



wwPDB X-ray Structure Validation Summary Report ⓘ

Aug 5, 2026 – 11:35 PM EDT

PDB ID : 8VTX / pdb_00008vtx
Title : Crystal structure of the A2058-N6-dimethylated *Thermus thermophilus* 70S ribosome in complex with macrolone MCX-128, mRNA, aminoacylated A-site Phe-tRNA^{phe}, aminoacylated P-site fMet-tRNA^{met}, and deacylated E-site tRNA^{phe} at 2.40Å resolution
Authors : Aleksandrova, E.V.; Ma, C.-X.; Klepacki, D.; Alizadeh, F.; Vazquez-Laslop, N.; Liang, J.-H.; Polikanov, Y.S.; Mankin, A.S.
Deposited on : 2024-01-27
Resolution : 2.40 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

<https://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)

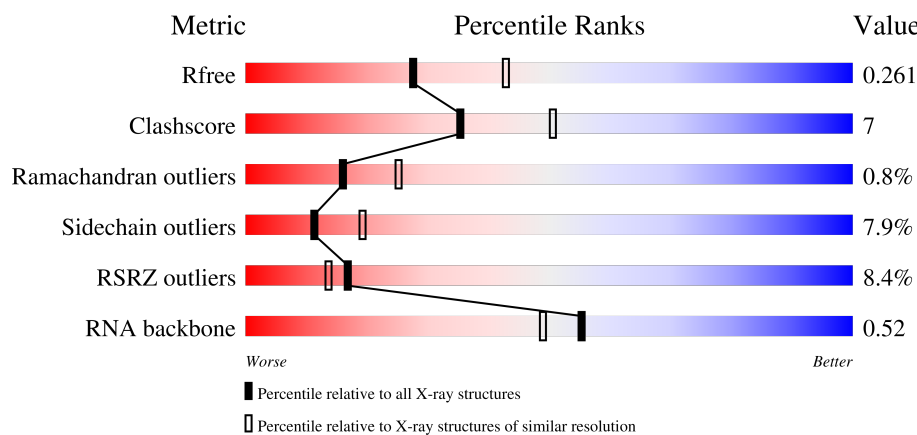
1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

X-RAY DIFFRACTION

The reported resolution of this entry is 2.40 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	4912 (2.40-2.40)
Clashscore	190562	5391 (2.40-2.40)
Ramachandran outliers	187476	5320 (2.40-2.40)
Sidechain outliers	187428	5321 (2.40-2.40)
RSRZ outliers	180081	4916 (2.40-2.40)
RNA backbone	3983	1155 (2.70-2.10)

The table below summarises the geometric issues observed across the polymeric chains and their fit to the electron density. The red, orange, yellow and green segments of the lower bar indicate the fraction of residues that contain outliers for ≥ 3 , 2, 1 and 0 types of geometric quality criteria respectively. A grey segment represents the fraction of residues that are not modelled. The numeric value for each fraction is indicated below the corresponding segment, with a dot representing fractions $\leq 5\%$. The upper red bar (where present) indicates the fraction of residues that have poor fit to the electron density. The numeric value is given above the bar.

Mol	Chain	Length	Quality of chain
1	1A	2915	
1	2A	2915	

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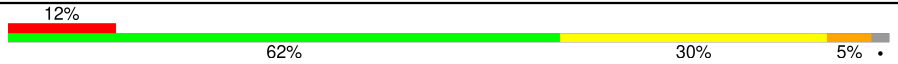
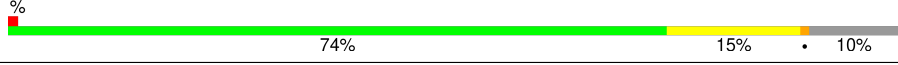
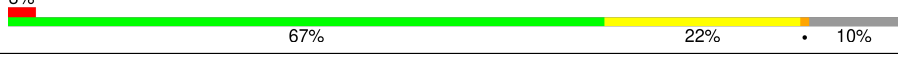
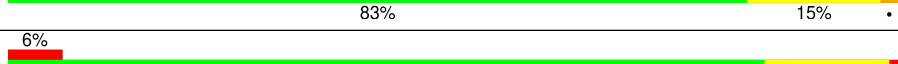
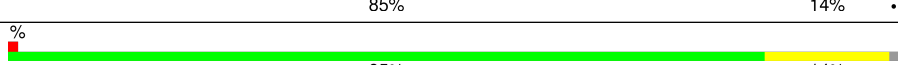
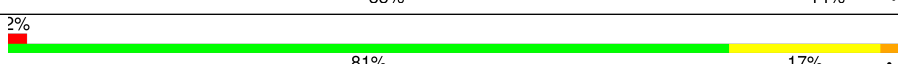
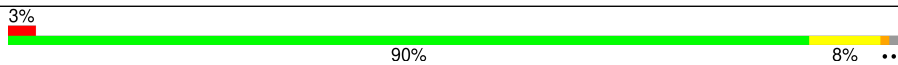
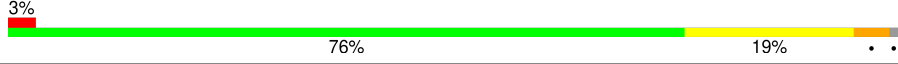
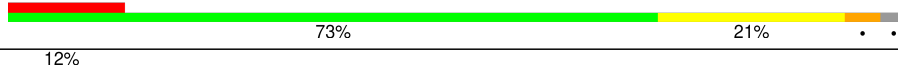
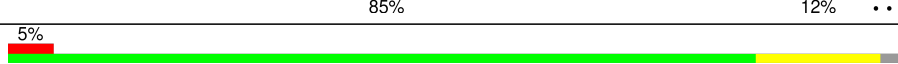
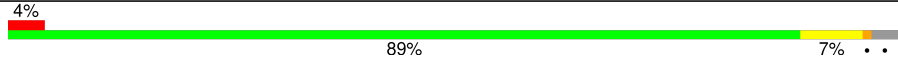
Ideal geometry (DNA, RNA) : Parkinson et al. (1996)
Validation Pipeline (wwPDB-VP) : 2.50

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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	1v	24	
53	2v	24	
54	1w	76	
54	2w	76	
55	1x	77	
55	2x	77	
56	1y	76	
56	2y	76	

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
57	MG	10	108	-	-	-	X
57	MG	1A	3507	-	-	-	X
57	MG	1U	209	-	-	-	X
57	MG	2A	3149	-	-	-	X
57	MG	2A	3277	-	-	-	X
57	MG	2A	3364	-	-	-	X
57	MG	2A	3400	-	-	-	X
57	MG	2a	1761	-	-	-	X
61	SF4	2d	303	-	-	X	-

2 Entry composition

There are 64 unique types of molecules in this entry. The entry contains 300319 atoms, of which 0 are hydrogens and 0 are deuteriums.

In the tables below, the ZeroOcc column contains the number of atoms modelled with zero occupancy, the AltConf column contains the number of residues with at least one atom in alternate conformation and the Trace column contains the number of residues modelled with at most 2 atoms.

- Molecule 1 is a RNA chain called 23S Ribosomal RNA.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
1	1A	2871	Total	C	N	O	P	0	0	0
			61854	27533	11572	19878	2871			
1	2A	2800	Total	C	N	O	P	0	0	0
			60324	26850	11284	19390	2800			

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

- Molecule 54 is a RNA chain called Aminoacylated Phe-tRNA_{phe}.

Mol	Chain	Residues	Atoms						ZeroOcc	AltConf	Trace
54	1w	74	Total	C	N	O	P	S	0	0	0
			1592	713	286	517	74	2			
54	2w	72	Total	C	N	O	P	S	0	0	0
			1544	690	279	501	72	2			

- Molecule 55 is a RNA chain called Aminoacylated fMet-tRNA_{met}.

Mol	Chain	Residues	Atoms						ZeroOcc	AltConf	Trace
55	1x	77	Total	C	N	O	P	S	0	0	0
			1646	734	298	536	77	1			
55	2x	77	Total	C	N	O	P	S	0	0	0
			1646	734	298	536	77	1			

- Molecule 56 is a RNA chain called Deacylated tRNA_{phe}.

Mol	Chain	Residues	Atoms						ZeroOcc	AltConf	Trace
56	1y	74	Total	C	N	O	P	S	0	0	0
			1585	707	285	518	74	1			
56	2y	73	Total	C	N	O	P	S	0	0	0
			1565	698	283	510	73	1			

- Molecule 57 is MAGNESIUM ION (CCD ID: MG) (formula: Mg).

