85 (95%)	71 (88%)	7 (9%)	3 (4%)	2	6
23	11	95/98 (97%)	87 (92%)	8 (8%)	0	100	100
23	21	95/98 (97%)	90 (95%)	4 (4%)	1 (1%)	11	29
24	12	68/72 (94%)	67 (98%)	1 (2%)	0	100	100
24	22	68/72 (94%)	62 (91%)	6 (9%)	0	100	100
25	13	57/60 (95%)	53 (93%)	4 (7%)	0	100	100
25	23	57/60 (95%)	53 (93%)	3 (5%)	1 (2%)	6	19
26	14	67/71 (94%)	52 (78%)	7 (10%)	8 (12%)	0	0
26	24	67/71 (94%)	50 (75%)	11 (16%)	6 (9%)	0	1
27	15	57/60 (95%)	54 (95%)	3 (5%)	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%)	46 (90%)	5 (10%)	0	100	100
29	17	46/49 (94%)	44 (96%)	2 (4%)	0	100	100
29	27	46/49 (94%)	40 (87%)	5 (11%)	1 (2%)	5	15
30	18	62/65 (95%)	55 (89%)	7 (11%)	0	100	100
30	28	62/65 (95%)	57 (92%)	4 (6%)	1 (2%)	7	21

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
31	19	35/37 (95%)	34 (97%)	1 (3%)	0	100	100
31	29	35/37 (95%)	35 (100%)	0	0	100	100
33	1b	229/256 (90%)	194 (85%)	29 (13%)	6 (3%)	4	12
33	2b	229/256 (90%)	194 (85%)	28 (12%)	7 (3%)	3	8
34	1c	204/239 (85%)	177 (87%)	25 (12%)	2 (1%)	12	31
34	2c	204/239 (85%)	168 (82%)	31 (15%)	5 (2%)	4	12
35	1d	206/209 (99%)	188 (91%)	13 (6%)	5 (2%)	4	13
35	2d	206/209 (99%)	190 (92%)	15 (7%)	1 (0%)	24	49
36	1e	146/162 (90%)	126 (86%)	19 (13%)	1 (1%)	18	40
36	2e	146/162 (90%)	131 (90%)	12 (8%)	3 (2%)	5	15
37	1f	98/101 (97%)	90 (92%)	7 (7%)	1 (1%)	12	31
37	2f	98/101 (97%)	93 (95%)	5 (5%)	0	100	100
38	1g	153/156 (98%)	140 (92%)	12 (8%)	1 (1%)	18	40
38	2g	153/156 (98%)	137 (90%)	11 (7%)	5 (3%)	3	7
39	1h	135/138 (98%)	126 (93%)	8 (6%)	1 (1%)	18	40
39	2h	135/138 (98%)	125 (93%)	9 (7%)	1 (1%)	18	40
40	1i	125/128 (98%)	106 (85%)	19 (15%)	0	100	100
40	2i	125/128 (98%)	109 (87%)	15 (12%)	1 (1%)	16	36
41	1j	95/105 (90%)	83 (87%)	6 (6%)	6 (6%)	1	2
41	2j	94/105 (90%)	76 (81%)	10 (11%)	8 (8%)	0	1
42	1k	112/129 (87%)	104 (93%)	7 (6%)	1 (1%)	14	34
42	2k	112/129 (87%)	97 (87%)	11 (10%)	4 (4%)	2	6
43	1l	119/132 (90%)	109 (92%)	10 (8%)	0	100	100
43	2l	119/132 (90%)	95 (80%)	24 (20%)	0	100	100
44	1m	121/126 (96%)	106 (88%)	15 (12%)	0	100	100
44	2m	120/126 (95%)	101 (84%)	17 (14%)	2 (2%)	7	20
45	1n	58/61 (95%)	52 (90%)	6 (10%)	0	100	100
45	2n	58/61 (95%)	50 (86%)	8 (14%)	0	100	100
46	1o	86/89 (97%)	76 (88%)	9 (10%)	1 (1%)	10	27
46	2o	86/89 (97%)	74 (86%)	11 (13%)	1 (1%)	10	27
47	1p	80/88 (91%)	72 (90%)	7 (9%)	1 (1%)	9	25

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
47	2p	80/88 (91%)	71 (89%)	8 (10%)	1 (1%)	9	25
48	1q	97/105 (92%)	91 (94%)	5 (5%)	1 (1%)	12	31
48	2q	97/105 (92%)	84 (87%)	12 (12%)	1 (1%)	12	31
49	1r	66/88 (75%)	60 (91%)	6 (9%)	0	100	100
49	2r	66/88 (75%)	60 (91%)	6 (9%)	0	100	100
50	1s	81/93 (87%)	69 (85%)	10 (12%)	2 (2%)	4	12
50	2s	81/93 (87%)	67 (83%)	10 (12%)	4 (5%)	1	3
51	1t	94/106 (89%)	81 (86%)	9 (10%)	4 (4%)	2	4
51	2t	94/106 (89%)	83 (88%)	7 (7%)	4 (4%)	2	4
52	1u	21/27 (78%)	20 (95%)	1 (5%)	0	100	100
52	2u	21/27 (78%)	17 (81%)	3 (14%)	1 (5%)	2	3
All	All	11370/12128 (94%)	10221 (90%)	992 (9%)	157 (1%)	9	24

5 of 157 Ramachandran outliers are listed below:

Mol	Chain	Res	Type
5	1F	130	ALA
12	1Q	16	ARG
26	14	45	GLY
26	14	53	GLU
33	1b	10	LEU

5.3.2 Protein sidechains ⓘ

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

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

Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
3	1D	215/218 (99%)	197 (92%)	18 (8%)	10	25
3	2D	215/218 (99%)	191 (89%)	24 (11%)	6	16
4	1E	164/166 (99%)	139 (85%)	25 (15%)	3	8
4	2E	164/166 (99%)	148 (90%)	16 (10%)	7	20
5	1F	160/166 (96%)	144 (90%)	16 (10%)	7	19

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
5	2F	159/166 (96%)	145 (91%)	14 (9%)	9	23
6	1G	143/156 (92%)	124 (87%)	19 (13%)	4	11
6	2G	143/156 (92%)	118 (82%)	25 (18%)	2	4
7	1H	144/148 (97%)	128 (89%)	16 (11%)	6	16
7	2H	144/148 (97%)	139 (96%)	5 (4%)	32	56
8	1I	113/124 (91%)	95 (84%)	18 (16%)	2	7
8	2I	105/124 (85%)	90 (86%)	15 (14%)	3	9
9	1N	118/119 (99%)	106 (90%)	12 (10%)	7	19
9	2N	118/119 (99%)	104 (88%)	14 (12%)	5	14
10	1O	100/100 (100%)	93 (93%)	7 (7%)	14	32
10	2O	100/100 (100%)	88 (88%)	12 (12%)	5	14
11	1P	115/116 (99%)	102 (89%)	13 (11%)	5	16
11	2P	115/116 (99%)	100 (87%)	15 (13%)	4	11
12	1Q	111/111 (100%)	101 (91%)	10 (9%)	9	23
12	2Q	111/111 (100%)	97 (87%)	14 (13%)	4	12
13	1R	101/101 (100%)	86 (85%)	15 (15%)	3	8
13	2R	101/101 (100%)	89 (88%)	12 (12%)	5	14
14	1S	86/88 (98%)	75 (87%)	11 (13%)	4	12
14	2S	85/88 (97%)	75 (88%)	10 (12%)	5	14
15	1T	115/127 (91%)	108 (94%)	7 (6%)	17	38
15	2T	113/127 (89%)	106 (94%)	7 (6%)	16	37
16	1U	93/94 (99%)	91 (98%)	2 (2%)	45	69
16	2U	93/94 (99%)	89 (96%)	4 (4%)	26	51
17	1V	80/82 (98%)	66 (82%)	14 (18%)	2	4
17	2V	80/82 (98%)	68 (85%)	12 (15%)	3	8
18	1W	90/92 (98%)	86 (96%)	4 (4%)	25	50
18	2W	90/92 (98%)	82 (91%)	8 (9%)	9	23
19	1X	77/78 (99%)	72 (94%)	5 (6%)	15	35
19	2X	77/78 (99%)	72 (94%)	5 (6%)	15	35
20	1Y	85/91 (93%)	74 (87%)	11 (13%)	4	12
20	2Y	85/91 (93%)	79 (93%)	6 (7%)	13	31

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
21	1Z	135/179 (75%)	117 (87%)	18 (13%)	4	11
21	2Z	137/179 (76%)	115 (84%)	22 (16%)	2	7
22	10	65/67 (97%)	64 (98%)	1 (2%)	57	75
22	20	65/67 (97%)	63 (97%)	2 (3%)	35	60
23	11	80/83 (96%)	71 (89%)	9 (11%)	5	16
23	21	80/83 (96%)	71 (89%)	9 (11%)	5	16
24	12	65/67 (97%)	61 (94%)	4 (6%)	16	37
24	22	65/67 (97%)	61 (94%)	4 (6%)	16	37
25	13	51/52 (98%)	42 (82%)	9 (18%)	2	4
25	23	50/52 (96%)	44 (88%)	6 (12%)	5	14
26	14	59/63 (94%)	50 (85%)	9 (15%)	3	8
26	24	53/63 (84%)	45 (85%)	8 (15%)	3	8
27	15	50/52 (96%)	45 (90%)	5 (10%)	7	19
27	25	50/52 (96%)	46 (92%)	4 (8%)	11	27
28	16	51/52 (98%)	46 (90%)	5 (10%)	7	20
28	26	50/52 (96%)	45 (90%)	5 (10%)	7	19
29	17	41/42 (98%)	37 (90%)	4 (10%)	7	20
29	27	41/42 (98%)	37 (90%)	4 (10%)	7	20
30	18	54/55 (98%)	52 (96%)	2 (4%)	30	55
30	28	54/55 (98%)	51 (94%)	3 (6%)	19	41
31	19	34/34 (100%)	34 (100%)	0	100	100
31	29	34/34 (100%)	33 (97%)	1 (3%)	37	62
33	1b	192/220 (87%)	173 (90%)	19 (10%)	7	19
33	2b	187/220 (85%)	161 (86%)	26 (14%)	3	9
34	1c	142/188 (76%)	128 (90%)	14 (10%)	7	19
34	2c	140/188 (74%)	128 (91%)	12 (9%)	10	24
35	1d	169/181 (93%)	157 (93%)	12 (7%)	13	31
35	2d	173/181 (96%)	158 (91%)	15 (9%)	9	24
36	1e	113/123 (92%)	101 (89%)	12 (11%)	6	18
36	2e	114/123 (93%)	106 (93%)	8 (7%)	14	32
37	1f	84/90 (93%)	79 (94%)	5 (6%)	17	38

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
37	2f	85/90 (94%)	79 (93%)	6 (7%)	13	31
38	1g	119/127 (94%)	111 (93%)	8 (7%)	15	34
38	2g	120/127 (94%)	112 (93%)	8 (7%)	15	34
39	1h	114/119 (96%)	104 (91%)	10 (9%)	9	23
39	2h	114/119 (96%)	106 (93%)	8 (7%)	14	32
40	1i	90/99 (91%)	80 (89%)	10 (11%)	6	16
40	2i	89/99 (90%)	76 (85%)	13 (15%)	3	8
41	1j	66/92 (72%)	56 (85%)	10 (15%)	3	8
41	2j	69/92 (75%)	63 (91%)	6 (9%)	9	24
42	1k	82/99 (83%)	72 (88%)	10 (12%)	5	13
42	2k	83/99 (84%)	75 (90%)	8 (10%)	8	21
43	1l	96/108 (89%)	86 (90%)	10 (10%)	7	18
43	2l	96/108 (89%)	87 (91%)	9 (9%)	8	21
44	1m	93/101 (92%)	82 (88%)	11 (12%)	5	14
44	2m	92/101 (91%)	82 (89%)	10 (11%)	6	17
45	1n	49/50 (98%)	39 (80%)	10 (20%)	1	2
45	2n	49/50 (98%)	45 (92%)	4 (8%)	10	26
46	1o	78/80 (98%)	72 (92%)	6 (8%)	12	28
46	2o	78/80 (98%)	71 (91%)	7 (9%)	9	23
47	1p	69/74 (93%)	58 (84%)	11 (16%)	2	7
47	2p	68/74 (92%)	58 (85%)	10 (15%)	3	8
48	1q	94/97 (97%)	86 (92%)	8 (8%)	10	24
48	2q	94/97 (97%)	87 (93%)	7 (7%)	13	30
49	1r	59/77 (77%)	52 (88%)	7 (12%)	5	14
49	2r	59/77 (77%)	53 (90%)	6 (10%)	7	19
50	1s	69/80 (86%)	63 (91%)	6 (9%)	9	24
50	2s	67/80 (84%)	58 (87%)	9 (13%)	4	10
51	1t	70/82 (85%)	68 (97%)	2 (3%)	37	62
51	2t	70/82 (85%)	66 (94%)	4 (6%)	18	41
52	1u	18/22 (82%)	17 (94%)	1 (6%)	19	41
52	2u	18/22 (82%)	18 (100%)	0	100	100

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles
All	All	9303/10064 (92%)	8370 (90%)	933 (10%)	7 19

5 of 933 residues with a non-rotameric sidechain are listed below:

Mol	Chain	Res	Type
50	1s	32	LYS
45	2n	22	THR
9	2N	34	LEU
44	2m	19	LEU
35	2d	83	SER

Sometimes sidechains can be flipped to improve hydrogen bonding and reduce clashes. 5 of 160 such sidechains are listed below:

Mol	Chain	Res	Type
33	2b	40	HIS
40	2i	3	GLN
33	2b	212	GLN
35	2d	125	HIS
44	2m	77	ASN

5.3.3 RNA ⓘ

Mol	Chain	Analysed	Backbone Outliers	Pucker Outliers
1	1A	2863/2915 (98%)	461 (16%)	36 (1%)
1	2A	2791/2915 (95%)	518 (18%)	26 (0%)
2	1B	120/121 (99%)	14 (11%)	1 (0%)
2	2B	118/121 (97%)	28 (23%)	0
32	1a	1497/1521 (98%)	256 (17%)	0
32	2a	1501/1521 (98%)	280 (18%)	0
53	1v	12/24 (50%)	2 (16%)	0
53	2v	12/24 (50%)	2 (16%)	0
54	1w	72/76 (94%)	21 (29%)	0
54	1y	72/76 (94%)	24 (33%)	0
54	2w	69/76 (90%)	23 (33%)	0
54	2y	70/76 (92%)	24 (34%)	0
55	1x	75/77 (97%)	12 (16%)	0
55	2x	75/77 (97%)	14 (18%)	0
All	All	9347/9620 (97%)	1679 (17%)	63 (0%)

5 of 1679 RNA backbone outliers are listed below:

Mol	Chain	Res	Type
1	1A	12	U
1	1A	15	G
1	1A	34	C
1	1A	45	C
1	1A	48	A

5 of 63 RNA pucker outliers are listed below:

Mol	Chain	Res	Type
1	1A	2205	C
1	2A	1653	G
1	1A	2769	U
1	2A	1608	A
1	2A	2126	A

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

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

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

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
55	PSU	1x	55	55	18,21,22	1.35	2 (11%)	21,30,33	2.05	4 (19%)
54	5MU	2y	54	54	19,22,23	1.49	4 (21%)	27,32,35	2.14	9 (33%)
1	2MA	1A	2515	1,56	22,25,26	1.45	3 (13%)	32,37,40	2.42	7 (21%)
32	5MC	2a	1400	32	19,22,23	1.48	3 (15%)	26,32,35	1.19	3 (11%)
1	5MC	1A	1964	1	19,22,23	1.28	2 (10%)	26,32,35	1.10	2 (7%)
32	4OC	2a	1402	32	20,23,24	0.76	0	25,32,35	1.09	2 (8%)
54	PSU	1y	32	54	18,21,22	1.41	3 (16%)	21,30,33	1.87	4 (19%)
54	5MU	2w	54	54	19,22,23	1.39	6 (31%)	27,32,35	1.86	6 (22%)
54	4SU	1w	8	54	18,21,22	1.73	4 (22%)	25,30,33	2.31	4 (16%)
54	PSU	2w	55	54	18,21,22	1.40	2 (11%)	21,30,33	2.06	3 (14%)
32	M2G	1a	966	32	24,27,28	1.32	3 (12%)	33,40,43	1.85	5 (15%)
54	4SU	2w	8	54	18,21,22	1.75	4 (22%)	25,30,33	2.47	5 (20%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
32	5MC	2a	1404	32	19,22,23	1.76	3 (15%)	26,32,35	1.26	3 (11%)
54	PSU	1w	55	54	18,21,22	1.47	2 (11%)	21,30,33	1.97	3 (14%)
32	UR3	1a	1498	32	19,22,23	1.04	1 (5%)	26,32,35	1.84	3 (11%)
1	5MC	1A	1984	1,56	19,22,23	1.52	3 (15%)	26,32,35	1.17	2 (7%)
54	5MU	1w	54	54	19,22,23	1.40	5 (26%)	27,32,35	1.79	5 (18%)
54	MIA	1w	37	54	28,31,32	2.34	7 (25%)	38,44,47	2.76	14 (36%)
32	4OC	1a	1402	32	20,23,24	0.76	0	25,32,35	1.08	2 (8%)
1	PSU	1A	1939	1	18,21,22	1.39	3 (16%)	21,30,33	1.93	3 (14%)
54	MIA	2w	37	54	24,27,32	2.13	6 (25%)	32,39,47	2.24	10 (31%)
55	PSU	2x	55	55	18,21,22	1.37	2 (11%)	21,30,33	1.98	4 (19%)
55	4SU	1x	8	55,56	18,21,22	2.17	4 (22%)	25,30,33	1.55	4 (16%)
32	UR3	2a	1498	32	19,22,23	1.01	1 (5%)	26,32,35	1.90	3 (11%)
32	5MC	1a	1404	32	19,22,23	1.55	3 (15%)	26,32,35	1.19	2 (7%)
43	0TD	1l	92	43	8,9,10	4.45	1 (12%)	6,11,13	4.93	2 (33%)
54	5MU	1y	54	54	19,22,23	1.57	6 (31%)	27,32,35	1.96	6 (22%)
32	5MC	2a	1407	32	19,22,23	1.49	3 (15%)	26,32,35	1.22	3 (11%)
32	5MC	2a	967	32	19,22,23	1.62	2 (10%)	26,32,35	1.05	1 (3%)
1	5MU	2A	1939	1,56	19,22,23	1.43	6 (31%)	27,32,35	2.14	5 (18%)
54	4SU	1y	8	54	18,21,22	1.73	4 (22%)	25,30,33	1.88	6 (24%)
1	2MU	1A	2564	1,56	19,22,24	1.19	2 (10%)	25,31,36	2.10	6 (24%)
54	7MG	1w	46	54	23,26,27	1.48	3 (13%)	27,39,42	2.48	5 (18%)
54	PSU	2w	39	54	18,21,22	1.43	3 (16%)	21,30,33	1.71	4 (19%)
54	PSU	1y	55	54	18,21,22	1.34	2 (11%)	21,30,33	2.12	5 (23%)
54	PSU	2y	39	54	18,21,22	1.37	2 (11%)	21,30,33	1.96	3 (14%)
54	PSU	2y	32	54	18,21,22	1.34	2 (11%)	21,30,33	1.94	4 (19%)
32	MA6	1a	1518	32	23,26,27	1.53	4 (17%)	33,38,41	2.32	13 (39%)
32	PSU	2a	516	32	18,21,22	1.33	2 (11%)	21,30,33	1.95	5 (23%)
43	0TD	2l	92	43	8,9,10	4.52	1 (12%)	6,11,13	3.71	3 (50%)
1	4OC	2A	1920	1	19,22,24	0.81	0	25,31,35	0.94	1 (4%)
1	PSU	2A	1917	1	18,21,22	1.39	2 (11%)	21,30,33	2.14	5 (23%)
32	2MG	1a	1207	32	23,26,27	1.26	2 (8%)	33,38,41	2.21	7 (21%)
1	PSU	2A	2605	1	18,21,22	1.42	3 (16%)	21,30,33	1.98	5 (23%)
32	5MC	1a	1400	32	19,22,23	1.56	3 (15%)	26,32,35	1.11	2 (7%)
1	PSU	1A	2617	1	18,21,22	1.40	3 (16%)	21,30,33	2.03	4 (19%)
32	7MG	1a	527	32	23,26,27	1.42	5 (21%)	27,39,42	2.51	5 (18%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
1	PSU	2A	1911	1	18,21,22	1.34	2 (11%)	21,30,33	1.87	4 (19%)
54	PSU	2w	32	54	18,21,22	1.39	3 (16%)	21,30,33	1.95	3 (14%)
1	OMG	2A	2251	1,55	23,26,27	1.23	3 (13%)	32,38,41	1.96	5 (15%)
1	OMG	1A	2263	1,56,55	23,26,27	1.28	3 (13%)	32,38,41	2.06	4 (12%)
55	4SU	2x	8	55,56	18,21,22	2.07	6 (33%)	25,30,33	1.53	5 (20%)
54	PSU	1w	32	54	18,21,22	1.37	2 (11%)	21,30,33	1.83	4 (19%)
32	MA6	2a	1518	32	23,26,27	1.60	5 (21%)	33,38,41	2.33	12 (36%)
54	MIA	1y	37	54	21,24,32	1.63	3 (14%)	30,35,47	2.01	10 (33%)
32	7MG	2a	527	32	23,26,27	1.35	3 (13%)	27,39,42	2.57	7 (25%)
1	4OC	1A	1942	1	19,22,24	0.84	0	25,31,35	0.88	0
55	5MU	2x	54	55	19,22,23	1.43	6 (31%)	27,32,35	1.86	6 (22%)
55	5MU	1x	54	55	19,22,23	1.35	5 (26%)	27,32,35	1.91	6 (22%)
54	7MG	2y	46	54	23,26,27	1.45	4 (17%)	27,39,42	2.80	7 (25%)
54	4SU	2y	8	54	18,21,22	1.87	4 (22%)	25,30,33	2.25	5 (20%)
32	M2G	2a	966	32	24,27,28	1.31	4 (16%)	33,40,43	1.88	5 (15%)
54	MIA	2y	37	54	21,24,32	1.59	3 (14%)	30,35,47	2.10	9 (30%)
54	PSU	2y	55	54	18,21,22	1.33	3 (16%)	21,30,33	1.92	5 (23%)
55	5MC	2x	32	55	19,22,23	1.65	3 (15%)	26,32,35	1.24	3 (11%)
1	2MA	2A	2503	1,56	22,25,26	1.50	5 (22%)	32,37,40	2.21	9 (28%)
1	5MU	2A	1915	1	19,22,23	1.49	6 (31%)	27,32,35	2.24	5 (18%)
32	5MC	1a	1407	32	19,22,23	1.44	3 (15%)	26,32,35	1.15	2 (7%)
32	MA6	1a	1519	32	23,26,27	1.50	4 (17%)	33,38,41	2.45	15 (45%)
1	PSU	1A	1933	1	18,21,22	1.45	3 (16%)	21,30,33	2.07	4 (19%)
54	PSU	1w	39	54	18,21,22	1.32	2 (11%)	21,30,33	2.06	4 (19%)
54	7MG	1y	46	54	23,26,27	1.35	4 (17%)	27,39,42	2.60	6 (22%)
32	2MG	2a	1207	32	23,26,27	1.24	4 (17%)	33,38,41	2.19	8 (24%)
32	PSU	1a	516	56,32	18,21,22	1.35	2 (11%)	21,30,33	1.98	4 (19%)
1	5MU	1A	1937	1	19,22,23	1.43	5 (26%)	27,32,35	2.27	5 (18%)
55	5MC	1x	32	55	19,22,23	1.73	3 (15%)	26,32,35	1.27	3 (11%)
1	5MC	2A	1942	1	19,22,23	1.77	3 (15%)	26,32,35	1.34	4 (15%)
54	7MG	2w	46	54	23,26,27	1.38	3 (13%)	27,39,42	2.51	7 (25%)
32	MA6	2a	1519	32	23,26,27	1.58	4 (17%)	33,38,41	2.37	11 (33%)
32	5MC	1a	967	32	19,22,23	1.59	2 (10%)	26,32,35	1.12	2 (7%)
1	5MU	1A	1961	1,56	19,22,23	1.33	4 (21%)	27,32,35	2.33	6 (22%)
54	PSU	1y	39	54	18,21,22	1.43	2 (11%)	21,30,33	1.87	4 (19%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
1	2MU	2A	2552	1,56	19,22,24	1.25	2 (10%)	25,31,36	2.12	6 (24%)
1	5MC	2A	1962	1,56	19,22,23	1.48	3 (15%)	26,32,35	1.23	4 (15%)

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

Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
55	PSU	1x	55	55	-	1/7/25/26	0/2/2/2
54	5MU	2y	54	54	-	2/7/25/26	0/2/2/2
1	2MA	1A	2515	1,56	-	0/7/25/26	0/3/3/3
32	5MC	2a	1400	32	-	0/7/25/26	0/2/2/2
1	5MC	1A	1964	1	-	0/7/25/26	0/2/2/2
32	4OC	2a	1402	32	-	2/9/29/30	0/2/2/2
54	PSU	1y	32	54	-	0/7/25/26	0/2/2/2
54	5MU	2w	54	54	-	0/7/25/26	0/2/2/2
54	4SU	1w	8	54	-	0/7/25/26	0/2/2/2
54	PSU	2w	55	54	-	0/7/25/26	0/2/2/2
32	M2G	1a	966	32	-	0/11/29/30	0/3/3/3
54	4SU	2w	8	54	-	0/7/25/26	0/2/2/2
32	5MC	2a	1404	32	-	2/7/25/26	0/2/2/2
54	PSU	1w	55	54	-	2/7/25/26	0/2/2/2
32	UR3	1a	1498	32	-	0/7/25/26	0/2/2/2
1	5MC	1A	1984	1,56	-	0/7/25/26	0/2/2/2
54	5MU	1w	54	54	-	0/7/25/26	0/2/2/2
54	MIA	1w	37	54	-	3/15/33/34	0/3/3/3
32	4OC	1a	1402	32	-	1/9/29/30	0/2/2/2
1	PSU	1A	1939	1	-	0/7/25/26	0/2/2/2
54	MIA	2w	37	54	-	2/11/29/34	0/3/3/3
55	PSU	2x	55	55	-	0/7/25/26	0/2/2/2
55	4SU	1x	8	55,56	-	0/7/25/26	0/2/2/2
32	UR3	2a	1498	32	-	0/7/25/26	0/2/2/2
32	5MC	1a	1404	32	-	0/7/25/26	0/2/2/2
43	0TD	1l	92	43	-	1/7/12/14	-
54	5MU	1y	54	54	-	3/7/25/26	0/2/2/2
32	5MC	2a	1407	32	-	0/7/25/26	0/2/2/2
32	5MC	2a	967	32	-	1/7/25/26	0/2/2/2
1	5MU	2A	1939	1,56	-	0/7/25/26	0/2/2/2
54	4SU	1y	8	54	-	3/7/25/26	0/2/2/2

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
1	2MU	1A	2564	1,56	-	0/9/27/28	0/2/2/2
54	7MG	1w	46	54	-	2/7/37/38	0/3/3/3
54	PSU	2w	39	54	-	0/7/25/26	0/2/2/2
54	PSU	1y	55	54	-	1/7/25/26	0/2/2/2
54	PSU	2y	39	54	-	0/7/25/26	0/2/2/2
54	PSU	2y	32	54	-	1/7/25/26	0/2/2/2
32	MA6	1a	1518	32	-	2/11/29/30	0/3/3/3
32	PSU	2a	516	32	-	0/7/25/26	0/2/2/2
43	0TD	2l	92	43	-	3/7/12/14	-
1	4OC	2A	1920	1	-	1/9/27/30	0/2/2/2
1	PSU	2A	1917	1	-	0/7/25/26	0/2/2/2
32	2MG	1a	1207	32	-	0/9/27/28	0/3/3/3
1	PSU	2A	2605	1	-	0/7/25/26	0/2/2/2
32	5MC	1a	1400	32	-	2/7/25/26	0/2/2/2
1	PSU	1A	2617	1	-	2/7/25/26	0/2/2/2
32	7MG	1a	527	32	-	3/7/37/38	0/3/3/3
1	PSU	2A	1911	1	-	0/7/25/26	0/2/2/2
54	PSU	2w	32	54	-	0/7/25/26	0/2/2/2
1	OMG	2A	2251	1,55	-	0/9/27/28	0/3/3/3
1	OMG	1A	2263	1,56,55	-	0/9/27/28	0/3/3/3
55	4SU	2x	8	55,56	-	1/7/25/26	0/2/2/2
54	PSU	1w	32	54	-	0/7/25/26	0/2/2/2
32	MA6	2a	1518	32	-	3/11/29/30	0/3/3/3
54	MIA	1y	37	54	-	1/7/25/34	0/3/3/3
32	7MG	2a	527	32	-	3/7/37/38	0/3/3/3
1	4OC	1A	1942	1	-	1/9/27/30	0/2/2/2
55	5MU	2x	54	55	-	0/7/25/26	0/2/2/2
55	5MU	1x	54	55	-	0/7/25/26	0/2/2/2
54	7MG	2y	46	54	-	3/7/37/38	0/3/3/3
54	4SU	2y	8	54	-	0/7/25/26	0/2/2/2
32	M2G	2a	966	32	-	0/11/29/30	0/3/3/3
54	MIA	2y	37	54	-	3/7/25/34	0/3/3/3
54	PSU	2y	55	54	-	2/7/25/26	0/2/2/2
55	5MC	2x	32	55	-	0/7/25/26	0/2/2/2
1	2MA	2A	2503	1,56	-	1/7/25/26	0/3/3/3
1	5MU	2A	1915	1	-	0/7/25/26	0/2/2/2
32	5MC	1a	1407	32	-	0/7/25/26	0/2/2/2
32	MA6	1a	1519	32	-	3/11/29/30	0/3/3/3
1	PSU	1A	1933	1	-	0/7/25/26	0/2/2/2

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
54	PSU	1w	39	54	-	0/7/25/26	0/2/2/2
54	7MG	1y	46	54	-	2/7/37/38	0/3/3/3
32	2MG	2a	1207	32	-	3/9/27/28	0/3/3/3
32	PSU	1a	516	56,32	-	0/7/25/26	0/2/2/2
1	5MU	1A	1937	1	-	0/7/25/26	0/2/2/2
55	5MC	1x	32	55	-	0/7/25/26	0/2/2/2
1	5MC	2A	1942	1	-	0/7/25/26	0/2/2/2
54	7MG	2w	46	54	-	3/7/37/38	0/3/3/3
32	MA6	2a	1519	32	-	4/11/29/30	0/3/3/3
32	5MC	1a	967	32	-	2/7/25/26	0/2/2/2
1	5MU	1A	1961	1,56	-	0/7/25/26	0/2/2/2
54	PSU	1y	39	54	-	0/7/25/26	0/2/2/2
1	2MU	2A	2552	1,56	-	0/9/27/28	0/2/2/2
1	5MC	2A	1962	1,56	-	1/7/25/26	0/2/2/2

The worst 5 of 263 bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
43	2l	92	0TD	CB-SB	-12.40	1.69	1.82
43	1l	92	0TD	CB-SB	-12.22	1.69	1.82
54	1w	37	MIA	C2-S10	-7.37	1.69	1.75
54	2w	37	MIA	C2-S10	-6.94	1.70	1.75
54	1w	37	MIA	C13-C14	6.73	1.52	1.32

The worst 5 of 421 bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
43	1l	92	0TD	CSB-SB-CB	11.53	123.08	102.36
54	2y	46	7MG	N9-C4-N3	10.09	140.24	125.46
54	1w	37	MIA	C12-C13-C14	-9.70	109.61	127.01
54	1y	46	7MG	N9-C4-N3	9.08	138.76	125.46
1	1A	2515	2MA	C5-C4-N3	-8.79	117.92	127.18

There are no chirality outliers.

5 of 76 torsion outliers are listed below:

Mol	Chain	Res	Type	Atoms
32	1a	1400	5MC	O4'-C4'-C5'-O5'
32	1a	1519	MA6	O4'-C4'-C5'-O5'
54	1w	37	MIA	N1-C2-S10-C11

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Mol	Chain	Res	Type	Atoms
54	1w	37	MIA	N3-C2-S10-C11
54	1w	37	MIA	C12-C13-C14-C16

There are no ring outliers.

42 monomers are involved in 69 short contacts:

Mol	Chain	Res	Type	Clashes	Symm-Clashes
32	2a	1400	5MC	1	0
32	2a	1402	4OC	3	0
54	2w	8	4SU	3	0
54	1w	55	PSU	1	0
54	1w	37	MIA	1	0
32	1a	1402	4OC	2	0
54	2w	37	MIA	1	0
55	1x	8	4SU	2	0
32	2a	1498	UR3	1	0
32	2a	967	5MC	3	0
54	1y	8	4SU	3	0
54	1w	46	7MG	1	0
54	2w	39	PSU	3	0
54	1y	55	PSU	2	0
32	1a	1518	MA6	2	0
43	2l	92	0TD	2	0
1	2A	1920	4OC	2	0
32	1a	1207	2MG	1	0
32	1a	1400	5MC	1	0
1	2A	2251	OMG	2	0
55	2x	8	4SU	1	0
32	2a	1518	MA6	4	0
54	1y	37	MIA	1	0
1	1A	1942	4OC	1	0
55	2x	54	5MU	2	0
54	2y	46	7MG	1	0
54	2y	8	4SU	1	0
32	2a	966	M2G	1	0
54	2y	37	MIA	1	0
54	2y	55	PSU	8	0
1	2A	2503	2MA	2	0
1	2A	1915	5MU	1	0
32	1a	1407	5MC	1	0
32	1a	1519	MA6	1	0
54	1w	39	PSU	1	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
1	1A	1937	5MU	1	0
54	2w	46	7MG	1	0
32	2a	1519	MA6	3	0
32	1a	967	5MC	1	0
1	1A	1961	5MU	1	0
54	1y	39	PSU	1	0
1	2A	2552	2MU	2	0

5.5 Carbohydrates [i](#)

There are no oligosaccharides in this entry.

