



wwPDB X-ray Structure Validation Summary Report ⓘ

Sep 2, 2026 – 02:17 AM EDT

PDB ID : 12DQ / pdb_000012dq
Title : Crystal structure of Thermus thermophilus 70S ribosome in complex with sparsomycin, protein Y, and P-site MTI-tripeptidyl-tRNA analog ACCA-ITM at 2.75Å resolution
Authors : Paranjpe, M.N.; Leroy, E.C.; Syroegin, E.A.; Flemmich, L.; Thaler, J.; Gillard, M.; Bougas, A.; Kournoutou, G.; Dinos, G.P.; Renault, T.T.; Micura, R.; Innis, C.A.; Polikanov, Y.S.
Deposited on : 2026-03-30
Resolution : 2.75 Å(reported)

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

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

A user guide is available at

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

with specific help available everywhere you see the ⓘ symbol.

The types of validation reports are described at

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

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

MolProbity	:	4-5-2 with Phenix2.0
Mogul	:	2022.3.0, CSD as543be (2022)
Xtriage (Phenix)	:	2.0
EDS	:	3.0
Buster-report	:	wwPDB partial adaption of 1.1.7 (2018)
Percentile statistics	:	20250101.v01 (using entries in the PDB archive January 1st 2025)
CCP4	:	9.0.015 (Gargrove)
Density-Fitness	:	1.0.12
Ideal geometry (proteins)	:	Engh & Huber (2001)

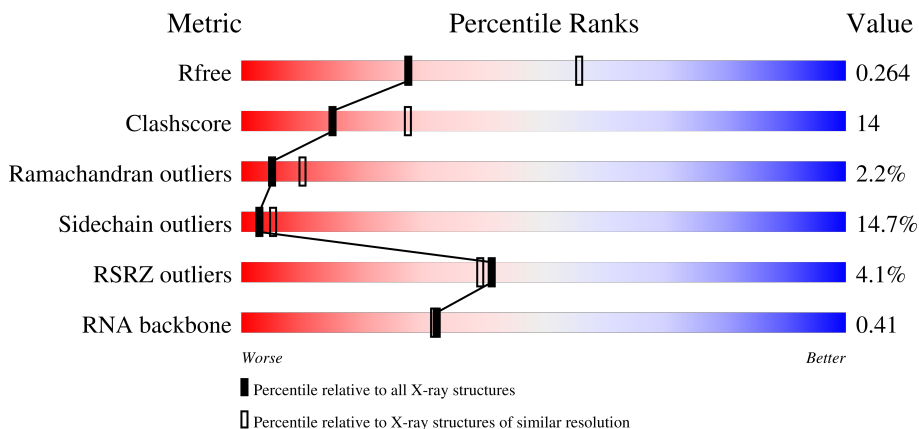
1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

X-RAY DIFFRACTION

The reported resolution of this entry is 2.75 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	1009 (2.76-2.76)
Clashscore	190562	1044 (2.76-2.76)
Ramachandran outliers	187476	1024 (2.76-2.76)
Sidechain outliers	187428	1024 (2.76-2.76)
RSRZ outliers	180081	1009 (2.76-2.76)
RNA backbone	3983	1179 (3.00-2.52)

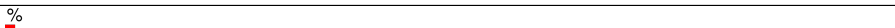
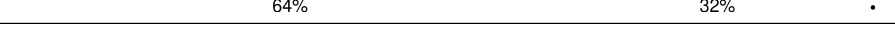
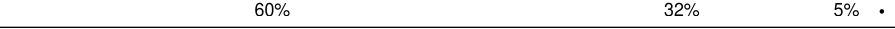
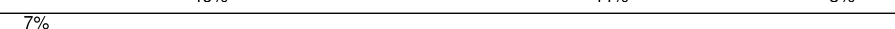
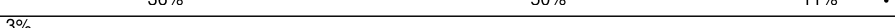
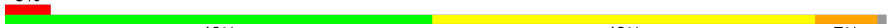
The table below summarises the geometric issues observed across the polymeric chains and their fit to the electron density. The red, orange, yellow and green segments of the lower bar indicate the fraction of residues that contain outliers for ≥ 3 , 2, 1 and 0 types of geometric quality criteria respectively. 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	3% 52% 37% 9%
1	2A	2915	4% 49% 40% 10%

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Ideal geometry (DNA, RNA) : Parkinson et al. (1996)
Validation Pipeline (wwPDB-VP) : 2.50

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Mol	Chain	Length	Quality of chain
2	1B	121	
2	2B	121	
3	1D	276	
3	2D	276	
4	1E	206	
4	2E	206	
5	1F	210	
5	2F	210	
6	1G	182	
6	2G	182	
7	1H	180	
7	2H	180	
8	1I	148	
8	2I	148	
9	1N	140	
9	2N	140	
10	1O	122	
10	2O	122	
11	1P	150	
11	2P	150	
12	1Q	141	
12	2Q	141	
13	1R	118	
13	2R	118	
14	1S	112	

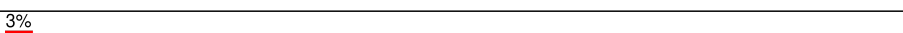
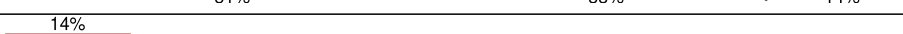
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Mol	Chain	Length	Quality of chain
14	2S	112	
15	1T	146	
15	2T	146	
16	1U	118	
16	2U	118	
17	1V	101	
17	2V	101	
18	1W	113	
18	2W	113	
19	1X	96	
19	2X	96	
20	1Y	110	
20	2Y	110	
21	1Z	206	
21	2Z	206	
22	10	85	
22	20	85	
23	11	98	
23	21	98	
24	12	72	
24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

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Mol	Chain	Length	Quality of chain
27	15	60	
27	25	60	
28	16	54	
28	26	54	
29	17	49	
29	27	49	
30	18	65	
30	28	65	
31	19	37	
31	29	37	
32	1a	1521	
32	2a	1521	
33	1b	256	
33	2b	256	
34	1c	239	
34	2c	239	
35	1d	209	
35	2d	209	
36	1e	162	
36	2e	162	
37	1f	101	
37	2f	101	
38	1g	156	
38	2g	156	
39	1h	138	

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

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Mol	Chain	Length	Quality of chain
52	1u	27	
52	2u	27	
53	1y	113	
53	2y	113	
54	1x	4	
54	2x	4	
55	1v	3	
55	2v	3	

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

Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
56	MG	1A	3613	-	-	-	X
56	MG	1A	4018	-	-	-	X
56	MG	1D	311	-	-	-	X
56	MG	1a	3030	-	-	-	X
56	MG	2a	3058	-	-	-	X

2 Entry composition [i](#)

There are 63 unique types of molecules in this entry. The entry contains 297533 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	2872	Total	C	N	O	P	0	0	0
			61869	27540	11574	19884	2871			
1	2A	2867	Total	C	N	O	P	0	0	0
			61758	27491	11552	19850	2865			

- 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
			2572	1145	476	832	119			
2	2B	120	Total	C	N	O	P	0	0	0
			2573	1146	476	832	119			

- 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
			2131	1346	422	360	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
			1426	916	253	253	4			
6	2G	181	Total	C	N	O	S	0	0	0
			1424	912	259	249	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	173	Total	C	N	O	S	0	0	0
			1324	842	247	234	1			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
8	1I	147	Total	C	N	O	S	0	0	0
			1094	699	191	203	1			
8	2I	146	Total	C	N	O	S	0	0	0
			1076	687	186	202	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
			1121	722	208	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
			877	553	175	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
			775	498	141	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
			810	520	153	131	6			
20	2Y	107	Total	C	N	O	S	0	0	0
			810	519	153	132	6			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
21	1Z	203	Total	C	N	O	S	0	0	0
			1587	1011	282	292	2			
21	2Z	201	Total	C	N	O	S	0	0	0
			1557	995	274	286	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
			650	401	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
			754	475	148	130	1			
23	21	97	Total	C	N	O	S	0	0	0
			759	478	149	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
			592	368	119	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
			546	346	96	99	5			

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
26	24	69	Total	C	N	O	S	0	0	0
			536	342	98	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
			459	288	90	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	1504	Total	C	N	O	P	0	0	0
			32331	14396	5990	10441	1504			

- 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
			1842	1175	330	332	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
			1558	979	305	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
			1665	1043	329	286	7			
35	2d	208	Total	C	N	O	S	0	0	0
			1668	1047	330	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
			1133	716	214	199	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
			814	516	144	151	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
			1235	769	244	216	6			
38	2g	155	Total	C	N	O	S	0	0	0
			1229	766	241	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
			1098	694	210	192	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
			986	625	193	168			
40	2i	126	Total	C	N	O	0	0	0
			966	613	186	167			

- 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
			719	446	142	131			
41	2j	96	Total	C	N	O	0	0	0
			710	442	137	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
			834	520	156	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	116	Total	C	N	O	S	0	0	0
			914	564	189	159	2			
44	2m	114	Total	C	N	O	S	0	0	0
			895	550	186	157	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
			648	415	120	111	2			
50	2s	83	Total	C	N	O	S	0	0	0
			645	410	118	115	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
			732	449	157	124	2			
51	2t	98	Total	C	N	O	S	0	0	0
			733	451	154	126	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 protein called Ribosome-associated inhibitor A.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
53	1y	97	Total	C	N	O	S	0	0	0
			764	478	144	139	3			
53	2y	96	Total	C	N	O	S	0	0	0
			749	468	141	137	3			

- Molecule 54 is a RNA chain called P-site Peptidyl-tRNA Analog RNA.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
54	1x	4	Total	C	N	O	P	0	0	1
			63	28	12	20	3			
54	2x	4	Total	C	N	O	P	0	0	1
			63	28	12	20	3			

- Molecule 55 is a protein called P-site Peptidyl-tRNA Analog Peptide.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
55	1v	3	Total	C	N	O	S	0	0	0
			23	15	3	4	1			
55	2v	3	Total	C	N	O	S	0	0	0
			23	15	3	4	1			

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

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
56	1A	1022	Total	Mg	0	0
			1022	1022		
56	1B	29	Total	Mg	0	0
			29	29		
56	1D	16	Total	Mg	0	0
			16	16		
56	1E	7	Total	Mg	0	0
			7	7		
56	1F	21	Total	Mg	0	0
			21	21		
56	1G	4	Total	Mg	0	0
			4	4		
56	1H	2	Total	Mg	0	0
			2	2		
56	1N	4	Total	Mg	0	0
			4	4		
56	1O	1	Total	Mg	0	0
			1	1		

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
56	1P	5	Total 5	Mg 5	0	0
56	1Q	4	Total 4	Mg 4	0	0
56	1R	5	Total 5	Mg 5	0	0
56	1S	1	Total 1	Mg 1	0	0
56	1T	4	Total 4	Mg 4	0	0
56	1U	7	Total 7	Mg 7	0	0
56	1V	6	Total 6	Mg 6	0	0
56	1W	4	Total 4	Mg 4	0	0
56	1Z	1	Total 1	Mg 1	0	0
56	10	8	Total 8	Mg 8	0	0
56	11	5	Total 5	Mg 5	0	0
56	13	4	Total 4	Mg 4	0	0
56	15	8	Total 8	Mg 8	0	0
56	17	7	Total 7	Mg 7	0	0
56	18	3	Total 3	Mg 3	0	0
56	19	1	Total 1	Mg 1	0	0
56	1a	275	Total 275	Mg 275	0	0
56	1b	1	Total 1	Mg 1	0	0
56	1d	5	Total 5	Mg 5	0	0
56	1e	2	Total 2	Mg 2	0	0
56	1f	1	Total 1	Mg 1	0	0

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
56	1g	2	Total 2	Mg 2	0	0
56	1h	1	Total 1	Mg 1	0	0
56	1i	1	Total 1	Mg 1	0	0
56	1k	1	Total 1	Mg 1	0	0
56	1l	3	Total 3	Mg 3	0	0
56	1m	2	Total 2	Mg 2	0	0
56	1n	3	Total 3	Mg 3	0	0
56	1o	3	Total 3	Mg 3	0	0
56	1p	1	Total 1	Mg 1	0	0
56	1r	1	Total 1	Mg 1	0	0
56	1t	1	Total 1	Mg 1	0	0
56	1y	3	Total 3	Mg 3	0	0
56	1x	2	Total 2	Mg 2	0	0
56	2A	726	Total 726	Mg 726	0	0
56	2B	18	Total 18	Mg 18	0	0
56	2D	13	Total 13	Mg 13	0	0
56	2E	7	Total 7	Mg 7	0	0
56	2F	4	Total 4	Mg 4	0	0
56	2G	3	Total 3	Mg 3	0	0
56	2I	1	Total 1	Mg 1	0	0
56	2O	2	Total 2	Mg 2	0	0

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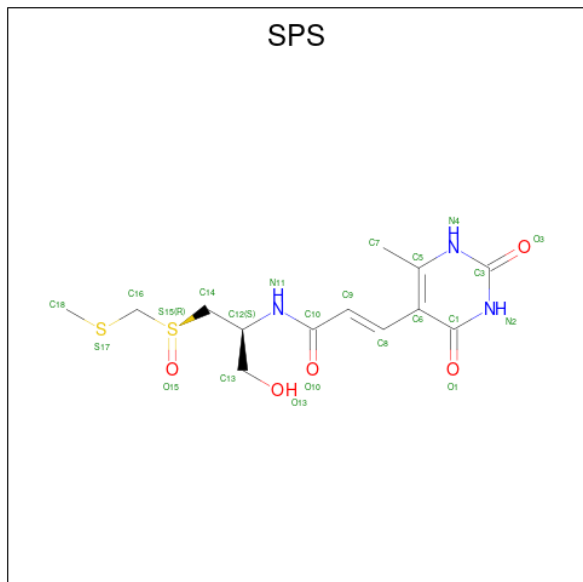
Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
56	2P	2	Total 2	Mg 2	0	0
56	2Q	3	Total 3	Mg 3	0	0
56	2R	2	Total 2	Mg 2	0	0
56	2T	4	Total 4	Mg 4	0	0
56	2U	2	Total 2	Mg 2	0	0
56	2V	3	Total 3	Mg 3	0	0
56	2W	3	Total 3	Mg 3	0	0
56	2X	2	Total 2	Mg 2	0	0
56	2Y	1	Total 1	Mg 1	0	0
56	20	4	Total 4	Mg 4	0	0
56	21	2	Total 2	Mg 2	0	0
56	25	4	Total 4	Mg 4	0	0
56	26	1	Total 1	Mg 1	0	0
56	27	1	Total 1	Mg 1	0	0
56	28	2	Total 2	Mg 2	0	0
56	2a	187	Total 187	Mg 187	0	0
56	2e	1	Total 1	Mg 1	0	0
56	2f	1	Total 1	Mg 1	0	0
56	2j	1	Total 1	Mg 1	0	0
56	2k	1	Total 1	Mg 1	0	0
56	2n	1	Total 1	Mg 1	0	0

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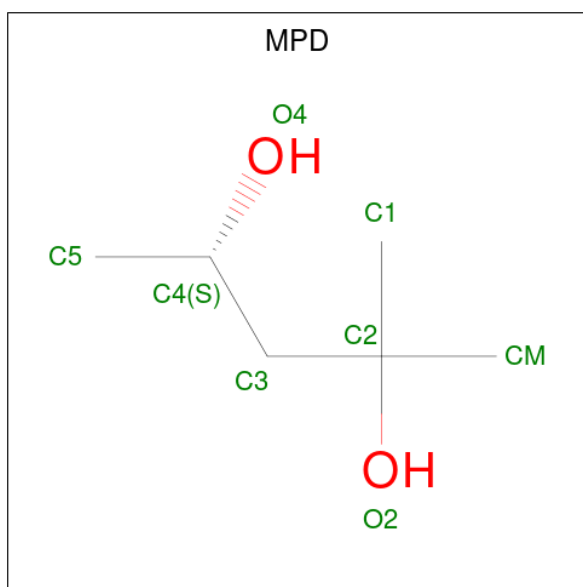
Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
56	2p	1	Total	Mg	0	0
			1	1		
56	2q	1	Total	Mg	0	0
			1	1		
56	2r	1	Total	Mg	0	0
			1	1		
56	2t	1	Total	Mg	0	0
			1	1		
56	2x	2	Total	Mg	0	0
			2	2		

- Molecule 57 is SPARSOMYCIN (CCD ID: SPS) (formula: $C_{13}H_{19}N_3O_5S_2$) (labeled as "Ligand of Interest" by depositor).



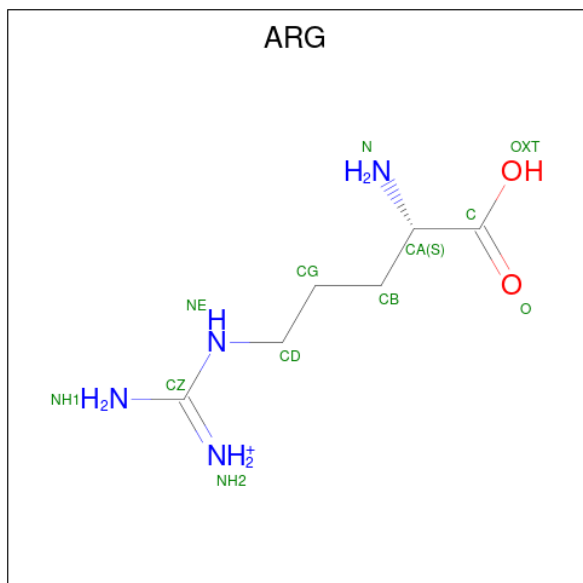
Mol	Chain	Residues	Atoms					ZeroOcc	AltConf
57	1A	1	Total	C	N	O	S	0	0
			23	13	3	5	2		
57	2x	1	Total	C	N	O	S	0	0
			23	13	3	5	2		

- Molecule 58 is (4S)-2-METHYL-2,4-PENTANEDIOL (CCD ID: MPD) (formula: $C_6H_{14}O_2$).



Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
58	1A	1	Total	C	O	0	0
			8	6	2		
58	2A	1	Total	C	O	0	0
			8	6	2		
58	2A	1	Total	C	O	0	0
			8	6	2		
58	2A	1	Total	C	O	0	0
			8	6	2		

- Molecule 59 is ARGinine (CCD ID: ARG) (formula: $C_6H_{15}N_4O_2$).

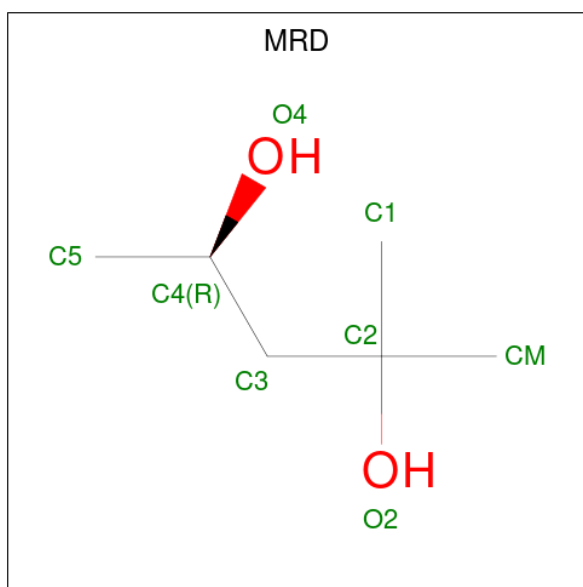


Mol	Chain	Residues	Atoms				ZeroOcc	AltConf
59	1B	1	Total	C	N	O	0	0
			12	6	4	2		

- Molecule 60 is ZINC ION (CCD ID: ZN) (formula: Zn).

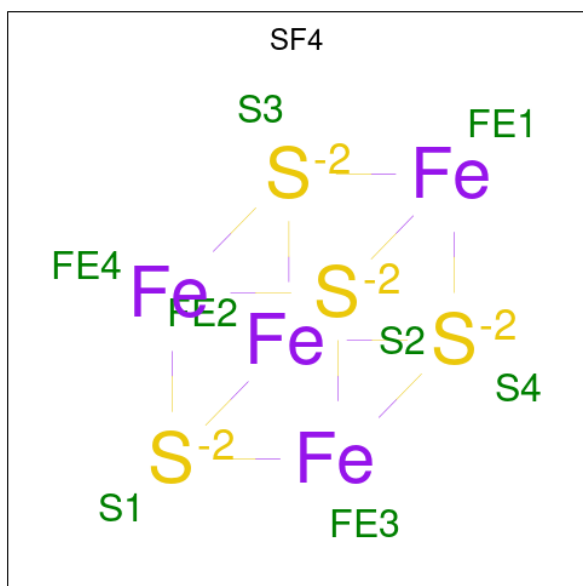
Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
60	1Y	1	Total	Zn	0	0
			1	1		
60	14	1	Total	Zn	0	0
			1	1		
60	15	1	Total	Zn	0	0
			1	1		
60	16	1	Total	Zn	0	0
			1	1		
60	19	1	Total	Zn	0	0
			1	1		
60	1n	1	Total	Zn	0	0
			1	1		
60	2Y	1	Total	Zn	0	0
			1	1		
60	24	1	Total	Zn	0	0
			1	1		
60	25	1	Total	Zn	0	0
			1	1		
60	26	1	Total	Zn	0	0
			1	1		
60	29	1	Total	Zn	0	0
			1	1		
60	2n	1	Total	Zn	0	0
			1	1		

- Molecule 61 is (4R)-2-METHYLPENTANE-2,4-DIOL (CCD ID: MRD) (formula: C₆H₁₄O₂).



Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
61	18	1	Total	C	O	0	0
			8	6	2		

- Molecule 62 is IRON/SULFUR CLUSTER (CCD ID: SF4) (formula: Fe_4S_4).



Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
62	1d	1	Total	Fe	S	0	0
			8	4	4		
62	2d	1	Total	Fe	S	0	0
			8	4	4		

- Molecule 63 is water.

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
63	1A	3950	Total 3950	O 3950	0	0
63	1B	104	Total 104	O 104	0	0
63	1D	109	Total 109	O 109	0	0
63	1E	77	Total 77	O 77	0	0
63	1F	53	Total 53	O 53	0	0
63	1G	17	Total 17	O 17	0	0
63	1H	17	Total 17	O 17	0	0
63	1I	4	Total 4	O 4	0	0
63	1N	48	Total 48	O 48	0	0
63	1O	24	Total 24	O 24	0	0
63	1P	69	Total 69	O 69	0	0
63	1Q	37	Total 37	O 37	0	0
63	1R	31	Total 31	O 31	0	0
63	1S	9	Total 9	O 9	0	0
63	1T	36	Total 36	O 36	0	0
63	1U	46	Total 46	O 46	0	0
63	1V	40	Total 40	O 40	0	0
63	1W	27	Total 27	O 27	0	0
63	1X	25	Total 25	O 25	0	0
63	1Y	17	Total 17	O 17	0	0
63	1Z	10	Total 10	O 10	0	0
63	10	26	Total 26	O 26	0	0

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
63	11	27	Total 27	O 27	0	0
63	12	13	Total 13	O 13	0	0
63	13	25	Total 25	O 25	0	0
63	14	2	Total 2	O 2	0	0
63	15	25	Total 25	O 25	0	0
63	16	17	Total 17	O 17	0	0
63	17	16	Total 16	O 16	0	0
63	18	27	Total 27	O 27	0	0
63	19	5	Total 5	O 5	0	0
63	1a	515	Total 515	O 515	0	0
63	1b	1	Total 1	O 1	0	0
63	1c	1	Total 1	O 1	0	0
63	1d	9	Total 9	O 9	0	0
63	1e	2	Total 2	O 2	0	0
63	1f	2	Total 2	O 2	0	0
63	1h	1	Total 1	O 1	0	0
63	1j	1	Total 1	O 1	0	0
63	1l	4	Total 4	O 4	0	0
63	1o	6	Total 6	O 6	0	0
63	1p	3	Total 3	O 3	0	0
63	1u	1	Total 1	O 1	0	0

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
63	1y	6	Total 6	O 6	0	0
63	1x	2	Total 2	O 2	0	0
63	2A	2115	Total 2115	O 2115	0	0
63	2B	46	Total 46	O 46	0	0
63	2D	39	Total 39	O 39	0	0
63	2E	25	Total 25	O 25	0	0
63	2F	22	Total 22	O 22	0	0
63	2G	4	Total 4	O 4	0	0
63	2H	2	Total 2	O 2	0	0
63	2I	4	Total 4	O 4	0	0
63	2N	5	Total 5	O 5	0	0
63	2O	19	Total 19	O 19	0	0
63	2P	25	Total 25	O 25	0	0
63	2Q	16	Total 16	O 16	0	0
63	2R	22	Total 22	O 22	0	0
63	2S	4	Total 4	O 4	0	0
63	2T	9	Total 9	O 9	0	0
63	2U	12	Total 12	O 12	0	0
63	2V	7	Total 7	O 7	0	0
63	2W	18	Total 18	O 18	0	0
63	2X	7	Total 7	O 7	0	0

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
63	2Y	5	Total 5	O 5	0	0
63	2Z	12	Total 12	O 12	0	0
63	20	10	Total 10	O 10	0	0
63	21	22	Total 22	O 22	0	0
63	22	2	Total 2	O 2	0	0
63	23	5	Total 5	O 5	0	0
63	25	10	Total 10	O 10	0	0
63	26	2	Total 2	O 2	0	0
63	27	7	Total 7	O 7	0	0
63	28	10	Total 10	O 10	0	0
63	29	1	Total 1	O 1	0	0
63	2a	293	Total 293	O 293	0	0
63	2d	4	Total 4	O 4	0	0
63	2f	3	Total 3	O 3	0	0
63	2j	2	Total 2	O 2	0	0
63	2l	1	Total 1	O 1	0	0
63	2m	1	Total 1	O 1	0	0
63	2o	4	Total 4	O 4	0	0
63	2p	2	Total 2	O 2	0	0
63	2q	1	Total 1	O 1	0	0
63	2r	3	Total 3	O 3	0	0

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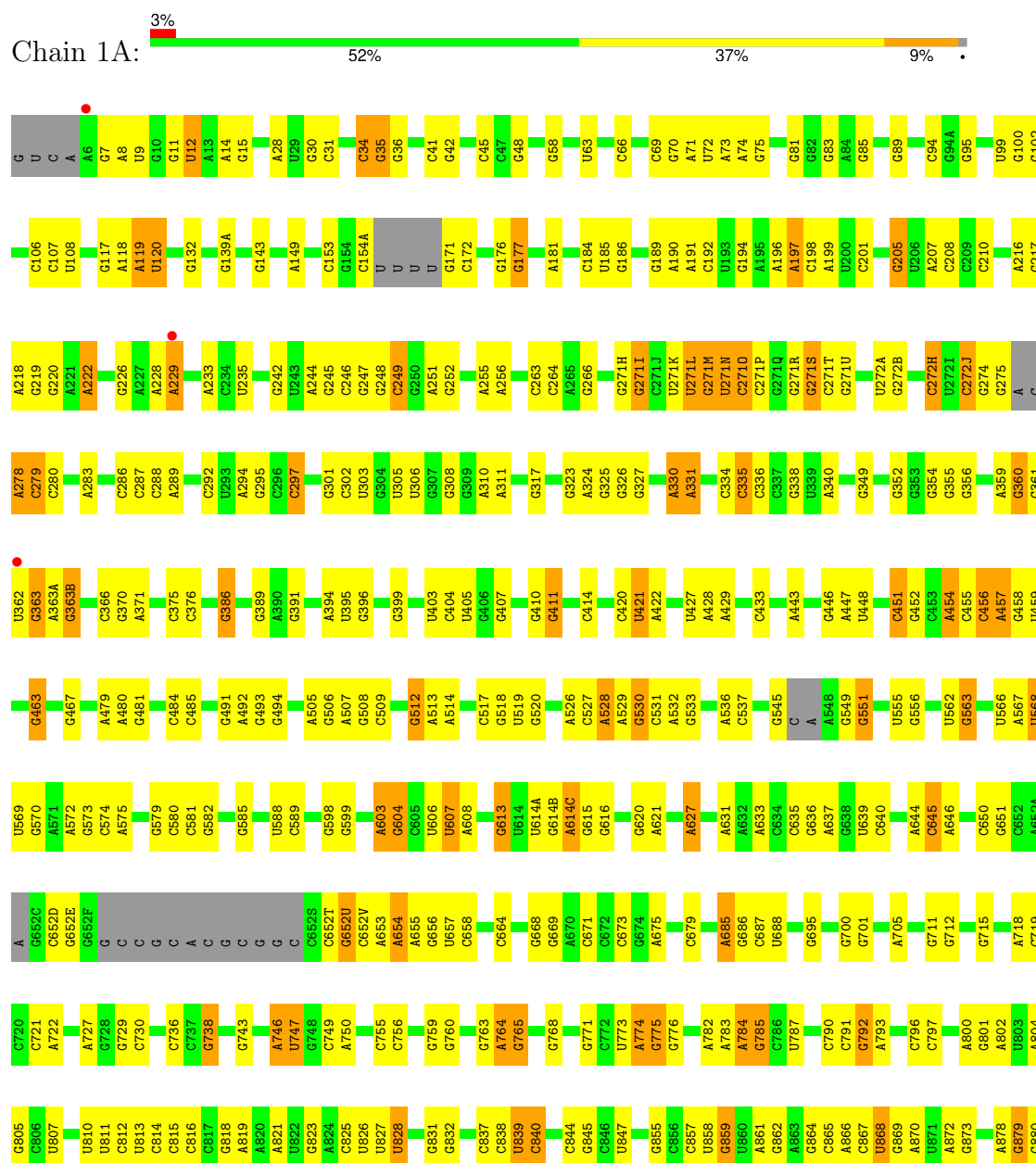
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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
63	2t	2	Total	O	0	0
			2	2		
63	2u	1	Total	O	0	0
			1	1		
63	2x	1	Total	O	0	0
			1	1		

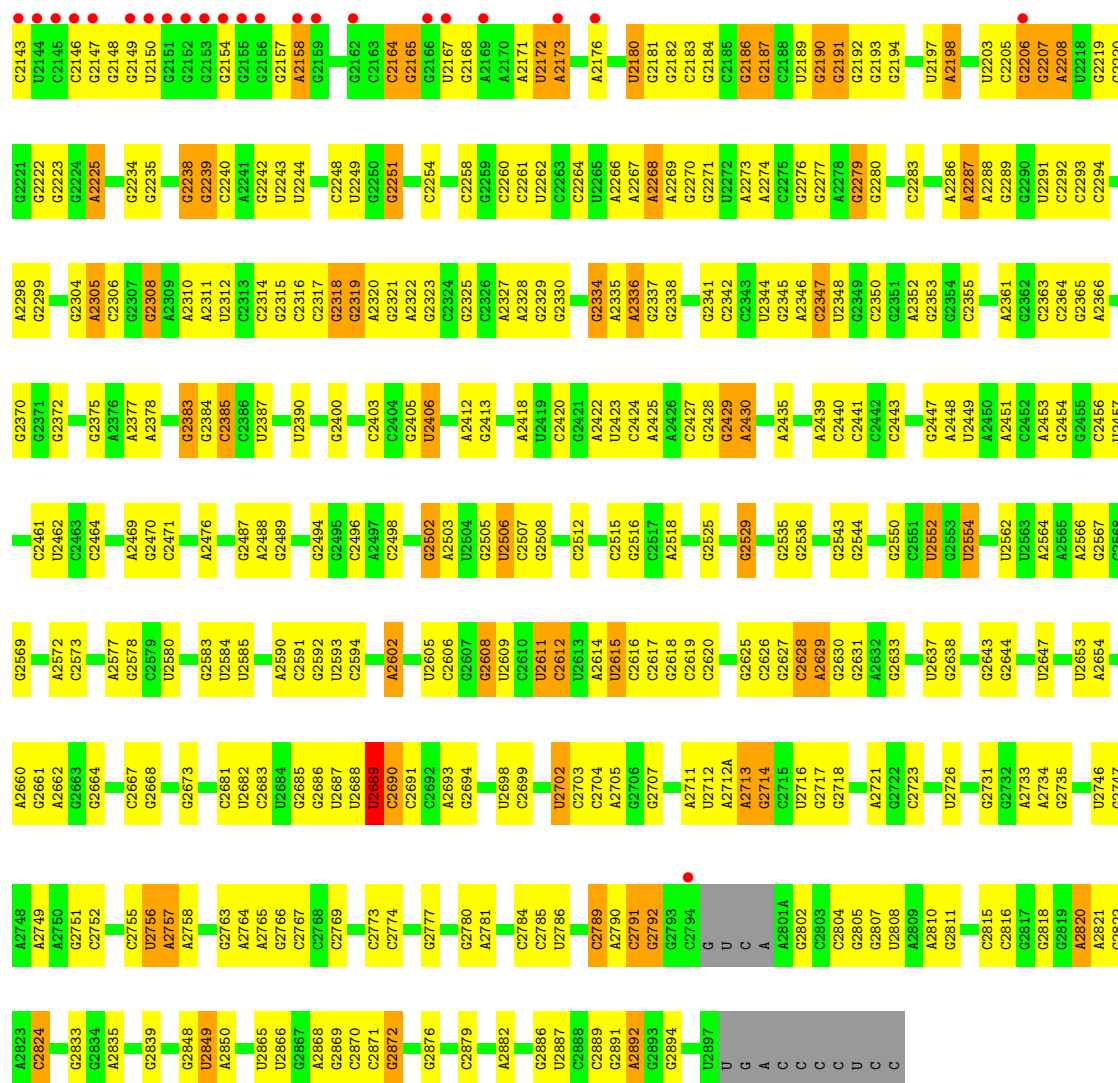
3 Residue-property plots [i](#)

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.

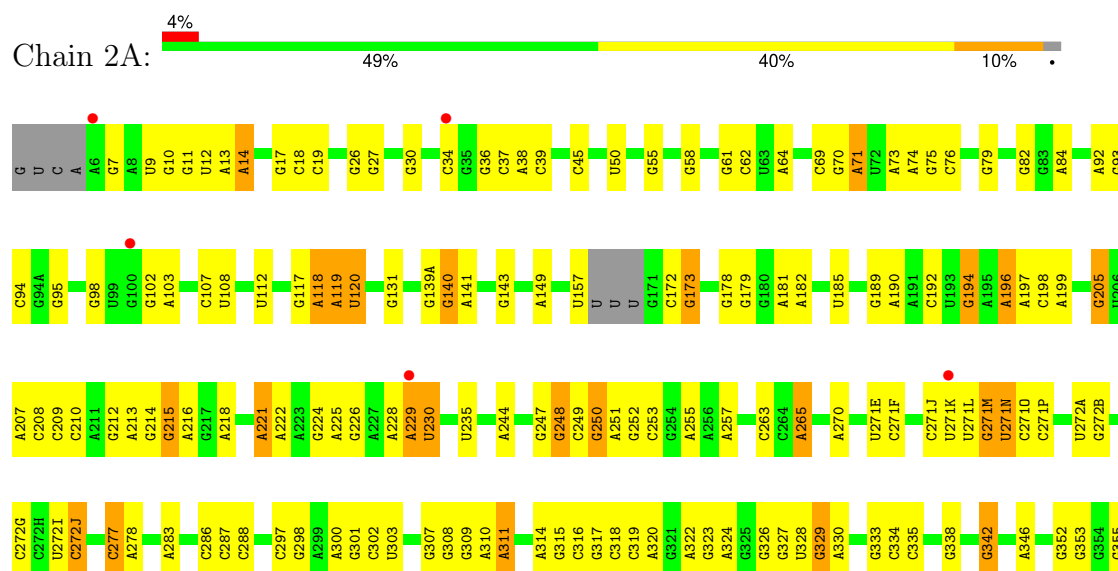
• Molecule 1: 23S Ribosomal RNA

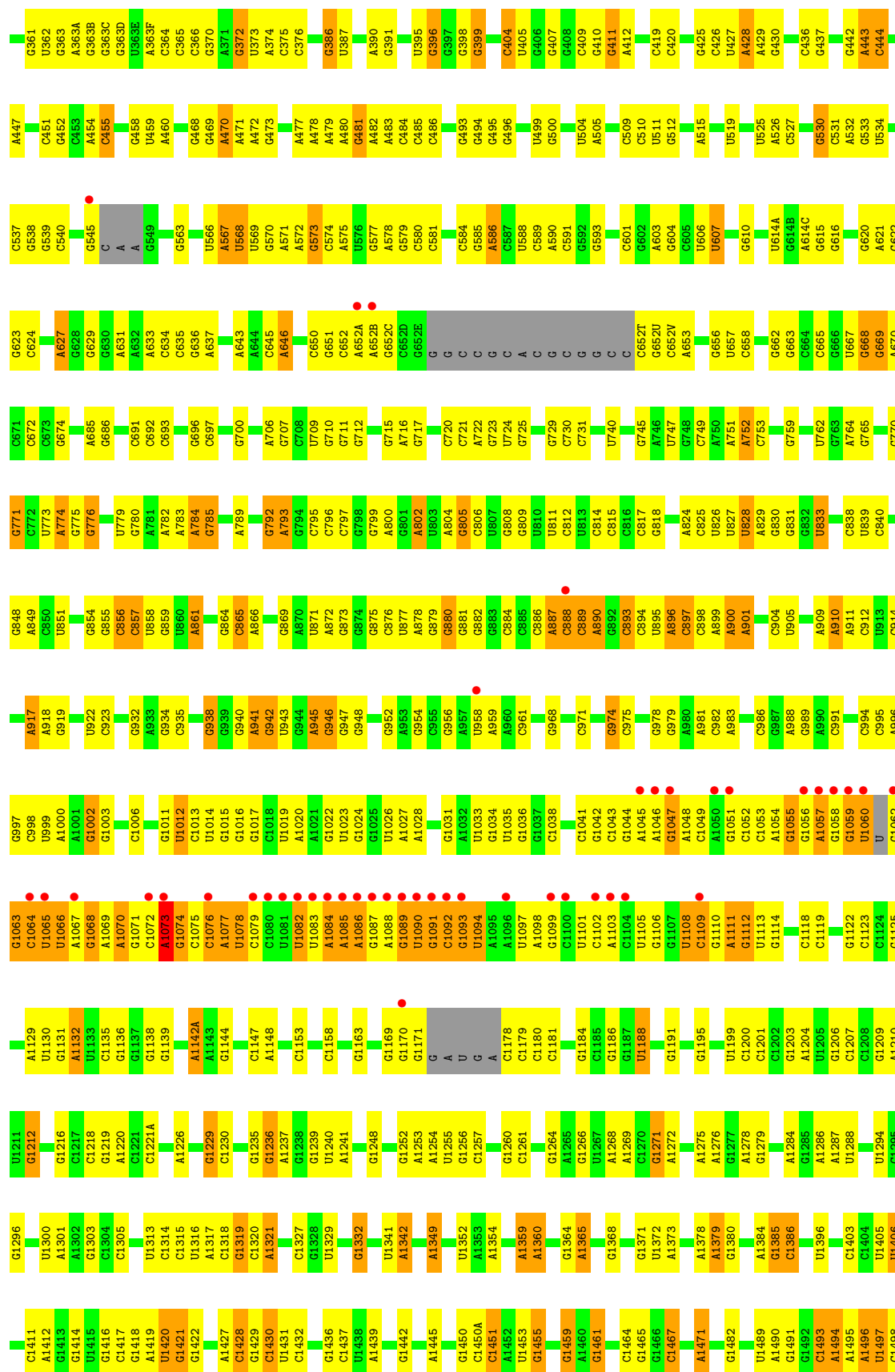


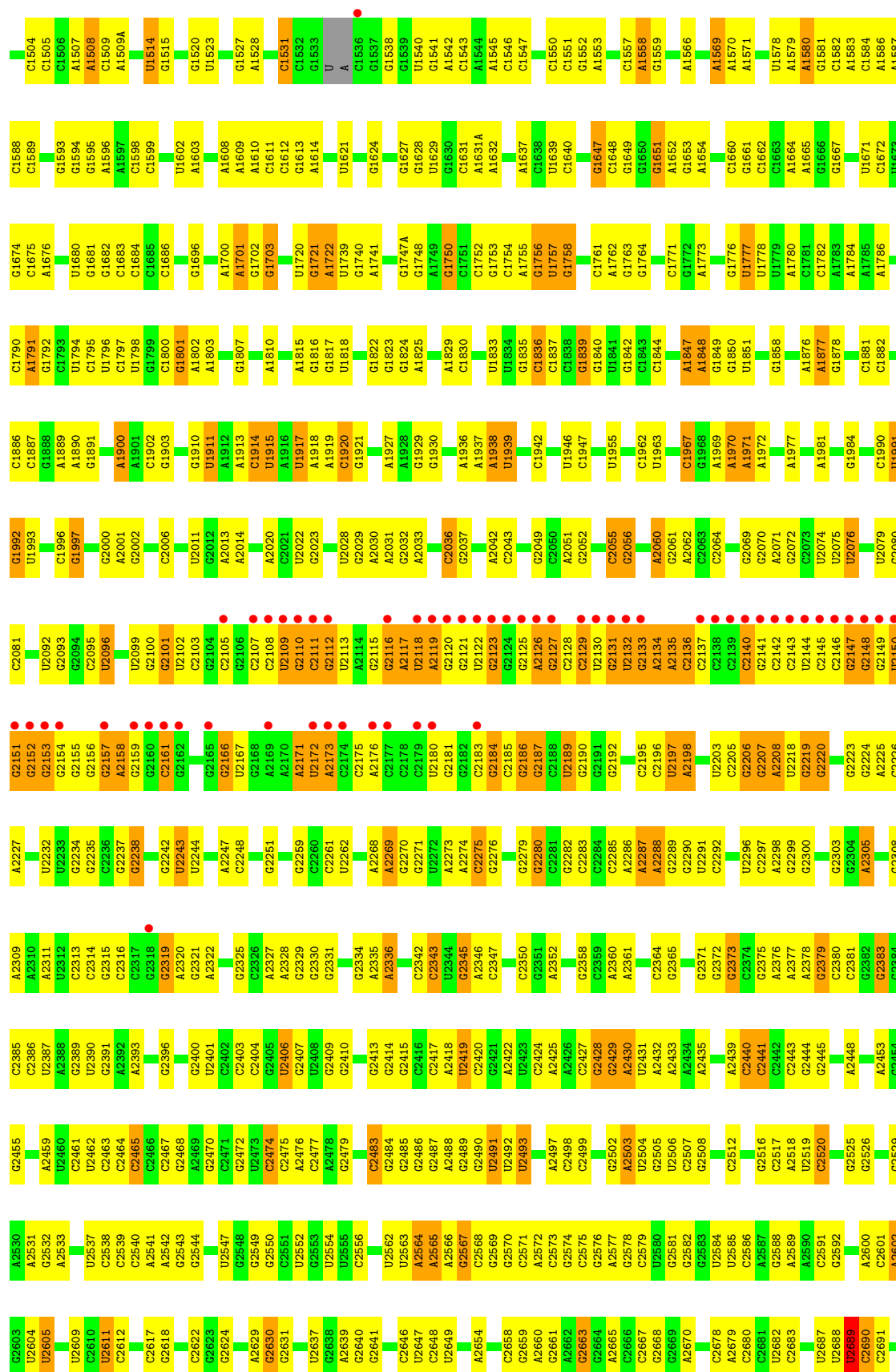
C2073	G1814	G1904	G1815	G1807	G1607	C1513	U1420	G1310	G1209	U1113	C1052	A981	G881
U2074	A1815	C1905	A1816	A1608	A1607	U1514	G1421	G1311	A1210	G1114	C1053	C982	G882
U2075	G1817	G1906	G1818	A1609	A1610	C1516	C1428	C1315	A1211	C1115	A1054	A983	G883
G2080	G1820	U1911	G1821	C1712	C1611	U1518	C1430	C1318	G1212	G1117	A1055	A984	C884
G2083	G1823	A1912	G1824	G1714	A1616	G1519	C1439	G1319	C1218	G1125	A1056	C986	C885
C2084	G1828	A1913	A1829	G1717	G1619	G1525	G1440	C1320	G1219	A1128	A1057	C987	C886
C2085	G1830	G1914	G1831	G1720	G1620	G1526	G1441	A1321	G1220	A1129	G1058	A988	C887
C2086	G1833	U1915	G1834	A1721	U1621	G1527	G1442	A1322	U1061	G993	U1060	C888	C889
C2087	G1831	U1917	G1835	A1722	G1622	A1528	G1443	U1323	G1062	C994	G1061	A890	A890
A2014	G1836	C1920	G1837	G1740	U1629	C1530	G1444	G1325	C1235	G1131	C1063	C995	U895
G2018	G1838	U1923	C1836	A1741	U1629	C1531	A1445	G1328	G1238	C1135	U1065	A996	A896
A2019	C1837	C1924	G1839	G1747	A1634	C1532	C1446	U1329	U1238	G1136	A1066	A1000	C897
A2020	C1837	C1924	G1839	G1747	G1636	U	C1447	U1329	G1238	G1137	A1067	A1001	C898
G2023	C1837	C1924	G1839	G1747	G1636	G	C1447	U1329	G1238	G1137	A1067	A1001	C899
G2024	C1837	C1924	G1839	G1747	G1636	U	C1447	U1329	G1238	G1137	A1067	A1001	A899
C2025	C1839	A1927	G1839	G1754	A1637	A	C1449	C1332	G1244	G1138	C1068	G1002	A900
C2026	G1840	G1928	G1840	G1755	A1637	C	A1449	C1333	G1244	G1139	C1069	G1003	C904
G2027	U1841	G1930	U1842	G1756	C1638	G1537	G1450	G1334	G1250	U1141	C1071	C1007	U907
U2028	G1842	U1931	C1843	A1762	C1640	G1538	A1452	U1341	A1254	U1142	C1072	C1008	C908
G2029	C1843	A1932	G1844	G1763	A1641	G1539	A1453	A1142A	A1255	A1143	C1073	A1009	C909
A2031	G1845	C1933	G1845	G1764	G1642	U1540	G1455	C1345	G1256	C1144	C1074	A1010	A910
G2105	G1846	G1934	G1846	G1767	G1647	C1541	G1456	G1346	C1257	C1145	C1075	G1011	A911
C2107	G1847	U1937	G1847	U1768	C1648	A1542	A1460	U1352	G1260	G1151	A1077	C1013	C912
C2108	A1847	A1938	A1848	U1768	C1649	A1545	G1461	U1358	C1261	C1152	C1078	G1016	C915
G2035	G1854	U1939	G1854	A1773	G1650	A1545	C1462	G1358	C1261	C1152	C1078	G1016	C915
G2038	G1855	C1942	G1855	A1774	G1651	A1554	C1463	A1359	G1264	G1154	C1081	U1019	A917
C2039	G1856	U1955	G1856	U1775	A1652	C1557	G1465	A1360	G1265	A1155	C1082	U1019	A917
G2040	G1857	U1946	G1857	U1778	G1654	A1558	G1467	G1364	U1267	A1156	U1083	G1022	G921
U2041	G1858	C1947	G1858	U1779	A1654	G1559	C1470	A1365	G1268	G1163	A1085	U1023	U922
A2042	A1859	U1955	G1859	A1780	C1657	G1566	A1471	A1367	A1269	U1165	A1086	G1025	C923
C2043	G1863	U1955	G1863	A1783	C1657	A1566	A1471	C1370	G1271	C1166	G1087	U1026	G932
G2046	U1864	C1962	U1864	A1784	C1662	A1567	G1478	U1371	U1273	G1170	C1088	A1029	A933
G2049	G1865	U1963	G1865	A1785	C1663	G1568	G1478	U1372	A1274	G1171	C1089	A1029	G944
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G1967	G1878	U1966	G1878	C1790	C1667	A1571	G1485	G1375	G1280	U1175	U1094	G1033	G947
G1968	C1879	A1967	G1879	A1791	C1668	U1578	G1486	C1376	G1280	G1176	A1095	U1035	G948
A2054	G1882	C1968	G1882	A1791	C1669	A1579	G1487	G1377	C1289	A1177	A1096	G1036	C949
C2055	G1883	U1969	G1883	U1794	C1670	A1580	A1490	G1377	C1290	C1178	U1097	G1037	A957
A2060	A1889	A1972	A1889	C1795	G1674	C1581	A1490	A1378	C1291	C1179	U1098	C1038	U958
G2061	G1890	G1973	A1890	U1796	C1675	C1582	C1493	G1380	U1292	C1180	G1099	G1039	A959
A2062	G1891	C1974	A1890	C1797	A1676	G1583	A1494	G1381	C1293	C1181	C1040	C1040	A960
C2063	C1894	G1985	C1894	U1798	G1677	A1586	A1495	G1382	U1294	G1184	U1101	C1041	C961
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A2135	G1896	G1987	G1896	C1800	G1681	C1588	U1497	A1384	C1296	G1186	C1103	C1043	U963
C2136	G1899	U1993	G1899	G1801	G1681	C1589	A1508	G1385	C1297	U1188	A1103	G1044	C971
C2137	A1900	A1903	G1899	A1802	U1688	G1593	A1509	U1390	U1300	A1189	A1045	A1045	A972
C2138	A1901	G1904	A1900	G1804	U1688	G1594	A1509A	U1390	A1301	G1192	G1046	A1046	A973
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C2140	C1902	U1808	A1901	U1808	U1696	C1605	G1510	C1417	G1303	G1203	C1049	A1049	C975
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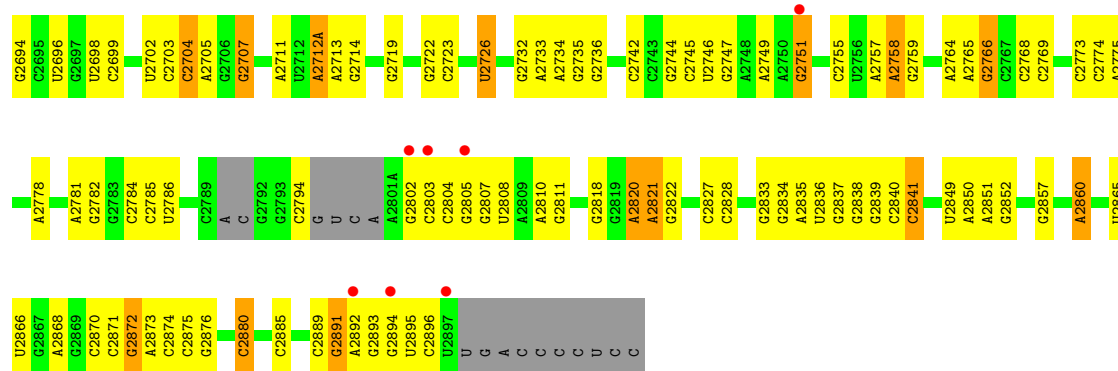