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
57	1A	1093	Total	Mg	0	0
			1093	1093		
57	1B	36	Total	Mg	0	0
			36	36		
57	1D	14	Total	Mg	0	0
			14	14		
57	1E	16	Total	Mg	0	0
			16	16		
57	1F	14	Total	Mg	0	0
			14	14		

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
57	1G	4	Total 4	Mg 4	0	0
57	1H	1	Total 1	Mg 1	0	0
57	1I	1	Total 1	Mg 1	0	0
57	1N	7	Total 7	Mg 7	0	0
57	1O	6	Total 6	Mg 6	0	0
57	1P	6	Total 6	Mg 6	0	0
57	1Q	8	Total 8	Mg 8	0	0
57	1R	3	Total 3	Mg 3	0	0
57	1S	3	Total 3	Mg 3	0	0
57	1T	4	Total 4	Mg 4	0	0
57	1U	9	Total 9	Mg 9	0	0
57	1V	8	Total 8	Mg 8	0	0
57	1W	6	Total 6	Mg 6	0	0
57	1X	7	Total 7	Mg 7	0	0
57	1Y	2	Total 2	Mg 2	0	0
57	1Z	3	Total 3	Mg 3	0	0
57	10	11	Total 11	Mg 11	0	0
57	11	6	Total 6	Mg 6	0	0
57	12	2	Total 2	Mg 2	0	0
57	13	4	Total 4	Mg 4	0	0
57	14	1	Total 1	Mg 1	0	0

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
57	15	7	Total 7	Mg 7	0	0
57	16	1	Total 1	Mg 1	0	0
57	17	7	Total 7	Mg 7	0	0
57	18	6	Total 6	Mg 6	0	0
57	19	1	Total 1	Mg 1	0	0
57	1a	214	Total 214	Mg 214	0	0
57	1b	1	Total 1	Mg 1	0	0
57	1d	1	Total 1	Mg 1	0	0
57	1e	2	Total 2	Mg 2	0	0
57	1f	1	Total 1	Mg 1	0	0
57	1h	1	Total 1	Mg 1	0	0
57	1k	1	Total 1	Mg 1	0	0
57	1l	2	Total 2	Mg 2	0	0
57	1m	1	Total 1	Mg 1	0	0
57	1n	2	Total 2	Mg 2	0	0
57	1r	1	Total 1	Mg 1	0	0
57	1t	1	Total 1	Mg 1	0	0
57	1v	1	Total 1	Mg 1	0	0
57	1w	8	Total 8	Mg 8	0	0
57	1x	14	Total 14	Mg 14	0	0
57	2A	854	Total 854	Mg 854	0	0

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
57	2B	18	Total 18	Mg 18	0	0
57	2D	8	Total 8	Mg 8	0	0
57	2E	11	Total 11	Mg 11	0	0
57	2F	5	Total 5	Mg 5	0	0
57	2G	1	Total 1	Mg 1	0	0
57	2N	1	Total 1	Mg 1	0	0
57	2O	1	Total 1	Mg 1	0	0
57	2P	2	Total 2	Mg 2	0	0
57	2Q	2	Total 2	Mg 2	0	0
57	2R	2	Total 2	Mg 2	0	0
57	2T	3	Total 3	Mg 3	0	0
57	2U	1	Total 1	Mg 1	0	0
57	2V	2	Total 2	Mg 2	0	0
57	2W	1	Total 1	Mg 1	0	0
57	2X	2	Total 2	Mg 2	0	0
57	2Y	1	Total 1	Mg 1	0	0
57	2Z	1	Total 1	Mg 1	0	0
57	20	4	Total 4	Mg 4	0	0
57	21	1	Total 1	Mg 1	0	0
57	23	3	Total 3	Mg 3	0	0
57	25	5	Total 5	Mg 5	0	0

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Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
57	26	1	Total Mg 1 1	0	0
57	27	3	Total Mg 3 3	0	0
57	28	3	Total Mg 3 3	0	0
57	29	1	Total Mg 1 1	0	0
57	2a	210	Total Mg 210 210	0	0
57	2d	2	Total Mg 2 2	0	0
57	2e	1	Total Mg 1 1	0	0
57	2f	2	Total Mg 2 2	0	0
57	2g	1	Total Mg 1 1	0	0
57	2j	1	Total Mg 1 1	0	0
57	2l	5	Total Mg 5 5	0	0
57	2q	2	Total Mg 2 2	0	0
57	2r	1	Total Mg 1 1	0	0
57	2t	1	Total Mg 1 1	0	0
57	2v	3	Total Mg 3 3	0	0
57	2w	7	Total Mg 7 7	0	0
57	2x	7	Total Mg 7 7	0	0
57	2y	5	Total Mg 5 5	0	0

- Molecule 58 is POTASSIUM ION (CCD ID: K) (formula: K).

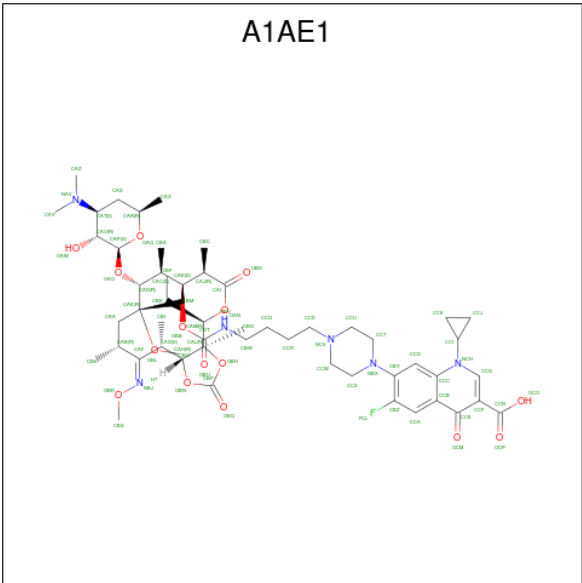
Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
58	1A	1	Total K 1 1	0	0

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Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
58	2A	1	Total K 1 1	0	0

- Molecule 59 is 1-cyclopropyl-7-(4-{4-[(3aR,4R,7R,8S,9S,10R,11R,13R,14E,15S,15aR)-10-[(2S,3R,4S,6R)-4-(dimethylamino)-3-hydroxy-6-methyloxan-2-yl]oxy}-4-ethyl-11-methoxy-14-(methoxyimino)-3a,7,9,11,13,15-hexamethyl-2,6-dioxododecahydro-2H,4H-[1,3]dioxolo[4,5-c]oxacyclotetradecin-8-yl]oxy}carbonyl)amino]butyl}piperazin-1-yl)-6-fluoro-4-oxo-1,4-dihydroquinoline-3-carboxylic acid (non-preferred name) (CCD ID: A1AE1) (formula: C₅₄H₈₁FN₆O₁₅) (labeled as "Ligand of Interest" by depositor).



Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
59	1A	1	Total C F N O 76 54 1 6 15	0	0
59	2A	1	Total C F N O 76 54 1 6 15	0	0

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

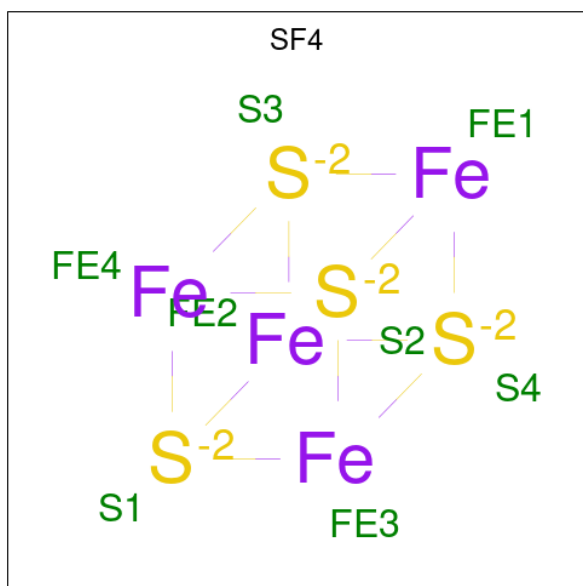
Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
60	1Y	1	Total Zn 1 1	0	0
60	14	1	Total Zn 1 1	0	0
60	15	1	Total Zn 1 1	0	0
60	16	1	Total Zn 1 1	0	0

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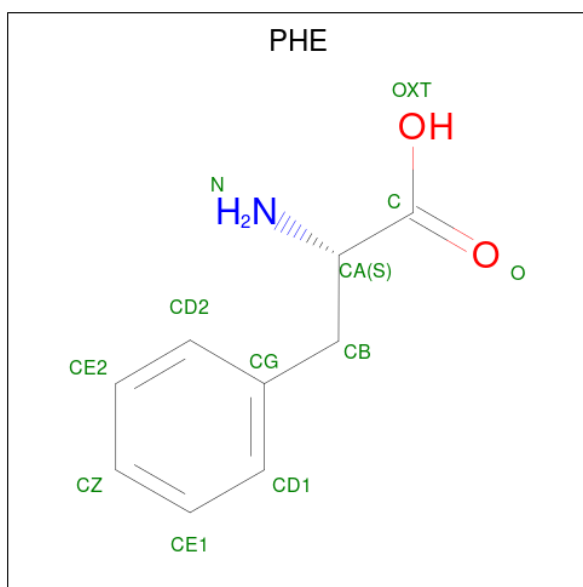
Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
60	19	1	Total	Zn	0	0
			1	1		
60	1n	1	Total	Zn	0	0
			1	1		
60	2Y	1	Total	Zn	0	0
			1	1		
60	24	1	Total	Zn	0	0
			1	1		
60	25	1	Total	Zn	0	0
			1	1		
60	26	1	Total	Zn	0	0
			1	1		
60	29	1	Total	Zn	0	0
			1	1		
60	2n	1	Total	Zn	0	0
			1	1		

- Molecule 61 is IRON/SULFUR CLUSTER (CCD ID: SF4) (formula: Fe_4S_4).



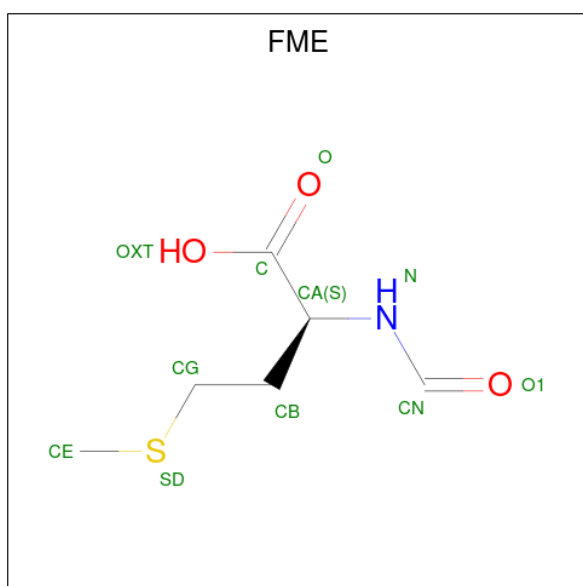
Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
61	1d	1	Total	Fe	S	0	0
			8	4	4		
61	2d	1	Total	Fe	S	0	0
			8	4	4		

- Molecule 62 is PHENYLALANINE (CCD ID: PHE) (formula: $\text{C}_9\text{H}_{11}\text{NO}_2$).