5.6 Ligand geometry [i](#)

Of 2355 ligands modelled in this entry, 2345 are monoatomic - leaving 10 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	$\# Z > 2$
57	AKN	1A	3936	-	41,42,42	1.94	9 (21%)	55,61,61	1.27	8 (14%)
59	SF4	1d	303	35	0,12,12	-	-	-	-	-
57	AKN	2a	1911	-	41,42,42	1.99	10 (24%)	55,61,61	1.47	6 (10%)
57	AKN	1a	1914	-	41,42,42	2.12	13 (31%)	55,61,61	2.28	14 (25%)
57	AKN	1a	1913	-	41,42,42	2.07	12 (29%)	55,61,61	1.47	10 (18%)
57	AKN	1A	3937	-	41,42,42	1.90	10 (24%)	55,61,61	1.62	12 (21%)
57	AKN	2O	202	-	41,42,42	2.01	11 (26%)	55,61,61	1.44	8 (14%)
57	AKN	1O	202	-	41,42,42	2.06	11 (26%)	55,61,61	1.39	3 (5%)
59	SF4	2d	302	35	0,12,12	-	-	-	-	-
57	AKN	2A	3576	-	41,42,42	1.96	10 (24%)	55,61,61	1.12	4 (7%)

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
57	AKN	1A	3936	-	-	4/23/83/83	0/3/3/3
59	SF4	1d	303	35	-	-	0/6/5/5
57	AKN	2a	1911	-	-	3/23/83/83	0/3/3/3
57	AKN	1a	1914	-	-	19/23/83/83	0/3/3/3
57	AKN	1a	1913	-	-	4/23/83/83	0/3/3/3
57	AKN	1A	3937	-	-	7/23/83/83	0/3/3/3
57	AKN	2O	202	-	-	8/23/83/83	0/3/3/3
57	AKN	1O	202	-	-	10/23/83/83	0/3/3/3
59	SF4	2d	302	35	-	-	0/6/5/5
57	AKN	2A	3576	-	-	9/23/83/83	0/3/3/3

The worst 5 of 86 bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
57	1a	1914	AKN	C35-N12	6.30	1.47	1.34
57	1O	202	AKN	C35-N12	6.19	1.47	1.34
57	2a	1911	AKN	C35-N12	6.08	1.47	1.34
57	2O	202	AKN	C35-N12	6.07	1.47	1.34
57	2A	3576	AKN	C35-N12	5.98	1.46	1.34

The worst 5 of 65 bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
57	1a	1914	AKN	O20-C19-C17	7.45	126.16	107.23
57	1a	1914	AKN	C17-C19-C11	-7.20	98.62	111.18
57	2a	1911	AKN	C13-C11-N12	-6.15	101.38	110.78
57	1a	1914	AKN	O2-C16-C17	5.65	121.58	107.23
57	1O	202	AKN	C19-C11-N12	5.15	118.98	110.57

There are no chirality outliers.

5 of 64 torsion outliers are listed below:

Mol	Chain	Res	Type	Atoms
57	1A	3937	AKN	N12-C35-C37-O40
57	1A	3937	AKN	O40-C37-C38-C39
57	1A	3937	AKN	C37-C38-C39-N37
57	1O	202	AKN	N12-C35-C37-C38
57	1O	202	AKN	O36-C35-C37-C38

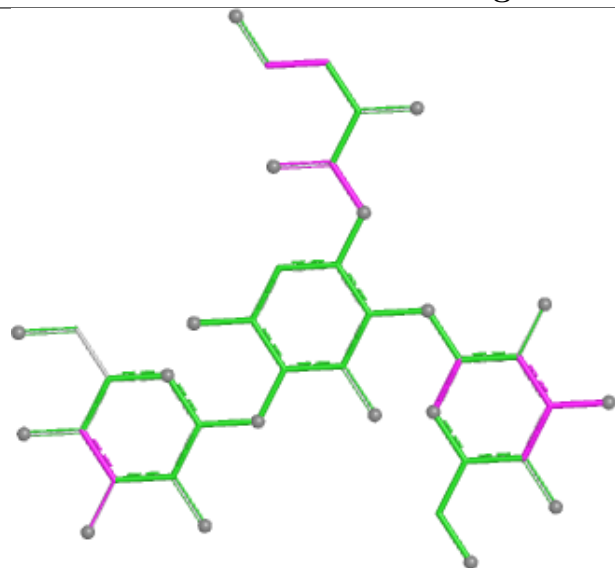
There are no ring outliers.

10 monomers are involved in 25 short contacts:

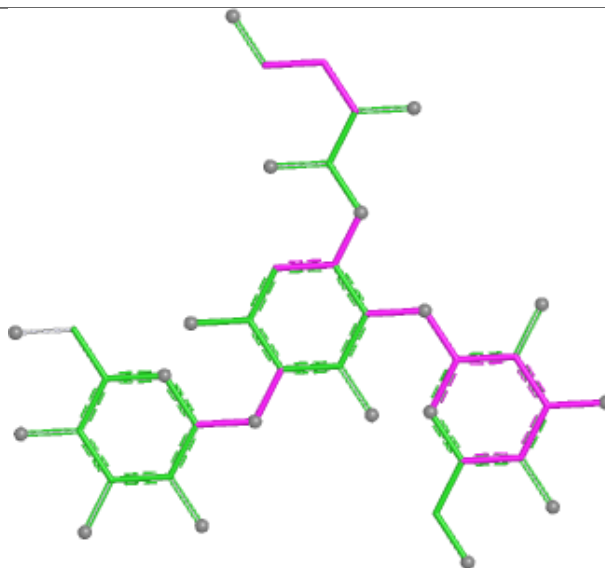
Mol	Chain	Res	Type	Clashes	Symm-Clashes
57	1A	3936	AKN	2	0
59	1d	303	SF4	2	0
57	2a	1911	AKN	3	0
57	1a	1914	AKN	4	0
57	1a	1913	AKN	3	0
57	1A	3937	AKN	4	0
57	2O	202	AKN	1	0
57	1O	202	AKN	1	0
59	2d	302	SF4	1	0
57	2A	3576	AKN	4	0

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.

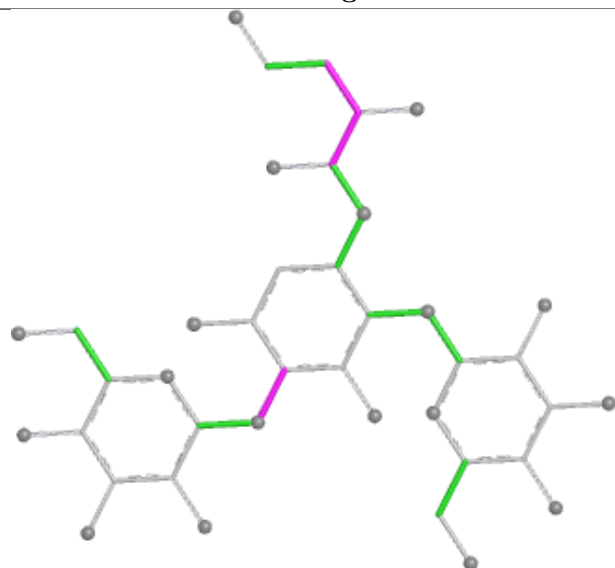
Ligand AKN 1A 3936



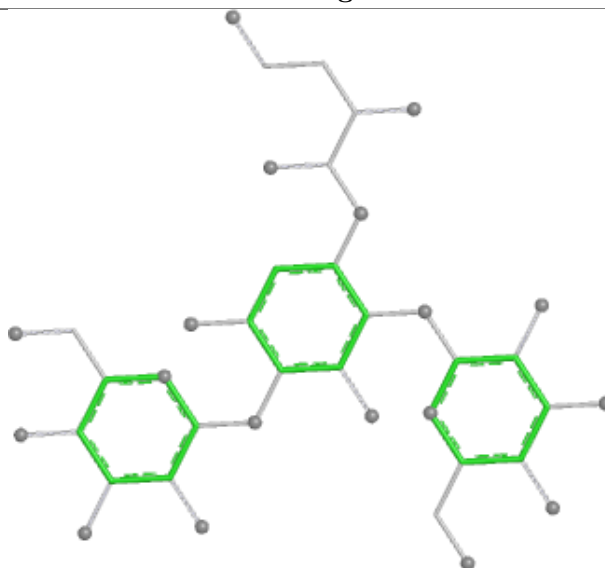
Bond lengths



Bond angles

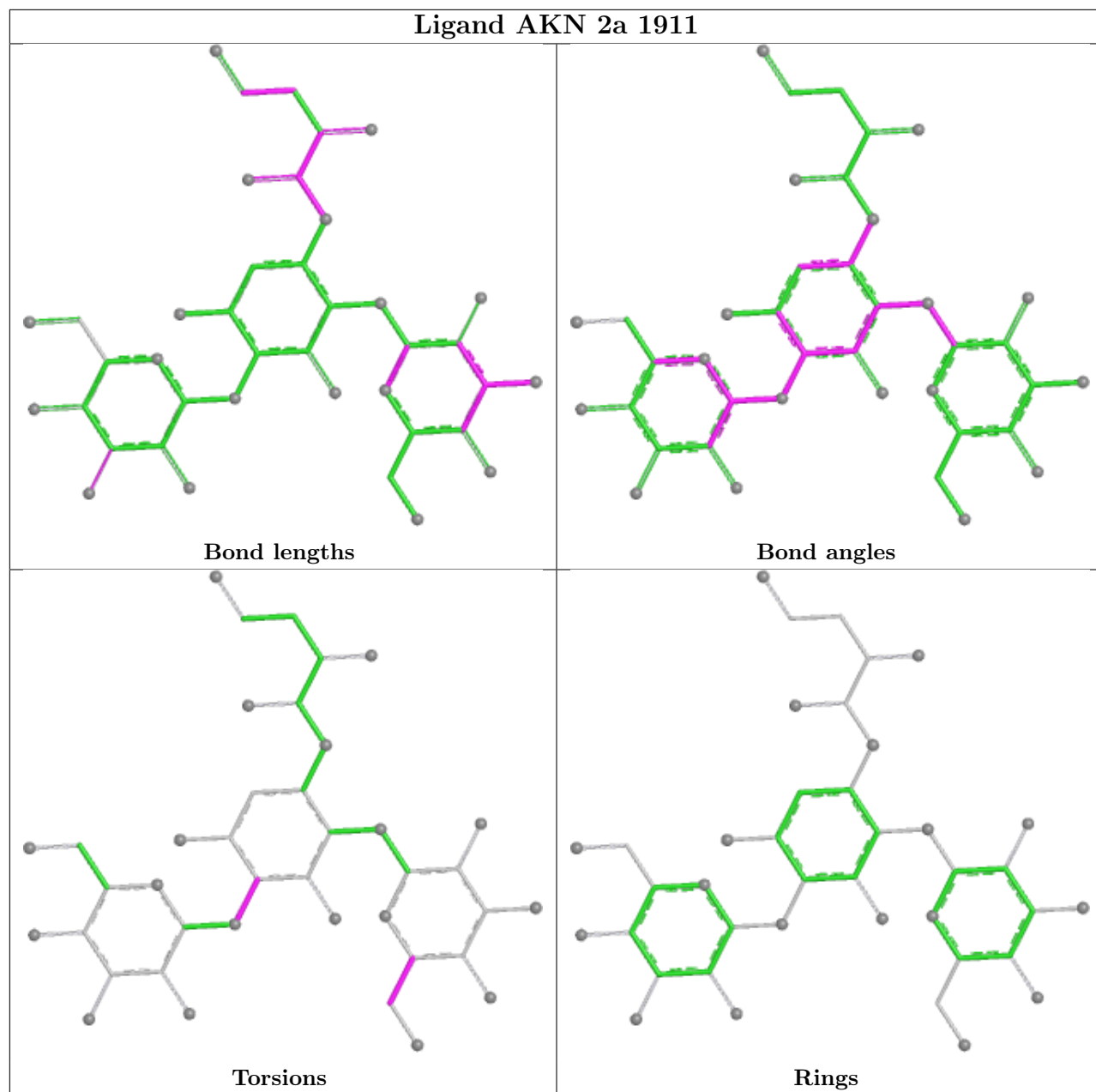


Torsions

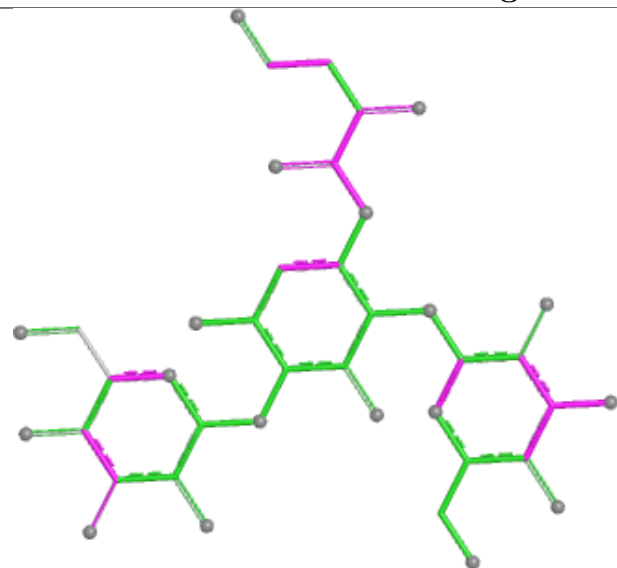


Rings

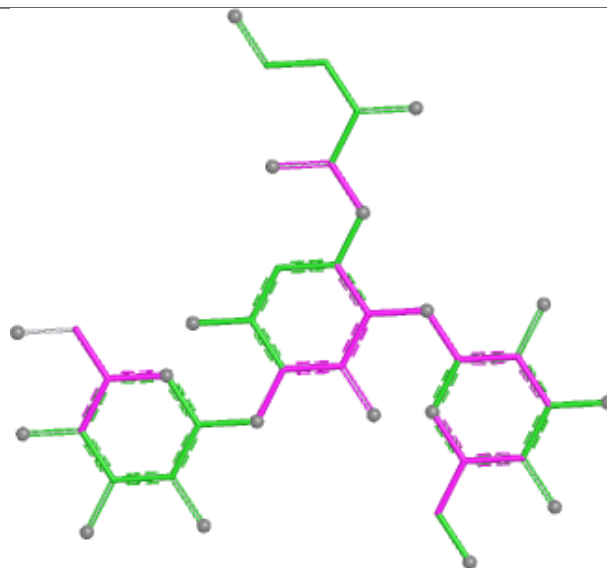
Ligand AKN 2a 1911



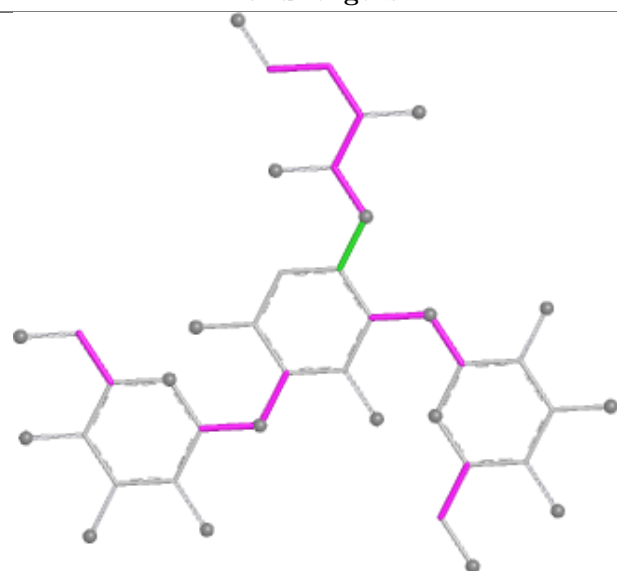
Ligand AKN 1a 1914



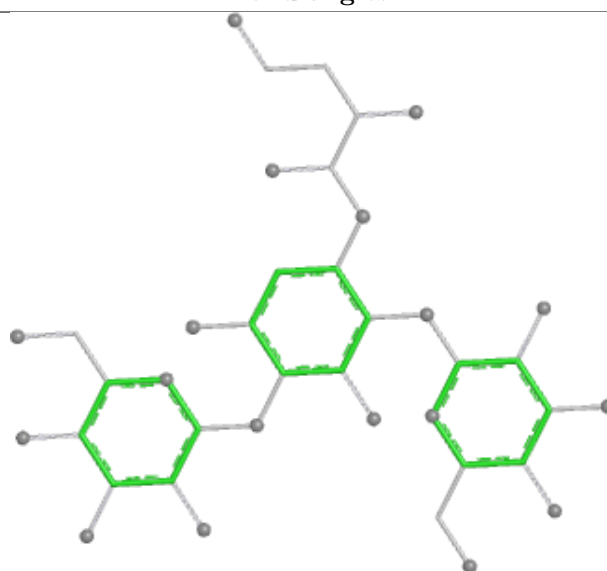
Bond lengths



Bond angles

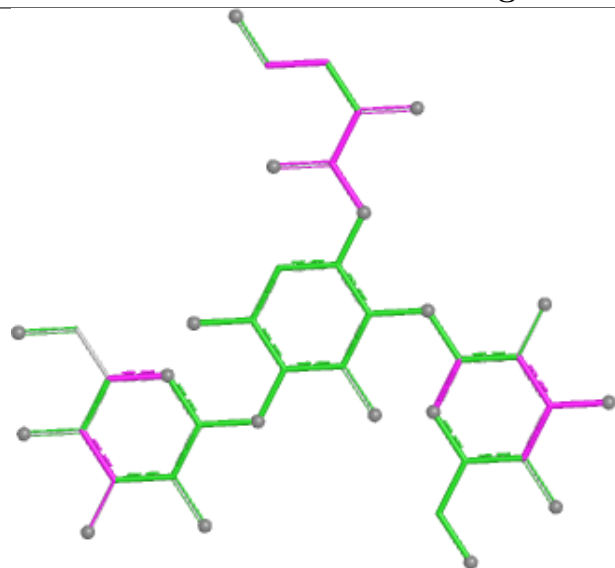


Torsions

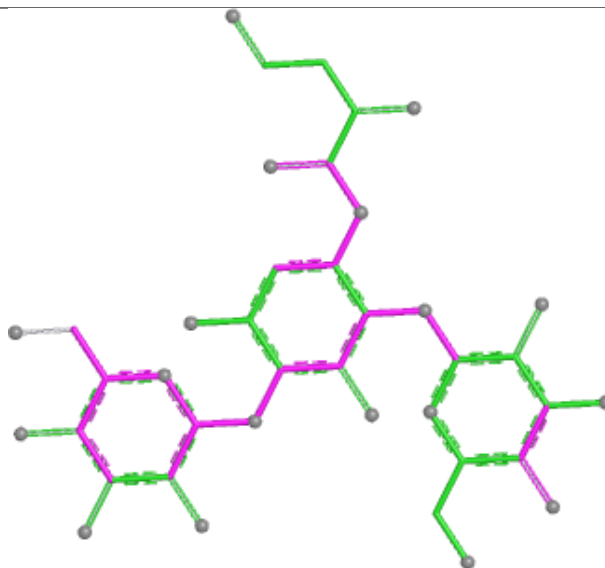


Rings

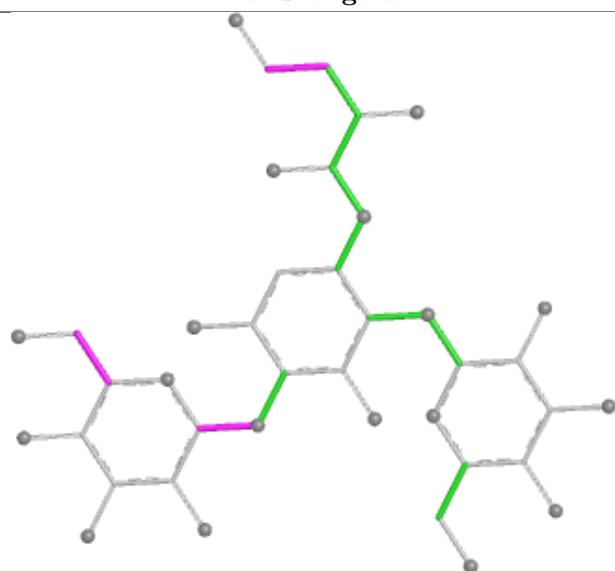
Ligand AKN 1a 1913



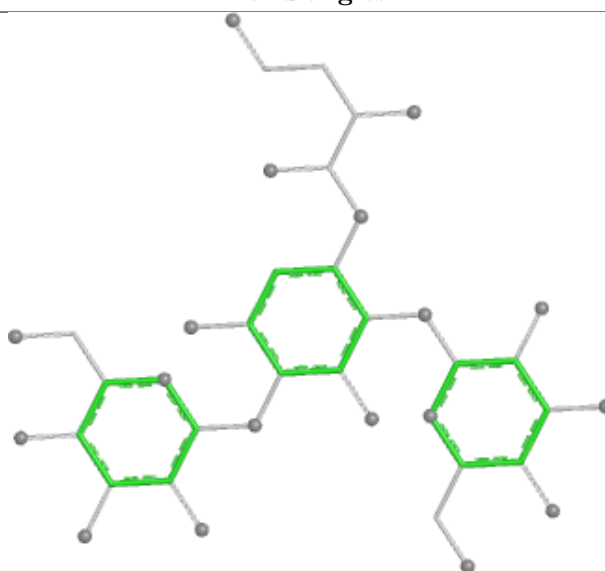
Bond lengths



Bond angles

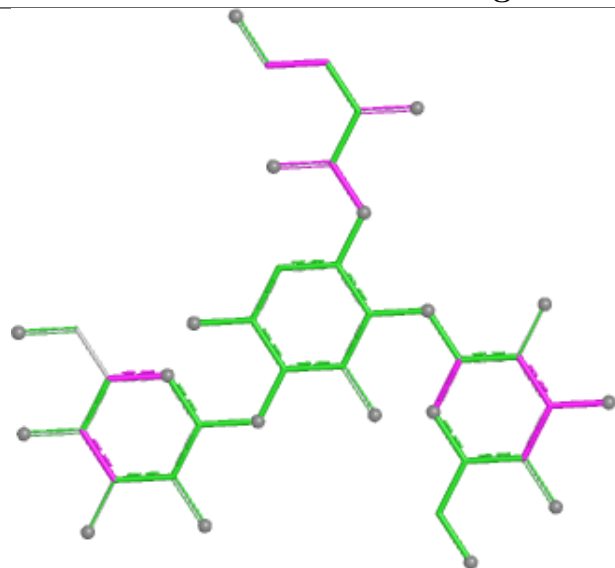


Torsions

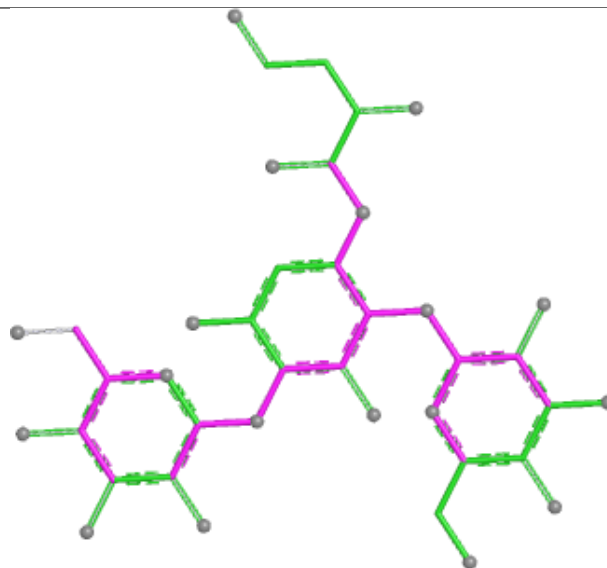


Rings

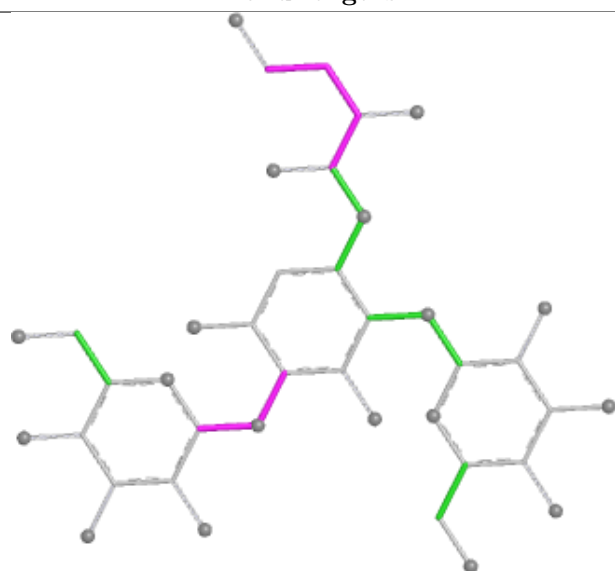
Ligand AKN 1A 3937



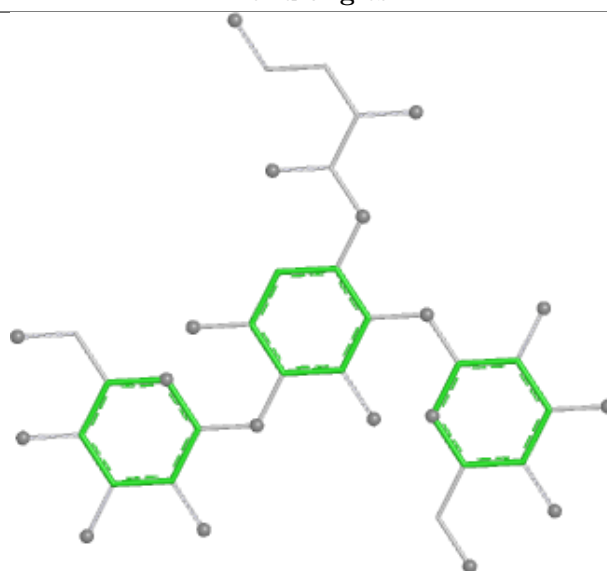
Bond lengths



Bond angles

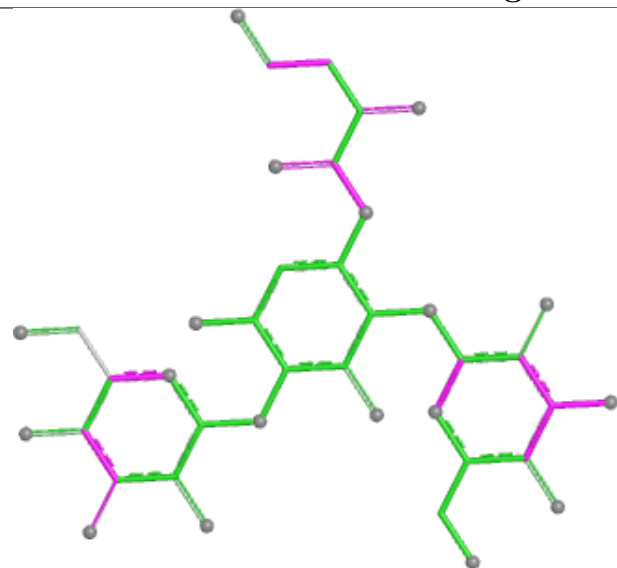


Torsions

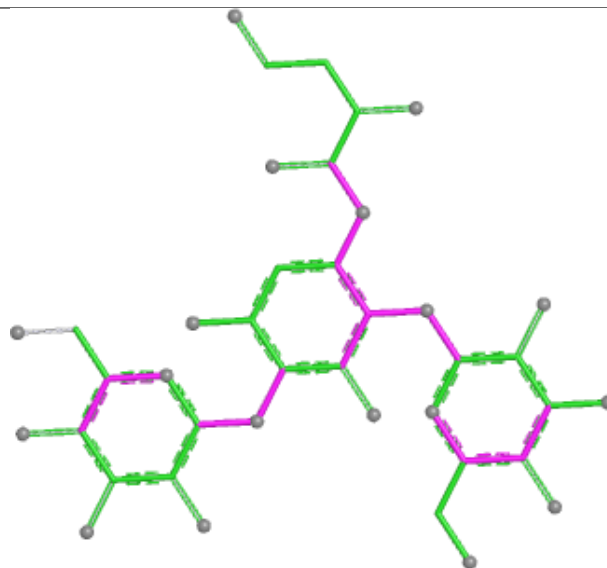


Rings

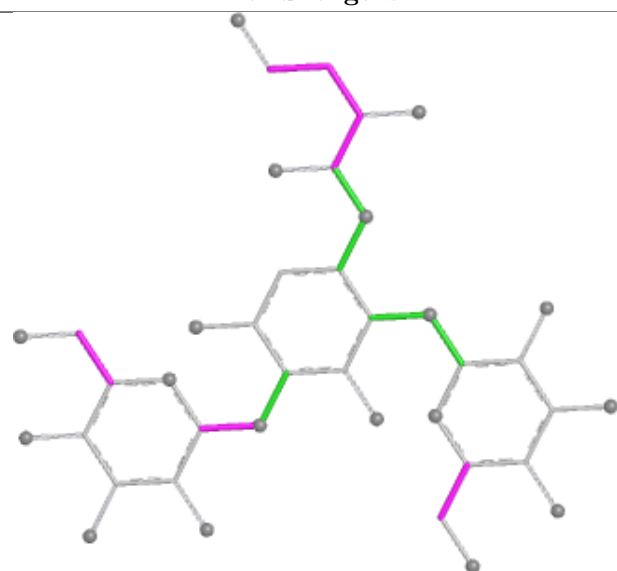
Ligand AKN 2O 202



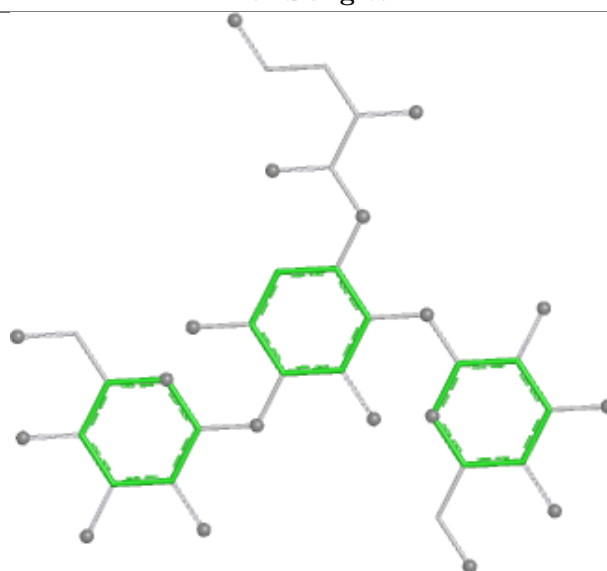
Bond lengths



Bond angles

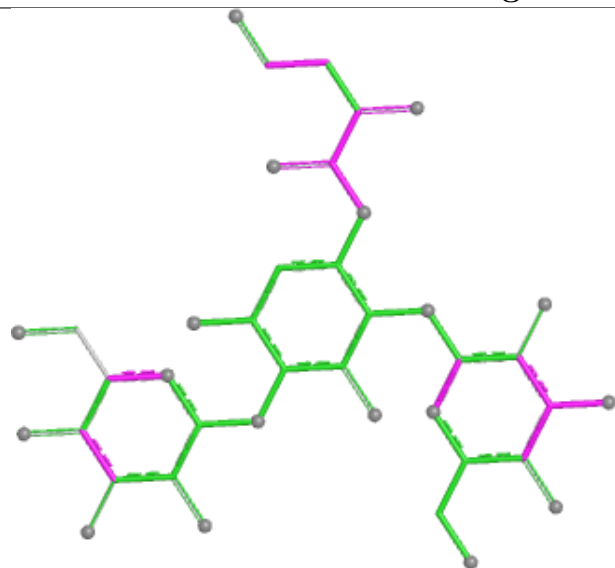


Torsions

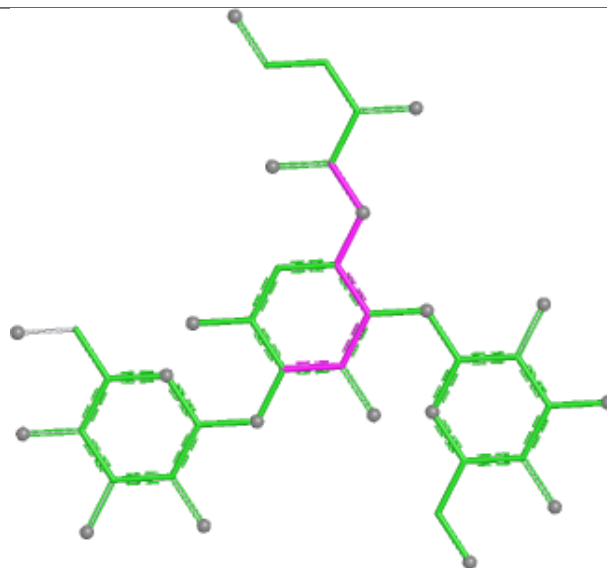


Rings

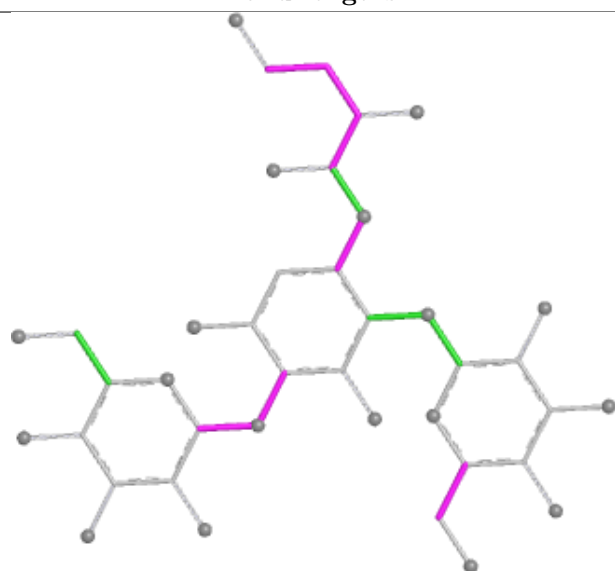
Ligand AKN 1O 202



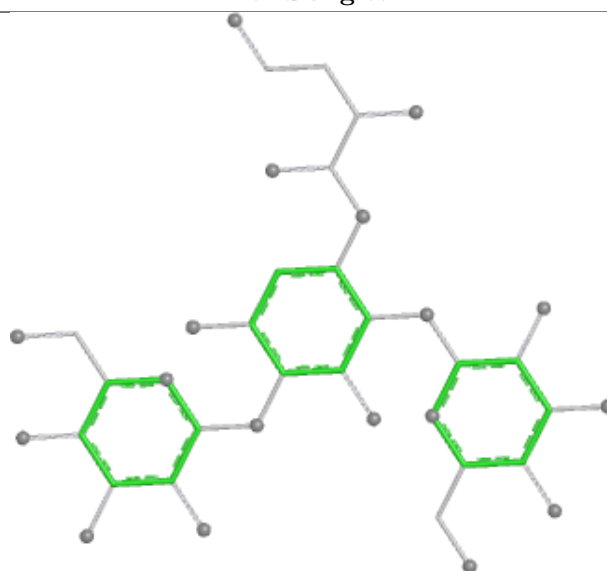
Bond lengths



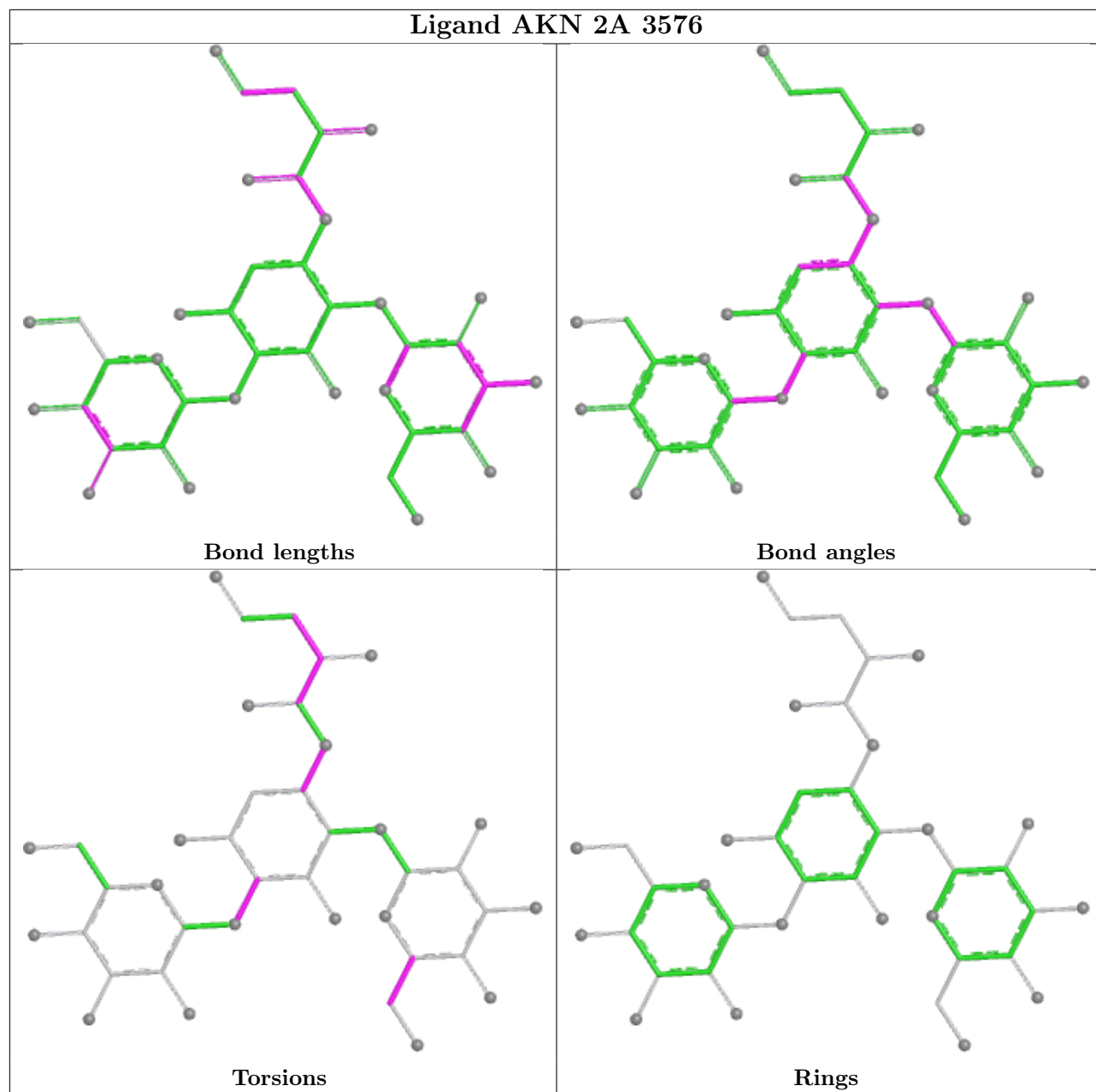
Bond angles



Torsions



Rings



5.7 Other polymers [i](#)

There are no such residues in this entry.