- Molecule 1: 23S Ribosomal RNA

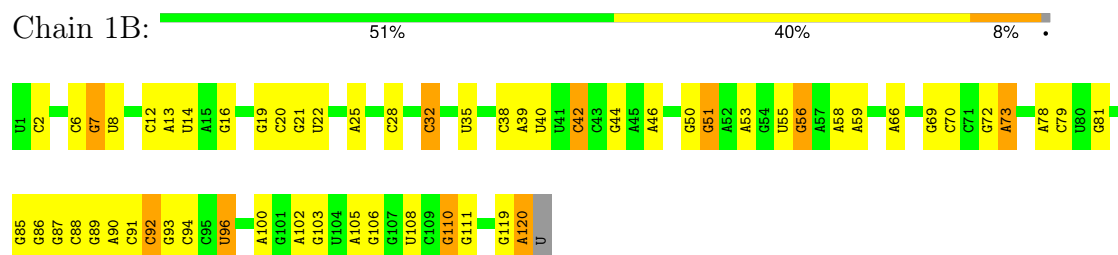




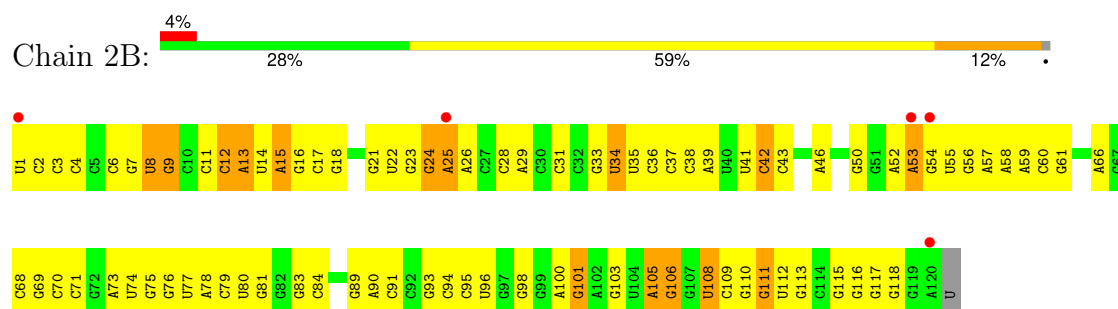




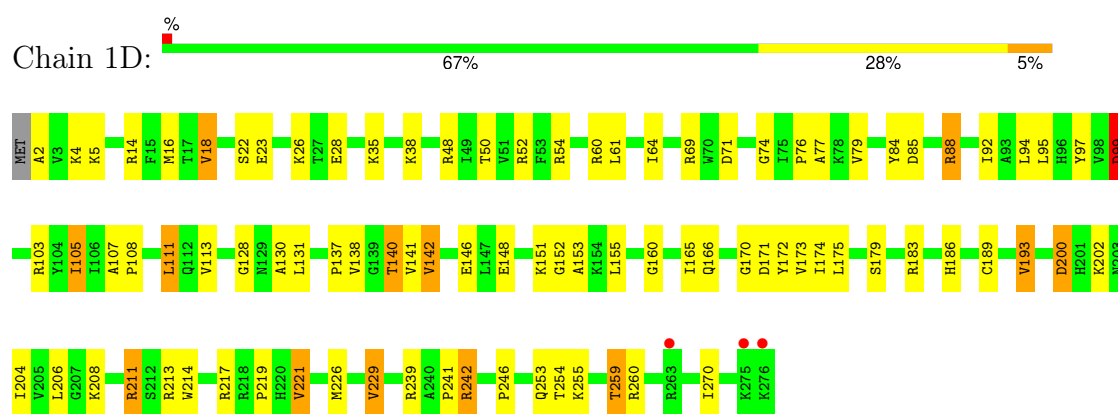
• Molecule 2: 5S Ribosomal RNA



• Molecule 2: 5S Ribosomal RNA

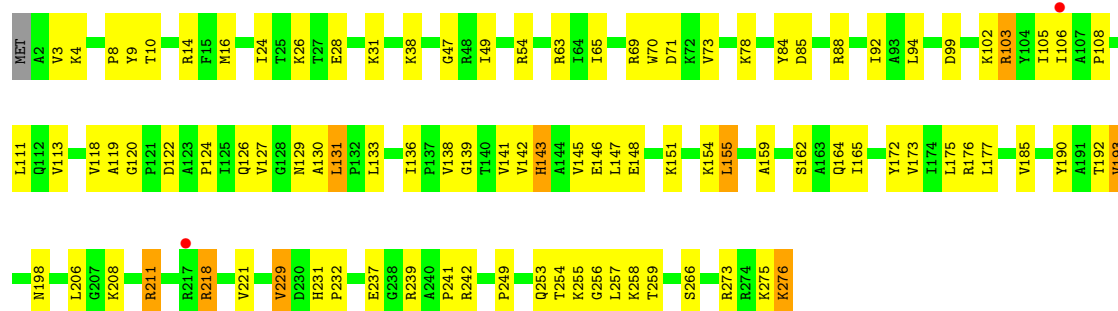


• Molecule 3: 50S ribosomal protein L2



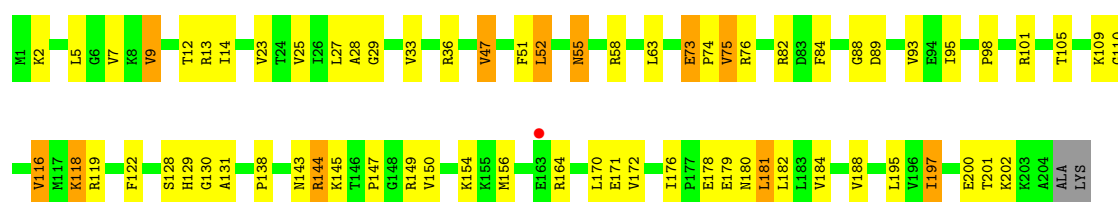
• Molecule 3: 50S ribosomal protein L2





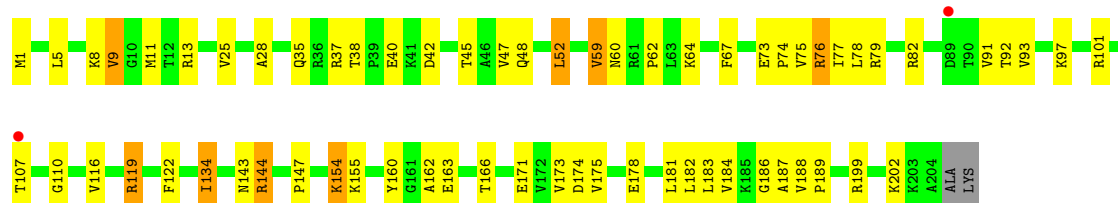
• Molecule 4: 50S ribosomal protein L3

Chain 1E: 66% 28% 5% •



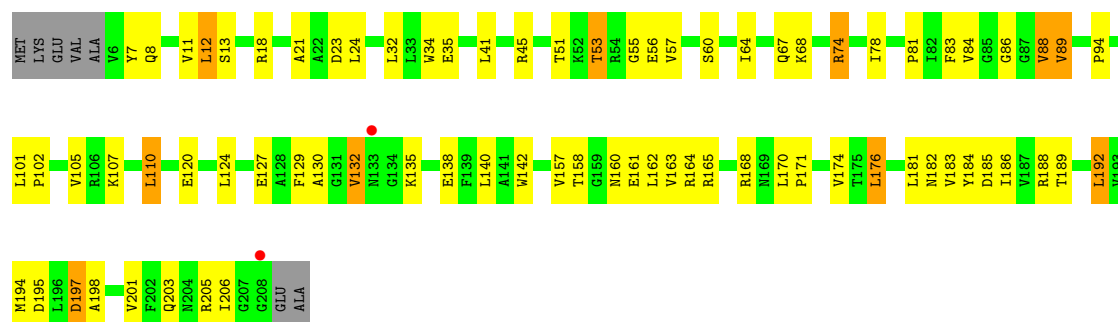
• Molecule 4: 50S ribosomal protein L3

Chain 2E: 67% 28% • •



• Molecule 5: 50S ribosomal protein L4

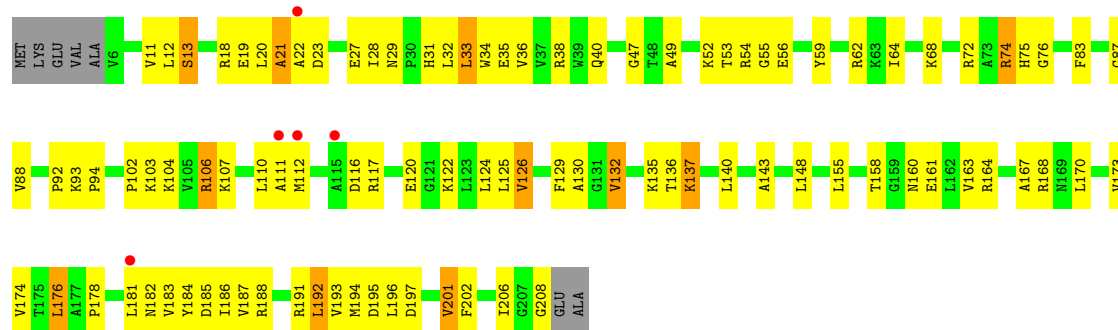
Chain 1F: 60% 32% 5% •



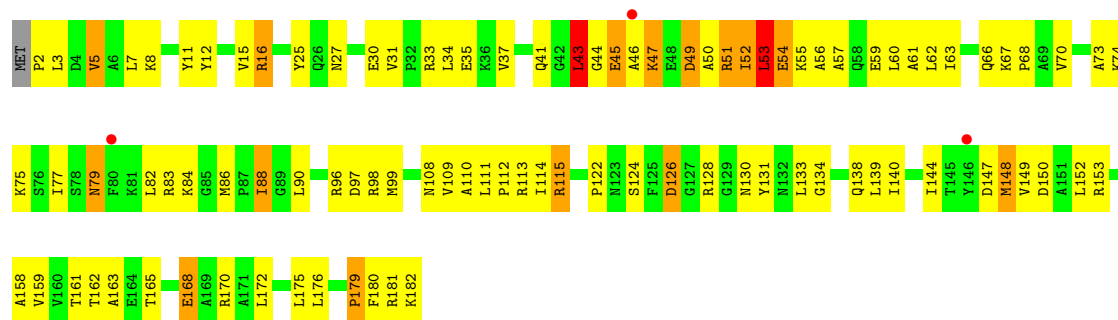
• Molecule 5: 50S ribosomal protein L4

Chain 2F: 50% 41% 5% •

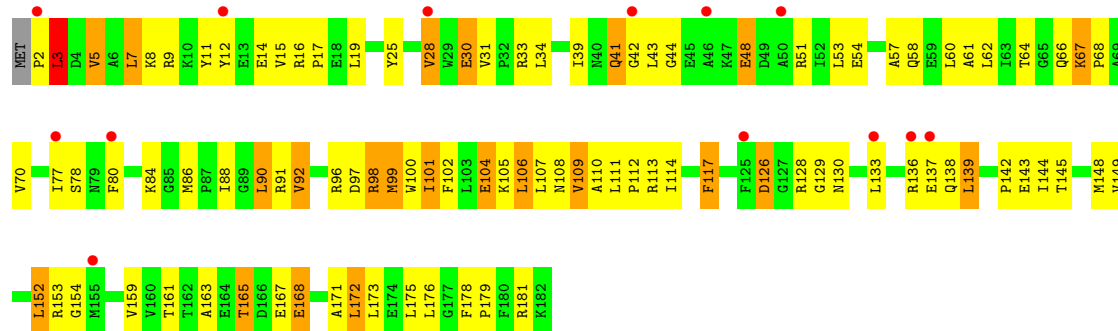




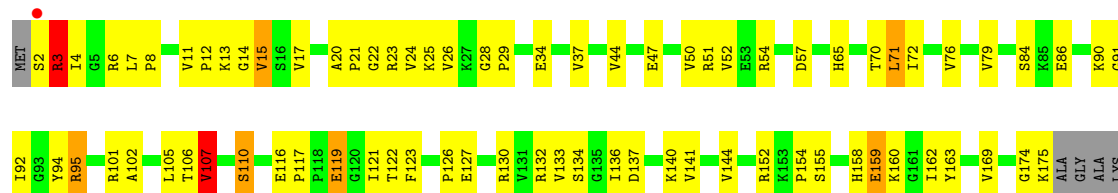
• Molecule 6: 50S ribosomal protein L5



• Molecule 6: 50S ribosomal protein L5

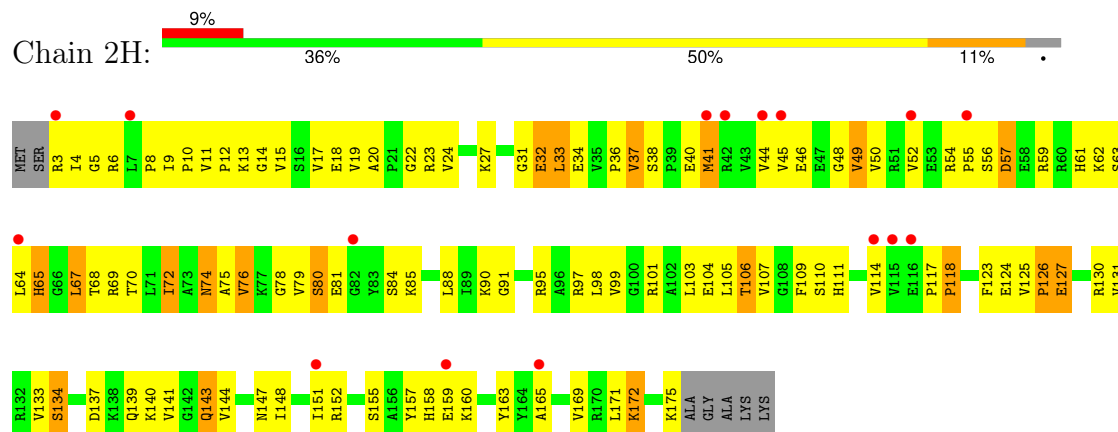


• Molecule 7: 50S ribosomal protein L6

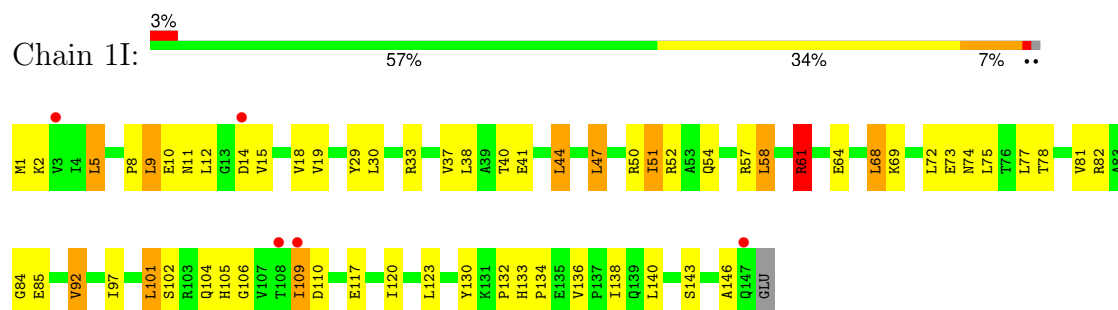


LYS

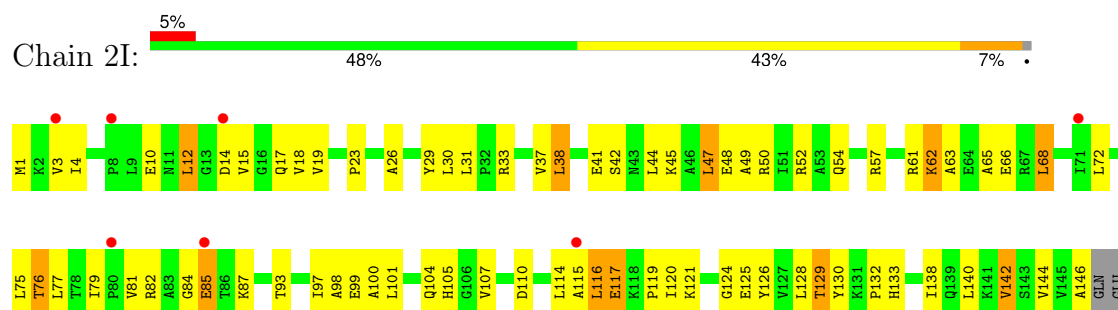
- Molecule 7: 50S ribosomal protein L6



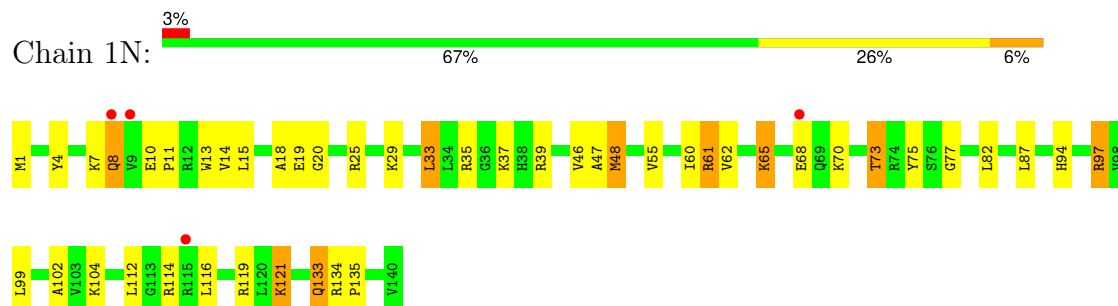
- Molecule 8: 50S ribosomal protein L9



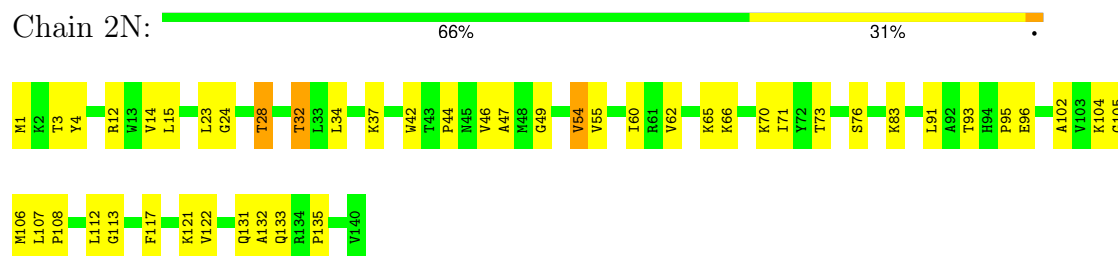
- Molecule 8: 50S ribosomal protein L9



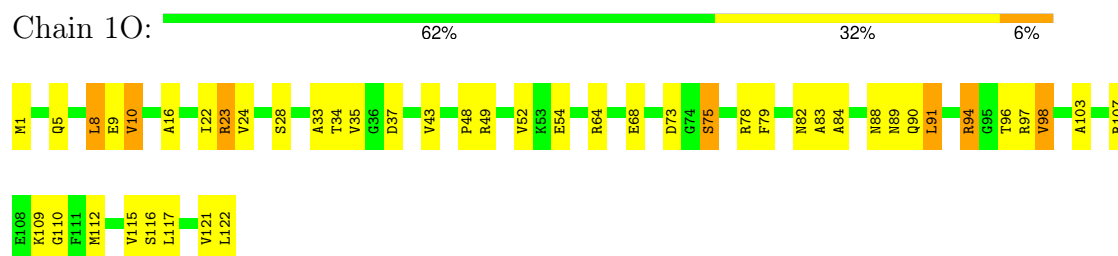
- Molecule 9: 50S ribosomal protein L13



- Molecule 9: 50S ribosomal protein L13



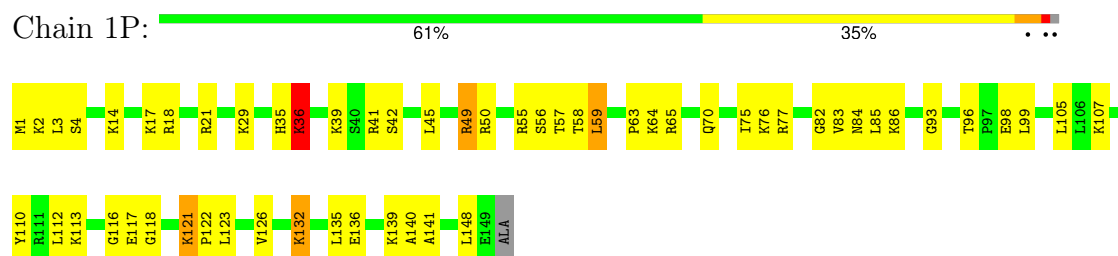
- Molecule 10: 50S ribosomal protein L14



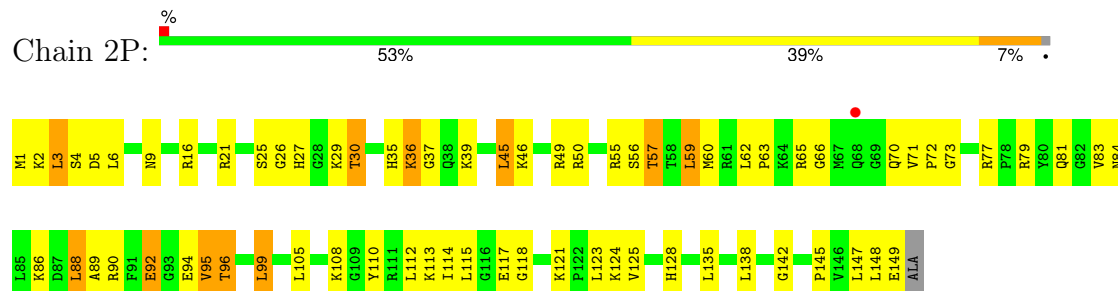
- Molecule 10: 50S ribosomal protein L14



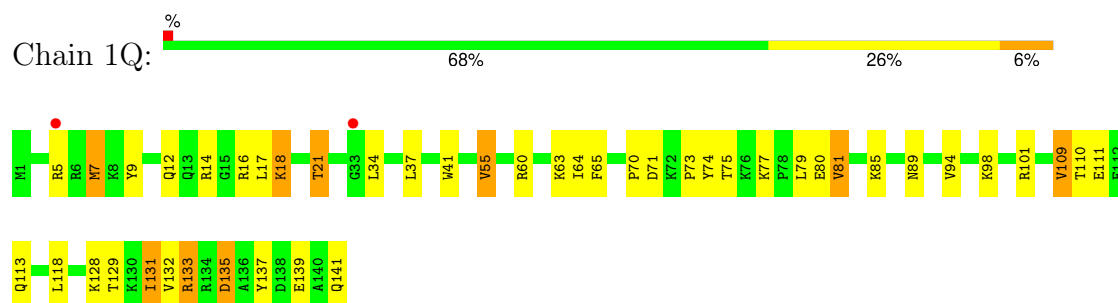
- Molecule 11: 50S ribosomal protein L15



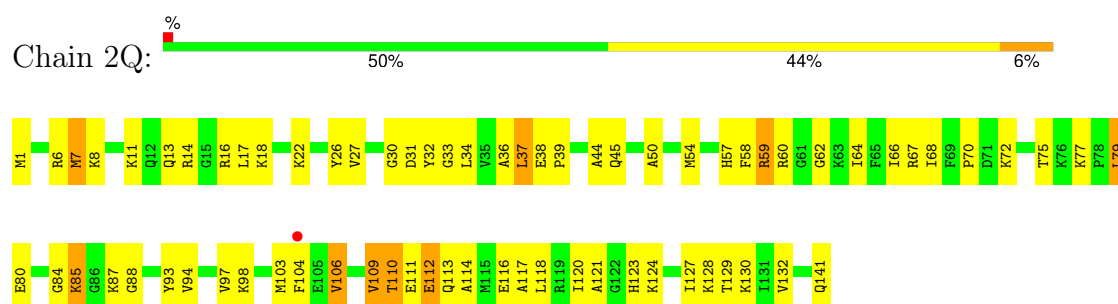
- Molecule 11: 50S ribosomal protein L15



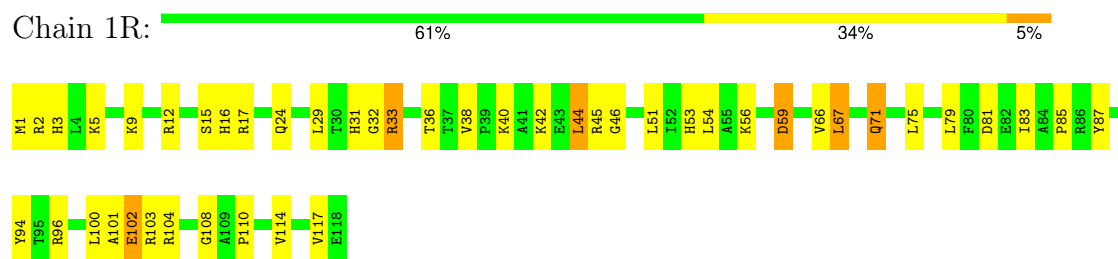
• Molecule 12: 50S ribosomal protein L16



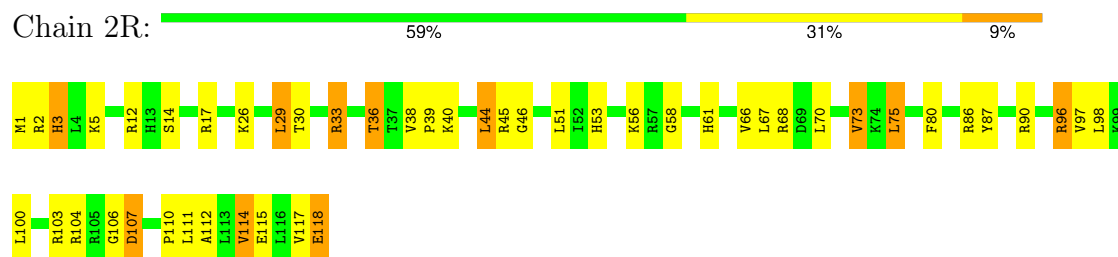
• Molecule 12: 50S ribosomal protein L16



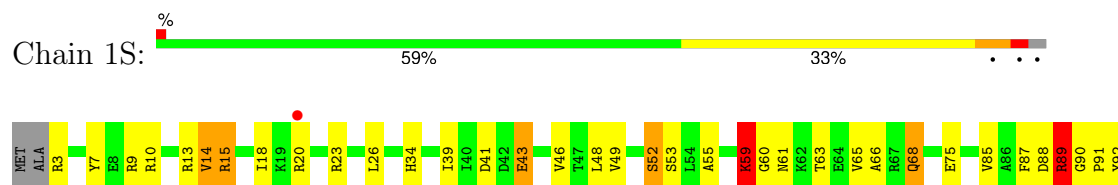
• Molecule 13: 50S ribosomal protein L17



• Molecule 13: 50S ribosomal protein L17

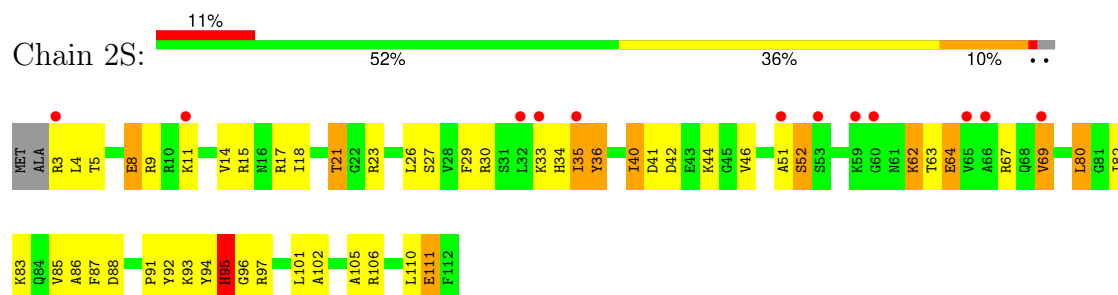


• Molecule 14: 50S ribosomal protein L18

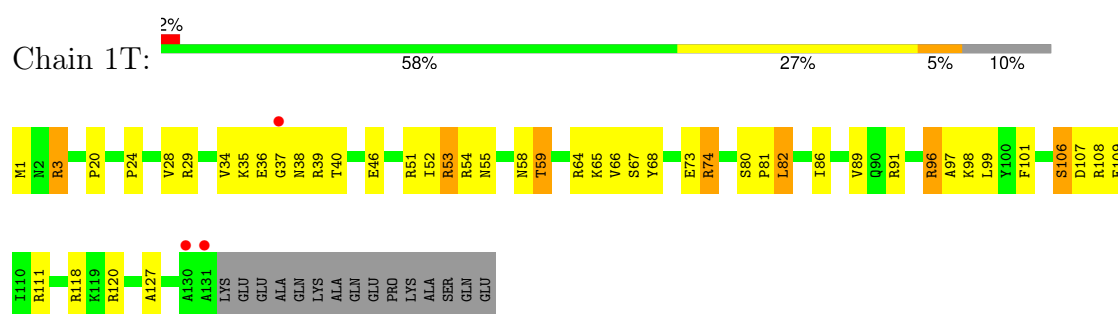




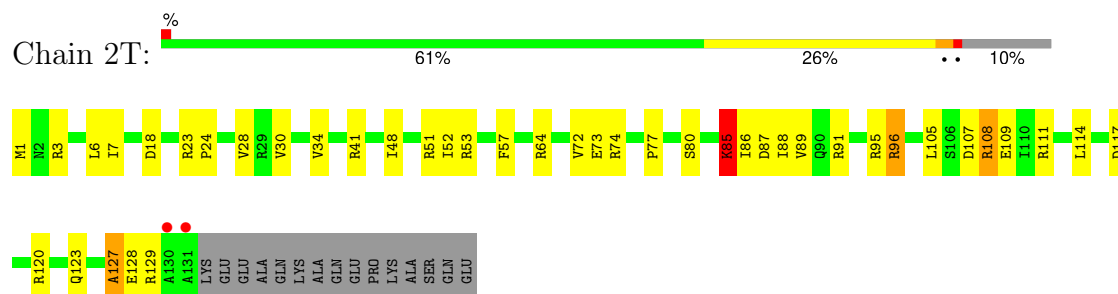
• Molecule 14: 50S ribosomal protein L18



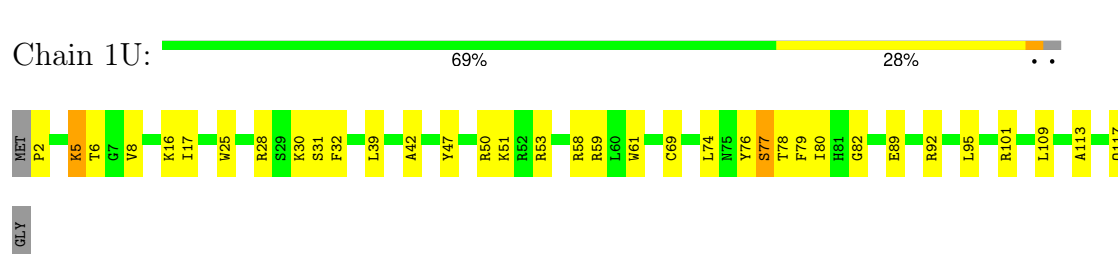
• Molecule 15: 50S ribosomal protein L19



• Molecule 15: 50S ribosomal protein L19

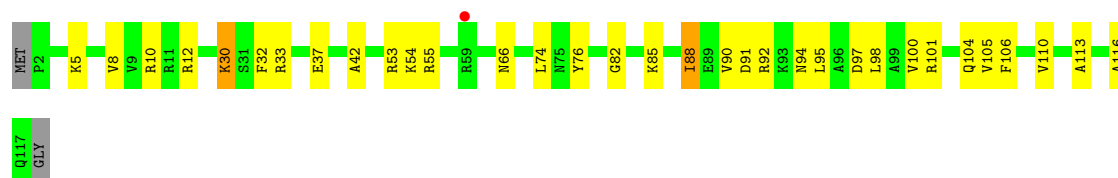


• Molecule 16: 50S ribosomal protein L20

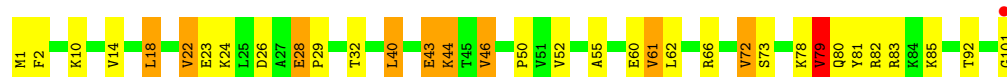


• Molecule 16: 50S ribosomal protein L20

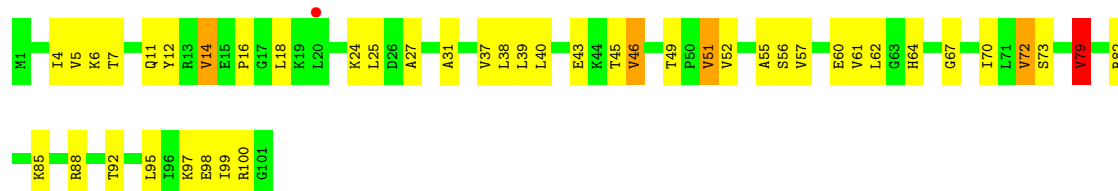




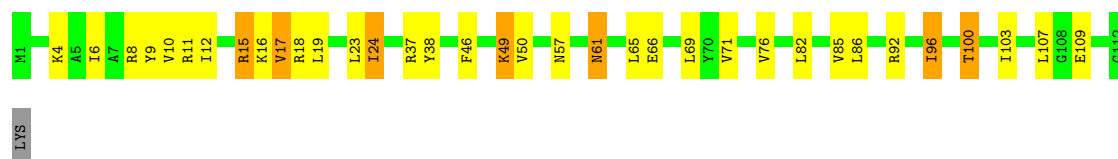
- Molecule 17: 50S ribosomal protein L21



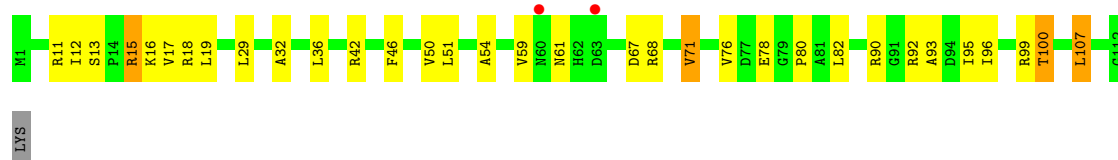
- Molecule 17: 50S ribosomal protein L21



- Molecule 18: 50S ribosomal protein L22



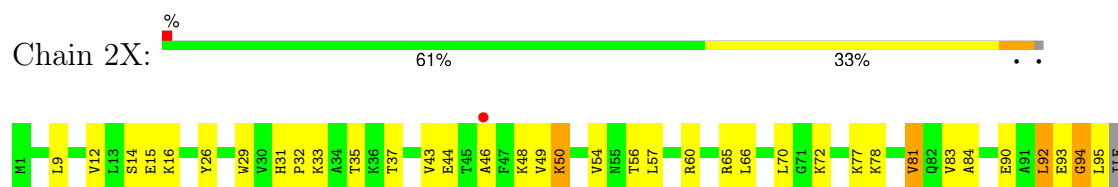
- Molecule 18: 50S ribosomal protein L22



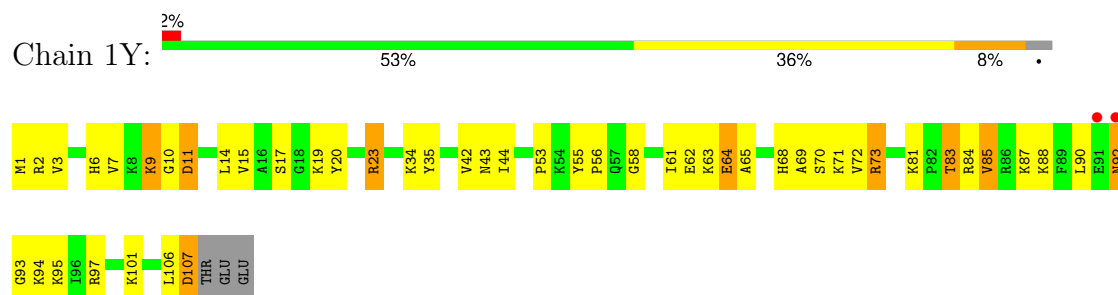
- Molecule 19: 50S ribosomal protein L23



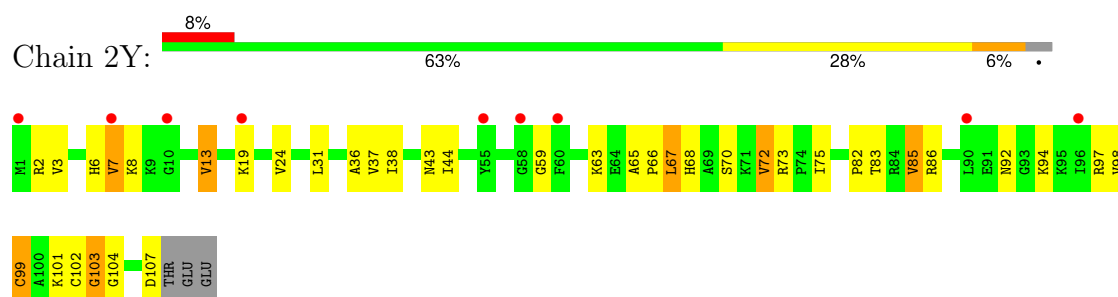
- Molecule 19: 50S ribosomal protein L23



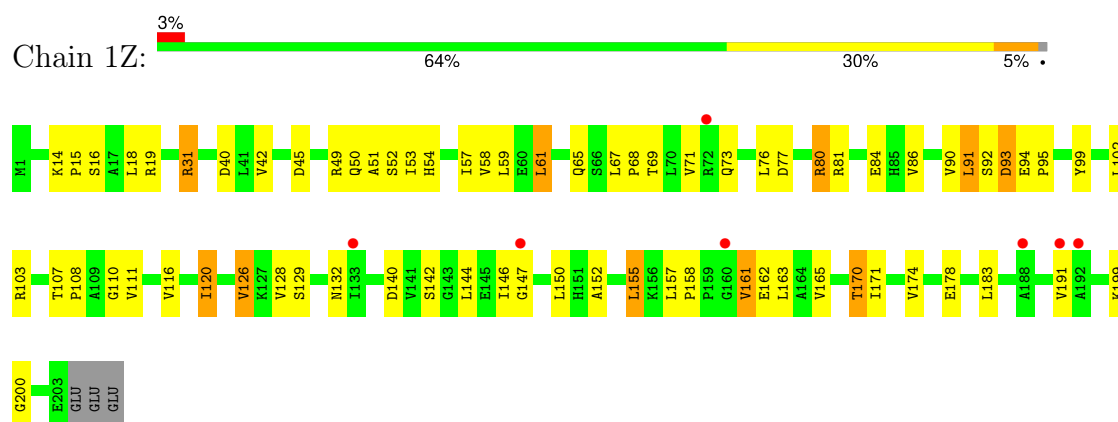
- Molecule 20: 50S ribosomal protein L24



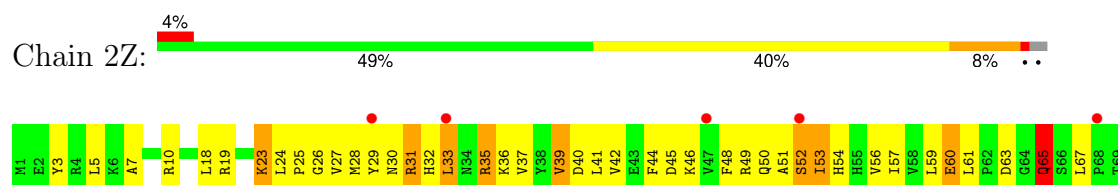
- Molecule 20: 50S ribosomal protein L24

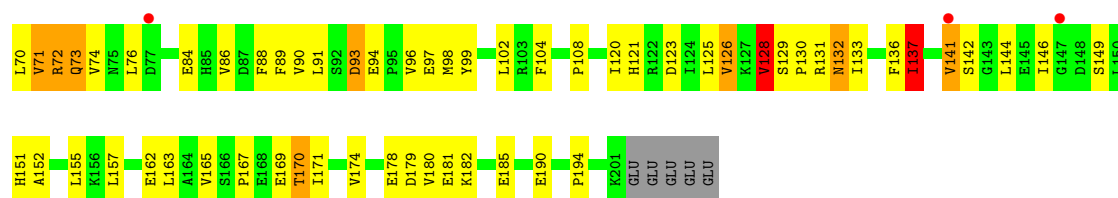


- Molecule 21: 50S ribosomal protein L25

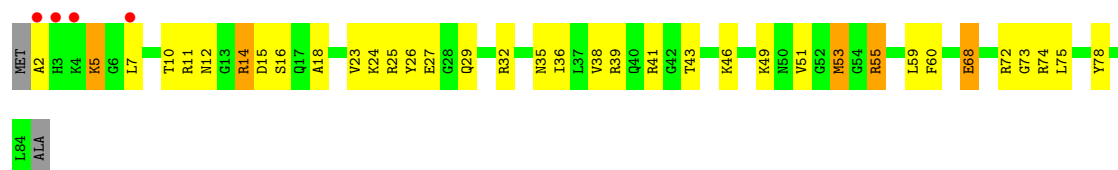


- Molecule 21: 50S ribosomal protein L25





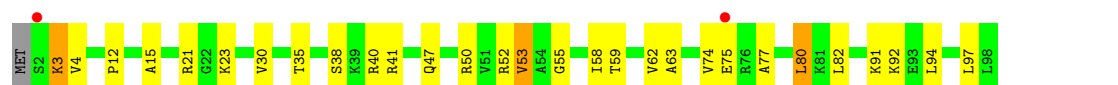
• Molecule 22: 50S ribosomal protein L27



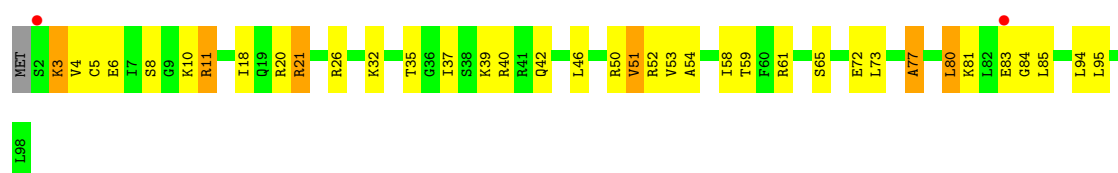
• Molecule 22: 50S ribosomal protein L27



• Molecule 23: 50S ribosomal protein L28



• Molecule 23: 50S ribosomal protein L28



• Molecule 24: 50S ribosomal protein L29





- Molecule 24: 50S ribosomal protein L29



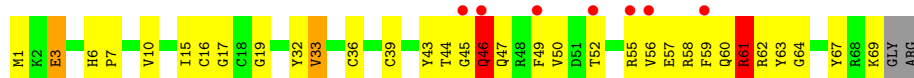
- Molecule 25: 50S ribosomal protein L30



- Molecule 25: 50S ribosomal protein L30



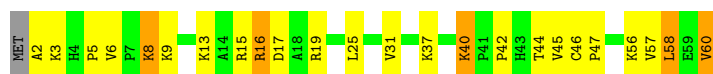
- Molecule 26: 50S ribosomal protein L31



- Molecule 26: 50S ribosomal protein L31



- Molecule 27: 50S ribosomal protein L32



- Molecule 27: 50S ribosomal protein L32

Chain 25:  72% 25% ..



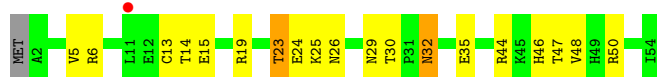
- Molecule 28: 50S ribosomal protein L33

Chain 16:  59% 31% 7% .



- Molecule 28: 50S ribosomal protein L33

Chain 26:  2% 63% 31% ..



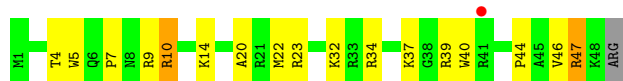
- Molecule 29: 50S ribosomal protein L34

Chain 17:  2% 61% 31% 6% .



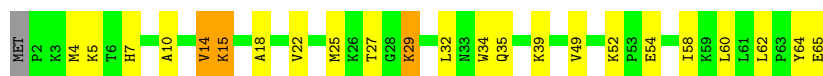
- Molecule 29: 50S ribosomal protein L34

Chain 27:  2% 63% 31% ..



- Molecule 30: 50S ribosomal protein L35

Chain 18:  63% 31% 5% .

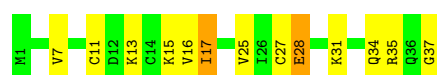


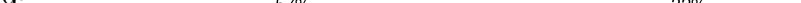
- Molecule 30: 50S ribosomal protein L35

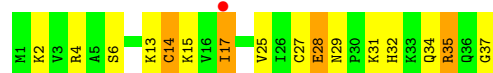
Chain 28:  77% 20% ..