Mol	Chain	Residues	Atoms				ZeroOcc	AltConf
62	1w	1	Total	C	N	O	0	0
			11	9	1	1		
62	2w	1	Total	C	N	O	0	0
			11	9	1	1		

- Molecule 63 is N-FORMYLMETHIONINE (CCD ID: FME) (formula: C₆H₁₁NO₃S).



Mol	Chain	Residues	Atoms					ZeroOcc	AltConf
63	1x	1	Total	C	N	O	S	0	0
			10	6	1	2	1		
63	2x	1	Total	C	N	O	S	0	0
			10	6	1	2	1		

- Molecule 64 is water.

Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
64	1A	2061	Total O 2061 2061	0	0
64	1B	60	Total O 60 60	0	0
64	1D	29	Total O 29 29	0	0
64	1E	27	Total O 27 27	0	0
64	1F	16	Total O 16 16	0	0
64	1G	1	Total O 1 1	0	0
64	1H	1	Total O 1 1	0	0
64	1N	5	Total O 5 5	0	0
64	1O	6	Total O 6 6	0	0
64	1P	22	Total O 22 22	0	0
64	1Q	9	Total O 9 9	0	0
64	1R	10	Total O 10 10	0	0
64	1S	4	Total O 4 4	0	0
64	1T	8	Total O 8 8	0	0
64	1U	10	Total O 10 10	0	0
64	1V	8	Total O 8 8	0	0
64	1W	9	Total O 9 9	0	0
64	1X	6	Total O 6 6	0	0
64	1Y	3	Total O 3 3	0	0
64	1Z	1	Total O 1 1	0	0
64	10	12	Total O 12 12	0	0

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
64	11	11	Total 11	O 11	0	0
64	12	3	Total 3	O 3	0	0
64	13	5	Total 5	O 5	0	0
64	14	1	Total 1	O 1	0	0
64	15	9	Total 9	O 9	0	0
64	16	1	Total 1	O 1	0	0
64	17	11	Total 11	O 11	0	0
64	18	11	Total 11	O 11	0	0
64	1a	388	Total 388	O 388	0	0
64	1b	1	Total 1	O 1	0	0
64	1c	2	Total 2	O 2	0	0
64	1d	2	Total 2	O 2	0	0
64	1e	3	Total 3	O 3	0	0
64	1f	1	Total 1	O 1	0	0
64	1g	1	Total 1	O 1	0	0
64	1i	1	Total 1	O 1	0	0
64	1j	2	Total 2	O 2	0	0
64	1l	7	Total 7	O 7	0	0
64	1m	1	Total 1	O 1	0	0
64	1n	2	Total 2	O 2	0	0
64	1o	1	Total 1	O 1	0	0

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
64	1p	1	Total 1	O 1	0	0
64	1q	2	Total 2	O 2	0	0
64	1u	1	Total 1	O 1	0	0
64	1v	5	Total 5	O 5	0	0
64	1w	14	Total 14	O 14	0	0
64	1x	15	Total 15	O 15	0	0
64	1y	1	Total 1	O 1	0	0
64	2A	1142	Total 1142	O 1142	0	0
64	2B	19	Total 19	O 19	0	0
64	2D	23	Total 23	O 23	0	0
64	2E	12	Total 12	O 12	0	0
64	2F	12	Total 12	O 12	0	0
64	2I	2	Total 2	O 2	0	0
64	2O	2	Total 2	O 2	0	0
64	2P	11	Total 11	O 11	0	0
64	2Q	2	Total 2	O 2	0	0
64	2R	3	Total 3	O 3	0	0
64	2T	5	Total 5	O 5	0	0
64	2U	3	Total 3	O 3	0	0
64	2V	1	Total 1	O 1	0	0
64	2X	3	Total 3	O 3	0	0

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
64	2Y	1	Total 1	O 1	0	0
64	2Z	1	Total 1	O 1	0	0
64	20	3	Total 3	O 3	0	0
64	21	11	Total 11	O 11	0	0
64	23	2	Total 2	O 2	0	0
64	25	2	Total 2	O 2	0	0
64	27	5	Total 5	O 5	0	0
64	28	3	Total 3	O 3	0	0
64	29	1	Total 1	O 1	0	0
64	2a	221	Total 221	O 221	0	0
64	2c	1	Total 1	O 1	0	0
64	2d	2	Total 2	O 2	0	0
64	2g	1	Total 1	O 1	0	0
64	2j	3	Total 3	O 3	0	0
64	2l	4	Total 4	O 4	0	0
64	2p	2	Total 2	O 2	0	0
64	2q	1	Total 1	O 1	0	0
64	2r	1	Total 1	O 1	0	0
64	2t	1	Total 1	O 1	0	0
64	2v	2	Total 2	O 2	0	0
64	2w	3	Total 3	O 3	0	0

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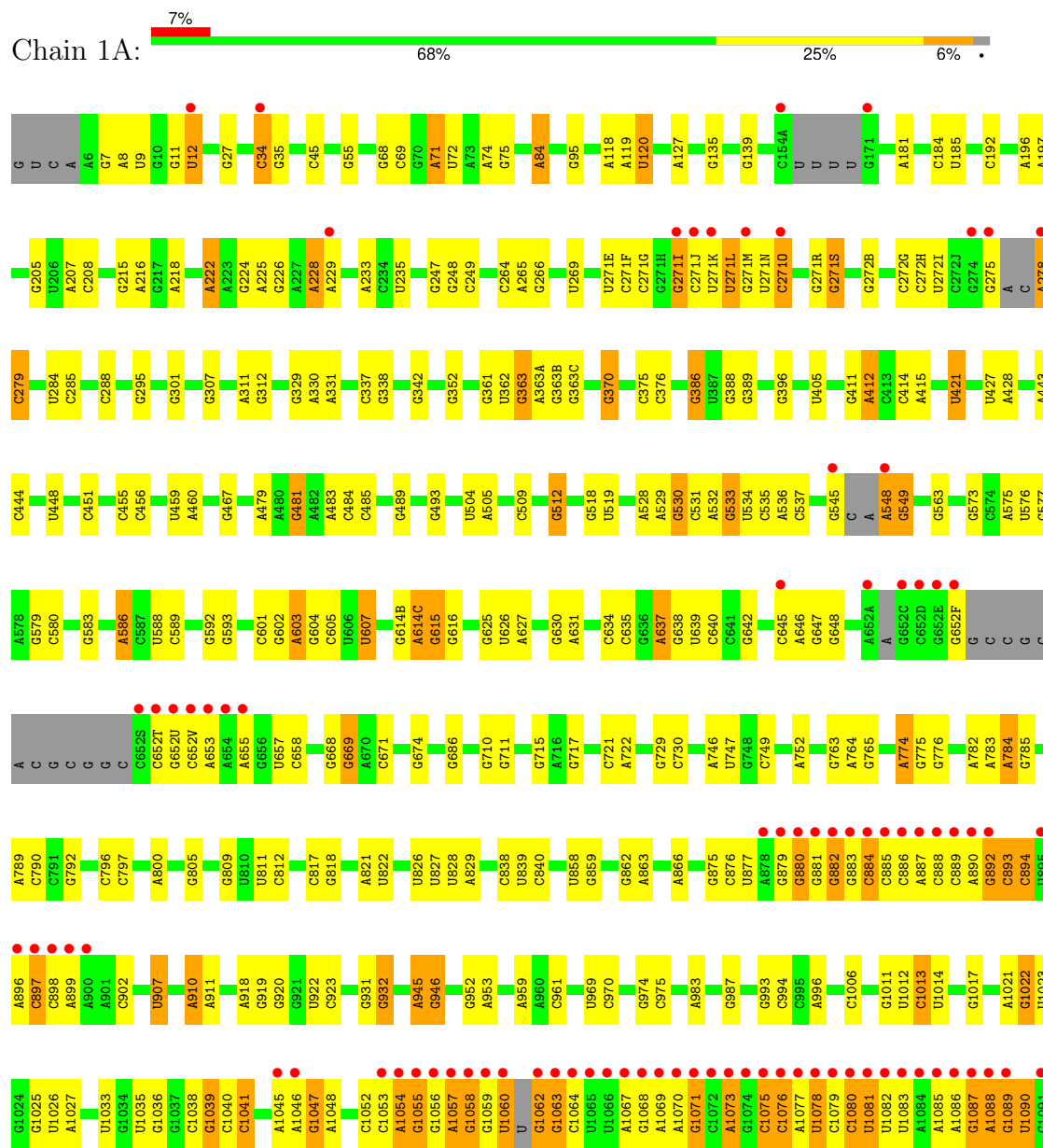
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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
64	2x	7	Total	O	0	0
			7	7		
64	2y	2	Total	O	0	0
			2	2		