5.8 Polymer linkage issues [i](#)

There are no chain breaks in this entry.

6 Fit of model and data ⓘ

6.1 Protein, DNA and RNA chains ⓘ

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

Mol	Chain	Analysed	<RSRZ>	#RSRZ > 2	OWAB(Å ²)	Q < 0.9
1	1A	2860/2915 (98%)	-0.56	16 (0%) 85 81	26, 47, 115, 136	0
1	2A	2789/2915 (95%)	-0.26	25 (0%) 81 75	39, 71, 115, 136	0
2	1B	120/121 (99%)	-0.67	0 100 100	37, 60, 77, 107	0
2	2B	120/121 (99%)	0.19	1 (0%) 82 77	74, 95, 108, 119	0
3	1D	275/276 (99%)	0.15	4 (1%) 72 65	29, 47, 62, 83	0
3	2D	275/276 (99%)	0.39	15 (5%) 30 25	39, 60, 76, 94	0
4	1E	204/206 (99%)	-0.38	0 100 100	30, 50, 71, 91	0
4	2E	204/206 (99%)	0.49	16 (7%) 19 16	45, 73, 88, 96	0
5	1F	203/210 (96%)	-0.21	1 (0%) 87 83	27, 50, 78, 100	0
5	2F	203/210 (96%)	0.14	4 (1%) 65 56	47, 79, 98, 105	0
6	1G	181/182 (99%)	0.12	2 (1%) 78 72	50, 68, 87, 101	0
6	2G	181/182 (99%)	0.69	9 (4%) 34 27	80, 95, 105, 117	0
7	1H	174/180 (96%)	0.03	2 (1%) 78 72	49, 68, 80, 90	0
7	2H	174/180 (96%)	0.41	2 (1%) 78 72	84, 101, 113, 117	0
8	1I	146/148 (98%)	0.27	7 (4%) 35 29	56, 86, 100, 103	0
8	2I	146/148 (98%)	0.77	11 (7%) 20 17	67, 87, 102, 107	0
9	1N	140/140 (100%)	-0.16	1 (0%) 84 79	36, 49, 77, 91	0
9	2N	140/140 (100%)	0.58	6 (4%) 40 31	57, 80, 94, 102	0
10	1O	122/122 (100%)	-0.09	0 100 100	38, 51, 68, 76	0
10	2O	122/122 (100%)	0.06	2 (1%) 70 62	55, 70, 83, 93	0
11	1P	149/150 (99%)	0.05	2 (1%) 75 68	27, 56, 80, 89	0
11	2P	149/150 (99%)	0.53	6 (4%) 42 34	49, 82, 101, 107	0
12	1Q	141/141 (100%)	-0.22	1 (0%) 84 79	36, 51, 64, 84	0
12	2Q	141/141 (100%)	0.46	5 (3%) 47 39	62, 81, 94, 99	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
13	1R	118/118 (100%)	-0.09	0 100 100	34, 44, 59, 75	0
13	2R	118/118 (100%)	0.17	3 (2%) 58 49	52, 63, 77, 84	0
14	1S	110/112 (98%)	-0.03	1 (0%) 81 75	45, 58, 73, 82	0
14	2S	110/112 (98%)	0.98	9 (8%) 17 15	74, 89, 98, 102	0
15	1T	131/146 (89%)	0.04	6 (4%) 37 30	42, 57, 84, 98	0
15	2T	131/146 (89%)	0.35	3 (2%) 61 52	60, 74, 97, 105	0
16	1U	116/118 (98%)	-0.16	0 100 100	30, 41, 61, 75	0
16	2U	116/118 (98%)	0.33	2 (1%) 69 61	56, 77, 92, 98	0
17	1V	101/101 (100%)	-0.31	0 100 100	32, 49, 67, 83	0
17	2V	101/101 (100%)	0.26	4 (3%) 42 34	52, 88, 98, 104	0
18	1W	112/113 (99%)	-0.11	1 (0%) 81 75	31, 42, 61, 89	0
18	2W	112/113 (99%)	0.27	1 (0%) 81 75	50, 62, 80, 106	0
19	1X	95/96 (98%)	-0.02	2 (2%) 63 54	34, 49, 69, 85	0
19	2X	95/96 (98%)	0.50	5 (5%) 32 26	51, 72, 85, 93	0
20	1Y	107/110 (97%)	0.05	1 (0%) 81 75	47, 61, 83, 95	0
20	2Y	107/110 (97%)	0.46	5 (4%) 36 29	73, 86, 97, 106	0
21	1Z	154/206 (74%)	0.38	5 (3%) 50 42	50, 73, 97, 112	0
21	2Z	160/206 (77%)	0.54	6 (3%) 44 36	81, 99, 113, 119	0
22	10	83/85 (97%)	0.34	6 (7%) 21 19	36, 48, 78, 98	0
22	20	83/85 (97%)	0.90	10 (12%) 9 8	61, 74, 92, 100	0
23	11	97/98 (98%)	0.18	2 (2%) 63 54	36, 52, 81, 89	0
23	21	97/98 (98%)	0.84	7 (7%) 21 19	48, 66, 92, 96	0
24	12	70/72 (97%)	-0.06	0 100 100	40, 59, 70, 95	0
24	22	70/72 (97%)	0.18	0 100 100	67, 84, 93, 95	0
25	13	59/60 (98%)	-0.24	1 (1%) 69 61	32, 45, 69, 96	0
25	23	59/60 (98%)	0.16	0 100 100	66, 79, 96, 101	0
26	14	69/71 (97%)	0.32	1 (1%) 73 66	64, 85, 108, 112	0
26	24	69/71 (97%)	0.77	8 (11%) 9 9	91, 104, 114, 120	0
27	15	59/60 (98%)	-0.17	0 100 100	29, 43, 57, 71	0
27	25	59/60 (98%)	0.14	0 100 100	51, 65, 83, 87	0
28	16	53/54 (98%)	-0.18	0 100 100	42, 47, 61, 73	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
28	26	53/54 (98%)	0.51	3 (5%) 29 24	57, 70, 78, 86	0
29	17	48/49 (97%)	-0.10	0 100 100	30, 37, 72, 79	0
29	27	48/49 (97%)	0.13	1 (2%) 63 54	41, 51, 71, 87	0
30	18	64/65 (98%)	-0.02	0 100 100	32, 44, 51, 65	0
30	28	64/65 (98%)	0.65	3 (4%) 36 29	56, 66, 76, 80	0
31	19	37/37 (100%)	-0.22	0 100 100	43, 50, 68, 79	0
31	29	37/37 (100%)	0.71	4 (10%) 11 10	75, 84, 94, 97	0
32	1a	1488/1521 (97%)	-0.12	20 (1%) 75 68	45, 76, 112, 134	0
32	2a	1491/1521 (98%)	0.04	18 (1%) 76 70	65, 92, 116, 137	0
33	1b	231/256 (90%)	0.17	1 (0%) 88 86	73, 94, 110, 119	0
33	2b	231/256 (90%)	0.68	12 (5%) 33 27	96, 107, 113, 123	0
34	1c	206/239 (86%)	0.12	4 (1%) 66 58	66, 80, 96, 106	0
34	2c	206/239 (86%)	0.77	22 (10%) 11 10	85, 102, 109, 117	0
35	1d	208/209 (99%)	0.86	21 (10%) 12 11	66, 83, 95, 102	0
35	2d	208/209 (99%)	0.64	10 (4%) 35 29	73, 89, 101, 107	0
36	1e	148/162 (91%)	0.22	2 (1%) 73 66	59, 75, 87, 108	0
36	2e	148/162 (91%)	0.68	7 (4%) 36 29	83, 95, 104, 111	0
37	1f	100/101 (99%)	0.23	1 (1%) 79 74	64, 78, 90, 95	0
37	2f	100/101 (99%)	0.21	1 (1%) 79 74	72, 85, 96, 106	0
38	1g	155/156 (99%)	0.49	12 (7%) 19 17	65, 81, 98, 111	0
38	2g	155/156 (99%)	0.48	9 (5%) 29 23	85, 96, 106, 114	0
39	1h	137/138 (99%)	0.29	4 (2%) 53 44	65, 78, 90, 95	0
39	2h	137/138 (99%)	0.77	11 (8%) 18 16	87, 96, 103, 110	0
40	1i	127/128 (99%)	0.71	16 (12%) 8 8	63, 87, 99, 103	0
40	2i	127/128 (99%)	1.34	27 (21%) 2 2	89, 103, 110, 114	0
41	1j	97/105 (92%)	0.84	8 (8%) 17 15	64, 90, 105, 112	0
41	2j	96/105 (91%)	1.15	14 (14%) 6 6	91, 105, 111, 116	0
42	1k	114/129 (88%)	0.23	2 (1%) 67 59	58, 77, 89, 94	0
42	2k	114/129 (88%)	0.35	3 (2%) 57 48	75, 89, 99, 104	0
43	1l	121/132 (91%)	0.49	10 (8%) 17 15	51, 63, 79, 95	0
43	2l	121/132 (91%)	1.07	21 (17%) 4 3	63, 81, 92, 100	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
44	1m	123/126 (97%)	0.52	6 (4%) 35 28	60, 77, 89, 99	0
44	2m	122/126 (96%)	1.06	16 (13%) 7 7	80, 99, 109, 117	0
45	1n	60/61 (98%)	0.46	1 (1%) 69 61	63, 74, 84, 89	0
45	2n	60/61 (98%)	1.72	17 (28%) 1 1	88, 101, 107, 108	0
46	1o	88/89 (98%)	0.57	6 (6%) 23 20	59, 75, 89, 100	0
46	2o	88/89 (98%)	0.23	1 (1%) 78 72	72, 87, 99, 102	0
47	1p	82/88 (93%)	0.71	4 (4%) 35 28	70, 82, 92, 96	0
47	2p	82/88 (93%)	0.11	0 100 100	72, 84, 96, 105	0
48	1q	99/105 (94%)	0.62	8 (8%) 18 15	64, 80, 92, 101	0
48	2q	99/105 (94%)	0.82	8 (8%) 18 15	74, 86, 98, 105	0
49	1r	68/88 (77%)	0.17	0 100 100	67, 76, 91, 96	0
49	2r	68/88 (77%)	0.12	1 (1%) 72 65	76, 90, 98, 105	0
50	1s	83/93 (89%)	0.35	3 (3%) 46 38	68, 80, 92, 98	0
50	2s	83/93 (89%)	1.15	10 (12%) 9 8	88, 102, 111, 118	0
51	1t	96/106 (90%)	0.61	8 (8%) 17 15	70, 82, 94, 103	0
51	2t	96/106 (90%)	0.86	15 (15%) 5 5	70, 85, 101, 106	0
52	1u	23/27 (85%)	1.35	6 (26%) 1 1	69, 76, 81, 90	0
52	2u	23/27 (85%)	2.33	17 (73%) 0 0	91, 96, 100, 102	0
53	1v	13/24 (54%)	0.33	1 (7%) 19 17	56, 68, 91, 118	0
53	2v	13/24 (54%)	1.06	2 (15%) 5 5	79, 94, 117, 126	0
54	1w	67/76 (88%)	-0.01	1 (1%) 72 65	65, 102, 124, 129	0
54	1y	67/76 (88%)	0.21	2 (2%) 52 44	49, 111, 120, 137	0
54	2w	65/76 (85%)	0.47	2 (3%) 51 43	88, 116, 128, 134	0
54	2y	66/76 (86%)	0.18	0 100 100	67, 119, 126, 129	0
55	1x	72/77 (93%)	-0.34	0 100 100	47, 69, 94, 105	0
55	2x	72/77 (93%)	-0.21	0 100 100	63, 92, 104, 118	0
All	All	20875/21748 (95%)	0.09	629 (3%) 52 44	26, 76, 109, 137	0

The worst 5 of 629 RSRZ outliers are listed below:

Mol	Chain	Res	Type	RSRZ
44	2m	124	PRO	8.5
22	10	8	GLY	8.1

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Mol	Chain	Res	Type	RSRZ
23	21	2	SER	8.0
22	10	7	LEU	6.8
45	2n	39	LEU	6.5

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

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

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
54	7MG	2w	46	24/25	0.53	0.11	106,118,134,152	0
54	7MG	1y	46	24/25	0.54	0.12	108,116,129,134	0
54	7MG	1w	46	24/25	0.63	0.12	93,103,126,142	0
54	5MU	1y	54	21/22	0.65	0.11	101,110,119,130	0
54	PSU	2y	32	20/21	0.65	0.13	91,110,120,121	0
54	5MU	2y	54	21/22	0.65	0.13	110,119,130,143	0
54	MIA	2y	37	22/30	0.67	0.11	98,109,118,131	0
54	4SU	1y	8	20/21	0.71	0.11	105,113,126,129	0
54	4SU	2y	8	20/21	0.74	0.11	110,120,126,128	0
54	PSU	1y	55	20/21	0.74	0.11	108,115,127,131	0
54	7MG	2y	46	24/25	0.75	0.10	116,124,130,143	0
54	PSU	2w	55	20/21	0.76	0.09	95,105,114,117	0
54	4SU	1w	8	20/21	0.77	0.09	99,103,117,119	0
54	PSU	2y	55	20/21	0.77	0.12	113,126,131,134	0
54	4SU	2w	8	20/21	0.79	0.10	109,121,129,137	0
54	PSU	2y	39	20/21	0.82	0.09	96,104,108,110	0
55	PSU	2x	55	20/21	0.83	0.09	86,93,107,108	0
54	MIA	1y	37	22/30	0.83	0.10	86,96,100,103	0
55	5MU	2x	54	21/22	0.85	0.09	88,96,101,104	0
54	PSU	1w	55	20/21	0.85	0.08	62,87,97,97	0
55	4SU	2x	8	20/21	0.85	0.11	75,91,102,103	0
32	PSU	2a	516	20/21	0.87	0.12	69,89,97,100	0
32	2MG	2a	1207	24/25	0.87	0.14	97,103,108,110	0
55	PSU	1x	55	20/21	0.87	0.10	71,76,84,87	0
54	5MU	2w	54	21/22	0.88	0.07	86,95,101,111	0
55	5MU	1x	54	21/22	0.89	0.10	72,77,80,83	0
1	5MU	2A	1915	21/22	0.89	0.10	76,81,87,88	0
54	PSU	1y	32	20/21	0.90	0.08	85,97,104,105	0
54	PSU	1y	39	20/21	0.90	0.09	72,93,98,109	0
32	5MC	2a	967	21/22	0.91	0.14	84,92,97,104	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
1	PSU	2A	1917	20/21	0.91	0.08	70,79,86,96	0
54	PSU	1w	32	20/21	0.91	0.10	69,79,86,86	0
32	M2G	2a	966	25/26	0.91	0.15	75,88,98,103	0
54	PSU	2w	32	20/21	0.92	0.12	92,102,106,113	0
54	PSU	2w	39	20/21	0.92	0.12	86,97,103,103	0
55	4SU	1x	8	20/21	0.92	0.09	60,68,78,81	0
32	4OC	2a	1402	22/23	0.92	0.12	73,84,89,91	0
32	7MG	2a	527	24/25	0.92	0.12	69,77,84,87	0
32	PSU	1a	516	20/21	0.93	0.08	51,66,70,72	0
1	5MU	1A	1937	21/22	0.93	0.11	59,66,71,72	0
55	5MC	2x	32	21/22	0.93	0.11	78,86,91,92	0
54	MIA	2w	37	25/30	0.94	0.12	77,89,99,103	0
1	PSU	2A	1911	20/21	0.94	0.07	69,81,84,90	0
55	5MC	1x	32	21/22	0.94	0.15	63,69,76,78	0
32	5MC	2a	1407	21/22	0.94	0.09	70,76,77,78	0
32	MA6	2a	1518	24/25	0.94	0.12	67,80,85,86	0
43	0TD	2l	92	10/11	0.94	0.10	74,78,82,90	0
54	5MU	1w	54	21/22	0.94	0.07	66,74,81,83	0
1	5MC	2A	1942	21/22	0.94	0.08	53,68,74,78	0
32	7MG	1a	527	24/25	0.95	0.08	45,53,60,63	0
32	2MG	1a	1207	24/25	0.95	0.07	65,74,79,81	0
32	5MC	2a	1400	21/22	0.95	0.13	79,84,90,91	0
32	UR3	1a	1498	21/22	0.95	0.14	44,51,54,59	0
32	5MC	2a	1404	21/22	0.95	0.10	69,78,82,83	0
1	5MU	2A	1939	21/22	0.95	0.07	51,56,62,67	0
32	UR3	2a	1498	21/22	0.95	0.11	60,75,80,82	0
32	MA6	1a	1519	24/25	0.95	0.13	47,51,57,64	0
32	MA6	2a	1519	24/25	0.95	0.11	66,78,84,88	0
1	5MC	2A	1962	21/22	0.95	0.09	56,61,73,81	0
1	OMG	2A	2251	24/25	0.95	0.08	49,58,60,65	0
43	0TD	1l	92	10/11	0.95	0.12	57,59,63,66	0
1	PSU	1A	1939	20/21	0.95	0.10	47,59,66,66	0
1	PSU	1A	1933	20/21	0.95	0.09	42,52,58,60	0
32	5MC	1a	967	21/22	0.96	0.13	57,62,67,70	0
1	5MC	1A	1964	21/22	0.96	0.08	44,52,57,61	0
32	5MC	1a	1400	21/22	0.96	0.11	52,57,63,72	0
32	5MC	1a	1407	21/22	0.96	0.11	48,53,57,62	0
1	2MA	1A	2515	23/24	0.96	0.09	27,32,37,41	0
32	MA6	1a	1518	24/25	0.96	0.11	41,49,53,56	0
1	4OC	2A	1920	21/23	0.96	0.08	70,74,83,84	0
1	PSU	1A	2617	20/21	0.96	0.07	36,39,43,47	0
1	4OC	1A	1942	21/23	0.96	0.11	48,60,64,65	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
1	5MU	1A	1961	21/22	0.96	0.08	37,47,50,60	0
32	M2G	1a	966	25/26	0.96	0.12	50,59,65,74	0
1	2MA	2A	2503	23/24	0.96	0.10	37,46,49,51	0
1	2MU	2A	2552	21/23	0.96	0.07	43,52,60,64	0
1	PSU	2A	2605	20/21	0.96	0.08	36,52,60,62	0
54	PSU	1w	39	20/21	0.96	0.08	56,73,81,88	0
32	5MC	1a	1404	21/22	0.97	0.11	46,54,57,60	0
1	5MC	1A	1984	21/22	0.97	0.07	33,48,55,62	0
54	MIA	1w	37	29/30	0.97	0.09	53,62,74,77	0
32	4OC	1a	1402	22/23	0.97	0.07	51,59,62,66	0
1	OMG	1A	2263	24/25	0.98	0.07	30,35,43,50	0
1	2MU	1A	2564	21/23	0.98	0.06	36,41,46,52	0

6.3 Carbohydrates [i](#)

There are no oligosaccharides in this entry.