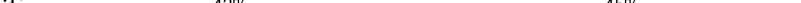


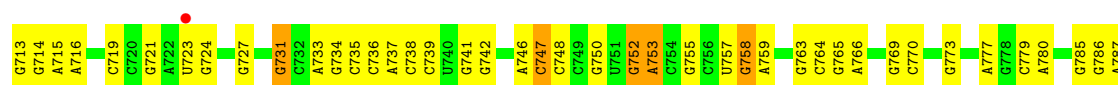
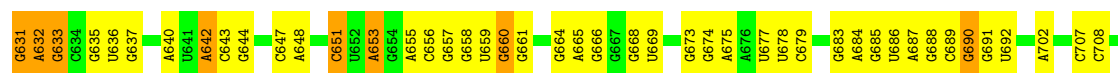
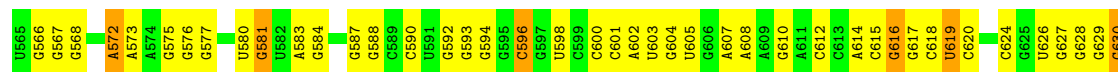
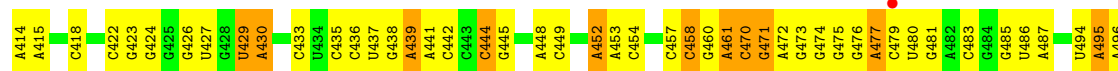
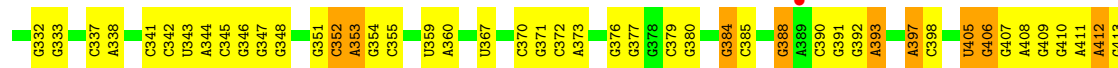
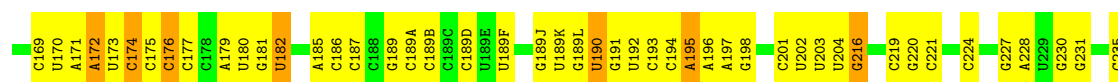
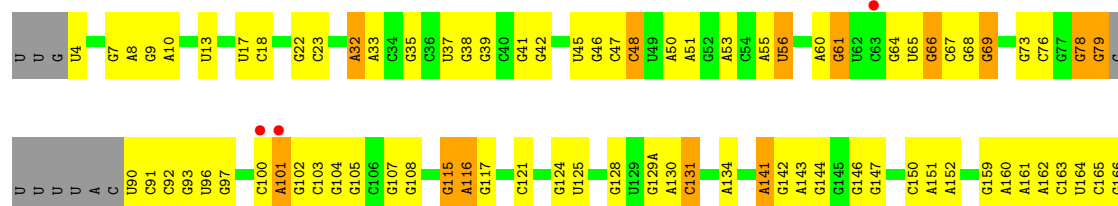
- Molecule 31: 50S ribosomal protein L36



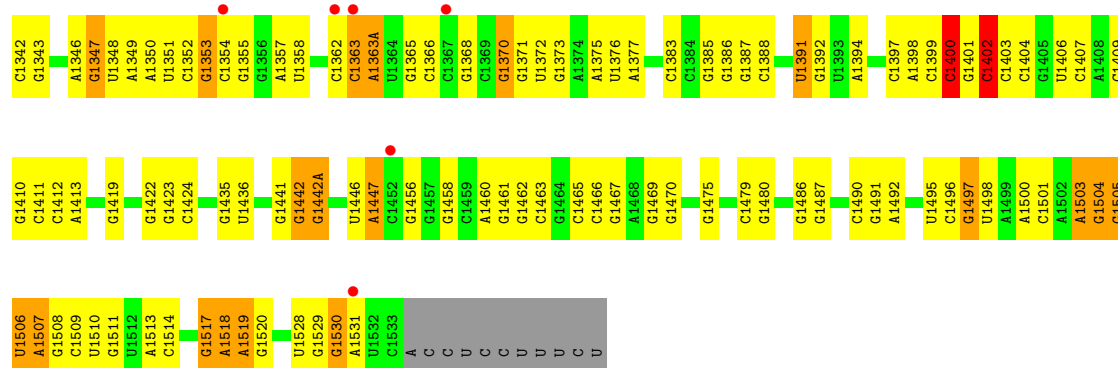
- Chain 29: 



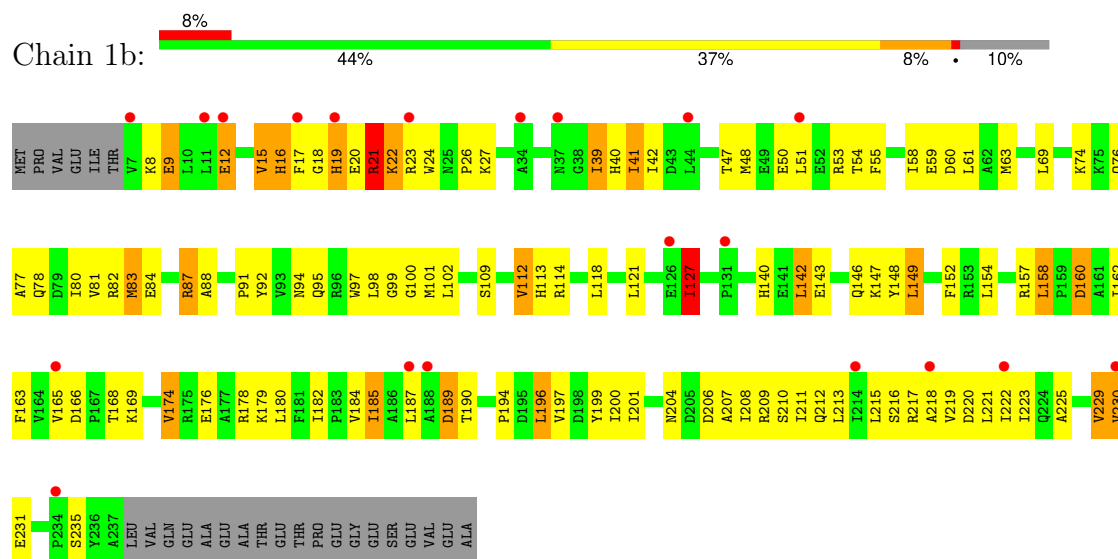
- Chain 1a: 



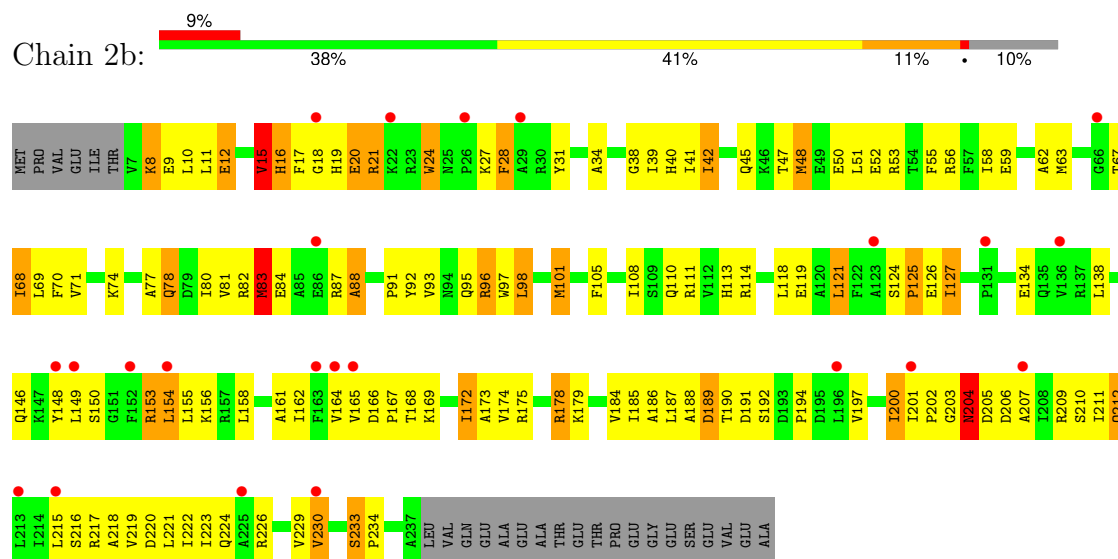
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C1277	G1202	G1202	C1137	A1067	G1003	A937	G854	G758	A676	A584	C514	G425	C235
U1278	C1203	C1203	G1138	C1068	A1004	A938		A759	U677	G585	G515	G426	C236
A1279	A1204	A1204	G1139	C1069	A1005	G939	C857	G760		C596	U516	U427	C237
A1280	U1205	U1205	C1140	U1070	C1006	G942	C858	G761		G597	G517	G428	C238
U1281	G1206	G1206	C1141	C1071	C1007	G943	A859	G762		G597	C518	U429	U239
C1282	G1207	G1207	G1142	U1072	C1008	G944	A860	G763		C598	C519	C240	
C1283	U1211	U1211	G1143	U1073	G1009	G945	C866	G764		U598	C520		G247
G1284	U1212	U1212	G1144	U1074	G1010	G946	C867			C599	A520	U434	
A1285	A1213	A1213	G1145	C1075	G1011	G947	C868	A767		C599	A521	C436	G351
A1286	C1214	C1214	A1146	U1076	U1012	C948	C868	A768		C600	G522	C437	C352
A1287	G1215	G1215	U1147	U1077	G1013	A949	C869	G769		C601		G438	A353
A1288	G1216	G1216	U1148	U1078	A1014	U950				G604	C526	G439	U253
A1289	G1217	G1217	C1149	U1079	G951	G947	A872	G773		U605	C527	A441	G251
G1290	C1218	C1218	U1150	A1080	A1015	G948	A873			C528	C528	C442	U252
G1291	A1151	A1151	G1151	C1076	A1016	U952	A874	A777		C529	C529	C443	G254
U1292	U1219	U1219	A1152	G1081	G953	G954	C875			A607		C444	U256
C1293			C1153	U1084	C1018	G954	C876	G786		A608	A532	C445	G257
G1294	G1222	G1222	G1154	U1085	C1019	U955	C877			A609	A533	G446	G258
G1295	C1223	C1223	G1155	U1086	U1020	A959	C878	U789		G610	C536		A262
	A1224	A1224	U1156	U1087	G1021	U960	C879	U790		A611		A451	A263
C1298	A1225	A1225	A1157	G1088	G1022	U961	C880	G791		C620	A539	A452	G266
A1299	C1226	C1226	G1158	U1089	G1023	U962	C881	G792		A621	G540	A453	C372
G1300	U1227	U1227	U1159	U1090	U1024	A964	C882	U793		A622	G541	C454	C267
U1301	C1228	C1228	G1160	U1091	G1025	A965	C883	U794		C623	G542	C455	C268
C1302	A1229	A1229	C1161	U1092	G1026	G966	C884	A797		C624	C543	C456	C269
C1303	U1232	U1232	G1162	U1093	C1027	C967	C885	C797		C625	C544	C457	A270
G1304	A1233	A1233	C1163	C1096	C1028	A968	C886			G629	C545	C458	C271
G1305	U1234	U1234	G1164	C1097	C1029	A969	C887	G803		G630	C546	C459	C272
A1306	C1235	C1235	A1169	G1099	G1030	C970	C888	U804		G631	A547	A461	A273
U1307	U1236	U1236	A1170	G1100	C1030A	C971	C889	C805		A632	G548	C470	A274
U1308	C1237	C1237	A1171	A1101	G1030C	C972	C890	C811		G633		C471	
G1309	A1238	A1238	G1172	C1102	A1030D	A974	C891	C812		U551	U552	A472	A279
G1310	U1239	U1239	G1173	C1103	G1031	A975	C892	U813		A553	A553	A473	C280
G1311	U1240	U1240		A1104	G1032	G976	C893	U814		C390	C391	G474	G281
G1312	G1241	G1241	A1176	G1105	G1033	A977	C894	U815		C392		G475	G289
U1313	C1246	C1246	G1177	C1107	G1034	A978	C895	A816		C556	C556	U480	
G1316	U1247	U1247	G1178	C1108	A1035	C979	C896	A817		G557	G557	U481	U296
A1318	A1250	A1250	A1179	G1109	C1036	C980	C897	C818		C397	A397	G484	G297
A1319	A1251	A1251	G1181	C1112	C1037	U981	C898	C819		C398	A398	G485	A298
C1320	A1256	A1256	G1182	G1117	G1038	U982	C899	U820		C399	G399	U400	G299
C1321	U1257	U1257	A1183	C1118	C1039	A983	C900	U821		C561	U561	C401	A300
C1322	G1258	G1258	G1184	C1119	U1040	C984	C901	C826		C562	C562	G492	G301
G1323	A1259	A1259	G1185	C1120	A1041	C985	C902	G827		A563	A563	G493	G306
A1324	C1259	C1259	G1186	U1121	C1042	A986	C903	G828		C564	C564	U494	C403
C1325	U1260	U1260	G1187	U1122	G1043	G987	C904	U829		U565	U565	U404	U404
G1326	C1261	C1261	A1188	A1123	G1047	G988	C905	C836		G566	G566	U496	G309
C1327	G1262	G1262	C1189	G1124		G989	C906	G837		G567	G567	U497	G310
C1328	C1263	C1263	U1190	U1125	G1053	C990	C907	G838		A572	A572	A498	G407
G1329	U1264	U1264	A1191	U1126	C1054	U991	C908	G839		C501	A573	A499	A408
G1330	C1265	C1265	C1192	G1127	A1055	U992	C909	U840		A574	A574	G502	A321
G1331	G1266	G1266	G1193	C1128	U1056	G993	C910	U841		G575	G575	G503	C322
	A1269	A1269	U1194	C1129	G1057	A994	C911	C848		G576	G576	G504	U323
A1339	U1341	U1341	G1195	A1130	C1058	C995	C912	C849		G577	G577	G505	G324
A1340			U1196	G1133	C1059	G999	C913	U850		C578	C578	A509	C328
U1341			G1197	G1134	C1063	C999	C914	C851		U580	U580	A510	C422



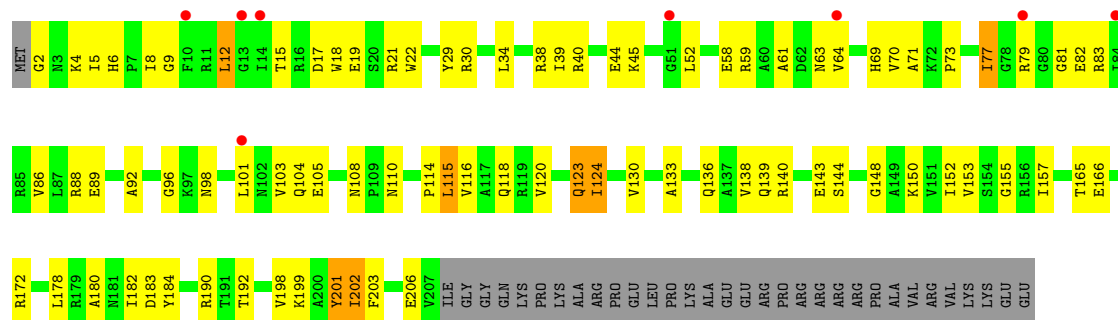
• Molecule 33: 30S ribosomal protein S2



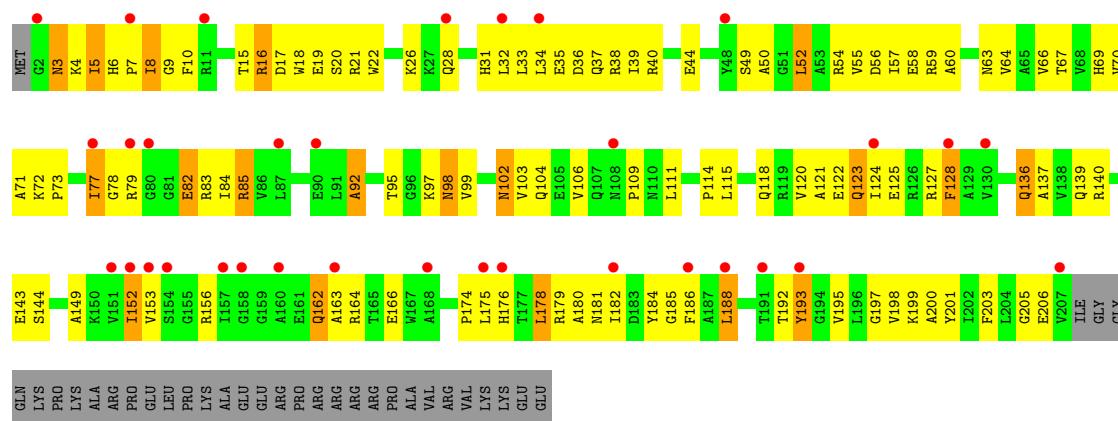
• Molecule 33: 30S ribosomal protein S2



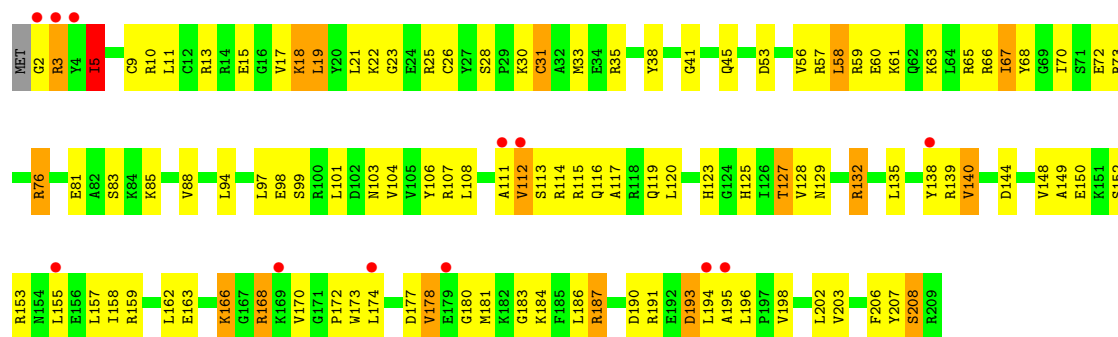
• Molecule 34: 30S ribosomal protein S3



• Molecule 34: 30S ribosomal protein S3

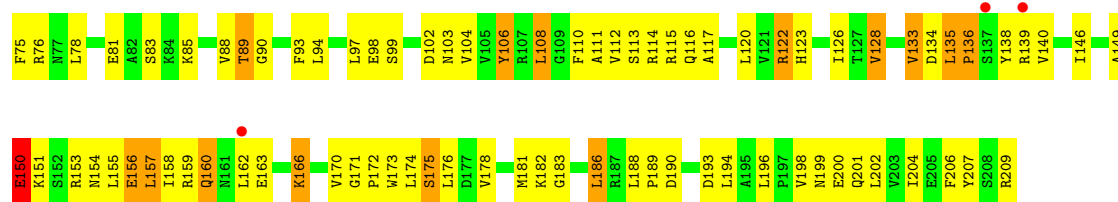


• Molecule 35: 30S ribosomal protein S4

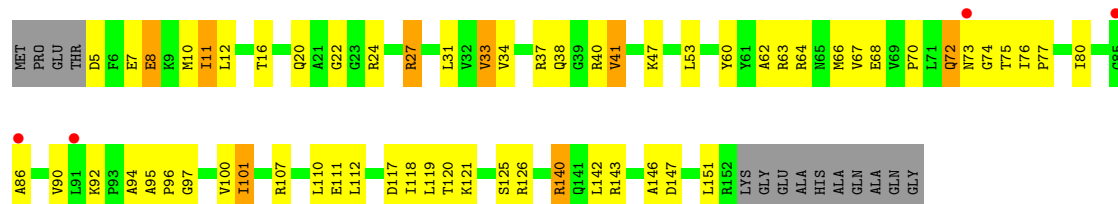


• Molecule 35: 30S ribosomal protein S4

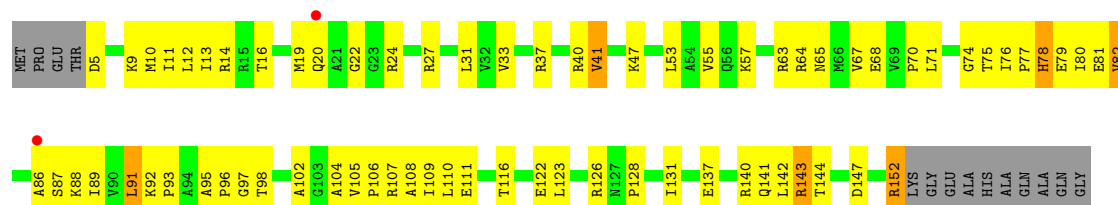




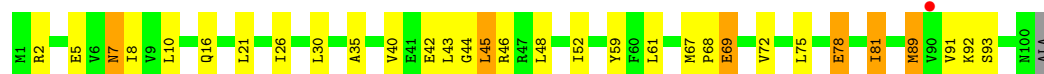
• Molecule 36: 30S ribosomal protein S5



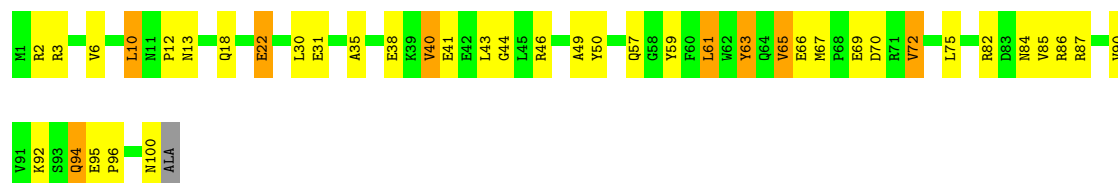
• Molecule 36: 30S ribosomal protein S5



• Molecule 37: 30S ribosomal protein S6

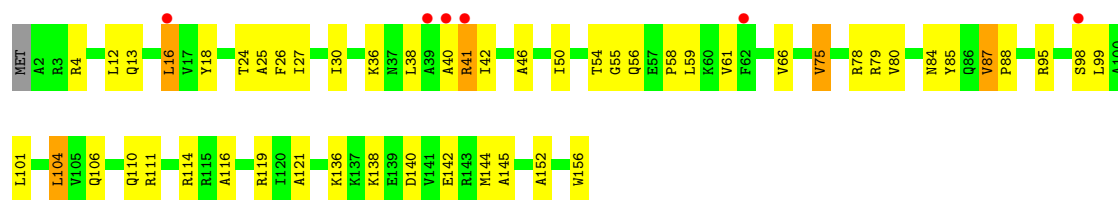


• Molecule 37: 30S ribosomal protein S6

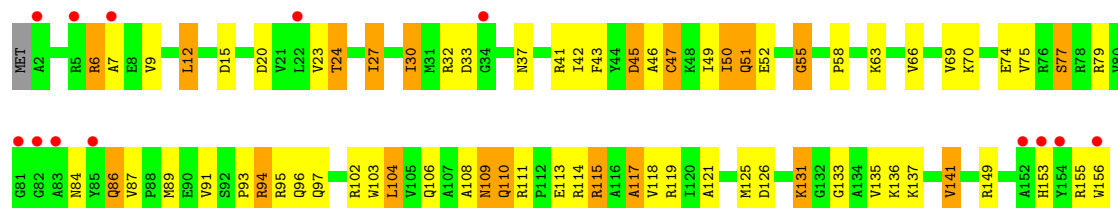


• Molecule 38: 30S ribosomal protein S7

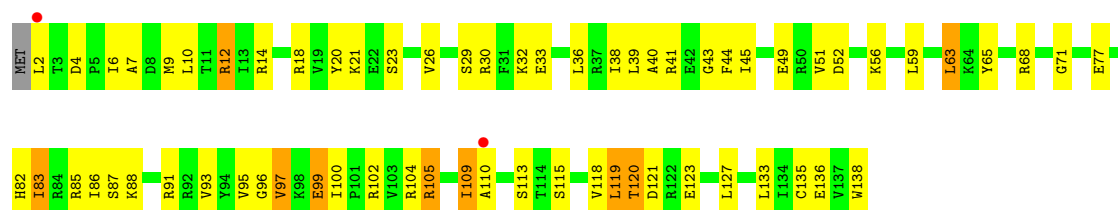




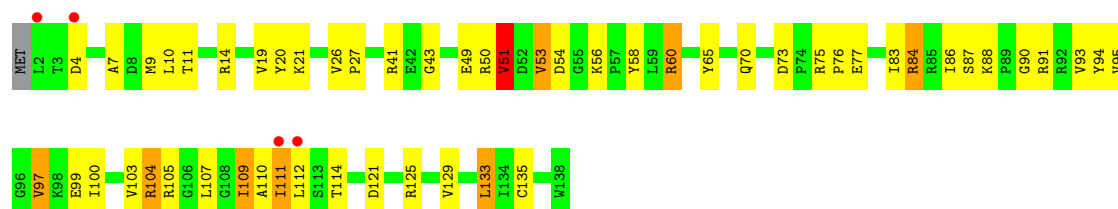
• Molecule 38: 30S ribosomal protein S7



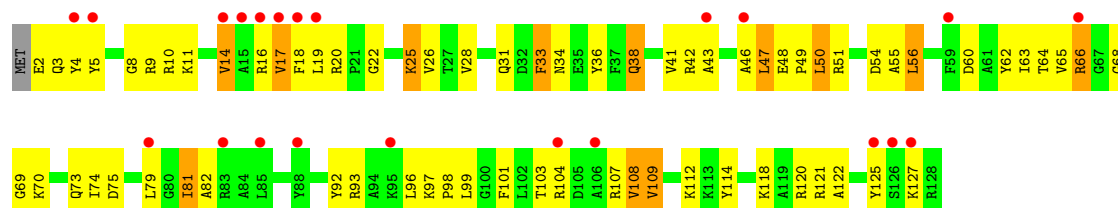
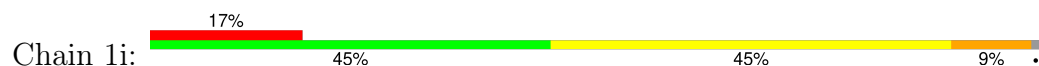
• Molecule 39: 30S ribosomal protein S8



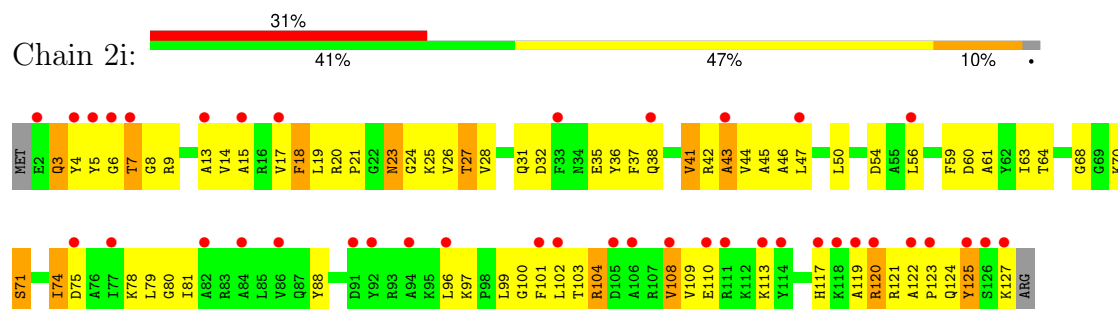
• Molecule 39: 30S ribosomal protein S8



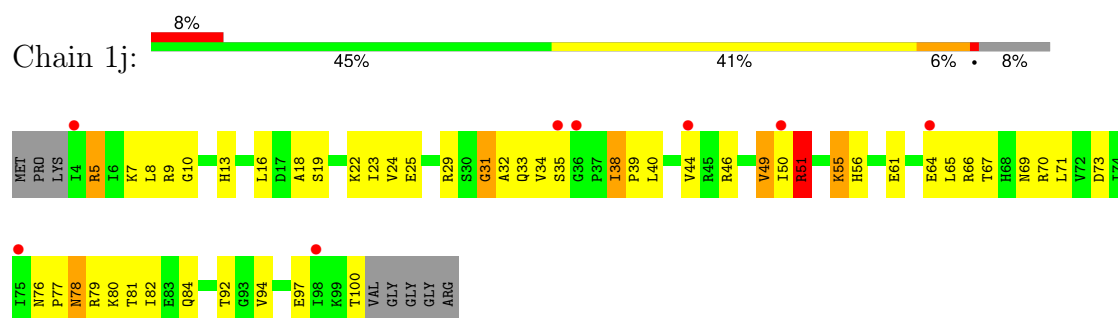
• Molecule 40: 30S ribosomal protein S9



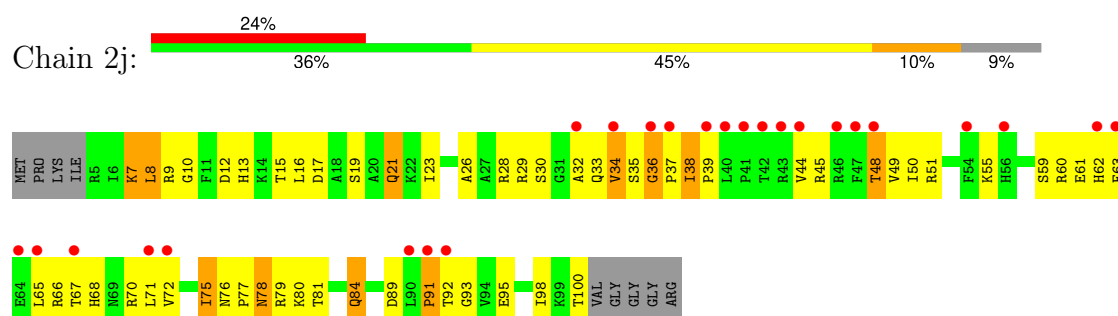
- Molecule 40: 30S ribosomal protein S9



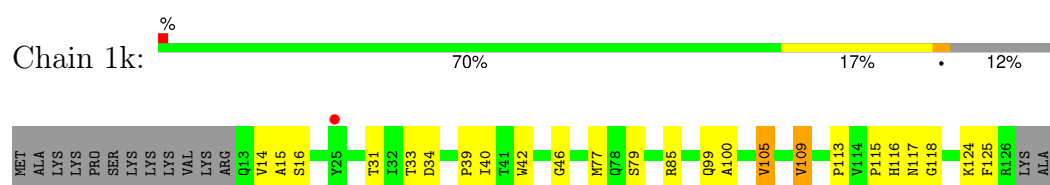
- Molecule 41: 30S ribosomal protein S10



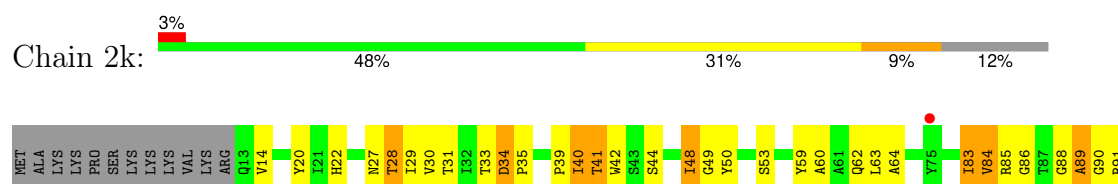
- Molecule 41: 30S ribosomal protein S10



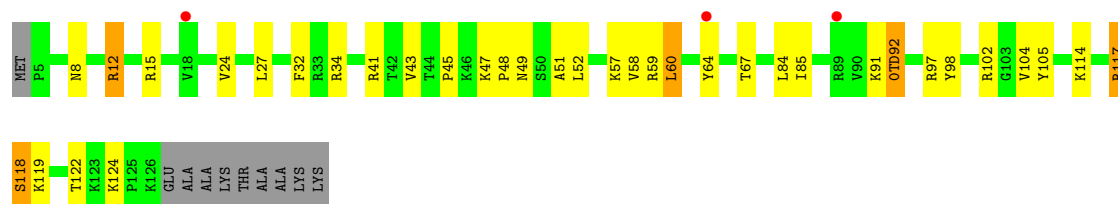
- Molecule 42: 30S ribosomal protein S11



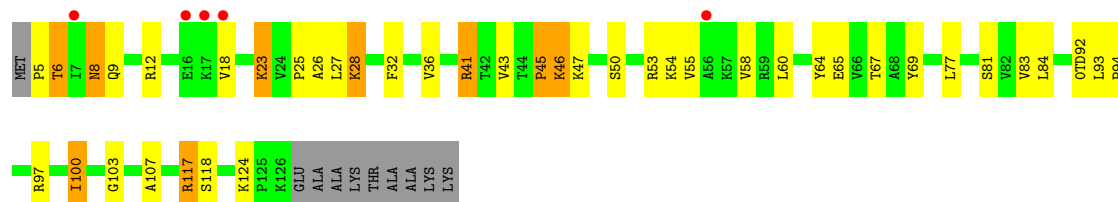
- Molecule 42: 30S ribosomal protein S11



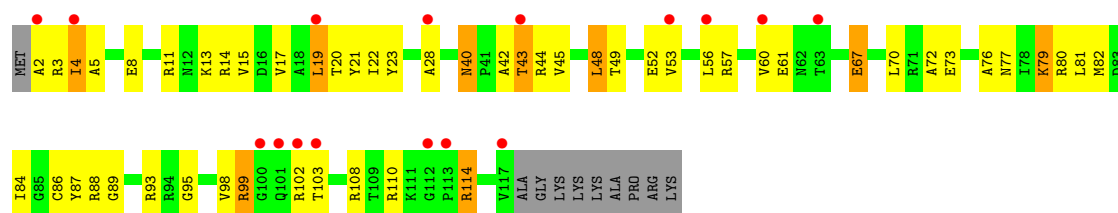
- Molecule 43: 30S ribosomal protein S12



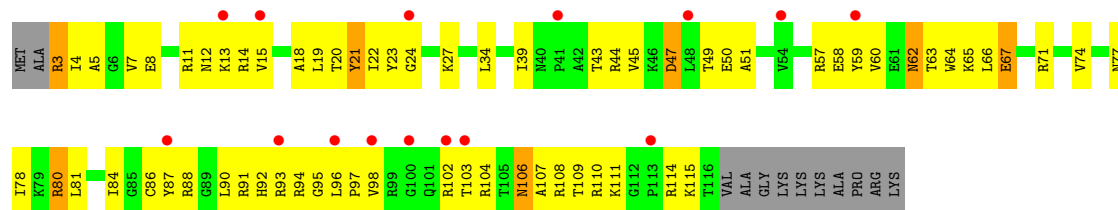
- Molecule 43: 30S ribosomal protein S12



- Molecule 44: 30S ribosomal protein S13

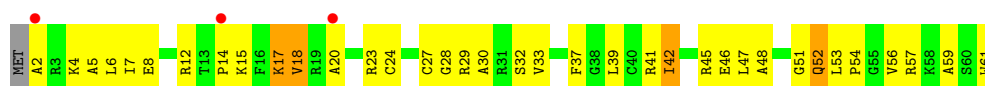


- Molecule 44: 30S ribosomal protein S13

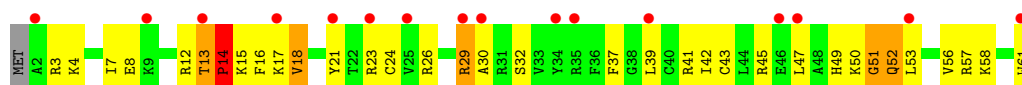
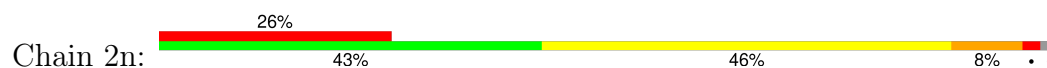


- Molecule 45: 30S ribosomal protein S14 type Z

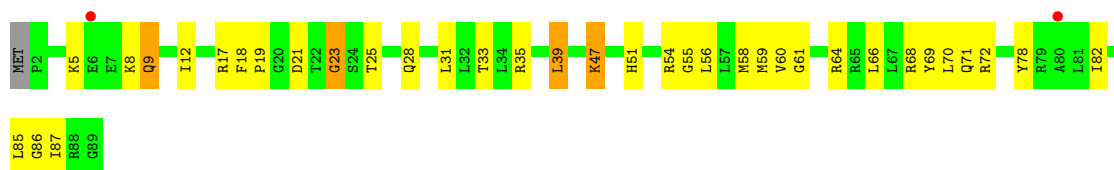




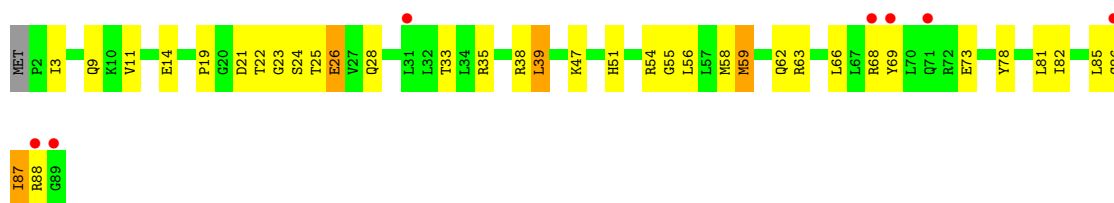
- Molecule 45: 30S ribosomal protein S14 type Z



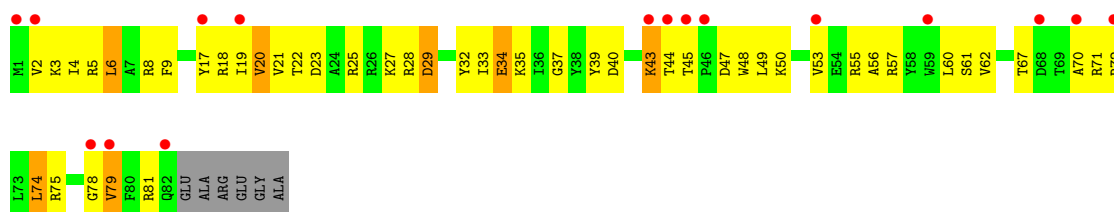
- Molecule 46: 30S ribosomal protein S15



- Molecule 46: 30S ribosomal protein S15

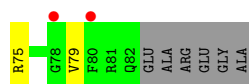


- Molecule 47: 30S ribosomal protein S16



- Molecule 47: 30S ribosomal protein S16

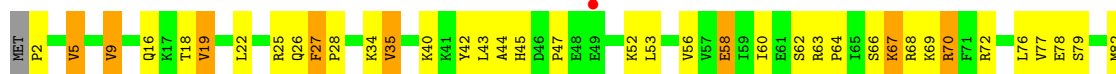




- Molecule 48: 30S ribosomal protein S17



- Molecule 48: 30S ribosomal protein S17



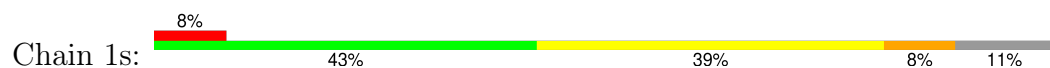
- Molecule 49: 30S ribosomal protein S18

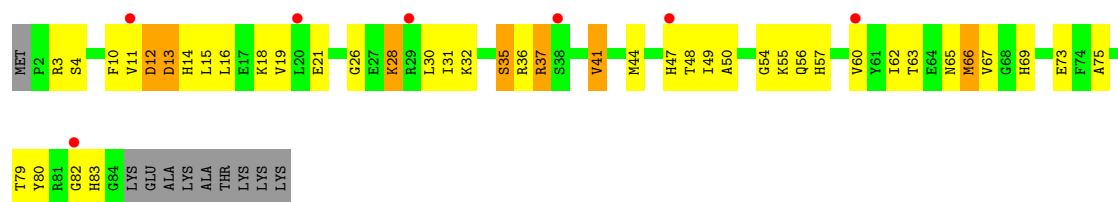


- Molecule 49: 30S ribosomal protein S18

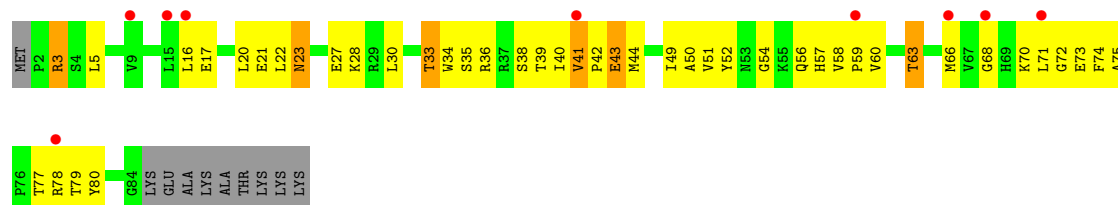


- Molecule 50: 30S ribosomal protein S19

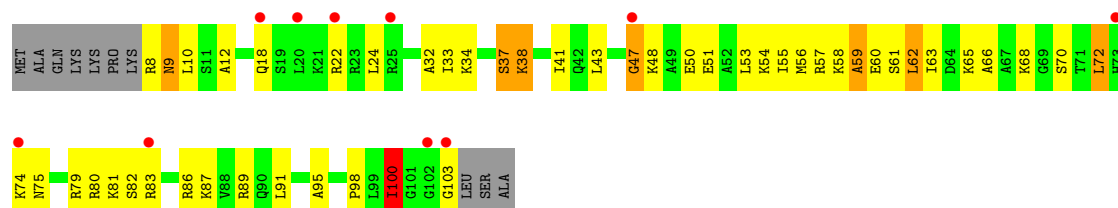
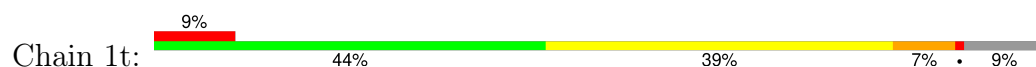




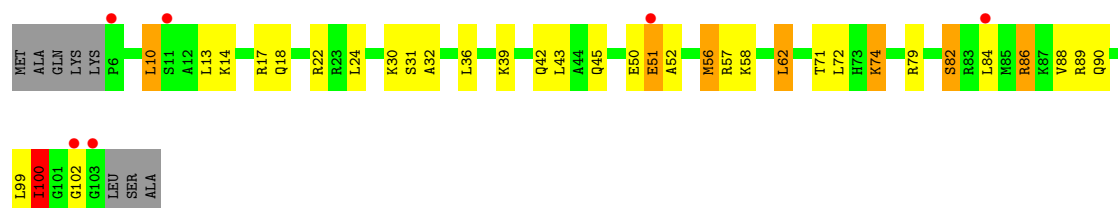
- Molecule 50: 30S ribosomal protein S19



- Molecule 51: 30S ribosomal protein S20



- Molecule 51: 30S ribosomal protein S20

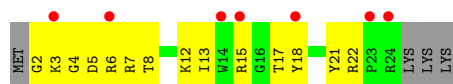


- Molecule 52: 30S ribosomal protein Thx

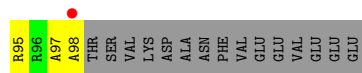


- Molecule 52: 30S ribosomal protein Thx

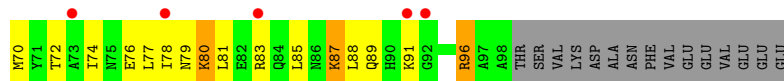
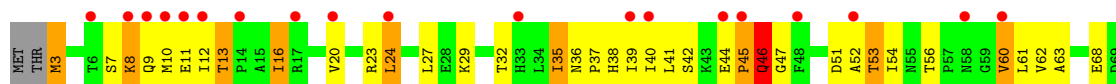




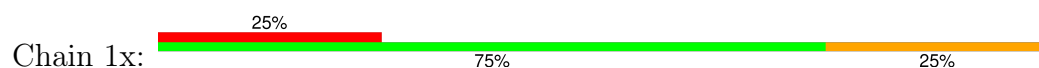
• Molecule 53: Ribosome-associated inhibitor A



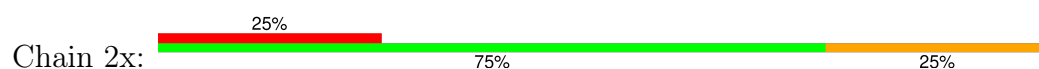
• Molecule 53: Ribosome-associated inhibitor A



• Molecule 54: P-site Peptidyl-tRNA Analog RNA



• Molecule 54: P-site Peptidyl-tRNA Analog RNA



• Molecule 55: P-site Peptidyl-tRNA Analog Peptide



• Molecule 55: P-site Peptidyl-tRNA Analog Peptide





4 Data and refinement statistics

Property	Value	Source
Space group	P 21 21 21	Depositor
Cell constants a, b, c, α , β , γ	208.05Å 456.26Å 616.30Å 90.00° 90.00° 90.00°	Depositor
Resolution (Å)	106.05 – 2.75 106.05 – 2.75	Depositor EDS
% Data completeness (in resolution range)	87.9 (106.05-2.75) 87.9 (106.05-2.75)	Depositor EDS
R_{merge}	0.23	Depositor
R_{sym}	(Not available)	Depositor
$\langle I/\sigma(I) \rangle$ ¹	1.27 (at 2.73Å)	Xtriage
Refinement program	PHENIX 1.8.2	Depositor
R, R_{free}	0.203 , 0.266 0.205 , 0.264	Depositor DCC
R_{free} test set	66074 reflections (4.41%)	wwPDB-VP
Wilson B-factor (Å ²)	51.8	Xtriage
Anisotropy	0.291	Xtriage
Bulk solvent k_{sol} (e/Å ³), B_{sol} (Å ²)	0.29 , 56.0	EDS
L-test for twinning ²	$\langle L \rangle = 0.43$, $\langle L^2 \rangle = 0.25$	Xtriage
Estimated twinning fraction	No twinning to report.	Xtriage
F_o, F_c correlation	0.93	EDS
Total number of atoms	297533	wwPDB-VP
Average B, all atoms (Å ²)	54.0	wwPDB-VP

Xtriage's analysis on translational NCS is as follows: *The largest off-origin peak in the Patterson function is 3.16% 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: 2MG, MPD, 2MA, ZN, 0TD, MA6, SPS, OMC, MRD, M2G, OMU, G7M, 5MU, 8AN, PSU, UR3, 4OC, SF4, MG, 5MC, OMG

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	0.57	1/69031 (0.0%)	0.75	7/107754 (0.0%)
1	2A	0.47	0/68903	0.67	7/107552 (0.0%)
2	1B	0.47	0/2876	0.73	0/4486
2	2B	0.39	0/2878	0.61	0/4490
3	1D	0.56	0/2181	0.79	0/2940
3	2D	0.48	0/2186	0.73	0/2944
4	1E	0.54	0/1592	0.74	0/2149
4	2E	0.48	0/1592	0.75	3/2149 (0.1%)
5	1F	0.55	0/1619	0.75	0/2193
5	2F	0.44	0/1615	0.70	2/2188 (0.1%)
6	1G	0.42	0/1451	0.66	0/1961
6	2G	0.45	0/1449	0.65	0/1957
7	1H	0.46	0/1356	0.67	1/1834 (0.1%)
7	2H	0.41	0/1350	0.64	1/1826 (0.1%)
8	1I	0.41	0/1109	0.65	1/1512 (0.1%)
8	2I	0.43	0/1091	0.64	0/1490
9	1N	0.55	0/1148	0.72	0/1547
9	2N	0.44	0/1144	0.65	0/1543
10	1O	0.54	0/943	0.74	0/1269
10	2O	0.48	0/943	0.69	0/1269
11	1P	0.54	0/1152	0.77	2/1533 (0.1%)
11	2P	0.49	0/1152	0.81	3/1533 (0.2%)
12	1Q	0.60	0/1143	0.78	0/1527
12	2Q	0.43	0/1143	0.73	0/1527
13	1R	0.58	0/982	0.74	0/1312
13	2R	0.48	0/982	0.72	0/1312
14	1S	0.53	0/887	0.77	0/1180
14	2S	0.46	0/880	0.69	0/1172
15	1T	0.53	0/1105	0.75	0/1477
15	2T	0.45	0/1097	0.69	0/1468
16	1U	0.61	0/977	0.75	0/1301

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	# Z >5	RMSZ	# Z >5
16	2U	0.46	0/977	0.63	0/1301
17	1V	0.53	0/786	0.75	0/1053
17	2V	0.47	0/782	0.69	0/1049
18	1W	0.60	0/897	0.75	0/1205
18	2W	0.52	0/897	0.72	0/1205
19	1X	0.59	0/764	0.76	0/1025
19	2X	0.45	0/764	0.69	0/1025
20	1Y	0.60	0/823	0.86	2/1099 (0.2%)
20	2Y	0.48	0/823	0.72	0/1100
21	1Z	0.48	0/1620	0.68	0/2200
21	2Z	0.46	0/1590	0.67	1/2162 (0.0%)
22	10	0.55	0/662	0.82	0/881
22	20	0.50	0/659	0.76	0/877
23	11	0.56	0/761	0.74	0/1013
23	21	0.51	0/766	0.72	0/1018
24	12	0.53	0/590	0.76	0/781
24	22	0.44	0/594	0.67	0/785
25	13	0.52	0/474	0.71	0/635
25	23	0.41	0/469	0.60	0/630
26	14	0.54	0/559	0.78	2/754 (0.3%)
26	24	0.52	0/549	0.81	2/741 (0.3%)
27	15	0.57	0/473	0.79	0/639
27	25	0.48	0/469	0.67	0/635
28	16	0.57	0/460	0.86	0/613
28	26	0.45	0/456	0.68	0/608
29	17	0.70	0/426	0.89	0/561
29	27	0.54	0/426	0.75	0/561
30	18	0.59	0/525	0.82	0/691
30	28	0.46	0/525	0.67	0/691
31	19	0.51	0/310	0.73	0/407
31	29	0.42	0/310	0.72	0/407
32	1a	0.40	1/35795 (0.0%)	0.60	3/55864 (0.0%)
32	2a	0.39	0/35890	0.58	3/56012 (0.0%)
33	1b	0.42	0/1876	0.66	0/2533
33	2b	0.44	0/1860	0.63	0/2518
34	1c	0.44	0/1582	0.65	0/2137
34	2c	0.46	1/1566 (0.1%)	0.63	0/2119
35	1d	0.42	0/1695	0.67	0/2274
35	2d	0.41	0/1698	0.63	0/2277
36	1e	0.38	0/1149	0.61	0/1548
36	2e	0.40	0/1149	0.60	0/1548
37	1f	0.44	0/827	0.63	0/1120
37	2f	0.42	0/829	0.61	0/1123

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	# Z >5	RMSZ	# Z >5
38	1g	0.39	0/1254	0.60	0/1683
38	2g	0.39	0/1248	0.57	0/1676
39	1h	0.43	0/1118	0.63	0/1506
39	2h	0.40	0/1108	0.63	0/1494
40	1i	0.41	0/1005	0.63	0/1351
40	2i	0.45	0/985	0.70	1/1329 (0.1%)
41	1j	0.42	0/732	0.62	0/993
41	2j	0.46	0/723	0.69	0/984
42	1k	0.37	0/849	0.60	0/1150
42	2k	0.38	0/848	0.69	2/1149 (0.2%)
43	1l	0.40	0/937	0.65	0/1260
43	2l	0.41	0/937	0.63	0/1260
44	1m	0.40	0/924	0.62	0/1242
44	2m	0.40	0/905	0.70	1/1217 (0.1%)
45	1n	0.42	0/501	0.66	0/664
45	2n	0.52	0/501	0.86	3/664 (0.5%)
46	1o	0.44	0/739	0.63	0/985
46	2o	0.42	0/739	0.64	1/985 (0.1%)
47	1p	0.42	0/697	0.67	0/939
47	2p	0.40	0/693	0.70	2/935 (0.2%)
48	1q	0.39	0/836	0.62	0/1117
48	2q	0.40	0/836	0.64	0/1117
49	1r	0.38	0/560	0.62	0/746
49	2r	0.44	0/560	0.61	0/746
50	1s	0.37	0/663	0.63	0/895
50	2s	0.44	0/660	0.59	0/893
51	1t	0.46	0/734	0.65	0/969
51	2t	0.40	0/736	0.63	0/976
52	1u	0.40	0/203	0.72	0/266
52	2u	0.40	0/203	0.58	0/266
53	1y	0.37	0/776	0.59	0/1048
53	2y	0.41	0/761	0.57	0/1030
54	1x	0.61	0/44	0.58	0/67
54	2x	0.45	0/44	0.63	0/67
55	1v	0.60	0/22	0.98	0/28
55	2v	0.76	0/22	0.98	0/28
All	All	0.48	3/310162 (0.0%)	0.68	50/463545 (0.0%)

All (3) bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
34	2c	92	ALA	CA-C	5.88	1.60	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	1A	2552	OMU	O3'-P	5.40	1.61	1.56
32	1a	1498	UR3	O3'-P	5.35	1.61	1.56

The worst 5 of 50 bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
11	2P	36	LYS	N-CA-C	10.28	125.52	111.54
11	2P	142	GLY	N-CA-C	-9.09	102.66	115.30
1	2A	1992	G	C2'-C3'-O3'	7.87	121.30	109.50
40	2i	120	ARG	N-CA-C	-7.75	105.78	114.62
42	2k	113	PRO	CA-C-N	-7.64	116.20	122.85

There are no chirality outliers.

There are no planarity outliers.

5.2 Too-close contacts

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

Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
1	1A	61869	0	31202	984	0
1	2A	61758	0	31152	1065	0
2	1B	2572	0	1305	44	0
2	2B	2573	0	1306	66	0
3	1D	2131	0	2207	64	0
3	2D	2136	0	2218	77	0
4	1E	1559	0	1618	50	0
4	2E	1559	0	1617	47	0
5	1F	1584	0	1625	55	0
5	2F	1580	0	1619	86	0
6	1G	1426	0	1445	66	0
6	2G	1424	0	1441	65	0
7	1H	1330	0	1407	46	0
7	2H	1324	0	1402	65	0
8	1I	1094	0	1127	33	0
8	2I	1076	0	1094	48	0
9	1N	1121	0	1195	31	0
9	2N	1117	0	1184	32	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
10	1O	933	0	996	30	0
10	2O	933	0	996	40	0
11	1P	1135	0	1212	45	0
11	2P	1135	0	1212	66	0
12	1Q	1122	0	1179	40	0
12	2Q	1122	0	1179	47	0
13	1R	968	0	1033	34	0
13	2R	968	0	1033	39	0
14	1S	877	0	938	32	0
14	2S	870	0	923	39	0
15	1T	1091	0	1151	36	0
15	2T	1083	0	1136	25	0
16	1U	959	0	1019	21	0
16	2U	959	0	1019	29	0
17	1V	775	0	841	26	0
17	2V	771	0	830	27	0
18	1W	886	0	940	22	0
18	2W	886	0	940	19	0
19	1X	750	0	814	30	0
19	2X	750	0	814	29	0
20	1Y	810	0	892	32	0
20	2Y	810	0	887	31	0
21	1Z	1587	0	1598	38	0
21	2Z	1557	0	1564	67	0
22	10	653	0	674	33	0
22	20	650	0	665	32	0
23	11	754	0	823	18	0
23	21	759	0	837	26	0
24	12	588	0	643	19	0
24	22	592	0	654	13	0
25	13	469	0	518	16	0
25	23	464	0	514	15	0
26	14	546	0	522	23	0
26	24	536	0	514	42	0
27	15	459	0	476	23	0
27	25	455	0	465	8	0
28	16	453	0	473	17	0
28	26	449	0	469	15	0
29	17	418	0	467	19	0
29	27	418	0	467	20	0
30	18	517	0	582	28	0
30	28	517	0	582	13	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
31	19	307	0	335	8	0
31	29	307	0	335	9	0
32	1a	32246	0	16294	672	0
32	2a	32331	0	16338	688	0
33	1b	1842	0	1862	84	0
33	2b	1825	0	1828	101	0
34	1c	1558	0	1557	57	0
34	2c	1542	0	1517	75	0
35	1d	1665	0	1687	87	0
35	2d	1668	0	1703	92	0
36	1e	1133	0	1191	41	0
36	2e	1133	0	1191	48	0
37	1f	814	0	808	27	0
37	2f	816	0	808	25	0
38	1g	1235	0	1249	35	0
38	2g	1229	0	1238	51	0
39	1h	1098	0	1143	53	0
39	2h	1088	0	1126	34	0
40	1i	986	0	990	65	0
40	2i	966	0	953	63	0
41	1j	719	0	672	28	0
41	2j	710	0	661	50	0
42	1k	834	0	838	12	0
42	2k	833	0	836	29	0
43	1l	932	0	981	26	0
43	2l	932	0	981	27	0
44	1m	914	0	954	45	0
44	2m	895	0	920	58	0
45	1n	492	0	528	30	0
45	2n	492	0	529	32	0
46	1o	728	0	760	27	0
46	2o	728	0	760	18	0
47	1p	681	0	697	30	0
47	2p	677	0	686	37	0
48	1q	823	0	891	43	0
48	2q	823	0	891	34	0
49	1r	555	0	618	20	0
49	2r	555	0	618	20	0
50	1s	648	0	658	35	0
50	2s	645	0	635	38	0
51	1t	732	0	809	35	0
51	2t	733	0	795	23	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
52	1u	199	0	208	7	0
52	2u	199	0	208	17	0
53	1y	764	0	786	33	0
53	2y	749	0	754	36	0
54	1x	63	0	33	3	0
54	2x	63	0	33	2	0
55	1v	23	0	29	0	0
55	2v	23	0	29	2	0
56	10	8	0	0	0	0
56	11	5	0	0	0	0
56	13	4	0	0	0	0
56	15	8	0	0	0	0
56	17	7	0	0	0	0
56	18	3	0	0	0	0
56	19	1	0	0	0	0
56	1A	1022	0	0	0	0
56	1B	29	0	0	0	0
56	1D	16	0	0	0	0
56	1E	7	0	0	0	0
56	1F	21	0	0	0	0
56	1G	4	0	0	0	0
56	1H	2	0	0	0	0
56	1N	4	0	0	0	0
56	1O	1	0	0	0	0
56	1P	5	0	0	0	0
56	1Q	4	0	0	0	0
56	1R	5	0	0	0	0
56	1S	1	0	0	0	0
56	1T	4	0	0	0	0
56	1U	7	0	0	0	0
56	1V	6	0	0	0	0
56	1W	4	0	0	0	0
56	1Z	1	0	0	0	0
56	1a	275	0	0	0	0
56	1b	1	0	0	0	0
56	1d	5	0	0	0	0
56	1e	2	0	0	0	0
56	1f	1	0	0	0	0
56	1g	2	0	0	0	0
56	1h	1	0	0	0	0
56	1i	1	0	0	0	0
56	1k	1	0	0	0	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
56	1l	3	0	0	0	0
56	1m	2	0	0	0	0
56	1n	3	0	0	0	0
56	1o	3	0	0	0	0
56	1p	1	0	0	0	0
56	1r	1	0	0	0	0
56	1t	1	0	0	0	0
56	1x	2	0	0	0	0
56	1y	3	0	0	0	0
56	20	4	0	0	0	0
56	21	2	0	0	0	0
56	25	4	0	0	0	0
56	26	1	0	0	0	0
56	27	1	0	0	0	0
56	28	2	0	0	0	0
56	2A	726	0	0	0	0
56	2B	18	0	0	0	0
56	2D	13	0	0	0	0
56	2E	7	0	0	0	0
56	2F	4	0	0	0	0
56	2G	3	0	0	0	0
56	2I	1	0	0	0	0
56	2O	2	0	0	0	0
56	2P	2	0	0	0	0
56	2Q	3	0	0	0	0
56	2R	2	0	0	0	0
56	2T	4	0	0	0	0
56	2U	2	0	0	0	0
56	2V	3	0	0	0	0
56	2W	3	0	0	0	0
56	2X	2	0	0	0	0
56	2Y	1	0	0	0	0
56	2a	187	0	0	0	0
56	2e	1	0	0	0	0
56	2f	1	0	0	0	0
56	2j	1	0	0	0	0
56	2k	1	0	0	0	0
56	2n	1	0	0	0	0
56	2p	1	0	0	0	0
56	2q	1	0	0	0	0
56	2r	1	0	0	0	0
56	2t	1	0	0	0	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
56	2x	2	0	0	0	0
57	1A	23	0	19	4	0
57	2x	23	0	18	4	0
58	1A	8	0	14	2	0
58	2A	24	0	42	1	0
59	1B	12	0	12	4	0
60	14	1	0	0	0	0
60	15	1	0	0	0	0
60	16	1	0	0	0	0
60	19	1	0	0	0	0
60	1Y	1	0	0	0	0
60	1n	1	0	0	0	0
60	24	1	0	0	0	0
60	25	1	0	0	0	0
60	26	1	0	0	0	0
60	29	1	0	0	0	0
60	2Y	1	0	0	0	0
60	2n	1	0	0	0	0
61	18	8	0	14	1	0
62	1d	8	0	0	1	0
62	2d	8	0	0	1	0
63	10	26	0	0	0	0
63	11	27	0	0	1	0
63	12	13	0	0	2	0
63	13	25	0	0	0	0
63	14	2	0	0	1	0
63	15	25	0	0	2	0
63	16	17	0	0	2	0
63	17	16	0	0	2	0
63	18	27	0	0	4	0
63	19	5	0	0	0	0
63	1A	3950	0	0	232	0
63	1B	104	0	0	10	0
63	1D	109	0	0	7	0
63	1E	77	0	0	5	0
63	1F	53	0	0	4	0
63	1G	17	0	0	1	0
63	1H	17	0	0	1	0
63	1I	4	0	0	0	0
63	1N	48	0	0	3	0
63	1O	24	0	0	2	0
63	1P	69	0	0	7	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
63	1Q	37	0	0	2	0
63	1R	31	0	0	3	0
63	1S	9	0	0	1	0
63	1T	36	0	0	3	0
63	1U	46	0	0	4	0
63	1V	40	0	0	3	0
63	1W	27	0	0	2	0
63	1X	25	0	0	3	0
63	1Y	17	0	0	2	0
63	1Z	10	0	0	0	0
63	1a	515	0	0	35	0
63	1b	1	0	0	0	0
63	1c	1	0	0	0	0
63	1d	9	0	0	0	0
63	1e	2	0	0	0	0
63	1f	2	0	0	0	0
63	1h	1	0	0	0	0
63	1j	1	0	0	0	0
63	1l	4	0	0	0	0
63	1o	6	0	0	3	0
63	1p	3	0	0	0	0
63	1u	1	0	0	0	0
63	1x	2	0	0	0	0
63	1y	6	0	0	0	0
63	20	10	0	0	1	0
63	21	22	0	0	1	0
63	22	2	0	0	0	0
63	23	5	0	0	1	0
63	25	10	0	0	1	0
63	26	2	0	0	0	0
63	27	7	0	0	0	0
63	28	10	0	0	0	0
63	29	1	0	0	0	0
63	2A	2115	0	0	168	0
63	2B	46	0	0	6	0
63	2D	39	0	0	6	0
63	2E	25	0	0	4	0
63	2F	22	0	0	5	0
63	2G	4	0	0	0	0
63	2H	2	0	0	0	0
63	2I	4	0	0	1	0
63	2N	5	0	0	1	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
63	2O	19	0	0	4	0
63	2P	25	0	0	5	0
63	2Q	16	0	0	0	0
63	2R	22	0	0	6	0
63	2S	4	0	0	0	0
63	2T	9	0	0	0	0
63	2U	12	0	0	1	0
63	2V	7	0	0	0	0
63	2W	18	0	0	0	0
63	2X	7	0	0	0	0
63	2Y	5	0	0	1	0
63	2Z	12	0	0	1	0
63	2a	293	0	0	21	0
63	2d	4	0	0	1	0
63	2f	3	0	0	0	0
63	2j	2	0	0	0	0
63	2l	1	0	0	0	0
63	2m	1	0	0	0	0
63	2o	4	0	0	0	0
63	2p	2	0	0	0	0
63	2q	1	0	0	0	0
63	2r	3	0	0	0	0
63	2t	2	0	0	0	0
63	2u	1	0	0	0	0
63	2x	1	0	0	0	0
All	All	297533	0	194725	6437	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 14.