3 Residue-property plots

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

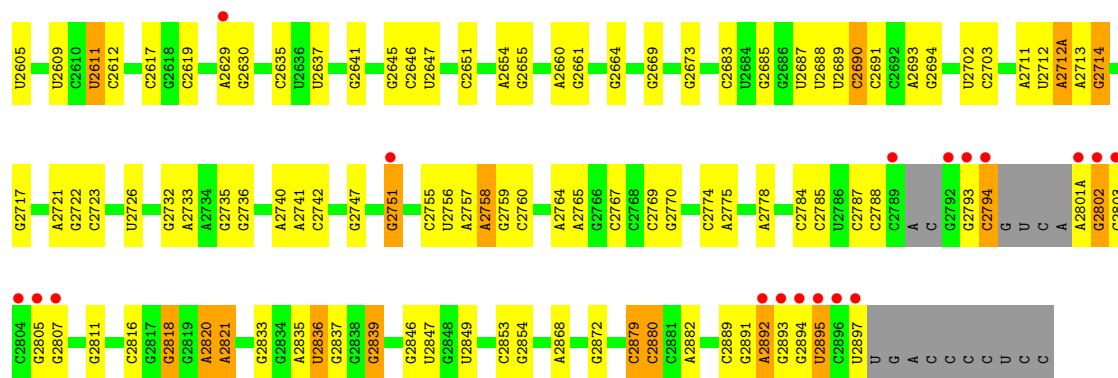
• Molecule 1: 23S Ribosomal RNA



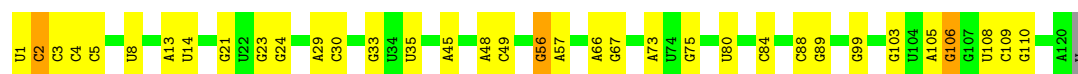




C2501	C2384	G2299	C2178	U2118	A2019	A1916	A1780	A1654	G1537	G1442	A1321	G1225	C1116
G2502	C2385	G2300	C2179	A2119	A2019	U1917	C1781	C1657	G1538	G1442	A1322	G1225	G1117
A2503	C2386	U2180	U2180	G2120	C2021	C1920	C1782	C1658	U1540	A1445	C1327	C1230	G1125
G2505	U2504	G2306	C2181	G2121	G2022	G1924	A1784	A1665	A1542	C1446	G1334	G1236	U1130
C2507	G2307	G2308	C2183	G2123	G2023	G1924	A1785	G1666	C1543	G1447	G1344	G1237	G1131
G2508	C2394		G2184	G2124	A2030	A1927	A1786	G1667	C1547	G1448	G1344	G1238	A1132
		A2311	G2186	G2125	A2031	A1928	C1790		C1554	A1449	G1352	G1239	U1133
C2512	C2403	U2312	G2187	A2126	A2032	G1929	A1791		A1557	G1450	A1352	U1240	C1135
G2513	C2404	C2313	C2188	G2128	A2033	G1930			A1558	G1455	A1353	A1241	G1136
G2518	G2405	U2314	U2189	C2129	G2037	U1931	U1794	C1683	C1557	G1460	A1354	A1242	G1137
U2519	U2406	C2315	G2190	U2130	G2038	A1932	C1795	C1684	A1566	G1461	A1359	G1243	G1138
C2520	A2422	C2316	G2192	G2131	G2038	G1933	U1796	A1689	A1566		A1360	U1247	G1139
G2521	U2423	C2317	G2193	G2132	C2040		U1798		A1567		A1361	G1248	C1140
G2524	C2424	G2319	G2194	A2134	C2043	A1936	U1799	G1696	A1567	C1467	G1364	U1253	U1142
G2525	A2425	A2320	G2194	A2135	C2043	A1938	G1799	G1697	A1568	C1468	G1365	A1253	A1142A
		G2321	A2198	C2136	G2049	U1939	G1801	A1698	A1569	A1469	A1254	U1254	A1143
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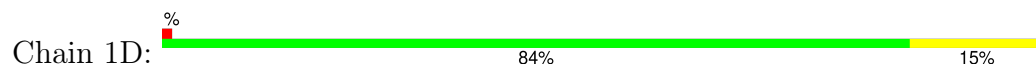
- Molecule 2: 5S Ribosomal RNA