6.4 Ligands [i](#)

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

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	1A	3897	1/1	0.26	0.12	76,76,76,76	0
56	MG	2a	1649	1/1	0.28	0.24	87,87,87,87	0
56	MG	2A	3537	1/1	0.32	0.23	90,90,90,90	0
56	MG	1A	3558	1/1	0.32	0.21	113,113,113,113	0
56	MG	2a	1830	1/1	0.35	0.23	100,100,100,100	0
56	MG	1A	3815	1/1	0.36	0.23	89,89,89,89	0
56	MG	1a	1901	1/1	0.42	0.26	80,80,80,80	0
56	MG	1a	1777	1/1	0.45	0.28	88,88,88,88	0
56	MG	2a	1904	1/1	0.45	0.29	94,94,94,94	0
56	MG	1a	1907	1/1	0.46	0.30	93,93,93,93	0
56	MG	2A	3182	1/1	0.46	0.28	92,92,92,92	0
56	MG	1a	1709	1/1	0.47	0.22	85,85,85,85	0
56	MG	2a	1796	1/1	0.50	0.33	81,81,81,81	0
56	MG	1A	3286	1/1	0.51	0.17	82,82,82,82	0
56	MG	1a	1613	1/1	0.51	0.26	97,97,97,97	0
56	MG	1a	1702	1/1	0.52	0.22	97,97,97,97	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	1a	1866	1/1	0.52	0.34	77,77,77,77	0
56	MG	2a	1887	1/1	0.53	0.16	103,103,103,103	0
56	MG	1a	1611	1/1	0.53	0.22	98,98,98,98	0
56	MG	1A	3880	1/1	0.54	0.14	63,63,63,63	0
56	MG	2A	3533	1/1	0.55	0.18	88,88,88,88	0
56	MG	1A	3063	1/1	0.56	0.20	78,78,78,78	0
56	MG	1B	227	1/1	0.56	0.35	86,86,86,86	0
56	MG	1A	3546	1/1	0.57	0.19	69,69,69,69	0
56	MG	2A	3526	1/1	0.57	0.21	101,101,101,101	0
56	MG	2B	214	1/1	0.57	0.18	95,95,95,95	0
56	MG	2a	1618	1/1	0.57	0.14	132,132,132,132	0
56	MG	2a	1638	1/1	0.57	0.39	92,92,92,92	0
56	MG	1A	3701	1/1	0.58	0.34	92,92,92,92	0
56	MG	2a	1762	1/1	0.58	0.28	91,91,91,91	0
56	MG	1A	3861	1/1	0.59	0.24	75,75,75,75	0
56	MG	1A	3764	1/1	0.60	0.24	70,70,70,70	0
56	MG	1a	1796	1/1	0.60	0.20	104,104,104,104	0
56	MG	2A	3475	1/1	0.60	0.25	84,84,84,84	0
56	MG	2a	1683	1/1	0.61	0.12	110,110,110,110	0
56	MG	2A	3118	1/1	0.61	0.13	93,93,93,93	0
56	MG	1a	1872	1/1	0.61	0.11	89,89,89,89	0
56	MG	1a	1873	1/1	0.61	0.11	85,85,85,85	0
56	MG	2a	1842	1/1	0.61	0.19	97,97,97,97	0
56	MG	1a	1776	1/1	0.61	0.35	65,65,65,65	0
56	MG	1A	3934	1/1	0.61	0.20	99,99,99,99	0
56	MG	1A	3820	1/1	0.62	0.20	84,84,84,84	0
56	MG	2a	1826	1/1	0.62	0.16	87,87,87,87	0
56	MG	1A	3923	1/1	0.63	0.37	57,57,57,57	0
56	MG	1A	3798	1/1	0.63	0.18	78,78,78,78	0
56	MG	1A	3228	1/1	0.63	0.16	79,79,79,79	0
56	MG	1l	204	1/1	0.63	0.13	68,68,68,68	0
56	MG	1A	3337	1/1	0.63	0.41	57,57,57,57	0
56	MG	2B	210	1/1	0.63	0.18	90,90,90,90	0
56	MG	1A	3075	1/1	0.64	0.41	78,78,78,78	0
56	MG	2a	1782	1/1	0.64	0.09	76,76,76,76	0
56	MG	1F	306	1/1	0.64	0.21	70,70,70,70	0
56	MG	2A	3263	1/1	0.64	0.34	66,66,66,66	0
56	MG	1a	1609	1/1	0.64	0.61	98,98,98,98	0
56	MG	2A	3514	1/1	0.64	0.10	87,87,87,87	0
56	MG	1A	3537	1/1	0.64	0.30	108,108,108,108	0
56	MG	2a	1893	1/1	0.64	0.13	82,82,82,82	0
56	MG	1w	101	1/1	0.64	0.14	83,83,83,83	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	1A	3222	1/1	0.65	0.14	80,80,80,80	0
56	MG	1A	3042	1/1	0.65	0.20	86,86,86,86	0
56	MG	2a	1705	1/1	0.65	0.13	68,68,68,68	0
56	MG	2a	1752	1/1	0.65	0.09	77,77,77,77	0
56	MG	1A	3587	1/1	0.65	0.25	71,71,71,71	0
56	MG	1A	3830	1/1	0.65	0.20	72,72,72,72	0
56	MG	1a	1770	1/1	0.65	0.34	82,82,82,82	0
56	MG	1e	202	1/1	0.65	0.12	87,87,87,87	0
56	MG	1D	303	1/1	0.65	0.29	68,68,68,68	0
56	MG	1A	3536	1/1	0.65	0.18	54,54,54,54	0
56	MG	2a	1605	1/1	0.65	0.14	93,93,93,93	0
56	MG	1A	3230	1/1	0.65	0.20	93,93,93,93	0
56	MG	1a	1829	1/1	0.65	0.17	87,87,87,87	0
56	MG	1A	3823	1/1	0.66	0.27	78,78,78,78	0
56	MG	1A	3354	1/1	0.66	0.28	71,71,71,71	0
56	MG	2a	1829	1/1	0.66	0.16	87,87,87,87	0
56	MG	1a	1878	1/1	0.66	0.15	84,84,84,84	0
56	MG	2B	213	1/1	0.66	0.19	83,83,83,83	0
56	MG	1A	3580	1/1	0.66	0.32	76,76,76,76	0
56	MG	1x	103	1/1	0.66	0.13	83,83,83,83	0
56	MG	2A	3082	1/1	0.66	0.32	72,72,72,72	0
56	MG	1a	1765	1/1	0.67	0.35	78,78,78,78	0
56	MG	1A	3258	1/1	0.67	0.18	78,78,78,78	0
56	MG	2a	1874	1/1	0.67	0.21	67,67,67,67	0
56	MG	2a	1804	1/1	0.67	0.28	78,78,78,78	0
56	MG	1A	3693	1/1	0.67	0.11	80,80,80,80	0
56	MG	1A	3875	1/1	0.67	0.18	77,77,77,77	0
56	MG	1a	1876	1/1	0.68	0.09	102,102,102,102	0
56	MG	2A	3478	1/1	0.68	0.29	76,76,76,76	0
56	MG	2a	1631	1/1	0.68	0.28	90,90,90,90	0
56	MG	1A	3229	1/1	0.68	0.25	84,84,84,84	0
56	MG	1A	3295	1/1	0.69	0.18	87,87,87,87	0
56	MG	1d	301	1/1	0.69	0.17	86,86,86,86	0
56	MG	1B	209	1/1	0.69	0.24	61,61,61,61	0
56	MG	1a	1742	1/1	0.69	0.14	78,78,78,78	0
56	MG	2a	1889	1/1	0.69	0.17	87,87,87,87	0
56	MG	2a	1720	1/1	0.69	0.16	96,96,96,96	0
56	MG	2A	3506	1/1	0.69	0.15	75,75,75,75	0
56	MG	2a	1674	1/1	0.70	0.23	79,79,79,79	0
56	MG	1m	202	1/1	0.70	0.24	87,87,87,87	0
56	MG	2A	3114	1/1	0.70	0.27	80,80,80,80	0
56	MG	2A	3493	1/1	0.70	0.17	92,92,92,92	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	1A	3849	1/1	0.70	0.16	86,86,86,86	0
56	MG	2A	3134	1/1	0.70	0.09	93,93,93,93	0
56	MG	1A	3860	1/1	0.70	0.11	75,75,75,75	0
56	MG	2A	3196	1/1	0.70	0.16	87,87,87,87	0
56	MG	1x	116	1/1	0.70	0.10	90,90,90,90	0
56	MG	2b	301	1/1	0.70	0.21	89,89,89,89	0
56	MG	2a	1709	1/1	0.71	0.28	89,89,89,89	0
56	MG	2a	1878	1/1	0.71	0.17	96,96,96,96	0
56	MG	2a	1613	1/1	0.71	0.15	80,80,80,80	0
56	MG	1d	302	1/1	0.71	0.17	81,81,81,81	0
56	MG	2A	3003	1/1	0.71	0.16	86,86,86,86	0
56	MG	2a	1774	1/1	0.71	0.15	70,70,70,70	0
56	MG	1A	3325	1/1	0.71	0.16	82,82,82,82	0
56	MG	1F	302	1/1	0.72	0.32	58,58,58,58	0
56	MG	1a	1845	1/1	0.72	0.18	107,107,107,107	0
56	MG	1a	1856	1/1	0.72	0.07	80,80,80,80	0
56	MG	2A	3187	1/1	0.72	0.19	77,77,77,77	0
56	MG	1A	3281	1/1	0.72	0.12	89,89,89,89	0
56	MG	2A	3197	1/1	0.72	0.12	78,78,78,78	0
56	MG	2A	3204	1/1	0.72	0.34	80,80,80,80	0
56	MG	1A	3879	1/1	0.72	0.14	96,96,96,96	0
56	MG	2A	3417	1/1	0.72	0.29	77,77,77,77	0
56	MG	2A	3447	1/1	0.72	0.28	50,50,50,50	0
56	MG	1A	3785	1/1	0.72	0.18	67,67,67,67	0
56	MG	1a	1874	1/1	0.72	0.26	79,79,79,79	0
56	MG	1A	3894	1/1	0.72	0.20	71,71,71,71	0
56	MG	2a	1685	1/1	0.72	0.18	83,83,83,83	0
56	MG	2a	1892	1/1	0.72	0.14	90,90,90,90	0
56	MG	1a	1618	1/1	0.72	0.15	65,65,65,65	0
56	MG	1A	3818	1/1	0.72	0.22	77,77,77,77	0
56	MG	1a	1811	1/1	0.72	0.23	62,62,62,62	0
56	MG	1B	218	1/1	0.73	0.26	68,68,68,68	0
56	MG	2a	1615	1/1	0.73	0.16	83,83,83,83	0
56	MG	1a	1911	1/1	0.73	0.09	80,80,80,80	0
56	MG	2a	1619	1/1	0.73	0.24	90,90,90,90	0
56	MG	1A	3593	1/1	0.73	0.16	75,75,75,75	0
56	MG	1B	206	1/1	0.73	0.33	79,79,79,79	0
56	MG	1a	1879	1/1	0.73	0.10	67,67,67,67	0
56	MG	1a	1883	1/1	0.73	0.12	74,74,74,74	0
56	MG	2a	1800	1/1	0.73	0.32	75,75,75,75	0
56	MG	2Q	201	1/1	0.73	0.14	81,81,81,81	0
56	MG	1A	3825	1/1	0.73	0.14	78,78,78,78	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	2A	3044	1/1	0.74	0.24	71,71,71,71	0
56	MG	2A	3067	1/1	0.74	0.27	66,66,66,66	0
56	MG	2a	1832	1/1	0.74	0.28	61,61,61,61	0
56	MG	15	103	1/1	0.74	0.17	79,79,79,79	0
56	MG	1A	3535	1/1	0.74	0.34	56,56,56,56	0
56	MG	1a	1837	1/1	0.74	0.13	77,77,77,77	0
56	MG	1x	105	1/1	0.74	0.24	72,72,72,72	0
56	MG	1a	1764	1/1	0.74	0.20	89,89,89,89	0
56	MG	1A	3789	1/1	0.74	0.14	80,80,80,80	0
56	MG	2A	3036	1/1	0.74	0.13	81,81,81,81	0
56	MG	2a	1607	1/1	0.74	0.15	90,90,90,90	0
56	MG	2a	1691	1/1	0.74	0.18	102,102,102,102	0
56	MG	2a	1625	1/1	0.75	0.23	88,88,88,88	0
56	MG	1A	3713	1/1	0.75	0.09	80,80,80,80	0
56	MG	1P	201	1/1	0.75	0.12	67,67,67,67	0
56	MG	2A	3064	1/1	0.75	0.20	84,84,84,84	0
56	MG	2a	1658	1/1	0.75	0.12	93,93,93,93	0
56	MG	2a	1662	1/1	0.75	0.26	73,73,73,73	0
56	MG	1a	1789	1/1	0.75	0.22	82,82,82,82	0
56	MG	2a	1680	1/1	0.75	0.20	85,85,85,85	0
56	MG	1a	1705	1/1	0.75	0.07	108,108,108,108	0
56	MG	2a	1840	1/1	0.75	0.26	77,77,77,77	0
56	MG	1a	1706	1/1	0.75	0.14	63,63,63,63	0
56	MG	1A	3795	1/1	0.75	0.23	76,76,76,76	0
56	MG	2a	1695	1/1	0.75	0.33	81,81,81,81	0
56	MG	1A	3257	1/1	0.75	0.19	86,86,86,86	0
56	MG	1A	3706	1/1	0.75	0.31	76,76,76,76	0
56	MG	2A	3510	1/1	0.75	0.10	75,75,75,75	0
56	MG	2a	1745	1/1	0.75	0.21	82,82,82,82	0
56	MG	1A	3788	1/1	0.75	0.13	90,90,90,90	0
56	MG	1a	1617	1/1	0.75	0.11	97,97,97,97	0
56	MG	1a	1897	1/1	0.76	0.70	71,71,71,71	0
56	MG	2A	3346	1/1	0.76	0.13	86,86,86,86	0
56	MG	1a	1900	1/1	0.76	0.21	88,88,88,88	0
56	MG	2a	1758	1/1	0.76	0.11	86,86,86,86	0
56	MG	2A	3440	1/1	0.76	0.20	64,64,64,64	0
56	MG	1A	3547	1/1	0.76	0.24	66,66,66,66	0
56	MG	2a	1780	1/1	0.76	0.24	89,89,89,89	0
56	MG	2A	3454	1/1	0.76	0.18	75,75,75,75	0
56	MG	2A	3468	1/1	0.76	0.13	69,69,69,69	0
56	MG	2a	1620	1/1	0.76	0.23	87,87,87,87	0
56	MG	1A	3552	1/1	0.76	0.29	76,76,76,76	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	2a	1626	1/1	0.76	0.28	70,70,70,70	0
56	MG	1A	3111	1/1	0.76	0.20	67,67,67,67	0
56	MG	1A	3204	1/1	0.76	0.18	71,71,71,71	0
56	MG	2A	3505	1/1	0.76	0.13	91,91,91,91	0
56	MG	2A	3106	1/1	0.76	0.14	69,69,69,69	0
56	MG	1A	3586	1/1	0.76	0.20	74,74,74,74	0
56	MG	2a	1869	1/1	0.76	0.16	96,96,96,96	0
56	MG	1A	3845	1/1	0.76	0.17	82,82,82,82	0
56	MG	2A	3516	1/1	0.76	0.14	80,80,80,80	0
56	MG	1a	1721	1/1	0.76	0.23	70,70,70,70	0
56	MG	1A	3243	1/1	0.76	0.09	88,88,88,88	0
56	MG	1a	1615	1/1	0.76	0.16	69,69,69,69	0
56	MG	1a	1844	1/1	0.76	0.09	72,72,72,72	0
56	MG	1a	1887	1/1	0.76	0.10	89,89,89,89	0
56	MG	1a	1892	1/1	0.76	0.26	73,73,73,73	0
56	MG	2w	101	1/1	0.76	0.12	73,73,73,73	0
56	MG	1a	1867	1/1	0.77	0.19	69,69,69,69	0
56	MG	1A	3783	1/1	0.77	0.20	74,74,74,74	0
56	MG	1A	3801	1/1	0.77	0.10	90,90,90,90	0
56	MG	1A	3339	1/1	0.77	0.12	71,71,71,71	0
56	MG	1A	3293	1/1	0.77	0.19	75,75,75,75	0
56	MG	1A	3856	1/1	0.77	0.20	66,66,66,66	0
56	MG	2a	1835	1/1	0.77	0.32	70,70,70,70	0
56	MG	2a	1837	1/1	0.77	0.33	67,67,67,67	0
56	MG	2A	3520	1/1	0.77	0.09	94,94,94,94	0
56	MG	2a	1716	1/1	0.77	0.20	99,99,99,99	0
56	MG	1a	1722	1/1	0.77	0.18	79,79,79,79	0
56	MG	1E	303	1/1	0.77	0.26	65,65,65,65	0
56	MG	1a	1752	1/1	0.77	0.41	62,62,62,62	0
56	MG	2A	3543	1/1	0.77	0.13	91,91,91,91	0
56	MG	2A	3464	1/1	0.77	0.11	76,76,76,76	0
56	MG	2a	1771	1/1	0.77	0.47	75,75,75,75	0
56	MG	1A	3726	1/1	0.77	0.24	72,72,72,72	0
56	MG	1A	3221	1/1	0.77	0.23	76,76,76,76	0
56	MG	2a	1665	1/1	0.77	0.37	87,87,87,87	0
56	MG	2t	201	1/1	0.77	0.20	69,69,69,69	0
56	MG	1a	1698	1/1	0.77	0.26	94,94,94,94	0
56	MG	1a	1798	1/1	0.78	0.13	80,80,80,80	0
56	MG	1a	1804	1/1	0.78	0.18	65,65,65,65	0
56	MG	2A	3553	1/1	0.78	0.22	75,75,75,75	0
56	MG	2A	3570	1/1	0.78	0.12	81,81,81,81	0
56	MG	2A	3232	1/1	0.78	0.09	65,65,65,65	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	2B	211	1/1	0.78	0.18	78,78,78,78	0
56	MG	1A	3892	1/1	0.78	0.09	98,98,98,98	0
56	MG	2A	3325	1/1	0.78	0.11	89,89,89,89	0
56	MG	1A	3787	1/1	0.78	0.14	78,78,78,78	0
56	MG	2A	3371	1/1	0.78	0.19	91,91,91,91	0
56	MG	1A	3227	1/1	0.78	0.12	62,62,62,62	0
56	MG	2A	3424	1/1	0.78	0.12	78,78,78,78	0
56	MG	1a	1841	1/1	0.78	0.13	82,82,82,82	0
56	MG	2A	3043	1/1	0.78	0.18	58,58,58,58	0
56	MG	1a	1755	1/1	0.78	0.22	87,87,87,87	0
56	MG	2A	3052	1/1	0.78	0.17	64,64,64,64	0
56	MG	2A	3466	1/1	0.78	0.20	77,77,77,77	0
56	MG	1a	1641	1/1	0.78	0.31	76,76,76,76	0
56	MG	1A	3868	1/1	0.78	0.11	87,87,87,87	0
56	MG	1a	1908	1/1	0.78	0.25	63,63,63,63	0
56	MG	2a	1644	1/1	0.78	0.28	74,74,74,74	0
56	MG	2A	3084	1/1	0.78	0.14	90,90,90,90	0
56	MG	2a	1653	1/1	0.78	0.29	67,67,67,67	0
56	MG	2A	3086	1/1	0.78	0.32	78,78,78,78	0
56	MG	2a	1660	1/1	0.78	0.28	78,78,78,78	0
56	MG	1A	3870	1/1	0.78	0.14	58,58,58,58	0
56	MG	1A	3101	1/1	0.78	0.15	94,94,94,94	0
56	MG	2a	1673	1/1	0.78	0.20	76,76,76,76	0
56	MG	1A	3349	1/1	0.78	0.24	60,60,60,60	0
56	MG	1A	3650	1/1	0.78	0.30	66,66,66,66	0
56	MG	1e	204	1/1	0.78	0.20	84,84,84,84	0
56	MG	1A	3888	1/1	0.78	0.13	72,72,72,72	0
56	MG	2A	3531	1/1	0.78	0.12	89,89,89,89	0
56	MG	1a	1797	1/1	0.78	0.22	67,67,67,67	0
56	MG	2a	1769	1/1	0.79	0.09	90,90,90,90	0
56	MG	1A	3420	1/1	0.79	0.31	56,56,56,56	0
56	MG	1A	3130	1/1	0.79	0.15	73,73,73,73	0
56	MG	1A	3565	1/1	0.79	0.11	60,60,60,60	0
56	MG	2A	3545	1/1	0.79	0.20	68,68,68,68	0
56	MG	1A	3827	1/1	0.79	0.12	63,63,63,63	0
56	MG	2A	3462	1/1	0.79	0.13	89,89,89,89	0
56	MG	2B	205	1/1	0.79	0.14	81,81,81,81	0
56	MG	2a	1810	1/1	0.79	0.33	58,58,58,58	0
56	MG	1A	3811	1/1	0.79	0.09	93,93,93,93	0
56	MG	1x	106	1/1	0.79	0.33	92,92,92,92	0
56	MG	1a	1785	1/1	0.79	0.16	79,79,79,79	0
56	MG	2A	3190	1/1	0.79	0.11	75,75,75,75	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	1a	1904	1/1	0.79	0.06	100,100,100,100	0
56	MG	1a	1716	1/1	0.79	0.24	82,82,82,82	0
56	MG	1A	3873	1/1	0.79	0.13	71,71,71,71	0
56	MG	1a	1910	1/1	0.79	0.10	96,96,96,96	0
56	MG	2a	1701	1/1	0.79	0.19	83,83,83,83	0
56	MG	1A	3592	1/1	0.79	0.12	73,73,73,73	0
56	MG	2A	3512	1/1	0.79	0.25	82,82,82,82	0
56	MG	1a	1726	1/1	0.79	0.16	69,69,69,69	0
56	MG	1A	3765	1/1	0.79	0.20	57,57,57,57	0
56	MG	2a	1891	1/1	0.79	0.18	76,76,76,76	0
56	MG	2a	1727	1/1	0.79	0.10	69,69,69,69	0
56	MG	2a	1732	1/1	0.79	0.12	88,88,88,88	0
56	MG	2a	1903	1/1	0.79	0.11	93,93,93,93	0
56	MG	2a	1621	1/1	0.79	0.18	100,100,100,100	0
56	MG	1a	1659	1/1	0.79	0.28	57,57,57,57	0
56	MG	2A	3415	1/1	0.79	0.28	48,48,48,48	0
56	MG	1a	1693	1/1	0.79	0.12	84,84,84,84	0
56	MG	2a	1610	1/1	0.80	0.27	78,78,78,78	0
56	MG	2a	1739	1/1	0.80	0.46	98,98,98,98	0
56	MG	2A	3199	1/1	0.80	0.21	67,67,67,67	0
56	MG	1a	1795	1/1	0.80	0.17	71,71,71,71	0
56	MG	2A	3208	1/1	0.80	0.18	51,51,51,51	0
56	MG	2A	3224	1/1	0.80	0.13	73,73,73,73	0
56	MG	2a	1768	1/1	0.80	0.32	79,79,79,79	0
56	MG	1a	1634	1/1	0.80	0.17	70,70,70,70	0
56	MG	2a	1770	1/1	0.80	0.41	84,84,84,84	0
56	MG	1A	3359	1/1	0.80	0.11	62,62,62,62	0
56	MG	2a	1622	1/1	0.80	0.24	83,83,83,83	0
56	MG	1A	3391	1/1	0.80	0.18	36,36,36,36	0
56	MG	15	102	1/1	0.80	0.17	48,48,48,48	0
56	MG	1A	3002	1/1	0.80	0.16	62,62,62,62	0
56	MG	2A	3391	1/1	0.80	0.23	78,78,78,78	0
56	MG	2A	3532	1/1	0.80	0.21	52,52,52,52	0
56	MG	1a	1827	1/1	0.80	0.17	79,79,79,79	0
56	MG	2A	3535	1/1	0.80	0.12	90,90,90,90	0
56	MG	1A	3441	1/1	0.80	0.25	64,64,64,64	0
56	MG	1A	3004	1/1	0.80	0.13	78,78,78,78	0
56	MG	2A	3112	1/1	0.80	0.22	65,65,65,65	0
56	MG	2A	3547	1/1	0.80	0.12	89,89,89,89	0
56	MG	2a	1671	1/1	0.80	0.14	62,62,62,62	0
56	MG	1q	201	1/1	0.80	0.27	82,82,82,82	0
56	MG	2A	3569	1/1	0.80	0.18	88,88,88,88	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	2a	1860	1/1	0.80	0.15	83,83,83,83	0
56	MG	2a	1868	1/1	0.80	0.26	96,96,96,96	0
56	MG	1A	3348	1/1	0.80	0.21	72,72,72,72	0
56	MG	1a	1896	1/1	0.80	0.54	80,80,80,80	0
56	MG	2B	207	1/1	0.80	0.19	77,77,77,77	0
56	MG	2a	1886	1/1	0.80	0.15	103,103,103,103	0
56	MG	1A	3299	1/1	0.80	0.17	73,73,73,73	0
56	MG	1a	1713	1/1	0.80	0.24	67,67,67,67	0
56	MG	2B	212	1/1	0.80	0.24	75,75,75,75	0
56	MG	1a	1846	1/1	0.80	0.24	74,74,74,74	0
56	MG	2A	3469	1/1	0.80	0.14	76,76,76,76	0
56	MG	2a	1712	1/1	0.80	0.19	64,64,64,64	0
56	MG	2A	3470	1/1	0.80	0.20	59,59,59,59	0
56	MG	1A	3895	1/1	0.80	0.13	79,79,79,79	0
56	MG	2a	1722	1/1	0.80	0.08	74,74,74,74	0
56	MG	1A	3176	1/1	0.80	0.23	66,66,66,66	0
56	MG	2x	101	1/1	0.80	0.23	77,77,77,77	0
56	MG	1A	3799	1/1	0.81	0.10	69,69,69,69	0
56	MG	1B	219	1/1	0.81	0.23	69,69,69,69	0
56	MG	1A	3467	1/1	0.81	0.20	49,49,49,49	0
56	MG	2A	3002	1/1	0.81	0.12	70,70,70,70	0
56	MG	1a	1619	1/1	0.81	0.10	58,58,58,58	0
56	MG	2A	3024	1/1	0.81	0.27	78,78,78,78	0
56	MG	1a	1899	1/1	0.81	0.10	77,77,77,77	0
56	MG	2A	3525	1/1	0.81	0.20	82,82,82,82	0
56	MG	2A	3286	1/1	0.81	0.32	53,53,53,53	0
56	MG	1A	3890	1/1	0.81	0.10	78,78,78,78	0
56	MG	1a	1754	1/1	0.81	0.41	79,79,79,79	0
56	MG	2a	1643	1/1	0.81	0.20	76,76,76,76	0
56	MG	2A	3367	1/1	0.81	0.28	66,66,66,66	0
56	MG	2A	3370	1/1	0.81	0.16	52,52,52,52	0
56	MG	1A	3202	1/1	0.81	0.10	83,83,83,83	0
56	MG	2A	3055	1/1	0.81	0.26	70,70,70,70	0
56	MG	1a	1763	1/1	0.81	0.22	81,81,81,81	0
56	MG	1A	3314	1/1	0.81	0.20	77,77,77,77	0
56	MG	1a	1851	1/1	0.81	0.11	74,74,74,74	0
56	MG	2A	3560	1/1	0.81	0.24	90,90,90,90	0
56	MG	2A	3565	1/1	0.81	0.13	72,72,72,72	0
56	MG	2A	3425	1/1	0.81	0.27	81,81,81,81	0
56	MG	1a	1681	1/1	0.81	0.26	67,67,67,67	0
56	MG	2a	1847	1/1	0.81	0.16	84,84,84,84	0
56	MG	1a	1689	1/1	0.81	0.11	72,72,72,72	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	2B	206	1/1	0.81	0.14	78,78,78,78	0
56	MG	2a	1690	1/1	0.81	0.18	97,97,97,97	0
56	MG	1A	3393	1/1	0.81	0.14	57,57,57,57	0
56	MG	2B	208	1/1	0.81	0.14	70,70,70,70	0
56	MG	2a	1881	1/1	0.81	0.15	89,89,89,89	0
56	MG	1A	3584	1/1	0.81	0.14	69,69,69,69	0
56	MG	1R	202	1/1	0.81	0.15	71,71,71,71	0
56	MG	2a	1708	1/1	0.81	0.33	79,79,79,79	0
56	MG	1l	201	1/1	0.81	0.17	73,73,73,73	0
56	MG	1A	3915	1/1	0.81	0.24	64,64,64,64	0
56	MG	2A	3138	1/1	0.81	0.30	68,68,68,68	0
56	MG	1A	3540	1/1	0.81	0.10	67,67,67,67	0
56	MG	2W	202	1/1	0.81	0.20	71,71,71,71	0
56	MG	1A	3792	1/1	0.81	0.13	51,51,51,51	0
56	MG	1A	3297	1/1	0.81	0.27	78,78,78,78	0
56	MG	2a	1738	1/1	0.81	0.34	77,77,77,77	0
56	MG	1A	3298	1/1	0.81	0.10	73,73,73,73	0
56	MG	2A	3012	1/1	0.82	0.26	68,68,68,68	0
56	MG	2a	1767	1/1	0.82	0.27	85,85,85,85	0
56	MG	2A	3019	1/1	0.82	0.22	61,61,61,61	0
56	MG	2A	3540	1/1	0.82	0.09	79,79,79,79	0
56	MG	2A	3139	1/1	0.82	0.25	75,75,75,75	0
56	MG	2A	3153	1/1	0.82	0.12	77,77,77,77	0
56	MG	2A	3441	1/1	0.82	0.24	71,71,71,71	0
56	MG	2A	3165	1/1	0.82	0.14	64,64,64,64	0
56	MG	2A	3555	1/1	0.82	0.12	83,83,83,83	0
56	MG	13	101	1/1	0.82	0.15	82,82,82,82	0
56	MG	2A	3183	1/1	0.82	0.22	78,78,78,78	0
56	MG	2a	1801	1/1	0.82	0.36	67,67,67,67	0
56	MG	1A	3578	1/1	0.82	0.13	77,77,77,77	0
56	MG	2a	1807	1/1	0.82	0.16	67,67,67,67	0
56	MG	1a	1840	1/1	0.82	0.16	69,69,69,69	0
56	MG	2a	1817	1/1	0.82	0.27	68,68,68,68	0
56	MG	1A	3045	1/1	0.82	0.10	72,72,72,72	0
56	MG	1a	1780	1/1	0.82	0.11	91,91,91,91	0
56	MG	1A	3211	1/1	0.82	0.25	40,40,40,40	0
56	MG	2A	3473	1/1	0.82	0.29	60,60,60,60	0
56	MG	2A	3061	1/1	0.82	0.18	85,85,85,85	0
56	MG	1B	231	1/1	0.82	0.17	83,83,83,83	0
56	MG	2A	3484	1/1	0.82	0.23	85,85,85,85	0
56	MG	2a	1694	1/1	0.82	0.14	73,73,73,73	0
56	MG	2A	3218	1/1	0.82	0.19	66,66,66,66	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	2a	1851	1/1	0.82	0.15	80,80,80,80	0
56	MG	2a	1854	1/1	0.82	0.23	75,75,75,75	0
56	MG	2a	1858	1/1	0.82	0.16	106,106,106,106	0
56	MG	2a	1700	1/1	0.82	0.29	78,78,78,78	0
56	MG	2a	1864	1/1	0.82	0.12	79,79,79,79	0
56	MG	1A	3585	1/1	0.82	0.14	65,65,65,65	0
56	MG	2G	201	1/1	0.82	0.20	82,82,82,82	0
56	MG	2A	3071	1/1	0.82	0.25	62,62,62,62	0
56	MG	1A	3084	1/1	0.82	0.25	82,82,82,82	0
56	MG	2a	1879	1/1	0.82	0.07	104,104,104,104	0
56	MG	1A	3086	1/1	0.82	0.15	62,62,62,62	0
56	MG	1A	3851	1/1	0.82	0.09	66,66,66,66	0
56	MG	1A	3725	1/1	0.82	0.14	75,75,75,75	0
56	MG	2a	1721	1/1	0.82	0.07	72,72,72,72	0
56	MG	2A	3348	1/1	0.82	0.34	65,65,65,65	0
56	MG	2A	3107	1/1	0.82	0.25	69,69,69,69	0
56	MG	1A	3066	1/1	0.82	0.23	39,39,39,39	0
56	MG	2A	3527	1/1	0.82	0.11	74,74,74,74	0
56	MG	1a	1819	1/1	0.82	0.17	82,82,82,82	0
56	MG	1a	1766	1/1	0.82	0.20	71,71,71,71	0
56	MG	2A	3132	1/1	0.82	0.22	47,47,47,47	0
56	MG	2v	102	1/1	0.82	0.22	66,66,66,66	0
56	MG	2A	3534	1/1	0.82	0.22	69,69,69,69	0
56	MG	2a	1761	1/1	0.82	0.11	94,94,94,94	0
57	AKN	1A	3937	40/40	0.82	0.10	46,66,84,92	0
56	MG	1w	102	1/1	0.83	0.13	101,101,101,101	0
56	MG	1A	3841	1/1	0.83	0.12	69,69,69,69	0
56	MG	2A	3175	1/1	0.83	0.14	73,73,73,73	0
56	MG	2a	1764	1/1	0.83	0.23	81,81,81,81	0
56	MG	2a	1766	1/1	0.83	0.16	92,92,92,92	0
56	MG	1A	3074	1/1	0.83	0.21	67,67,67,67	0
56	MG	1A	3389	1/1	0.83	0.09	56,56,56,56	0
56	MG	1a	1880	1/1	0.83	0.10	67,67,67,67	0
56	MG	1A	3142	1/1	0.83	0.31	72,72,72,72	0
56	MG	1W	204	1/1	0.83	0.39	62,62,62,62	0
56	MG	1a	1890	1/1	0.83	0.24	77,77,77,77	0
56	MG	1A	3736	1/1	0.83	0.22	71,71,71,71	0
56	MG	1a	1893	1/1	0.83	0.19	72,72,72,72	0
56	MG	2a	1627	1/1	0.83	0.17	62,62,62,62	0
56	MG	1a	1894	1/1	0.83	0.21	81,81,81,81	0
56	MG	1A	3902	1/1	0.83	0.19	45,45,45,45	0
56	MG	2A	3222	1/1	0.83	0.30	68,68,68,68	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	1A	3545	1/1	0.83	0.17	62,62,62,62	0
56	MG	1A	3338	1/1	0.83	0.20	53,53,53,53	0
56	MG	2A	3245	1/1	0.83	0.30	39,39,39,39	0
56	MG	2A	3246	1/1	0.83	0.34	67,67,67,67	0
56	MG	1A	3046	1/1	0.83	0.06	82,82,82,82	0
56	MG	2A	3057	1/1	0.83	0.23	75,75,75,75	0
56	MG	2A	3293	1/1	0.83	0.28	45,45,45,45	0
56	MG	2A	3317	1/1	0.83	0.19	88,88,88,88	0
56	MG	1B	204	1/1	0.83	0.15	56,56,56,56	0
56	MG	1A	3869	1/1	0.83	0.11	63,63,63,63	0
56	MG	1A	3292	1/1	0.83	0.21	67,67,67,67	0
56	MG	1A	3463	1/1	0.83	0.25	57,57,57,57	0
56	MG	1A	3311	1/1	0.83	0.11	71,71,71,71	0
56	MG	1a	1620	1/1	0.83	0.14	71,71,71,71	0
56	MG	2a	1855	1/1	0.83	0.08	95,95,95,95	0
56	MG	2A	3375	1/1	0.83	0.39	72,72,72,72	0
56	MG	2a	1692	1/1	0.83	0.20	83,83,83,83	0
56	MG	2A	3387	1/1	0.83	0.26	56,56,56,56	0
56	MG	2A	3563	1/1	0.83	0.20	70,70,70,70	0
56	MG	1A	3217	1/1	0.83	0.17	48,48,48,48	0
56	MG	2a	1871	1/1	0.83	0.08	81,81,81,81	0
56	MG	2a	1873	1/1	0.83	0.10	97,97,97,97	0
56	MG	2A	3392	1/1	0.83	0.25	53,53,53,53	0
56	MG	2a	1877	1/1	0.83	0.15	75,75,75,75	0
56	MG	2A	3103	1/1	0.83	0.24	61,61,61,61	0
56	MG	1a	1637	1/1	0.83	0.15	67,67,67,67	0
56	MG	1a	1853	1/1	0.83	0.10	65,65,65,65	0
56	MG	2A	3111	1/1	0.83	0.22	73,73,73,73	0
56	MG	2A	3434	1/1	0.83	0.10	84,84,84,84	0
56	MG	2a	1888	1/1	0.83	0.09	90,90,90,90	0
56	MG	1A	3579	1/1	0.83	0.16	61,61,61,61	0
56	MG	1f	203	1/1	0.83	0.17	83,83,83,83	0