The worst 5 of 6437 close contacts within the same asymmetric unit are listed below, sorted by their clash magnitude.

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:1A:1082:U:H3	1:1A:1086:A:N6	1.39	1.19
1:1A:1669:A:OP2	63:1A:4103:HOH:O	1.74	1.04
1:2A:2319:G:H22	14:2S:3:ARG:HD3	1.20	1.04
1:1A:1063:G:H1	1:1A:1075:C:N4	1.54	1.04
32:2a:1003:G:H2'	32:2a:1004:A:H4'	1.36	1.03

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%)	246 (90%)	25 (9%)	2 (1%)	18	34
3	2D	273/276 (99%)	248 (91%)	25 (9%)	0	100	100
4	1E	202/206 (98%)	186 (92%)	14 (7%)	2 (1%)	12	24
4	2E	202/206 (98%)	183 (91%)	18 (9%)	1 (0%)	24	43
5	1F	201/210 (96%)	185 (92%)	15 (8%)	1 (0%)	24	43
5	2F	201/210 (96%)	191 (95%)	7 (4%)	3 (2%)	8	15
6	1G	179/182 (98%)	149 (83%)	21 (12%)	9 (5%)	1	2
6	2G	179/182 (98%)	146 (82%)	26 (14%)	7 (4%)	2	4
7	1H	172/180 (96%)	159 (92%)	8 (5%)	5 (3%)	3	6
7	2H	171/180 (95%)	137 (80%)	25 (15%)	9 (5%)	1	2
8	1I	145/148 (98%)	114 (79%)	27 (19%)	4 (3%)	4	6
8	2I	144/148 (97%)	118 (82%)	21 (15%)	5 (4%)	3	5
9	1N	138/140 (99%)	124 (90%)	12 (9%)	2 (1%)	9	17
9	2N	138/140 (99%)	125 (91%)	12 (9%)	1 (1%)	18	34
10	1O	120/122 (98%)	108 (90%)	10 (8%)	2 (2%)	7	14
10	2O	120/122 (98%)	111 (92%)	6 (5%)	3 (2%)	4	8
11	1P	147/150 (98%)	131 (89%)	12 (8%)	4 (3%)	4	7
11	2P	147/150 (98%)	129 (88%)	18 (12%)	0	100	100
12	1Q	139/141 (99%)	128 (92%)	11 (8%)	0	100	100
12	2Q	139/141 (99%)	121 (87%)	16 (12%)	2 (1%)	9	17
13	1R	116/118 (98%)	108 (93%)	7 (6%)	1 (1%)	14	28
13	2R	116/118 (98%)	110 (95%)	4 (3%)	2 (2%)	7	14
14	1S	108/112 (96%)	98 (91%)	7 (6%)	3 (3%)	4	6
14	2S	108/112 (96%)	97 (90%)	10 (9%)	1 (1%)	14	28
15	1T	129/146 (88%)	116 (90%)	11 (8%)	2 (2%)	7	14

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
15	2T	129/146 (88%)	119 (92%)	7 (5%)	3 (2%)	5	9
16	1U	114/118 (97%)	110 (96%)	4 (4%)	0	100	100
16	2U	114/118 (97%)	108 (95%)	6 (5%)	0	100	100
17	1V	99/101 (98%)	91 (92%)	6 (6%)	2 (2%)	6	11
17	2V	99/101 (98%)	86 (87%)	11 (11%)	2 (2%)	6	11
18	1W	110/113 (97%)	105 (96%)	5 (4%)	0	100	100
18	2W	110/113 (97%)	105 (96%)	5 (4%)	0	100	100
19	1X	93/96 (97%)	86 (92%)	6 (6%)	1 (1%)	11	22
19	2X	93/96 (97%)	83 (89%)	8 (9%)	2 (2%)	5	10
20	1Y	105/110 (96%)	93 (89%)	12 (11%)	0	100	100
20	2Y	105/110 (96%)	90 (86%)	14 (13%)	1 (1%)	12	24
21	1Z	201/206 (98%)	178 (89%)	22 (11%)	1 (0%)	24	43
21	2Z	199/206 (97%)	158 (79%)	32 (16%)	9 (4%)	2	2
22	10	81/85 (95%)	69 (85%)	11 (14%)	1 (1%)	10	20
22	20	81/85 (95%)	69 (85%)	9 (11%)	3 (4%)	2	4
23	11	95/98 (97%)	90 (95%)	4 (4%)	1 (1%)	11	22
23	21	95/98 (97%)	87 (92%)	6 (6%)	2 (2%)	5	11
24	12	68/72 (94%)	67 (98%)	1 (2%)	0	100	100
24	22	68/72 (94%)	63 (93%)	5 (7%)	0	100	100
25	13	57/60 (95%)	56 (98%)	1 (2%)	0	100	100
25	23	57/60 (95%)	53 (93%)	3 (5%)	1 (2%)	6	13
26	14	67/71 (94%)	50 (75%)	13 (19%)	4 (6%)	1	1
26	24	67/71 (94%)	40 (60%)	20 (30%)	7 (10%)	0	0
27	15	57/60 (95%)	53 (93%)	4 (7%)	0	100	100
27	25	57/60 (95%)	53 (93%)	4 (7%)	0	100	100
28	16	51/54 (94%)	46 (90%)	5 (10%)	0	100	100
28	26	51/54 (94%)	44 (86%)	7 (14%)	0	100	100
29	17	46/49 (94%)	43 (94%)	3 (6%)	0	100	100
29	27	46/49 (94%)	45 (98%)	1 (2%)	0	100	100
30	18	62/65 (95%)	61 (98%)	1 (2%)	0	100	100
30	28	62/65 (95%)	58 (94%)	4 (6%)	0	100	100

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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%)	31 (89%)	4 (11%)	0	100	100
33	1b	229/256 (90%)	188 (82%)	31 (14%)	10 (4%)	2	2
33	2b	229/256 (90%)	174 (76%)	38 (17%)	17 (7%)	1	1
34	1c	204/239 (85%)	172 (84%)	30 (15%)	2 (1%)	12	24
34	2c	204/239 (85%)	158 (78%)	33 (16%)	13 (6%)	1	1
35	1d	206/209 (99%)	175 (85%)	28 (14%)	3 (2%)	8	15
35	2d	206/209 (99%)	176 (85%)	25 (12%)	5 (2%)	4	9
36	1e	146/162 (90%)	129 (88%)	14 (10%)	3 (2%)	5	11
36	2e	146/162 (90%)	128 (88%)	14 (10%)	4 (3%)	4	7
37	1f	98/101 (97%)	91 (93%)	7 (7%)	0	100	100
37	2f	98/101 (97%)	90 (92%)	5 (5%)	3 (3%)	3	6
38	1g	153/156 (98%)	135 (88%)	15 (10%)	3 (2%)	6	11
38	2g	153/156 (98%)	128 (84%)	18 (12%)	7 (5%)	2	2
39	1h	135/138 (98%)	119 (88%)	16 (12%)	0	100	100
39	2h	135/138 (98%)	115 (85%)	16 (12%)	4 (3%)	3	6
40	1i	125/128 (98%)	107 (86%)	15 (12%)	3 (2%)	4	9
40	2i	124/128 (97%)	100 (81%)	20 (16%)	4 (3%)	3	5
41	1j	95/105 (90%)	75 (79%)	12 (13%)	8 (8%)	0	0
41	2j	94/105 (90%)	74 (79%)	14 (15%)	6 (6%)	1	1
42	1k	112/129 (87%)	95 (85%)	15 (13%)	2 (2%)	6	13
42	2k	112/129 (87%)	94 (84%)	12 (11%)	6 (5%)	1	2
43	1l	119/132 (90%)	98 (82%)	20 (17%)	1 (1%)	16	30
43	2l	119/132 (90%)	100 (84%)	17 (14%)	2 (2%)	7	14
44	1m	114/126 (90%)	102 (90%)	10 (9%)	2 (2%)	6	13
44	2m	112/126 (89%)	90 (80%)	16 (14%)	6 (5%)	1	2
45	1n	58/61 (95%)	51 (88%)	5 (9%)	2 (3%)	3	5
45	2n	58/61 (95%)	52 (90%)	5 (9%)	1 (2%)	7	14
46	1o	86/89 (97%)	79 (92%)	6 (7%)	1 (1%)	10	20
46	2o	86/89 (97%)	76 (88%)	9 (10%)	1 (1%)	10	20
47	1p	80/88 (91%)	68 (85%)	11 (14%)	1 (1%)	9	18

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
47	2p	80/88 (91%)	66 (82%)	13 (16%)	1 (1%)	9	18
48	1q	97/105 (92%)	82 (84%)	12 (12%)	3 (3%)	3	6
48	2q	97/105 (92%)	88 (91%)	8 (8%)	1 (1%)	12	24
49	1r	66/88 (75%)	59 (89%)	6 (9%)	1 (2%)	8	15
49	2r	66/88 (75%)	61 (92%)	4 (6%)	1 (2%)	8	15
50	1s	81/93 (87%)	66 (82%)	12 (15%)	3 (4%)	2	4
50	2s	81/93 (87%)	66 (82%)	14 (17%)	1 (1%)	10	20
51	1t	94/106 (89%)	79 (84%)	9 (10%)	6 (6%)	1	1
51	2t	96/106 (91%)	82 (85%)	11 (12%)	3 (3%)	3	6
52	1u	21/27 (78%)	19 (90%)	1 (5%)	1 (5%)	2	2
52	2u	21/27 (78%)	18 (86%)	1 (5%)	2 (10%)	0	0
53	1y	95/113 (84%)	88 (93%)	7 (7%)	0	100	100
53	2y	94/113 (83%)	86 (92%)	4 (4%)	4 (4%)	2	3
55	1v	1/3 (33%)	1 (100%)	0	0	100	100
55	2v	1/3 (33%)	0	1 (100%)	0	100	100
All	All	11643/12360 (94%)	10192 (88%)	1193 (10%)	258 (2%)	5	10

5 of 258 Ramachandran outliers are listed below:

Mol	Chain	Res	Type
5	1F	130	ALA
6	1G	53	LEU
6	1G	54	GLU
7	1H	126	PRO
26	14	46	GLN

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	214/218 (98%)	184 (86%)	30 (14%)	3 6

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
3	2D	215/218 (99%)	191 (89%)	24 (11%)	6	11
4	1E	164/166 (99%)	144 (88%)	20 (12%)	5	8
4	2E	164/166 (99%)	146 (89%)	18 (11%)	6	11
5	1F	160/166 (96%)	138 (86%)	22 (14%)	3	6
5	2F	159/166 (96%)	140 (88%)	19 (12%)	5	8
6	1G	144/156 (92%)	113 (78%)	31 (22%)	1	1
6	2G	142/156 (91%)	107 (75%)	35 (25%)	1	1
7	1H	144/148 (97%)	128 (89%)	16 (11%)	6	11
7	2H	143/148 (97%)	115 (80%)	28 (20%)	1	2
8	1I	111/124 (90%)	83 (75%)	28 (25%)	0	1
8	2I	108/124 (87%)	87 (81%)	21 (19%)	1	2
9	1N	119/119 (100%)	103 (87%)	16 (13%)	4	7
9	2N	118/119 (99%)	108 (92%)	10 (8%)	10	18
10	1O	100/100 (100%)	87 (87%)	13 (13%)	4	7
10	2O	100/100 (100%)	85 (85%)	15 (15%)	3	5
11	1P	115/116 (99%)	104 (90%)	11 (10%)	8	15
11	2P	115/116 (99%)	102 (89%)	13 (11%)	5	11
12	1Q	111/111 (100%)	100 (90%)	11 (10%)	7	15
12	2Q	111/111 (100%)	100 (90%)	11 (10%)	7	15
13	1R	101/101 (100%)	86 (85%)	15 (15%)	3	5
13	2R	101/101 (100%)	88 (87%)	13 (13%)	4	7
14	1S	87/88 (99%)	72 (83%)	15 (17%)	2	3
14	2S	85/88 (97%)	68 (80%)	17 (20%)	1	2
15	1T	115/127 (91%)	104 (90%)	11 (10%)	8	15
15	2T	113/127 (89%)	102 (90%)	11 (10%)	8	15
16	1U	93/94 (99%)	85 (91%)	8 (9%)	10	18
16	2U	93/94 (99%)	88 (95%)	5 (5%)	20	38
17	1V	81/82 (99%)	69 (85%)	12 (15%)	3	5
17	2V	80/82 (98%)	68 (85%)	12 (15%)	3	5
18	1W	90/92 (98%)	75 (83%)	15 (17%)	2	3
18	2W	90/92 (98%)	78 (87%)	12 (13%)	4	7

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
19	1X	77/78 (99%)	70 (91%)	7 (9%)	9	17
19	2X	77/78 (99%)	70 (91%)	7 (9%)	9	17
20	1Y	86/91 (94%)	68 (79%)	18 (21%)	1	2
20	2Y	86/91 (94%)	70 (81%)	16 (19%)	1	3
21	1Z	169/179 (94%)	144 (85%)	25 (15%)	3	5
21	2Z	165/179 (92%)	136 (82%)	29 (18%)	2	3
22	10	65/67 (97%)	57 (88%)	8 (12%)	4	8
22	20	64/67 (96%)	61 (95%)	3 (5%)	23	45
23	11	79/83 (95%)	73 (92%)	6 (8%)	12	23
23	21	81/83 (98%)	69 (85%)	12 (15%)	3	5
24	12	65/67 (97%)	56 (86%)	9 (14%)	3	6
24	22	66/67 (98%)	51 (77%)	15 (23%)	1	1
25	13	51/52 (98%)	43 (84%)	8 (16%)	2	4
25	23	50/52 (96%)	42 (84%)	8 (16%)	2	4
26	14	58/63 (92%)	48 (83%)	10 (17%)	2	3
26	24	54/63 (86%)	43 (80%)	11 (20%)	1	2
27	15	51/52 (98%)	44 (86%)	7 (14%)	3	6
27	25	50/52 (96%)	43 (86%)	7 (14%)	3	6
28	16	51/52 (98%)	46 (90%)	5 (10%)	7	15
28	26	50/52 (96%)	44 (88%)	6 (12%)	5	8
29	17	41/42 (98%)	37 (90%)	4 (10%)	7	15
29	27	41/42 (98%)	36 (88%)	5 (12%)	5	8
30	18	54/55 (98%)	50 (93%)	4 (7%)	13	24
30	28	54/55 (98%)	52 (96%)	2 (4%)	30	54
31	19	34/34 (100%)	30 (88%)	4 (12%)	5	9
31	29	34/34 (100%)	26 (76%)	8 (24%)	1	1
33	1b	191/220 (87%)	155 (81%)	36 (19%)	1	3
33	2b	187/220 (85%)	155 (83%)	32 (17%)	2	3
34	1c	144/188 (77%)	124 (86%)	20 (14%)	3	6
34	2c	140/188 (74%)	113 (81%)	27 (19%)	1	2
35	1d	171/181 (94%)	138 (81%)	33 (19%)	1	2

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
35	2d	172/181 (95%)	145 (84%)	27 (16%)	2	4
36	1e	114/123 (93%)	96 (84%)	18 (16%)	2	4
36	2e	114/123 (93%)	98 (86%)	16 (14%)	3	6
37	1f	85/90 (94%)	76 (89%)	9 (11%)	6	13
37	2f	85/90 (94%)	70 (82%)	15 (18%)	2	3
38	1g	120/127 (94%)	110 (92%)	10 (8%)	10	19
38	2g	119/127 (94%)	96 (81%)	23 (19%)	1	2
39	1h	116/119 (98%)	102 (88%)	14 (12%)	5	8
39	2h	114/119 (96%)	98 (86%)	16 (14%)	3	6
40	1i	91/99 (92%)	74 (81%)	17 (19%)	1	3
40	2i	88/99 (89%)	72 (82%)	16 (18%)	2	3
41	1j	68/92 (74%)	55 (81%)	13 (19%)	1	2
41	2j	68/92 (74%)	54 (79%)	14 (21%)	1	2
42	1k	83/99 (84%)	77 (93%)	6 (7%)	13	25
42	2k	83/99 (84%)	70 (84%)	13 (16%)	2	4
43	1l	96/108 (89%)	87 (91%)	9 (9%)	8	16
43	2l	96/108 (89%)	81 (84%)	15 (16%)	2	4
44	1m	90/101 (89%)	77 (86%)	13 (14%)	3	5
44	2m	87/101 (86%)	76 (87%)	11 (13%)	4	8
45	1n	49/50 (98%)	43 (88%)	6 (12%)	5	8
45	2n	49/50 (98%)	40 (82%)	9 (18%)	1	3
46	1o	78/80 (98%)	72 (92%)	6 (8%)	12	22
46	2o	78/80 (98%)	67 (86%)	11 (14%)	3	6
47	1p	69/74 (93%)	52 (75%)	17 (25%)	1	1
47	2p	68/74 (92%)	56 (82%)	12 (18%)	2	3
48	1q	94/97 (97%)	78 (83%)	16 (17%)	2	3
48	2q	94/97 (97%)	80 (85%)	14 (15%)	3	5
49	1r	59/77 (77%)	50 (85%)	9 (15%)	3	4
49	2r	59/77 (77%)	51 (86%)	8 (14%)	3	6
50	1s	68/80 (85%)	59 (87%)	9 (13%)	4	7
50	2s	67/80 (84%)	55 (82%)	12 (18%)	2	3

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
51	1t	71/82 (87%)	59 (83%)	12 (17%)	2	3
51	2t	70/82 (85%)	56 (80%)	14 (20%)	1	2
52	1u	18/22 (82%)	15 (83%)	3 (17%)	2	3
52	2u	18/22 (82%)	16 (89%)	2 (11%)	6	11
53	1y	82/98 (84%)	70 (85%)	12 (15%)	3	5
53	2y	79/98 (81%)	58 (73%)	21 (27%)	0	1
55	1v	3/3 (100%)	1 (33%)	2 (67%)	0	0
55	2v	3/3 (100%)	1 (33%)	2 (67%)	0	0
All	All	9537/10266 (93%)	8135 (85%)	1402 (15%)	3	5

5 of 1402 residues with a non-rotameric sidechain are listed below:

Mol	Chain	Res	Type
17	2V	72	VAL
35	2d	135	LEU
20	2Y	13	VAL
17	2V	70	ILE
26	24	62	ARG

Sometimes sidechains can be flipped to improve hydrogen bonding and reduce clashes. 5 of 162 such sidechains are listed below:

Mol	Chain	Res	Type
25	23	32	GLN
40	2i	38	GLN
28	26	20	ASN
35	2d	116	GLN
45	2n	49	HIS

5.3.3 RNA ⓘ

Mol	Chain	Analysed	Backbone Outliers	Pucker Outliers
1	1A	2865/2915 (98%)	535 (18%)	42 (1%)
1	2A	2858/2915 (98%)	575 (20%)	39 (1%)
2	1B	119/121 (98%)	19 (15%)	0
2	2B	119/121 (98%)	27 (22%)	0
32	1a	1497/1521 (98%)	306 (20%)	0
32	2a	1501/1521 (98%)	325 (21%)	0

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Mol	Chain	Analysed	Backbone Outliers	Pucker Outliers
54	1x	1/4 (25%)	0	0
54	2x	1/4 (25%)	0	0
All	All	8961/9122 (98%)	1787 (19%)	81 (0%)

5 of 1787 RNA backbone outliers are listed below:

Mol	Chain	Res	Type
1	1A	12	U
1	1A	14	A
1	1A	15	G
1	1A	34	C
1	1A	35	G

5 of 81 RNA pucker outliers are listed below:

Mol	Chain	Res	Type
1	2A	1053	C
1	2A	1992	G
1	2A	1065	U
1	2A	1332	G
1	2A	2288	A

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

50 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	$\# Z > 2$
32	PSU	1a	516	56,32	18,21,22	1.40	2 (11%)	21,30,33	1.84	5 (23%)
1	OMC	2A	1920	1	19,22,23	0.83	0	25,31,34	1.32	4 (16%)
1	PSU	1A	2605	1	18,21,22	1.37	3 (16%)	21,30,33	1.78	3 (14%)
32	MA6	2a	1518	32	23,26,27	0.42	0	33,38,41	1.92	9 (27%)
32	2MG	1a	1207	32	23,26,27	1.24	3 (13%)	33,38,41	2.47	11 (33%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
32	4OC	1a	1402	32	20,23,24	0.75	1 (5%)	25,32,35	1.06	2 (8%)
1	OMC	1A	1920	1	19,22,23	0.87	1 (5%)	25,31,34	0.98	1 (4%)
32	M2G	2a	966	56,32	24,27,28	1.42	2 (8%)	33,40,43	1.75	5 (15%)
1	PSU	1A	1917	1	18,21,22	1.35	2 (11%)	21,30,33	2.16	5 (23%)
1	PSU	2A	1917	1	18,21,22	1.37	3 (16%)	21,30,33	2.00	3 (14%)
1	2MA	1A	2503	56,1	22,25,26	1.51	4 (18%)	32,37,40	2.68	8 (25%)
1	5MC	2A	1942	1	19,22,23	1.55	2 (10%)	26,32,35	1.75	7 (26%)
32	M2G	1a	966	32	24,27,28	1.33	3 (12%)	33,40,43	1.99	7 (21%)
1	OMG	2A	2251	56,54,1	23,26,27	1.22	3 (13%)	32,38,41	1.98	5 (15%)
1	5MC	2A	1962	56,1	19,22,23	1.59	3 (15%)	26,32,35	1.26	2 (7%)
32	UR3	2a	1498	32	19,22,23	1.05	2 (10%)	26,32,35	1.58	3 (11%)
32	5MC	1a	1407	32	19,22,23	2.02	2 (10%)	26,32,35	1.51	5 (19%)
1	5MC	1A	1942	56,1	19,22,23	1.83	2 (10%)	26,32,35	1.61	6 (23%)
1	PSU	2A	2605	1	18,21,22	1.57	3 (16%)	21,30,33	2.00	4 (19%)
32	2MG	2a	1207	32	23,26,27	1.23	4 (17%)	33,38,41	1.99	8 (24%)
32	G7M	1a	527	56,32	23,26,27	1.64	3 (13%)	34,39,42	1.76	4 (11%)
32	5MC	2a	1404	32	19,22,23	2.11	2 (10%)	26,32,35	1.42	5 (19%)
32	MA6	1a	1518	32	23,26,27	0.39	0	33,38,41	1.74	8 (24%)
1	PSU	2A	1911	1	18,21,22	1.44	2 (11%)	21,30,33	2.11	4 (19%)
43	0TD	1l	92	43	8,9,10	4.60	3 (37%)	6,11,13	1.90	3 (50%)
32	5MC	1a	967	32	19,22,23	1.58	3 (15%)	26,32,35	1.24	3 (11%)
1	5MU	1A	1915	1	19,22,23	1.54	4 (21%)	27,32,35	2.50	9 (33%)
1	5MU	1A	1939	56,1	19,22,23	1.46	5 (26%)	27,32,35	2.15	8 (29%)
32	5MC	2a	967	32	19,22,23	1.53	2 (10%)	26,32,35	1.00	1 (3%)
1	2MA	2A	2503	56,1	22,25,26	1.23	3 (13%)	32,37,40	2.58	10 (31%)
54	8AN	1x	76	56,54,55	21,24,25	1.55	4 (19%)	26,35,38	2.38	9 (34%)
1	PSU	1A	1911	1	18,21,22	1.38	1 (5%)	21,30,33	1.92	4 (19%)
1	5MU	2A	1915	1	19,22,23	1.53	4 (21%)	27,32,35	2.24	9 (33%)
32	G7M	2a	527	56,32	23,26,27	1.54	3 (13%)	34,39,42	1.56	3 (8%)
32	5MC	1a	1400	32	19,22,23	1.77	3 (15%)	26,32,35	1.31	3 (11%)
1	OMU	1A	2552	56,1	19,22,23	1.50	4 (21%)	25,31,34	1.91	7 (28%)
32	5MC	2a	1400	32	19,22,23	1.62	3 (15%)	26,32,35	1.35	3 (11%)
32	5MC	1a	1404	32	19,22,23	1.66	3 (15%)	26,32,35	1.32	3 (11%)
1	OMU	2A	2552	56,1	19,22,23	1.33	4 (21%)	25,31,34	1.71	5 (20%)
1	OMG	1A	2251	56,54,1	23,26,27	1.44	5 (21%)	32,38,41	2.03	8 (25%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
32	MA6	1a	1519	32	23,26,27	0.45	0	33,38,41	1.90	10 (30%)
1	5MU	2A	1939	56,1	19,22,23	1.55	4 (21%)	27,32,35	2.18	6 (22%)
32	4OC	2a	1402	32	20,23,24	0.74	0	25,32,35	1.07	2 (8%)
32	MA6	2a	1519	32	23,26,27	0.43	0	33,38,41	2.34	12 (36%)
32	PSU	2a	516	56,32	18,21,22	1.34	2 (11%)	21,30,33	2.19	5 (23%)
54	8AN	2x	76	56,57,54,55	21,24,25	1.37	3 (14%)	26,35,38	2.37	9 (34%)
32	UR3	1a	1498	32	19,22,23	1.07	1 (5%)	26,32,35	1.89	5 (19%)
1	5MC	1A	1962	56,1	19,22,23	1.74	3 (15%)	26,32,35	1.47	5 (19%)
32	5MC	2a	1407	32	19,22,23	1.78	3 (15%)	26,32,35	1.44	5 (19%)
43	0TD	2l	92	43	8,9,10	4.52	2 (25%)	6,11,13	2.03	1 (16%)

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
32	PSU	1a	516	56,32	-	0/7/25/26	0/2/2/2
1	OMC	2A	1920	1	-	1/9/27/28	0/2/2/2
1	PSU	1A	2605	1	-	0/7/25/26	0/2/2/2
32	MA6	2a	1518	32	-	0/11/29/30	0/3/3/3
32	2MG	1a	1207	32	-	0/9/27/28	0/3/3/3
32	4OC	1a	1402	32	-	0/9/29/30	0/2/2/2
1	OMC	1A	1920	1	-	1/9/27/28	0/2/2/2
32	M2G	2a	966	56,32	-	0/11/29/30	0/3/3/3
1	PSU	1A	1917	1	-	0/7/25/26	0/2/2/2
1	PSU	2A	1917	1	-	0/7/25/26	0/2/2/2
1	2MA	1A	2503	56,1	-	1/7/25/26	0/3/3/3
1	5MC	2A	1942	1	-	0/7/25/26	0/2/2/2
32	M2G	1a	966	32	-	0/11/29/30	0/3/3/3
1	OMG	2A	2251	56,54,1	-	0/9/27/28	0/3/3/3
1	5MC	2A	1962	56,1	-	0/7/25/26	0/2/2/2
32	UR3	2a	1498	32	-	1/7/25/26	0/2/2/2
32	5MC	1a	1407	32	-	0/7/25/26	0/2/2/2
1	5MC	1A	1942	56,1	-	0/7/25/26	0/2/2/2
1	PSU	2A	2605	1	-	0/7/25/26	0/2/2/2
32	2MG	2a	1207	32	-	2/9/27/28	0/3/3/3
32	G7M	1a	527	56,32	-	2/7/25/26	0/3/3/3
32	5MC	2a	1404	32	-	0/7/25/26	0/2/2/2
32	MA6	1a	1518	32	-	0/11/29/30	0/3/3/3

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
1	PSU	2A	1911	1	-	0/7/25/26	0/2/2/2
43	0TD	1l	92	43	-	3/7/12/14	-
32	5MC	1a	967	32	-	0/7/25/26	0/2/2/2
1	5MU	1A	1915	1	-	2/7/25/26	0/2/2/2
1	5MU	1A	1939	56,1	-	0/7/25/26	0/2/2/2
32	5MC	2a	967	32	-	0/7/25/26	0/2/2/2
1	2MA	2A	2503	56,1	-	2/7/25/26	0/3/3/3
54	8AN	1x	76	56,54,55	-	3/7/25/26	0/3/3/3
1	PSU	1A	1911	1	-	0/7/25/26	0/2/2/2
1	5MU	2A	1915	1	-	2/7/25/26	0/2/2/2
32	G7M	2a	527	56,32	-	2/7/25/26	0/3/3/3
32	5MC	1a	1400	32	-	0/7/25/26	0/2/2/2
1	OMU	1A	2552	56,1	-	0/9/27/28	0/2/2/2
32	5MC	2a	1400	32	-	6/7/25/26	0/2/2/2
32	5MC	1a	1404	32	-	0/7/25/26	0/2/2/2
1	OMU	2A	2552	56,1	-	0/9/27/28	0/2/2/2
1	OMG	1A	2251	56,54,1	-	2/9/27/28	0/3/3/3
32	MA6	1a	1519	32	-	2/11/29/30	0/3/3/3
1	5MU	2A	1939	56,1	-	0/7/25/26	0/2/2/2
32	4OC	2a	1402	32	-	2/9/29/30	0/2/2/2
32	MA6	2a	1519	32	-	2/11/29/30	0/3/3/3
32	PSU	2a	516	56,32	-	0/7/25/26	0/2/2/2
54	8AN	2x	76	56,57,54,55	-	3/7/25/26	0/3/3/3
32	UR3	1a	1498	32	-	0/7/25/26	0/2/2/2
1	5MC	1A	1962	56,1	-	0/7/25/26	0/2/2/2
32	5MC	2a	1407	32	-	0/7/25/26	0/2/2/2
43	0TD	2l	92	43	-	2/7/12/14	-

The worst 5 of 124 bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
43	2l	92	0TD	CB-SB	-12.28	1.69	1.82
43	1l	92	0TD	CB-SB	-11.67	1.70	1.82
32	2a	1404	5MC	C5-C4	8.09	1.50	1.44
32	1a	1407	5MC	C5-C4	7.69	1.49	1.44
1	1A	1942	5MC	C5-C4	6.46	1.49	1.44

The worst 5 of 272 bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	1A	2503	2MA	N6-C6-N1	8.37	128.32	117.03
1	2A	2503	2MA	C5-C4-N3	-8.03	118.72	127.18
32	1a	1498	UR3	C4-N3-C2	-7.58	118.48	124.58
1	1A	2503	2MA	C5-C4-N3	-7.54	119.24	127.18
32	1a	1207	2MG	C2-N3-C4	7.37	121.22	112.00

There are no chirality outliers.

5 of 41 torsion outliers are listed below:

Mol	Chain	Res	Type	Atoms
1	1A	1915	5MU	O4'-C1'-N1-C2
1	1A	1915	5MU	O4'-C1'-N1-C6
1	1A	1920	OMC	C1'-C2'-O2'-CM2
1	1A	2251	OMG	C1'-C2'-O2'-CM2
43	1l	92	0TD	CA-CB-SB-CSB

There are no ring outliers.

25 monomers are involved in 37 short contacts:

Mol	Chain	Res	Type	Clashes	Symm-Clashes
1	2A	1920	OMC	1	0
32	2a	1518	MA6	2	0
32	1a	1402	4OC	2	0
1	2A	1917	PSU	1	0
32	1a	1407	5MC	1	0
1	2A	2605	PSU	2	0
32	2a	1207	2MG	1	0
32	1a	1518	MA6	5	0
1	2A	1911	PSU	1	0
43	1l	92	0TD	2	0
32	1a	967	5MC	1	0
1	1A	1939	5MU	1	0
1	2A	2503	2MA	1	0
54	1x	76	8AN	3	0
1	2A	1915	5MU	1	0
32	2a	527	G7M	1	0
32	1a	1400	5MC	1	0
1	1A	2552	OMU	1	0
32	2a	1400	5MC	2	0
1	1A	2251	OMG	2	0
32	1a	1519	MA6	2	0
1	2A	1939	5MU	1	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
32	2a	1402	4OC	2	0
32	2a	1519	MA6	2	0
54	2x	76	8AN	2	0

5.5 Carbohydrates [i](#)

There are no oligosaccharides in this entry.

5.6 Ligand geometry [i](#)

Of 2517 ligands modelled in this entry, 2507 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	$\# Z > 2$
58	MPD	2A	3728	-	7,7,7	0.53	0	9,10,10	0.41	0
58	MPD	2A	3727	-	7,7,7	0.60	0	9,10,10	0.68	0
58	MPD	1A	4024	-	7,7,7	0.79	0	9,10,10	0.61	0
62	SF4	1d	306	35	0,12,12	-	-	-	-	-
61	MRD	18	104	-	7,7,7	0.69	0	9,10,10	0.57	0
57	SPS	2x	103	56,54	20,23,23	1.29	3 (15%)	23,30,30	3.09	14 (60%)
57	SPS	1A	4023	56	20,23,23	1.67	4 (20%)	23,30,30	2.46	11 (47%)
62	SF4	2d	501	35	0,12,12	-	-	-	-	-
58	MPD	2A	3729	-	7,7,7	0.27	0	9,10,10	0.32	0
59	ARG	1B	230	-	10,11,11	0.89	0	9,13,13	1.35	1 (11%)

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

Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
58	MPD	2A	3728	-	-	1/5/5/5	-
58	MPD	2A	3727	-	-	0/5/5/5	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
58	MPD	1A	4024	-	-	1/5/5/5	-
62	SF4	1d	306	35	-	-	0/6/5/5
61	MRD	18	104	-	-	4/5/5/5	-
57	SPS	2x	103	56,54	-	2/15/18/18	0/1/1/1
57	SPS	1A	4023	56	-	5/15/18/18	0/1/1/1
62	SF4	2d	501	35	-	-	0/6/5/5
58	MPD	2A	3729	-	-	3/5/5/5	-
59	ARG	1B	230	-	-	8/11/11/11	-

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

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
57	1A	4023	SPS	C14-S15	-3.65	1.69	1.80
57	1A	4023	SPS	C16-S17	-3.50	1.76	1.79
57	1A	4023	SPS	C5-N4	-3.39	1.34	1.38
57	2x	103	SPS	C14-S15	-3.03	1.71	1.80
57	1A	4023	SPS	C6-C1	2.41	1.49	1.45

The worst 5 of 26 bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
57	2x	103	SPS	O15-S15-C14	7.23	115.82	106.12
57	2x	103	SPS	C7-C5-N4	6.17	120.59	113.42
57	2x	103	SPS	C7-C5-C6	-5.49	119.36	126.47
57	1A	4023	SPS	C7-C5-N4	5.31	119.59	113.42
57	1A	4023	SPS	C7-C5-C6	-4.62	120.48	126.47

There are no chirality outliers.

5 of 24 torsion outliers are listed below:

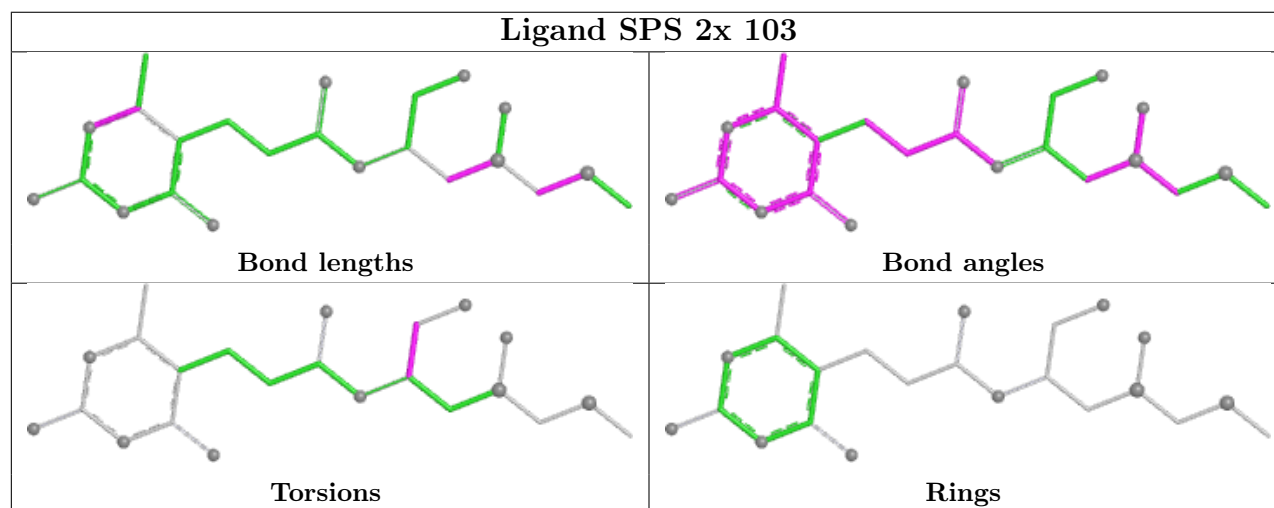
Mol	Chain	Res	Type	Atoms
57	1A	4023	SPS	N11-C12-C13-O13
57	1A	4023	SPS	C14-C12-C13-O13
57	1A	4023	SPS	C12-C14-S15-O15
57	1A	4023	SPS	C12-C14-S15-C16
57	2x	103	SPS	N11-C12-C13-O13

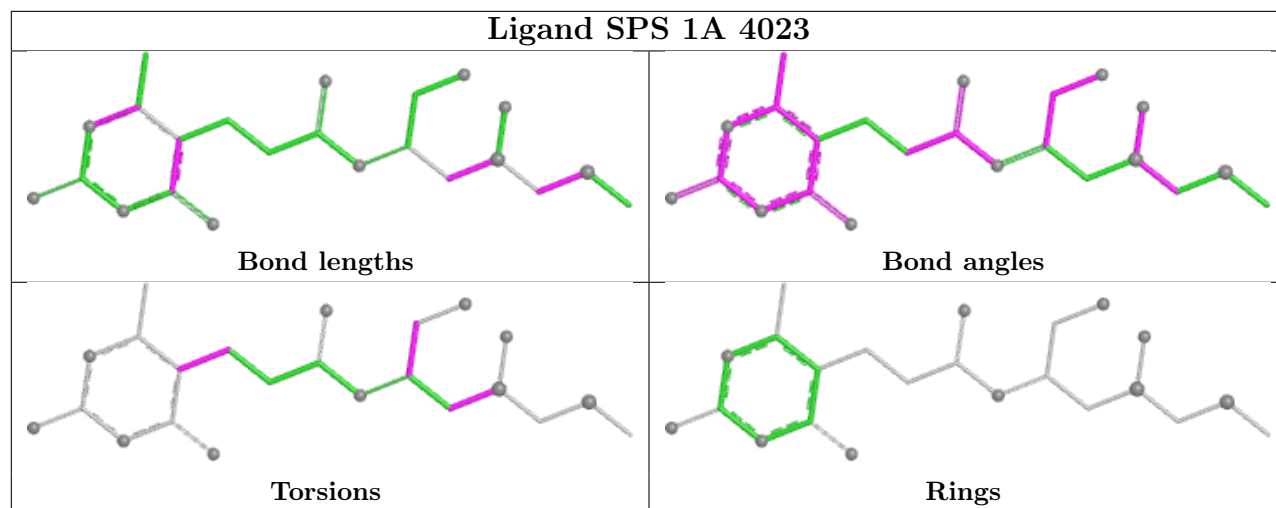
There are no ring outliers.

8 monomers are involved in 18 short contacts:

Mol	Chain	Res	Type	Clashes	Symm-Clashes
58	2A	3727	MPD	1	0
58	1A	4024	MPD	2	0
62	1d	306	SF4	1	0
61	18	104	MRD	1	0
57	2x	103	SPS	4	0
57	1A	4023	SPS	4	0
62	2d	501	SF4	1	0
59	1B	230	ARG	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.