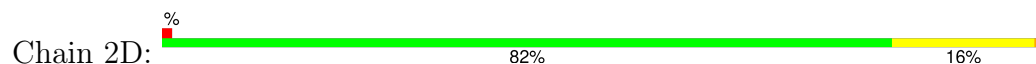
- Molecule 2: 5S Ribosomal RNA



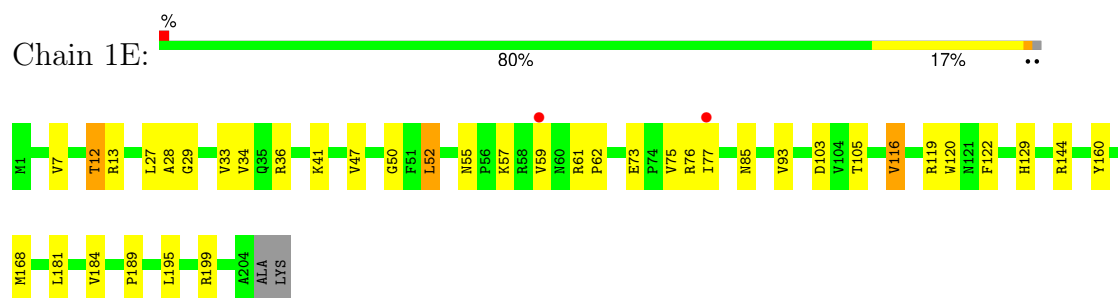
- Molecule 3: 50S ribosomal protein L2



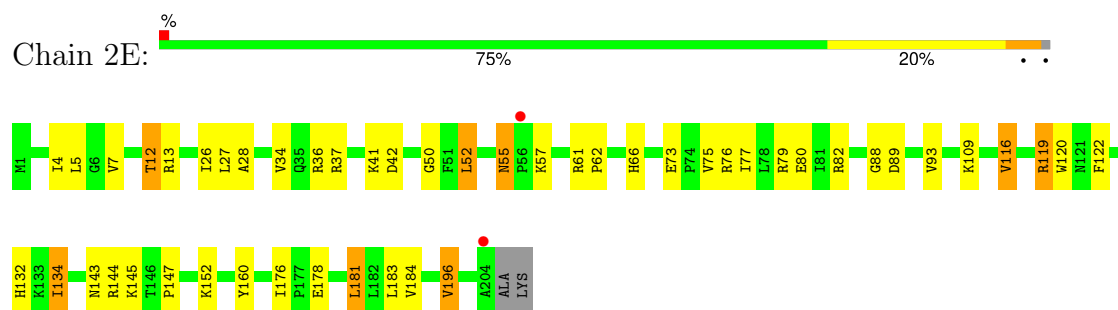
- Molecule 3: 50S ribosomal protein L2



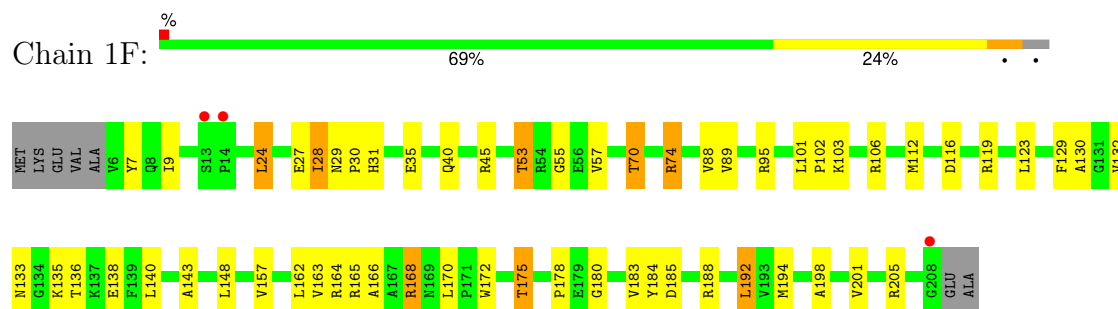
- Molecule 4: 50S ribosomal protein L3



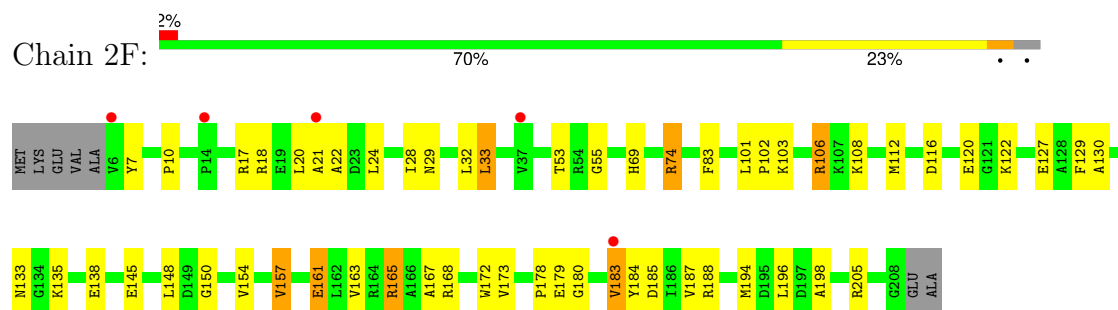
- Molecule 4: 50S ribosomal protein L3



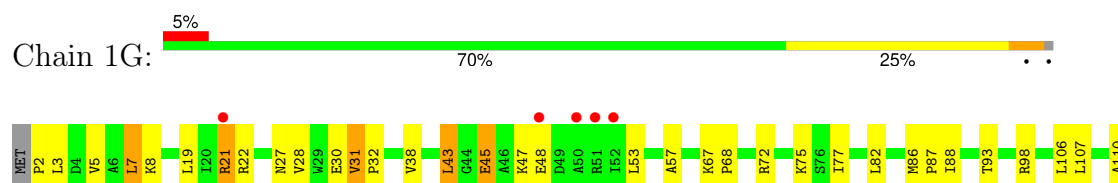
- Molecule 5: 50S ribosomal protein L4



- Molecule 5: 50S ribosomal protein L4

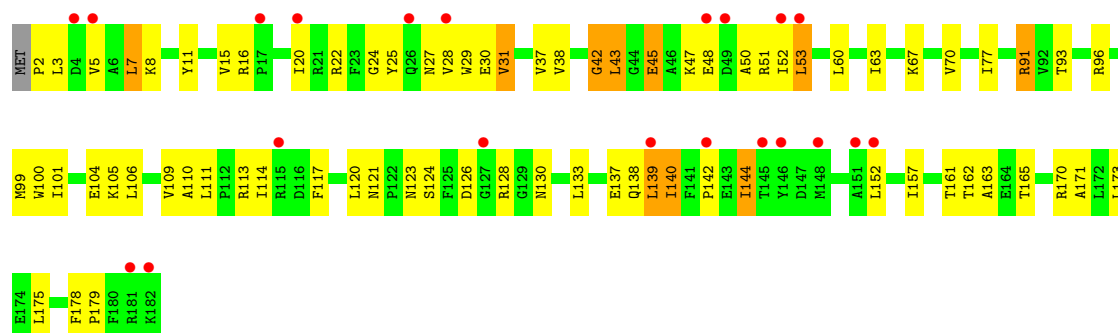


- Molecule 6: 50S ribosomal protein L5

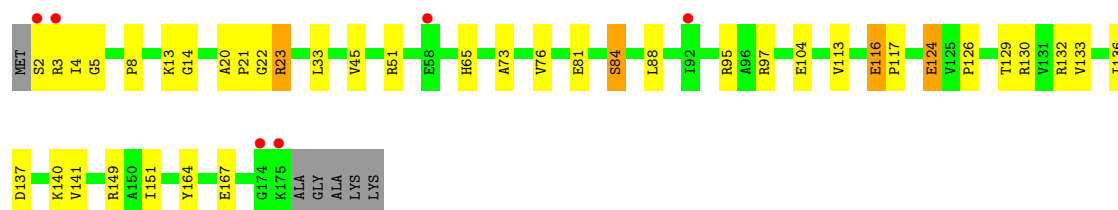
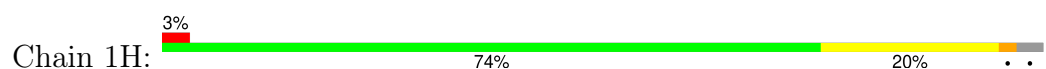




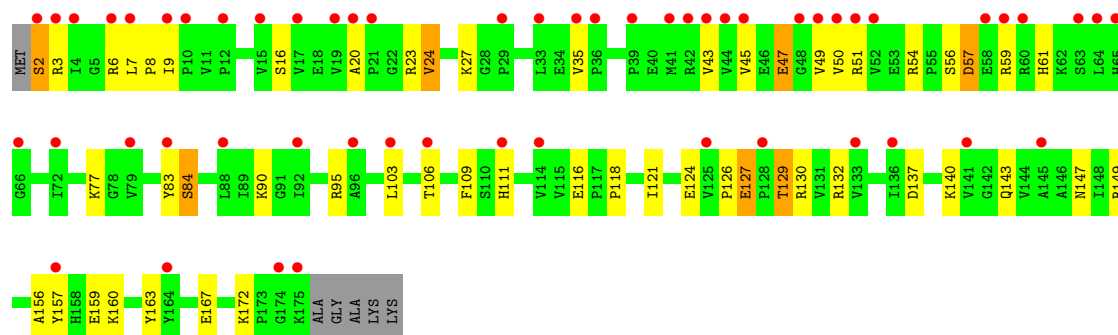
- Molecule 6: 50S ribosomal protein L5



- Molecule 7: 50S ribosomal protein L6



- Molecule 7: 50S ribosomal protein L6

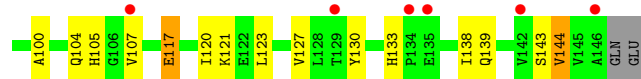
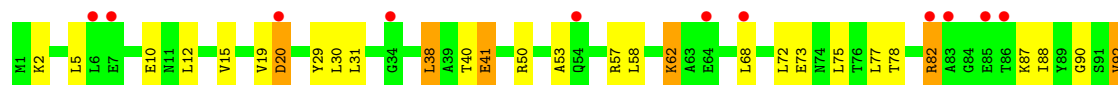


- Molecule 8: 50S ribosomal protein L9

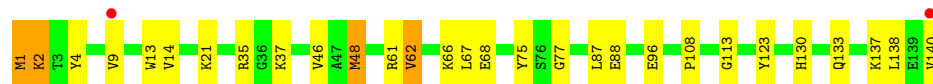
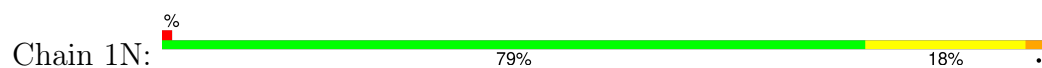




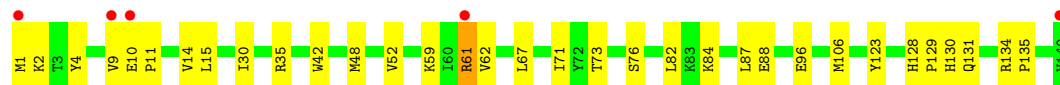
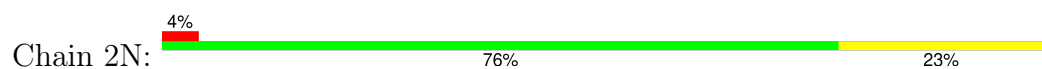
• Molecule 8: 50S ribosomal protein L9



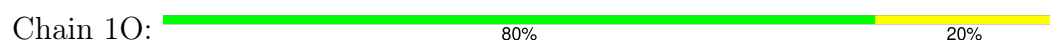
• Molecule 9: 50S ribosomal protein L13



• Molecule 9: 50S ribosomal protein L13



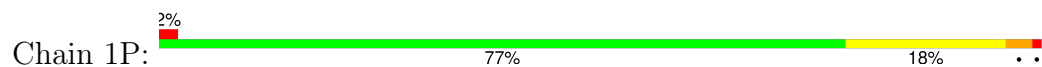
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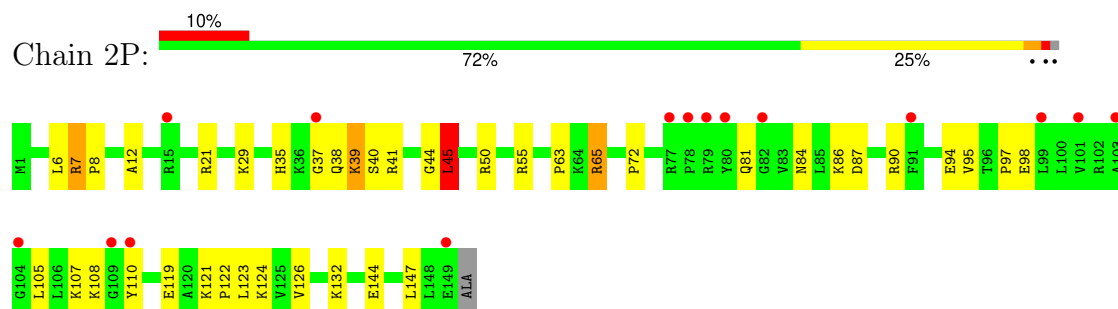
• Molecule 10: 50S ribosomal protein L14



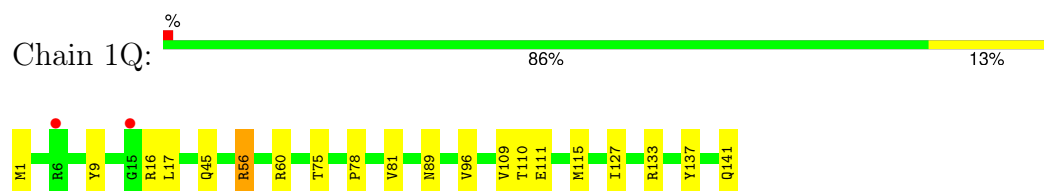
• Molecule 11: 50S ribosomal protein L15



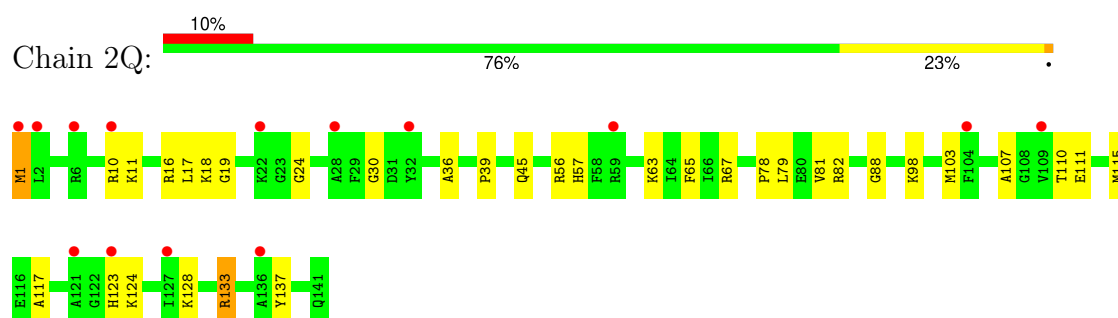
• Molecule 11: 50S ribosomal protein L15