56	MG	1a	1769	1/1	0.83	0.09	93,93,93,93	0
56	MG	2a	1725	1/1	0.83	0.27	82,82,82,82	0
56	MG	2A	3126	1/1	0.83	0.27	54,54,54,54	0
56	MG	1A	3885	1/1	0.83	0.11	63,63,63,63	0
56	MG	1D	305	1/1	0.83	0.17	77,77,77,77	0
56	MG	2A	3465	1/1	0.83	0.11	84,84,84,84	0
56	MG	2a	1741	1/1	0.83	0.07	87,87,87,87	0
56	MG	1a	1682	1/1	0.83	0.15	68,68,68,68	0
56	MG	2a	1747	1/1	0.83	0.09	76,76,76,76	0
56	MG	1A	3836	1/1	0.83	0.14	72,72,72,72	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	1a	1677	1/1	0.84	0.47	80,80,80,80	0
56	MG	1B	226	1/1	0.84	0.28	57,57,57,57	0
56	MG	1A	3822	1/1	0.84	0.13	63,63,63,63	0
56	MG	1B	230	1/1	0.84	0.12	66,66,66,66	0
56	MG	2A	3513	1/1	0.84	0.12	65,65,65,65	0
56	MG	1a	1799	1/1	0.84	0.19	70,70,70,70	0
56	MG	1A	3564	1/1	0.84	0.21	55,55,55,55	0
56	MG	2A	3519	1/1	0.84	0.08	94,94,94,94	0
56	MG	2a	1775	1/1	0.84	0.18	72,72,72,72	0
56	MG	1A	3877	1/1	0.84	0.14	62,62,62,62	0
56	MG	2A	3290	1/1	0.84	0.32	45,45,45,45	0
56	MG	2A	3079	1/1	0.84	0.08	54,54,54,54	0
56	MG	2A	3304	1/1	0.84	0.18	65,65,65,65	0
56	MG	2A	3528	1/1	0.84	0.12	89,89,89,89	0
56	MG	1a	1816	1/1	0.84	0.16	57,57,57,57	0
56	MG	2a	1655	1/1	0.84	0.17	86,86,86,86	0
56	MG	1A	3306	1/1	0.84	0.16	49,49,49,49	0
56	MG	1A	3573	1/1	0.84	0.12	55,55,55,55	0
56	MG	2a	1661	1/1	0.84	0.24	59,59,59,59	0
56	MG	1A	3883	1/1	0.84	0.15	58,58,58,58	0
56	MG	2A	3355	1/1	0.84	0.18	62,62,62,62	0
56	MG	1F	305	1/1	0.84	0.14	78,78,78,78	0
56	MG	1A	3161	1/1	0.84	0.12	50,50,50,50	0
56	MG	1A	3833	1/1	0.84	0.20	52,52,52,52	0
56	MG	2a	1675	1/1	0.84	0.09	101,101,101,101	0
56	MG	1A	3794	1/1	0.84	0.08	70,70,70,70	0
56	MG	2A	3546	1/1	0.84	0.14	95,95,95,95	0
56	MG	1A	3891	1/1	0.84	0.12	85,85,85,85	0
56	MG	2a	1688	1/1	0.84	0.19	92,92,92,92	0
56	MG	1A	3213	1/1	0.84	0.12	53,53,53,53	0
56	MG	1a	1728	1/1	0.84	0.12	60,60,60,60	0
56	MG	2A	3395	1/1	0.84	0.25	60,60,60,60	0
56	MG	2A	3127	1/1	0.84	0.33	61,61,61,61	0
56	MG	2a	1865	1/1	0.84	0.12	85,85,85,85	0
56	MG	2A	3564	1/1	0.84	0.12	62,62,62,62	0
56	MG	1A	3174	1/1	0.84	0.08	85,85,85,85	0
56	MG	1a	1855	1/1	0.84	0.12	70,70,70,70	0
56	MG	2a	1872	1/1	0.84	0.08	80,80,80,80	0
56	MG	1A	3024	1/1	0.84	0.13	69,69,69,69	0
56	MG	1A	3251	1/1	0.84	0.25	64,64,64,64	0
56	MG	2A	3140	1/1	0.84	0.23	58,58,58,58	0
56	MG	1A	3854	1/1	0.84	0.12	86,86,86,86	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	1A	3903	1/1	0.84	0.31	56,56,56,56	0
56	MG	1a	1614	1/1	0.84	0.13	87,87,87,87	0
56	MG	2a	1883	1/1	0.84	0.06	94,94,94,94	0
56	MG	2A	3179	1/1	0.84	0.18	66,66,66,66	0
56	MG	1A	3908	1/1	0.84	0.15	27,27,27,27	0
56	MG	1A	3254	1/1	0.84	0.09	70,70,70,70	0
56	MG	1A	3859	1/1	0.84	0.19	82,82,82,82	0
56	MG	1A	3814	1/1	0.84	0.13	78,78,78,78	0
56	MG	2a	1735	1/1	0.84	0.17	83,83,83,83	0
56	MG	1A	3088	1/1	0.84	0.13	55,55,55,55	0
56	MG	1A	3866	1/1	0.84	0.13	97,97,97,97	0
56	MG	1a	1886	1/1	0.84	0.11	86,86,86,86	0
56	MG	1A	3816	1/1	0.84	0.13	68,68,68,68	0
56	MG	1A	3555	1/1	0.84	0.15	58,58,58,58	0
56	MG	2a	1611	1/1	0.84	0.23	76,76,76,76	0
56	MG	2A	3212	1/1	0.84	0.08	59,59,59,59	0
56	MG	2w	102	1/1	0.84	0.20	85,85,85,85	0
56	MG	1A	3147	1/1	0.84	0.24	42,42,42,42	0
56	MG	2x	102	1/1	0.84	0.17	83,83,83,83	0
56	MG	2a	1616	1/1	0.84	0.14	88,88,88,88	0
56	MG	1A	3452	1/1	0.85	0.36	63,63,63,63	0
56	MG	1a	1699	1/1	0.85	0.17	72,72,72,72	0
56	MG	2A	3427	1/1	0.85	0.14	68,68,68,68	0
56	MG	1A	3831	1/1	0.85	0.12	92,92,92,92	0
56	MG	1A	3080	1/1	0.85	0.17	61,61,61,61	0
56	MG	1A	3224	1/1	0.85	0.14	58,58,58,58	0
56	MG	1A	3470	1/1	0.85	0.16	40,40,40,40	0
56	MG	1a	1711	1/1	0.85	0.24	68,68,68,68	0
56	MG	1A	3478	1/1	0.85	0.40	74,74,74,74	0
56	MG	2A	3463	1/1	0.85	0.23	74,74,74,74	0
56	MG	1A	3534	1/1	0.85	0.09	50,50,50,50	0
56	MG	2A	3150	1/1	0.85	0.19	59,59,59,59	0
56	MG	1A	3205	1/1	0.85	0.16	62,62,62,62	0
56	MG	2A	3161	1/1	0.85	0.26	78,78,78,78	0
56	MG	1p	101	1/1	0.85	0.63	79,79,79,79	0
56	MG	1A	3036	1/1	0.85	0.07	51,51,51,51	0
56	MG	1r	101	1/1	0.85	0.21	70,70,70,70	0
56	MG	1a	1847	1/1	0.85	0.09	66,66,66,66	0
56	MG	1A	3017	1/1	0.85	0.16	66,66,66,66	0
56	MG	2a	1623	1/1	0.85	0.14	103,103,103,103	0
56	MG	2A	3481	1/1	0.85	0.07	69,69,69,69	0
56	MG	19	102	1/1	0.85	0.14	67,67,67,67	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	2A	3485	1/1	0.85	0.15	88,88,88,88	0
56	MG	1A	3538	1/1	0.85	0.10	70,70,70,70	0
56	MG	2A	3498	1/1	0.85	0.12	75,75,75,75	0
56	MG	2A	3194	1/1	0.85	0.14	85,85,85,85	0
56	MG	1A	3912	1/1	0.85	0.15	62,62,62,62	0
56	MG	1x	112	1/1	0.85	0.14	83,83,83,83	0
56	MG	1A	3283	1/1	0.85	0.10	79,79,79,79	0
56	MG	1A	3657	1/1	0.85	0.17	55,55,55,55	0
56	MG	1a	1759	1/1	0.85	0.17	78,78,78,78	0
56	MG	2A	3008	1/1	0.85	0.30	53,53,53,53	0
56	MG	2A	3517	1/1	0.85	0.10	73,73,73,73	0
56	MG	2A	3011	1/1	0.85	0.22	73,73,73,73	0
56	MG	2a	1663	1/1	0.85	0.14	79,79,79,79	0
56	MG	1a	1760	1/1	0.85	0.30	45,45,45,45	0
56	MG	2a	1667	1/1	0.85	0.10	89,89,89,89	0
56	MG	1A	3933	1/1	0.85	0.35	85,85,85,85	0
56	MG	1A	3681	1/1	0.85	0.13	54,54,54,54	0
56	MG	1A	3364	1/1	0.85	0.07	74,74,74,74	0
56	MG	2A	3037	1/1	0.85	0.14	57,57,57,57	0
56	MG	2A	3254	1/1	0.85	0.20	62,62,62,62	0
56	MG	1A	3386	1/1	0.85	0.12	46,46,46,46	0
56	MG	2A	3264	1/1	0.85	0.33	54,54,54,54	0
56	MG	2A	3275	1/1	0.85	0.28	44,44,44,44	0
56	MG	1A	3312	1/1	0.85	0.10	72,72,72,72	0
56	MG	1A	3872	1/1	0.85	0.14	64,64,64,64	0
56	MG	1a	1884	1/1	0.85	0.07	85,85,85,85	0
56	MG	1A	3390	1/1	0.85	0.15	62,62,62,62	0
56	MG	2a	1880	1/1	0.85	0.07	91,91,91,91	0
56	MG	2A	3059	1/1	0.85	0.13	91,91,91,91	0
56	MG	1B	224	1/1	0.85	0.35	65,65,65,65	0
56	MG	1A	3134	1/1	0.85	0.15	63,63,63,63	0
56	MG	2A	3551	1/1	0.85	0.15	69,69,69,69	0
56	MG	1a	1662	1/1	0.85	0.17	63,63,63,63	0
56	MG	1a	1664	1/1	0.85	0.23	65,65,65,65	0
56	MG	1A	3232	1/1	0.85	0.22	60,60,60,60	0
56	MG	1A	3878	1/1	0.85	0.13	71,71,71,71	0
56	MG	1A	3333	1/1	0.85	0.23	57,57,57,57	0
56	MG	1A	3762	1/1	0.85	0.11	48,48,48,48	0
56	MG	2A	3089	1/1	0.85	0.29	59,59,59,59	0
56	MG	1A	3043	1/1	0.85	0.18	95,95,95,95	0
56	MG	2B	202	1/1	0.85	0.14	81,81,81,81	0
56	MG	1a	1800	1/1	0.85	0.08	68,68,68,68	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	1a	1802	1/1	0.85	0.17	88,88,88,88	0
56	MG	2a	1737	1/1	0.85	0.20	63,63,63,63	0
56	MG	1a	1697	1/1	0.85	0.14	74,74,74,74	0
56	MG	2A	3416	1/1	0.85	0.11	65,65,65,65	0
56	MG	1a	1809	1/1	0.85	0.15	83,83,83,83	0
56	MG	1A	3132	1/1	0.86	0.15	80,80,80,80	0
56	MG	2A	3144	1/1	0.86	0.29	56,56,56,56	0
56	MG	2a	1636	1/1	0.86	0.10	93,93,93,93	0
56	MG	1A	3321	1/1	0.86	0.17	65,65,65,65	0
56	MG	1A	3561	1/1	0.86	0.09	72,72,72,72	0
56	MG	1A	3422	1/1	0.86	0.19	61,61,61,61	0
56	MG	1A	3797	1/1	0.86	0.24	80,80,80,80	0
56	MG	2a	1651	1/1	0.86	0.12	92,92,92,92	0
56	MG	1A	3927	1/1	0.86	0.13	84,84,84,84	0
56	MG	1a	1767	1/1	0.86	0.12	71,71,71,71	0
56	MG	2a	1797	1/1	0.86	0.37	68,68,68,68	0
56	MG	1a	1696	1/1	0.86	0.07	50,50,50,50	0
56	MG	1A	3195	1/1	0.86	0.28	56,56,56,56	0
56	MG	1A	3570	1/1	0.86	0.18	61,61,61,61	0
56	MG	1A	3837	1/1	0.86	0.08	60,60,60,60	0
56	MG	1A	3839	1/1	0.86	0.16	55,55,55,55	0
56	MG	2A	3433	1/1	0.86	0.46	64,64,64,64	0
56	MG	2a	1818	1/1	0.86	0.18	73,73,73,73	0
56	MG	2A	3548	1/1	0.86	0.14	88,88,88,88	0
56	MG	2a	1668	1/1	0.86	0.27	61,61,61,61	0
56	MG	2a	1670	1/1	0.86	0.15	88,88,88,88	0
56	MG	1A	3642	1/1	0.86	0.08	42,42,42,42	0
56	MG	2A	3435	1/1	0.86	0.21	69,69,69,69	0
56	MG	1A	3803	1/1	0.86	0.10	55,55,55,55	0
56	MG	1e	205	1/1	0.86	0.13	69,69,69,69	0
56	MG	2A	3443	1/1	0.86	0.18	69,69,69,69	0
56	MG	2a	1843	1/1	0.86	0.10	65,65,65,65	0
56	MG	1A	3029	1/1	0.86	0.31	48,48,48,48	0
56	MG	2A	3452	1/1	0.86	0.21	70,70,70,70	0
56	MG	2A	3078	1/1	0.86	0.30	62,62,62,62	0
56	MG	1A	3778	1/1	0.86	0.26	60,60,60,60	0
56	MG	2a	1856	1/1	0.86	0.13	66,66,66,66	0
56	MG	2a	1857	1/1	0.86	0.13	63,63,63,63	0
56	MG	2A	3214	1/1	0.86	0.17	74,74,74,74	0
56	MG	1A	3853	1/1	0.86	0.09	84,84,84,84	0
56	MG	1A	3782	1/1	0.86	0.17	75,75,75,75	0
56	MG	2A	3085	1/1	0.86	0.28	65,65,65,65	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	2A	3229	1/1	0.86	0.21	70,70,70,70	0
56	MG	2A	3231	1/1	0.86	0.12	82,82,82,82	0
56	MG	1A	3454	1/1	0.86	0.32	45,45,45,45	0
56	MG	1p	103	1/1	0.86	0.48	86,86,86,86	0
56	MG	1A	3458	1/1	0.86	0.18	45,45,45,45	0
56	MG	1A	3553	1/1	0.86	0.22	58,58,58,58	0
56	MG	2A	3479	1/1	0.86	0.13	60,60,60,60	0
56	MG	2O	201	1/1	0.86	0.17	67,67,67,67	0
56	MG	1a	1727	1/1	0.86	0.08	83,83,83,83	0
56	MG	1D	304	1/1	0.86	0.35	50,50,50,50	0
56	MG	1A	3896	1/1	0.86	0.13	69,69,69,69	0
56	MG	1a	1812	1/1	0.86	0.12	83,83,83,83	0
56	MG	1a	1888	1/1	0.86	0.20	84,84,84,84	0
56	MG	2a	1734	1/1	0.86	0.16	78,78,78,78	0
56	MG	1x	108	1/1	0.86	0.34	64,64,64,64	0
56	MG	1A	3821	1/1	0.86	0.12	64,64,64,64	0
56	MG	2a	1614	1/1	0.86	0.16	86,86,86,86	0
56	MG	2A	3131	1/1	0.86	0.25	60,60,60,60	0
56	MG	1a	1891	1/1	0.86	0.26	85,85,85,85	0
56	MG	2a	1894	1/1	0.86	0.09	82,82,82,82	0
56	MG	2a	1895	1/1	0.86	0.24	54,54,54,54	0
56	MG	2a	1898	1/1	0.86	0.18	78,78,78,78	0
56	MG	2A	3335	1/1	0.86	0.33	44,44,44,44	0
56	MG	2A	3133	1/1	0.86	0.11	72,72,72,72	0
56	MG	2a	1749	1/1	0.86	0.11	77,77,77,77	0
56	MG	2a	1750	1/1	0.86	0.32	68,68,68,68	0
56	MG	1A	3581	1/1	0.86	0.18	71,71,71,71	0
56	MG	1a	1822	1/1	0.86	0.12	63,63,63,63	0
56	MG	2A	3363	1/1	0.86	0.42	55,55,55,55	0
56	MG	2A	3366	1/1	0.86	0.23	47,47,47,47	0
56	MG	2A	3524	1/1	0.86	0.10	86,86,86,86	0
56	MG	1a	1663	1/1	0.86	0.14	60,60,60,60	0
56	MG	1A	3424	1/1	0.87	0.23	24,24,24,24	0
56	MG	1b	301	1/1	0.87	0.19	84,84,84,84	0
56	MG	1A	3881	1/1	0.87	0.11	71,71,71,71	0
56	MG	2A	3189	1/1	0.87	0.26	72,72,72,72	0
56	MG	1a	1860	1/1	0.87	0.16	70,70,70,70	0
56	MG	1a	1710	1/1	0.87	0.14	82,82,82,82	0
56	MG	1A	3924	1/1	0.87	0.17	69,69,69,69	0
56	MG	1a	1870	1/1	0.87	0.13	82,82,82,82	0
56	MG	1A	3006	1/1	0.87	0.14	67,67,67,67	0
56	MG	1A	3065	1/1	0.87	0.31	72,72,72,72	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	1a	1639	1/1	0.87	0.25	69,69,69,69	0
56	MG	1A	3659	1/1	0.87	0.15	77,77,77,77	0
56	MG	2a	1816	1/1	0.87	0.26	62,62,62,62	0
56	MG	1a	1877	1/1	0.87	0.07	71,71,71,71	0
56	MG	1a	1642	1/1	0.87	0.27	65,65,65,65	0
56	MG	2A	3221	1/1	0.87	0.21	72,72,72,72	0
56	MG	1N	202	1/1	0.87	0.09	57,57,57,57	0
56	MG	2a	1677	1/1	0.87	0.24	70,70,70,70	0
56	MG	2A	3105	1/1	0.87	0.15	79,79,79,79	0
56	MG	1a	1807	1/1	0.87	0.10	72,72,72,72	0
56	MG	1A	3802	1/1	0.87	0.12	82,82,82,82	0
56	MG	2A	3109	1/1	0.87	0.25	70,70,70,70	0
56	MG	1A	3832	1/1	0.87	0.07	88,88,88,88	0
56	MG	1A	3282	1/1	0.87	0.09	90,90,90,90	0
56	MG	2A	3248	1/1	0.87	0.31	43,43,43,43	0
56	MG	1a	1666	1/1	0.87	0.21	65,65,65,65	0
56	MG	1a	1674	1/1	0.87	0.31	51,51,51,51	0
56	MG	2a	1696	1/1	0.87	0.57	68,68,68,68	0
56	MG	2A	3120	1/1	0.87	0.21	50,50,50,50	0
56	MG	2A	3123	1/1	0.87	0.24	58,58,58,58	0
56	MG	2A	3278	1/1	0.87	0.33	44,44,44,44	0
56	MG	1a	1889	1/1	0.87	0.10	74,74,74,74	0
56	MG	2F	301	1/1	0.87	0.07	50,50,50,50	0
56	MG	2a	1711	1/1	0.87	0.11	74,74,74,74	0
56	MG	2a	1867	1/1	0.87	0.08	62,62,62,62	0
56	MG	1A	3560	1/1	0.87	0.09	63,63,63,63	0
56	MG	2a	1715	1/1	0.87	0.10	86,86,86,86	0
56	MG	2a	1870	1/1	0.87	0.14	72,72,72,72	0
56	MG	1a	1826	1/1	0.87	0.08	53,53,53,53	0
56	MG	2A	3294	1/1	0.87	0.29	58,58,58,58	0
56	MG	2A	3301	1/1	0.87	0.33	54,54,54,54	0
56	MG	2A	3496	1/1	0.87	0.24	75,75,75,75	0
56	MG	2a	1876	1/1	0.87	0.18	82,82,82,82	0
56	MG	2a	1606	1/1	0.87	0.18	67,67,67,67	0
56	MG	2A	3497	1/1	0.87	0.07	88,88,88,88	0
56	MG	2a	1731	1/1	0.87	0.06	96,96,96,96	0
56	MG	1a	1680	1/1	0.87	0.24	67,67,67,67	0
56	MG	2A	3500	1/1	0.87	0.18	58,58,58,58	0
56	MG	2A	3306	1/1	0.87	0.34	38,38,38,38	0
56	MG	2a	1885	1/1	0.87	0.12	84,84,84,84	0
56	MG	1a	1828	1/1	0.87	0.08	85,85,85,85	0
56	MG	1A	3010	1/1	0.87	0.16	72,72,72,72	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	2A	3330	1/1	0.87	0.30	54,54,54,54	0
56	MG	1B	220	1/1	0.87	0.22	42,42,42,42	0
56	MG	2a	1890	1/1	0.87	0.13	105,105,105,105	0
56	MG	1A	3322	1/1	0.87	0.18	54,54,54,54	0
56	MG	2A	3515	1/1	0.87	0.19	67,67,67,67	0
56	MG	1a	1604	1/1	0.87	0.26	56,56,56,56	0
56	MG	1A	3708	1/1	0.87	0.17	60,60,60,60	0
56	MG	1A	3071	1/1	0.87	0.16	70,70,70,70	0
56	MG	2a	1754	1/1	0.87	0.05	83,83,83,83	0
56	MG	2a	1755	1/1	0.87	0.21	73,73,73,73	0
56	MG	1a	1902	1/1	0.87	0.19	83,83,83,83	0
56	MG	2A	3158	1/1	0.87	0.18	70,70,70,70	0
56	MG	2d	301	1/1	0.87	0.07	82,82,82,82	0
56	MG	2m	201	1/1	0.87	0.27	80,80,80,80	0
56	MG	1A	3355	1/1	0.87	0.18	58,58,58,58	0
56	MG	2t	202	1/1	0.87	0.12	79,79,79,79	0
56	MG	1A	3206	1/1	0.87	0.22	59,59,59,59	0
56	MG	1B	232	1/1	0.87	0.13	78,78,78,78	0
56	MG	2A	3377	1/1	0.87	0.23	74,74,74,74	0
56	MG	2A	3530	1/1	0.87	0.27	68,68,68,68	0
56	MG	2A	3177	1/1	0.87	0.20	77,77,77,77	0
56	MG	1A	3623	1/1	0.87	0.10	52,52,52,52	0
56	MG	2A	3053	1/1	0.88	0.17	44,44,44,44	0
56	MG	1A	3012	1/1	0.88	0.21	54,54,54,54	0
56	MG	1A	3884	1/1	0.88	0.15	69,69,69,69	0
56	MG	2A	3226	1/1	0.88	0.26	44,44,44,44	0
56	MG	1A	3138	1/1	0.88	0.23	71,71,71,71	0
56	MG	1A	3287	1/1	0.88	0.34	69,69,69,69	0
56	MG	2A	3489	1/1	0.88	0.28	69,69,69,69	0
56	MG	1A	3594	1/1	0.88	0.11	76,76,76,76	0
56	MG	2a	1773	1/1	0.88	0.08	72,72,72,72	0
56	MG	2A	3065	1/1	0.88	0.21	59,59,59,59	0
56	MG	1A	3598	1/1	0.88	0.12	47,47,47,47	0
56	MG	2A	3247	1/1	0.88	0.22	51,51,51,51	0
56	MG	1A	3032	1/1	0.88	0.20	58,58,58,58	0
56	MG	2a	1786	1/1	0.88	0.10	70,70,70,70	0
56	MG	2A	3251	1/1	0.88	0.21	55,55,55,55	0
56	MG	1A	3843	1/1	0.88	0.07	68,68,68,68	0
56	MG	1A	3436	1/1	0.88	0.16	70,70,70,70	0
56	MG	1a	1806	1/1	0.88	0.55	80,80,80,80	0
56	MG	2a	1650	1/1	0.88	0.24	56,56,56,56	0
56	MG	2a	1806	1/1	0.88	0.22	63,63,63,63	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	1A	3440	1/1	0.88	0.26	58,58,58,58	0
56	MG	1A	3068	1/1	0.88	0.25	44,44,44,44	0
56	MG	2a	1812	1/1	0.88	0.27	61,61,61,61	0
56	MG	2a	1813	1/1	0.88	0.16	61,61,61,61	0
56	MG	2A	3281	1/1	0.88	0.30	38,38,38,38	0
56	MG	1A	3556	1/1	0.88	0.11	70,70,70,70	0
56	MG	10	102	1/1	0.88	0.13	69,69,69,69	0
56	MG	2a	1821	1/1	0.88	0.08	82,82,82,82	0
56	MG	2A	3090	1/1	0.88	0.26	61,61,61,61	0
56	MG	2A	3102	1/1	0.88	0.26	61,61,61,61	0
56	MG	12	101	1/1	0.88	0.09	68,68,68,68	0
56	MG	1a	1818	1/1	0.88	0.23	56,56,56,56	0
56	MG	1A	3236	1/1	0.88	0.10	65,65,65,65	0
56	MG	1a	1909	1/1	0.88	0.11	85,85,85,85	0
56	MG	2A	3323	1/1	0.88	0.09	87,87,87,87	0
56	MG	1A	3686	1/1	0.88	0.10	68,68,68,68	0
56	MG	1a	1823	1/1	0.88	0.12	79,79,79,79	0
56	MG	2A	3331	1/1	0.88	0.42	60,60,60,60	0
56	MG	2a	1849	1/1	0.88	0.15	81,81,81,81	0
56	MG	1A	3034	1/1	0.88	0.32	65,65,65,65	0
56	MG	18	101	1/1	0.88	0.29	58,58,58,58	0
56	MG	18	102	1/1	0.88	0.07	60,60,60,60	0
56	MG	1A	3248	1/1	0.88	0.12	62,62,62,62	0
56	MG	2A	3356	1/1	0.88	0.16	56,56,56,56	0
56	MG	2a	1687	1/1	0.88	0.10	97,97,97,97	0
56	MG	1a	1717	1/1	0.88	0.07	100,100,100,100	0
56	MG	2a	1861	1/1	0.88	0.14	91,91,91,91	0
56	MG	1a	1603	1/1	0.88	0.15	61,61,61,61	0
56	MG	1A	3014	1/1	0.88	0.23	64,64,64,64	0
56	MG	1a	1605	1/1	0.88	0.23	66,66,66,66	0
56	MG	1a	1607	1/1	0.88	0.13	77,77,77,77	0
56	MG	1A	3865	1/1	0.88	0.09	61,61,61,61	0
56	MG	1a	1729	1/1	0.88	0.18	72,72,72,72	0
56	MG	2a	1698	1/1	0.88	0.07	70,70,70,70	0
56	MG	1A	3061	1/1	0.88	0.24	75,75,75,75	0
56	MG	1A	3932	1/1	0.88	0.12	62,62,62,62	0
56	MG	1A	3181	1/1	0.88	0.13	35,35,35,35	0
56	MG	1A	3374	1/1	0.88	0.18	44,44,44,44	0
56	MG	2A	3401	1/1	0.88	0.25	39,39,39,39	0
56	MG	2A	3149	1/1	0.88	0.25	74,74,74,74	0
56	MG	1A	3523	1/1	0.88	0.12	61,61,61,61	0
56	MG	1a	1862	1/1	0.88	0.16	70,70,70,70	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	1A	3532	1/1	0.88	0.11	69,69,69,69	0
56	MG	1A	3743	1/1	0.88	0.17	57,57,57,57	0
56	MG	1a	1869	1/1	0.88	0.16	96,96,96,96	0
56	MG	1B	212	1/1	0.88	0.28	74,74,74,74	0
56	MG	2a	1723	1/1	0.88	0.18	71,71,71,71	0
56	MG	1a	1871	1/1	0.88	0.23	59,59,59,59	0
56	MG	1B	213	1/1	0.88	0.26	61,61,61,61	0
56	MG	1A	3874	1/1	0.88	0.08	57,57,57,57	0
56	MG	2A	3004	1/1	0.88	0.19	65,65,65,65	0
56	MG	1A	3382	1/1	0.88	0.29	51,51,51,51	0
56	MG	2D	306	1/1	0.88	0.09	57,57,57,57	0
56	MG	2A	3009	1/1	0.88	0.11	60,60,60,60	0
56	MG	2A	3010	1/1	0.88	0.16	64,64,64,64	0
56	MG	1A	3876	1/1	0.88	0.16	71,71,71,71	0
56	MG	1A	3184	1/1	0.88	0.30	48,48,48,48	0
56	MG	1a	1771	1/1	0.88	0.10	89,89,89,89	0
56	MG	1a	1775	1/1	0.88	0.12	90,90,90,90	0
56	MG	2a	1748	1/1	0.88	0.10	83,83,83,83	0
56	MG	1A	3267	1/1	0.88	0.12	62,62,62,62	0
56	MG	1A	3770	1/1	0.88	0.22	58,58,58,58	0
56	MG	2A	3467	1/1	0.88	0.33	66,66,66,66	0
56	MG	2a	1753	1/1	0.88	0.06	79,79,79,79	0
56	MG	2A	3211	1/1	0.88	0.08	74,74,74,74	0
56	MG	1A	3193	1/1	0.88	0.13	58,58,58,58	0
56	MG	2a	1757	1/1	0.88	0.22	66,66,66,66	0
56	MG	1a	1885	1/1	0.88	0.10	77,77,77,77	0
56	MG	2x	106	1/1	0.88	0.17	72,72,72,72	0
56	MG	1A	3040	1/1	0.88	0.16	67,67,67,67	0
56	MG	2a	1719	1/1	0.89	0.11	82,82,82,82	0
56	MG	1A	3840	1/1	0.89	0.10	69,69,69,69	0
56	MG	1a	1616	1/1	0.89	0.22	86,86,86,86	0
56	MG	2A	3066	1/1	0.89	0.17	76,76,76,76	0
56	MG	1A	3749	1/1	0.89	0.12	42,42,42,42	0
56	MG	2A	3287	1/1	0.89	0.37	40,40,40,40	0
56	MG	1A	3758	1/1	0.89	0.18	72,72,72,72	0
56	MG	2A	3073	1/1	0.89	0.17	49,49,49,49	0
56	MG	1A	3562	1/1	0.89	0.09	71,71,71,71	0
56	MG	2A	3541	1/1	0.89	0.08	90,90,90,90	0
56	MG	2A	3298	1/1	0.89	0.09	78,78,78,78	0
56	MG	2a	1736	1/1	0.89	0.10	89,89,89,89	0
56	MG	1A	3016	1/1	0.89	0.28	47,47,47,47	0
56	MG	1a	1624	1/1	0.89	0.10	49,49,49,49	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	1a	1628	1/1	0.89	0.24	89,89,89,89	0
56	MG	2a	1740	1/1	0.89	0.06	79,79,79,79	0
56	MG	1A	3163	1/1	0.89	0.29	39,39,39,39	0
56	MG	2A	3322	1/1	0.89	0.08	77,77,77,77	0
56	MG	2A	3552	1/1	0.89	0.15	77,77,77,77	0
56	MG	1a	1774	1/1	0.89	0.07	79,79,79,79	0
56	MG	2A	3554	1/1	0.89	0.07	80,80,80,80	0
56	MG	1A	3766	1/1	0.89	0.19	56,56,56,56	0
56	MG	1A	3252	1/1	0.89	0.09	59,59,59,59	0
56	MG	2A	3561	1/1	0.89	0.19	88,88,88,88	0
56	MG	1A	3169	1/1	0.89	0.11	68,68,68,68	0
56	MG	1a	1778	1/1	0.89	0.07	71,71,71,71	0
56	MG	2A	3339	1/1	0.89	0.22	66,66,66,66	0
56	MG	1a	1779	1/1	0.89	0.10	87,87,87,87	0
56	MG	1A	3577	1/1	0.89	0.13	54,54,54,54	0
56	MG	2A	3351	1/1	0.89	0.28	57,57,57,57	0
56	MG	1a	1784	1/1	0.89	0.22	63,63,63,63	0
56	MG	1a	1644	1/1	0.89	0.10	61,61,61,61	0
56	MG	2A	3357	1/1	0.89	0.31	42,42,42,42	0
56	MG	1a	1648	1/1	0.89	0.13	68,68,68,68	0
56	MG	1a	1794	1/1	0.89	0.14	63,63,63,63	0
56	MG	1a	1649	1/1	0.89	0.21	66,66,66,66	0
56	MG	1a	1906	1/1	0.89	0.17	84,84,84,84	0
56	MG	2A	3119	1/1	0.89	0.16	73,73,73,73	0
56	MG	2A	3374	1/1	0.89	0.22	67,67,67,67	0
56	MG	2D	303	1/1	0.89	0.07	44,44,44,44	0
56	MG	2D	305	1/1	0.89	0.10	70,70,70,70	0
56	MG	1a	1652	1/1	0.89	0.19	64,64,64,64	0
56	MG	2A	3376	1/1	0.89	0.28	58,58,58,58	0
56	MG	1A	3058	1/1	0.89	0.27	64,64,64,64	0
56	MG	1A	3473	1/1	0.89	0.24	56,56,56,56	0
56	MG	2a	1798	1/1	0.89	0.31	55,55,55,55	0
56	MG	2a	1799	1/1	0.89	0.42	56,56,56,56	0
56	MG	1A	3477	1/1	0.89	0.31	57,57,57,57	0
56	MG	2A	3130	1/1	0.89	0.29	60,60,60,60	0
56	MG	2I	101	1/1	0.89	0.13	72,72,72,72	0
56	MG	1A	3308	1/1	0.89	0.08	56,56,56,56	0
56	MG	2A	3397	1/1	0.89	0.19	32,32,32,32	0
56	MG	1A	3479	1/1	0.89	0.21	57,57,57,57	0
56	MG	1a	1669	1/1	0.89	0.20	58,58,58,58	0
56	MG	1A	3790	1/1	0.89	0.11	65,65,65,65	0
56	MG	2a	1814	1/1	0.89	0.25	50,50,50,50	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	2A	3137	1/1	0.89	0.14	63,63,63,63	0
56	MG	1A	3484	1/1	0.89	0.16	64,64,64,64	0
56	MG	1A	3490	1/1	0.89	0.15	50,50,50,50	0
56	MG	2a	1819	1/1	0.89	0.15	60,60,60,60	0
56	MG	1A	3494	1/1	0.89	0.34	50,50,50,50	0
56	MG	2a	1824	1/1	0.89	0.09	83,83,83,83	0
56	MG	1A	3500	1/1	0.89	0.41	40,40,40,40	0
56	MG	1a	1688	1/1	0.89	0.11	68,68,68,68	0
56	MG	1A	3376	1/1	0.89	0.31	43,43,43,43	0
56	MG	2A	3437	1/1	0.89	0.07	87,87,87,87	0
56	MG	2a	1834	1/1	0.89	0.21	73,73,73,73	0
56	MG	2A	3152	1/1	0.89	0.15	60,60,60,60	0
56	MG	1a	1692	1/1	0.89	0.15	62,62,62,62	0
56	MG	1A	3524	1/1	0.89	0.07	57,57,57,57	0
56	MG	1a	1694	1/1	0.89	0.25	64,64,64,64	0
56	MG	2A	3163	1/1	0.89	0.35	55,55,55,55	0
56	MG	1a	1825	1/1	0.89	0.13	58,58,58,58	0
56	MG	2A	3457	1/1	0.89	0.18	64,64,64,64	0
56	MG	2a	1850	1/1	0.89	0.28	67,67,67,67	0
56	MG	2A	3169	1/1	0.89	0.08	72,72,72,72	0
56	MG	2a	1640	1/1	0.89	0.09	58,58,58,58	0
56	MG	2A	3171	1/1	0.89	0.12	88,88,88,88	0
56	MG	1A	3013	1/1	0.89	0.14	84,84,84,84	0
56	MG	1A	3615	1/1	0.89	0.13	47,47,47,47	0
56	MG	1A	3620	1/1	0.89	0.21	42,42,42,42	0
56	MG	1A	3265	1/1	0.89	0.07	57,57,57,57	0
56	MG	1N	204	1/1	0.89	0.08	56,56,56,56	0
56	MG	2a	1862	1/1	0.89	0.11	75,75,75,75	0
56	MG	1A	3626	1/1	0.89	0.14	58,58,58,58	0
56	MG	1A	3108	1/1	0.89	0.12	62,62,62,62	0
56	MG	2A	3471	1/1	0.89	0.22	67,67,67,67	0
56	MG	1A	3317	1/1	0.89	0.19	52,52,52,52	0
56	MG	1A	3319	1/1	0.89	0.17	77,77,77,77	0
56	MG	2A	3477	1/1	0.89	0.20	58,58,58,58	0
56	MG	1y	101	1/1	0.89	0.17	67,67,67,67	0
56	MG	1A	3819	1/1	0.89	0.15	55,55,55,55	0
56	MG	1A	3278	1/1	0.89	0.13	54,54,54,54	0
56	MG	2A	3203	1/1	0.89	0.09	66,66,66,66	0
56	MG	1A	3395	1/1	0.89	0.25	43,43,43,43	0
56	MG	2A	3486	1/1	0.89	0.24	50,50,50,50	0
56	MG	1A	3400	1/1	0.89	0.20	34,34,34,34	0
56	MG	2A	3491	1/1	0.89	0.11	70,70,70,70	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	2a	1676	1/1	0.89	0.11	72,72,72,72	0