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	2861/2915 (98%)	-0.49	89 (3%) 51 49	13, 33, 88, 102	0
1	2A	2856/2915 (97%)	-0.14	115 (4%) 42 40	24, 49, 91, 104	0
2	1B	120/121 (99%)	-0.42	0 100 100	25, 46, 61, 79	0
2	2B	120/121 (99%)	0.41	5 (4%) 40 39	50, 69, 78, 87	0
3	1D	275/276 (99%)	-0.15	3 (1%) 78 77	17, 34, 48, 68	0
3	2D	275/276 (99%)	0.03	2 (0%) 84 84	24, 41, 57, 73	0
4	1E	204/206 (99%)	-0.20	1 (0%) 87 87	16, 37, 57, 72	0
4	2E	204/206 (99%)	0.04	2 (0%) 79 79	27, 51, 66, 76	0
5	1F	203/210 (96%)	-0.08	2 (0%) 79 79	18, 38, 66, 77	0
5	2F	203/210 (96%)	0.34	5 (2%) 58 56	29, 60, 73, 83	0
6	1G	181/182 (99%)	0.37	3 (1%) 69 67	45, 62, 74, 81	0
6	2G	181/182 (99%)	0.88	13 (7%) 21 21	63, 76, 85, 91	0
7	1H	174/180 (96%)	0.09	1 (0%) 85 86	36, 50, 61, 65	0
7	2H	173/180 (96%)	1.10	16 (9%) 14 14	63, 76, 83, 87	0
8	1I	147/148 (99%)	0.61	5 (3%) 48 46	37, 67, 76, 85	0
8	2I	146/148 (98%)	0.79	7 (4%) 35 35	50, 71, 80, 83	0
9	1N	140/140 (100%)	-0.12	4 (2%) 53 52	21, 37, 56, 72	0
9	2N	140/140 (100%)	0.22	0 100 100	37, 55, 69, 80	0
10	1O	122/122 (100%)	-0.14	0 100 100	24, 37, 56, 61	0
10	2O	122/122 (100%)	0.11	0 100 100	35, 49, 63, 68	0
11	1P	149/150 (99%)	-0.05	0 100 100	18, 42, 62, 70	0
11	2P	149/150 (99%)	0.23	1 (0%) 84 84	28, 58, 75, 82	0
12	1Q	141/141 (100%)	-0.17	2 (1%) 73 73	21, 37, 49, 60	0
12	2Q	141/141 (100%)	0.34	1 (0%) 84 84	38, 55, 68, 74	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
13	1R	118/118 (100%)	-0.19	0 100 100	23, 33, 44, 56	0
13	2R	118/118 (100%)	0.05	0 100 100	32, 45, 56, 69	0
14	1S	110/112 (98%)	0.09	1 (0%) 81 81	35, 44, 60, 64	0
14	2S	110/112 (98%)	1.10	12 (10%) 10 9	54, 65, 72, 75	0
15	1T	131/146 (89%)	0.13	3 (2%) 61 59	30, 42, 62, 78	0
15	2T	131/146 (89%)	0.23	2 (1%) 72 71	43, 53, 75, 81	0
16	1U	116/118 (98%)	-0.28	0 100 100	22, 29, 47, 54	0
16	2U	116/118 (98%)	0.15	1 (0%) 81 81	32, 50, 67, 69	0
17	1V	101/101 (100%)	-0.20	1 (0%) 79 79	19, 41, 58, 66	0
17	2V	101/101 (100%)	0.39	1 (0%) 79 79	37, 62, 72, 84	0
18	1W	112/113 (99%)	-0.15	0 100 100	18, 29, 51, 78	0
18	2W	112/113 (99%)	0.15	2 (1%) 67 65	34, 43, 61, 82	0
19	1X	95/96 (98%)	-0.23	1 (1%) 78 77	22, 33, 56, 68	0
19	2X	95/96 (98%)	0.19	1 (1%) 78 77	39, 52, 66, 73	0
20	1Y	107/110 (97%)	0.03	2 (1%) 66 64	32, 45, 61, 72	0
20	2Y	107/110 (97%)	1.02	9 (8%) 17 17	50, 64, 73, 80	0
21	1Z	203/206 (98%)	0.43	7 (3%) 48 46	38, 54, 71, 78	0
21	2Z	201/206 (97%)	0.74	8 (3%) 42 40	55, 70, 78, 84	0
22	10	83/85 (97%)	0.03	4 (4%) 35 35	26, 34, 63, 74	0
22	20	83/85 (97%)	0.84	9 (10%) 11 9	38, 55, 69, 84	0
23	11	97/98 (98%)	-0.07	2 (2%) 63 61	21, 40, 62, 72	0
23	21	97/98 (98%)	0.40	2 (2%) 63 61	32, 48, 68, 76	0
24	12	70/72 (97%)	-0.11	0 100 100	30, 44, 55, 75	0
24	22	70/72 (97%)	0.25	0 100 100	51, 62, 70, 74	0
25	13	59/60 (98%)	-0.26	1 (1%) 69 67	25, 35, 60, 73	0
25	23	59/60 (98%)	0.34	0 100 100	40, 53, 71, 74	0
26	14	69/71 (97%)	0.78	7 (10%) 12 11	54, 77, 86, 91	0
26	24	69/71 (97%)	1.12	11 (15%) 5 4	75, 84, 91, 95	0
27	15	59/60 (98%)	-0.13	0 100 100	18, 34, 52, 65	0
27	25	59/60 (98%)	-0.02	0 100 100	27, 44, 59, 71	0
28	16	53/54 (98%)	-0.36	0 100 100	27, 38, 53, 60	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
28	26	53/54 (98%)	0.18	1 (1%) 66 64	41, 52, 62, 71	0
29	17	48/49 (97%)	-0.16	1 (2%) 63 61	17, 22, 51, 57	0
29	27	48/49 (97%)	-0.08	1 (2%) 63 61	25, 35, 54, 64	0
30	18	64/65 (98%)	-0.38	0 100 100	23, 30, 40, 48	0
30	28	64/65 (98%)	-0.00	0 100 100	37, 47, 53, 59	0
31	19	37/37 (100%)	-0.14	0 100 100	29, 37, 56, 58	0
31	29	37/37 (100%)	0.60	1 (2%) 56 54	47, 58, 70, 73	0
32	1a	1488/1521 (97%)	0.19	30 (2%) 65 63	34, 65, 88, 101	0
32	2a	1492/1521 (98%)	0.31	50 (3%) 48 46	40, 69, 90, 102	0
33	1b	231/256 (90%)	0.83	20 (8%) 16 16	66, 74, 83, 88	0
33	2b	231/256 (90%)	0.98	23 (9%) 12 12	64, 77, 84, 89	0
34	1c	206/239 (86%)	0.57	8 (3%) 43 40	53, 69, 79, 84	0
34	2c	206/239 (86%)	1.22	33 (16%) 5 4	65, 76, 83, 87	0
35	1d	208/209 (99%)	0.62	12 (5%) 29 29	53, 67, 77, 82	0
35	2d	208/209 (99%)	0.76	15 (7%) 21 21	55, 67, 74, 80	0
36	1e	148/162 (91%)	0.39	4 (2%) 56 54	50, 63, 70, 76	0
36	2e	148/162 (91%)	0.45	2 (1%) 73 73	53, 65, 74, 82	0
37	1f	100/101 (99%)	0.49	1 (1%) 79 79	48, 62, 71, 76	0
37	2f	100/101 (99%)	0.41	0 100 100	55, 66, 73, 76	0
38	1g	155/156 (99%)	0.59	6 (3%) 43 40	57, 67, 76, 80	0
38	2g	155/156 (99%)	1.08	13 (8%) 17 17	61, 75, 82, 87	0
39	1h	137/138 (99%)	0.45	2 (1%) 72 71	53, 65, 72, 75	0
39	2h	137/138 (99%)	0.42	4 (2%) 53 52	60, 66, 72, 77	0
40	1i	127/128 (99%)	1.17	22 (17%) 4 3	59, 72, 80, 84	0
40	2i	126/128 (98%)	1.66	40 (31%) 1 1	68, 79, 85, 88	0
41	1j	97/105 (92%)	0.79	8 (8%) 17 18	56, 74, 84, 85	0
41	2j	96/105 (91%)	1.50	25 (26%) 1 1	67, 79, 84, 91	0
42	1k	114/129 (88%)	0.21	1 (0%) 81 81	41, 59, 70, 74	0
42	2k	114/129 (88%)	0.75	4 (3%) 47 44	54, 68, 77, 82	0
43	1l	121/132 (91%)	0.32	3 (2%) 58 56	42, 56, 65, 70	0
43	2l	121/132 (91%)	0.45	5 (4%) 41 39	47, 60, 67, 72	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
44	1m	116/126 (92%)	1.06	16 (13%) 6 5	58, 71, 79, 86	0
44	2m	114/126 (90%)	1.14	15 (13%) 7 6	69, 79, 83, 89	0
45	1n	60/61 (98%)	0.70	3 (5%) 34 34	55, 65, 73, 74	0
45	2n	60/61 (98%)	1.58	16 (26%) 1 1	68, 77, 83, 84	0
46	1o	88/89 (98%)	0.37	2 (2%) 61 59	47, 61, 73, 78	0
46	2o	88/89 (98%)	0.69	7 (7%) 18 18	55, 66, 75, 78	0
47	1p	82/88 (93%)	1.28	16 (19%) 3 2	60, 67, 76, 84	0
47	2p	82/88 (93%)	0.92	6 (7%) 21 21	58, 64, 72, 78	0
48	1q	99/105 (94%)	0.57	1 (1%) 79 79	48, 63, 73, 77	0
48	2q	99/105 (94%)	0.65	2 (2%) 65 63	52, 62, 73, 81	0
49	1r	68/88 (77%)	0.38	3 (4%) 39 38	52, 62, 74, 77	0
49	2r	68/88 (77%)	0.27	0 100 100	57, 65, 74, 76	0
50	1s	83/93 (89%)	1.02	7 (8%) 17 17	64, 72, 78, 85	0
50	2s	83/93 (89%)	1.18	9 (10%) 11 9	57, 79, 85, 88	0
51	1t	96/106 (90%)	1.06	10 (10%) 11 11	55, 66, 77, 82	0
51	2t	98/106 (92%)	0.71	6 (6%) 27 27	52, 63, 74, 76	0
52	1u	23/27 (85%)	1.14	2 (8%) 16 16	63, 69, 72, 77	0
52	2u	23/27 (85%)	1.64	7 (30%) 1 1	70, 73, 78, 78	0
53	1y	97/113 (85%)	0.57	4 (4%) 41 39	47, 61, 71, 76	0
53	2y	96/113 (84%)	1.34	24 (25%) 2 1	64, 75, 82, 84	0
54	1x	3/4 (75%)	0.53	1 (33%) 1 0	30, 30, 31, 59	0
54	2x	3/4 (75%)	0.70	1 (33%) 1 0	40, 40, 43, 65	0
55	1v	3/3 (100%)	0.63	0 100 100	39, 39, 41, 44	0
55	2v	3/3 (100%)	0.52	0 100 100	45, 45, 55, 57	0
All	All	20790/21482 (96%)	0.20	857 (4%) 41 39	13, 58, 83, 104	0

The worst 5 of 857 RSRZ outliers are listed below:

Mol	Chain	Res	Type	RSRZ
22	20	7	LEU	7.5
38	2g	82	GLY	6.6
23	21	2	SER	5.9
22	10	7	LEU	5.9
33	1b	214	ILE	5.7

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
1	5MU	2A	1915	21/22	0.78	0.11	69,76,86,94	0
32	M2G	2a	966	25/26	0.86	0.16	59,66,77,82	0
32	2MG	2a	1207	24/25	0.86	0.13	75,82,88,93	0
43	0TD	2l	92	10/11	0.87	0.11	55,57,61,84	0
1	5MU	1A	1915	21/22	0.88	0.12	69,75,79,82	0
1	PSU	1A	1917	20/21	0.88	0.11	64,68,77,78	0
1	PSU	2A	1917	20/21	0.91	0.09	64,72,78,78	0
32	5MC	2a	967	21/22	0.91	0.15	63,66,74,80	0
1	PSU	2A	1911	20/21	0.92	0.07	64,69,73,81	0
1	PSU	1A	1911	20/21	0.92	0.10	54,62,68,69	0
43	0TD	1l	92	10/11	0.92	0.13	51,55,58,60	0
32	PSU	2a	516	20/21	0.92	0.09	65,72,75,77	0
32	PSU	1a	516	20/21	0.93	0.10	61,66,71,71	0
32	2MG	1a	1207	24/25	0.94	0.10	66,69,72,75	0
32	5MC	2a	1407	21/22	0.94	0.10	49,60,64,69	0
32	UR3	2a	1498	21/22	0.94	0.10	52,57,63,63	0
32	M2G	1a	966	25/26	0.94	0.10	55,59,62,68	0
32	G7M	2a	527	24/25	0.95	0.09	48,60,65,69	0
32	G7M	1a	527	24/25	0.95	0.09	44,51,58,60	0
32	5MC	1a	1400	21/22	0.95	0.10	40,51,57,65	0
32	MA6	1a	1518	24/25	0.95	0.11	42,47,54,60	0
32	5MC	2a	1400	21/22	0.95	0.11	60,67,72,78	0
32	5MC	2a	1404	21/22	0.95	0.09	46,59,63,64	0
1	OMC	2A	1920	21/22	0.95	0.07	56,63,67,70	0
1	5MC	2A	1942	21/22	0.95	0.09	40,43,46,49	0
32	MA6	2a	1518	24/25	0.95	0.09	53,58,62,63	0
32	5MC	1a	967	21/22	0.95	0.10	62,68,76,84	0
1	OMC	1A	1920	21/22	0.96	0.10	41,52,57,59	0
1	5MU	2A	1939	21/22	0.96	0.08	29,36,42,43	0
32	4OC	2a	1402	22/23	0.96	0.09	51,58,66,69	0
32	MA6	1a	1519	24/25	0.96	0.10	39,46,50,50	0
1	PSU	1A	2605	20/21	0.96	0.07	22,28,33,34	0
32	4OC	1a	1402	22/23	0.96	0.08	46,52,54,61	0
32	5MC	1a	1407	21/22	0.96	0.09	44,51,55,56	0
32	MA6	2a	1519	24/25	0.96	0.10	50,59,62,64	0
32	UR3	1a	1498	21/22	0.96	0.08	42,51,56,59	0
54	8AN	1x	76	22/23	0.96	0.08	26,33,38,45	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
54	8AN	2x	76	22/23	0.96	0.09	30,37,44,53	0
1	OMU	2A	2552	21/22	0.97	0.07	28,33,34,39	0
32	5MC	1a	1404	21/22	0.97	0.07	39,43,46,51	0
1	OMU	1A	2552	21/22	0.97	0.07	24,27,31,32	0
1	5MC	1A	1942	21/22	0.97	0.07	22,28,37,40	0
1	5MC	1A	1962	21/22	0.97	0.07	26,33,38,41	0
1	5MC	2A	1962	21/22	0.97	0.07	32,40,47,51	0
1	OMG	2A	2251	24/25	0.97	0.09	24,35,38,39	0
1	2MA	2A	2503	23/24	0.97	0.07	21,27,32,34	0
1	PSU	2A	2605	20/21	0.98	0.06	31,35,39,41	0
1	OMG	1A	2251	24/25	0.98	0.07	16,23,26,27	0
1	2MA	1A	2503	23/24	0.98	0.07	13,19,21,22	0
1	5MU	1A	1939	21/22	0.98	0.07	23,28,31,34	0

6.3 Carbohydrates [i](#)

There are no oligosaccharides in this entry.