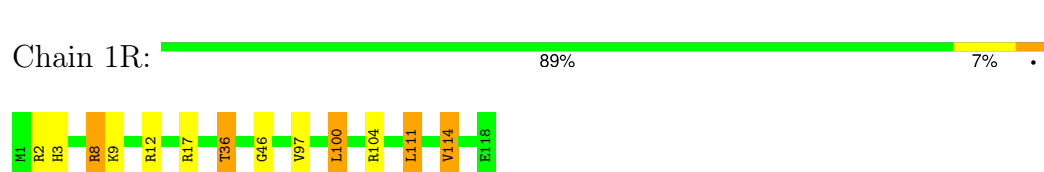
• Molecule 12: 50S ribosomal protein L16



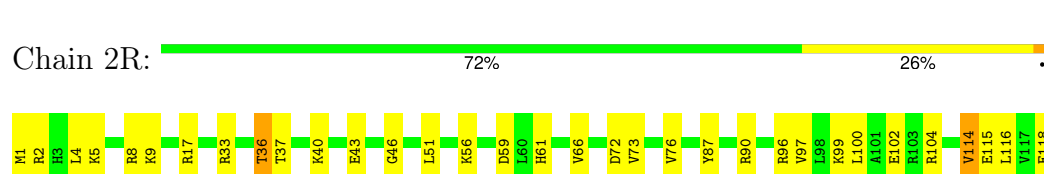
• Molecule 12: 50S ribosomal protein L16



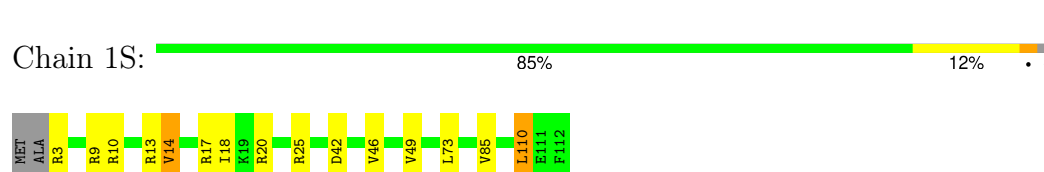
• Molecule 13: 50S ribosomal protein L17



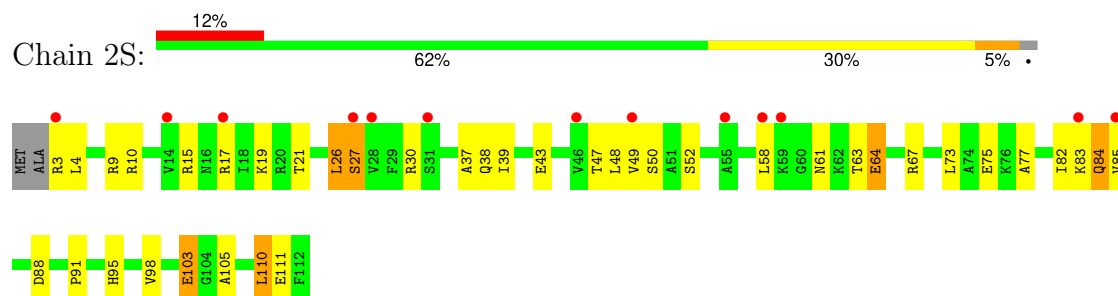
• Molecule 13: 50S ribosomal protein L17



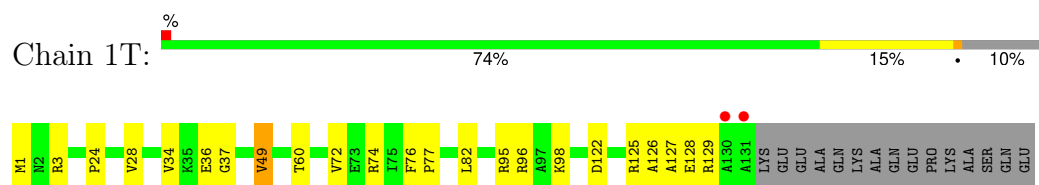
• Molecule 14: 50S ribosomal protein L18



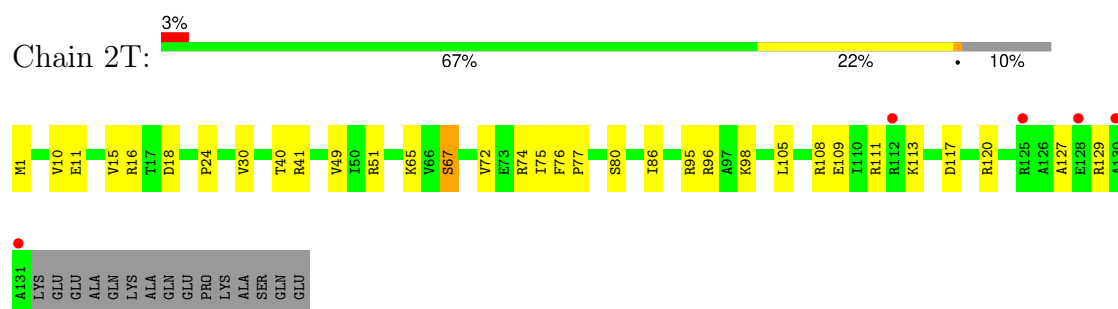
• Molecule 14: 50S ribosomal protein L18



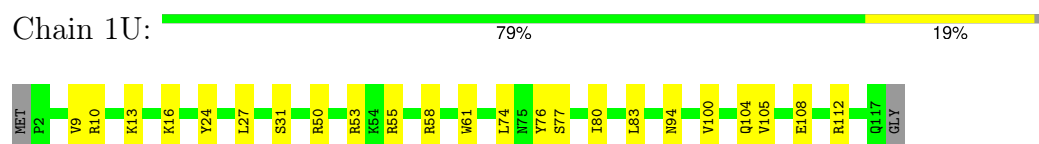
• Molecule 15: 50S ribosomal protein L19



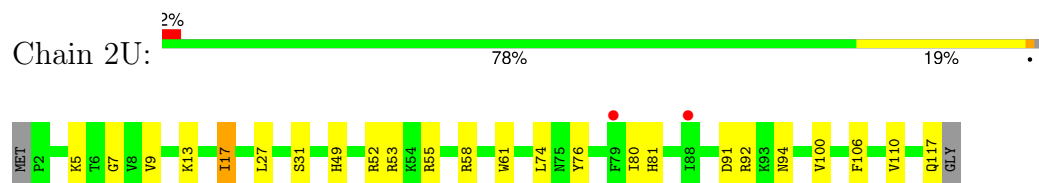
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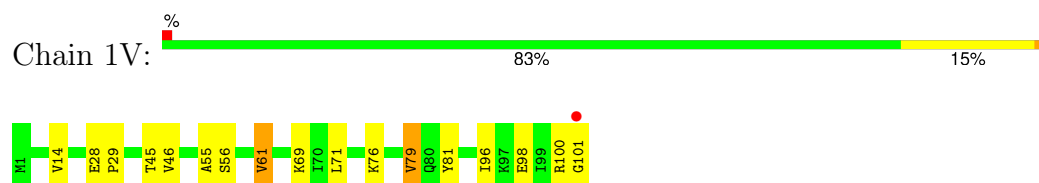
• Molecule 16: 50S ribosomal protein L20



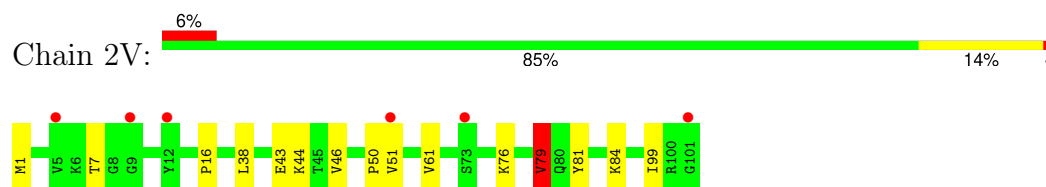
• Molecule 16: 50S ribosomal protein L20



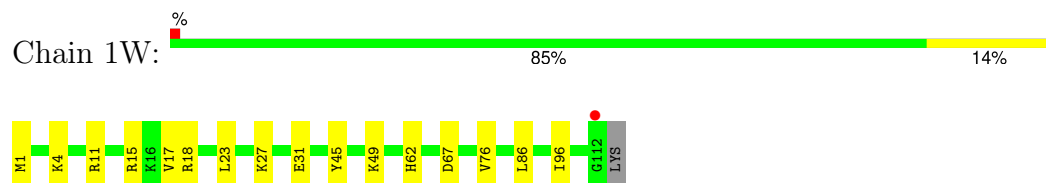
• Molecule 17: 50S ribosomal protein L21



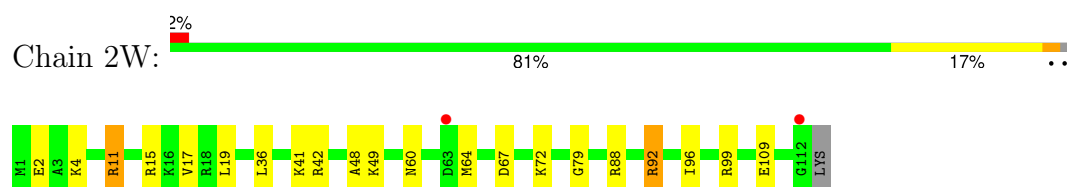
- Molecule 17: 50S ribosomal protein L21