56	MG	1a	1719	1/1	0.89	0.07	54,54,54,54	0
56	MG	2a	1678	1/1	0.89	0.08	85,85,85,85	0
56	MG	1A	3041	1/1	0.89	0.14	56,56,56,56	0
56	MG	1a	1857	1/1	0.89	0.20	66,66,66,66	0
56	MG	2a	1684	1/1	0.89	0.19	86,86,86,86	0
56	MG	1A	3188	1/1	0.89	0.21	48,48,48,48	0
56	MG	1a	1725	1/1	0.89	0.12	57,57,57,57	0
56	MG	1A	3826	1/1	0.89	0.05	92,92,92,92	0
56	MG	2a	1689	1/1	0.89	0.06	94,94,94,94	0
56	MG	2A	3033	1/1	0.89	0.14	52,52,52,52	0
56	MG	2A	3507	1/1	0.89	0.18	62,62,62,62	0
56	MG	1A	3237	1/1	0.89	0.08	61,61,61,61	0
56	MG	1A	3239	1/1	0.89	0.30	61,61,61,61	0
56	MG	1A	3240	1/1	0.89	0.10	75,75,75,75	0
56	MG	1a	1733	1/1	0.89	0.15	51,51,51,51	0
56	MG	2a	1697	1/1	0.89	0.21	68,68,68,68	0
56	MG	2A	3243	1/1	0.89	0.24	42,42,42,42	0
56	MG	2A	3049	1/1	0.89	0.16	75,75,75,75	0
56	MG	1A	3112	1/1	0.89	0.14	62,62,62,62	0
56	MG	1A	3443	1/1	0.89	0.07	39,39,39,39	0
56	MG	2a	1707	1/1	0.89	0.25	74,74,74,74	0
56	MG	1a	1753	1/1	0.89	0.36	50,50,50,50	0
56	MG	1A	3728	1/1	0.89	0.13	68,68,68,68	0
56	MG	1A	3451	1/1	0.89	0.25	40,40,40,40	0
56	MG	2A	3262	1/1	0.89	0.28	50,50,50,50	0
56	MG	1A	3246	1/1	0.89	0.17	63,63,63,63	0
56	MG	2A	3062	1/1	0.89	0.12	68,68,68,68	0
56	MG	2x	109	1/1	0.89	0.13	86,86,86,86	0
56	MG	2a	1717	1/1	0.89	0.25	67,67,67,67	0
57	AKN	1a	1914	40/40	0.89	0.11	62,75,81,88	0
57	AKN	2O	202	40/40	0.89	0.09	56,66,76,82	0
56	MG	1A	3266	1/1	0.90	0.24	57,57,57,57	0
56	MG	1a	1627	1/1	0.90	0.07	63,63,63,63	0
56	MG	2a	1728	1/1	0.90	0.06	87,87,87,87	0
56	MG	1A	3126	1/1	0.90	0.12	74,74,74,74	0
56	MG	1A	3274	1/1	0.90	0.20	70,70,70,70	0
56	MG	1A	3275	1/1	0.90	0.16	52,52,52,52	0
56	MG	1a	1768	1/1	0.90	0.08	100,100,100,100	0
56	MG	1a	1638	1/1	0.90	0.08	55,55,55,55	0
56	MG	1A	3023	1/1	0.90	0.09	60,60,60,60	0
56	MG	1B	205	1/1	0.90	0.27	58,58,58,58	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	1a	1772	1/1	0.90	0.05	94,94,94,94	0
56	MG	1A	3191	1/1	0.90	0.29	49,49,49,49	0
56	MG	2A	3549	1/1	0.90	0.09	82,82,82,82	0
56	MG	1A	3192	1/1	0.90	0.26	39,39,39,39	0
56	MG	2A	3329	1/1	0.90	0.23	63,63,63,63	0
56	MG	1A	3025	1/1	0.90	0.06	46,46,46,46	0
56	MG	1A	3568	1/1	0.90	0.22	44,44,44,44	0
56	MG	1a	1651	1/1	0.90	0.07	56,56,56,56	0
56	MG	1B	214	1/1	0.90	0.21	64,64,64,64	0
56	MG	2A	3342	1/1	0.90	0.23	41,41,41,41	0
56	MG	2A	3562	1/1	0.90	0.22	65,65,65,65	0
56	MG	1a	1655	1/1	0.90	0.13	58,58,58,58	0
56	MG	2A	3116	1/1	0.90	0.22	55,55,55,55	0
56	MG	1B	216	1/1	0.90	0.07	76,76,76,76	0
56	MG	1a	1660	1/1	0.90	0.13	67,67,67,67	0
56	MG	1A	3285	1/1	0.90	0.14	50,50,50,50	0
56	MG	2A	3571	1/1	0.90	0.06	70,70,70,70	0
56	MG	1a	1905	1/1	0.90	0.14	69,69,69,69	0
56	MG	1a	1793	1/1	0.90	0.16	70,70,70,70	0
56	MG	1A	3092	1/1	0.90	0.20	40,40,40,40	0
56	MG	1A	3200	1/1	0.90	0.10	59,59,59,59	0
56	MG	1a	1665	1/1	0.90	0.24	71,71,71,71	0
56	MG	1A	3356	1/1	0.90	0.07	65,65,65,65	0
56	MG	1A	3780	1/1	0.90	0.15	61,61,61,61	0
56	MG	1a	1670	1/1	0.90	0.22	59,59,59,59	0
56	MG	1a	1673	1/1	0.90	0.17	41,41,41,41	0
56	MG	2a	1778	1/1	0.90	0.14	82,82,82,82	0
56	MG	1A	3062	1/1	0.90	0.33	22,22,22,22	0
56	MG	2D	302	1/1	0.90	0.22	82,82,82,82	0
56	MG	2A	3382	1/1	0.90	0.26	62,62,62,62	0
56	MG	2a	1787	1/1	0.90	0.23	70,70,70,70	0
56	MG	2a	1788	1/1	0.90	0.33	63,63,63,63	0
56	MG	2a	1789	1/1	0.90	0.28	45,45,45,45	0
56	MG	2A	3384	1/1	0.90	0.16	59,59,59,59	0
56	MG	2A	3385	1/1	0.90	0.27	51,51,51,51	0
56	MG	1A	3203	1/1	0.90	0.27	48,48,48,48	0
56	MG	1A	3483	1/1	0.90	0.28	59,59,59,59	0
56	MG	1A	3294	1/1	0.90	0.15	58,58,58,58	0
56	MG	2A	3393	1/1	0.90	0.36	56,56,56,56	0
56	MG	1a	1808	1/1	0.90	0.06	64,64,64,64	0
56	MG	1D	302	1/1	0.90	0.32	51,51,51,51	0
56	MG	1a	1686	1/1	0.90	0.06	103,103,103,103	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	2A	3403	1/1	0.90	0.09	56,56,56,56	0
56	MG	2a	1811	1/1	0.90	0.11	74,74,74,74	0
56	MG	2A	3407	1/1	0.90	0.34	36,36,36,36	0
56	MG	2A	3411	1/1	0.90	0.22	69,69,69,69	0
56	MG	1A	3485	1/1	0.90	0.25	55,55,55,55	0
56	MG	2A	3154	1/1	0.90	0.11	67,67,67,67	0
56	MG	1a	1813	1/1	0.90	0.09	69,69,69,69	0
56	MG	2A	3421	1/1	0.90	0.20	57,57,57,57	0
56	MG	1A	3103	1/1	0.90	0.21	48,48,48,48	0
56	MG	2a	1820	1/1	0.90	0.07	84,84,84,84	0
56	MG	1A	3296	1/1	0.90	0.10	64,64,64,64	0
56	MG	1A	3591	1/1	0.90	0.17	50,50,50,50	0
56	MG	2A	3428	1/1	0.90	0.16	47,47,47,47	0
56	MG	1v	101	1/1	0.90	0.12	69,69,69,69	0
56	MG	1A	3241	1/1	0.90	0.06	51,51,51,51	0
56	MG	2A	3173	1/1	0.90	0.27	71,71,71,71	0
56	MG	1a	1695	1/1	0.90	0.20	68,68,68,68	0
56	MG	1A	3507	1/1	0.90	0.34	37,37,37,37	0
56	MG	2A	3178	1/1	0.90	0.11	54,54,54,54	0
56	MG	1A	3511	1/1	0.90	0.19	34,34,34,34	0
56	MG	2a	1632	1/1	0.90	0.13	75,75,75,75	0
56	MG	2a	1634	1/1	0.90	0.20	73,73,73,73	0
56	MG	1A	3516	1/1	0.90	0.27	48,48,48,48	0
56	MG	2a	1848	1/1	0.90	0.15	70,70,70,70	0
56	MG	1A	3600	1/1	0.90	0.11	82,82,82,82	0
56	MG	2A	3185	1/1	0.90	0.08	77,77,77,77	0
56	MG	1A	3521	1/1	0.90	0.28	46,46,46,46	0
56	MG	2A	3459	1/1	0.90	0.09	71,71,71,71	0
56	MG	2A	3460	1/1	0.90	0.12	68,68,68,68	0
56	MG	1a	1830	1/1	0.90	0.08	61,61,61,61	0
56	MG	1a	1832	1/1	0.90	0.12	70,70,70,70	0
56	MG	1a	1836	1/1	0.90	0.10	69,69,69,69	0
56	MG	2a	1859	1/1	0.90	0.08	87,87,87,87	0
56	MG	1A	3038	1/1	0.90	0.18	66,66,66,66	0
56	MG	1A	3056	1/1	0.90	0.14	52,52,52,52	0
56	MG	1a	1707	1/1	0.90	0.21	56,56,56,56	0
56	MG	1A	3805	1/1	0.90	0.11	47,47,47,47	0
56	MG	1A	3057	1/1	0.90	0.33	57,57,57,57	0
56	MG	2A	3206	1/1	0.90	0.13	69,69,69,69	0
56	MG	1A	3813	1/1	0.90	0.20	56,56,56,56	0
56	MG	1A	3634	1/1	0.90	0.10	49,49,49,49	0
56	MG	1a	1848	1/1	0.90	0.31	73,73,73,73	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	1a	1715	1/1	0.90	0.08	74,74,74,74	0
56	MG	2A	3027	1/1	0.90	0.20	72,72,72,72	0
56	MG	1A	3117	1/1	0.90	0.26	59,59,59,59	0
56	MG	1A	3118	1/1	0.90	0.29	63,63,63,63	0
56	MG	1A	3398	1/1	0.90	0.15	26,26,26,26	0
56	MG	1A	3218	1/1	0.90	0.14	52,52,52,52	0
56	MG	2A	3228	1/1	0.90	0.17	54,54,54,54	0
56	MG	2A	3488	1/1	0.90	0.16	56,56,56,56	0
56	MG	1A	3893	1/1	0.90	0.15	50,50,50,50	0
56	MG	2A	3230	1/1	0.90	0.07	73,73,73,73	0
56	MG	2A	3492	1/1	0.90	0.09	69,69,69,69	0
56	MG	2A	3045	1/1	0.90	0.16	59,59,59,59	0
56	MG	2A	3494	1/1	0.90	0.21	58,58,58,58	0
56	MG	2A	3495	1/1	0.90	0.33	49,49,49,49	0
56	MG	1A	3401	1/1	0.90	0.24	39,39,39,39	0
56	MG	2A	3234	1/1	0.90	0.28	53,53,53,53	0
56	MG	2A	3241	1/1	0.90	0.30	33,33,33,33	0
56	MG	2A	3050	1/1	0.90	0.12	39,39,39,39	0
56	MG	2A	3503	1/1	0.90	0.22	60,60,60,60	0
56	MG	1a	1863	1/1	0.90	0.07	72,72,72,72	0
56	MG	1A	3406	1/1	0.90	0.21	35,35,35,35	0
56	MG	1A	3408	1/1	0.90	0.27	33,33,33,33	0
56	MG	2a	1897	1/1	0.90	0.08	76,76,76,76	0
56	MG	1A	3219	1/1	0.90	0.14	57,57,57,57	0
56	MG	2a	1899	1/1	0.90	0.23	51,51,51,51	0
56	MG	2a	1902	1/1	0.90	0.10	102,102,102,102	0
56	MG	1A	3704	1/1	0.90	0.12	48,48,48,48	0
56	MG	2A	3252	1/1	0.90	0.32	35,35,35,35	0
56	MG	2a	1907	1/1	0.90	0.13	89,89,89,89	0
56	MG	1A	3122	1/1	0.90	0.08	59,59,59,59	0
56	MG	1A	3318	1/1	0.90	0.08	57,57,57,57	0
56	MG	1A	3828	1/1	0.90	0.09	54,54,54,54	0
56	MG	1A	3709	1/1	0.90	0.10	65,65,65,65	0
56	MG	1A	3916	1/1	0.90	0.25	37,37,37,37	0
56	MG	2v	101	1/1	0.90	0.25	72,72,72,72	0
56	MG	2A	3277	1/1	0.90	0.29	48,48,48,48	0
56	MG	1A	3922	1/1	0.90	0.13	59,59,59,59	0
56	MG	2A	3280	1/1	0.90	0.24	46,46,46,46	0
56	MG	1A	3124	1/1	0.90	0.13	73,73,73,73	0
56	MG	2A	3282	1/1	0.90	0.24	32,32,32,32	0
56	MG	2A	3283	1/1	0.90	0.29	38,38,38,38	0
56	MG	2x	108	1/1	0.90	0.14	55,55,55,55	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	2A	3284	1/1	0.90	0.32	33,33,33,33	0
56	MG	2A	3285	1/1	0.90	0.25	76,76,76,76	0
56	MG	1A	3716	1/1	0.90	0.09	67,67,67,67	0
56	MG	2a	1724	1/1	0.90	0.10	80,80,80,80	0
56	MG	1A	3930	1/1	0.91	0.18	47,47,47,47	0
56	MG	2A	3058	1/1	0.91	0.17	45,45,45,45	0
56	MG	1A	3848	1/1	0.91	0.08	50,50,50,50	0
56	MG	2a	1759	1/1	0.91	0.24	62,62,62,62	0
56	MG	2a	1760	1/1	0.91	0.18	78,78,78,78	0
56	MG	2F	304	1/1	0.91	0.07	74,74,74,74	0
56	MG	1A	3597	1/1	0.91	0.09	58,58,58,58	0
56	MG	1a	1810	1/1	0.91	0.18	61,61,61,61	0
56	MG	2a	1765	1/1	0.91	0.20	76,76,76,76	0
56	MG	2P	201	1/1	0.91	0.07	102,102,102,102	0
56	MG	2A	3063	1/1	0.91	0.23	39,39,39,39	0
56	MG	1a	1898	1/1	0.91	0.36	52,52,52,52	0
56	MG	1A	3438	1/1	0.91	0.25	63,63,63,63	0
56	MG	2a	1604	1/1	0.91	0.10	67,67,67,67	0
56	MG	1A	3300	1/1	0.91	0.09	66,66,66,66	0
56	MG	2A	3455	1/1	0.91	0.11	76,76,76,76	0
56	MG	1a	1712	1/1	0.91	0.36	78,78,78,78	0
56	MG	1A	3304	1/1	0.91	0.13	58,58,58,58	0
56	MG	1A	3617	1/1	0.91	0.05	36,36,36,36	0
56	MG	1A	3175	1/1	0.91	0.21	69,69,69,69	0
56	MG	2a	1781	1/1	0.91	0.20	71,71,71,71	0
56	MG	1A	3446	1/1	0.91	0.14	31,31,31,31	0
56	MG	1a	1625	1/1	0.91	0.14	47,47,47,47	0
56	MG	2A	3083	1/1	0.91	0.21	56,56,56,56	0
56	MG	1A	3541	1/1	0.91	0.16	61,61,61,61	0
56	MG	1A	3279	1/1	0.91	0.13	68,68,68,68	0
56	MG	2a	1791	1/1	0.91	0.12	73,73,73,73	0
56	MG	2a	1793	1/1	0.91	0.19	60,60,60,60	0
56	MG	1A	3360	1/1	0.91	0.27	69,69,69,69	0
56	MG	2A	3258	1/1	0.91	0.29	56,56,56,56	0
56	MG	1A	3645	1/1	0.91	0.10	58,58,58,58	0
56	MG	1A	3280	1/1	0.91	0.15	74,74,74,74	0
56	MG	2A	3100	1/1	0.91	0.18	52,52,52,52	0
56	MG	2A	3267	1/1	0.91	0.16	76,76,76,76	0
56	MG	2A	3270	1/1	0.91	0.26	41,41,41,41	0
56	MG	1A	3365	1/1	0.91	0.20	65,65,65,65	0
56	MG	2A	3276	1/1	0.91	0.25	46,46,46,46	0
56	MG	2a	1809	1/1	0.91	0.15	77,77,77,77	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	1A	3462	1/1	0.91	0.24	53,53,53,53	0
56	MG	2a	1635	1/1	0.91	0.17	64,64,64,64	0
56	MG	1A	3372	1/1	0.91	0.14	51,51,51,51	0
56	MG	2A	3279	1/1	0.91	0.27	33,33,33,33	0
56	MG	1A	3466	1/1	0.91	0.21	44,44,44,44	0
56	MG	2A	3487	1/1	0.91	0.11	64,64,64,64	0
56	MG	1a	1838	1/1	0.91	0.07	81,81,81,81	0
56	MG	2a	1647	1/1	0.91	0.18	65,65,65,65	0
56	MG	1a	1745	1/1	0.91	0.21	55,55,55,55	0
56	MG	1A	3806	1/1	0.91	0.10	46,46,46,46	0
56	MG	1A	3048	1/1	0.91	0.17	42,42,42,42	0
56	MG	1A	3223	1/1	0.91	0.14	72,72,72,72	0
56	MG	1o	101	1/1	0.91	0.06	71,71,71,71	0
56	MG	2a	1656	1/1	0.91	0.09	74,74,74,74	0
56	MG	1A	3471	1/1	0.91	0.27	29,29,29,29	0
56	MG	1A	3381	1/1	0.91	0.12	58,58,58,58	0
56	MG	2a	1833	1/1	0.91	0.17	92,92,92,92	0
56	MG	1A	3180	1/1	0.91	0.27	26,26,26,26	0
56	MG	1a	1850	1/1	0.91	0.28	78,78,78,78	0
56	MG	2A	3124	1/1	0.91	0.17	58,58,58,58	0
56	MG	1A	3123	1/1	0.91	0.16	45,45,45,45	0
56	MG	2A	3303	1/1	0.91	0.21	51,51,51,51	0
56	MG	1A	3710	1/1	0.91	0.09	59,59,59,59	0
56	MG	2a	1846	1/1	0.91	0.07	59,59,59,59	0
56	MG	1F	301	1/1	0.91	0.15	42,42,42,42	0
56	MG	2A	3316	1/1	0.91	0.32	53,53,53,53	0
56	MG	2a	1672	1/1	0.91	0.08	78,78,78,78	0
56	MG	1x	101	1/1	0.91	0.11	75,75,75,75	0
56	MG	2A	3320	1/1	0.91	0.05	86,86,86,86	0
56	MG	1A	3091	1/1	0.91	0.10	34,34,34,34	0
56	MG	1x	104	1/1	0.91	0.06	69,69,69,69	0
56	MG	2A	3324	1/1	0.91	0.17	60,60,60,60	0
56	MG	1A	3158	1/1	0.91	0.30	27,27,27,27	0
56	MG	1A	3571	1/1	0.91	0.12	73,73,73,73	0
56	MG	2a	1682	1/1	0.91	0.17	65,65,65,65	0
56	MG	1A	3256	1/1	0.91	0.15	62,62,62,62	0
56	MG	1x	110	1/1	0.91	0.12	65,65,65,65	0
56	MG	1A	3324	1/1	0.91	0.10	53,53,53,53	0
56	MG	1x	113	1/1	0.91	0.30	81,81,81,81	0
56	MG	2A	3341	1/1	0.91	0.43	52,52,52,52	0
56	MG	2A	3147	1/1	0.91	0.12	55,55,55,55	0
56	MG	1x	114	1/1	0.91	0.15	64,64,64,64	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	1x	115	1/1	0.91	0.07	80,80,80,80	0
56	MG	1a	1864	1/1	0.91	0.11	56,56,56,56	0
56	MG	1a	1671	1/1	0.91	0.24	43,43,43,43	0
56	MG	1A	3027	1/1	0.91	0.56	48,48,48,48	0
56	MG	1A	3098	1/1	0.91	0.14	47,47,47,47	0
56	MG	1A	3497	1/1	0.91	0.21	27,27,27,27	0
56	MG	2A	3539	1/1	0.91	0.08	63,63,63,63	0
56	MG	1a	1678	1/1	0.91	0.15	42,42,42,42	0
56	MG	1a	1679	1/1	0.91	0.34	60,60,60,60	0
56	MG	2a	1703	1/1	0.91	0.09	86,86,86,86	0
56	MG	2a	1704	1/1	0.91	0.09	60,60,60,60	0
56	MG	2A	3369	1/1	0.91	0.05	83,83,83,83	0
56	MG	2a	1882	1/1	0.91	0.16	65,65,65,65	0
56	MG	1A	3335	1/1	0.91	0.23	63,63,63,63	0
56	MG	1A	3233	1/1	0.91	0.10	47,47,47,47	0
56	MG	1A	3214	1/1	0.91	0.09	76,76,76,76	0
56	MG	2A	3174	1/1	0.91	0.11	48,48,48,48	0
56	MG	2A	3013	1/1	0.91	0.30	53,53,53,53	0
56	MG	2A	3016	1/1	0.91	0.13	52,52,52,52	0
56	MG	2A	3018	1/1	0.91	0.10	55,55,55,55	0
56	MG	1A	3100	1/1	0.91	0.16	66,66,66,66	0
56	MG	2A	3021	1/1	0.91	0.17	52,52,52,52	0
56	MG	2A	3022	1/1	0.91	0.20	60,60,60,60	0
56	MG	2A	3390	1/1	0.91	0.19	81,81,81,81	0
56	MG	1A	3835	1/1	0.91	0.10	70,70,70,70	0
56	MG	17	103	1/1	0.91	0.14	51,51,51,51	0
56	MG	1A	3906	1/1	0.91	0.25	37,37,37,37	0
56	MG	2A	3035	1/1	0.91	0.14	50,50,50,50	0
56	MG	2a	1900	1/1	0.91	0.10	74,74,74,74	0
56	MG	2A	3192	1/1	0.91	0.14	72,72,72,72	0
56	MG	1A	3342	1/1	0.91	0.08	39,39,39,39	0
56	MG	1A	3087	1/1	0.91	0.20	49,49,49,49	0
56	MG	2A	3042	1/1	0.91	0.10	66,66,66,66	0
56	MG	2a	1909	1/1	0.91	0.10	73,73,73,73	0
56	MG	2a	1910	1/1	0.91	0.10	63,63,63,63	0
56	MG	2A	3572	1/1	0.91	0.07	58,58,58,58	0
56	MG	2A	3573	1/1	0.91	0.09	63,63,63,63	0
56	MG	2A	3574	1/1	0.91	0.08	56,56,56,56	0
56	MG	2A	3198	1/1	0.91	0.09	83,83,83,83	0
56	MG	1a	1602	1/1	0.91	0.23	60,60,60,60	0
56	MG	1A	3772	1/1	0.91	0.23	58,58,58,58	0
56	MG	1A	3773	1/1	0.91	0.18	50,50,50,50	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	2v	103	1/1	0.91	0.21	67,67,67,67	0
56	MG	2A	3046	1/1	0.91	0.18	67,67,67,67	0
56	MG	2a	1743	1/1	0.91	0.13	80,80,80,80	0
56	MG	2A	3423	1/1	0.91	0.21	44,44,44,44	0
56	MG	1A	3199	1/1	0.91	0.15	83,83,83,83	0
56	MG	2x	105	1/1	0.91	0.07	93,93,93,93	0
56	MG	1A	3842	1/1	0.91	0.16	83,83,83,83	0
56	MG	1a	1701	1/1	0.91	0.20	69,69,69,69	0
56	MG	1A	3431	1/1	0.91	0.18	43,43,43,43	0
56	MG	2D	301	1/1	0.91	0.37	59,59,59,59	0
56	MG	2A	3429	1/1	0.91	0.10	71,71,71,71	0
56	MG	1A	3352	1/1	0.91	0.22	42,42,42,42	0
57	AKN	2a	1911	40/40	0.91	0.14	65,73,78,83	0
56	MG	2A	3307	1/1	0.92	0.19	51,51,51,51	0
56	MG	2A	3308	1/1	0.92	0.32	38,38,38,38	0
56	MG	1A	3151	1/1	0.92	0.20	27,27,27,27	0
56	MG	1A	3090	1/1	0.92	0.17	52,52,52,52	0
56	MG	1A	3073	1/1	0.92	0.20	50,50,50,50	0
56	MG	2A	3321	1/1	0.92	0.07	75,75,75,75	0
56	MG	1A	3444	1/1	0.92	0.31	45,45,45,45	0
56	MG	1A	3197	1/1	0.92	0.06	81,81,81,81	0
56	MG	1A	3711	1/1	0.92	0.17	60,60,60,60	0
56	MG	2A	3550	1/1	0.92	0.08	71,71,71,71	0
56	MG	1A	3198	1/1	0.92	0.16	66,66,66,66	0
56	MG	2A	3122	1/1	0.92	0.07	44,44,44,44	0
56	MG	1A	3838	1/1	0.92	0.08	62,62,62,62	0
56	MG	2a	1751	1/1	0.92	0.10	89,89,89,89	0
56	MG	1e	203	1/1	0.92	0.09	67,67,67,67	0
56	MG	1A	3715	1/1	0.92	0.15	45,45,45,45	0
56	MG	2A	3556	1/1	0.92	0.06	71,71,71,71	0
56	MG	1A	3226	1/1	0.92	0.15	59,59,59,59	0
56	MG	1B	222	1/1	0.92	0.13	62,62,62,62	0
56	MG	1k	201	1/1	0.92	0.07	69,69,69,69	0
56	MG	1A	3719	1/1	0.92	0.22	43,43,43,43	0
56	MG	1A	3260	1/1	0.92	0.08	42,42,42,42	0
56	MG	1A	3261	1/1	0.92	0.06	68,68,68,68	0
56	MG	2A	3354	1/1	0.92	0.17	45,45,45,45	0
56	MG	1A	3727	1/1	0.92	0.07	63,63,63,63	0
56	MG	1A	3021	1/1	0.92	0.18	69,69,69,69	0
56	MG	1p	102	1/1	0.92	0.07	85,85,85,85	0
56	MG	2A	3361	1/1	0.92	0.29	38,38,38,38	0
56	MG	1A	3037	1/1	0.92	0.11	42,42,42,42	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	2B	201	1/1	0.92	0.07	64,64,64,64	0
56	MG	2A	3141	1/1	0.92	0.20	40,40,40,40	0
56	MG	1a	1685	1/1	0.92	0.14	47,47,47,47	0
56	MG	2a	1772	1/1	0.92	0.13	81,81,81,81	0
56	MG	1A	3563	1/1	0.92	0.09	60,60,60,60	0
56	MG	1a	1687	1/1	0.92	0.07	61,61,61,61	0
56	MG	1A	3747	1/1	0.92	0.18	49,49,49,49	0
56	MG	2a	1776	1/1	0.92	0.10	91,91,91,91	0
56	MG	1A	3309	1/1	0.92	0.16	73,73,73,73	0
56	MG	1a	1690	1/1	0.92	0.09	64,64,64,64	0
56	MG	1A	3201	1/1	0.92	0.06	88,88,88,88	0
56	MG	2A	3155	1/1	0.92	0.19	60,60,60,60	0
56	MG	2A	3381	1/1	0.92	0.16	45,45,45,45	0
56	MG	2A	3157	1/1	0.92	0.11	94,94,94,94	0
56	MG	1A	3468	1/1	0.92	0.23	52,52,52,52	0
56	MG	1A	3377	1/1	0.92	0.14	66,66,66,66	0
56	MG	1A	3378	1/1	0.92	0.24	48,48,48,48	0
56	MG	2A	3389	1/1	0.92	0.14	51,51,51,51	0
56	MG	2E	302	1/1	0.92	0.31	43,43,43,43	0
56	MG	2A	3164	1/1	0.92	0.25	65,65,65,65	0
56	MG	1A	3272	1/1	0.92	0.13	45,45,45,45	0
56	MG	2A	3168	1/1	0.92	0.10	80,80,80,80	0
56	MG	1x	109	1/1	0.92	0.23	48,48,48,48	0
56	MG	1A	3475	1/1	0.92	0.14	32,32,32,32	0
56	MG	1x	111	1/1	0.92	0.07	76,76,76,76	0
56	MG	2a	1805	1/1	0.92	0.07	82,82,82,82	0
56	MG	1A	3313	1/1	0.92	0.11	54,54,54,54	0
56	MG	2A	3402	1/1	0.92	0.22	42,42,42,42	0
56	MG	2a	1808	1/1	0.92	0.22	65,65,65,65	0
56	MG	1A	3384	1/1	0.92	0.20	59,59,59,59	0
56	MG	2A	3406	1/1	0.92	0.29	42,42,42,42	0
56	MG	2A	3176	1/1	0.92	0.06	79,79,79,79	0
56	MG	2A	3408	1/1	0.92	0.39	57,57,57,57	0
56	MG	1A	3077	1/1	0.92	0.10	34,34,34,34	0
56	MG	2A	3412	1/1	0.92	0.14	75,75,75,75	0
56	MG	2a	1815	1/1	0.92	0.14	79,79,79,79	0
56	MG	1R	201	1/1	0.92	0.19	27,27,27,27	0
56	MG	1a	1839	1/1	0.92	0.11	52,52,52,52	0
56	MG	2A	3181	1/1	0.92	0.07	93,93,93,93	0
56	MG	2A	3418	1/1	0.92	0.18	53,53,53,53	0
56	MG	1A	3871	1/1	0.92	0.09	67,67,67,67	0
56	MG	1A	3388	1/1	0.92	0.24	59,59,59,59	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	1a	1842	1/1	0.92	0.07	97,97,97,97	0
56	MG	2a	1825	1/1	0.92	0.06	106,106,106,106	0
56	MG	1a	1843	1/1	0.92	0.14	79,79,79,79	0
56	MG	1A	3231	1/1	0.92	0.09	94,94,94,94	0
56	MG	1A	3276	1/1	0.92	0.16	58,58,58,58	0
56	MG	1A	3050	1/1	0.92	0.07	37,37,37,37	0
56	MG	1A	3786	1/1	0.92	0.05	46,46,46,46	0
56	MG	1A	3008	1/1	0.92	0.07	55,55,55,55	0
56	MG	2a	1628	1/1	0.92	0.20	52,52,52,52	0
56	MG	17	101	1/1	0.92	0.10	45,45,45,45	0
56	MG	2a	1839	1/1	0.92	0.20	77,77,77,77	0
56	MG	2A	3014	1/1	0.92	0.34	57,57,57,57	0
56	MG	2A	3438	1/1	0.92	0.22	65,65,65,65	0
56	MG	1A	3588	1/1	0.92	0.09	60,60,60,60	0
56	MG	1A	3394	1/1	0.92	0.17	46,46,46,46	0
56	MG	1a	1854	1/1	0.92	0.17	61,61,61,61	0
56	MG	2A	3205	1/1	0.92	0.08	63,63,63,63	0
56	MG	2A	3450	1/1	0.92	0.17	76,76,76,76	0
56	MG	1A	3499	1/1	0.92	0.19	39,39,39,39	0
56	MG	1a	1718	1/1	0.92	0.06	97,97,97,97	0
56	MG	19	101	1/1	0.92	0.28	49,49,49,49	0
56	MG	1a	1858	1/1	0.92	0.11	79,79,79,79	0
56	MG	2A	3458	1/1	0.92	0.09	92,92,92,92	0
56	MG	2a	1652	1/1	0.92	0.15	60,60,60,60	0
56	MG	2A	3213	1/1	0.92	0.11	67,67,67,67	0
56	MG	2a	1654	1/1	0.92	0.22	54,54,54,54	0
56	MG	2A	3029	1/1	0.92	0.09	76,76,76,76	0
56	MG	2A	3216	1/1	0.92	0.14	64,64,64,64	0
56	MG	2A	3030	1/1	0.92	0.19	42,42,42,42	0
56	MG	2A	3220	1/1	0.92	0.09	57,57,57,57	0
56	MG	2A	3031	1/1	0.92	0.14	65,65,65,65	0
56	MG	1a	1859	1/1	0.92	0.19	70,70,70,70	0
56	MG	1A	3234	1/1	0.92	0.10	53,53,53,53	0
56	MG	2a	1664	1/1	0.92	0.09	78,78,78,78	0
56	MG	1A	3793	1/1	0.92	0.21	65,65,65,65	0
56	MG	2A	3227	1/1	0.92	0.29	57,57,57,57	0
56	MG	1A	3177	1/1	0.92	0.10	54,54,54,54	0
56	MG	1A	3044	1/1	0.92	0.12	60,60,60,60	0
56	MG	1a	1865	1/1	0.92	0.15	82,82,82,82	0
56	MG	2a	1875	1/1	0.92	0.06	49,49,49,49	0
56	MG	1A	3887	1/1	0.92	0.19	67,67,67,67	0
56	MG	1A	3796	1/1	0.92	0.17	58,58,58,58	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	1A	3513	1/1	0.92	0.29	42,42,42,42	0
56	MG	1A	3208	1/1	0.92	0.12	48,48,48,48	0
56	MG	1a	1740	1/1	0.92	0.12	65,65,65,65	0
56	MG	1A	3520	1/1	0.92	0.28	24,24,24,24	0
56	MG	1a	1744	1/1	0.92	0.24	31,31,31,31	0
56	MG	2A	3054	1/1	0.92	0.37	64,64,64,64	0
56	MG	1A	3334	1/1	0.92	0.23	54,54,54,54	0
56	MG	1a	1749	1/1	0.92	0.11	51,51,51,51	0
56	MG	1A	3035	1/1	0.92	0.10	52,52,52,52	0
56	MG	1A	3415	1/1	0.92	0.24	49,49,49,49	0
56	MG	1A	3526	1/1	0.92	0.23	42,42,42,42	0
56	MG	1A	3531	1/1	0.92	0.24	33,33,33,33	0
56	MG	1A	3639	1/1	0.92	0.08	54,54,54,54	0
56	MG	1A	3139	1/1	0.92	0.12	56,56,56,56	0
56	MG	2A	3265	1/1	0.92	0.30	35,35,35,35	0
56	MG	1a	1622	1/1	0.92	0.14	37,37,37,37	0
56	MG	1A	3185	1/1	0.92	0.17	49,49,49,49	0
56	MG	2A	3273	1/1	0.92	0.35	37,37,37,37	0
56	MG	1A	3648	1/1	0.92	0.10	56,56,56,56	0
56	MG	1A	3909	1/1	0.92	0.28	63,63,63,63	0
56	MG	1A	3290	1/1	0.92	0.05	81,81,81,81	0
56	MG	2a	1901	1/1	0.92	0.26	49,49,49,49	0
56	MG	1a	1630	1/1	0.92	0.10	79,79,79,79	0
56	MG	1A	3429	1/1	0.92	0.17	29,29,29,29	0
56	MG	1A	3060	1/1	0.92	0.09	45,45,45,45	0
56	MG	1A	3921	1/1	0.92	0.20	32,32,32,32	0
56	MG	1A	3664	1/1	0.92	0.08	35,35,35,35	0
56	MG	2a	1706	1/1	0.92	0.10	91,91,91,91	0
56	MG	1A	3665	1/1	0.92	0.10	51,51,51,51	0
56	MG	1A	3679	1/1	0.92	0.08	35,35,35,35	0
56	MG	2g	202	1/1	0.92	0.08	91,91,91,91	0
56	MG	1A	3926	1/1	0.92	0.17	61,61,61,61	0
56	MG	1A	3434	1/1	0.92	0.22	64,64,64,64	0
56	MG	2A	3095	1/1	0.92	0.28	61,61,61,61	0
56	MG	2A	3522	1/1	0.92	0.10	73,73,73,73	0
56	MG	1A	3824	1/1	0.92	0.18	58,58,58,58	0
56	MG	2A	3291	1/1	0.92	0.25	35,35,35,35	0
56	MG	1a	1650	1/1	0.92	0.29	55,55,55,55	0
56	MG	1A	3539	1/1	0.92	0.11	69,69,69,69	0
56	MG	2A	3295	1/1	0.92	0.27	43,43,43,43	0
56	MG	2A	3529	1/1	0.92	0.11	60,60,60,60	0
56	MG	2A	3296	1/1	0.92	0.19	38,38,38,38	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	2A	3104	1/1	0.92	0.22	43,43,43,43	0
56	MG	2A	3300	1/1	0.92	0.22	39,39,39,39	0
56	MG	1A	3347	1/1	0.92	0.28	31,31,31,31	0
56	MG	1A	3699	1/1	0.92	0.11	42,42,42,42	0
56	MG	1A	3089	1/1	0.92	0.22	49,49,49,49	0
56	MG	2A	3536	1/1	0.92	0.05	88,88,88,88	0
56	MG	1a	1792	1/1	0.92	0.20	74,74,74,74	0
56	MG	2A	3333	1/1	0.93	0.24	36,36,36,36	0
56	MG	1A	3116	1/1	0.93	0.09	67,67,67,67	0