6.4 Ligands [i](#)

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

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1a	3190	1/1	0.39	0.17	91,91,91,91	0
56	MG	1a	3083	1/1	0.45	0.35	75,75,75,75	0
56	MG	1A	4018	1/1	0.54	0.43	94,94,94,94	0
56	MG	1A	3976	1/1	0.55	0.15	58,58,58,58	0
56	MG	2A	3216	1/1	0.55	0.16	68,68,68,68	0
56	MG	1a	3247	1/1	0.61	0.09	76,76,76,76	0
56	MG	1A	4019	1/1	0.61	0.16	58,58,58,58	0
56	MG	2A	3535	1/1	0.61	0.29	81,81,81,81	0
56	MG	1a	3243	1/1	0.62	0.17	56,56,56,56	0
56	MG	1A	3993	1/1	0.62	0.13	84,84,84,84	0
56	MG	1A	3601	1/1	0.63	0.16	53,53,53,53	0
56	MG	1a	3041	1/1	0.64	0.21	69,69,69,69	0
56	MG	2I	201	1/1	0.64	0.21	71,71,71,71	0
58	MPD	2A	3728	8/8	0.64	0.23	52,66,70,74	0
56	MG	1a	3137	1/1	0.65	0.13	87,87,87,87	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1a	3267	1/1	0.65	0.14	68,68,68,68	0
56	MG	1A	3722	1/1	0.67	0.20	52,52,52,52	0
56	MG	2A	3205	1/1	0.67	0.15	62,62,62,62	0
56	MG	1A	3808	1/1	0.68	0.13	28,28,28,28	0
56	MG	1a	3124	1/1	0.68	0.18	84,84,84,84	0
56	MG	2a	3058	1/1	0.68	0.41	81,81,81,81	0
56	MG	1A	3613	1/1	0.68	0.61	67,67,67,67	0
56	MG	2A	3442	1/1	0.69	0.17	71,71,71,71	0
56	MG	2a	3038	1/1	0.69	0.24	83,83,83,83	0
56	MG	1F	320	1/1	0.70	0.18	54,54,54,54	0
56	MG	2A	3062	1/1	0.70	0.16	56,56,56,56	0
56	MG	2a	3047	1/1	0.70	0.30	87,87,87,87	0
56	MG	2A	3526	1/1	0.70	0.20	60,60,60,60	0
56	MG	2a	3069	1/1	0.70	0.17	66,66,66,66	0
56	MG	1a	3234	1/1	0.70	0.16	45,45,45,45	0
56	MG	1A	3547	1/1	0.71	0.26	30,30,30,30	0
56	MG	2j	201	1/1	0.71	0.12	63,63,63,63	0
56	MG	2a	3065	1/1	0.71	0.21	79,79,79,79	0
56	MG	2A	3452	1/1	0.72	0.10	75,75,75,75	0
56	MG	2O	202	1/1	0.72	0.14	74,74,74,74	0
56	MG	2a	3005	1/1	0.72	0.11	69,69,69,69	0
56	MG	2a	3140	1/1	0.72	0.23	77,77,77,77	0
56	MG	2A	3252	1/1	0.72	0.15	58,58,58,58	0
56	MG	1a	3211	1/1	0.72	0.28	82,82,82,82	0
56	MG	1a	3084	1/1	0.73	0.10	60,60,60,60	0
56	MG	2A	3131	1/1	0.73	0.27	65,65,65,65	0
56	MG	1a	3078	1/1	0.73	0.19	70,70,70,70	0
56	MG	1a	3012	1/1	0.73	0.33	82,82,82,82	0
56	MG	1A	3781	1/1	0.74	0.15	34,34,34,34	0
56	MG	2a	3170	1/1	0.74	0.19	90,90,90,90	0
56	MG	2A	3095	1/1	0.74	0.27	74,74,74,74	0
56	MG	1r	101	1/1	0.74	0.24	60,60,60,60	0
56	MG	2A	3521	1/1	0.75	0.21	50,50,50,50	0
56	MG	1A	3563	1/1	0.75	0.15	51,51,51,51	0
56	MG	1A	3752	1/1	0.75	0.15	68,68,68,68	0
56	MG	2a	3046	1/1	0.75	0.27	71,71,71,71	0
56	MG	2A	3641	1/1	0.75	0.14	68,68,68,68	0
56	MG	1l	203	1/1	0.75	0.11	72,72,72,72	0
56	MG	1A	3036	1/1	0.76	0.19	32,32,32,32	0
56	MG	1a	3177	1/1	0.76	0.22	62,62,62,62	0
56	MG	2A	3572	1/1	0.76	0.14	46,46,46,46	0
56	MG	2A	3603	1/1	0.76	0.18	39,39,39,39	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	3625	1/1	0.76	0.15	50,50,50,50	0
56	MG	2A	3081	1/1	0.76	0.12	60,60,60,60	0
56	MG	2a	3145	1/1	0.76	0.14	62,62,62,62	0
56	MG	2A	3446	1/1	0.76	0.13	59,59,59,59	0
56	MG	1a	3266	1/1	0.76	0.21	71,71,71,71	0
56	MG	1A	3685	1/1	0.76	0.15	53,53,53,53	0
56	MG	1A	3434	1/1	0.77	0.24	63,63,63,63	0
56	MG	2A	3471	1/1	0.77	0.21	74,74,74,74	0
56	MG	2a	3044	1/1	0.77	0.22	63,63,63,63	0
56	MG	2A	3509	1/1	0.77	0.12	60,60,60,60	0
56	MG	2A	3121	1/1	0.77	0.13	65,65,65,65	0
56	MG	1A	3458	1/1	0.77	0.16	58,58,58,58	0
56	MG	2A	3165	1/1	0.77	0.14	67,67,67,67	0
56	MG	1A	3985	1/1	0.77	0.24	45,45,45,45	0
56	MG	1A	3587	1/1	0.77	0.20	59,59,59,59	0
56	MG	1a	3082	1/1	0.77	0.30	66,66,66,66	0
56	MG	2A	3653	1/1	0.77	0.28	76,76,76,76	0
56	MG	1A	3760	1/1	0.77	0.17	45,45,45,45	0
56	MG	1A	3679	1/1	0.77	0.12	80,80,80,80	0
56	MG	2A	3282	1/1	0.78	0.12	43,43,43,43	0
56	MG	2A	3437	1/1	0.78	0.12	46,46,46,46	0
56	MG	1a	3003	1/1	0.78	0.10	69,69,69,69	0
56	MG	1A	3804	1/1	0.78	0.18	32,32,32,32	0
56	MG	2A	3055	1/1	0.78	0.19	62,62,62,62	0
56	MG	2A	3464	1/1	0.78	0.14	68,68,68,68	0
56	MG	2A	3709	1/1	0.78	0.09	80,80,80,80	0
56	MG	2B	214	1/1	0.78	0.11	75,75,75,75	0
56	MG	1A	3759	1/1	0.78	0.14	64,64,64,64	0
56	MG	1a	3201	1/1	0.78	0.10	63,63,63,63	0
56	MG	1A	3864	1/1	0.78	0.17	69,69,69,69	0
56	MG	2a	3008	1/1	0.78	0.13	66,66,66,66	0
56	MG	2B	201	1/1	0.79	0.20	74,74,74,74	0
56	MG	2A	3176	1/1	0.79	0.10	38,38,38,38	0
56	MG	2a	3059	1/1	0.79	0.25	70,70,70,70	0
56	MG	1A	3650	1/1	0.79	0.19	57,57,57,57	0
56	MG	1a	3193	1/1	0.79	0.17	69,69,69,69	0
56	MG	2a	3131	1/1	0.79	0.12	57,57,57,57	0
56	MG	1a	3246	1/1	0.79	0.09	70,70,70,70	0
56	MG	1a	3165	1/1	0.79	0.16	62,62,62,62	0
56	MG	2A	3483	1/1	0.79	0.13	77,77,77,77	0
56	MG	2A	3494	1/1	0.79	0.10	81,81,81,81	0
56	MG	1N	203	1/1	0.79	0.11	60,60,60,60	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3620	1/1	0.80	0.26	46,46,46,46	0
56	MG	1A	3578	1/1	0.80	0.47	38,38,38,38	0
56	MG	1a	3007	1/1	0.80	0.11	74,74,74,74	0
56	MG	2A	3688	1/1	0.80	0.14	49,49,49,49	0
56	MG	1a	3213	1/1	0.80	0.13	64,64,64,64	0
56	MG	1A	3129	1/1	0.80	0.14	57,57,57,57	0
56	MG	1a	3030	1/1	0.80	0.58	67,67,67,67	0
56	MG	2a	3090	1/1	0.80	0.17	68,68,68,68	0
56	MG	2G	202	1/1	0.80	0.13	65,65,65,65	0
56	MG	1D	311	1/1	0.80	0.41	52,52,52,52	0
56	MG	1a	3066	1/1	0.80	0.10	59,59,59,59	0
56	MG	1A	3409	1/1	0.80	0.18	73,73,73,73	0
56	MG	1A	3827	1/1	0.80	0.09	34,34,34,34	0
56	MG	2A	3461	1/1	0.80	0.24	59,59,59,59	0
56	MG	1B	228	1/1	0.81	0.12	70,70,70,70	0
56	MG	1A	3597	1/1	0.81	0.10	38,38,38,38	0
56	MG	1a	3236	1/1	0.81	0.23	78,78,78,78	0
56	MG	1a	3158	1/1	0.81	0.14	60,60,60,60	0
56	MG	1A	3130	1/1	0.81	0.18	41,41,41,41	0
56	MG	1a	3176	1/1	0.81	0.09	76,76,76,76	0
56	MG	1A	3775	1/1	0.81	0.53	78,78,78,78	0
56	MG	2B	203	1/1	0.81	0.12	67,67,67,67	0
56	MG	1a	3187	1/1	0.81	0.25	65,65,65,65	0
56	MG	1A	4014	1/1	0.81	0.09	41,41,41,41	0
56	MG	1A	3862	1/1	0.81	0.12	33,33,33,33	0
56	MG	2A	3533	1/1	0.81	0.12	46,46,46,46	0
56	MG	2a	3161	1/1	0.81	0.12	68,68,68,68	0
56	MG	2T	203	1/1	0.81	0.19	72,72,72,72	0
56	MG	1A	3526	1/1	0.81	0.09	56,56,56,56	0
56	MG	1a	3097	1/1	0.81	0.15	69,69,69,69	0
56	MG	2A	3047	1/1	0.82	0.13	57,57,57,57	0
56	MG	2A	3547	1/1	0.82	0.10	53,53,53,53	0
56	MG	1A	3372	1/1	0.82	0.12	65,65,65,65	0
56	MG	2a	3040	1/1	0.82	0.25	55,55,55,55	0
56	MG	2A	3593	1/1	0.82	0.13	60,60,60,60	0
56	MG	2A	3441	1/1	0.82	0.10	48,48,48,48	0
56	MG	1A	3995	1/1	0.82	0.21	62,62,62,62	0
56	MG	1a	3174	1/1	0.82	0.12	68,68,68,68	0
56	MG	1A	3915	1/1	0.82	0.12	25,25,25,25	0
56	MG	1a	3244	1/1	0.82	0.17	68,68,68,68	0
56	MG	1A	3934	1/1	0.82	0.15	31,31,31,31	0
56	MG	1A	3961	1/1	0.82	0.16	67,67,67,67	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	3264	1/1	0.82	0.15	36,36,36,36	0
56	MG	2A	3190	1/1	0.82	0.18	61,61,61,61	0
56	MG	1a	3099	1/1	0.82	0.15	56,56,56,56	0
56	MG	1a	3040	1/1	0.82	0.31	74,74,74,74	0
56	MG	2a	3163	1/1	0.82	0.12	58,58,58,58	0
56	MG	2A	3238	1/1	0.82	0.19	59,59,59,59	0
56	MG	1A	3762	1/1	0.82	0.12	58,58,58,58	0
56	MG	26	101	1/1	0.82	0.39	49,49,49,49	0
56	MG	1W	204	1/1	0.83	0.13	49,49,49,49	0
56	MG	1a	3072	1/1	0.83	0.09	63,63,63,63	0
56	MG	2A	3174	1/1	0.83	0.12	59,59,59,59	0
56	MG	1f	201	1/1	0.83	0.16	54,54,54,54	0
56	MG	2A	3188	1/1	0.83	0.26	43,43,43,43	0
56	MG	1A	3271	1/1	0.83	0.18	59,59,59,59	0
56	MG	2A	3663	1/1	0.83	0.12	49,49,49,49	0
56	MG	2A	3472	1/1	0.83	0.10	64,64,64,64	0
56	MG	2A	3706	1/1	0.83	0.12	74,74,74,74	0
56	MG	2A	3481	1/1	0.83	0.14	60,60,60,60	0
56	MG	2a	3067	1/1	0.83	0.17	66,66,66,66	0
56	MG	2A	3722	1/1	0.83	0.12	52,52,52,52	0
56	MG	1A	3366	1/1	0.83	0.17	59,59,59,59	0
56	MG	2a	3093	1/1	0.83	0.21	59,59,59,59	0
56	MG	2a	3096	1/1	0.83	0.24	55,55,55,55	0
56	MG	2a	3117	1/1	0.83	0.08	68,68,68,68	0
56	MG	1A	3942	1/1	0.83	0.14	27,27,27,27	0
56	MG	2a	3139	1/1	0.83	0.14	57,57,57,57	0
56	MG	1a	3242	1/1	0.83	0.21	75,75,75,75	0
56	MG	1a	3024	1/1	0.83	0.21	56,56,56,56	0
56	MG	2A	3273	1/1	0.83	0.35	56,56,56,56	0
56	MG	1A	3787	1/1	0.83	0.17	55,55,55,55	0
56	MG	1G	201	1/1	0.83	0.08	70,70,70,70	0
56	MG	2I	102	1/1	0.83	0.14	79,79,79,79	0
56	MG	1A	3558	1/1	0.83	0.16	56,56,56,56	0
56	MG	1a	3052	1/1	0.84	0.13	45,45,45,45	0
56	MG	2a	3009	1/1	0.84	0.17	58,58,58,58	0
56	MG	2a	3024	1/1	0.84	0.15	64,64,64,64	0
56	MG	1a	3202	1/1	0.84	0.20	73,73,73,73	0
56	MG	1a	3001	1/1	0.84	0.20	69,69,69,69	0
56	MG	1A	3844	1/1	0.84	0.14	26,26,26,26	0
56	MG	2A	3470	1/1	0.84	0.12	62,62,62,62	0
56	MG	1a	3075	1/1	0.84	0.19	61,61,61,61	0
56	MG	2a	3048	1/1	0.84	0.12	47,47,47,47	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	3994	1/1	0.84	0.18	61,61,61,61	0
56	MG	2A	3692	1/1	0.84	0.35	47,47,47,47	0
56	MG	2a	3061	1/1	0.84	0.17	68,68,68,68	0
56	MG	2A	3475	1/1	0.84	0.12	46,46,46,46	0
56	MG	2A	3707	1/1	0.84	0.11	77,77,77,77	0
56	MG	1A	3846	1/1	0.84	0.21	42,42,42,42	0
56	MG	2A	3718	1/1	0.84	0.15	63,63,63,63	0
56	MG	2A	3250	1/1	0.84	0.17	45,45,45,45	0
56	MG	2A	3493	1/1	0.84	0.11	53,53,53,53	0
56	MG	2A	3075	1/1	0.84	0.10	49,49,49,49	0
56	MG	1A	3145	1/1	0.84	0.30	55,55,55,55	0
56	MG	1a	3178	1/1	0.84	0.08	81,81,81,81	0
56	MG	2A	3524	1/1	0.84	0.11	56,56,56,56	0
56	MG	2A	3283	1/1	0.84	0.25	57,57,57,57	0
56	MG	2a	3156	1/1	0.84	0.16	62,62,62,62	0
56	MG	2A	3376	1/1	0.84	0.16	71,71,71,71	0
56	MG	1A	3243	1/1	0.84	0.12	47,47,47,47	0
56	MG	1A	3024	1/1	0.84	0.31	34,34,34,34	0
56	MG	2a	3003	1/1	0.84	0.14	59,59,59,59	0
56	MG	2p	101	1/1	0.84	0.25	61,61,61,61	0
56	MG	15	3108	1/1	0.84	0.12	66,66,66,66	0
58	MPD	2A	3729	8/8	0.84	0.20	54,62,69,71	0
56	MG	1H	201	1/1	0.85	0.18	68,68,68,68	0
56	MG	1A	3178	1/1	0.85	0.11	57,57,57,57	0
56	MG	2A	3126	1/1	0.85	0.08	59,59,59,59	0
56	MG	2A	3685	1/1	0.85	0.11	50,50,50,50	0
56	MG	1A	3630	1/1	0.85	0.15	55,55,55,55	0
56	MG	1a	3263	1/1	0.85	0.17	64,64,64,64	0
56	MG	2a	3053	1/1	0.85	0.13	59,59,59,59	0
56	MG	1a	3265	1/1	0.85	0.11	69,69,69,69	0
56	MG	1A	3086	1/1	0.85	0.08	54,54,54,54	0
56	MG	1a	3155	1/1	0.85	0.09	68,68,68,68	0
56	MG	1e	3101	1/1	0.85	0.15	51,51,51,51	0
56	MG	1a	3205	1/1	0.85	0.12	74,74,74,74	0
56	MG	2A	3214	1/1	0.85	0.08	53,53,53,53	0
56	MG	2a	3082	1/1	0.85	0.30	62,62,62,62	0
56	MG	1A	3852	1/1	0.85	0.15	67,67,67,67	0
56	MG	2A	3217	1/1	0.85	0.17	72,72,72,72	0
56	MG	1p	101	1/1	0.85	0.29	68,68,68,68	0
56	MG	1A	3506	1/1	0.85	0.11	25,25,25,25	0
56	MG	2a	3119	1/1	0.85	0.27	60,60,60,60	0
56	MG	2a	3126	1/1	0.85	0.12	49,49,49,49	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1y	201	1/1	0.85	0.12	68,68,68,68	0
56	MG	1A	3288	1/1	0.85	0.20	67,67,67,67	0
56	MG	2Y	201	1/1	0.85	0.13	61,61,61,61	0
56	MG	1a	3235	1/1	0.85	0.08	59,59,59,59	0
56	MG	1A	3987	1/1	0.85	0.15	39,39,39,39	0
56	MG	2A	3308	1/1	0.85	0.17	74,74,74,74	0
56	MG	2A	3329	1/1	0.85	0.11	51,51,51,51	0
56	MG	1A	3989	1/1	0.85	0.16	60,60,60,60	0
56	MG	1A	3908	1/1	0.85	0.14	38,38,38,38	0
56	MG	2A	3091	1/1	0.85	0.10	67,67,67,67	0
56	MG	2a	3025	1/1	0.85	0.27	64,64,64,64	0
56	MG	2a	3035	1/1	0.85	0.14	75,75,75,75	0
60	ZN	14	501	1/1	0.85	0.15	129,129,129,129	0
56	MG	2A	3266	1/1	0.86	0.28	55,55,55,55	0
56	MG	1a	3254	1/1	0.86	0.07	62,62,62,62	0
56	MG	1a	3109	1/1	0.86	0.20	60,60,60,60	0
56	MG	1T	204	1/1	0.86	0.13	79,79,79,79	0
56	MG	2A	3286	1/1	0.86	0.13	42,42,42,42	0
56	MG	1A	3964	1/1	0.86	0.14	31,31,31,31	0
56	MG	1a	3142	1/1	0.86	0.08	43,43,43,43	0
56	MG	2A	3335	1/1	0.86	0.16	54,54,54,54	0
56	MG	2A	3362	1/1	0.86	0.15	44,44,44,44	0
56	MG	2A	3372	1/1	0.86	0.17	64,64,64,64	0
56	MG	1e	3100	1/1	0.86	0.13	63,63,63,63	0
56	MG	20	102	1/1	0.86	0.11	54,54,54,54	0
56	MG	2A	3421	1/1	0.86	0.14	61,61,61,61	0
56	MG	1A	3069	1/1	0.86	0.50	30,30,30,30	0
56	MG	2A	3440	1/1	0.86	0.12	70,70,70,70	0
56	MG	1A	3740	1/1	0.86	0.12	54,54,54,54	0
56	MG	1l	201	1/1	0.86	0.17	50,50,50,50	0
56	MG	1A	3986	1/1	0.86	0.12	42,42,42,42	0
56	MG	1A	3538	1/1	0.86	0.20	37,37,37,37	0
56	MG	1A	3849	1/1	0.86	0.13	56,56,56,56	0
56	MG	2a	3026	1/1	0.86	0.20	72,72,72,72	0
56	MG	1A	3635	1/1	0.86	0.36	32,32,32,32	0
56	MG	2A	3034	1/1	0.86	0.15	77,77,77,77	0
56	MG	2A	3043	1/1	0.86	0.43	75,75,75,75	0
56	MG	1a	3026	1/1	0.86	0.13	54,54,54,54	0
56	MG	1a	3179	1/1	0.86	0.18	73,73,73,73	0
56	MG	2A	3477	1/1	0.86	0.30	70,70,70,70	0
56	MG	1A	3859	1/1	0.86	0.15	37,37,37,37	0
56	MG	1a	3039	1/1	0.86	0.20	67,67,67,67	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2a	3056	1/1	0.86	0.31	70,70,70,70	0
56	MG	1A	3600	1/1	0.86	0.11	32,32,32,32	0
56	MG	1a	3196	1/1	0.86	0.21	58,58,58,58	0
56	MG	1a	3200	1/1	0.86	0.11	57,57,57,57	0
56	MG	1A	3655	1/1	0.86	0.08	36,36,36,36	0
56	MG	1A	3669	1/1	0.86	0.10	38,38,38,38	0
56	MG	2a	3068	1/1	0.86	0.20	72,72,72,72	0
56	MG	1A	3675	1/1	0.86	0.16	56,56,56,56	0
56	MG	2A	3142	1/1	0.86	0.22	40,40,40,40	0
56	MG	1a	3206	1/1	0.86	0.08	79,79,79,79	0
56	MG	1a	3071	1/1	0.86	0.21	66,66,66,66	0
56	MG	2A	3557	1/1	0.86	0.10	57,57,57,57	0
56	MG	1B	203	1/1	0.86	0.21	66,66,66,66	0
56	MG	2A	3184	1/1	0.86	0.08	39,39,39,39	0
56	MG	2A	3602	1/1	0.86	0.14	73,73,73,73	0
56	MG	1a	3225	1/1	0.86	0.19	44,44,44,44	0
56	MG	1B	210	1/1	0.86	0.11	58,58,58,58	0
56	MG	1A	3917	1/1	0.86	0.09	60,60,60,60	0
56	MG	1A	3931	1/1	0.86	0.11	52,52,52,52	0
56	MG	1A	3574	1/1	0.86	0.10	18,18,18,18	0
56	MG	1A	3684	1/1	0.86	0.07	66,66,66,66	0
56	MG	2A	3237	1/1	0.86	0.12	61,61,61,61	0
56	MG	2A	3690	1/1	0.86	0.15	51,51,51,51	0
56	MG	1A	3955	1/1	0.86	0.15	55,55,55,55	0
56	MG	2A	3699	1/1	0.86	0.14	61,61,61,61	0
56	MG	1A	3436	1/1	0.86	0.28	44,44,44,44	0
56	MG	1a	3106	1/1	0.86	0.19	42,42,42,42	0
56	MG	2A	3708	1/1	0.86	0.15	58,58,58,58	0
56	MG	1A	3717	1/1	0.87	0.15	48,48,48,48	0
56	MG	1A	3088	1/1	0.87	0.12	48,48,48,48	0
56	MG	2a	3014	1/1	0.87	0.20	59,59,59,59	0
56	MG	2a	3018	1/1	0.87	0.10	82,82,82,82	0
56	MG	2A	3549	1/1	0.87	0.10	68,68,68,68	0
56	MG	2A	3330	1/1	0.87	0.09	53,53,53,53	0
56	MG	1A	3577	1/1	0.87	0.12	67,67,67,67	0
56	MG	2A	3584	1/1	0.87	0.13	42,42,42,42	0
56	MG	2A	3342	1/1	0.87	0.19	57,57,57,57	0
56	MG	2A	3112	1/1	0.87	0.08	67,67,67,67	0
56	MG	2a	3042	1/1	0.87	0.09	69,69,69,69	0
56	MG	2A	3113	1/1	0.87	0.08	63,63,63,63	0
56	MG	2a	3045	1/1	0.87	0.25	54,54,54,54	0
56	MG	1R	205	1/1	0.87	0.12	42,42,42,42	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3377	1/1	0.87	0.25	56,56,56,56	0
56	MG	2A	3378	1/1	0.87	0.23	42,42,42,42	0
56	MG	1A	3741	1/1	0.87	0.09	70,70,70,70	0
56	MG	1A	3940	1/1	0.87	0.07	40,40,40,40	0
56	MG	1A	4000	1/1	0.87	0.14	60,60,60,60	0
56	MG	1a	3197	1/1	0.87	0.15	69,69,69,69	0
56	MG	1A	3192	1/1	0.87	0.12	54,54,54,54	0
56	MG	1A	3952	1/1	0.87	0.15	50,50,50,50	0
56	MG	2a	3066	1/1	0.87	0.10	57,57,57,57	0
56	MG	1A	3296	1/1	0.87	0.08	39,39,39,39	0
56	MG	1h	3300	1/1	0.87	0.20	62,62,62,62	0
56	MG	1i	201	1/1	0.87	0.16	63,63,63,63	0
56	MG	2A	3196	1/1	0.87	0.24	57,57,57,57	0
56	MG	1A	3323	1/1	0.87	0.12	62,62,62,62	0
56	MG	1B	206	1/1	0.87	0.11	50,50,50,50	0
56	MG	1A	3202	1/1	0.87	0.12	46,46,46,46	0
56	MG	2a	3104	1/1	0.87	0.25	41,41,41,41	0
56	MG	1B	214	1/1	0.87	0.13	53,53,53,53	0
56	MG	1a	3223	1/1	0.87	0.16	58,58,58,58	0
56	MG	2D	313	1/1	0.87	0.17	58,58,58,58	0
56	MG	2E	301	1/1	0.87	0.19	58,58,58,58	0
56	MG	2a	3137	1/1	0.87	0.20	69,69,69,69	0
56	MG	2F	303	1/1	0.87	0.15	58,58,58,58	0
56	MG	2A	3001	1/1	0.87	0.33	52,52,52,52	0
56	MG	2a	3143	1/1	0.87	0.10	46,46,46,46	0
56	MG	2A	3486	1/1	0.87	0.20	58,58,58,58	0
56	MG	1B	226	1/1	0.87	0.09	62,62,62,62	0
56	MG	1A	3137	1/1	0.87	0.17	44,44,44,44	0
56	MG	2W	201	1/1	0.87	0.18	39,39,39,39	0
56	MG	2A	3506	1/1	0.87	0.16	56,56,56,56	0
56	MG	1a	3161	1/1	0.87	0.19	67,67,67,67	0
56	MG	1A	3261	1/1	0.87	0.07	42,42,42,42	0
56	MG	2q	201	1/1	0.87	0.09	54,54,54,54	0
58	MPD	1A	4024	8/8	0.87	0.16	46,49,55,56	0
56	MG	1D	314	1/1	0.87	0.09	55,55,55,55	0
56	MG	1A	3026	1/1	0.87	0.14	71,71,71,71	0
56	MG	2A	3080	1/1	0.87	0.10	43,43,43,43	0
56	MG	1a	3156	1/1	0.88	0.08	57,57,57,57	0
56	MG	1A	3794	1/1	0.88	0.20	45,45,45,45	0
56	MG	1a	3159	1/1	0.88	0.09	72,72,72,72	0
56	MG	1A	3317	1/1	0.88	0.23	49,49,49,49	0
56	MG	1n	101	1/1	0.88	0.17	63,63,63,63	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1a	3162	1/1	0.88	0.10	50,50,50,50	0
56	MG	10	106	1/1	0.88	0.14	58,58,58,58	0
56	MG	2A	3392	1/1	0.88	0.07	48,48,48,48	0
56	MG	1A	3161	1/1	0.88	0.24	39,39,39,39	0
56	MG	2W	203	1/1	0.88	0.08	55,55,55,55	0
56	MG	1a	3175	1/1	0.88	0.11	65,65,65,65	0
56	MG	1A	3812	1/1	0.88	0.11	41,41,41,41	0
56	MG	1A	3980	1/1	0.88	0.11	68,68,68,68	0
56	MG	1A	3826	1/1	0.88	0.09	52,52,52,52	0
56	MG	1A	3349	1/1	0.88	0.15	51,51,51,51	0
56	MG	2A	3060	1/1	0.88	0.07	35,35,35,35	0
56	MG	2A	3460	1/1	0.88	0.13	63,63,63,63	0
56	MG	1a	3180	1/1	0.88	0.20	67,67,67,67	0
56	MG	2A	3462	1/1	0.88	0.20	46,46,46,46	0
56	MG	2a	3017	1/1	0.88	0.08	48,48,48,48	0
56	MG	2A	3064	1/1	0.88	0.15	49,49,49,49	0
56	MG	2A	3466	1/1	0.88	0.14	32,32,32,32	0
56	MG	1a	3183	1/1	0.88	0.24	53,53,53,53	0
56	MG	2A	3079	1/1	0.88	0.15	39,39,39,39	0
56	MG	2a	3034	1/1	0.88	0.14	64,64,64,64	0
56	MG	1a	3184	1/1	0.88	0.13	60,60,60,60	0
56	MG	1a	3014	1/1	0.88	0.23	46,46,46,46	0
56	MG	1a	3018	1/1	0.88	0.12	65,65,65,65	0
56	MG	2a	3041	1/1	0.88	0.18	55,55,55,55	0
56	MG	1A	3696	1/1	0.88	0.25	81,81,81,81	0
56	MG	2A	3096	1/1	0.88	0.37	67,67,67,67	0
56	MG	1A	3845	1/1	0.88	0.22	44,44,44,44	0
56	MG	2A	3487	1/1	0.88	0.18	45,45,45,45	0
56	MG	1A	3473	1/1	0.88	0.09	24,24,24,24	0
56	MG	1A	3720	1/1	0.88	0.12	30,30,30,30	0
56	MG	2A	3504	1/1	0.88	0.18	49,49,49,49	0
56	MG	1A	3001	1/1	0.88	0.11	28,28,28,28	0
56	MG	2a	3057	1/1	0.88	0.18	49,49,49,49	0
56	MG	1A	3639	1/1	0.88	0.06	64,64,64,64	0
56	MG	1a	3043	1/1	0.88	0.13	57,57,57,57	0
56	MG	1A	3640	1/1	0.88	0.12	56,56,56,56	0
56	MG	2a	3064	1/1	0.88	0.15	80,80,80,80	0
56	MG	1a	3208	1/1	0.88	0.17	52,52,52,52	0
56	MG	1A	3748	1/1	0.88	0.16	62,62,62,62	0
56	MG	2A	3183	1/1	0.88	0.11	63,63,63,63	0
56	MG	1a	3212	1/1	0.88	0.11	69,69,69,69	0
56	MG	1A	3867	1/1	0.88	0.10	66,66,66,66	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2a	3071	1/1	0.88	0.08	71,71,71,71	0
56	MG	2a	3076	1/1	0.88	0.88	68,68,68,68	0
56	MG	2A	3554	1/1	0.88	0.09	31,31,31,31	0
56	MG	1A	3883	1/1	0.88	0.17	50,50,50,50	0
56	MG	2A	3195	1/1	0.88	0.19	61,61,61,61	0
56	MG	1A	3884	1/1	0.88	0.13	50,50,50,50	0
56	MG	2A	3197	1/1	0.88	0.20	45,45,45,45	0
56	MG	1a	3076	1/1	0.88	0.13	58,58,58,58	0
56	MG	2A	3211	1/1	0.88	0.11	46,46,46,46	0
56	MG	2a	3123	1/1	0.88	0.16	65,65,65,65	0
56	MG	1A	3899	1/1	0.88	0.09	15,15,15,15	0
56	MG	2A	3626	1/1	0.88	0.12	47,47,47,47	0
56	MG	1A	3906	1/1	0.88	0.23	53,53,53,53	0
56	MG	1A	3203	1/1	0.88	0.17	55,55,55,55	0
56	MG	1A	3593	1/1	0.88	0.09	38,38,38,38	0
56	MG	1A	3658	1/1	0.88	0.10	19,19,19,19	0
56	MG	1A	3406	1/1	0.88	0.09	26,26,26,26	0
56	MG	1a	3101	1/1	0.88	0.27	56,56,56,56	0
56	MG	2A	3264	1/1	0.88	0.23	56,56,56,56	0
56	MG	1A	3670	1/1	0.88	0.12	49,49,49,49	0
56	MG	1a	3108	1/1	0.88	0.22	61,61,61,61	0
56	MG	1A	3780	1/1	0.88	0.12	45,45,45,45	0
56	MG	1A	3298	1/1	0.88	0.18	44,44,44,44	0
56	MG	1N	202	1/1	0.88	0.16	34,34,34,34	0
56	MG	2A	3307	1/1	0.88	0.14	53,53,53,53	0
56	MG	1A	3945	1/1	0.88	0.11	23,23,23,23	0
56	MG	1a	3143	1/1	0.88	0.12	46,46,46,46	0
56	MG	1A	3676	1/1	0.88	0.23	65,65,65,65	0
56	MG	1A	3714	1/1	0.89	0.17	31,31,31,31	0
56	MG	1A	3443	1/1	0.89	0.13	53,53,53,53	0
56	MG	1a	3250	1/1	0.89	0.09	64,64,64,64	0
56	MG	1A	3718	1/1	0.89	0.10	43,43,43,43	0
56	MG	2A	3160	1/1	0.89	0.12	63,63,63,63	0
56	MG	2U	202	1/1	0.89	0.08	40,40,40,40	0
56	MG	2A	3459	1/1	0.89	0.17	68,68,68,68	0
56	MG	1A	3927	1/1	0.89	0.18	39,39,39,39	0
56	MG	2A	3166	1/1	0.89	0.30	79,79,79,79	0
56	MG	1a	3264	1/1	0.89	0.11	49,49,49,49	0
56	MG	20	103	1/1	0.89	0.31	46,46,46,46	0
56	MG	1A	3274	1/1	0.89	0.12	63,63,63,63	0
56	MG	2A	3180	1/1	0.89	0.12	62,62,62,62	0
56	MG	1B	215	1/1	0.89	0.09	39,39,39,39	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	3579	1/1	0.89	0.18	49,49,49,49	0
56	MG	2A	3187	1/1	0.89	0.18	61,61,61,61	0
56	MG	1a	3272	1/1	0.89	0.10	61,61,61,61	0
56	MG	1a	3059	1/1	0.89	0.08	36,36,36,36	0
56	MG	2A	3192	1/1	0.89	0.23	46,46,46,46	0
56	MG	2A	3193	1/1	0.89	0.20	46,46,46,46	0
56	MG	1A	3731	1/1	0.89	0.09	44,44,44,44	0
56	MG	1A	3838	1/1	0.89	0.16	41,41,41,41	0
56	MG	1A	3843	1/1	0.89	0.12	42,42,42,42	0
56	MG	1a	3073	1/1	0.89	0.18	57,57,57,57	0
56	MG	2A	3499	1/1	0.89	0.10	62,62,62,62	0
56	MG	2a	3037	1/1	0.89	0.17	65,65,65,65	0
56	MG	1A	3584	1/1	0.89	0.10	38,38,38,38	0
56	MG	1A	3030	1/1	0.89	0.07	25,25,25,25	0
56	MG	1A	3295	1/1	0.89	0.09	30,30,30,30	0
56	MG	2A	3510	1/1	0.89	0.06	55,55,55,55	0
56	MG	2A	3511	1/1	0.89	0.19	60,60,60,60	0
56	MG	2A	3516	1/1	0.89	0.27	55,55,55,55	0
56	MG	2A	3518	1/1	0.89	0.20	40,40,40,40	0
56	MG	1a	3194	1/1	0.89	0.10	72,72,72,72	0
56	MG	2A	3219	1/1	0.89	0.21	54,54,54,54	0
56	MG	2a	3052	1/1	0.89	0.19	65,65,65,65	0
56	MG	2A	3525	1/1	0.89	0.24	69,69,69,69	0
56	MG	2A	3220	1/1	0.89	0.21	40,40,40,40	0
56	MG	2A	3231	1/1	0.89	0.15	51,51,51,51	0
56	MG	2A	3232	1/1	0.89	0.15	54,54,54,54	0
56	MG	2A	3537	1/1	0.89	0.09	60,60,60,60	0
56	MG	1A	3402	1/1	0.89	0.20	50,50,50,50	0
56	MG	2a	3063	1/1	0.89	0.16	74,74,74,74	0
56	MG	1t	201	1/1	0.89	0.16	61,61,61,61	0
56	MG	2A	3246	1/1	0.89	0.16	65,65,65,65	0
56	MG	1A	3255	1/1	0.89	0.09	63,63,63,63	0
56	MG	2A	3560	1/1	0.89	0.14	74,74,74,74	0
56	MG	1P	203	1/1	0.89	0.20	39,39,39,39	0
56	MG	2A	3577	1/1	0.89	0.19	81,81,81,81	0
56	MG	2A	3261	1/1	0.89	0.17	52,52,52,52	0
56	MG	2A	3015	1/1	0.89	0.17	65,65,65,65	0
56	MG	2A	3024	1/1	0.89	0.10	45,45,45,45	0
56	MG	2a	3087	1/1	0.89	0.23	59,59,59,59	0
56	MG	2A	3031	1/1	0.89	0.16	66,66,66,66	0
56	MG	2a	3091	1/1	0.89	0.16	35,35,35,35	0
56	MG	2A	3617	1/1	0.89	0.15	54,54,54,54	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1a	3086	1/1	0.89	0.23	53,53,53,53	0
56	MG	2a	3099	1/1	0.89	0.15	43,43,43,43	0
56	MG	2a	3101	1/1	0.89	0.25	52,52,52,52	0
56	MG	1a	3096	1/1	0.89	0.21	56,56,56,56	0
56	MG	1A	3201	1/1	0.89	0.11	33,33,33,33	0
56	MG	1A	3983	1/1	0.89	0.15	44,44,44,44	0
56	MG	1A	3761	1/1	0.89	0.09	29,29,29,29	0
56	MG	1A	3215	1/1	0.89	0.23	54,54,54,54	0
56	MG	2a	3129	1/1	0.89	0.15	63,63,63,63	0
56	MG	2A	3063	1/1	0.89	0.13	36,36,36,36	0
56	MG	2a	3134	1/1	0.89	0.13	55,55,55,55	0
56	MG	1A	3866	1/1	0.89	0.09	38,38,38,38	0
56	MG	2A	3341	1/1	0.89	0.10	44,44,44,44	0
56	MG	19	101	1/1	0.89	0.20	56,56,56,56	0
56	MG	1A	3773	1/1	0.89	0.15	20,20,20,20	0
56	MG	2A	3370	1/1	0.89	0.15	64,64,64,64	0
56	MG	1A	3868	1/1	0.89	0.10	22,22,22,22	0
56	MG	2a	3157	1/1	0.89	0.15	63,63,63,63	0
56	MG	1A	3559	1/1	0.89	0.08	54,54,54,54	0
56	MG	2A	3712	1/1	0.89	0.19	49,49,49,49	0
56	MG	2A	3717	1/1	0.89	0.12	49,49,49,49	0
56	MG	2a	3171	1/1	0.89	0.08	64,64,64,64	0
56	MG	2a	3185	1/1	0.89	0.09	58,58,58,58	0
56	MG	1A	3242	1/1	0.89	0.24	62,62,62,62	0
56	MG	1A	3442	1/1	0.89	0.11	47,47,47,47	0
56	MG	2A	3389	1/1	0.89	0.09	74,74,74,74	0
56	MG	1a	3016	1/1	0.89	0.10	59,59,59,59	0
56	MG	1A	3903	1/1	0.89	0.11	31,31,31,31	0
56	MG	2A	3436	1/1	0.89	0.12	37,37,37,37	0
56	MG	1A	3701	1/1	0.89	0.14	42,42,42,42	0
56	MG	2A	3355	1/1	0.90	0.13	63,63,63,63	0
56	MG	2A	3716	1/1	0.90	0.17	56,56,56,56	0
56	MG	1a	3036	1/1	0.90	0.34	56,56,56,56	0
56	MG	1A	3882	1/1	0.90	0.08	34,34,34,34	0
56	MG	1A	3059	1/1	0.90	0.24	47,47,47,47	0
56	MG	2A	3724	1/1	0.90	0.08	53,53,53,53	0
56	MG	2A	3725	1/1	0.90	0.09	41,41,41,41	0
56	MG	1A	3068	1/1	0.90	0.20	31,31,31,31	0
56	MG	1A	3307	1/1	0.90	0.18	32,32,32,32	0
56	MG	2B	213	1/1	0.90	0.12	68,68,68,68	0
56	MG	2A	3067	1/1	0.90	0.06	39,39,39,39	0
56	MG	1A	3315	1/1	0.90	0.14	33,33,33,33	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	3444	1/1	0.90	0.09	46,46,46,46	0
56	MG	2E	307	1/1	0.90	0.09	43,43,43,43	0
56	MG	2A	3397	1/1	0.90	0.09	28,28,28,28	0
56	MG	1A	3163	1/1	0.90	0.11	47,47,47,47	0
56	MG	2A	3427	1/1	0.90	0.11	62,62,62,62	0
56	MG	2A	3428	1/1	0.90	0.13	53,53,53,53	0
56	MG	2Q	202	1/1	0.90	0.09	71,71,71,71	0
56	MG	2A	3431	1/1	0.90	0.11	53,53,53,53	0
56	MG	2A	3432	1/1	0.90	0.21	38,38,38,38	0
56	MG	2V	201	1/1	0.90	0.15	61,61,61,61	0
56	MG	1A	3204	1/1	0.90	0.22	38,38,38,38	0
56	MG	2A	3083	1/1	0.90	0.09	53,53,53,53	0
56	MG	1A	3688	1/1	0.90	0.11	40,40,40,40	0
56	MG	1B	227	1/1	0.90	0.07	53,53,53,53	0
56	MG	1A	3803	1/1	0.90	0.20	69,69,69,69	0
56	MG	1B	229	1/1	0.90	0.22	70,70,70,70	0
56	MG	2A	3448	1/1	0.90	0.09	54,54,54,54	0
56	MG	2a	3002	1/1	0.90	0.17	49,49,49,49	0
56	MG	1D	307	1/1	0.90	0.14	46,46,46,46	0
56	MG	2A	3456	1/1	0.90	0.21	54,54,54,54	0
56	MG	2A	3115	1/1	0.90	0.19	42,42,42,42	0
56	MG	1a	3216	1/1	0.90	0.20	66,66,66,66	0
56	MG	1a	3221	1/1	0.90	0.06	57,57,57,57	0
56	MG	1a	3222	1/1	0.90	0.15	74,74,74,74	0
56	MG	1A	3691	1/1	0.90	0.08	55,55,55,55	0
56	MG	1A	3336	1/1	0.90	0.09	36,36,36,36	0
56	MG	1E	302	1/1	0.90	0.19	27,27,27,27	0
56	MG	1E	304	1/1	0.90	0.12	61,61,61,61	0
56	MG	2A	3167	1/1	0.90	0.15	58,58,58,58	0
56	MG	1a	3095	1/1	0.90	0.33	61,61,61,61	0
56	MG	1a	3237	1/1	0.90	0.20	64,64,64,64	0
56	MG	1A	3512	1/1	0.90	0.08	62,62,62,62	0
56	MG	1A	3603	1/1	0.90	0.25	28,28,28,28	0
56	MG	1G	202	1/1	0.90	0.16	62,62,62,62	0
56	MG	1A	3715	1/1	0.90	0.09	32,32,32,32	0
56	MG	2A	3489	1/1	0.90	0.11	52,52,52,52	0
56	MG	1H	202	1/1	0.90	0.10	47,47,47,47	0
56	MG	1A	3947	1/1	0.90	0.17	47,47,47,47	0
56	MG	1A	3950	1/1	0.90	0.08	50,50,50,50	0
56	MG	1a	3111	1/1	0.90	0.19	52,52,52,52	0
56	MG	1A	3830	1/1	0.90	0.08	49,49,49,49	0
56	MG	2A	3507	1/1	0.90	0.30	78,78,78,78	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	3612	1/1	0.90	0.09	42,42,42,42	0
56	MG	1A	3517	1/1	0.90	0.10	51,51,51,51	0
56	MG	2A	3199	1/1	0.90	0.10	49,49,49,49	0
56	MG	2A	3204	1/1	0.90	0.20	66,66,66,66	0
56	MG	1A	3168	1/1	0.90	0.13	49,49,49,49	0
56	MG	2a	3062	1/1	0.90	0.18	55,55,55,55	0
56	MG	1a	3149	1/1	0.90	0.36	68,68,68,68	0
56	MG	1d	305	1/1	0.90	0.07	81,81,81,81	0
56	MG	1A	3968	1/1	0.90	0.19	46,46,46,46	0
56	MG	1A	3721	1/1	0.90	0.09	42,42,42,42	0
56	MG	17	104	1/1	0.90	0.25	29,29,29,29	0
56	MG	1A	3275	1/1	0.90	0.08	46,46,46,46	0
56	MG	2A	3536	1/1	0.90	0.09	60,60,60,60	0
56	MG	2A	3223	1/1	0.90	0.20	55,55,55,55	0
56	MG	2A	3229	1/1	0.90	0.07	47,47,47,47	0
56	MG	1A	3287	1/1	0.90	0.07	35,35,35,35	0
56	MG	1A	3739	1/1	0.90	0.10	64,64,64,64	0
56	MG	2a	3088	1/1	0.90	0.13	53,53,53,53	0
56	MG	1A	3033	1/1	0.90	0.17	30,30,30,30	0
56	MG	1m	201	1/1	0.90	0.13	75,75,75,75	0
56	MG	1a	3166	1/1	0.90	0.11	56,56,56,56	0
56	MG	1n	103	1/1	0.90	0.12	56,56,56,56	0
56	MG	1A	3293	1/1	0.90	0.10	54,54,54,54	0
56	MG	1A	3649	1/1	0.90	0.14	44,44,44,44	0
56	MG	2A	3601	1/1	0.90	0.24	25,25,25,25	0
56	MG	2a	3111	1/1	0.90	0.20	59,59,59,59	0
56	MG	1a	3015	1/1	0.90	0.15	56,56,56,56	0
56	MG	1A	3561	1/1	0.90	0.12	56,56,56,56	0
56	MG	1A	3056	1/1	0.90	0.19	46,46,46,46	0
56	MG	1a	3020	1/1	0.90	0.16	53,53,53,53	0
56	MG	2A	3023	1/1	0.90	0.10	56,56,56,56	0
56	MG	2A	3629	1/1	0.90	0.12	47,47,47,47	0
56	MG	2A	3639	1/1	0.90	0.08	57,57,57,57	0
56	MG	1A	3430	1/1	0.90	0.08	32,32,32,32	0
56	MG	2A	3645	1/1	0.90	0.08	38,38,38,38	0
56	MG	2A	3648	1/1	0.90	0.10	51,51,51,51	0
56	MG	2a	3141	1/1	0.90	0.18	55,55,55,55	0
56	MG	2A	3288	1/1	0.90	0.29	61,61,61,61	0
56	MG	2A	3291	1/1	0.90	0.11	51,51,51,51	0
56	MG	2A	3670	1/1	0.90	0.06	71,71,71,71	0
56	MG	2A	3680	1/1	0.90	0.16	45,45,45,45	0
56	MG	2A	3683	1/1	0.90	0.14	47,47,47,47	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3292	1/1	0.90	0.35	59,59,59,59	0
56	MG	2a	3169	1/1	0.90	0.16	44,44,44,44	0
56	MG	2A	3304	1/1	0.90	0.27	46,46,46,46	0
56	MG	1a	3182	1/1	0.90	0.09	53,53,53,53	0
56	MG	2a	3184	1/1	0.90	0.29	51,51,51,51	0
56	MG	1A	3878	1/1	0.90	0.10	72,72,72,72	0
56	MG	2e	201	1/1	0.90	0.21	63,63,63,63	0
56	MG	2A	3697	1/1	0.90	0.09	53,53,53,53	0
56	MG	1A	4013	1/1	0.90	0.17	31,31,31,31	0
56	MG	2A	3701	1/1	0.90	0.15	48,48,48,48	0
56	MG	2A	3044	1/1	0.90	0.24	53,53,53,53	0
58	MPD	2A	3727	8/8	0.90	0.20	41,48,53,55	0
56	MG	2A	3046	1/1	0.90	0.10	49,49,49,49	0
56	MG	1a	3033	1/1	0.90	0.23	57,57,57,57	0
56	MG	2A	3050	1/1	0.90	0.14	61,61,61,61	0
56	MG	2A	3369	1/1	0.91	0.08	33,33,33,33	0
56	MG	1A	3081	1/1	0.91	0.21	31,31,31,31	0
56	MG	1a	3004	1/1	0.91	0.10	59,59,59,59	0
56	MG	2A	3721	1/1	0.91	0.09	64,64,64,64	0
56	MG	2A	3373	1/1	0.91	0.09	37,37,37,37	0
56	MG	1A	3085	1/1	0.91	0.24	33,33,33,33	0
56	MG	1A	3014	1/1	0.91	0.16	58,58,58,58	0
56	MG	1A	3990	1/1	0.91	0.49	45,45,45,45	0
56	MG	2A	3385	1/1	0.91	0.08	54,54,54,54	0
56	MG	2B	204	1/1	0.91	0.06	57,57,57,57	0
56	MG	2B	206	1/1	0.91	0.22	65,65,65,65	0
56	MG	2B	209	1/1	0.91	0.15	58,58,58,58	0
56	MG	2B	210	1/1	0.91	0.08	58,58,58,58	0
56	MG	2B	211	1/1	0.91	0.12	74,74,74,74	0
56	MG	1A	3032	1/1	0.91	0.10	50,50,50,50	0
56	MG	1A	3089	1/1	0.91	0.12	30,30,30,30	0
56	MG	2B	216	1/1	0.91	0.10	64,64,64,64	0
56	MG	1A	3475	1/1	0.91	0.11	18,18,18,18	0
56	MG	2A	3419	1/1	0.91	0.12	60,60,60,60	0
56	MG	2A	3065	1/1	0.91	0.16	41,41,41,41	0
56	MG	2A	3425	1/1	0.91	0.17	64,64,64,64	0
56	MG	1a	3192	1/1	0.91	0.10	51,51,51,51	0
56	MG	2A	3068	1/1	0.91	0.19	34,34,34,34	0
56	MG	2A	3070	1/1	0.91	0.13	56,56,56,56	0
56	MG	1A	3779	1/1	0.91	0.15	43,43,43,43	0
56	MG	2T	201	1/1	0.91	0.10	48,48,48,48	0
56	MG	1A	4004	1/1	0.91	0.09	47,47,47,47	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	3476	1/1	0.91	0.12	28,28,28,28	0
56	MG	1A	3100	1/1	0.91	0.11	29,29,29,29	0
56	MG	1A	3289	1/1	0.91	0.15	55,55,55,55	0
56	MG	2A	3088	1/1	0.91	0.19	74,74,74,74	0
56	MG	1A	3602	1/1	0.91	0.10	23,23,23,23	0
56	MG	2A	3094	1/1	0.91	0.24	56,56,56,56	0
56	MG	2A	3451	1/1	0.91	0.11	41,41,41,41	0
56	MG	1A	3801	1/1	0.91	0.09	48,48,48,48	0
56	MG	25	103	1/1	0.91	0.11	63,63,63,63	0
56	MG	25	104	1/1	0.91	0.12	43,43,43,43	0
56	MG	1a	3203	1/1	0.91	0.19	53,53,53,53	0
56	MG	2A	3106	1/1	0.91	0.11	48,48,48,48	0
56	MG	1A	3912	1/1	0.91	0.33	32,32,32,32	0
56	MG	1A	3397	1/1	0.91	0.12	15,15,15,15	0
56	MG	2a	3007	1/1	0.91	0.10	70,70,70,70	0
56	MG	1a	3207	1/1	0.91	0.14	67,67,67,67	0
56	MG	2A	3117	1/1	0.91	0.17	54,54,54,54	0
56	MG	1A	3522	1/1	0.91	0.39	31,31,31,31	0
56	MG	1A	3920	1/1	0.91	0.20	59,59,59,59	0
56	MG	2A	3129	1/1	0.91	0.11	56,56,56,56	0
56	MG	2a	3022	1/1	0.91	0.14	47,47,47,47	0
56	MG	2A	3130	1/1	0.91	0.15	43,43,43,43	0
56	MG	2A	3474	1/1	0.91	0.14	56,56,56,56	0
56	MG	1a	3058	1/1	0.91	0.13	62,62,62,62	0
56	MG	2A	3136	1/1	0.91	0.18	55,55,55,55	0
56	MG	1B	220	1/1	0.91	0.09	30,30,30,30	0
56	MG	2A	3482	1/1	0.91	0.06	54,54,54,54	0
56	MG	2A	3157	1/1	0.91	0.07	41,41,41,41	0
56	MG	1a	3065	1/1	0.91	0.18	57,57,57,57	0
56	MG	1a	3217	1/1	0.91	0.08	60,60,60,60	0
56	MG	1B	225	1/1	0.91	0.06	33,33,33,33	0
56	MG	1A	3167	1/1	0.91	0.09	27,27,27,27	0
56	MG	1A	3616	1/1	0.91	0.14	46,46,46,46	0
56	MG	1A	3825	1/1	0.91	0.12	46,46,46,46	0
56	MG	1a	3226	1/1	0.91	0.13	56,56,56,56	0
56	MG	1A	3935	1/1	0.91	0.09	21,21,21,21	0
56	MG	1A	3105	1/1	0.91	0.21	34,34,34,34	0
56	MG	1A	3941	1/1	0.91	0.13	64,64,64,64	0
56	MG	1A	3541	1/1	0.91	0.12	50,50,50,50	0
56	MG	1a	3238	1/1	0.91	0.07	66,66,66,66	0
56	MG	2A	3191	1/1	0.91	0.15	65,65,65,65	0
56	MG	2A	3517	1/1	0.91	0.11	49,49,49,49	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2a	3060	1/1	0.91	0.19	67,67,67,67	0
56	MG	1a	3240	1/1	0.91	0.14	52,52,52,52	0
56	MG	1D	315	1/1	0.91	0.11	56,56,56,56	0
56	MG	1A	3631	1/1	0.91	0.11	35,35,35,35	0
56	MG	1A	3251	1/1	0.91	0.24	35,35,35,35	0
56	MG	1a	3090	1/1	0.91	0.19	52,52,52,52	0
56	MG	1F	301	1/1	0.91	0.12	28,28,28,28	0
56	MG	1F	314	1/1	0.91	0.14	29,29,29,29	0
56	MG	1F	315	1/1	0.91	0.13	48,48,48,48	0
56	MG	1a	3255	1/1	0.91	0.09	48,48,48,48	0
56	MG	2A	3538	1/1	0.91	0.21	54,54,54,54	0
56	MG	2a	3072	1/1	0.91	0.15	57,57,57,57	0
56	MG	1F	319	1/1	0.91	0.12	40,40,40,40	0
56	MG	2a	3077	1/1	0.91	0.22	65,65,65,65	0
56	MG	1A	3840	1/1	0.91	0.22	50,50,50,50	0
56	MG	1a	3105	1/1	0.91	0.17	64,64,64,64	0
56	MG	1A	3951	1/1	0.91	0.14	69,69,69,69	0
56	MG	1A	3557	1/1	0.91	0.06	32,32,32,32	0
56	MG	1G	203	1/1	0.91	0.08	47,47,47,47	0
56	MG	1d	303	1/1	0.91	0.09	51,51,51,51	0
56	MG	2A	3581	1/1	0.91	0.15	39,39,39,39	0
56	MG	1d	304	1/1	0.91	0.11	61,61,61,61	0
56	MG	1A	3736	1/1	0.91	0.26	53,53,53,53	0
56	MG	2A	3598	1/1	0.91	0.07	48,48,48,48	0
56	MG	2A	3233	1/1	0.91	0.27	65,65,65,65	0
56	MG	2A	3236	1/1	0.91	0.12	59,59,59,59	0
56	MG	1a	3113	1/1	0.91	0.11	61,61,61,61	0
56	MG	1A	3956	1/1	0.91	0.11	53,53,53,53	0
56	MG	2A	3244	1/1	0.91	0.28	54,54,54,54	0
56	MG	1A	3957	1/1	0.91	0.09	49,49,49,49	0
56	MG	2a	3130	1/1	0.91	0.08	63,63,63,63	0
56	MG	1A	3958	1/1	0.91	0.23	79,79,79,79	0
56	MG	1A	3960	1/1	0.91	0.12	56,56,56,56	0
56	MG	1a	3144	1/1	0.91	0.12	53,53,53,53	0
56	MG	1a	3148	1/1	0.91	0.11	57,57,57,57	0
56	MG	1A	3171	1/1	0.91	0.06	44,44,44,44	0
56	MG	1A	3431	1/1	0.91	0.23	64,64,64,64	0
56	MG	1U	201	1/1	0.91	0.13	37,37,37,37	0
56	MG	2A	3665	1/1	0.91	0.17	75,75,75,75	0
56	MG	2A	3666	1/1	0.91	0.10	57,57,57,57	0
56	MG	1U	203	1/1	0.91	0.14	43,43,43,43	0
56	MG	1U	206	1/1	0.91	0.14	34,34,34,34	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1a	3160	1/1	0.91	0.12	58,58,58,58	0
56	MG	1A	3433	1/1	0.91	0.08	68,68,68,68	0
56	MG	2A	3687	1/1	0.91	0.09	57,57,57,57	0
56	MG	1y	202	1/1	0.91	0.10	62,62,62,62	0
56	MG	2a	3181	1/1	0.91	0.06	68,68,68,68	0
56	MG	1A	3851	1/1	0.91	0.18	26,26,26,26	0
56	MG	13	104	1/1	0.91	0.19	35,35,35,35	0
56	MG	2a	3187	1/1	0.91	0.25	62,62,62,62	0
56	MG	2A	3694	1/1	0.91	0.14	69,69,69,69	0
56	MG	1A	3747	1/1	0.91	0.12	50,50,50,50	0
56	MG	1a	3173	1/1	0.91	0.09	56,56,56,56	0
56	MG	2A	3027	1/1	0.91	0.13	22,22,22,22	0
56	MG	2t	201	1/1	0.91	0.11	41,41,41,41	0
56	MG	1A	3982	1/1	0.91	0.10	46,46,46,46	0
56	MG	18	101	1/1	0.91	0.14	37,37,37,37	0
56	MG	2A	3037	1/1	0.91	0.26	64,64,64,64	0
56	MG	1A	3302	1/1	0.91	0.23	72,72,72,72	0
59	ARG	1B	230	12/12	0.91	0.12	24,48,58,61	0
56	MG	1A	3122	1/1	0.91	0.13	35,35,35,35	0
56	MG	1a	3199	1/1	0.92	0.13	70,70,70,70	0
56	MG	2D	306	1/1	0.92	0.29	34,34,34,34	0
56	MG	2D	307	1/1	0.92	0.10	38,38,38,38	0
56	MG	1A	3877	1/1	0.92	0.07	18,18,18,18	0
56	MG	1B	216	1/1	0.92	0.08	70,70,70,70	0
56	MG	2A	3465	1/1	0.92	0.25	64,64,64,64	0
56	MG	2A	3005	1/1	0.92	0.14	66,66,66,66	0
56	MG	2A	3006	1/1	0.92	0.08	48,48,48,48	0
56	MG	1B	217	1/1	0.92	0.11	36,36,36,36	0
56	MG	2O	201	1/1	0.92	0.08	50,50,50,50	0
56	MG	2A	3201	1/1	0.92	0.12	45,45,45,45	0
56	MG	1a	3103	1/1	0.92	0.10	59,59,59,59	0
56	MG	1B	218	1/1	0.92	0.08	39,39,39,39	0
56	MG	2T	202	1/1	0.92	0.14	60,60,60,60	0
56	MG	1A	3728	1/1	0.92	0.09	38,38,38,38	0
56	MG	2T	204	1/1	0.92	0.07	40,40,40,40	0
56	MG	1A	3083	1/1	0.92	0.09	42,42,42,42	0
56	MG	2A	3215	1/1	0.92	0.10	45,45,45,45	0
56	MG	2V	202	1/1	0.92	0.13	49,49,49,49	0
56	MG	1A	3959	1/1	0.92	0.15	44,44,44,44	0
56	MG	2A	3484	1/1	0.92	0.09	51,51,51,51	0
56	MG	1a	3210	1/1	0.92	0.11	71,71,71,71	0
56	MG	1A	3805	1/1	0.92	0.05	40,40,40,40	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	3263	1/1	0.92	0.06	31,31,31,31	0
56	MG	2A	3222	1/1	0.92	0.12	43,43,43,43	0
56	MG	1a	3114	1/1	0.92	0.12	49,49,49,49	0
56	MG	2A	3497	1/1	0.92	0.09	40,40,40,40	0
56	MG	1a	3115	1/1	0.92	0.13	31,31,31,31	0
56	MG	1a	3120	1/1	0.92	0.22	53,53,53,53	0
56	MG	2A	3054	1/1	0.92	0.11	47,47,47,47	0
56	MG	1a	3121	1/1	0.92	0.10	66,66,66,66	0
56	MG	2A	3056	1/1	0.92	0.13	59,59,59,59	0
56	MG	1a	3122	1/1	0.92	0.10	63,63,63,63	0
56	MG	1A	3895	1/1	0.92	0.10	56,56,56,56	0
56	MG	2A	3513	1/1	0.92	0.07	51,51,51,51	0
56	MG	2A	3515	1/1	0.92	0.11	53,53,53,53	0
56	MG	2A	3243	1/1	0.92	0.36	46,46,46,46	0
56	MG	2a	3021	1/1	0.92	0.12	49,49,49,49	0
56	MG	1a	3136	1/1	0.92	0.06	59,59,59,59	0
56	MG	1A	3738	1/1	0.92	0.16	55,55,55,55	0
56	MG	1a	3138	1/1	0.92	0.24	42,42,42,42	0
56	MG	1a	3141	1/1	0.92	0.23	57,57,57,57	0
56	MG	2a	3032	1/1	0.92	0.06	42,42,42,42	0
56	MG	1A	3975	1/1	0.92	0.10	44,44,44,44	0
56	MG	1A	3815	1/1	0.92	0.11	34,34,34,34	0
56	MG	2A	3530	1/1	0.92	0.12	60,60,60,60	0
56	MG	2A	3531	1/1	0.92	0.11	39,39,39,39	0
56	MG	2A	3265	1/1	0.92	0.07	47,47,47,47	0
56	MG	2A	3072	1/1	0.92	0.06	47,47,47,47	0
56	MG	1A	3449	1/1	0.92	0.14	54,54,54,54	0
56	MG	2A	3274	1/1	0.92	0.23	47,47,47,47	0
56	MG	2A	3279	1/1	0.92	0.06	68,68,68,68	0
56	MG	2A	3076	1/1	0.92	0.22	40,40,40,40	0
56	MG	2A	3548	1/1	0.92	0.08	51,51,51,51	0
56	MG	2A	3077	1/1	0.92	0.34	47,47,47,47	0
56	MG	2a	3051	1/1	0.92	0.21	71,71,71,71	0
56	MG	2A	3551	1/1	0.92	0.17	39,39,39,39	0
56	MG	1a	3147	1/1	0.92	0.12	47,47,47,47	0
56	MG	2A	3287	1/1	0.92	0.17	61,61,61,61	0
56	MG	1A	3034	1/1	0.92	0.21	49,49,49,49	0
56	MG	2A	3562	1/1	0.92	0.08	57,57,57,57	0
56	MG	2A	3565	1/1	0.92	0.12	31,31,31,31	0
56	MG	2A	3568	1/1	0.92	0.13	55,55,55,55	0
56	MG	1A	3611	1/1	0.92	0.12	25,25,25,25	0
56	MG	1E	306	1/1	0.92	0.10	52,52,52,52	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3302	1/1	0.92	0.23	42,42,42,42	0
56	MG	1a	3245	1/1	0.92	0.09	38,38,38,38	0
56	MG	1A	3266	1/1	0.92	0.12	52,52,52,52	0
56	MG	2A	3594	1/1	0.92	0.09	29,29,29,29	0
56	MG	1A	3421	1/1	0.92	0.15	32,32,32,32	0
56	MG	1a	3037	1/1	0.92	0.18	48,48,48,48	0
56	MG	1A	3919	1/1	0.92	0.08	53,53,53,53	0
56	MG	2A	3334	1/1	0.92	0.12	71,71,71,71	0
56	MG	2A	3614	1/1	0.92	0.09	37,37,37,37	0
56	MG	2A	3105	1/1	0.92	0.12	55,55,55,55	0
56	MG	2A	3338	1/1	0.92	0.17	47,47,47,47	0
56	MG	2a	3078	1/1	0.92	0.07	54,54,54,54	0
56	MG	1A	3988	1/1	0.92	0.09	52,52,52,52	0
56	MG	2a	3083	1/1	0.92	0.14	75,75,75,75	0
56	MG	1A	3749	1/1	0.92	0.11	34,34,34,34	0
56	MG	1A	3924	1/1	0.92	0.09	50,50,50,50	0
56	MG	1A	3035	1/1	0.92	0.21	50,50,50,50	0
56	MG	2A	3116	1/1	0.92	0.12	38,38,38,38	0
56	MG	2a	3092	1/1	0.92	0.15	59,59,59,59	0
56	MG	1a	3167	1/1	0.92	0.11	64,64,64,64	0
56	MG	1A	3490	1/1	0.92	0.13	34,34,34,34	0
56	MG	2A	3123	1/1	0.92	0.16	31,31,31,31	0
56	MG	2A	3125	1/1	0.92	0.30	59,59,59,59	0
56	MG	1a	3269	1/1	0.92	0.10	58,58,58,58	0
56	MG	1a	3270	1/1	0.92	0.13	77,77,77,77	0