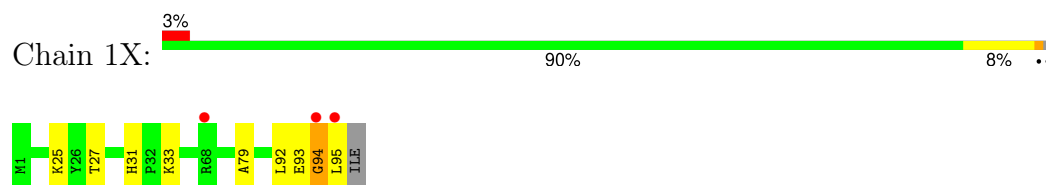
- Molecule 18: 50S ribosomal protein L22



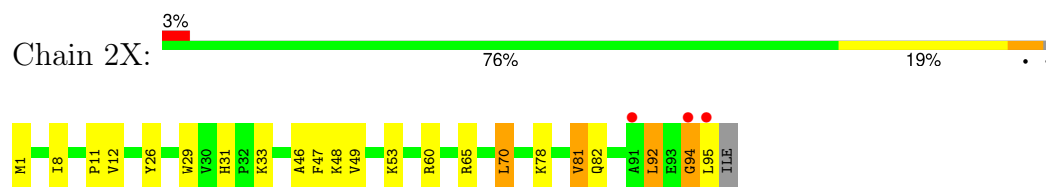
- Molecule 18: 50S ribosomal protein L22



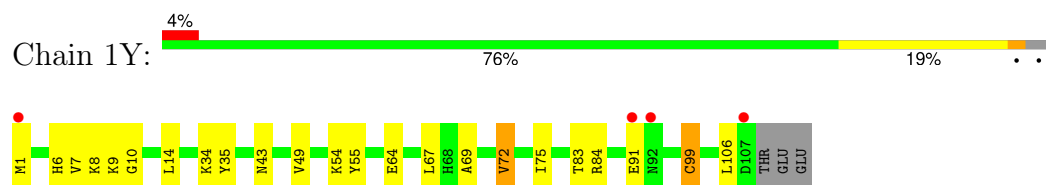
- Molecule 19: 50S ribosomal protein L23



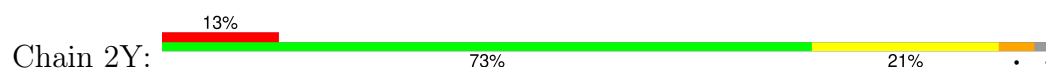
- Molecule 19: 50S ribosomal protein L23

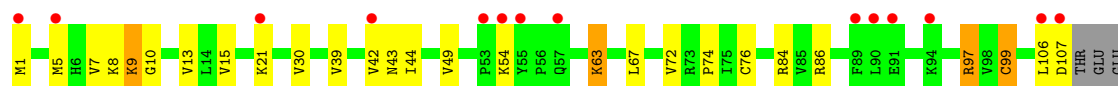


- Molecule 20: 50S ribosomal protein L24

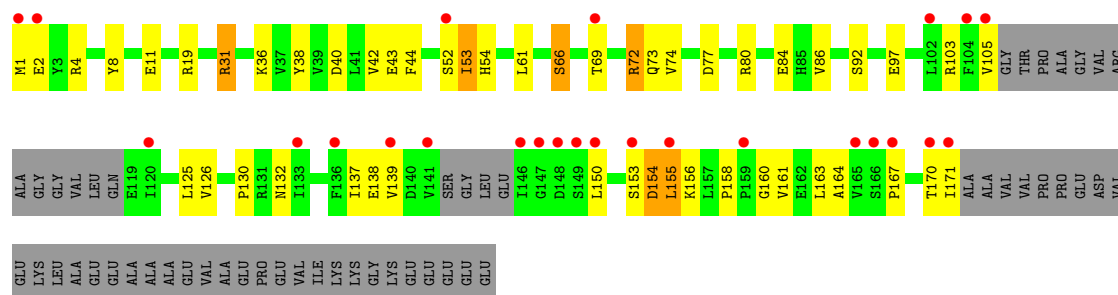


- Molecule 20: 50S ribosomal protein L24

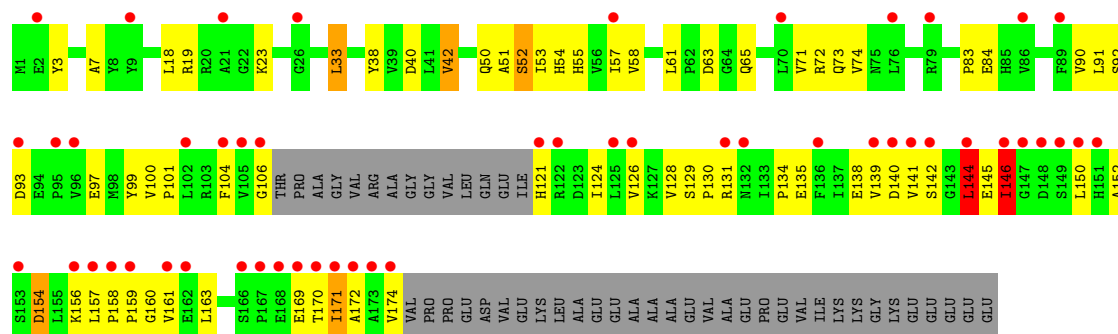




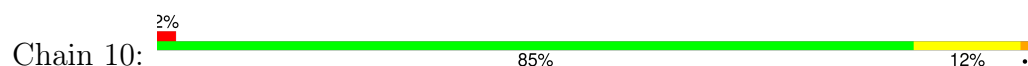
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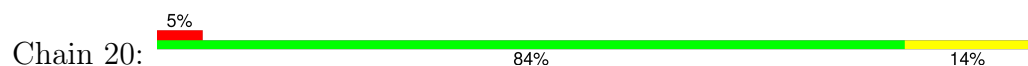
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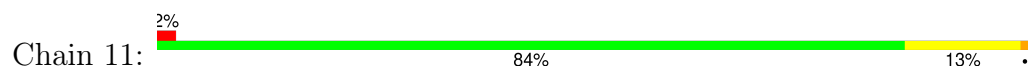
- Molecule 22: 50S ribosomal protein L27



- Molecule 22: 50S ribosomal protein L27

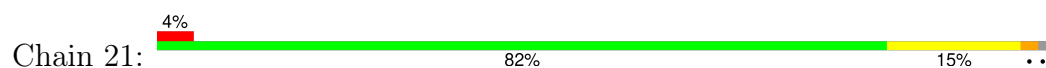


- Molecule 23: 50S ribosomal protein L28

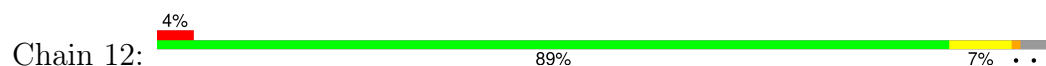




- Molecule 23: 50S ribosomal protein L28



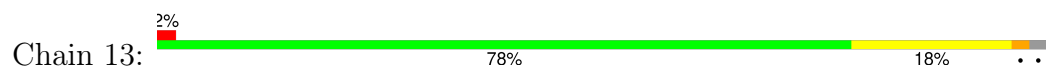
- Molecule 24: 50S ribosomal protein L29



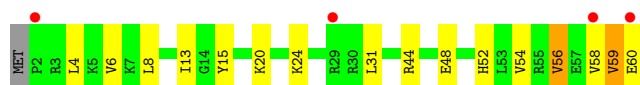
- Molecule 24: 50S ribosomal protein L29



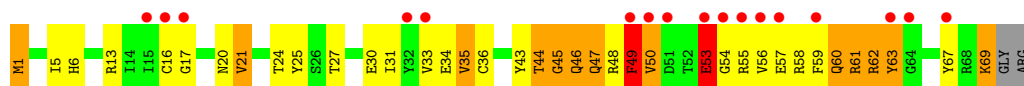
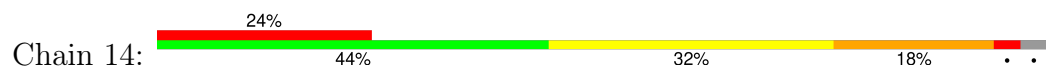
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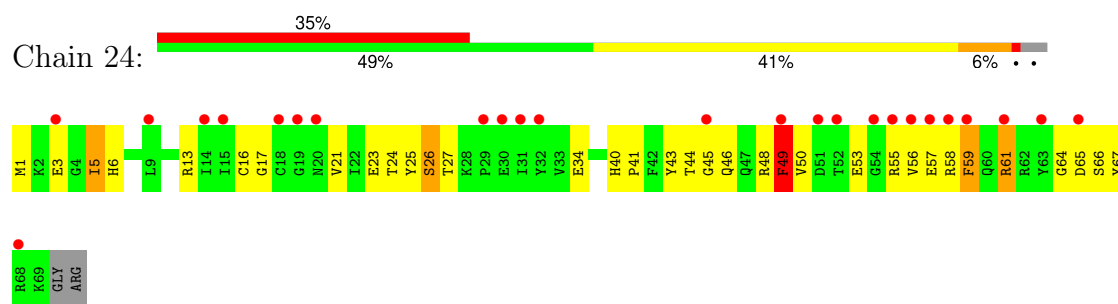
- Molecule 25: 50S ribosomal protein L30