56	MG	1A	3291	1/1	0.93	0.09	51,51,51,51	0
56	MG	1a	1601	1/1	0.93	0.06	72,72,72,72	0
56	MG	2A	3544	1/1	0.93	0.13	65,65,65,65	0
56	MG	1A	3889	1/1	0.93	0.10	52,52,52,52	0
56	MG	2A	3343	1/1	0.93	0.28	28,28,28,28	0
56	MG	2A	3159	1/1	0.93	0.16	50,50,50,50	0
56	MG	2A	3347	1/1	0.93	0.14	37,37,37,37	0
56	MG	1A	3677	1/1	0.93	0.10	36,36,36,36	0
56	MG	1A	3804	1/1	0.93	0.10	55,55,55,55	0
56	MG	2a	1746	1/1	0.93	0.16	68,68,68,68	0
56	MG	1A	3550	1/1	0.93	0.14	68,68,68,68	0
56	MG	1A	3551	1/1	0.93	0.13	57,57,57,57	0
56	MG	2A	3166	1/1	0.93	0.17	65,65,65,65	0
56	MG	1A	3326	1/1	0.93	0.29	46,46,46,46	0
56	MG	2A	3358	1/1	0.93	0.09	37,37,37,37	0
56	MG	1A	3688	1/1	0.93	0.07	28,28,28,28	0
56	MG	1a	1612	1/1	0.93	0.05	57,57,57,57	0
56	MG	2A	3364	1/1	0.93	0.15	46,46,46,46	0
56	MG	2A	3172	1/1	0.93	0.06	60,60,60,60	0
56	MG	1A	3691	1/1	0.93	0.09	37,37,37,37	0
56	MG	1A	3469	1/1	0.93	0.27	44,44,44,44	0
56	MG	1A	3264	1/1	0.93	0.12	70,70,70,70	0
56	MG	1A	3171	1/1	0.93	0.07	51,51,51,51	0
56	MG	2A	3373	1/1	0.93	0.30	45,45,45,45	0
56	MG	1a	1732	1/1	0.93	0.35	68,68,68,68	0
56	MG	1a	1861	1/1	0.93	0.20	62,62,62,62	0
56	MG	2A	3020	1/1	0.93	0.08	55,55,55,55	0
56	MG	1A	3703	1/1	0.93	0.06	31,31,31,31	0
56	MG	1A	3907	1/1	0.93	0.11	48,48,48,48	0
56	MG	2A	3023	1/1	0.93	0.11	62,62,62,62	0
56	MG	2B	203	1/1	0.93	0.25	54,54,54,54	0
56	MG	2A	3184	1/1	0.93	0.16	57,57,57,57	0
56	MG	1A	3172	1/1	0.93	0.31	22,22,22,22	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	2A	3186	1/1	0.93	0.15	45,45,45,45	0
56	MG	2A	3388	1/1	0.93	0.23	36,36,36,36	0
56	MG	2B	209	1/1	0.93	0.33	56,56,56,56	0
56	MG	1A	3474	1/1	0.93	0.19	49,49,49,49	0
56	MG	1a	1621	1/1	0.93	0.10	71,71,71,71	0
56	MG	1a	1746	1/1	0.93	0.17	46,46,46,46	0
56	MG	2a	1779	1/1	0.93	0.14	67,67,67,67	0
56	MG	2A	3191	1/1	0.93	0.16	60,60,60,60	0
56	MG	1a	1868	1/1	0.93	0.10	62,62,62,62	0
56	MG	1A	3028	1/1	0.93	0.10	66,66,66,66	0
56	MG	2a	1783	1/1	0.93	0.06	70,70,70,70	0
56	MG	1a	1750	1/1	0.93	0.23	41,41,41,41	0
56	MG	1A	3268	1/1	0.93	0.23	65,65,65,65	0
56	MG	1A	3397	1/1	0.93	0.24	28,28,28,28	0
56	MG	1a	1626	1/1	0.93	0.06	55,55,55,55	0
56	MG	1A	3918	1/1	0.93	0.20	68,68,68,68	0
56	MG	2E	303	1/1	0.93	0.18	47,47,47,47	0
56	MG	1A	3271	1/1	0.93	0.14	45,45,45,45	0
56	MG	1A	3480	1/1	0.93	0.25	47,47,47,47	0
56	MG	1a	1762	1/1	0.93	0.23	58,58,58,58	0
56	MG	1a	1631	1/1	0.93	0.07	56,56,56,56	0
56	MG	2A	3209	1/1	0.93	0.09	59,59,59,59	0
56	MG	1a	1633	1/1	0.93	0.07	39,39,39,39	0
56	MG	2a	1803	1/1	0.93	0.16	46,46,46,46	0
56	MG	1a	1882	1/1	0.93	0.11	74,74,74,74	0
56	MG	20	101	1/1	0.93	0.30	55,55,55,55	0
56	MG	1A	3714	1/1	0.93	0.09	45,45,45,45	0
56	MG	25	101	1/1	0.93	0.19	56,56,56,56	0
56	MG	2a	1601	1/1	0.93	0.08	78,78,78,78	0
56	MG	2a	1602	1/1	0.93	0.10	67,67,67,67	0
56	MG	2A	3419	1/1	0.93	0.17	37,37,37,37	0
56	MG	2A	3420	1/1	0.93	0.10	66,66,66,66	0
56	MG	1A	3341	1/1	0.93	0.06	59,59,59,59	0
56	MG	1A	3141	1/1	0.93	0.10	58,58,58,58	0
56	MG	2A	3217	1/1	0.93	0.13	66,66,66,66	0
56	MG	1A	3273	1/1	0.93	0.17	63,63,63,63	0
56	MG	2a	1612	1/1	0.93	0.09	68,68,68,68	0
56	MG	2A	3426	1/1	0.93	0.08	68,68,68,68	0
56	MG	1a	1640	1/1	0.93	0.07	59,59,59,59	0
56	MG	1A	3486	1/1	0.93	0.14	32,32,32,32	0
56	MG	1A	3487	1/1	0.93	0.12	39,39,39,39	0
56	MG	2a	1617	1/1	0.93	0.05	103,103,103,103	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	2A	3430	1/1	0.93	0.21	58,58,58,58	0
56	MG	2A	3432	1/1	0.93	0.17	47,47,47,47	0
56	MG	1A	3127	1/1	0.93	0.21	58,58,58,58	0
56	MG	2a	1828	1/1	0.93	0.10	77,77,77,77	0
56	MG	1a	1646	1/1	0.93	0.14	62,62,62,62	0
56	MG	1A	3493	1/1	0.93	0.26	35,35,35,35	0
56	MG	1B	202	1/1	0.93	0.20	48,48,48,48	0
56	MG	1A	3302	1/1	0.93	0.17	46,46,46,46	0
56	MG	1A	3738	1/1	0.93	0.07	29,29,29,29	0
56	MG	2A	3070	1/1	0.93	0.17	56,56,56,56	0
56	MG	2a	1836	1/1	0.93	0.17	61,61,61,61	0
56	MG	2A	3442	1/1	0.93	0.14	70,70,70,70	0
56	MG	2a	1838	1/1	0.93	0.11	60,60,60,60	0
56	MG	1A	3739	1/1	0.93	0.10	35,35,35,35	0
56	MG	2A	3233	1/1	0.93	0.13	36,36,36,36	0
56	MG	2a	1633	1/1	0.93	0.18	71,71,71,71	0
56	MG	1A	3496	1/1	0.93	0.17	37,37,37,37	0
56	MG	2A	3237	1/1	0.93	0.17	50,50,50,50	0
56	MG	2A	3076	1/1	0.93	0.09	49,49,49,49	0
56	MG	2A	3242	1/1	0.93	0.21	42,42,42,42	0
56	MG	2A	3456	1/1	0.93	0.16	73,73,73,73	0
56	MG	2a	1641	1/1	0.93	0.07	85,85,85,85	0
56	MG	1a	1656	1/1	0.93	0.16	55,55,55,55	0
56	MG	1A	3418	1/1	0.93	0.22	39,39,39,39	0
56	MG	2A	3080	1/1	0.93	0.22	64,64,64,64	0
56	MG	2a	1648	1/1	0.93	0.14	60,60,60,60	0
56	MG	1A	3145	1/1	0.93	0.19	44,44,44,44	0
56	MG	1A	3179	1/1	0.93	0.28	34,34,34,34	0
56	MG	1A	3019	1/1	0.93	0.19	67,67,67,67	0
56	MG	1A	3846	1/1	0.93	0.09	63,63,63,63	0
56	MG	1A	3763	1/1	0.93	0.17	46,46,46,46	0
56	MG	2A	3255	1/1	0.93	0.11	56,56,56,56	0
56	MG	2a	1863	1/1	0.93	0.10	72,72,72,72	0
56	MG	2A	3256	1/1	0.93	0.23	30,30,30,30	0
56	MG	1A	3131	1/1	0.93	0.19	48,48,48,48	0
56	MG	2a	1657	1/1	0.93	0.25	59,59,59,59	0
56	MG	1A	3850	1/1	0.93	0.15	66,66,66,66	0
56	MG	2A	3094	1/1	0.93	0.17	47,47,47,47	0
56	MG	1A	3154	1/1	0.93	0.08	53,53,53,53	0
56	MG	2A	3099	1/1	0.93	0.11	87,87,87,87	0
56	MG	2A	3474	1/1	0.93	0.07	64,64,64,64	0
56	MG	1A	3514	1/1	0.93	0.28	34,34,34,34	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	2A	3269	1/1	0.93	0.23	38,38,38,38	0
56	MG	1A	3768	1/1	0.93	0.19	69,69,69,69	0
56	MG	2A	3272	1/1	0.93	0.29	46,46,46,46	0
56	MG	1B	228	1/1	0.93	0.09	79,79,79,79	0
56	MG	2A	3483	1/1	0.93	0.10	73,73,73,73	0
56	MG	2A	3274	1/1	0.93	0.22	35,35,35,35	0
56	MG	1A	3769	1/1	0.93	0.12	63,63,63,63	0
56	MG	1A	3857	1/1	0.93	0.18	63,63,63,63	0
56	MG	1A	3157	1/1	0.93	0.19	34,34,34,34	0
56	MG	1A	3207	1/1	0.93	0.07	43,43,43,43	0
56	MG	2A	3108	1/1	0.93	0.25	47,47,47,47	0
56	MG	1A	3039	1/1	0.93	0.27	60,60,60,60	0
56	MG	1A	3863	1/1	0.93	0.22	75,75,75,75	0
56	MG	1A	3864	1/1	0.93	0.10	65,65,65,65	0
56	MG	2A	3113	1/1	0.93	0.20	82,82,82,82	0
56	MG	1A	3366	1/1	0.93	0.17	51,51,51,51	0
56	MG	2A	3115	1/1	0.93	0.18	57,57,57,57	0
56	MG	2a	1686	1/1	0.93	0.09	85,85,85,85	0
56	MG	1A	3367	1/1	0.93	0.21	28,28,28,28	0
56	MG	1l	202	1/1	0.93	0.18	65,65,65,65	0
56	MG	2A	3288	1/1	0.93	0.36	51,51,51,51	0
56	MG	2a	1896	1/1	0.93	0.31	51,51,51,51	0
56	MG	2A	3502	1/1	0.93	0.36	56,56,56,56	0
56	MG	1a	1814	1/1	0.93	0.08	48,48,48,48	0
56	MG	1A	3867	1/1	0.93	0.06	64,64,64,64	0
56	MG	2A	3292	1/1	0.93	0.19	45,45,45,45	0
56	MG	1a	1817	1/1	0.93	0.11	84,84,84,84	0
56	MG	1A	3609	1/1	0.93	0.15	52,52,52,52	0
56	MG	2A	3511	1/1	0.93	0.07	65,65,65,65	0
56	MG	1A	3368	1/1	0.93	0.09	53,53,53,53	0
56	MG	1A	3784	1/1	0.93	0.08	67,67,67,67	0
56	MG	1A	3315	1/1	0.93	0.07	52,52,52,52	0
56	MG	2A	3129	1/1	0.93	0.15	50,50,50,50	0
56	MG	1A	3284	1/1	0.93	0.18	53,53,53,53	0
56	MG	1A	3450	1/1	0.93	0.22	48,48,48,48	0
56	MG	2e	201	1/1	0.93	0.08	78,78,78,78	0
56	MG	2g	201	1/1	0.93	0.07	83,83,83,83	0
56	MG	2A	3518	1/1	0.93	0.06	68,68,68,68	0
56	MG	1A	3079	1/1	0.93	0.11	46,46,46,46	0
56	MG	1A	3259	1/1	0.93	0.06	55,55,55,55	0
56	MG	1A	3320	1/1	0.93	0.18	62,62,62,62	0
56	MG	2A	3523	1/1	0.93	0.07	68,68,68,68	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	1x	102	1/1	0.93	0.10	60,60,60,60	0
56	MG	2A	3315	1/1	0.93	0.10	68,68,68,68	0
56	MG	1A	3456	1/1	0.93	0.22	50,50,50,50	0
56	MG	1A	3457	1/1	0.93	0.15	45,45,45,45	0
56	MG	1a	1834	1/1	0.93	0.09	80,80,80,80	0
56	MG	1A	3646	1/1	0.93	0.05	59,59,59,59	0
56	MG	2x	103	1/1	0.93	0.11	79,79,79,79	0
56	MG	2x	104	1/1	0.93	0.06	80,80,80,80	0
56	MG	1a	1704	1/1	0.93	0.17	68,68,68,68	0
56	MG	1A	3136	1/1	0.93	0.08	55,55,55,55	0
56	MG	2A	3148	1/1	0.93	0.18	43,43,43,43	0
56	MG	1A	3289	1/1	0.93	0.12	57,57,57,57	0
56	MG	1A	3544	1/1	0.93	0.20	70,70,70,70	0
56	MG	1A	3658	1/1	0.93	0.08	37,37,37,37	0
56	MG	1A	3323	1/1	0.93	0.14	81,81,81,81	0
56	MG	2A	3332	1/1	0.93	0.16	70,70,70,70	0
56	MG	1A	3064	1/1	0.94	0.18	28,28,28,28	0
56	MG	2a	1729	1/1	0.94	0.13	69,69,69,69	0
56	MG	2a	1730	1/1	0.94	0.13	69,69,69,69	0
56	MG	2A	3336	1/1	0.94	0.13	51,51,51,51	0
56	MG	1A	3081	1/1	0.94	0.15	31,31,31,31	0
56	MG	2a	1733	1/1	0.94	0.09	59,59,59,59	0
56	MG	1A	3774	1/1	0.94	0.10	47,47,47,47	0
56	MG	1N	205	1/1	0.94	0.07	72,72,72,72	0
56	MG	1O	201	1/1	0.94	0.15	61,61,61,61	0
56	MG	2A	3542	1/1	0.94	0.06	57,57,57,57	0
56	MG	1a	1833	1/1	0.94	0.19	43,43,43,43	0
56	MG	1A	3301	1/1	0.94	0.27	50,50,50,50	0
56	MG	1P	203	1/1	0.94	0.10	61,61,61,61	0
56	MG	2A	3005	1/1	0.94	0.19	57,57,57,57	0
56	MG	1A	3336	1/1	0.94	0.07	55,55,55,55	0
56	MG	2a	1744	1/1	0.94	0.09	91,91,91,91	0
56	MG	1A	3459	1/1	0.94	0.40	49,49,49,49	0
56	MG	1V	201	1/1	0.94	0.08	46,46,46,46	0
56	MG	1a	1700	1/1	0.94	0.15	57,57,57,57	0
56	MG	1V	203	1/1	0.94	0.18	62,62,62,62	0
56	MG	1A	3627	1/1	0.94	0.06	49,49,49,49	0
56	MG	2A	3362	1/1	0.94	0.26	43,43,43,43	0
56	MG	1a	1703	1/1	0.94	0.16	65,65,65,65	0
56	MG	1A	3631	1/1	0.94	0.12	49,49,49,49	0
56	MG	1A	3460	1/1	0.94	0.25	25,25,25,25	0
56	MG	1A	3129	1/1	0.94	0.24	58,58,58,58	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	2A	3368	1/1	0.94	0.23	58,58,58,58	0
56	MG	2a	1756	1/1	0.94	0.07	56,56,56,56	0
56	MG	1A	3303	1/1	0.94	0.11	46,46,46,46	0
56	MG	1A	3149	1/1	0.94	0.10	65,65,65,65	0
56	MG	1A	3305	1/1	0.94	0.05	49,49,49,49	0
56	MG	2A	3372	1/1	0.94	0.18	68,68,68,68	0
56	MG	2A	3566	1/1	0.94	0.07	75,75,75,75	0
56	MG	1A	3082	1/1	0.94	0.16	35,35,35,35	0
56	MG	2a	1763	1/1	0.94	0.13	68,68,68,68	0
56	MG	1A	3343	1/1	0.94	0.07	56,56,56,56	0
56	MG	2A	3025	1/1	0.94	0.21	50,50,50,50	0
56	MG	2A	3026	1/1	0.94	0.05	40,40,40,40	0
56	MG	2A	3188	1/1	0.94	0.12	53,53,53,53	0
56	MG	2A	3378	1/1	0.94	0.24	58,58,58,58	0
56	MG	2A	3379	1/1	0.94	0.29	51,51,51,51	0
56	MG	1A	3653	1/1	0.94	0.08	53,53,53,53	0
56	MG	18	103	1/1	0.94	0.16	65,65,65,65	0
56	MG	2B	204	1/1	0.94	0.07	79,79,79,79	0
56	MG	2A	3383	1/1	0.94	0.22	54,54,54,54	0
56	MG	1A	3344	1/1	0.94	0.11	54,54,54,54	0
56	MG	1A	3399	1/1	0.94	0.12	47,47,47,47	0
56	MG	2A	3386	1/1	0.94	0.15	45,45,45,45	0
56	MG	19	103	1/1	0.94	0.10	67,67,67,67	0
56	MG	2A	3034	1/1	0.94	0.18	57,57,57,57	0
56	MG	1A	3472	1/1	0.94	0.12	57,57,57,57	0
56	MG	1A	3661	1/1	0.94	0.10	25,25,25,25	0
56	MG	1A	3548	1/1	0.94	0.08	29,29,29,29	0
56	MG	2A	3202	1/1	0.94	0.08	74,74,74,74	0
56	MG	2A	3039	1/1	0.94	0.27	58,58,58,58	0
56	MG	1a	1724	1/1	0.94	0.06	64,64,64,64	0
56	MG	2A	3396	1/1	0.94	0.07	62,62,62,62	0
56	MG	1A	3549	1/1	0.94	0.06	55,55,55,55	0
56	MG	2A	3399	1/1	0.94	0.14	50,50,50,50	0
56	MG	2a	1792	1/1	0.94	0.23	49,49,49,49	0
56	MG	1A	3800	1/1	0.94	0.17	57,57,57,57	0
56	MG	1a	1606	1/1	0.94	0.30	57,57,57,57	0
56	MG	1A	3676	1/1	0.94	0.06	41,41,41,41	0
56	MG	2F	303	1/1	0.94	0.15	62,62,62,62	0
56	MG	2A	3047	1/1	0.94	0.10	66,66,66,66	0
56	MG	1A	3307	1/1	0.94	0.09	61,61,61,61	0
56	MG	1a	1730	1/1	0.94	0.04	97,97,97,97	0
56	MG	2a	1802	1/1	0.94	0.15	75,75,75,75	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	2A	3409	1/1	0.94	0.15	57,57,57,57	0
56	MG	1A	3182	1/1	0.94	0.27	51,51,51,51	0
56	MG	2R	201	1/1	0.94	0.21	42,42,42,42	0
56	MG	2T	201	1/1	0.94	0.09	42,42,42,42	0
56	MG	2A	3215	1/1	0.94	0.09	85,85,85,85	0
56	MG	2Y	201	1/1	0.94	0.14	63,63,63,63	0
56	MG	2A	3414	1/1	0.94	0.17	61,61,61,61	0
56	MG	1A	3680	1/1	0.94	0.16	57,57,57,57	0
56	MG	1a	1736	1/1	0.94	0.17	51,51,51,51	0
56	MG	1a	1739	1/1	0.94	0.20	42,42,42,42	0
56	MG	1A	3007	1/1	0.94	0.16	72,72,72,72	0
56	MG	1A	3685	1/1	0.94	0.08	48,48,48,48	0
56	MG	1a	1875	1/1	0.94	0.10	69,69,69,69	0
56	MG	1a	1743	1/1	0.94	0.09	64,64,64,64	0
56	MG	2A	3225	1/1	0.94	0.13	68,68,68,68	0
56	MG	2a	1608	1/1	0.94	0.08	81,81,81,81	0
56	MG	1A	3807	1/1	0.94	0.09	51,51,51,51	0
56	MG	1A	3809	1/1	0.94	0.17	48,48,48,48	0
56	MG	1A	3094	1/1	0.94	0.11	35,35,35,35	0
56	MG	2a	1822	1/1	0.94	0.28	59,59,59,59	0
56	MG	1a	1748	1/1	0.94	0.14	47,47,47,47	0
56	MG	1A	3411	1/1	0.94	0.28	24,24,24,24	0
56	MG	1A	3095	1/1	0.94	0.09	30,30,30,30	0
56	MG	1A	3557	1/1	0.94	0.05	49,49,49,49	0
56	MG	2A	3431	1/1	0.94	0.22	29,29,29,29	0
56	MG	1A	3694	1/1	0.94	0.07	76,76,76,76	0
56	MG	2A	3072	1/1	0.94	0.16	49,49,49,49	0
56	MG	2A	3236	1/1	0.94	0.17	42,42,42,42	0
56	MG	1A	3911	1/1	0.94	0.23	45,45,45,45	0
56	MG	2A	3436	1/1	0.94	0.07	80,80,80,80	0
56	MG	2A	3240	1/1	0.94	0.19	50,50,50,50	0
56	MG	2a	1624	1/1	0.94	0.06	98,98,98,98	0
56	MG	2A	3074	1/1	0.94	0.31	51,51,51,51	0
56	MG	1a	1623	1/1	0.94	0.14	52,52,52,52	0
56	MG	2A	3077	1/1	0.94	0.30	51,51,51,51	0
56	MG	1A	3817	1/1	0.94	0.12	53,53,53,53	0
56	MG	1A	3913	1/1	0.94	0.10	48,48,48,48	0
56	MG	2A	3445	1/1	0.94	0.08	79,79,79,79	0
56	MG	1A	3698	1/1	0.94	0.08	25,25,25,25	0
56	MG	1A	3263	1/1	0.94	0.21	70,70,70,70	0
56	MG	2A	3249	1/1	0.94	0.30	34,34,34,34	0
56	MG	2A	3250	1/1	0.94	0.21	39,39,39,39	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	1A	3482	1/1	0.94	0.15	38,38,38,38	0
56	MG	2a	1853	1/1	0.94	0.14	75,75,75,75	0
56	MG	1A	3190	1/1	0.94	0.12	63,63,63,63	0
56	MG	1A	3358	1/1	0.94	0.25	29,29,29,29	0
56	MG	1A	3288	1/1	0.94	0.17	64,64,64,64	0
56	MG	2A	3087	1/1	0.94	0.14	47,47,47,47	0
56	MG	2a	1646	1/1	0.94	0.05	78,78,78,78	0
56	MG	2A	3257	1/1	0.94	0.16	59,59,59,59	0
56	MG	2A	3461	1/1	0.94	0.11	59,59,59,59	0
56	MG	1A	3427	1/1	0.94	0.19	27,27,27,27	0
56	MG	2A	3260	1/1	0.94	0.20	58,58,58,58	0
56	MG	1a	1635	1/1	0.94	0.08	58,58,58,58	0
56	MG	1A	3428	1/1	0.94	0.22	43,43,43,43	0
56	MG	1A	3567	1/1	0.94	0.09	67,67,67,67	0
56	MG	1A	3928	1/1	0.94	0.26	71,71,71,71	0
56	MG	1a	1773	1/1	0.94	0.05	94,94,94,94	0
56	MG	2A	3101	1/1	0.94	0.15	65,65,65,65	0
56	MG	1A	3135	1/1	0.94	0.11	61,61,61,61	0
56	MG	1A	3096	1/1	0.94	0.18	44,44,44,44	0
56	MG	2a	1659	1/1	0.94	0.23	46,46,46,46	0
56	MG	1A	3432	1/1	0.94	0.15	34,34,34,34	0
56	MG	1A	3572	1/1	0.94	0.17	69,69,69,69	0
56	MG	1B	201	1/1	0.94	0.08	75,75,75,75	0
56	MG	1a	1647	1/1	0.94	0.11	44,44,44,44	0
56	MG	1A	3495	1/1	0.94	0.18	32,32,32,32	0
56	MG	1A	3575	1/1	0.94	0.08	60,60,60,60	0
56	MG	1A	3720	1/1	0.94	0.07	59,59,59,59	0
56	MG	2A	3482	1/1	0.94	0.15	34,34,34,34	0
56	MG	1A	3137	1/1	0.94	0.18	57,57,57,57	0
56	MG	1a	1790	1/1	0.94	0.13	73,73,73,73	0
56	MG	1A	3194	1/1	0.94	0.13	23,23,23,23	0
56	MG	2a	1884	1/1	0.94	0.08	75,75,75,75	0
56	MG	1a	1654	1/1	0.94	0.07	66,66,66,66	0
56	MG	1A	3269	1/1	0.94	0.14	70,70,70,70	0
56	MG	1A	3015	1/1	0.94	0.14	67,67,67,67	0
56	MG	1A	3735	1/1	0.94	0.06	66,66,66,66	0
56	MG	1B	215	1/1	0.94	0.08	59,59,59,59	0
56	MG	2A	3121	1/1	0.94	0.18	34,34,34,34	0
56	MG	2A	3289	1/1	0.94	0.31	33,33,33,33	0
56	MG	2a	1681	1/1	0.94	0.12	72,72,72,72	0
56	MG	1a	1661	1/1	0.94	0.13	64,64,64,64	0
56	MG	1A	3501	1/1	0.94	0.24	22,22,22,22	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	1A	3737	1/1	0.94	0.10	51,51,51,51	0
56	MG	2A	3125	1/1	0.94	0.09	37,37,37,37	0
56	MG	1a	1801	1/1	0.94	0.13	70,70,70,70	0
56	MG	2A	3499	1/1	0.94	0.24	58,58,58,58	0
56	MG	1A	3503	1/1	0.94	0.28	27,27,27,27	0
56	MG	2A	3128	1/1	0.94	0.25	59,59,59,59	0
56	MG	1o	102	1/1	0.94	0.12	70,70,70,70	0
56	MG	2A	3504	1/1	0.94	0.10	70,70,70,70	0
56	MG	2A	3299	1/1	0.94	0.21	39,39,39,39	0
56	MG	1a	1803	1/1	0.94	0.14	70,70,70,70	0
56	MG	1A	3504	1/1	0.94	0.19	58,58,58,58	0
56	MG	2a	1908	1/1	0.94	0.14	70,70,70,70	0
56	MG	1A	3741	1/1	0.94	0.19	46,46,46,46	0
56	MG	1A	3506	1/1	0.94	0.25	23,23,23,23	0
56	MG	1A	3051	1/1	0.94	0.11	50,50,50,50	0
56	MG	1A	3140	1/1	0.94	0.05	74,74,74,74	0
56	MG	1a	1672	1/1	0.94	0.32	51,51,51,51	0
56	MG	2A	3310	1/1	0.94	0.14	49,49,49,49	0
56	MG	2A	3311	1/1	0.94	0.35	32,32,32,32	0
56	MG	2A	3314	1/1	0.94	0.21	40,40,40,40	0
56	MG	2q	201	1/1	0.94	0.14	82,82,82,82	0
56	MG	1A	3059	1/1	0.94	0.07	33,33,33,33	0
56	MG	1A	3759	1/1	0.94	0.09	56,56,56,56	0
56	MG	1A	3249	1/1	0.94	0.06	48,48,48,48	0
56	MG	2A	3521	1/1	0.94	0.08	69,69,69,69	0
56	MG	2a	1710	1/1	0.94	0.06	63,63,63,63	0
56	MG	2A	3319	1/1	0.94	0.40	36,36,36,36	0
56	MG	2A	3142	1/1	0.94	0.14	38,38,38,38	0
56	MG	2a	1714	1/1	0.94	0.07	88,88,88,88	0
56	MG	2A	3143	1/1	0.94	0.19	43,43,43,43	0
56	MG	1A	3449	1/1	0.94	0.23	34,34,34,34	0
56	MG	1A	3328	1/1	0.94	0.18	52,52,52,52	0
56	MG	1A	3858	1/1	0.94	0.07	68,68,68,68	0
56	MG	1A	3330	1/1	0.94	0.10	41,41,41,41	0
56	MG	2A	3328	1/1	0.94	0.34	50,50,50,50	0
56	MG	1A	3522	1/1	0.94	0.14	27,27,27,27	0
56	MG	1A	3331	1/1	0.94	0.20	52,52,52,52	0
57	AKN	1O	202	40/40	0.94	0.08	43,52,59,65	0
57	AKN	1a	1913	40/40	0.94	0.08	44,55,62,63	0
56	MG	1A	3453	1/1	0.94	0.19	39,39,39,39	0
57	AKN	2A	3576	40/40	0.94	0.08	41,54,64,67	0
56	MG	1A	3613	1/1	0.94	0.12	40,40,40,40	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	1A	3771	1/1	0.94	0.16	46,46,46,46	0
56	MG	1A	3697	1/1	0.95	0.07	41,41,41,41	0
56	MG	1A	3238	1/1	0.95	0.07	57,57,57,57	0
56	MG	2A	3266	1/1	0.95	0.20	46,46,46,46	0
56	MG	1A	3508	1/1	0.95	0.20	58,58,58,58	0
56	MG	2A	3268	1/1	0.95	0.22	34,34,34,34	0
56	MG	1A	3102	1/1	0.95	0.07	70,70,70,70	0
56	MG	2A	3117	1/1	0.95	0.08	47,47,47,47	0
56	MG	17	102	1/1	0.95	0.10	31,31,31,31	0
56	MG	1A	3512	1/1	0.95	0.09	59,59,59,59	0
56	MG	2Q	203	1/1	0.95	0.22	58,58,58,58	0
56	MG	1A	3162	1/1	0.95	0.24	28,28,28,28	0
56	MG	1A	3808	1/1	0.95	0.05	56,56,56,56	0
56	MG	1A	3215	1/1	0.95	0.08	59,59,59,59	0
56	MG	1A	3515	1/1	0.95	0.20	34,34,34,34	0
56	MG	1A	3812	1/1	0.95	0.18	39,39,39,39	0
56	MG	1A	3216	1/1	0.95	0.04	40,40,40,40	0
56	MG	1A	3518	1/1	0.95	0.20	70,70,70,70	0
56	MG	2A	3448	1/1	0.95	0.24	59,59,59,59	0
56	MG	2a	1777	1/1	0.95	0.09	83,83,83,83	0
56	MG	2A	3449	1/1	0.95	0.05	53,53,53,53	0
56	MG	2a	1603	1/1	0.95	0.09	80,80,80,80	0
56	MG	1A	3277	1/1	0.95	0.22	42,42,42,42	0
56	MG	2A	3451	1/1	0.95	0.22	55,55,55,55	0
56	MG	1x	107	1/1	0.95	0.27	69,69,69,69	0
56	MG	2A	3453	1/1	0.95	0.16	57,57,57,57	0
56	MG	1a	1708	1/1	0.95	0.05	64,64,64,64	0
56	MG	2a	1609	1/1	0.95	0.33	71,71,71,71	0
56	MG	1A	3245	1/1	0.95	0.07	52,52,52,52	0
56	MG	1A	3003	1/1	0.95	0.18	53,53,53,53	0
56	MG	1A	3247	1/1	0.95	0.08	56,56,56,56	0
56	MG	1A	3590	1/1	0.95	0.12	45,45,45,45	0
56	MG	1a	1835	1/1	0.95	0.08	74,74,74,74	0
56	MG	1A	3346	1/1	0.95	0.21	23,23,23,23	0
56	MG	1A	3525	1/1	0.95	0.12	64,64,64,64	0
56	MG	1A	3722	1/1	0.95	0.07	63,63,63,63	0
56	MG	1A	3724	1/1	0.95	0.07	60,60,60,60	0
56	MG	2A	3001	1/1	0.95	0.09	69,69,69,69	0
56	MG	1A	3167	1/1	0.95	0.11	68,68,68,68	0
56	MG	1A	3527	1/1	0.95	0.15	74,74,74,74	0
56	MG	1A	3919	1/1	0.95	0.07	43,43,43,43	0
56	MG	1A	3920	1/1	0.95	0.06	38,38,38,38	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	2A	3006	1/1	0.95	0.13	54,54,54,54	0
56	MG	1a	1723	1/1	0.95	0.27	65,65,65,65	0
56	MG	1A	3596	1/1	0.95	0.06	47,47,47,47	0
56	MG	2A	3472	1/1	0.95	0.11	67,67,67,67	0
56	MG	2A	3151	1/1	0.95	0.20	52,52,52,52	0
56	MG	1A	3105	1/1	0.95	0.18	33,33,33,33	0
56	MG	2A	3305	1/1	0.95	0.43	48,48,48,48	0
56	MG	2A	3476	1/1	0.95	0.13	49,49,49,49	0
56	MG	1A	3730	1/1	0.95	0.08	44,44,44,44	0
56	MG	1A	3465	1/1	0.95	0.13	32,32,32,32	0
56	MG	1A	3533	1/1	0.95	0.15	50,50,50,50	0
56	MG	1A	3220	1/1	0.95	0.07	61,61,61,61	0
56	MG	2A	3015	1/1	0.95	0.15	56,56,56,56	0
56	MG	1a	1852	1/1	0.95	0.08	68,68,68,68	0
56	MG	2a	1642	1/1	0.95	0.27	56,56,56,56	0
56	MG	2A	3017	1/1	0.95	0.09	55,55,55,55	0
56	MG	1A	3351	1/1	0.95	0.19	22,22,22,22	0
56	MG	1a	1731	1/1	0.95	0.10	57,57,57,57	0
56	MG	1A	3026	1/1	0.95	0.13	61,61,61,61	0
56	MG	1A	3403	1/1	0.95	0.18	28,28,28,28	0
56	MG	2A	3167	1/1	0.95	0.15	67,67,67,67	0
56	MG	1a	1734	1/1	0.95	0.12	70,70,70,70	0
56	MG	1a	1735	1/1	0.95	0.10	46,46,46,46	0
56	MG	2A	3170	1/1	0.95	0.33	51,51,51,51	0
56	MG	2a	1831	1/1	0.95	0.11	67,67,67,67	0
56	MG	1A	3405	1/1	0.95	0.15	29,29,29,29	0
56	MG	2A	3326	1/1	0.95	0.09	76,76,76,76	0
56	MG	2A	3327	1/1	0.95	0.13	59,59,59,59	0
56	MG	1a	1737	1/1	0.95	0.10	56,56,56,56	0
56	MG	1A	3353	1/1	0.95	0.11	60,60,60,60	0
56	MG	1A	3109	1/1	0.95	0.23	35,35,35,35	0
56	MG	1a	1741	1/1	0.95	0.14	54,54,54,54	0
56	MG	2A	3501	1/1	0.95	0.18	47,47,47,47	0
56	MG	1a	1629	1/1	0.95	0.05	69,69,69,69	0
56	MG	1A	3755	1/1	0.95	0.11	42,42,42,42	0
56	MG	2A	3032	1/1	0.95	0.09	41,41,41,41	0
56	MG	2a	1844	1/1	0.95	0.11	64,64,64,64	0
56	MG	2a	1845	1/1	0.95	0.07	94,94,94,94	0
56	MG	1A	3756	1/1	0.95	0.14	36,36,36,36	0
56	MG	2A	3338	1/1	0.95	0.14	74,74,74,74	0
56	MG	1A	3173	1/1	0.95	0.23	24,24,24,24	0
56	MG	2A	3340	1/1	0.95	0.13	55,55,55,55	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	2a	1669	1/1	0.95	0.12	91,91,91,91	0
56	MG	1A	3412	1/1	0.95	0.25	35,35,35,35	0
56	MG	1B	208	1/1	0.95	0.18	53,53,53,53	0
56	MG	1A	3844	1/1	0.95	0.12	69,69,69,69	0
56	MG	2A	3344	1/1	0.95	0.14	39,39,39,39	0
56	MG	2A	3038	1/1	0.95	0.09	69,69,69,69	0
56	MG	1B	211	1/1	0.95	0.14	62,62,62,62	0
56	MG	2A	3040	1/1	0.95	0.15	34,34,34,34	0
56	MG	2A	3349	1/1	0.95	0.24	32,32,32,32	0
56	MG	2A	3350	1/1	0.95	0.16	44,44,44,44	0
56	MG	1A	3632	1/1	0.95	0.11	44,44,44,44	0
56	MG	2A	3352	1/1	0.95	0.25	21,21,21,21	0
56	MG	2A	3353	1/1	0.95	0.29	30,30,30,30	0
56	MG	1A	3633	1/1	0.95	0.07	43,43,43,43	0
56	MG	1A	3847	1/1	0.95	0.06	56,56,56,56	0
56	MG	2a	1866	1/1	0.95	0.10	63,63,63,63	0
56	MG	1A	3110	1/1	0.95	0.17	42,42,42,42	0
56	MG	1a	1757	1/1	0.95	0.11	73,73,73,73	0
56	MG	1a	1643	1/1	0.95	0.07	66,66,66,66	0
56	MG	2A	3359	1/1	0.95	0.27	31,31,31,31	0