56	MG	2A	3380	1/1	0.92	0.07	77,77,77,77	0
56	MG	2A	3682	1/1	0.92	0.09	51,51,51,51	0
56	MG	2A	3382	1/1	0.92	0.07	46,46,46,46	0
56	MG	1A	3273	1/1	0.92	0.08	25,25,25,25	0
56	MG	2a	3127	1/1	0.92	0.10	46,46,46,46	0
56	MG	2A	3387	1/1	0.92	0.10	48,48,48,48	0
56	MG	2A	3388	1/1	0.92	0.09	56,56,56,56	0
56	MG	1A	3357	1/1	0.92	0.11	27,27,27,27	0
56	MG	1A	4003	1/1	0.92	0.11	48,48,48,48	0
56	MG	2a	3136	1/1	0.92	0.28	64,64,64,64	0
56	MG	2A	3394	1/1	0.92	0.14	57,57,57,57	0
56	MG	2A	3140	1/1	0.92	0.17	56,56,56,56	0
56	MG	2A	3399	1/1	0.92	0.10	50,50,50,50	0
56	MG	2A	3408	1/1	0.92	0.10	34,34,34,34	0
56	MG	2A	3704	1/1	0.92	0.18	20,20,20,20	0
56	MG	2A	3705	1/1	0.92	0.09	46,46,46,46	0
56	MG	2A	3141	1/1	0.92	0.12	52,52,52,52	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1a	3069	1/1	0.92	0.15	61,61,61,61	0
56	MG	1A	3252	1/1	0.92	0.09	34,34,34,34	0
56	MG	1A	3710	1/1	0.92	0.15	20,20,20,20	0
56	MG	2a	3165	1/1	0.92	0.08	56,56,56,56	0
56	MG	1A	3367	1/1	0.92	0.09	40,40,40,40	0
56	MG	1g	201	1/1	0.92	0.22	53,53,53,53	0
56	MG	1T	201	1/1	0.92	0.11	45,45,45,45	0
56	MG	2A	3435	1/1	0.92	0.09	71,71,71,71	0
56	MG	2A	3172	1/1	0.92	0.14	33,33,33,33	0
56	MG	1A	3586	1/1	0.92	0.15	56,56,56,56	0
56	MG	2A	3438	1/1	0.92	0.08	48,48,48,48	0
56	MG	1A	3644	1/1	0.92	0.09	27,27,27,27	0
56	MG	1A	4021	1/1	0.92	0.10	52,52,52,52	0
56	MG	2A	3181	1/1	0.92	0.19	58,58,58,58	0
56	MG	2A	3182	1/1	0.92	0.10	57,57,57,57	0
56	MG	2B	205	1/1	0.92	0.13	49,49,49,49	0
56	MG	2x	101	1/1	0.92	0.13	35,35,35,35	0
56	MG	1A	3439	1/1	0.92	0.12	70,70,70,70	0
56	MG	1A	3533	1/1	0.92	0.09	47,47,47,47	0
56	MG	10	104	1/1	0.92	0.11	56,56,56,56	0
56	MG	1A	3227	1/1	0.92	0.11	27,27,27,27	0
56	MG	11	102	1/1	0.92	0.13	61,61,61,61	0
56	MG	1A	3656	1/1	0.92	0.07	21,21,21,21	0
56	MG	1A	3112	1/1	0.93	0.20	38,38,38,38	0
56	MG	1a	3085	1/1	0.93	0.07	51,51,51,51	0
56	MG	2A	3423	1/1	0.93	0.08	40,40,40,40	0
56	MG	2A	3134	1/1	0.93	0.14	54,54,54,54	0
56	MG	1A	3925	1/1	0.93	0.15	57,57,57,57	0
56	MG	1A	3647	1/1	0.93	0.12	58,58,58,58	0
56	MG	2B	207	1/1	0.93	0.14	52,52,52,52	0
56	MG	2B	208	1/1	0.93	0.08	57,57,57,57	0
56	MG	1a	3093	1/1	0.93	0.17	65,65,65,65	0
56	MG	1A	3540	1/1	0.93	0.10	30,30,30,30	0
56	MG	2A	3143	1/1	0.93	0.14	55,55,55,55	0
56	MG	2A	3148	1/1	0.93	0.12	50,50,50,50	0
56	MG	2A	3150	1/1	0.93	0.07	45,45,45,45	0
56	MG	2A	3151	1/1	0.93	0.12	60,60,60,60	0
56	MG	2D	302	1/1	0.93	0.30	39,39,39,39	0
56	MG	1A	3010	1/1	0.93	0.10	36,36,36,36	0
56	MG	1A	3079	1/1	0.93	0.20	32,32,32,32	0
56	MG	2D	309	1/1	0.93	0.08	53,53,53,53	0
56	MG	1A	3937	1/1	0.93	0.08	54,54,54,54	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	3552	1/1	0.93	0.09	49,49,49,49	0
56	MG	1F	307	1/1	0.93	0.08	30,30,30,30	0
56	MG	1A	3556	1/1	0.93	0.11	51,51,51,51	0
56	MG	1A	3800	1/1	0.93	0.09	49,49,49,49	0
56	MG	2A	3453	1/1	0.93	0.08	45,45,45,45	0
56	MG	2A	3454	1/1	0.93	0.06	47,47,47,47	0
56	MG	2A	3455	1/1	0.93	0.12	46,46,46,46	0
56	MG	2Q	201	1/1	0.93	0.17	54,54,54,54	0
56	MG	1A	3666	1/1	0.93	0.08	50,50,50,50	0
56	MG	2A	3458	1/1	0.93	0.12	57,57,57,57	0
56	MG	1A	3038	1/1	0.93	0.08	33,33,33,33	0
56	MG	1A	3948	1/1	0.93	0.24	53,53,53,53	0
56	MG	1A	3427	1/1	0.93	0.11	51,51,51,51	0
56	MG	1A	3186	1/1	0.93	0.12	43,43,43,43	0
56	MG	1A	3090	1/1	0.93	0.16	35,35,35,35	0
56	MG	1A	3810	1/1	0.93	0.17	54,54,54,54	0
56	MG	1a	3274	1/1	0.93	0.08	60,60,60,60	0
56	MG	2A	3469	1/1	0.93	0.12	40,40,40,40	0
56	MG	1a	3275	1/1	0.93	0.12	64,64,64,64	0
56	MG	20	101	1/1	0.93	0.10	46,46,46,46	0
56	MG	1A	3432	1/1	0.93	0.13	43,43,43,43	0
56	MG	1A	3813	1/1	0.93	0.06	52,52,52,52	0
56	MG	1O	201	1/1	0.93	0.15	49,49,49,49	0
56	MG	25	101	1/1	0.93	0.45	44,44,44,44	0
56	MG	1a	3126	1/1	0.93	0.10	66,66,66,66	0
56	MG	1a	3130	1/1	0.93	0.10	69,69,69,69	0
56	MG	1A	3572	1/1	0.93	0.09	45,45,45,45	0
56	MG	28	102	1/1	0.93	0.10	53,53,53,53	0
56	MG	2a	3001	1/1	0.93	0.11	40,40,40,40	0
56	MG	1A	3819	1/1	0.93	0.10	43,43,43,43	0
56	MG	2A	3200	1/1	0.93	0.12	46,46,46,46	0
56	MG	1g	202	1/1	0.93	0.19	60,60,60,60	0
56	MG	1A	3820	1/1	0.93	0.12	13,13,13,13	0
56	MG	1A	3260	1/1	0.93	0.08	60,60,60,60	0
56	MG	2A	3209	1/1	0.93	0.10	54,54,54,54	0
56	MG	2A	3210	1/1	0.93	0.15	59,59,59,59	0
56	MG	1A	3687	1/1	0.93	0.16	46,46,46,46	0
56	MG	2A	3213	1/1	0.93	0.17	56,56,56,56	0
56	MG	1A	3304	1/1	0.93	0.32	38,38,38,38	0
56	MG	1A	3973	1/1	0.93	0.06	50,50,50,50	0
56	MG	2a	3023	1/1	0.93	0.06	61,61,61,61	0
56	MG	1a	3146	1/1	0.93	0.05	58,58,58,58	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1W	201	1/1	0.93	0.16	43,43,43,43	0
56	MG	2A	3508	1/1	0.93	0.10	61,61,61,61	0
56	MG	1A	3193	1/1	0.93	0.09	50,50,50,50	0
56	MG	2a	3033	1/1	0.93	0.11	34,34,34,34	0
56	MG	10	101	1/1	0.93	0.25	41,41,41,41	0
56	MG	1a	3151	1/1	0.93	0.21	55,55,55,55	0
56	MG	1A	3831	1/1	0.93	0.06	30,30,30,30	0
56	MG	1A	3194	1/1	0.93	0.22	50,50,50,50	0
56	MG	10	107	1/1	0.93	0.08	48,48,48,48	0
56	MG	1A	3981	1/1	0.93	0.10	37,37,37,37	0
56	MG	11	104	1/1	0.93	0.18	53,53,53,53	0
56	MG	13	101	1/1	0.93	0.14	29,29,29,29	0
56	MG	1A	3096	1/1	0.93	0.10	55,55,55,55	0
56	MG	15	3103	1/1	0.93	0.40	24,24,24,24	0
56	MG	1A	3702	1/1	0.93	0.14	42,42,42,42	0
56	MG	1A	3984	1/1	0.93	0.05	19,19,19,19	0
56	MG	2A	3245	1/1	0.93	0.13	48,48,48,48	0
56	MG	17	107	1/1	0.93	0.07	39,39,39,39	0
56	MG	2A	3247	1/1	0.93	0.13	38,38,38,38	0
56	MG	2a	3055	1/1	0.93	0.08	56,56,56,56	0
56	MG	1A	3707	1/1	0.93	0.08	34,34,34,34	0
56	MG	1A	3065	1/1	0.93	0.10	44,44,44,44	0
56	MG	2A	3254	1/1	0.93	0.09	52,52,52,52	0
56	MG	2A	3539	1/1	0.93	0.09	48,48,48,48	0
56	MG	2A	3540	1/1	0.93	0.07	22,22,22,22	0
56	MG	1A	3270	1/1	0.93	0.08	44,44,44,44	0
56	MG	1A	3848	1/1	0.93	0.10	66,66,66,66	0
56	MG	1A	3590	1/1	0.93	0.13	61,61,61,61	0
56	MG	1A	3592	1/1	0.93	0.08	34,34,34,34	0
56	MG	2A	3269	1/1	0.93	0.21	41,41,41,41	0
56	MG	2A	3053	1/1	0.93	0.09	54,54,54,54	0
56	MG	1A	3041	1/1	0.93	0.21	51,51,51,51	0
56	MG	2A	3278	1/1	0.93	0.13	58,58,58,58	0
56	MG	1A	3594	1/1	0.93	0.09	40,40,40,40	0
56	MG	2A	3280	1/1	0.93	0.14	52,52,52,52	0
56	MG	1A	3595	1/1	0.93	0.08	38,38,38,38	0
56	MG	1A	3164	1/1	0.93	0.19	43,43,43,43	0
56	MG	1A	3460	1/1	0.93	0.07	47,47,47,47	0
56	MG	1a	3188	1/1	0.93	0.21	74,74,74,74	0
56	MG	2A	3590	1/1	0.93	0.09	63,63,63,63	0
56	MG	1A	3360	1/1	0.93	0.09	17,17,17,17	0
56	MG	2a	3086	1/1	0.93	0.12	67,67,67,67	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	3362	1/1	0.93	0.13	54,54,54,54	0
56	MG	1A	3205	1/1	0.93	0.07	34,34,34,34	0
56	MG	2A	3293	1/1	0.93	0.14	53,53,53,53	0
56	MG	2A	3294	1/1	0.93	0.25	55,55,55,55	0
56	MG	2A	3298	1/1	0.93	0.21	42,42,42,42	0
56	MG	2A	3608	1/1	0.93	0.10	58,58,58,58	0
56	MG	2A	3613	1/1	0.93	0.07	77,77,77,77	0
56	MG	2A	3301	1/1	0.93	0.13	48,48,48,48	0
56	MG	1A	4015	1/1	0.93	0.08	43,43,43,43	0
56	MG	2a	3103	1/1	0.93	0.18	40,40,40,40	0
56	MG	1a	3031	1/1	0.93	0.12	47,47,47,47	0
56	MG	2a	3110	1/1	0.93	0.22	56,56,56,56	0
56	MG	2A	3305	1/1	0.93	0.11	51,51,51,51	0
56	MG	2a	3112	1/1	0.93	0.14	58,58,58,58	0
56	MG	1A	3608	1/1	0.93	0.24	32,32,32,32	0
56	MG	2A	3637	1/1	0.93	0.08	45,45,45,45	0
56	MG	2A	3074	1/1	0.93	0.34	48,48,48,48	0
56	MG	2A	3321	1/1	0.93	0.07	37,37,37,37	0
56	MG	1a	3034	1/1	0.93	0.11	45,45,45,45	0
56	MG	2a	3128	1/1	0.93	0.21	69,69,69,69	0
56	MG	1A	3880	1/1	0.93	0.06	33,33,33,33	0
56	MG	2A	3331	1/1	0.93	0.12	40,40,40,40	0
56	MG	2A	3659	1/1	0.93	0.10	67,67,67,67	0
56	MG	1A	3166	1/1	0.93	0.12	40,40,40,40	0
56	MG	1A	3499	1/1	0.93	0.10	37,37,37,37	0
56	MG	1A	3503	1/1	0.93	0.12	55,55,55,55	0
56	MG	2a	3138	1/1	0.93	0.15	69,69,69,69	0
56	MG	1B	207	1/1	0.93	0.21	53,53,53,53	0
56	MG	2A	3082	1/1	0.93	0.14	41,41,41,41	0
56	MG	2A	3350	1/1	0.93	0.08	41,41,41,41	0
56	MG	1B	209	1/1	0.93	0.07	49,49,49,49	0
56	MG	1A	3885	1/1	0.93	0.18	39,39,39,39	0
56	MG	2A	3366	1/1	0.93	0.07	35,35,35,35	0
56	MG	1A	3891	1/1	0.93	0.10	57,57,57,57	0
56	MG	1a	3209	1/1	0.93	0.10	64,64,64,64	0
56	MG	2A	3691	1/1	0.93	0.10	51,51,51,51	0
56	MG	1A	3370	1/1	0.93	0.06	36,36,36,36	0
56	MG	2a	3166	1/1	0.93	0.08	56,56,56,56	0
56	MG	2a	3167	1/1	0.93	0.12	65,65,65,65	0
56	MG	1a	3061	1/1	0.93	0.15	66,66,66,66	0
56	MG	2A	3696	1/1	0.93	0.10	59,59,59,59	0
56	MG	2A	3104	1/1	0.93	0.20	53,53,53,53	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2a	3173	1/1	0.93	0.15	71,71,71,71	0
56	MG	1a	3063	1/1	0.93	0.11	63,63,63,63	0
56	MG	1A	3276	1/1	0.93	0.08	37,37,37,37	0
56	MG	2A	3110	1/1	0.93	0.10	43,43,43,43	0
56	MG	1A	3514	1/1	0.93	0.11	46,46,46,46	0
56	MG	1A	3756	1/1	0.93	0.07	48,48,48,48	0
56	MG	2f	201	1/1	0.93	0.12	43,43,43,43	0
56	MG	1A	3757	1/1	0.93	0.11	33,33,33,33	0
56	MG	1B	222	1/1	0.93	0.11	43,43,43,43	0
56	MG	1A	3381	1/1	0.93	0.07	25,25,25,25	0
56	MG	2A	3711	1/1	0.93	0.17	59,59,59,59	0
56	MG	1A	3390	1/1	0.93	0.12	18,18,18,18	0
56	MG	1A	3217	1/1	0.93	0.08	47,47,47,47	0
56	MG	1A	3401	1/1	0.93	0.08	44,44,44,44	0
56	MG	1A	3763	1/1	0.93	0.10	55,55,55,55	0
56	MG	2A	3402	1/1	0.93	0.10	34,34,34,34	0
56	MG	2A	3406	1/1	0.93	0.08	47,47,47,47	0
56	MG	1D	304	1/1	0.93	0.08	47,47,47,47	0
56	MG	1A	3200	1/1	0.94	0.13	43,43,43,43	0
56	MG	2A	3322	1/1	0.94	0.09	51,51,51,51	0
56	MG	1A	3589	1/1	0.94	0.10	26,26,26,26	0
56	MG	1A	3354	1/1	0.94	0.09	24,24,24,24	0
56	MG	1A	3067	1/1	0.94	0.07	35,35,35,35	0
56	MG	1a	3021	1/1	0.94	0.09	50,50,50,50	0
56	MG	1A	3461	1/1	0.94	0.08	54,54,54,54	0
56	MG	1A	3463	1/1	0.94	0.08	42,42,42,42	0
56	MG	1A	3870	1/1	0.94	0.09	23,23,23,23	0
56	MG	1A	3052	1/1	0.94	0.20	42,42,42,42	0
56	MG	1B	204	1/1	0.94	0.06	41,41,41,41	0
56	MG	1a	3195	1/1	0.94	0.08	54,54,54,54	0
56	MG	2A	3360	1/1	0.94	0.08	33,33,33,33	0
56	MG	1A	3158	1/1	0.94	0.13	36,36,36,36	0
56	MG	1A	3879	1/1	0.94	0.05	23,23,23,23	0
56	MG	2A	3715	1/1	0.94	0.18	69,69,69,69	0
56	MG	2A	3367	1/1	0.94	0.10	72,72,72,72	0
56	MG	1A	3725	1/1	0.94	0.05	25,25,25,25	0
56	MG	2A	3086	1/1	0.94	0.57	45,45,45,45	0
56	MG	2A	3719	1/1	0.94	0.06	58,58,58,58	0
56	MG	2A	3087	1/1	0.94	0.12	33,33,33,33	0
56	MG	1A	3598	1/1	0.94	0.10	48,48,48,48	0
56	MG	2A	3723	1/1	0.94	0.13	46,46,46,46	0
56	MG	2A	3090	1/1	0.94	0.08	62,62,62,62	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	3363	1/1	0.94	0.06	25,25,25,25	0
56	MG	1A	3481	1/1	0.94	0.08	18,18,18,18	0
56	MG	1A	3365	1/1	0.94	0.13	25,25,25,25	0
56	MG	1a	3045	1/1	0.94	0.22	53,53,53,53	0
56	MG	2A	3098	1/1	0.94	0.13	58,58,58,58	0
56	MG	2A	3386	1/1	0.94	0.12	34,34,34,34	0
56	MG	2A	3099	1/1	0.94	0.09	43,43,43,43	0
56	MG	2A	3100	1/1	0.94	0.11	48,48,48,48	0
56	MG	1A	3027	1/1	0.94	0.43	22,22,22,22	0
56	MG	1a	3053	1/1	0.94	0.28	64,64,64,64	0
56	MG	1a	3054	1/1	0.94	0.36	55,55,55,55	0
56	MG	2B	212	1/1	0.94	0.09	74,74,74,74	0
56	MG	1A	3071	1/1	0.94	0.11	41,41,41,41	0
56	MG	1A	3505	1/1	0.94	0.11	43,43,43,43	0
56	MG	1A	3210	1/1	0.94	0.16	42,42,42,42	0
56	MG	2A	3403	1/1	0.94	0.07	31,31,31,31	0
56	MG	2D	303	1/1	0.94	0.15	45,45,45,45	0
56	MG	2A	3405	1/1	0.94	0.10	30,30,30,30	0
56	MG	1A	3277	1/1	0.94	0.17	36,36,36,36	0
56	MG	2A	3407	1/1	0.94	0.10	36,36,36,36	0
56	MG	2D	312	1/1	0.94	0.06	46,46,46,46	0
56	MG	1A	3373	1/1	0.94	0.08	48,48,48,48	0
56	MG	2A	3411	1/1	0.94	0.17	59,59,59,59	0
56	MG	2A	3416	1/1	0.94	0.17	47,47,47,47	0
56	MG	2F	302	1/1	0.94	0.16	49,49,49,49	0
56	MG	1a	3214	1/1	0.94	0.08	65,65,65,65	0
56	MG	2G	201	1/1	0.94	0.09	79,79,79,79	0
56	MG	2A	3119	1/1	0.94	0.15	51,51,51,51	0
56	MG	1A	3623	1/1	0.94	0.09	46,46,46,46	0
56	MG	2A	3424	1/1	0.94	0.06	34,34,34,34	0
56	MG	2A	3122	1/1	0.94	0.05	48,48,48,48	0
56	MG	1A	3376	1/1	0.94	0.10	38,38,38,38	0
56	MG	1a	3218	1/1	0.94	0.06	76,76,76,76	0
56	MG	2A	3429	1/1	0.94	0.09	36,36,36,36	0
56	MG	1A	3518	1/1	0.94	0.08	21,21,21,21	0
56	MG	1A	3758	1/1	0.94	0.06	21,21,21,21	0
56	MG	1A	3380	1/1	0.94	0.13	35,35,35,35	0
56	MG	1A	3632	1/1	0.94	0.08	33,33,33,33	0
56	MG	1A	3284	1/1	0.94	0.13	54,54,54,54	0
56	MG	1a	3227	1/1	0.94	0.15	58,58,58,58	0
56	MG	2A	3137	1/1	0.94	0.21	56,56,56,56	0
56	MG	2W	202	1/1	0.94	0.28	55,55,55,55	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1a	3230	1/1	0.94	0.08	58,58,58,58	0
56	MG	1a	3231	1/1	0.94	0.07	63,63,63,63	0
56	MG	1A	3527	1/1	0.94	0.10	62,62,62,62	0
56	MG	1a	3079	1/1	0.94	0.04	33,33,33,33	0
56	MG	1a	3081	1/1	0.94	0.05	52,52,52,52	0
56	MG	2A	3149	1/1	0.94	0.13	38,38,38,38	0
56	MG	1A	3930	1/1	0.94	0.10	41,41,41,41	0
56	MG	1A	3286	1/1	0.94	0.09	68,68,68,68	0
56	MG	2A	3152	1/1	0.94	0.15	39,39,39,39	0
56	MG	2A	3153	1/1	0.94	0.16	44,44,44,44	0
56	MG	27	3300	1/1	0.94	0.12	33,33,33,33	0
56	MG	2A	3457	1/1	0.94	0.11	45,45,45,45	0
56	MG	2A	3155	1/1	0.94	0.06	60,60,60,60	0
56	MG	1A	3641	1/1	0.94	0.09	47,47,47,47	0
56	MG	1A	3643	1/1	0.94	0.09	45,45,45,45	0
56	MG	1A	3777	1/1	0.94	0.25	25,25,25,25	0
56	MG	1a	3087	1/1	0.94	0.14	62,62,62,62	0
56	MG	2A	3463	1/1	0.94	0.17	44,44,44,44	0
56	MG	1a	3089	1/1	0.94	0.07	56,56,56,56	0
56	MG	2a	3010	1/1	0.94	0.17	53,53,53,53	0
56	MG	2A	3168	1/1	0.94	0.10	44,44,44,44	0
56	MG	2a	3015	1/1	0.94	0.14	63,63,63,63	0
56	MG	2A	3170	1/1	0.94	0.12	40,40,40,40	0
56	MG	1A	3099	1/1	0.94	0.10	30,30,30,30	0
56	MG	1A	3025	1/1	0.94	0.18	34,34,34,34	0
56	MG	2A	3175	1/1	0.94	0.15	69,69,69,69	0
56	MG	1a	3094	1/1	0.94	0.15	57,57,57,57	0
56	MG	1A	3648	1/1	0.94	0.07	30,30,30,30	0
56	MG	1A	3782	1/1	0.94	0.09	39,39,39,39	0
56	MG	1a	3261	1/1	0.94	0.05	46,46,46,46	0
56	MG	2A	3479	1/1	0.94	0.06	54,54,54,54	0
56	MG	1a	3262	1/1	0.94	0.09	48,48,48,48	0
56	MG	1A	3946	1/1	0.94	0.06	58,58,58,58	0
56	MG	1A	3785	1/1	0.94	0.08	39,39,39,39	0
56	MG	1a	3100	1/1	0.94	0.15	51,51,51,51	0
56	MG	2A	3485	1/1	0.94	0.08	63,63,63,63	0
56	MG	2a	3039	1/1	0.94	0.25	62,62,62,62	0
56	MG	1A	3786	1/1	0.94	0.10	32,32,32,32	0
56	MG	1A	3218	1/1	0.94	0.16	25,25,25,25	0
56	MG	1a	3268	1/1	0.94	0.11	67,67,67,67	0
56	MG	2A	3491	1/1	0.94	0.12	44,44,44,44	0
56	MG	1A	3220	1/1	0.94	0.07	61,61,61,61	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3194	1/1	0.94	0.11	35,35,35,35	0
56	MG	1A	3654	1/1	0.94	0.14	34,34,34,34	0
56	MG	1A	3954	1/1	0.94	0.12	49,49,49,49	0
56	MG	2A	3503	1/1	0.94	0.09	48,48,48,48	0
56	MG	1a	3273	1/1	0.94	0.10	73,73,73,73	0
56	MG	1A	3550	1/1	0.94	0.08	35,35,35,35	0
56	MG	2a	3054	1/1	0.94	0.07	56,56,56,56	0
56	MG	1A	3101	1/1	0.94	0.07	51,51,51,51	0
56	MG	1d	301	1/1	0.94	0.08	69,69,69,69	0
56	MG	1A	3657	1/1	0.94	0.15	60,60,60,60	0
56	MG	1A	3555	1/1	0.94	0.18	50,50,50,50	0
56	MG	1T	203	1/1	0.94	0.07	38,38,38,38	0
56	MG	2A	3512	1/1	0.94	0.07	78,78,78,78	0
56	MG	1a	3117	1/1	0.94	0.08	62,62,62,62	0
56	MG	2A	3514	1/1	0.94	0.10	61,61,61,61	0
56	MG	1a	3118	1/1	0.94	0.08	61,61,61,61	0
56	MG	1A	3807	1/1	0.94	0.18	35,35,35,35	0
56	MG	1A	3665	1/1	0.94	0.07	37,37,37,37	0
56	MG	1A	3417	1/1	0.94	0.09	54,54,54,54	0
56	MG	1A	3061	1/1	0.94	0.08	41,41,41,41	0
56	MG	1V	203	1/1	0.94	0.17	44,44,44,44	0
56	MG	1a	3128	1/1	0.94	0.16	78,78,78,78	0
56	MG	1V	206	1/1	0.94	0.08	57,57,57,57	0
56	MG	2A	3527	1/1	0.94	0.14	63,63,63,63	0
56	MG	1a	3135	1/1	0.94	0.08	59,59,59,59	0
56	MG	1m	202	1/1	0.94	0.12	60,60,60,60	0
56	MG	2A	3532	1/1	0.94	0.12	81,81,81,81	0
56	MG	2a	3081	1/1	0.94	0.20	49,49,49,49	0
56	MG	2A	3226	1/1	0.94	0.09	41,41,41,41	0
56	MG	2A	3227	1/1	0.94	0.13	44,44,44,44	0
56	MG	2A	3228	1/1	0.94	0.19	36,36,36,36	0
56	MG	1A	3110	1/1	0.94	0.15	22,22,22,22	0
56	MG	1n	102	1/1	0.94	0.16	62,62,62,62	0
56	MG	1W	203	1/1	0.94	0.25	31,31,31,31	0
56	MG	1o	102	1/1	0.94	0.17	50,50,50,50	0
56	MG	2A	3545	1/1	0.94	0.07	35,35,35,35	0
56	MG	2A	3546	1/1	0.94	0.07	53,53,53,53	0
56	MG	2a	3094	1/1	0.94	0.21	44,44,44,44	0
56	MG	1A	3082	1/1	0.94	0.19	43,43,43,43	0
56	MG	2a	3097	1/1	0.94	0.21	31,31,31,31	0
56	MG	1Z	301	1/1	0.94	0.12	47,47,47,47	0
56	MG	2a	3100	1/1	0.94	0.32	49,49,49,49	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	3185	1/1	0.94	0.16	34,34,34,34	0
56	MG	10	102	1/1	0.94	0.10	36,36,36,36	0
56	MG	1A	3118	1/1	0.94	0.29	31,31,31,31	0
56	MG	2a	3108	1/1	0.94	0.23	57,57,57,57	0
56	MG	10	105	1/1	0.94	0.11	28,28,28,28	0
56	MG	2A	3002	1/1	0.94	0.10	42,42,42,42	0
56	MG	1A	3567	1/1	0.94	0.07	67,67,67,67	0
56	MG	2A	3248	1/1	0.94	0.06	35,35,35,35	0
56	MG	1A	3311	1/1	0.94	0.15	39,39,39,39	0
56	MG	2a	3122	1/1	0.94	0.09	45,45,45,45	0
56	MG	2A	3012	1/1	0.94	0.13	52,52,52,52	0
56	MG	2A	3575	1/1	0.94	0.09	40,40,40,40	0
56	MG	2A	3013	1/1	0.94	0.08	27,27,27,27	0
56	MG	2A	3255	1/1	0.94	0.07	27,27,27,27	0
56	MG	2A	3259	1/1	0.94	0.07	45,45,45,45	0
56	MG	1A	3062	1/1	0.94	0.12	33,33,33,33	0
56	MG	1A	3829	1/1	0.94	0.13	49,49,49,49	0
56	MG	2a	3132	1/1	0.94	0.09	46,46,46,46	0
56	MG	1A	3064	1/1	0.94	0.16	45,45,45,45	0
56	MG	2a	3135	1/1	0.94	0.09	78,78,78,78	0
56	MG	2A	3596	1/1	0.94	0.07	33,33,33,33	0
56	MG	13	102	1/1	0.94	0.11	42,42,42,42	0
56	MG	2A	3600	1/1	0.94	0.06	32,32,32,32	0
56	MG	2A	3267	1/1	0.94	0.17	41,41,41,41	0
56	MG	2A	3028	1/1	0.94	0.17	57,57,57,57	0
56	MG	1A	3011	1/1	0.94	0.14	45,45,45,45	0
56	MG	2a	3142	1/1	0.94	0.23	65,65,65,65	0
56	MG	2A	3033	1/1	0.94	0.18	53,53,53,53	0
56	MG	2a	3144	1/1	0.94	0.13	51,51,51,51	0
56	MG	2A	3610	1/1	0.94	0.10	49,49,49,49	0
56	MG	2a	3149	1/1	0.94	0.11	69,69,69,69	0
56	MG	1A	3695	1/1	0.94	0.23	35,35,35,35	0
56	MG	2A	3036	1/1	0.94	0.30	59,59,59,59	0
56	MG	15	3107	1/1	0.94	0.19	47,47,47,47	0
56	MG	2A	3619	1/1	0.94	0.06	75,75,75,75	0
56	MG	2A	3040	1/1	0.94	0.08	39,39,39,39	0
56	MG	1A	3325	1/1	0.94	0.10	40,40,40,40	0
56	MG	1A	3699	1/1	0.94	0.16	36,36,36,36	0
56	MG	2A	3631	1/1	0.94	0.07	54,54,54,54	0
56	MG	2A	3632	1/1	0.94	0.07	42,42,42,42	0
56	MG	2A	3045	1/1	0.94	0.12	35,35,35,35	0
56	MG	1A	3700	1/1	0.94	0.06	29,29,29,29	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2a	3174	1/1	0.94	0.12	53,53,53,53	0
56	MG	2a	3178	1/1	0.94	0.07	61,61,61,61	0
56	MG	2a	3179	1/1	0.94	0.06	65,65,65,65	0
56	MG	2A	3289	1/1	0.94	0.23	38,38,38,38	0
56	MG	1A	3327	1/1	0.94	0.10	22,22,22,22	0
56	MG	2A	3647	1/1	0.94	0.09	19,19,19,19	0
56	MG	1A	3585	1/1	0.94	0.08	33,33,33,33	0
56	MG	1a	3170	1/1	0.94	0.08	46,46,46,46	0
56	MG	1A	3703	1/1	0.94	0.10	50,50,50,50	0
56	MG	1A	3704	1/1	0.94	0.09	30,30,30,30	0
56	MG	2k	201	1/1	0.94	0.16	58,58,58,58	0
56	MG	1A	3998	1/1	0.94	0.25	26,26,26,26	0
56	MG	2A	3058	1/1	0.94	0.12	38,38,38,38	0
56	MG	1A	3705	1/1	0.94	0.14	64,64,64,64	0
56	MG	1a	3008	1/1	0.94	0.11	53,53,53,53	0
56	MG	1A	4001	1/1	0.94	0.13	45,45,45,45	0
56	MG	1A	3196	1/1	0.94	0.16	61,61,61,61	0
56	MG	2A	3309	1/1	0.94	0.10	28,28,28,28	0
56	MG	2A	3315	1/1	0.94	0.13	30,30,30,30	0
56	MG	2A	3317	1/1	0.94	0.11	44,44,44,44	0
56	MG	2A	3318	1/1	0.94	0.10	62,62,62,62	0
56	MG	1A	3992	1/1	0.95	0.09	26,26,26,26	0
56	MG	1a	3017	1/1	0.95	0.11	62,62,62,62	0
56	MG	1A	3672	1/1	0.95	0.07	61,61,61,61	0
56	MG	2A	3120	1/1	0.95	0.32	51,51,51,51	0
56	MG	1A	3066	1/1	0.95	0.06	31,31,31,31	0
56	MG	2A	3714	1/1	0.95	0.05	41,41,41,41	0
56	MG	1A	3403	1/1	0.95	0.06	25,25,25,25	0
56	MG	1A	3996	1/1	0.95	0.10	36,36,36,36	0
56	MG	1a	3025	1/1	0.95	0.12	41,41,41,41	0
56	MG	1A	3677	1/1	0.95	0.11	57,57,57,57	0
56	MG	2A	3128	1/1	0.95	0.16	39,39,39,39	0
56	MG	1A	3116	1/1	0.95	0.07	30,30,30,30	0
56	MG	1A	3681	1/1	0.95	0.07	49,49,49,49	0
56	MG	1A	3832	1/1	0.95	0.06	36,36,36,36	0
56	MG	2A	3132	1/1	0.95	0.12	40,40,40,40	0
56	MG	1A	3835	1/1	0.95	0.05	30,30,30,30	0
56	MG	2A	3135	1/1	0.95	0.07	24,24,24,24	0
56	MG	2B	202	1/1	0.95	0.13	60,60,60,60	0
56	MG	1a	3035	1/1	0.95	0.07	48,48,48,48	0
56	MG	1A	3294	1/1	0.95	0.07	40,40,40,40	0
56	MG	2A	3418	1/1	0.95	0.05	36,36,36,36	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3138	1/1	0.95	0.12	45,45,45,45	0
56	MG	2A	3420	1/1	0.95	0.12	32,32,32,32	0
56	MG	2A	3139	1/1	0.95	0.06	45,45,45,45	0
56	MG	1A	3413	1/1	0.95	0.11	22,22,22,22	0
56	MG	1a	3038	1/1	0.95	0.10	32,32,32,32	0
56	MG	1A	3686	1/1	0.95	0.09	59,59,59,59	0
56	MG	1A	3415	1/1	0.95	0.07	52,52,52,52	0
56	MG	2A	3146	1/1	0.95	0.11	51,51,51,51	0
56	MG	2A	3147	1/1	0.95	0.15	31,31,31,31	0
56	MG	2A	3430	1/1	0.95	0.18	57,57,57,57	0
56	MG	2D	301	1/1	0.95	0.27	45,45,45,45	0
56	MG	1A	3093	1/1	0.95	0.07	37,37,37,37	0
56	MG	1a	3042	1/1	0.95	0.06	73,73,73,73	0
56	MG	2D	305	1/1	0.95	0.11	34,34,34,34	0
56	MG	1A	3224	1/1	0.95	0.14	30,30,30,30	0
56	MG	1a	3044	1/1	0.95	0.09	58,58,58,58	0
56	MG	1B	201	1/1	0.95	0.08	51,51,51,51	0
56	MG	2D	310	1/1	0.95	0.08	37,37,37,37	0
56	MG	1a	3051	1/1	0.95	0.09	57,57,57,57	0
56	MG	1A	3121	1/1	0.95	0.12	28,28,28,28	0
56	MG	1A	3569	1/1	0.95	0.06	43,43,43,43	0
56	MG	2E	304	1/1	0.95	0.11	46,46,46,46	0
56	MG	1B	205	1/1	0.95	0.05	44,44,44,44	0
56	MG	2F	301	1/1	0.95	0.28	43,43,43,43	0
56	MG	2A	3445	1/1	0.95	0.06	49,49,49,49	0
56	MG	2A	3163	1/1	0.95	0.29	42,42,42,42	0
56	MG	1a	3056	1/1	0.95	0.20	50,50,50,50	0
56	MG	2A	3450	1/1	0.95	0.08	58,58,58,58	0
56	MG	1a	3057	1/1	0.95	0.16	51,51,51,51	0
56	MG	1A	3571	1/1	0.95	0.06	57,57,57,57	0
56	MG	1A	3301	1/1	0.95	0.06	44,44,44,44	0
56	MG	2P	201	1/1	0.95	0.06	42,42,42,42	0
56	MG	1A	3232	1/1	0.95	0.06	48,48,48,48	0
56	MG	1A	3233	1/1	0.95	0.20	34,34,34,34	0
56	MG	1B	211	1/1	0.95	0.07	49,49,49,49	0
56	MG	1a	3256	1/1	0.95	0.09	49,49,49,49	0
56	MG	1A	3235	1/1	0.95	0.18	34,34,34,34	0
56	MG	1A	3865	1/1	0.95	0.06	32,32,32,32	0
56	MG	1A	3310	1/1	0.95	0.10	30,30,30,30	0
56	MG	1A	3239	1/1	0.95	0.22	26,26,26,26	0
56	MG	1A	3706	1/1	0.95	0.13	42,42,42,42	0
56	MG	1A	3173	1/1	0.95	0.06	25,25,25,25	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3186	1/1	0.95	0.14	62,62,62,62	0
56	MG	1A	3316	1/1	0.95	0.34	64,64,64,64	0
56	MG	1B	224	1/1	0.95	0.05	43,43,43,43	0
56	MG	2A	3467	1/1	0.95	0.09	57,57,57,57	0
56	MG	1A	3175	1/1	0.95	0.18	28,28,28,28	0
56	MG	1A	3177	1/1	0.95	0.32	27,27,27,27	0
56	MG	20	104	1/1	0.95	0.11	60,60,60,60	0
56	MG	1A	3446	1/1	0.95	0.07	44,44,44,44	0
56	MG	1A	3591	1/1	0.95	0.08	46,46,46,46	0
56	MG	1A	3049	1/1	0.95	0.12	36,36,36,36	0
56	MG	1A	3453	1/1	0.95	0.05	40,40,40,40	0
56	MG	1D	305	1/1	0.95	0.15	33,33,33,33	0
56	MG	2A	3478	1/1	0.95	0.05	38,38,38,38	0
56	MG	28	101	1/1	0.95	0.15	58,58,58,58	0
56	MG	1A	3183	1/1	0.95	0.23	37,37,37,37	0
56	MG	1a	3088	1/1	0.95	0.10	50,50,50,50	0
56	MG	1A	3886	1/1	0.95	0.13	22,22,22,22	0
56	MG	1A	3724	1/1	0.95	0.04	43,43,43,43	0
56	MG	2A	3203	1/1	0.95	0.17	45,45,45,45	0
56	MG	1A	3331	1/1	0.95	0.06	29,29,29,29	0
56	MG	1D	316	1/1	0.95	0.14	44,44,44,44	0
56	MG	1A	3896	1/1	0.95	0.05	54,54,54,54	0
56	MG	1A	3335	1/1	0.95	0.09	58,58,58,58	0
56	MG	2a	3012	1/1	0.95	0.27	52,52,52,52	0
56	MG	1A	3730	1/1	0.95	0.09	43,43,43,43	0
56	MG	1A	3258	1/1	0.95	0.20	24,24,24,24	0
56	MG	1F	306	1/1	0.95	0.14	31,31,31,31	0
56	MG	2A	3495	1/1	0.95	0.08	38,38,38,38	0
56	MG	2a	3020	1/1	0.95	0.24	50,50,50,50	0
56	MG	1A	3734	1/1	0.95	0.06	32,32,32,32	0
56	MG	1F	311	1/1	0.95	0.18	22,22,22,22	0
56	MG	2A	3500	1/1	0.95	0.07	29,29,29,29	0
56	MG	1F	313	1/1	0.95	0.11	39,39,39,39	0
56	MG	1A	3472	1/1	0.95	0.09	16,16,16,16	0
56	MG	1A	3031	1/1	0.95	0.13	13,13,13,13	0
56	MG	2a	3029	1/1	0.95	0.10	62,62,62,62	0
56	MG	1F	317	1/1	0.95	0.16	40,40,40,40	0
56	MG	1A	3053	1/1	0.95	0.44	26,26,26,26	0
56	MG	2A	3224	1/1	0.95	0.11	49,49,49,49	0
56	MG	1A	3356	1/1	0.95	0.04	52,52,52,52	0
56	MG	1A	3605	1/1	0.95	0.13	42,42,42,42	0
56	MG	1A	3922	1/1	0.95	0.14	54,54,54,54	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	3478	1/1	0.95	0.05	24,24,24,24	0
56	MG	1G	204	1/1	0.95	0.05	41,41,41,41	0
56	MG	1x	102	1/1	0.95	0.09	24,24,24,24	0
56	MG	1A	3187	1/1	0.95	0.10	41,41,41,41	0
56	MG	1A	3483	1/1	0.95	0.06	52,52,52,52	0
56	MG	1A	3928	1/1	0.95	0.07	42,42,42,42	0
56	MG	1A	3929	1/1	0.95	0.06	53,53,53,53	0
56	MG	2A	3522	1/1	0.95	0.17	36,36,36,36	0
56	MG	2A	3523	1/1	0.95	0.08	41,41,41,41	0
56	MG	2a	3050	1/1	0.95	0.11	54,54,54,54	0
56	MG	1N	204	1/1	0.95	0.12	41,41,41,41	0
56	MG	1A	3751	1/1	0.95	0.06	27,27,27,27	0
56	MG	1P	202	1/1	0.95	0.13	26,26,26,26	0
56	MG	2A	3019	1/1	0.95	0.15	31,31,31,31	0
56	MG	2A	3529	1/1	0.95	0.09	55,55,55,55	0
56	MG	1a	3131	1/1	0.95	0.09	62,62,62,62	0
56	MG	1A	3188	1/1	0.95	0.16	58,58,58,58	0
56	MG	1Q	201	1/1	0.95	0.05	20,20,20,20	0
56	MG	1R	204	1/1	0.95	0.07	33,33,33,33	0
56	MG	2A	3534	1/1	0.95	0.17	55,55,55,55	0
56	MG	1A	3615	1/1	0.95	0.11	30,30,30,30	0
56	MG	1A	3492	1/1	0.95	0.16	44,44,44,44	0
56	MG	2A	3256	1/1	0.95	0.10	34,34,34,34	0
56	MG	2A	3257	1/1	0.95	0.10	47,47,47,47	0
56	MG	1A	3936	1/1	0.95	0.07	31,31,31,31	0
56	MG	2A	3260	1/1	0.95	0.11	27,27,27,27	0
56	MG	2A	3542	1/1	0.95	0.07	35,35,35,35	0
56	MG	1A	3621	1/1	0.95	0.08	16,16,16,16	0
56	MG	1A	3497	1/1	0.95	0.09	44,44,44,44	0
56	MG	1a	3145	1/1	0.95	0.15	62,62,62,62	0
56	MG	1A	3624	1/1	0.95	0.10	19,19,19,19	0
56	MG	1A	3135	1/1	0.95	0.04	29,29,29,29	0
56	MG	1A	3626	1/1	0.95	0.10	29,29,29,29	0
56	MG	2A	3553	1/1	0.95	0.16	65,65,65,65	0
56	MG	2a	3080	1/1	0.95	0.14	53,53,53,53	0
56	MG	1V	205	1/1	0.95	0.08	40,40,40,40	0
56	MG	2A	3555	1/1	0.95	0.10	56,56,56,56	0
56	MG	1A	3136	1/1	0.95	0.09	20,20,20,20	0
56	MG	2A	3048	1/1	0.95	0.08	45,45,45,45	0
56	MG	1a	3153	1/1	0.95	0.09	59,59,59,59	0
56	MG	2A	3564	1/1	0.95	0.10	27,27,27,27	0
56	MG	1a	3154	1/1	0.95	0.12	61,61,61,61	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3566	1/1	0.95	0.08	60,60,60,60	0
56	MG	1A	3769	1/1	0.95	0.06	27,27,27,27	0
56	MG	1A	3046	1/1	0.95	0.24	45,45,45,45	0
56	MG	2A	3284	1/1	0.95	0.12	52,52,52,52	0
56	MG	1A	3774	1/1	0.95	0.14	39,39,39,39	0
56	MG	2A	3057	1/1	0.95	0.20	52,52,52,52	0
56	MG	2A	3582	1/1	0.95	0.06	49,49,49,49	0
56	MG	1A	3138	1/1	0.95	0.10	36,36,36,36	0
56	MG	2A	3587	1/1	0.95	0.07	45,45,45,45	0
56	MG	1A	3633	1/1	0.95	0.19	45,45,45,45	0
56	MG	2A	3592	1/1	0.95	0.05	28,28,28,28	0
56	MG	1A	3508	1/1	0.95	0.09	19,19,19,19	0
56	MG	10	103	1/1	0.95	0.09	47,47,47,47	0
56	MG	1a	3164	1/1	0.95	0.11	56,56,56,56	0
56	MG	1A	3102	1/1	0.95	0.15	25,25,25,25	0
56	MG	2A	3296	1/1	0.95	0.21	43,43,43,43	0
56	MG	1A	3369	1/1	0.95	0.11	42,42,42,42	0
56	MG	1A	3516	1/1	0.95	0.13	48,48,48,48	0
56	MG	2A	3069	1/1	0.95	0.28	49,49,49,49	0
56	MG	2A	3303	1/1	0.95	0.15	46,46,46,46	0
56	MG	1A	3150	1/1	0.95	0.08	44,44,44,44	0
56	MG	1a	3171	1/1	0.95	0.08	71,71,71,71	0
56	MG	11	101	1/1	0.95	0.08	37,37,37,37	0
56	MG	2A	3616	1/1	0.95	0.14	48,48,48,48	0
56	MG	1A	3371	1/1	0.95	0.08	32,32,32,32	0
56	MG	1A	3152	1/1	0.95	0.35	32,32,32,32	0
56	MG	1A	3792	1/1	0.95	0.06	32,32,32,32	0
56	MG	2A	3622	1/1	0.95	0.09	64,64,64,64	0
56	MG	1A	3103	1/1	0.95	0.42	37,37,37,37	0
56	MG	13	103	1/1	0.95	0.07	62,62,62,62	0
56	MG	1A	3279	1/1	0.95	0.12	42,42,42,42	0
56	MG	15	3102	1/1	0.95	0.17	30,30,30,30	0
56	MG	1A	3530	1/1	0.95	0.09	37,37,37,37	0
56	MG	1A	3974	1/1	0.95	0.11	47,47,47,47	0
56	MG	1A	3652	1/1	0.95	0.10	53,53,53,53	0
56	MG	17	103	1/1	0.95	0.18	31,31,31,31	0
56	MG	1A	3653	1/1	0.95	0.24	52,52,52,52	0
56	MG	1A	3531	1/1	0.95	0.09	56,56,56,56	0
56	MG	2A	3651	1/1	0.95	0.05	65,65,65,65	0
56	MG	2a	3154	1/1	0.95	0.06	67,67,67,67	0
56	MG	2a	3155	1/1	0.95	0.05	74,74,74,74	0
56	MG	2A	3340	1/1	0.95	0.10	50,50,50,50	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3654	1/1	0.95	0.07	65,65,65,65	0
56	MG	2a	3160	1/1	0.95	0.06	51,51,51,51	0
56	MG	2A	3092	1/1	0.95	0.06	45,45,45,45	0
56	MG	2a	3162	1/1	0.95	0.07	46,46,46,46	0
56	MG	2A	3661	1/1	0.95	0.06	29,29,29,29	0
56	MG	1A	3283	1/1	0.95	0.15	32,32,32,32	0
56	MG	2A	3664	1/1	0.95	0.06	42,42,42,42	0
56	MG	2A	3346	1/1	0.95	0.09	39,39,39,39	0
56	MG	2A	3348	1/1	0.95	0.07	29,29,29,29	0
56	MG	18	102	1/1	0.95	0.06	33,33,33,33	0
56	MG	2A	3673	1/1	0.95	0.13	48,48,48,48	0
56	MG	2A	3676	1/1	0.95	0.06	45,45,45,45	0
56	MG	2A	3679	1/1	0.95	0.06	35,35,35,35	0
56	MG	1A	3074	1/1	0.95	0.11	37,37,37,37	0
56	MG	2A	3681	1/1	0.95	0.13	52,52,52,52	0
56	MG	2A	3356	1/1	0.95	0.10	29,29,29,29	0
56	MG	2a	3183	1/1	0.95	0.08	76,76,76,76	0
56	MG	1A	3107	1/1	0.95	0.26	31,31,31,31	0
56	MG	1A	3058	1/1	0.95	0.13	46,46,46,46	0
56	MG	1A	3400	1/1	0.95	0.10	25,25,25,25	0
56	MG	2A	3101	1/1	0.95	0.16	39,39,39,39	0
56	MG	2A	3689	1/1	0.95	0.08	48,48,48,48	0
56	MG	1a	3006	1/1	0.95	0.16	47,47,47,47	0
56	MG	1A	3549	1/1	0.95	0.06	39,39,39,39	0
56	MG	2A	3371	1/1	0.95	0.06	30,30,30,30	0
56	MG	1A	3818	1/1	0.95	0.16	28,28,28,28	0
56	MG	2r	101	1/1	0.95	0.06	61,61,61,61	0
56	MG	2A	3695	1/1	0.95	0.10	66,66,66,66	0
56	MG	1a	3009	1/1	0.95	0.06	49,49,49,49	0
57	SPS	2x	103	23/23	0.95	0.11	37,48,55,69	0
56	MG	2A	3375	1/1	0.95	0.08	46,46,46,46	0
56	MG	2A	3111	1/1	0.95	0.05	37,37,37,37	0
56	MG	1A	3165	1/1	0.95	0.07	30,30,30,30	0
56	MG	1A	3551	1/1	0.95	0.10	52,52,52,52	0
56	MG	1A	3821	1/1	0.95	0.07	29,29,29,29	0
56	MG	2A	3381	1/1	0.95	0.09	47,47,47,47	0
60	ZN	24	501	1/1	0.95	0.12	134,134,134,134	0
61	MRD	18	104	8/8	0.95	0.10	23,29,36,42	0
56	MG	1A	3833	1/1	0.96	0.10	39,39,39,39	0
56	MG	1A	3267	1/1	0.96	0.26	52,52,52,52	0
56	MG	2A	3007	1/1	0.96	0.10	33,33,33,33	0
56	MG	2A	3009	1/1	0.96	0.09	37,37,37,37	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1a	3091	1/1	0.96	0.11	41,41,41,41	0
56	MG	1a	3092	1/1	0.96	0.08	46,46,46,46	0
56	MG	2A	3014	1/1	0.96	0.07	39,39,39,39	0
56	MG	1A	3837	1/1	0.96	0.10	37,37,37,37	0
56	MG	2A	3295	1/1	0.96	0.27	51,51,51,51	0
56	MG	2A	3016	1/1	0.96	0.20	42,42,42,42	0
56	MG	2A	3667	1/1	0.96	0.05	34,34,34,34	0
56	MG	2A	3018	1/1	0.96	0.19	40,40,40,40	0
56	MG	2A	3671	1/1	0.96	0.08	34,34,34,34	0
56	MG	2A	3299	1/1	0.96	0.07	42,42,42,42	0
56	MG	2A	3300	1/1	0.96	0.23	44,44,44,44	0
56	MG	1A	3528	1/1	0.96	0.09	25,25,25,25	0
56	MG	1A	3668	1/1	0.96	0.06	46,46,46,46	0
56	MG	1A	3018	1/1	0.96	0.10	24,24,24,24	0
56	MG	2A	3025	1/1	0.96	0.10	38,38,38,38	0
56	MG	2A	3026	1/1	0.96	0.08	43,43,43,43	0
56	MG	2A	3684	1/1	0.96	0.07	57,57,57,57	0
56	MG	1A	3140	1/1	0.96	0.07	29,29,29,29	0
56	MG	1a	3098	1/1	0.96	0.19	40,40,40,40	0
56	MG	1A	3671	1/1	0.96	0.08	31,31,31,31	0
56	MG	2A	3311	1/1	0.96	0.06	28,28,28,28	0
56	MG	2A	3032	1/1	0.96	0.12	49,49,49,49	0
56	MG	2A	3316	1/1	0.96	0.06	39,39,39,39	0
56	MG	1D	309	1/1	0.96	0.08	43,43,43,43	0
56	MG	1A	3532	1/1	0.96	0.11	42,42,42,42	0
56	MG	2A	3035	1/1	0.96	0.13	53,53,53,53	0
56	MG	1a	3102	1/1	0.96	0.20	54,54,54,54	0
56	MG	2A	3323	1/1	0.96	0.06	49,49,49,49	0
56	MG	2A	3698	1/1	0.96	0.06	41,41,41,41	0
56	MG	2A	3325	1/1	0.96	0.06	32,32,32,32	0
56	MG	1A	3673	1/1	0.96	0.14	57,57,57,57	0
56	MG	2A	3702	1/1	0.96	0.12	56,56,56,56	0
56	MG	1a	3104	1/1	0.96	0.12	53,53,53,53	0
56	MG	1A	3674	1/1	0.96	0.04	41,41,41,41	0
56	MG	1A	3850	1/1	0.96	0.07	27,27,27,27	0
56	MG	1a	3107	1/1	0.96	0.10	40,40,40,40	0
56	MG	2A	3337	1/1	0.96	0.10	34,34,34,34	0
56	MG	1A	3375	1/1	0.96	0.09	42,42,42,42	0
56	MG	2A	3710	1/1	0.96	0.13	36,36,36,36	0
56	MG	1A	3536	1/1	0.96	0.07	25,25,25,25	0
56	MG	1E	305	1/1	0.96	0.10	13,13,13,13	0
56	MG	2A	3713	1/1	0.96	0.11	53,53,53,53	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3049	1/1	0.96	0.11	56,56,56,56	0
56	MG	1a	3112	1/1	0.96	0.09	49,49,49,49	0
56	MG	1A	3854	1/1	0.96	0.06	36,36,36,36	0
56	MG	1E	307	1/1	0.96	0.12	30,30,30,30	0
56	MG	2A	3352	1/1	0.96	0.08	26,26,26,26	0
56	MG	1A	3855	1/1	0.96	0.08	51,51,51,51	0
56	MG	2A	3720	1/1	0.96	0.09	64,64,64,64	0
56	MG	1A	3108	1/1	0.96	0.09	50,50,50,50	0
56	MG	2A	3357	1/1	0.96	0.05	44,44,44,44	0
56	MG	2A	3358	1/1	0.96	0.08	34,34,34,34	0
56	MG	2A	3359	1/1	0.96	0.07	22,22,22,22	0
56	MG	1A	3377	1/1	0.96	0.07	35,35,35,35	0
56	MG	2A	3726	1/1	0.96	0.05	42,42,42,42	0
56	MG	1F	309	1/1	0.96	0.20	28,28,28,28	0
56	MG	2A	3059	1/1	0.96	0.20	60,60,60,60	0
56	MG	1A	3379	1/1	0.96	0.09	40,40,40,40	0
56	MG	1F	312	1/1	0.96	0.14	25,25,25,25	0
56	MG	1A	3682	1/1	0.96	0.08	25,25,25,25	0
56	MG	1A	3543	1/1	0.96	0.09	30,30,30,30	0
56	MG	1A	3544	1/1	0.96	0.16	42,42,42,42	0
56	MG	1A	3546	1/1	0.96	0.14	48,48,48,48	0
56	MG	1A	3147	1/1	0.96	0.22	26,26,26,26	0
56	MG	1a	3132	1/1	0.96	0.11	48,48,48,48	0
56	MG	1A	3197	1/1	0.96	0.19	34,34,34,34	0
56	MG	1F	321	1/1	0.96	0.04	41,41,41,41	0
56	MG	1A	3384	1/1	0.96	0.07	26,26,26,26	0
56	MG	1A	3693	1/1	0.96	0.21	32,32,32,32	0
56	MG	1a	3139	1/1	0.96	0.15	43,43,43,43	0
56	MG	1A	3385	1/1	0.96	0.06	26,26,26,26	0
56	MG	2A	3078	1/1	0.96	0.08	39,39,39,39	0
56	MG	1A	3198	1/1	0.96	0.12	35,35,35,35	0
56	MG	1A	3109	1/1	0.96	0.38	27,27,27,27	0
56	MG	1A	3151	1/1	0.96	0.15	50,50,50,50	0
56	MG	1A	3037	1/1	0.96	0.12	41,41,41,41	0
56	MG	2D	308	1/1	0.96	0.14	36,36,36,36	0
56	MG	2A	3393	1/1	0.96	0.12	51,51,51,51	0
56	MG	1A	3153	1/1	0.96	0.10	34,34,34,34	0
56	MG	2D	311	1/1	0.96	0.07	52,52,52,52	0
56	MG	2A	3084	1/1	0.96	0.09	52,52,52,52	0
56	MG	1A	3285	1/1	0.96	0.09	43,43,43,43	0
56	MG	2A	3400	1/1	0.96	0.14	49,49,49,49	0
56	MG	2A	3401	1/1	0.96	0.07	29,29,29,29	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	3157	1/1	0.96	0.12	42,42,42,42	0
56	MG	1P	201	1/1	0.96	0.21	32,32,32,32	0
56	MG	2A	3404	1/1	0.96	0.05	45,45,45,45	0
56	MG	2A	3089	1/1	0.96	0.12	35,35,35,35	0
56	MG	2F	304	1/1	0.96	0.21	42,42,42,42	0
56	MG	1a	3150	1/1	0.96	0.06	35,35,35,35	0
56	MG	1A	3407	1/1	0.96	0.12	42,42,42,42	0
56	MG	2G	203	1/1	0.96	0.07	66,66,66,66	0
56	MG	1A	3111	1/1	0.96	0.12	37,37,37,37	0
56	MG	2A	3410	1/1	0.96	0.11	58,58,58,58	0
56	MG	1P	204	1/1	0.96	0.12	44,44,44,44	0
56	MG	2A	3414	1/1	0.96	0.11	41,41,41,41	0
56	MG	1A	3410	1/1	0.96	0.08	25,25,25,25	0
56	MG	2A	3417	1/1	0.96	0.11	32,32,32,32	0
56	MG	2Q	203	1/1	0.96	0.07	59,59,59,59	0
56	MG	1Q	203	1/1	0.96	0.04	33,33,33,33	0
56	MG	1a	3157	1/1	0.96	0.10	45,45,45,45	0
56	MG	1R	203	1/1	0.96	0.09	47,47,47,47	0
56	MG	1A	3570	1/1	0.96	0.07	34,34,34,34	0
56	MG	1A	3711	1/1	0.96	0.06	30,30,30,30	0
56	MG	1A	3911	1/1	0.96	0.12	30,30,30,30	0
56	MG	1A	3713	1/1	0.96	0.36	30,30,30,30	0
56	MG	2V	203	1/1	0.96	0.17	61,61,61,61	0
56	MG	1a	3163	1/1	0.96	0.09	66,66,66,66	0
56	MG	2A	3109	1/1	0.96	0.06	46,46,46,46	0
56	MG	1A	3411	1/1	0.96	0.06	42,42,42,42	0
56	MG	2X	101	1/1	0.96	0.05	45,45,45,45	0
56	MG	2X	102	1/1	0.96	0.13	51,51,51,51	0
56	MG	1A	3208	1/1	0.96	0.13	49,49,49,49	0
56	MG	1A	3573	1/1	0.96	0.11	22,22,22,22	0
56	MG	1A	3209	1/1	0.96	0.07	39,39,39,39	0
56	MG	2A	3433	1/1	0.96	0.12	46,46,46,46	0
56	MG	2A	3434	1/1	0.96	0.22	44,44,44,44	0
56	MG	1A	3094	1/1	0.96	0.06	20,20,20,20	0
56	MG	1A	3419	1/1	0.96	0.08	27,27,27,27	0
56	MG	1A	3212	1/1	0.96	0.08	37,37,37,37	0
56	MG	1A	3580	1/1	0.96	0.07	42,42,42,42	0
56	MG	1A	3583	1/1	0.96	0.06	40,40,40,40	0
56	MG	1A	3424	1/1	0.96	0.05	18,18,18,18	0
56	MG	1A	3729	1/1	0.96	0.22	36,36,36,36	0
56	MG	2A	3444	1/1	0.96	0.09	28,28,28,28	0
56	MG	1A	3095	1/1	0.96	0.06	36,36,36,36	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3124	1/1	0.96	0.20	37,37,37,37	0
56	MG	1A	3933	1/1	0.96	0.05	45,45,45,45	0
56	MG	2a	3004	1/1	0.96	0.12	42,42,42,42	0
56	MG	2A	3449	1/1	0.96	0.06	42,42,42,42	0
56	MG	1A	3117	1/1	0.96	0.09	29,29,29,29	0
56	MG	1A	3021	1/1	0.96	0.09	28,28,28,28	0
56	MG	1A	3735	1/1	0.96	0.11	45,45,45,45	0
56	MG	1A	3588	1/1	0.96	0.14	50,50,50,50	0
56	MG	1a	3186	1/1	0.96	0.06	67,67,67,67	0
56	MG	1A	3939	1/1	0.96	0.07	37,37,37,37	0
56	MG	2A	3133	1/1	0.96	0.14	65,65,65,65	0
56	MG	1A	3737	1/1	0.96	0.05	29,29,29,29	0
56	MG	1A	3097	1/1	0.96	0.10	32,32,32,32	0
56	MG	11	103	1/1	0.96	0.13	46,46,46,46	0
56	MG	1A	3221	1/1	0.96	0.25	68,68,68,68	0
56	MG	1A	3004	1/1	0.96	0.06	36,36,36,36	0
56	MG	1A	3305	1/1	0.96	0.08	39,39,39,39	0
56	MG	1A	3743	1/1	0.96	0.06	30,30,30,30	0
56	MG	1A	3123	1/1	0.96	0.29	46,46,46,46	0
56	MG	1A	3228	1/1	0.96	0.60	32,32,32,32	0
56	MG	2a	3028	1/1	0.96	0.11	59,59,59,59	0
56	MG	1A	3170	1/1	0.96	0.10	28,28,28,28	0
56	MG	2a	3030	1/1	0.96	0.11	75,75,75,75	0
56	MG	2a	3031	1/1	0.96	0.15	46,46,46,46	0
56	MG	1A	3750	1/1	0.96	0.09	27,27,27,27	0
56	MG	1A	3953	1/1	0.96	0.06	65,65,65,65	0
56	MG	1A	3313	1/1	0.96	0.10	19,19,19,19	0
56	MG	1A	3124	1/1	0.96	0.12	36,36,36,36	0
56	MG	2a	3036	1/1	0.96	0.10	68,68,68,68	0
56	MG	17	106	1/1	0.96	0.13	44,44,44,44	0
56	MG	1A	3753	1/1	0.96	0.07	33,33,33,33	0
56	MG	1A	3755	1/1	0.96	0.08	32,32,32,32	0
56	MG	1A	3599	1/1	0.96	0.11	38,38,38,38	0
56	MG	2A	3154	1/1	0.96	0.10	39,39,39,39	0
56	MG	1A	3234	1/1	0.96	0.33	29,29,29,29	0
56	MG	2a	3043	1/1	0.96	0.20	54,54,54,54	0
56	MG	2A	3156	1/1	0.96	0.09	58,58,58,58	0
56	MG	1A	3450	1/1	0.96	0.04	55,55,55,55	0
56	MG	1A	3172	1/1	0.96	0.09	32,32,32,32	0
56	MG	1A	3963	1/1	0.96	0.05	27,27,27,27	0
56	MG	1a	3005	1/1	0.96	0.06	53,53,53,53	0
56	MG	1A	3322	1/1	0.96	0.08	53,53,53,53	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	3125	1/1	0.96	0.14	47,47,47,47	0
56	MG	2A	3488	1/1	0.96	0.05	34,34,34,34	0
56	MG	1A	3971	1/1	0.96	0.05	48,48,48,48	0
56	MG	2A	3169	1/1	0.96	0.16	39,39,39,39	0
56	MG	1a	3219	1/1	0.96	0.06	64,64,64,64	0
56	MG	2A	3171	1/1	0.96	0.09	39,39,39,39	0
56	MG	1A	3972	1/1	0.96	0.08	48,48,48,48	0
56	MG	1a	3011	1/1	0.96	0.13	42,42,42,42	0
56	MG	1A	3241	1/1	0.96	0.11	44,44,44,44	0
56	MG	1A	3610	1/1	0.96	0.11	34,34,34,34	0
56	MG	2A	3177	1/1	0.96	0.15	54,54,54,54	0
56	MG	1A	3765	1/1	0.96	0.05	32,32,32,32	0
56	MG	2A	3505	1/1	0.96	0.15	59,59,59,59	0
56	MG	1A	3127	1/1	0.96	0.15	59,59,59,59	0
56	MG	1a	3229	1/1	0.96	0.07	49,49,49,49	0
56	MG	1A	3978	1/1	0.96	0.11	29,29,29,29	0
56	MG	1A	3771	1/1	0.96	0.09	41,41,41,41	0
56	MG	1a	3233	1/1	0.96	0.10	39,39,39,39	0
56	MG	1a	3019	1/1	0.96	0.07	52,52,52,52	0
56	MG	1A	3468	1/1	0.96	0.08	32,32,32,32	0
56	MG	1A	3469	1/1	0.96	0.08	41,41,41,41	0
56	MG	2a	3073	1/1	0.96	0.12	33,33,33,33	0
56	MG	2a	3074	1/1	0.96	0.16	49,49,49,49	0
56	MG	1A	3176	1/1	0.96	0.04	42,42,42,42	0
56	MG	1A	3334	1/1	0.96	0.15	27,27,27,27	0
56	MG	1a	3239	1/1	0.96	0.06	49,49,49,49	0
56	MG	1A	3247	1/1	0.96	0.13	28,28,28,28	0
56	MG	1A	3622	1/1	0.96	0.06	42,42,42,42	0
56	MG	2A	3519	1/1	0.96	0.06	48,48,48,48	0
56	MG	1A	3248	1/1	0.96	0.07	32,32,32,32	0
56	MG	2a	3084	1/1	0.96	0.10	60,60,60,60	0
56	MG	1a	3032	1/1	0.96	0.14	57,57,57,57	0
56	MG	2A	3198	1/1	0.96	0.25	47,47,47,47	0
56	MG	1A	3477	1/1	0.96	0.08	40,40,40,40	0
56	MG	2a	3089	1/1	0.96	0.18	53,53,53,53	0
56	MG	1A	3784	1/1	0.96	0.09	26,26,26,26	0
56	MG	1A	3338	1/1	0.96	0.05	29,29,29,29	0
56	MG	1A	3341	1/1	0.96	0.11	35,35,35,35	0
56	MG	2A	3528	1/1	0.96	0.07	48,48,48,48	0
56	MG	1a	3252	1/1	0.96	0.07	60,60,60,60	0
56	MG	2a	3095	1/1	0.96	0.24	46,46,46,46	0
56	MG	1a	3253	1/1	0.96	0.13	43,43,43,43	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3206	1/1	0.96	0.26	31,31,31,31	0
56	MG	2a	3098	1/1	0.96	0.24	46,46,46,46	0
56	MG	2A	3207	1/1	0.96	0.07	50,50,50,50	0
56	MG	1A	3629	1/1	0.96	0.10	28,28,28,28	0
56	MG	1A	3788	1/1	0.96	0.23	50,50,50,50	0
56	MG	1A	3789	1/1	0.96	0.14	52,52,52,52	0
56	MG	1a	3257	1/1	0.96	0.06	47,47,47,47	0
56	MG	2a	3107	1/1	0.96	0.24	41,41,41,41	0
56	MG	1A	3790	1/1	0.96	0.09	39,39,39,39	0
56	MG	2a	3109	1/1	0.96	0.25	55,55,55,55	0
56	MG	1A	3344	1/1	0.96	0.07	18,18,18,18	0
56	MG	1A	3345	1/1	0.96	0.05	38,38,38,38	0
56	MG	1A	3798	1/1	0.96	0.06	43,43,43,43	0
56	MG	1A	3799	1/1	0.96	0.08	42,42,42,42	0
56	MG	1A	3128	1/1	0.96	0.05	30,30,30,30	0
56	MG	1a	3049	1/1	0.96	0.18	63,63,63,63	0
56	MG	1a	3050	1/1	0.96	0.08	39,39,39,39	0
56	MG	2a	3124	1/1	0.96	0.07	71,71,71,71	0
56	MG	1A	4008	1/1	0.96	0.06	31,31,31,31	0
56	MG	1A	3496	1/1	0.96	0.10	38,38,38,38	0
56	MG	1A	3353	1/1	0.96	0.10	13,13,13,13	0
56	MG	1A	3636	1/1	0.96	0.10	22,22,22,22	0
56	MG	1A	4016	1/1	0.96	0.10	47,47,47,47	0
56	MG	1A	3638	1/1	0.96	0.14	44,44,44,44	0
56	MG	1b	301	1/1	0.96	0.07	70,70,70,70	0
56	MG	1A	3806	1/1	0.96	0.12	31,31,31,31	0
56	MG	2A	3235	1/1	0.96	0.07	45,45,45,45	0
56	MG	2A	3563	1/1	0.96	0.09	51,51,51,51	0
56	MG	1d	302	1/1	0.96	0.22	59,59,59,59	0
56	MG	1A	4020	1/1	0.96	0.06	30,30,30,30	0
56	MG	1A	3498	1/1	0.96	0.05	32,32,32,32	0
56	MG	2A	3567	1/1	0.96	0.07	34,34,34,34	0
56	MG	2A	3239	1/1	0.96	0.15	49,49,49,49	0
56	MG	2A	3241	1/1	0.96	0.25	31,31,31,31	0
56	MG	2A	3242	1/1	0.96	0.15	44,44,44,44	0
56	MG	1A	3084	1/1	0.96	0.21	33,33,33,33	0
56	MG	2A	3578	1/1	0.96	0.06	34,34,34,34	0
56	MG	2A	3579	1/1	0.96	0.06	50,50,50,50	0
56	MG	2a	3150	1/1	0.96	0.06	62,62,62,62	0
56	MG	2a	3152	1/1	0.96	0.12	53,53,53,53	0
56	MG	2A	3580	1/1	0.96	0.07	53,53,53,53	0
56	MG	1a	3064	1/1	0.96	0.12	65,65,65,65	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1B	202	1/1	0.96	0.07	47,47,47,47	0
56	MG	1A	3809	1/1	0.96	0.10	37,37,37,37	0
56	MG	2a	3158	1/1	0.96	0.05	56,56,56,56	0
56	MG	2A	3585	1/1	0.96	0.06	44,44,44,44	0
56	MG	1a	3067	1/1	0.96	0.08	58,58,58,58	0
56	MG	1A	3254	1/1	0.96	0.06	40,40,40,40	0
56	MG	2A	3249	1/1	0.96	0.07	37,37,37,37	0
56	MG	2a	3164	1/1	0.96	0.13	62,62,62,62	0
56	MG	1a	3070	1/1	0.96	0.04	57,57,57,57	0
56	MG	1A	3504	1/1	0.96	0.07	48,48,48,48	0
56	MG	1k	201	1/1	0.96	0.14	38,38,38,38	0
56	MG	2A	3597	1/1	0.96	0.05	48,48,48,48	0
56	MG	1A	3007	1/1	0.96	0.11	32,32,32,32	0
56	MG	1A	3257	1/1	0.96	0.09	40,40,40,40	0
56	MG	1B	208	1/1	0.96	0.06	38,38,38,38	0
56	MG	2A	3258	1/1	0.96	0.06	14,14,14,14	0
56	MG	2a	3175	1/1	0.96	0.11	68,68,68,68	0
56	MG	1A	3184	1/1	0.96	0.29	36,36,36,36	0
56	MG	2A	3605	1/1	0.96	0.07	44,44,44,44	0
56	MG	2a	3180	1/1	0.96	0.06	64,64,64,64	0
56	MG	1a	3077	1/1	0.96	0.23	55,55,55,55	0
56	MG	2a	3182	1/1	0.96	0.06	67,67,67,67	0
56	MG	2A	3609	1/1	0.96	0.15	46,46,46,46	0
56	MG	1A	3510	1/1	0.96	0.05	35,35,35,35	0
56	MG	2A	3612	1/1	0.96	0.13	49,49,49,49	0
56	MG	1A	3133	1/1	0.96	0.13	32,32,32,32	0
56	MG	1a	3080	1/1	0.96	0.17	42,42,42,42	0
56	MG	2A	3615	1/1	0.96	0.10	55,55,55,55	0
56	MG	1A	3364	1/1	0.96	0.08	29,29,29,29	0
56	MG	1A	3515	1/1	0.96	0.07	17,17,17,17	0
56	MG	2n	101	1/1	0.96	0.26	56,56,56,56	0
56	MG	1A	3008	1/1	0.96	0.07	35,35,35,35	0
56	MG	2A	3270	1/1	0.96	0.16	47,47,47,47	0
56	MG	2A	3272	1/1	0.96	0.17	22,22,22,22	0
56	MG	1A	3262	1/1	0.96	0.06	27,27,27,27	0
56	MG	1A	3017	1/1	0.96	0.43	26,26,26,26	0
56	MG	2A	3276	1/1	0.96	0.13	45,45,45,45	0
56	MG	1y	203	1/1	0.96	0.07	65,65,65,65	0
56	MG	1x	101	1/1	0.96	0.07	46,46,46,46	0
56	MG	1A	3075	1/1	0.96	0.25	39,39,39,39	0
56	MG	2A	3640	1/1	0.96	0.07	37,37,37,37	0
56	MG	1A	3190	1/1	0.96	0.08	36,36,36,36	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3643	1/1	0.96	0.09	45,45,45,45	0
56	MG	1A	3664	1/1	0.96	0.08	54,54,54,54	0
56	MG	2A	3003	1/1	0.96	0.13	63,63,63,63	0
56	MG	1A	3745	1/1	0.97	0.06	16,16,16,16	0
56	MG	2A	3345	1/1	0.97	0.06	24,24,24,24	0
56	MG	1U	207	1/1	0.97	0.10	46,46,46,46	0
56	MG	1A	3746	1/1	0.97	0.10	28,28,28,28	0
56	MG	2A	3349	1/1	0.97	0.06	54,54,54,54	0
56	MG	1A	3361	1/1	0.97	0.04	19,19,19,19	0
56	MG	1A	3487	1/1	0.97	0.05	52,52,52,52	0
56	MG	1A	3606	1/1	0.97	0.18	40,40,40,40	0
56	MG	1A	3269	1/1	0.97	0.07	24,24,24,24	0
56	MG	1A	3609	1/1	0.97	0.21	24,24,24,24	0
56	MG	1a	3168	1/1	0.97	0.11	57,57,57,57	0
56	MG	1a	3169	1/1	0.97	0.04	39,39,39,39	0
56	MG	1A	3491	1/1	0.97	0.05	46,46,46,46	0
56	MG	2A	3361	1/1	0.97	0.14	51,51,51,51	0
56	MG	1A	3206	1/1	0.97	0.18	35,35,35,35	0
56	MG	2A	3363	1/1	0.97	0.06	27,27,27,27	0
56	MG	1a	3172	1/1	0.97	0.10	75,75,75,75	0
56	MG	2A	3703	1/1	0.97	0.12	38,38,38,38	0
56	MG	2A	3093	1/1	0.97	0.10	47,47,47,47	0
56	MG	1A	3754	1/1	0.97	0.24	32,32,32,32	0
56	MG	1A	3494	1/1	0.97	0.06	49,49,49,49	0
56	MG	1A	3055	1/1	0.97	0.13	35,35,35,35	0
56	MG	2A	3097	1/1	0.97	0.11	43,43,43,43	0
56	MG	1A	3614	1/1	0.97	0.23	43,43,43,43	0
56	MG	1A	3949	1/1	0.97	0.11	41,41,41,41	0
56	MG	1A	3169	1/1	0.97	0.12	29,29,29,29	0
56	MG	10	108	1/1	0.97	0.06	59,59,59,59	0
56	MG	2A	3102	1/1	0.97	0.13	48,48,48,48	0
56	MG	2A	3103	1/1	0.97	0.40	58,58,58,58	0
56	MG	1A	3134	1/1	0.97	0.07	33,33,33,33	0
56	MG	1a	3181	1/1	0.97	0.05	54,54,54,54	0
56	MG	1A	3617	1/1	0.97	0.05	36,36,36,36	0
56	MG	2A	3108	1/1	0.97	0.08	52,52,52,52	0
56	MG	1A	3618	1/1	0.97	0.09	10,10,10,10	0
56	MG	1A	3211	1/1	0.97	0.28	41,41,41,41	0
56	MG	1a	3185	1/1	0.97	0.05	74,74,74,74	0
56	MG	1A	3500	1/1	0.97	0.07	32,32,32,32	0
56	MG	1A	3764	1/1	0.97	0.07	20,20,20,20	0
56	MG	2A	3114	1/1	0.97	0.11	48,48,48,48	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3396	1/1	0.97	0.06	44,44,44,44	0
56	MG	1A	3502	1/1	0.97	0.09	24,24,24,24	0
56	MG	2A	3398	1/1	0.97	0.06	29,29,29,29	0
56	MG	1a	3189	1/1	0.97	0.10	42,42,42,42	0
56	MG	1A	3768	1/1	0.97	0.04	28,28,28,28	0
56	MG	1a	3191	1/1	0.97	0.12	73,73,73,73	0
56	MG	1A	3016	1/1	0.97	0.24	29,29,29,29	0
56	MG	1A	3770	1/1	0.97	0.08	18,18,18,18	0
56	MG	1A	3213	1/1	0.97	0.04	29,29,29,29	0
56	MG	1A	3962	1/1	0.97	0.05	39,39,39,39	0
56	MG	1A	3772	1/1	0.97	0.06	27,27,27,27	0
56	MG	1A	3214	1/1	0.97	0.10	31,31,31,31	0
56	MG	1A	3965	1/1	0.97	0.12	63,63,63,63	0
56	MG	2A	3409	1/1	0.97	0.09	34,34,34,34	0
56	MG	1A	3281	1/1	0.97	0.12	25,25,25,25	0
56	MG	1A	3282	1/1	0.97	0.25	26,26,26,26	0
56	MG	2A	3412	1/1	0.97	0.09	31,31,31,31	0
56	MG	2B	217	1/1	0.97	0.09	59,59,59,59	0
56	MG	2A	3413	1/1	0.97	0.06	30,30,30,30	0
56	MG	1A	3776	1/1	0.97	0.09	34,34,34,34	0
56	MG	1A	3009	1/1	0.97	0.11	25,25,25,25	0
56	MG	2D	304	1/1	0.97	0.42	36,36,36,36	0
56	MG	1A	3216	1/1	0.97	0.17	28,28,28,28	0
56	MG	1a	3002	1/1	0.97	0.06	52,52,52,52	0
56	MG	1A	3113	1/1	0.97	0.13	24,24,24,24	0
56	MG	1A	3098	1/1	0.97	0.08	41,41,41,41	0
56	MG	1A	3042	1/1	0.97	0.15	24,24,24,24	0
56	MG	2A	3422	1/1	0.97	0.06	48,48,48,48	0
56	MG	1A	3141	1/1	0.97	0.11	21,21,21,21	0
56	MG	1A	3223	1/1	0.97	0.10	41,41,41,41	0
56	MG	1A	3142	1/1	0.97	0.04	29,29,29,29	0
56	MG	2A	3426	1/1	0.97	0.10	39,39,39,39	0
56	MG	1A	3523	1/1	0.97	0.14	47,47,47,47	0
56	MG	1a	3010	1/1	0.97	0.13	44,44,44,44	0
56	MG	1A	3524	1/1	0.97	0.07	42,42,42,42	0
56	MG	1A	3525	1/1	0.97	0.06	18,18,18,18	0
56	MG	2A	3145	1/1	0.97	0.08	38,38,38,38	0
56	MG	1A	3646	1/1	0.97	0.06	37,37,37,37	0
56	MG	1A	3386	1/1	0.97	0.05	35,35,35,35	0
56	MG	1a	3220	1/1	0.97	0.21	74,74,74,74	0
56	MG	1A	3387	1/1	0.97	0.06	22,22,22,22	0
56	MG	1A	3797	1/1	0.97	0.12	34,34,34,34	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	3226	1/1	0.97	0.16	29,29,29,29	0
56	MG	1a	3224	1/1	0.97	0.13	46,46,46,46	0
56	MG	1A	3179	1/1	0.97	0.08	32,32,32,32	0
56	MG	2P	202	1/1	0.97	0.07	55,55,55,55	0
56	MG	1A	3651	1/1	0.97	0.08	39,39,39,39	0
56	MG	1A	3180	1/1	0.97	0.10	23,23,23,23	0
56	MG	1a	3023	1/1	0.97	0.06	58,58,58,58	0
56	MG	2R	201	1/1	0.97	0.06	44,44,44,44	0
56	MG	2R	202	1/1	0.97	0.09	33,33,33,33	0
56	MG	1A	3802	1/1	0.97	0.06	42,42,42,42	0
56	MG	2A	3158	1/1	0.97	0.11	45,45,45,45	0
56	MG	2A	3159	1/1	0.97	0.14	44,44,44,44	0
56	MG	1A	3297	1/1	0.97	0.16	38,38,38,38	0
56	MG	2A	3161	1/1	0.97	0.12	39,39,39,39	0
56	MG	1A	3997	1/1	0.97	0.07	48,48,48,48	0
56	MG	2A	3164	1/1	0.97	0.07	42,42,42,42	0
56	MG	1a	3028	1/1	0.97	0.23	54,54,54,54	0
56	MG	1a	3029	1/1	0.97	0.08	63,63,63,63	0
56	MG	1A	3231	1/1	0.97	0.11	29,29,29,29	0
56	MG	1A	3534	1/1	0.97	0.34	34,34,34,34	0
56	MG	1A	3535	1/1	0.97	0.05	52,52,52,52	0
56	MG	1A	4002	1/1	0.97	0.06	28,28,28,28	0
56	MG	1A	3181	1/1	0.97	0.11	29,29,29,29	0
56	MG	1A	3537	1/1	0.97	0.06	27,27,27,27	0
56	MG	1A	4005	1/1	0.97	0.04	30,30,30,30	0
56	MG	1A	4007	1/1	0.97	0.05	39,39,39,39	0
56	MG	1A	3659	1/1	0.97	0.04	27,27,27,27	0
56	MG	2I	101	1/1	0.97	0.07	43,43,43,43	0
56	MG	1A	4011	1/1	0.97	0.09	39,39,39,39	0
56	MG	2A	3178	1/1	0.97	0.10	53,53,53,53	0
56	MG	1A	3662	1/1	0.97	0.07	36,36,36,36	0
56	MG	1A	3811	1/1	0.97	0.12	39,39,39,39	0
56	MG	2A	3468	1/1	0.97	0.04	54,54,54,54	0
56	MG	1A	3404	1/1	0.97	0.09	54,54,54,54	0
56	MG	1A	3539	1/1	0.97	0.03	28,28,28,28	0
56	MG	1A	4017	1/1	0.97	0.09	45,45,45,45	0
56	MG	1A	3182	1/1	0.97	0.42	28,28,28,28	0
56	MG	2A	3473	1/1	0.97	0.11	51,51,51,51	0
56	MG	1a	3046	1/1	0.97	0.15	38,38,38,38	0
56	MG	1a	3047	1/1	0.97	0.17	42,42,42,42	0
56	MG	2A	3476	1/1	0.97	0.08	39,39,39,39	0
56	MG	2a	3006	1/1	0.97	0.05	50,50,50,50	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3189	1/1	0.97	0.09	61,61,61,61	0
56	MG	1a	3258	1/1	0.97	0.09	59,59,59,59	0
56	MG	1a	3259	1/1	0.97	0.12	61,61,61,61	0
56	MG	2A	3480	1/1	0.97	0.06	26,26,26,26	0
56	MG	2a	3011	1/1	0.97	0.08	44,44,44,44	0
56	MG	1a	3260	1/1	0.97	0.06	29,29,29,29	0
56	MG	2a	3013	1/1	0.97	0.23	47,47,47,47	0
56	MG	1a	3048	1/1	0.97	0.09	58,58,58,58	0
56	MG	1A	3667	1/1	0.97	0.07	38,38,38,38	0
56	MG	2a	3016	1/1	0.97	0.09	44,44,44,44	0
56	MG	1A	3303	1/1	0.97	0.15	48,48,48,48	0
56	MG	1A	3012	1/1	0.97	0.06	27,27,27,27	0
56	MG	2a	3019	1/1	0.97	0.06	54,54,54,54	0
56	MG	1A	4022	1/1	0.97	0.12	44,44,44,44	0
56	MG	1A	3119	1/1	0.97	0.10	17,17,17,17	0
56	MG	1A	3823	1/1	0.97	0.08	32,32,32,32	0
56	MG	1A	3824	1/1	0.97	0.04	36,36,36,36	0
56	MG	1A	3545	1/1	0.97	0.06	47,47,47,47	0
56	MG	2A	3202	1/1	0.97	0.06	46,46,46,46	0
56	MG	1A	3306	1/1	0.97	0.10	43,43,43,43	0
56	MG	1A	3236	1/1	0.97	0.07	32,32,32,32	0
56	MG	1a	3060	1/1	0.97	0.18	50,50,50,50	0
56	MG	2A	3498	1/1	0.97	0.12	46,46,46,46	0
56	MG	1A	3148	1/1	0.97	0.09	45,45,45,45	0
56	MG	1A	3149	1/1	0.97	0.10	28,28,28,28	0
56	MG	2A	3501	1/1	0.97	0.06	41,41,41,41	0
56	MG	1A	3312	1/1	0.97	0.12	46,46,46,46	0
56	MG	1A	3072	1/1	0.97	0.07	23,23,23,23	0
56	MG	1A	3422	1/1	0.97	0.09	22,22,22,22	0
56	MG	1B	213	1/1	0.97	0.05	33,33,33,33	0
56	MG	1a	3068	1/1	0.97	0.10	47,47,47,47	0
56	MG	1A	3680	1/1	0.97	0.18	68,68,68,68	0
56	MG	1A	3019	1/1	0.97	0.07	24,24,24,24	0
56	MG	1A	3244	1/1	0.97	0.28	41,41,41,41	0
56	MG	2A	3218	1/1	0.97	0.06	53,53,53,53	0
56	MG	1A	3020	1/1	0.97	0.25	37,37,37,37	0
56	MG	1A	3318	1/1	0.97	0.12	27,27,27,27	0
56	MG	2A	3221	1/1	0.97	0.07	55,55,55,55	0
56	MG	1a	3074	1/1	0.97	0.06	42,42,42,42	0
56	MG	1A	3560	1/1	0.97	0.11	40,40,40,40	0
56	MG	1A	3320	1/1	0.97	0.06	26,26,26,26	0
56	MG	2A	3225	1/1	0.97	0.12	49,49,49,49	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1B	223	1/1	0.97	0.09	44,44,44,44	0
56	MG	1A	3562	1/1	0.97	0.11	44,44,44,44	0
56	MG	1l	202	1/1	0.97	0.12	45,45,45,45	0
56	MG	1A	3104	1/1	0.97	0.12	26,26,26,26	0
56	MG	2A	3230	1/1	0.97	0.14	39,39,39,39	0
56	MG	1A	3692	1/1	0.97	0.06	55,55,55,55	0
56	MG	1A	3564	1/1	0.97	0.09	42,42,42,42	0
56	MG	1A	3694	1/1	0.97	0.11	49,49,49,49	0
56	MG	2A	3234	1/1	0.97	0.11	42,42,42,42	0
56	MG	1A	3566	1/1	0.97	0.07	32,32,32,32	0
56	MG	1D	301	1/1	0.97	0.23	26,26,26,26	0
56	MG	1o	101	1/1	0.97	0.17	66,66,66,66	0
56	MG	1D	302	1/1	0.97	0.18	31,31,31,31	0
56	MG	1D	303	1/1	0.97	0.13	38,38,38,38	0
56	MG	2A	3240	1/1	0.97	0.04	50,50,50,50	0
56	MG	1A	3853	1/1	0.97	0.07	34,34,34,34	0
56	MG	1A	3249	1/1	0.97	0.35	40,40,40,40	0
56	MG	1D	306	1/1	0.97	0.04	30,30,30,30	0
56	MG	1A	3697	1/1	0.97	0.11	32,32,32,32	0
56	MG	1A	3856	1/1	0.97	0.06	31,31,31,31	0
56	MG	1A	3568	1/1	0.97	0.09	32,32,32,32	0
56	MG	2A	3541	1/1	0.97	0.06	35,35,35,35	0
56	MG	1D	313	1/1	0.97	0.21	35,35,35,35	0
56	MG	1A	3860	1/1	0.97	0.05	48,48,48,48	0
56	MG	1A	3250	1/1	0.97	0.08	24,24,24,24	0
56	MG	1A	3863	1/1	0.97	0.09	41,41,41,41	0
56	MG	2a	3079	1/1	0.97	0.11	43,43,43,43	0
56	MG	2A	3251	1/1	0.97	0.06	41,41,41,41	0
56	MG	1E	301	1/1	0.97	0.16	31,31,31,31	0
56	MG	2A	3550	1/1	0.97	0.05	72,72,72,72	0
56	MG	2A	3253	1/1	0.97	0.05	52,52,52,52	0
56	MG	1A	3154	1/1	0.97	0.06	60,60,60,60	0
56	MG	1A	3329	1/1	0.97	0.06	16,16,16,16	0
56	MG	2A	3008	1/1	0.97	0.07	36,36,36,36	0
56	MG	1A	3330	1/1	0.97	0.07	18,18,18,18	0
56	MG	1A	3156	1/1	0.97	0.24	32,32,32,32	0
56	MG	1A	3445	1/1	0.97	0.05	50,50,50,50	0
56	MG	1A	3576	1/1	0.97	0.10	35,35,35,35	0
56	MG	1F	302	1/1	0.97	0.23	27,27,27,27	0
56	MG	2A	3262	1/1	0.97	0.07	33,33,33,33	0
56	MG	1F	304	1/1	0.97	0.17	30,30,30,30	0
56	MG	2A	3017	1/1	0.97	0.06	50,50,50,50	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1F	305	1/1	0.97	0.21	31,31,31,31	0
56	MG	1A	3872	1/1	0.97	0.05	45,45,45,45	0
56	MG	2A	3573	1/1	0.97	0.07	52,52,52,52	0
56	MG	2A	3268	1/1	0.97	0.14	29,29,29,29	0
56	MG	2A	3576	1/1	0.97	0.07	38,38,38,38	0
56	MG	2A	3021	1/1	0.97	0.07	42,42,42,42	0
56	MG	2A	3022	1/1	0.97	0.17	46,46,46,46	0
56	MG	1A	3875	1/1	0.97	0.08	53,53,53,53	0
56	MG	2a	3105	1/1	0.97	0.15	52,52,52,52	0
56	MG	1F	308	1/1	0.97	0.33	33,33,33,33	0
56	MG	1A	3195	1/1	0.97	0.05	51,51,51,51	0
56	MG	2A	3275	1/1	0.97	0.25	26,26,26,26	0
56	MG	1A	3078	1/1	0.97	0.07	34,34,34,34	0
56	MG	2A	3277	1/1	0.97	0.08	48,48,48,48	0
56	MG	2A	3586	1/1	0.97	0.05	28,28,28,28	0
56	MG	2a	3115	1/1	0.97	0.08	57,57,57,57	0
56	MG	2a	3116	1/1	0.97	0.08	45,45,45,45	0
56	MG	1A	3256	1/1	0.97	0.15	55,55,55,55	0
56	MG	2A	3589	1/1	0.97	0.14	52,52,52,52	0
56	MG	1A	3712	1/1	0.97	0.05	33,33,33,33	0
56	MG	1A	3451	1/1	0.97	0.13	38,38,38,38	0
56	MG	1A	3581	1/1	0.97	0.10	42,42,42,42	0
56	MG	2a	3125	1/1	0.97	0.16	67,67,67,67	0
56	MG	1A	3582	1/1	0.97	0.06	32,32,32,32	0
56	MG	2A	3595	1/1	0.97	0.05	38,38,38,38	0
56	MG	1F	318	1/1	0.97	0.29	45,45,45,45	0
56	MG	2A	3285	1/1	0.97	0.12	30,30,30,30	0
56	MG	1A	3452	1/1	0.97	0.10	34,34,34,34	0
56	MG	1A	3126	1/1	0.97	0.14	34,34,34,34	0
56	MG	1A	3889	1/1	0.97	0.08	38,38,38,38	0
56	MG	2a	3133	1/1	0.97	0.06	59,59,59,59	0
56	MG	2A	3039	1/1	0.97	0.14	41,41,41,41	0
56	MG	2A	3290	1/1	0.97	0.04	36,36,36,36	0
56	MG	1a	3125	1/1	0.97	0.12	63,63,63,63	0
56	MG	2A	3606	1/1	0.97	0.04	22,22,22,22	0
56	MG	2A	3607	1/1	0.97	0.13	15,15,15,15	0
56	MG	2A	3041	1/1	0.97	0.12	40,40,40,40	0
56	MG	1A	3457	1/1	0.97	0.07	49,49,49,49	0
56	MG	1A	3160	1/1	0.97	0.07	20,20,20,20	0
56	MG	1A	3343	1/1	0.97	0.06	34,34,34,34	0
56	MG	1A	3199	1/1	0.97	0.06	40,40,40,40	0
56	MG	2A	3297	1/1	0.97	0.12	35,35,35,35	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	3106	1/1	0.97	0.08	37,37,37,37	0
56	MG	2a	3146	1/1	0.97	0.10	65,65,65,65	0
56	MG	2a	3147	1/1	0.97	0.07	42,42,42,42	0
56	MG	2a	3148	1/1	0.97	0.11	52,52,52,52	0
56	MG	1a	3133	1/1	0.97	0.13	35,35,35,35	0
56	MG	1A	3726	1/1	0.97	0.09	30,30,30,30	0
56	MG	1N	201	1/1	0.97	0.18	38,38,38,38	0
56	MG	2A	3051	1/1	0.97	0.14	43,43,43,43	0
56	MG	1A	3727	1/1	0.97	0.09	58,58,58,58	0
56	MG	2A	3623	1/1	0.97	0.07	37,37,37,37	0
56	MG	2A	3624	1/1	0.97	0.05	56,56,56,56	0
56	MG	1A	3909	1/1	0.97	0.07	21,21,21,21	0
56	MG	2A	3627	1/1	0.97	0.05	57,57,57,57	0
56	MG	1A	3467	1/1	0.97	0.09	46,46,46,46	0
56	MG	2A	3630	1/1	0.97	0.05	52,52,52,52	0
56	MG	2A	3306	1/1	0.97	0.04	41,41,41,41	0
56	MG	1A	3347	1/1	0.97	0.05	26,26,26,26	0
56	MG	2A	3635	1/1	0.97	0.12	57,57,57,57	0
56	MG	2A	3636	1/1	0.97	0.03	40,40,40,40	0
56	MG	1A	3091	1/1	0.97	0.13	36,36,36,36	0
56	MG	1A	3352	1/1	0.97	0.05	24,24,24,24	0
56	MG	2A	3310	1/1	0.97	0.11	47,47,47,47	0
56	MG	1A	3918	1/1	0.97	0.07	47,47,47,47	0
56	MG	2a	3172	1/1	0.97	0.08	49,49,49,49	0
56	MG	2A	3313	1/1	0.97	0.11	20,20,20,20	0
56	MG	1A	3732	1/1	0.97	0.06	24,24,24,24	0
56	MG	2A	3646	1/1	0.97	0.12	29,29,29,29	0
56	MG	2A	3061	1/1	0.97	0.05	39,39,39,39	0
56	MG	1P	205	1/1	0.97	0.06	56,56,56,56	0
56	MG	2A	3650	1/1	0.97	0.07	17,17,17,17	0
56	MG	1A	3003	1/1	0.97	0.06	22,22,22,22	0
56	MG	2A	3319	1/1	0.97	0.05	29,29,29,29	0
56	MG	1A	3474	1/1	0.97	0.06	20,20,20,20	0
56	MG	2A	3655	1/1	0.97	0.05	51,51,51,51	0
56	MG	1R	201	1/1	0.97	0.18	30,30,30,30	0
56	MG	2a	3186	1/1	0.97	0.10	47,47,47,47	0
56	MG	2A	3660	1/1	0.97	0.07	41,41,41,41	0
56	MG	2A	3066	1/1	0.97	0.04	41,41,41,41	0
56	MG	2A	3662	1/1	0.97	0.05	49,49,49,49	0
56	MG	1R	202	1/1	0.97	0.14	31,31,31,31	0
56	MG	2A	3327	1/1	0.97	0.10	22,22,22,22	0
56	MG	2A	3328	1/1	0.97	0.05	34,34,34,34	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	3923	1/1	0.97	0.08	26,26,26,26	0
56	MG	1a	3152	1/1	0.97	0.07	53,53,53,53	0
56	MG	2A	3668	1/1	0.97	0.04	28,28,28,28	0
56	MG	2A	3669	1/1	0.97	0.11	61,61,61,61	0
56	MG	1A	3596	1/1	0.97	0.14	31,31,31,31	0
57	SPS	1A	4023	23/23	0.97	0.07	23,36,41,45	0
56	MG	1A	3080	1/1	0.97	0.09	32,32,32,32	0
56	MG	2A	3672	1/1	0.97	0.05	34,34,34,34	0
56	MG	1A	3265	1/1	0.97	0.11	24,24,24,24	0
56	MG	2A	3675	1/1	0.97	0.07	42,42,42,42	0
56	MG	2A	3336	1/1	0.97	0.16	46,46,46,46	0
56	MG	1A	3131	1/1	0.97	0.15	32,32,32,32	0
56	MG	1A	3359	1/1	0.97	0.07	45,45,45,45	0
60	ZN	15	3109	1/1	0.97	0.04	54,54,54,54	0
60	ZN	2Y	202	1/1	0.97	0.05	85,85,85,85	0
56	MG	1A	3479	1/1	0.97	0.08	32,32,32,32	0
60	ZN	2n	102	1/1	0.97	0.05	87,87,87,87	0
56	MG	1A	3132	1/1	0.97	0.20	22,22,22,22	0
56	MG	2E	302	1/1	0.98	0.10	40,40,40,40	0
56	MG	1A	3396	1/1	0.98	0.08	12,12,12,12	0
56	MG	2E	306	1/1	0.98	0.12	51,51,51,51	0
56	MG	1D	310	1/1	0.98	0.10	21,21,21,21	0
56	MG	1A	3482	1/1	0.98	0.11	18,18,18,18	0
56	MG	1D	312	1/1	0.98	0.17	26,26,26,26	0
56	MG	1A	3040	1/1	0.98	0.14	31,31,31,31	0
56	MG	1A	3575	1/1	0.98	0.07	24,24,24,24	0
56	MG	1A	3921	1/1	0.98	0.05	39,39,39,39	0
56	MG	1A	3484	1/1	0.98	0.07	20,20,20,20	0
56	MG	1A	3486	1/1	0.98	0.04	33,33,33,33	0
56	MG	1A	3783	1/1	0.98	0.08	36,36,36,36	0
56	MG	2A	3107	1/1	0.98	0.07	30,30,30,30	0
56	MG	1E	303	1/1	0.98	0.09	29,29,29,29	0
56	MG	2A	3520	1/1	0.98	0.09	33,33,33,33	0
56	MG	1A	3399	1/1	0.98	0.03	19,19,19,19	0
56	MG	1A	3926	1/1	0.98	0.05	29,29,29,29	0
56	MG	1A	3488	1/1	0.98	0.03	23,23,23,23	0
56	MG	1a	3062	1/1	0.98	0.10	51,51,51,51	0
56	MG	1A	3489	1/1	0.98	0.06	18,18,18,18	0
56	MG	1A	3332	1/1	0.98	0.10	13,13,13,13	0
56	MG	1A	3087	1/1	0.98	0.10	41,41,41,41	0
56	MG	1A	3120	1/1	0.98	0.13	22,22,22,22	0
56	MG	1A	3932	1/1	0.98	0.06	49,49,49,49	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3118	1/1	0.98	0.08	48,48,48,48	0
56	MG	2U	201	1/1	0.98	0.14	50,50,50,50	0
56	MG	1A	3073	1/1	0.98	0.09	30,30,30,30	0
56	MG	1a	3241	1/1	0.98	0.08	55,55,55,55	0
56	MG	2A	3312	1/1	0.98	0.04	34,34,34,34	0
56	MG	1A	3495	1/1	0.98	0.05	28,28,28,28	0
56	MG	1A	3793	1/1	0.98	0.10	20,20,20,20	0
56	MG	1A	3337	1/1	0.98	0.04	32,32,32,32	0
56	MG	1F	310	1/1	0.98	0.07	36,36,36,36	0
56	MG	1A	3795	1/1	0.98	0.04	35,35,35,35	0
56	MG	1A	3938	1/1	0.98	0.07	51,51,51,51	0
56	MG	2A	3320	1/1	0.98	0.04	41,41,41,41	0
56	MG	2A	3127	1/1	0.98	0.15	41,41,41,41	0
56	MG	1A	3405	1/1	0.98	0.05	18,18,18,18	0
56	MG	2A	3543	1/1	0.98	0.10	20,20,20,20	0
56	MG	2A	3544	1/1	0.98	0.04	38,38,38,38	0
56	MG	1A	3189	1/1	0.98	0.09	22,22,22,22	0
56	MG	1A	3689	1/1	0.98	0.07	43,43,43,43	0
56	MG	2A	3326	1/1	0.98	0.07	29,29,29,29	0
56	MG	1A	3253	1/1	0.98	0.08	30,30,30,30	0
56	MG	1A	3943	1/1	0.98	0.08	20,20,20,20	0
56	MG	1A	3408	1/1	0.98	0.04	25,25,25,25	0
56	MG	1A	3501	1/1	0.98	0.04	35,35,35,35	0
56	MG	2A	3552	1/1	0.98	0.05	45,45,45,45	0
56	MG	1A	3342	1/1	0.98	0.04	37,37,37,37	0
56	MG	2A	3333	1/1	0.98	0.08	29,29,29,29	0
56	MG	1A	3292	1/1	0.98	0.19	40,40,40,40	0
56	MG	2A	3556	1/1	0.98	0.03	21,21,21,21	0
56	MG	1A	3050	1/1	0.98	0.19	38,38,38,38	0
56	MG	2A	3558	1/1	0.98	0.05	41,41,41,41	0
56	MG	1A	3412	1/1	0.98	0.13	18,18,18,18	0
56	MG	1A	3698	1/1	0.98	0.08	44,44,44,44	0
56	MG	1A	3191	1/1	0.98	0.29	35,35,35,35	0
56	MG	2A	3339	1/1	0.98	0.08	43,43,43,43	0
56	MG	1A	3414	1/1	0.98	0.07	15,15,15,15	0
56	MG	1A	3509	1/1	0.98	0.12	23,23,23,23	0
56	MG	1A	3219	1/1	0.98	0.07	24,24,24,24	0
56	MG	2A	3344	1/1	0.98	0.05	40,40,40,40	0
56	MG	2A	3569	1/1	0.98	0.06	33,33,33,33	0
56	MG	2A	3570	1/1	0.98	0.04	23,23,23,23	0
56	MG	2A	3571	1/1	0.98	0.10	44,44,44,44	0
56	MG	2A	3144	1/1	0.98	0.07	35,35,35,35	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	3348	1/1	0.98	0.07	21,21,21,21	0
56	MG	2A	3347	1/1	0.98	0.07	34,34,34,34	0
56	MG	1A	3513	1/1	0.98	0.06	39,39,39,39	0
56	MG	1A	3814	1/1	0.98	0.10	15,15,15,15	0
56	MG	1A	3063	1/1	0.98	0.06	19,19,19,19	0
56	MG	2A	3351	1/1	0.98	0.05	40,40,40,40	0
56	MG	1A	3816	1/1	0.98	0.09	30,30,30,30	0
56	MG	2A	3353	1/1	0.98	0.04	30,30,30,30	0
56	MG	2A	3354	1/1	0.98	0.11	24,24,24,24	0
56	MG	2a	3027	1/1	0.98	0.11	51,51,51,51	0
56	MG	2A	3583	1/1	0.98	0.06	38,38,38,38	0
56	MG	1A	3420	1/1	0.98	0.09	27,27,27,27	0
56	MG	1A	3143	1/1	0.98	0.05	23,23,23,23	0
56	MG	1A	3709	1/1	0.98	0.05	23,23,23,23	0
56	MG	1A	3259	1/1	0.98	0.06	36,36,36,36	0
56	MG	2A	3588	1/1	0.98	0.04	64,64,64,64	0
56	MG	1A	3607	1/1	0.98	0.12	25,25,25,25	0
56	MG	1A	3966	1/1	0.98	0.10	39,39,39,39	0
56	MG	1A	3967	1/1	0.98	0.07	51,51,51,51	0
56	MG	1A	3300	1/1	0.98	0.10	23,23,23,23	0
56	MG	1A	3519	1/1	0.98	0.07	51,51,51,51	0
56	MG	2A	3364	1/1	0.98	0.06	25,25,25,25	0
56	MG	1A	3425	1/1	0.98	0.04	16,16,16,16	0
56	MG	1S	201	1/1	0.98	0.05	46,46,46,46	0
56	MG	2A	3368	1/1	0.98	0.06	37,37,37,37	0
56	MG	2A	3599	1/1	0.98	0.04	43,43,43,43	0
56	MG	1A	3355	1/1	0.98	0.04	15,15,15,15	0
56	MG	2A	3162	1/1	0.98	0.08	47,47,47,47	0
56	MG	1T	202	1/1	0.98	0.06	49,49,49,49	0
56	MG	1A	3716	1/1	0.98	0.05	15,15,15,15	0
56	MG	1a	3110	1/1	0.98	0.10	53,53,53,53	0
56	MG	2a	3049	1/1	0.98	0.18	52,52,52,52	0
56	MG	2A	3374	1/1	0.98	0.10	39,39,39,39	0
56	MG	1A	3428	1/1	0.98	0.04	21,21,21,21	0
56	MG	1A	3222	1/1	0.98	0.09	27,27,27,27	0
56	MG	1A	3977	1/1	0.98	0.07	33,33,33,33	0
56	MG	1U	205	1/1	0.98	0.19	30,30,30,30	0
56	MG	2A	3611	1/1	0.98	0.06	57,57,57,57	0
56	MG	2A	3379	1/1	0.98	0.05	35,35,35,35	0
56	MG	1A	3144	1/1	0.98	0.13	22,22,22,22	0
56	MG	1a	3116	1/1	0.98	0.06	27,27,27,27	0
56	MG	1A	3076	1/1	0.98	0.17	23,23,23,23	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	2A	3383	1/1	0.98	0.04	33,33,33,33	0
56	MG	2A	3173	1/1	0.98	0.04	34,34,34,34	0
56	MG	1V	201	1/1	0.98	0.07	28,28,28,28	0
56	MG	1V	202	1/1	0.98	0.09	32,32,32,32	0
56	MG	2A	3621	1/1	0.98	0.06	45,45,45,45	0
56	MG	1A	3834	1/1	0.98	0.04	22,22,22,22	0
56	MG	1V	204	1/1	0.98	0.03	34,34,34,34	0
56	MG	2A	3390	1/1	0.98	0.06	49,49,49,49	0
56	MG	2A	3625	1/1	0.98	0.07	59,59,59,59	0
56	MG	2A	3391	1/1	0.98	0.03	23,23,23,23	0
56	MG	2a	3070	1/1	0.98	0.06	54,54,54,54	0
56	MG	1a	3123	1/1	0.98	0.07	46,46,46,46	0
56	MG	2A	3628	1/1	0.98	0.06	66,66,66,66	0
56	MG	1o	103	1/1	0.98	0.04	55,55,55,55	0
56	MG	1A	3146	1/1	0.98	0.12	30,30,30,30	0
56	MG	1A	3836	1/1	0.98	0.09	42,42,42,42	0
56	MG	1A	3529	1/1	0.98	0.07	50,50,50,50	0
56	MG	2A	3633	1/1	0.98	0.06	28,28,28,28	0
56	MG	2A	3634	1/1	0.98	0.03	29,29,29,29	0
56	MG	1a	3127	1/1	0.98	0.07	27,27,27,27	0
56	MG	2A	3185	1/1	0.98	0.05	33,33,33,33	0
56	MG	1W	202	1/1	0.98	0.08	36,36,36,36	0
56	MG	2A	3638	1/1	0.98	0.04	44,44,44,44	0
56	MG	1A	3092	1/1	0.98	0.10	26,26,26,26	0
56	MG	2a	3085	1/1	0.98	0.09	55,55,55,55	0
56	MG	1A	3619	1/1	0.98	0.05	26,26,26,26	0
56	MG	1A	3841	1/1	0.98	0.04	60,60,60,60	0
56	MG	2A	3642	1/1	0.98	0.05	42,42,42,42	0
56	MG	1A	3842	1/1	0.98	0.07	41,41,41,41	0
56	MG	2A	3644	1/1	0.98	0.09	48,48,48,48	0
56	MG	1a	3134	1/1	0.98	0.04	49,49,49,49	0
56	MG	1A	3435	1/1	0.98	0.04	14,14,14,14	0
56	MG	2A	3004	1/1	0.98	0.08	35,35,35,35	0
56	MG	1A	3005	1/1	0.98	0.09	27,27,27,27	0
56	MG	2A	3649	1/1	0.98	0.04	31,31,31,31	0
56	MG	1A	3991	1/1	0.98	0.05	48,48,48,48	0
56	MG	1A	3437	1/1	0.98	0.05	36,36,36,36	0
56	MG	1A	3229	1/1	0.98	0.14	26,26,26,26	0
56	MG	1a	3140	1/1	0.98	0.04	50,50,50,50	0
56	MG	2A	3010	1/1	0.98	0.11	58,58,58,58	0
56	MG	2A	3011	1/1	0.98	0.07	23,23,23,23	0
56	MG	2a	3102	1/1	0.98	0.10	49,49,49,49	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	3847	1/1	0.98	0.07	37,37,37,37	0
56	MG	1A	3441	1/1	0.98	0.06	30,30,30,30	0
56	MG	1A	3309	1/1	0.98	0.11	27,27,27,27	0
56	MG	2a	3106	1/1	0.98	0.11	49,49,49,49	0
56	MG	1A	3627	1/1	0.98	0.03	22,22,22,22	0
56	MG	1A	3015	1/1	0.98	0.11	26,26,26,26	0
56	MG	1A	3999	1/1	0.98	0.08	11,11,11,11	0
56	MG	11	105	1/1	0.98	0.13	39,39,39,39	0
56	MG	2A	3208	1/1	0.98	0.04	44,44,44,44	0
56	MG	1A	3174	1/1	0.98	0.15	29,29,29,29	0
56	MG	2a	3113	1/1	0.98	0.13	40,40,40,40	0
56	MG	2a	3114	1/1	0.98	0.05	66,66,66,66	0
56	MG	2A	3020	1/1	0.98	0.21	38,38,38,38	0
56	MG	1A	3043	1/1	0.98	0.10	18,18,18,18	0
56	MG	1A	3028	1/1	0.98	0.10	29,29,29,29	0
56	MG	2a	3118	1/1	0.98	0.07	45,45,45,45	0
56	MG	1A	3448	1/1	0.98	0.08	18,18,18,18	0
56	MG	2a	3121	1/1	0.98	0.06	56,56,56,56	0
56	MG	1A	3272	1/1	0.98	0.11	37,37,37,37	0
56	MG	2A	3674	1/1	0.98	0.06	44,44,44,44	0
56	MG	1A	3857	1/1	0.98	0.09	30,30,30,30	0
56	MG	15	3104	1/1	0.98	0.12	27,27,27,27	0
56	MG	2A	3678	1/1	0.98	0.04	42,42,42,42	0
56	MG	15	3105	1/1	0.98	0.07	40,40,40,40	0
56	MG	15	3106	1/1	0.98	0.22	33,33,33,33	0
56	MG	2A	3029	1/1	0.98	0.08	28,28,28,28	0
56	MG	1A	3858	1/1	0.98	0.05	35,35,35,35	0
56	MG	1A	3047	1/1	0.98	0.04	20,20,20,20	0
56	MG	17	101	1/1	0.98	0.05	26,26,26,26	0
56	MG	17	102	1/1	0.98	0.04	23,23,23,23	0
56	MG	2A	3686	1/1	0.98	0.05	51,51,51,51	0
56	MG	2A	3439	1/1	0.98	0.05	35,35,35,35	0
56	MG	1A	4010	1/1	0.98	0.06	49,49,49,49	0
56	MG	1A	3742	1/1	0.98	0.07	38,38,38,38	0
56	MG	17	105	1/1	0.98	0.17	22,22,22,22	0
56	MG	2A	3443	1/1	0.98	0.13	44,44,44,44	0
56	MG	2A	3038	1/1	0.98	0.05	48,48,48,48	0
56	MG	1A	4012	1/1	0.98	0.05	45,45,45,45	0
56	MG	1A	3861	1/1	0.98	0.04	32,32,32,32	0
56	MG	2A	3447	1/1	0.98	0.07	38,38,38,38	0
56	MG	1A	3637	1/1	0.98	0.08	36,36,36,36	0
56	MG	1A	3048	1/1	0.98	0.09	37,37,37,37	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	18	103	1/1	0.98	0.05	47,47,47,47	0
56	MG	2A	3700	1/1	0.98	0.05	32,32,32,32	0
56	MG	1A	3238	1/1	0.98	0.06	33,33,33,33	0
56	MG	1A	3114	1/1	0.98	0.08	33,33,33,33	0
56	MG	1A	3548	1/1	0.98	0.05	28,28,28,28	0
56	MG	2a	3151	1/1	0.98	0.07	54,54,54,54	0
56	MG	1A	3642	1/1	0.98	0.10	26,26,26,26	0
56	MG	2a	3153	1/1	0.98	0.15	58,58,58,58	0
56	MG	1A	3455	1/1	0.98	0.04	27,27,27,27	0
56	MG	1A	3869	1/1	0.98	0.04	49,49,49,49	0
56	MG	1A	3321	1/1	0.98	0.09	31,31,31,31	0
56	MG	2A	3052	1/1	0.98	0.04	34,34,34,34	0
56	MG	1A	3155	1/1	0.98	0.19	33,33,33,33	0
56	MG	2a	3159	1/1	0.98	0.09	48,48,48,48	0
56	MG	1A	3873	1/1	0.98	0.08	23,23,23,23	0
56	MG	1A	3874	1/1	0.98	0.07	14,14,14,14	0
56	MG	1A	3459	1/1	0.98	0.07	35,35,35,35	0
56	MG	1A	3553	1/1	0.98	0.05	35,35,35,35	0
56	MG	1A	3554	1/1	0.98	0.04	34,34,34,34	0
56	MG	1A	3378	1/1	0.98	0.05	28,28,28,28	0
56	MG	1A	3278	1/1	0.98	0.09	29,29,29,29	0
56	MG	1A	3881	1/1	0.98	0.03	30,30,30,30	0
56	MG	1A	3324	1/1	0.98	0.08	19,19,19,19	0
56	MG	1A	3466	1/1	0.98	0.07	29,29,29,29	0
56	MG	1B	212	1/1	0.98	0.06	33,33,33,33	0
56	MG	1A	3115	1/1	0.98	0.11	38,38,38,38	0
56	MG	1A	3382	1/1	0.98	0.05	17,17,17,17	0
56	MG	1a	3022	1/1	0.98	0.08	44,44,44,44	0
56	MG	1A	3383	1/1	0.98	0.09	13,13,13,13	0
56	MG	2a	3176	1/1	0.98	0.05	52,52,52,52	0
56	MG	2a	3177	1/1	0.98	0.05	54,54,54,54	0
56	MG	1A	3471	1/1	0.98	0.08	40,40,40,40	0
56	MG	1A	3890	1/1	0.98	0.07	33,33,33,33	0
56	MG	2A	3071	1/1	0.98	0.09	32,32,32,32	0
56	MG	1A	3326	1/1	0.98	0.07	23,23,23,23	0
56	MG	1a	3027	1/1	0.98	0.06	50,50,50,50	0
56	MG	2A	3263	1/1	0.98	0.14	39,39,39,39	0
56	MG	1B	219	1/1	0.98	0.05	27,27,27,27	0
56	MG	1A	3892	1/1	0.98	0.04	34,34,34,34	0
56	MG	1B	221	1/1	0.98	0.08	57,57,57,57	0
56	MG	1A	3070	1/1	0.98	0.09	28,28,28,28	0
56	MG	1A	3766	1/1	0.98	0.04	24,24,24,24	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	3898	1/1	0.98	0.05	43,43,43,43	0
56	MG	1A	3565	1/1	0.98	0.07	14,14,14,14	0
56	MG	1a	3204	1/1	0.98	0.06	47,47,47,47	0
56	MG	1A	3900	1/1	0.98	0.11	11,11,11,11	0
56	MG	2A	3490	1/1	0.98	0.05	34,34,34,34	0
56	MG	2B	215	1/1	0.98	0.07	58,58,58,58	0
56	MG	1A	3901	1/1	0.98	0.07	25,25,25,25	0
56	MG	2A	3492	1/1	0.98	0.04	43,43,43,43	0
56	MG	2A	3085	1/1	0.98	0.06	34,34,34,34	0
56	MG	2x	102	1/1	0.98	0.11	42,42,42,42	0
56	MG	1A	3663	1/1	0.98	0.24	27,27,27,27	0
56	MG	1A	3328	1/1	0.98	0.16	38,38,38,38	0
56	MG	2A	3496	1/1	0.98	0.05	26,26,26,26	0
56	MG	1A	3060	1/1	0.98	0.13	22,22,22,22	0
56	MG	1A	3388	1/1	0.98	0.05	17,17,17,17	0
56	MG	1A	3910	1/1	0.98	0.06	35,35,35,35	0
56	MG	2A	3281	1/1	0.98	0.05	31,31,31,31	0
56	MG	1A	3159	1/1	0.98	0.24	28,28,28,28	0
56	MG	1A	3391	1/1	0.98	0.03	25,25,25,25	0
56	MG	1A	3913	1/1	0.98	0.05	44,44,44,44	0
56	MG	1a	3215	1/1	0.98	0.05	52,52,52,52	0
60	ZN	29	501	1/1	0.98	0.04	69,69,69,69	0
56	MG	1A	3395	1/1	0.98	0.09	16,16,16,16	0
56	MG	1D	308	1/1	0.98	0.05	14,14,14,14	0
62	SF4	2d	501	8/8	0.98	0.04	50,67,72,77	0
56	MG	1A	3661	1/1	0.99	0.05	51,51,51,51	0
56	MG	1Q	202	1/1	0.99	0.05	33,33,33,33	0
56	MG	1A	3817	1/1	0.99	0.10	28,28,28,28	0
56	MG	1Q	204	1/1	0.99	0.03	39,39,39,39	0
56	MG	2A	3324	1/1	0.99	0.04	32,32,32,32	0
56	MG	1A	3418	1/1	0.99	0.04	18,18,18,18	0
56	MG	1a	3271	1/1	0.99	0.06	43,43,43,43	0
56	MG	2A	3591	1/1	0.99	0.03	35,35,35,35	0
56	MG	1A	3914	1/1	0.99	0.09	35,35,35,35	0
56	MG	1A	3077	1/1	0.99	0.07	25,25,25,25	0
56	MG	1A	3916	1/1	0.99	0.04	31,31,31,31	0
56	MG	2a	3075	1/1	0.99	0.07	68,68,68,68	0
56	MG	1A	3339	1/1	0.99	0.03	26,26,26,26	0
56	MG	1A	3340	1/1	0.99	0.05	33,33,33,33	0
56	MG	2A	3332	1/1	0.99	0.09	36,36,36,36	0
56	MG	1A	3822	1/1	0.99	0.02	23,23,23,23	0
56	MG	1A	3240	1/1	0.99	0.16	22,22,22,22	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	3423	1/1	0.99	0.05	16,16,16,16	0
56	MG	2B	218	1/1	0.99	0.07	43,43,43,43	0
56	MG	1A	3207	1/1	0.99	0.06	28,28,28,28	0
56	MG	2A	3212	1/1	0.99	0.11	33,33,33,33	0
56	MG	1A	3744	1/1	0.99	0.10	23,23,23,23	0
56	MG	2A	3604	1/1	0.99	0.03	38,38,38,38	0
56	MG	1a	3055	1/1	0.99	0.04	41,41,41,41	0
56	MG	1U	202	1/1	0.99	0.09	31,31,31,31	0
56	MG	1A	3044	1/1	0.99	0.04	17,17,17,17	0
56	MG	1U	204	1/1	0.99	0.15	29,29,29,29	0
56	MG	2A	3343	1/1	0.99	0.06	39,39,39,39	0
56	MG	1A	3828	1/1	0.99	0.04	48,48,48,48	0
56	MG	1A	3480	1/1	0.99	0.06	19,19,19,19	0
56	MG	1A	3542	1/1	0.99	0.03	28,28,28,28	0
56	MG	1A	3604	1/1	0.99	0.05	60,60,60,60	0
56	MG	1A	3426	1/1	0.99	0.03	23,23,23,23	0
56	MG	1A	3139	1/1	0.99	0.09	38,38,38,38	0
56	MG	2E	303	1/1	0.99	0.06	43,43,43,43	0
56	MG	1A	3314	1/1	0.99	0.07	28,28,28,28	0
56	MG	2E	305	1/1	0.99	0.10	22,22,22,22	0
56	MG	1A	3429	1/1	0.99	0.04	23,23,23,23	0
56	MG	2A	3618	1/1	0.99	0.03	40,40,40,40	0
56	MG	1A	3485	1/1	0.99	0.03	13,13,13,13	0
56	MG	1A	3678	1/1	0.99	0.03	63,63,63,63	0
56	MG	1A	3346	1/1	0.99	0.06	48,48,48,48	0
56	MG	1A	3839	1/1	0.99	0.02	13,13,13,13	0
56	MG	1A	3225	1/1	0.99	0.05	44,44,44,44	0
56	MG	1A	3245	1/1	0.99	0.20	30,30,30,30	0
56	MG	1A	3290	1/1	0.99	0.05	23,23,23,23	0
56	MG	1A	3683	1/1	0.99	0.02	43,43,43,43	0
56	MG	1A	3350	1/1	0.99	0.04	25,25,25,25	0
56	MG	1A	3351	1/1	0.99	0.02	21,21,21,21	0
56	MG	1A	3389	1/1	0.99	0.07	13,13,13,13	0
56	MG	1A	3944	1/1	0.99	0.09	20,20,20,20	0
56	MG	1A	3493	1/1	0.99	0.09	15,15,15,15	0
56	MG	2A	3365	1/1	0.99	0.02	28,28,28,28	0
56	MG	1A	3291	1/1	0.99	0.14	16,16,16,16	0
56	MG	1A	3438	1/1	0.99	0.06	32,32,32,32	0
56	MG	1A	3690	1/1	0.99	0.07	32,32,32,32	0
56	MG	2a	3120	1/1	0.99	0.06	39,39,39,39	0
56	MG	1A	3767	1/1	0.99	0.03	28,28,28,28	0
56	MG	1A	3620	1/1	0.99	0.07	25,25,25,25	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	3319	1/1	0.99	0.05	16,16,16,16	0
56	MG	2A	3502	1/1	0.99	0.05	20,20,20,20	0
56	MG	1A	3440	1/1	0.99	0.02	14,14,14,14	0
56	MG	1A	3392	1/1	0.99	0.04	29,29,29,29	0
56	MG	1a	3198	1/1	0.99	0.06	59,59,59,59	0
56	MG	1A	3393	1/1	0.99	0.05	30,30,30,30	0
56	MG	1A	3246	1/1	0.99	0.12	40,40,40,40	0
56	MG	15	3101	1/1	0.99	0.14	28,28,28,28	0
56	MG	1A	3268	1/1	0.99	0.05	26,26,26,26	0
56	MG	1A	3002	1/1	0.99	0.06	39,39,39,39	0
56	MG	1A	3628	1/1	0.99	0.08	24,24,24,24	0
56	MG	1A	3057	1/1	0.99	0.05	25,25,25,25	0
56	MG	1A	3778	1/1	0.99	0.04	27,27,27,27	0
56	MG	1A	3447	1/1	0.99	0.05	20,20,20,20	0
56	MG	2A	3652	1/1	0.99	0.04	45,45,45,45	0
56	MG	2A	3384	1/1	0.99	0.07	23,23,23,23	0
56	MG	1A	3358	1/1	0.99	0.04	14,14,14,14	0
56	MG	1A	3006	1/1	0.99	0.02	14,14,14,14	0
56	MG	2A	3656	1/1	0.99	0.03	40,40,40,40	0
56	MG	2A	3657	1/1	0.99	0.06	57,57,57,57	0
56	MG	25	102	1/1	0.99	0.11	36,36,36,36	0
56	MG	2A	3658	1/1	0.99	0.08	44,44,44,44	0
56	MG	1A	3507	1/1	0.99	0.06	19,19,19,19	0
56	MG	1A	3634	1/1	0.99	0.09	33,33,33,33	0
56	MG	1A	3039	1/1	0.99	0.13	38,38,38,38	0
56	MG	1A	3230	1/1	0.99	0.15	33,33,33,33	0
56	MG	1A	3708	1/1	0.99	0.03	37,37,37,37	0
56	MG	1A	3969	1/1	0.99	0.03	16,16,16,16	0
56	MG	1A	3299	1/1	0.99	0.04	28,28,28,28	0
56	MG	1A	3511	1/1	0.99	0.05	14,14,14,14	0
56	MG	2A	3395	1/1	0.99	0.03	43,43,43,43	0
56	MG	1A	3022	1/1	0.99	0.04	38,38,38,38	0
56	MG	1A	3454	1/1	0.99	0.04	54,54,54,54	0
56	MG	1A	3876	1/1	0.99	0.04	34,34,34,34	0
56	MG	2A	3030	1/1	0.99	0.12	21,21,21,21	0
56	MG	2A	3271	1/1	0.99	0.19	29,29,29,29	0
56	MG	1A	3791	1/1	0.99	0.03	47,47,47,47	0
56	MG	1A	3023	1/1	0.99	0.07	20,20,20,20	0
56	MG	1F	303	1/1	0.99	0.12	27,27,27,27	0
56	MG	1A	3456	1/1	0.99	0.05	15,15,15,15	0
56	MG	2A	3677	1/1	0.99	0.08	36,36,36,36	0
56	MG	1A	3979	1/1	0.99	0.04	32,32,32,32	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	3051	1/1	0.99	0.20	26,26,26,26	0
56	MG	1A	3029	1/1	0.99	0.06	33,33,33,33	0
56	MG	1a	3228	1/1	0.99	0.04	60,60,60,60	0
56	MG	2a	3168	1/1	0.99	0.09	50,50,50,50	0
56	MG	1A	3796	1/1	0.99	0.04	31,31,31,31	0
56	MG	1A	3645	1/1	0.99	0.09	25,25,25,25	0
56	MG	1a	3119	1/1	0.99	0.06	34,34,34,34	0
56	MG	2A	3042	1/1	0.99	0.04	26,26,26,26	0
56	MG	1a	3232	1/1	0.99	0.05	54,54,54,54	0
56	MG	1A	3013	1/1	0.99	0.06	19,19,19,19	0
56	MG	2A	3415	1/1	0.99	0.04	18,18,18,18	0
56	MG	1A	3719	1/1	0.99	0.04	39,39,39,39	0
56	MG	1a	3013	1/1	0.99	0.03	29,29,29,29	0
56	MG	1A	3368	1/1	0.99	0.09	36,36,36,36	0
56	MG	1A	3887	1/1	0.99	0.03	34,34,34,34	0
56	MG	2A	3693	1/1	0.99	0.03	58,58,58,58	0
56	MG	1A	3888	1/1	0.99	0.03	18,18,18,18	0
56	MG	1A	3520	1/1	0.99	0.03	35,35,35,35	0
56	MG	1F	316	1/1	0.99	0.04	21,21,21,21	0
56	MG	1A	3333	1/1	0.99	0.04	32,32,32,32	0
56	MG	1a	3129	1/1	0.99	0.04	35,35,35,35	0
56	MG	1A	3723	1/1	0.99	0.06	23,23,23,23	0
56	MG	1A	3462	1/1	0.99	0.04	30,30,30,30	0
56	MG	1A	3894	1/1	0.99	0.04	27,27,27,27	0
56	MG	2A	3559	1/1	0.99	0.03	60,60,60,60	0
56	MG	1A	3162	1/1	0.99	0.09	22,22,22,22	0
56	MG	2A	3561	1/1	0.99	0.04	60,60,60,60	0
56	MG	1A	3464	1/1	0.99	0.03	44,44,44,44	0
56	MG	1a	3248	1/1	0.99	0.03	45,45,45,45	0
56	MG	2A	3179	1/1	0.99	0.05	44,44,44,44	0
56	MG	1a	3249	1/1	0.99	0.04	47,47,47,47	0
56	MG	1A	3897	1/1	0.99	0.05	54,54,54,54	0
56	MG	1A	3465	1/1	0.99	0.05	23,23,23,23	0
56	MG	1A	3237	1/1	0.99	0.16	35,35,35,35	0
56	MG	1A	3054	1/1	0.99	0.06	31,31,31,31	0
56	MG	1A	3308	1/1	0.99	0.11	25,25,25,25	0
56	MG	1A	3902	1/1	0.99	0.03	25,25,25,25	0
56	MG	1A	3416	1/1	0.99	0.04	17,17,17,17	0
56	MG	1A	3904	1/1	0.99	0.02	29,29,29,29	0
56	MG	2A	3574	1/1	0.99	0.05	56,56,56,56	0
56	MG	1A	3470	1/1	0.99	0.04	15,15,15,15	0
60	ZN	1Y	501	1/1	0.99	0.03	52,52,52,52	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	1A	3907	1/1	0.99	0.06	15,15,15,15	0
56	MG	1A	4006	1/1	0.99	0.03	46,46,46,46	0
60	ZN	16	501	1/1	0.99	0.04	40,40,40,40	0
60	ZN	19	102	1/1	0.99	0.04	38,38,38,38	0
60	ZN	1n	104	1/1	0.99	0.03	61,61,61,61	0
56	MG	2A	3314	1/1	0.99	0.06	57,57,57,57	0
56	MG	1A	3733	1/1	0.99	0.06	44,44,44,44	0
60	ZN	25	105	1/1	0.99	0.04	56,56,56,56	0
60	ZN	26	102	1/1	0.99	0.02	56,56,56,56	0
56	MG	2A	3073	1/1	0.99	0.08	25,25,25,25	0
56	MG	1A	3374	1/1	0.99	0.04	22,22,22,22	0
56	MG	1A	4009	1/1	0.99	0.07	26,26,26,26	0
62	SF4	1d	306	8/8	0.99	0.04	50,57,68,69	0
56	MG	1A	3660	1/1	0.99	0.11	17,17,17,17	0
56	MG	1A	3905	1/1	1.00	0.08	13,13,13,13	0
56	MG	1A	3970	1/1	1.00	0.02	26,26,26,26	0
56	MG	1a	3251	1/1	1.00	0.03	45,45,45,45	0
56	MG	1A	3394	1/1	1.00	0.05	14,14,14,14	0
56	MG	1A	3398	1/1	1.00	0.03	14,14,14,14	0
56	MG	1A	3893	1/1	1.00	0.08	19,19,19,19	0
56	MG	1A	3280	1/1	1.00	0.04	23,23,23,23	0
56	MG	1A	3045	1/1	1.00	0.02	17,17,17,17	0
56	MG	1A	3871	1/1	1.00	0.07	23,23,23,23	0
56	MG	1A	3521	1/1	1.00	0.06	19,19,19,19	0

6.5 Other polymers [i](#)

There are no such residues in this entry.