56	MG	1A	3638	1/1	0.95	0.11	29,29,29,29	0
56	MG	1a	1761	1/1	0.95	0.08	63,63,63,63	0
56	MG	1a	1645	1/1	0.95	0.13	57,57,57,57	0
56	MG	1A	3416	1/1	0.95	0.11	38,38,38,38	0
56	MG	2a	1693	1/1	0.95	0.06	97,97,97,97	0
56	MG	2A	3201	1/1	0.95	0.08	53,53,53,53	0
56	MG	1A	3767	1/1	0.95	0.16	57,57,57,57	0
56	MG	1A	3852	1/1	0.95	0.10	64,64,64,64	0
56	MG	1A	3640	1/1	0.95	0.12	53,53,53,53	0
56	MG	1B	223	1/1	0.95	0.07	44,44,44,44	0
56	MG	2a	1699	1/1	0.95	0.18	84,84,84,84	0
56	MG	1A	3030	1/1	0.95	0.05	56,56,56,56	0
56	MG	2A	3060	1/1	0.95	0.06	40,40,40,40	0
56	MG	1A	3146	1/1	0.95	0.08	56,56,56,56	0
56	MG	2A	3210	1/1	0.95	0.07	53,53,53,53	0
56	MG	1A	3047	1/1	0.95	0.38	64,64,64,64	0
56	MG	1A	3361	1/1	0.95	0.17	59,59,59,59	0
56	MG	1A	3362	1/1	0.95	0.25	53,53,53,53	0
56	MG	1A	3114	1/1	0.95	0.15	28,28,28,28	0
56	MG	1A	3655	1/1	0.95	0.16	52,52,52,52	0
56	MG	1A	3150	1/1	0.95	0.10	59,59,59,59	0
56	MG	2A	3069	1/1	0.95	0.13	48,48,48,48	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	1a	1895	1/1	0.95	0.04	65,65,65,65	0
56	MG	1A	3781	1/1	0.95	0.19	54,54,54,54	0
56	MG	1A	3554	1/1	0.95	0.12	64,64,64,64	0
56	MG	1A	3430	1/1	0.95	0.13	35,35,35,35	0
56	MG	1D	306	1/1	0.95	0.06	58,58,58,58	0
56	MG	1A	3660	1/1	0.95	0.08	42,42,42,42	0
56	MG	1A	3133	1/1	0.95	0.17	57,57,57,57	0
56	MG	2A	3557	1/1	0.95	0.16	42,42,42,42	0
56	MG	2A	3558	1/1	0.95	0.18	53,53,53,53	0
56	MG	1A	3662	1/1	0.95	0.08	40,40,40,40	0
56	MG	1a	1786	1/1	0.95	0.04	73,73,73,73	0
56	MG	1a	1787	1/1	0.95	0.35	51,51,51,51	0
56	MG	2a	1726	1/1	0.95	0.08	65,65,65,65	0
56	MG	2A	3081	1/1	0.95	0.14	62,62,62,62	0
56	MG	1a	1788	1/1	0.95	0.04	99,99,99,99	0
56	MG	1A	3099	1/1	0.95	0.10	31,31,31,31	0
56	MG	1A	3183	1/1	0.95	0.05	52,52,52,52	0
56	MG	1N	201	1/1	0.95	0.08	47,47,47,47	0
56	MG	1A	3435	1/1	0.95	0.21	42,42,42,42	0
56	MG	1A	3370	1/1	0.95	0.07	60,60,60,60	0
56	MG	1a	1912	1/1	0.95	0.04	79,79,79,79	0
56	MG	1A	3791	1/1	0.95	0.09	70,70,70,70	0
56	MG	2A	3091	1/1	0.95	0.10	74,74,74,74	0
56	MG	2A	3575	1/1	0.95	0.09	78,78,78,78	0
56	MG	1A	3678	1/1	0.95	0.06	35,35,35,35	0
56	MG	1A	3327	1/1	0.95	0.17	51,51,51,51	0
56	MG	2A	3096	1/1	0.95	0.09	42,42,42,42	0
56	MG	1P	202	1/1	0.95	0.18	60,60,60,60	0
56	MG	2a	1742	1/1	0.95	0.09	76,76,76,76	0
56	MG	2A	3413	1/1	0.95	0.08	72,72,72,72	0
56	MG	1A	3031	1/1	0.95	0.14	64,64,64,64	0
56	MG	1a	1683	1/1	0.95	0.13	77,77,77,77	0
56	MG	1Q	201	1/1	0.95	0.22	56,56,56,56	0
56	MG	1f	201	1/1	0.95	0.11	57,57,57,57	0
56	MG	1A	3375	1/1	0.95	0.15	26,26,26,26	0
56	MG	1A	3235	1/1	0.95	0.04	69,69,69,69	0
56	MG	1A	3005	1/1	0.95	0.09	42,42,42,42	0
56	MG	1A	3445	1/1	0.95	0.30	52,52,52,52	0
57	AKN	1A	3936	40/40	0.95	0.07	23,36,46,48	0
56	MG	1A	3569	1/1	0.95	0.05	79,79,79,79	0
56	MG	1a	1691	1/1	0.95	0.10	69,69,69,69	0
56	MG	2A	3259	1/1	0.95	0.20	72,72,72,72	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	2A	3110	1/1	0.95	0.08	58,58,58,58	0
56	MG	1A	3270	1/1	0.95	0.09	56,56,56,56	0
56	MG	1A	3187	1/1	0.95	0.10	57,57,57,57	0
56	MG	2E	301	1/1	0.95	0.10	52,52,52,52	0
58	ZN	2n	501	1/1	0.95	0.08	111,111,111,111	0
56	MG	1A	3731	1/1	0.96	0.05	54,54,54,54	0
56	MG	1A	3732	1/1	0.96	0.07	39,39,39,39	0
56	MG	1A	3170	1/1	0.96	0.21	63,63,63,63	0
56	MG	1A	3054	1/1	0.96	0.11	53,53,53,53	0
56	MG	2Q	202	1/1	0.96	0.06	72,72,72,72	0
56	MG	1B	210	1/1	0.96	0.08	55,55,55,55	0
56	MG	1A	3619	1/1	0.96	0.08	53,53,53,53	0
56	MG	1A	3018	1/1	0.96	0.20	42,42,42,42	0
56	MG	2W	201	1/1	0.96	0.09	54,54,54,54	0
56	MG	1A	3622	1/1	0.96	0.10	59,59,59,59	0
56	MG	1A	3001	1/1	0.96	0.16	26,26,26,26	0
56	MG	2A	3444	1/1	0.96	0.08	45,45,45,45	0
56	MG	1a	1653	1/1	0.96	0.08	72,72,72,72	0
56	MG	2A	3446	1/1	0.96	0.25	50,50,50,50	0
56	MG	1A	3742	1/1	0.96	0.05	53,53,53,53	0
56	MG	1m	201	1/1	0.96	0.09	57,57,57,57	0
56	MG	1A	3417	1/1	0.96	0.12	47,47,47,47	0
56	MG	1B	217	1/1	0.96	0.23	56,56,56,56	0
56	MG	1A	3329	1/1	0.96	0.20	32,32,32,32	0
56	MG	1A	3748	1/1	0.96	0.23	48,48,48,48	0
56	MG	1A	3125	1/1	0.96	0.11	40,40,40,40	0
56	MG	1A	3751	1/1	0.96	0.14	47,47,47,47	0
56	MG	1A	3752	1/1	0.96	0.05	24,24,24,24	0
56	MG	1A	3754	1/1	0.96	0.07	57,57,57,57	0
56	MG	1B	225	1/1	0.96	0.20	58,58,58,58	0
56	MG	1A	3421	1/1	0.96	0.29	37,37,37,37	0
56	MG	1A	3076	1/1	0.96	0.12	51,51,51,51	0
56	MG	1A	3369	1/1	0.96	0.08	63,63,63,63	0
56	MG	1A	3635	1/1	0.96	0.14	53,53,53,53	0
56	MG	2a	1794	1/1	0.96	0.10	58,58,58,58	0
56	MG	2a	1795	1/1	0.96	0.31	47,47,47,47	0
56	MG	1A	3637	1/1	0.96	0.06	31,31,31,31	0
56	MG	1A	3425	1/1	0.96	0.22	42,42,42,42	0
56	MG	1A	3481	1/1	0.96	0.14	41,41,41,41	0
56	MG	2A	3136	1/1	0.96	0.12	42,42,42,42	0
56	MG	1A	3426	1/1	0.96	0.09	33,33,33,33	0
56	MG	1A	3641	1/1	0.96	0.05	57,57,57,57	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	1A	3049	1/1	0.96	0.10	48,48,48,48	0
56	MG	2A	3297	1/1	0.96	0.04	71,71,71,71	0
56	MG	1A	3644	1/1	0.96	0.15	59,59,59,59	0
56	MG	1A	3862	1/1	0.96	0.09	47,47,47,47	0
56	MG	1A	3148	1/1	0.96	0.11	59,59,59,59	0
56	MG	1A	3078	1/1	0.96	0.15	41,41,41,41	0
56	MG	1a	1815	1/1	0.96	0.16	54,54,54,54	0
56	MG	2a	1630	1/1	0.96	0.22	59,59,59,59	0
56	MG	2A	3145	1/1	0.96	0.19	37,37,37,37	0
56	MG	1a	1684	1/1	0.96	0.12	56,56,56,56	0
56	MG	1F	303	1/1	0.96	0.06	50,50,50,50	0
56	MG	1F	304	1/1	0.96	0.17	58,58,58,58	0
56	MG	1A	3033	1/1	0.96	0.17	64,64,64,64	0
56	MG	2A	3480	1/1	0.96	0.04	54,54,54,54	0
56	MG	2a	1637	1/1	0.96	0.09	60,60,60,60	0
56	MG	2A	3309	1/1	0.96	0.12	36,36,36,36	0
56	MG	1a	1820	1/1	0.96	0.10	43,43,43,43	0
56	MG	1a	1821	1/1	0.96	0.10	55,55,55,55	0
56	MG	1A	3649	1/1	0.96	0.09	81,81,81,81	0
56	MG	1G	201	1/1	0.96	0.14	40,40,40,40	0
56	MG	1G	202	1/1	0.96	0.19	37,37,37,37	0
56	MG	2A	3156	1/1	0.96	0.05	73,73,73,73	0
56	MG	1A	3093	1/1	0.96	0.16	42,42,42,42	0
56	MG	2A	3007	1/1	0.96	0.06	46,46,46,46	0
56	MG	2a	1827	1/1	0.96	0.04	65,65,65,65	0
56	MG	2A	3490	1/1	0.96	0.07	72,72,72,72	0
56	MG	1A	3652	1/1	0.96	0.06	38,38,38,38	0
56	MG	2A	3160	1/1	0.96	0.13	57,57,57,57	0
56	MG	1A	3776	1/1	0.96	0.10	16,16,16,16	0
56	MG	2A	3162	1/1	0.96	0.07	76,76,76,76	0
56	MG	1A	3777	1/1	0.96	0.08	60,60,60,60	0
56	MG	1A	3489	1/1	0.96	0.08	49,49,49,49	0
56	MG	1A	3654	1/1	0.96	0.10	41,41,41,41	0
56	MG	1A	3209	1/1	0.96	0.20	60,60,60,60	0
56	MG	1A	3492	1/1	0.96	0.20	27,27,27,27	0
56	MG	1A	3433	1/1	0.96	0.10	35,35,35,35	0
56	MG	1Q	203	1/1	0.96	0.11	71,71,71,71	0
56	MG	1A	3020	1/1	0.96	0.06	45,45,45,45	0
56	MG	2a	1841	1/1	0.96	0.10	66,66,66,66	0
56	MG	1A	3379	1/1	0.96	0.16	56,56,56,56	0
56	MG	1T	201	1/1	0.96	0.08	53,53,53,53	0
56	MG	1U	201	1/1	0.96	0.07	38,38,38,38	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	1A	3340	1/1	0.96	0.16	45,45,45,45	0
56	MG	1V	202	1/1	0.96	0.16	52,52,52,52	0
56	MG	2A	3509	1/1	0.96	0.10	46,46,46,46	0
56	MG	1A	3437	1/1	0.96	0.14	46,46,46,46	0
56	MG	1W	201	1/1	0.96	0.24	61,61,61,61	0
56	MG	1W	202	1/1	0.96	0.19	43,43,43,43	0
56	MG	1A	3242	1/1	0.96	0.18	63,63,63,63	0
56	MG	2a	1852	1/1	0.96	0.10	79,79,79,79	0
56	MG	2A	3180	1/1	0.96	0.05	61,61,61,61	0
56	MG	1X	101	1/1	0.96	0.10	44,44,44,44	0
56	MG	1A	3383	1/1	0.96	0.07	53,53,53,53	0
56	MG	1a	1849	1/1	0.96	0.08	75,75,75,75	0
56	MG	1A	3882	1/1	0.96	0.06	48,48,48,48	0
56	MG	1a	1714	1/1	0.96	0.10	58,58,58,58	0
56	MG	2a	1679	1/1	0.96	0.09	66,66,66,66	0
56	MG	1A	3069	1/1	0.96	0.13	32,32,32,32	0
56	MG	15	101	1/1	0.96	0.17	31,31,31,31	0
56	MG	1A	3442	1/1	0.96	0.07	33,33,33,33	0
56	MG	1A	3385	1/1	0.96	0.08	56,56,56,56	0
56	MG	1A	3886	1/1	0.96	0.05	76,76,76,76	0
56	MG	1a	1720	1/1	0.96	0.08	88,88,88,88	0
56	MG	1A	3244	1/1	0.96	0.10	61,61,61,61	0
56	MG	1A	3113	1/1	0.96	0.05	43,43,43,43	0
56	MG	1A	3345	1/1	0.96	0.09	53,53,53,53	0
56	MG	1A	3682	1/1	0.96	0.06	52,52,52,52	0
56	MG	1A	3447	1/1	0.96	0.15	35,35,35,35	0
56	MG	1A	3576	1/1	0.96	0.07	56,56,56,56	0
56	MG	2A	3200	1/1	0.96	0.12	64,64,64,64	0
56	MG	2A	3365	1/1	0.96	0.38	33,33,33,33	0
56	MG	1A	3159	1/1	0.96	0.27	34,34,34,34	0
56	MG	1A	3690	1/1	0.96	0.06	58,58,58,58	0
56	MG	2A	3048	1/1	0.96	0.11	66,66,66,66	0
56	MG	1A	3186	1/1	0.96	0.08	59,59,59,59	0
56	MG	2A	3538	1/1	0.96	0.07	65,65,65,65	0
56	MG	1A	3392	1/1	0.96	0.28	33,33,33,33	0
56	MG	1A	3053	1/1	0.96	0.05	40,40,40,40	0
56	MG	2A	3207	1/1	0.96	0.07	71,71,71,71	0
56	MG	2a	1702	1/1	0.96	0.04	75,75,75,75	0
56	MG	1A	3898	1/1	0.96	0.10	46,46,46,46	0
56	MG	1A	3899	1/1	0.96	0.14	50,50,50,50	0
56	MG	1A	3901	1/1	0.96	0.23	40,40,40,40	0
56	MG	2A	3056	1/1	0.96	0.08	53,53,53,53	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	1A	3097	1/1	0.96	0.13	42,42,42,42	0
56	MG	1a	1608	1/1	0.96	0.06	66,66,66,66	0
56	MG	1A	3582	1/1	0.96	0.07	70,70,70,70	0
56	MG	2A	3380	1/1	0.96	0.26	42,42,42,42	0
56	MG	1a	1738	1/1	0.96	0.24	52,52,52,52	0
56	MG	1a	1610	1/1	0.96	0.07	68,68,68,68	0
56	MG	1A	3905	1/1	0.96	0.22	46,46,46,46	0
56	MG	1A	3583	1/1	0.96	0.09	64,64,64,64	0
56	MG	1A	3189	1/1	0.96	0.08	55,55,55,55	0
56	MG	1A	3702	1/1	0.96	0.05	29,29,29,29	0
56	MG	1a	1881	1/1	0.96	0.12	64,64,64,64	0
56	MG	2A	3223	1/1	0.96	0.06	54,54,54,54	0
56	MG	1A	3519	1/1	0.96	0.12	60,60,60,60	0
56	MG	1A	3810	1/1	0.96	0.20	48,48,48,48	0
56	MG	1A	3072	1/1	0.96	0.15	49,49,49,49	0
56	MG	1a	1747	1/1	0.96	0.17	21,21,21,21	0
56	MG	1A	3164	1/1	0.96	0.23	31,31,31,31	0
56	MG	2A	3394	1/1	0.96	0.34	56,56,56,56	0
56	MG	1A	3914	1/1	0.96	0.14	42,42,42,42	0
56	MG	1A	3165	1/1	0.96	0.17	18,18,18,18	0
56	MG	2A	3568	1/1	0.96	0.09	67,67,67,67	0
56	MG	1a	1751	1/1	0.96	0.29	49,49,49,49	0
56	MG	2A	3398	1/1	0.96	0.19	44,44,44,44	0
56	MG	1A	3166	1/1	0.96	0.15	30,30,30,30	0
56	MG	1A	3085	1/1	0.96	0.11	37,37,37,37	0
56	MG	1A	3461	1/1	0.96	0.18	21,21,21,21	0
56	MG	2A	3235	1/1	0.96	0.28	50,50,50,50	0
56	MG	1A	3712	1/1	0.96	0.05	65,65,65,65	0
56	MG	1a	1756	1/1	0.96	0.09	67,67,67,67	0
56	MG	2A	3238	1/1	0.96	0.21	40,40,40,40	0
56	MG	1A	3357	1/1	0.96	0.08	49,49,49,49	0
56	MG	1a	1758	1/1	0.96	0.07	63,63,63,63	0
56	MG	1A	3168	1/1	0.96	0.23	29,29,29,29	0
56	MG	1A	3595	1/1	0.96	0.07	53,53,53,53	0
56	MG	1A	3529	1/1	0.96	0.20	50,50,50,50	0
56	MG	1A	3925	1/1	0.96	0.14	40,40,40,40	0
56	MG	1A	3718	1/1	0.96	0.06	68,68,68,68	0
56	MG	1A	3464	1/1	0.96	0.26	45,45,45,45	0
56	MG	1a	1903	1/1	0.96	0.12	62,62,62,62	0
56	MG	2A	3092	1/1	0.96	0.14	39,39,39,39	0
56	MG	1a	1632	1/1	0.96	0.20	47,47,47,47	0
56	MG	1A	3196	1/1	0.96	0.18	59,59,59,59	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	2x	107	1/1	0.96	0.10	66,66,66,66	0
56	MG	2A	3253	1/1	0.96	0.13	45,45,45,45	0
56	MG	1A	3599	1/1	0.96	0.19	69,69,69,69	0
56	MG	1A	3119	1/1	0.96	0.07	41,41,41,41	0
56	MG	1A	3606	1/1	0.96	0.05	34,34,34,34	0
56	MG	1A	3409	1/1	0.96	0.08	32,32,32,32	0
56	MG	1A	3935	1/1	0.96	0.11	60,60,60,60	0
56	MG	1A	3611	1/1	0.96	0.08	25,25,25,25	0
56	MG	1A	3410	1/1	0.96	0.24	30,30,30,30	0
56	MG	2A	3261	1/1	0.96	0.16	81,81,81,81	0
56	MG	1B	203	1/1	0.96	0.11	51,51,51,51	0
56	MG	1A	3614	1/1	0.96	0.06	57,57,57,57	0
56	MG	2a	1823	1/1	0.97	0.05	89,89,89,89	0
56	MG	1a	1782	1/1	0.97	0.04	70,70,70,70	0
56	MG	1a	1783	1/1	0.97	0.05	67,67,67,67	0
56	MG	1A	3402	1/1	0.97	0.23	40,40,40,40	0
56	MG	2A	3088	1/1	0.97	0.06	39,39,39,39	0
56	MG	1A	3624	1/1	0.97	0.06	34,34,34,34	0
56	MG	1A	3574	1/1	0.97	0.05	81,81,81,81	0
56	MG	1A	3695	1/1	0.97	0.07	32,32,32,32	0
56	MG	1E	301	1/1	0.97	0.11	46,46,46,46	0
56	MG	1A	3834	1/1	0.97	0.13	58,58,58,58	0
56	MG	1A	3900	1/1	0.97	0.07	62,62,62,62	0
56	MG	1a	1791	1/1	0.97	0.10	75,75,75,75	0
56	MG	2A	3097	1/1	0.97	0.23	46,46,46,46	0
56	MG	2A	3098	1/1	0.97	0.14	41,41,41,41	0
56	MG	28	101	1/1	0.97	0.20	49,49,49,49	0
56	MG	2a	1718	1/1	0.97	0.04	87,87,87,87	0
56	MG	2A	3193	1/1	0.97	0.03	56,56,56,56	0
56	MG	1A	3121	1/1	0.97	0.25	49,49,49,49	0
56	MG	2A	3508	1/1	0.97	0.06	55,55,55,55	0
56	MG	2A	3195	1/1	0.97	0.10	58,58,58,58	0
56	MG	1A	3628	1/1	0.97	0.05	33,33,33,33	0
56	MG	1A	3404	1/1	0.97	0.23	39,39,39,39	0
56	MG	2A	3405	1/1	0.97	0.27	43,43,43,43	0
56	MG	1A	3904	1/1	0.97	0.11	38,38,38,38	0
56	MG	1A	3700	1/1	0.97	0.12	33,33,33,33	0
56	MG	1A	3380	1/1	0.97	0.06	43,43,43,43	0
56	MG	1A	3498	1/1	0.97	0.25	24,24,24,24	0
56	MG	2A	3410	1/1	0.97	0.26	26,26,26,26	0
56	MG	1a	1636	1/1	0.97	0.08	74,74,74,74	0
56	MG	2A	3302	1/1	0.97	0.19	32,32,32,32	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	1A	3160	1/1	0.97	0.16	25,25,25,25	0
56	MG	1A	3115	1/1	0.97	0.04	42,42,42,42	0
56	MG	1N	203	1/1	0.97	0.04	37,37,37,37	0
56	MG	1A	3910	1/1	0.97	0.04	48,48,48,48	0
56	MG	1A	3705	1/1	0.97	0.14	58,58,58,58	0
56	MG	1A	3779	1/1	0.97	0.04	39,39,39,39	0
56	MG	1A	3636	1/1	0.97	0.04	53,53,53,53	0
56	MG	1A	3707	1/1	0.97	0.08	32,32,32,32	0
56	MG	1A	3067	1/1	0.97	0.05	35,35,35,35	0
56	MG	2A	3422	1/1	0.97	0.18	36,36,36,36	0
56	MG	2A	3312	1/1	0.97	0.34	32,32,32,32	0
56	MG	1A	3542	1/1	0.97	0.05	68,68,68,68	0
56	MG	1A	3917	1/1	0.97	0.11	53,53,53,53	0
56	MG	1A	3502	1/1	0.97	0.18	23,23,23,23	0
56	MG	2a	1629	1/1	0.97	0.06	69,69,69,69	0
56	MG	1A	3363	1/1	0.97	0.06	72,72,72,72	0
56	MG	1A	3439	1/1	0.97	0.22	48,48,48,48	0
56	MG	1A	3144	1/1	0.97	0.22	44,44,44,44	0
56	MG	2A	3028	1/1	0.97	0.05	53,53,53,53	0
56	MG	2A	3219	1/1	0.97	0.12	67,67,67,67	0
56	MG	1A	3643	1/1	0.97	0.09	40,40,40,40	0
56	MG	1A	3316	1/1	0.97	0.10	47,47,47,47	0
56	MG	1A	3855	1/1	0.97	0.10	67,67,67,67	0
56	MG	1A	3413	1/1	0.97	0.26	28,28,28,28	0
56	MG	2a	1639	1/1	0.97	0.04	42,42,42,42	0
56	MG	1A	3717	1/1	0.97	0.09	41,41,41,41	0
56	MG	1a	1658	1/1	0.97	0.13	35,35,35,35	0
56	MG	1W	203	1/1	0.97	0.12	46,46,46,46	0
56	MG	2A	3439	1/1	0.97	0.12	52,52,52,52	0
56	MG	1A	3509	1/1	0.97	0.07	40,40,40,40	0
56	MG	1a	1824	1/1	0.97	0.04	57,57,57,57	0
56	MG	1A	3387	1/1	0.97	0.04	49,49,49,49	0
56	MG	10	101	1/1	0.97	0.05	47,47,47,47	0
56	MG	1A	3332	1/1	0.97	0.06	53,53,53,53	0
56	MG	2A	3041	1/1	0.97	0.04	70,70,70,70	0
56	MG	2A	3337	1/1	0.97	0.11	52,52,52,52	0
56	MG	1A	3152	1/1	0.97	0.29	28,28,28,28	0
56	MG	1A	3651	1/1	0.97	0.20	58,58,58,58	0
56	MG	1A	3350	1/1	0.97	0.20	49,49,49,49	0
56	MG	1a	1831	1/1	0.97	0.12	43,43,43,43	0
56	MG	1a	1668	1/1	0.97	0.13	64,64,64,64	0
56	MG	2A	3559	1/1	0.97	0.19	39,39,39,39	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	1e	201	1/1	0.97	0.05	46,46,46,46	0
56	MG	2A	3239	1/1	0.97	0.18	39,39,39,39	0
56	MG	2A	3345	1/1	0.97	0.28	40,40,40,40	0
56	MG	1A	3419	1/1	0.97	0.23	35,35,35,35	0
56	MG	1A	3448	1/1	0.97	0.11	40,40,40,40	0
56	MG	1A	3210	1/1	0.97	0.23	49,49,49,49	0
56	MG	2A	3146	1/1	0.97	0.18	37,37,37,37	0
56	MG	2A	3567	1/1	0.97	0.11	62,62,62,62	0
56	MG	2a	1666	1/1	0.97	0.04	74,74,74,74	0
56	MG	2A	3244	1/1	0.97	0.17	34,34,34,34	0
56	MG	2a	1905	1/1	0.97	0.04	63,63,63,63	0
56	MG	2a	1906	1/1	0.97	0.08	96,96,96,96	0
56	MG	1A	3153	1/1	0.97	0.25	23,23,23,23	0
56	MG	1A	3371	1/1	0.97	0.20	23,23,23,23	0
56	MG	1f	202	1/1	0.97	0.06	77,77,77,77	0
56	MG	2a	1790	1/1	0.97	0.15	39,39,39,39	0
56	MG	1A	3423	1/1	0.97	0.13	28,28,28,28	0
56	MG	1a	1676	1/1	0.97	0.13	58,58,58,58	0
56	MG	1A	3734	1/1	0.97	0.12	40,40,40,40	0
56	MG	1A	3602	1/1	0.97	0.08	31,31,31,31	0
56	MG	1A	3604	1/1	0.97	0.11	58,58,58,58	0
56	MG	1A	3605	1/1	0.97	0.05	52,52,52,52	0
56	MG	1A	3055	1/1	0.97	0.17	44,44,44,44	0
56	MG	1A	3607	1/1	0.97	0.06	50,50,50,50	0
56	MG	1A	3667	1/1	0.97	0.05	24,24,24,24	0
56	MG	1A	3670	1/1	0.97	0.11	47,47,47,47	0
56	MG	1A	3673	1/1	0.97	0.06	27,27,27,27	0
56	MG	1A	3674	1/1	0.97	0.05	26,26,26,26	0
56	MG	1A	3608	1/1	0.97	0.10	38,38,38,38	0
56	MG	2A	3068	1/1	0.97	0.29	59,59,59,59	0
56	MG	1A	3373	1/1	0.97	0.17	27,27,27,27	0
56	MG	1A	3750	1/1	0.97	0.12	42,42,42,42	0
56	MG	1A	3455	1/1	0.97	0.23	42,42,42,42	0
56	MG	1B	221	1/1	0.97	0.29	43,43,43,43	0
56	MG	2B	215	1/1	0.97	0.11	62,62,62,62	0
56	MG	1A	3156	1/1	0.97	0.08	59,59,59,59	0
56	MG	1A	3488	1/1	0.97	0.05	37,37,37,37	0
56	MG	2A	3075	1/1	0.97	0.34	66,66,66,66	0
56	MG	2D	304	1/1	0.97	0.09	33,33,33,33	0
56	MG	1A	3052	1/1	0.97	0.05	36,36,36,36	0
56	MG	1A	3616	1/1	0.97	0.10	46,46,46,46	0
56	MG	1A	3757	1/1	0.97	0.09	59,59,59,59	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	1A	3255	1/1	0.97	0.05	50,50,50,50	0
56	MG	1A	3491	1/1	0.97	0.15	41,41,41,41	0
56	MG	1A	3761	1/1	0.97	0.11	61,61,61,61	0
56	MG	1A	3070	1/1	0.97	0.10	39,39,39,39	0
56	MG	1A	3689	1/1	0.97	0.08	46,46,46,46	0
58	ZN	24	501	1/1	0.97	0.10	138,138,138,138	0
56	MG	1A	3310	1/1	0.97	0.16	57,57,57,57	0
56	MG	1A	3011	1/1	0.98	0.04	42,42,42,42	0
56	MG	1A	3829	1/1	0.98	0.09	51,51,51,51	0
56	MG	2a	1645	1/1	0.98	0.04	75,75,75,75	0
56	MG	2A	3318	1/1	0.98	0.27	36,36,36,36	0
56	MG	1A	3143	1/1	0.98	0.12	26,26,26,26	0
56	MG	1A	3543	1/1	0.98	0.08	61,61,61,61	0
56	MG	1a	1675	1/1	0.98	0.28	41,41,41,41	0
56	MG	1A	3630	1/1	0.98	0.08	32,32,32,32	0
56	MG	1A	3663	1/1	0.98	0.05	25,25,25,25	0
56	MG	1A	3396	1/1	0.98	0.11	19,19,19,19	0
56	MG	1A	3753	1/1	0.98	0.07	29,29,29,29	0
56	MG	2a	1713	1/1	0.98	0.06	69,69,69,69	0
56	MG	2A	3271	1/1	0.98	0.08	45,45,45,45	0
56	MG	1A	3022	1/1	0.98	0.04	59,59,59,59	0
56	MG	1A	3414	1/1	0.98	0.30	46,46,46,46	0
56	MG	1A	3212	1/1	0.98	0.11	56,56,56,56	0
56	MG	1A	3083	1/1	0.98	0.18	40,40,40,40	0
56	MG	1A	3009	1/1	0.98	0.03	70,70,70,70	0
56	MG	1l	203	1/1	0.98	0.05	60,60,60,60	0
56	MG	1D	301	1/1	0.98	0.14	26,26,26,26	0
56	MG	1A	3603	1/1	0.98	0.04	43,43,43,43	0
56	MG	1A	3505	1/1	0.98	0.10	27,27,27,27	0
56	MG	1A	3225	1/1	0.98	0.05	56,56,56,56	0
56	MG	1A	3528	1/1	0.98	0.05	49,49,49,49	0
56	MG	1A	3178	1/1	0.98	0.09	55,55,55,55	0
56	MG	1A	3530	1/1	0.98	0.05	41,41,41,41	0
56	MG	1A	3929	1/1	0.98	0.07	53,53,53,53	0
56	MG	1A	3262	1/1	0.98	0.08	45,45,45,45	0
56	MG	1A	3684	1/1	0.98	0.05	47,47,47,47	0
56	MG	1A	3128	1/1	0.98	0.06	35,35,35,35	0
56	MG	1A	3510	1/1	0.98	0.32	53,53,53,53	0
56	MG	1A	3250	1/1	0.98	0.10	57,57,57,57	0
56	MG	2A	3404	1/1	0.98	0.13	37,37,37,37	0
56	MG	1A	3647	1/1	0.98	0.06	63,63,63,63	0
56	MG	2A	3135	1/1	0.98	0.15	30,30,30,30	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	1A	3155	1/1	0.98	0.24	40,40,40,40	0
56	MG	1A	3729	1/1	0.98	0.06	47,47,47,47	0
56	MG	1A	3407	1/1	0.98	0.12	39,39,39,39	0
56	MG	1A	3775	1/1	0.98	0.04	67,67,67,67	0
56	MG	1A	3692	1/1	0.98	0.06	19,19,19,19	0
56	MG	1B	207	1/1	0.98	0.03	54,54,54,54	0
56	MG	1A	3476	1/1	0.98	0.25	21,21,21,21	0
56	MG	1a	1657	1/1	0.98	0.06	54,54,54,54	0
56	MG	1A	3618	1/1	0.98	0.06	31,31,31,31	0
56	MG	2A	3093	1/1	0.98	0.10	42,42,42,42	0
56	MG	1A	3106	1/1	0.98	0.06	42,42,42,42	0
56	MG	2A	3360	1/1	0.98	0.14	40,40,40,40	0
56	MG	1A	3696	1/1	0.98	0.07	44,44,44,44	0
56	MG	1A	3589	1/1	0.98	0.04	54,54,54,54	0
56	MG	1A	3621	1/1	0.98	0.05	62,62,62,62	0
56	MG	1Q	202	1/1	0.98	0.06	18,18,18,18	0
56	MG	1A	3253	1/1	0.98	0.06	49,49,49,49	0
56	MG	1A	3740	1/1	0.98	0.04	54,54,54,54	0
56	MG	1A	3656	1/1	0.98	0.05	54,54,54,54	0
56	MG	2A	3051	1/1	0.98	0.04	42,42,42,42	0
56	MG	1R	203	1/1	0.98	0.06	59,59,59,59	0
56	MG	2A	3313	1/1	0.98	0.27	36,36,36,36	0
56	MG	1A	3517	1/1	0.98	0.29	19,19,19,19	0
56	MG	2F	302	1/1	0.98	0.07	60,60,60,60	0
58	ZN	29	501	1/1	0.98	0.05	92,92,92,92	0
56	MG	1A	3566	1/1	0.98	0.10	70,70,70,70	0
56	MG	2a	1785	1/1	0.99	0.03	71,71,71,71	0
56	MG	1a	1805	1/1	0.99	0.10	41,41,41,41	0
56	MG	1A	3668	1/1	0.99	0.07	31,31,31,31	0
56	MG	1A	3683	1/1	0.99	0.03	32,32,32,32	0
56	MG	1E	302	1/1	0.99	0.26	22,22,22,22	0
56	MG	1a	1781	1/1	0.99	0.04	53,53,53,53	0
56	MG	1A	3669	1/1	0.99	0.03	21,21,21,21	0
56	MG	1A	3107	1/1	0.99	0.03	34,34,34,34	0
56	MG	1A	3733	1/1	0.99	0.03	21,21,21,21	0
56	MG	1A	3931	1/1	0.99	0.10	36,36,36,36	0
56	MG	1A	3671	1/1	0.99	0.06	45,45,45,45	0
56	MG	2A	3334	1/1	0.99	0.06	44,44,44,44	0
56	MG	1A	3687	1/1	0.99	0.03	37,37,37,37	0
56	MG	1A	3672	1/1	0.99	0.06	34,34,34,34	0
56	MG	1A	3120	1/1	0.99	0.06	43,43,43,43	0
56	MG	1A	3629	1/1	0.99	0.03	25,25,25,25	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	1A	3760	1/1	0.99	0.10	46,46,46,46	0
56	MG	1A	3721	1/1	0.99	0.04	35,35,35,35	0
56	MG	1A	3559	1/1	0.99	0.04	41,41,41,41	0
56	MG	2A	3400	1/1	0.99	0.34	28,28,28,28	0
56	MG	1A	3723	1/1	0.99	0.03	33,33,33,33	0
56	MG	1B	229	1/1	0.99	0.07	33,33,33,33	0
56	MG	1A	3610	1/1	0.99	0.06	31,31,31,31	0
56	MG	1A	3104	1/1	0.99	0.09	39,39,39,39	0
56	MG	1a	1667	1/1	0.99	0.10	60,60,60,60	0
56	MG	1A	3744	1/1	0.99	0.03	43,43,43,43	0
56	MG	1A	3745	1/1	0.99	0.05	47,47,47,47	0
56	MG	1A	3746	1/1	0.99	0.07	37,37,37,37	0
56	MG	1A	3625	1/1	0.99	0.04	47,47,47,47	0
58	ZN	1Y	501	1/1	0.99	0.02	81,81,81,81	0
58	ZN	14	501	1/1	0.99	0.04	114,114,114,114	0
58	ZN	16	501	1/1	0.99	0.05	58,58,58,58	0
58	ZN	1n	501	1/1	0.99	0.02	63,63,63,63	0
58	ZN	2Y	202	1/1	0.99	0.02	109,109,109,109	0
56	MG	1A	3666	1/1	0.99	0.06	36,36,36,36	0
58	ZN	25	102	1/1	0.99	0.06	74,74,74,74	0
56	MG	1A	3601	1/1	0.99	0.15	36,36,36,36	0
56	MG	2a	1784	1/1	0.99	0.03	77,77,77,77	0
59	SF4	1d	303	8/8	0.99	0.05	64,71,77,78	0
59	SF4	2d	302	8/8	0.99	0.03	71,89,99,107	0
58	ZN	26	501	1/1	1.00	0.02	73,73,73,73	0
56	MG	1A	3675	1/1	1.00	0.02	33,33,33,33	0
58	ZN	15	104	1/1	1.00	0.11	80,80,80,80	0
56	MG	1A	3612	1/1	1.00	0.03	35,35,35,35	0
58	ZN	19	104	1/1	1.00	0.05	59,59,59,59	0

6.5 Other polymers ⓘ

There are no such residues in this entry.