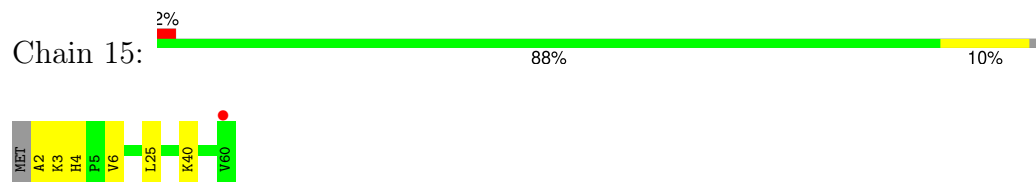
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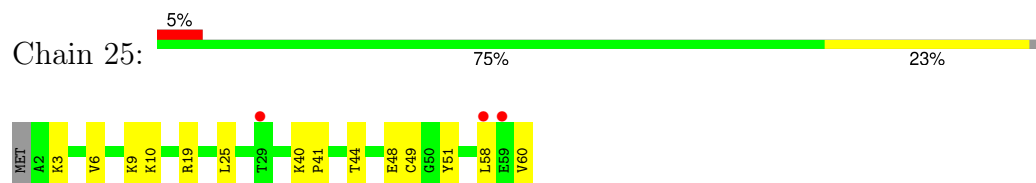
- Molecule 26: 50S ribosomal protein L31



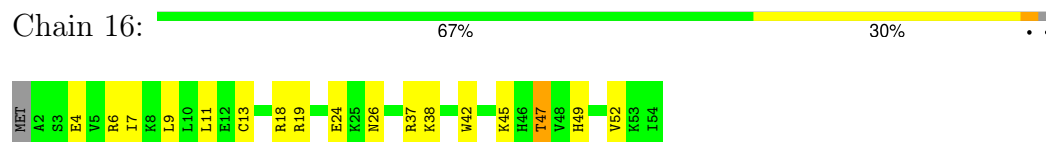
- Molecule 27: 50S ribosomal protein L32



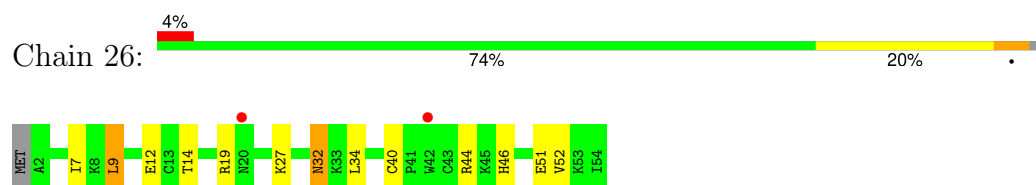
- Molecule 27: 50S ribosomal protein L32



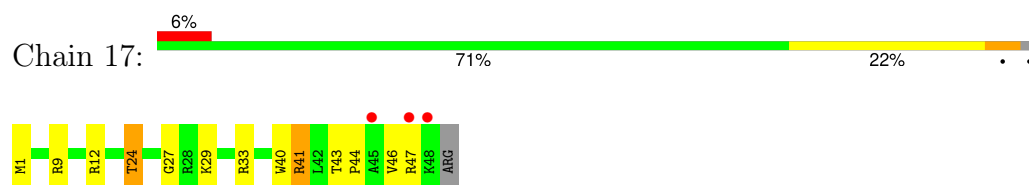
- Molecule 28: 50S ribosomal protein L33



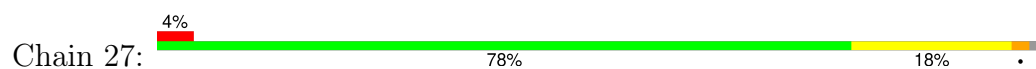
- Molecule 28: 50S ribosomal protein L33

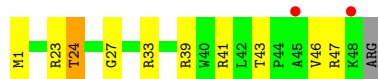


- Molecule 29: 50S ribosomal protein L34

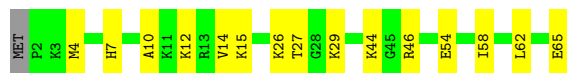


- Molecule 29: 50S ribosomal protein L34





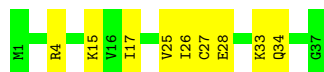
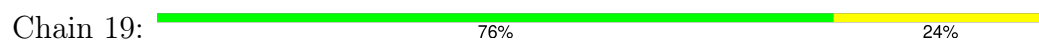
- Molecule 30: 50S ribosomal protein L35



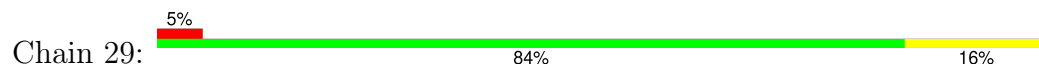
- Molecule 30: 50S ribosomal protein L35



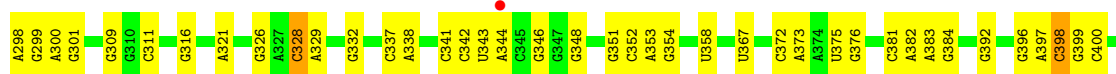
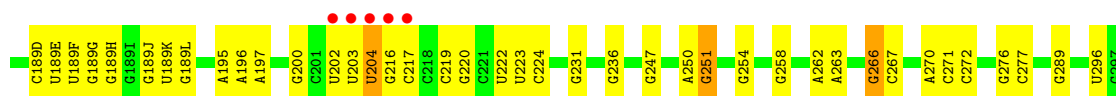
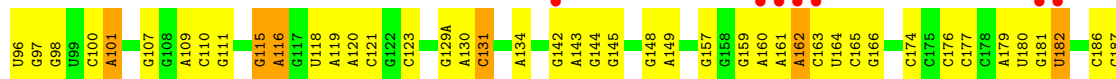
- Molecule 31: 50S ribosomal protein L36

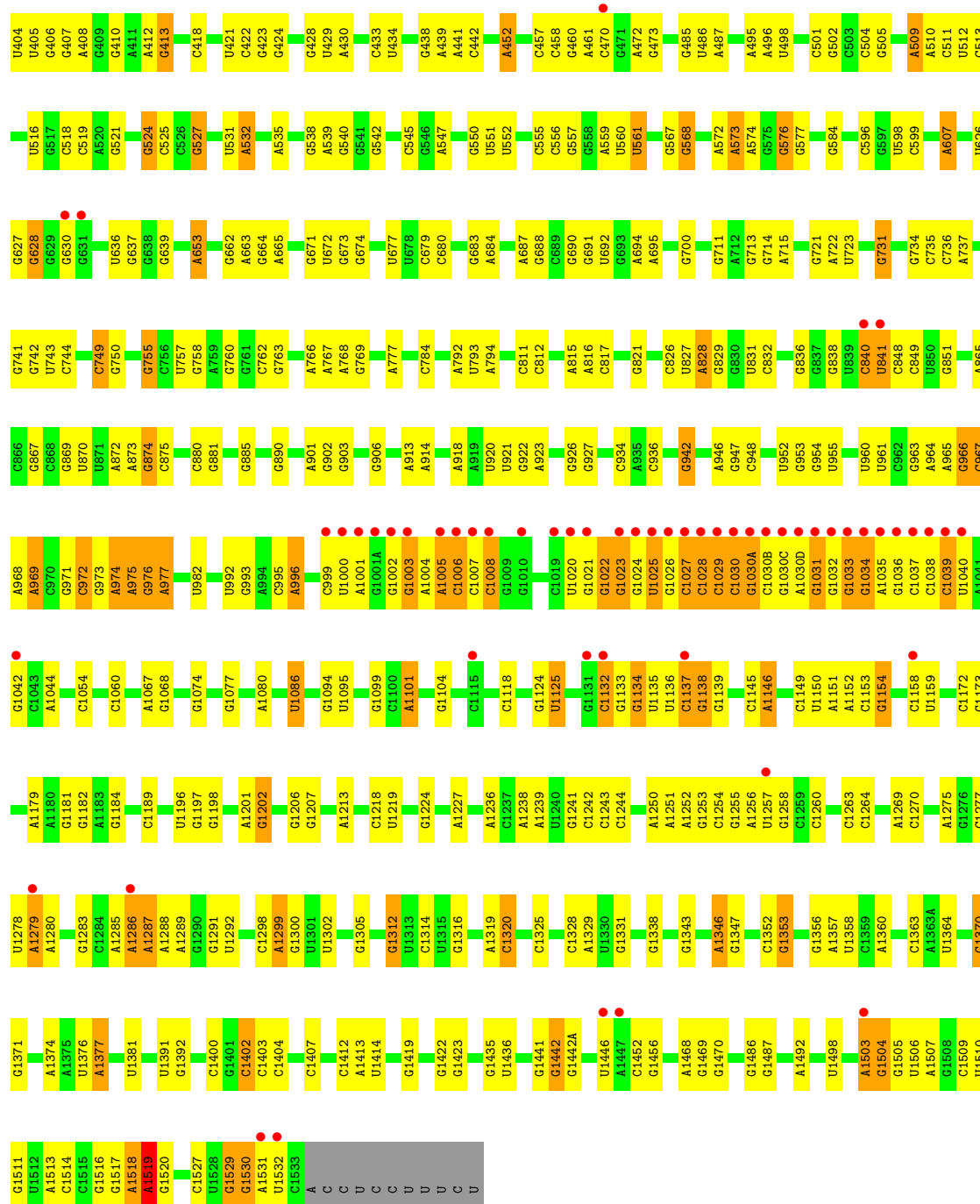


- Molecule 31: 50S ribosomal protein L36



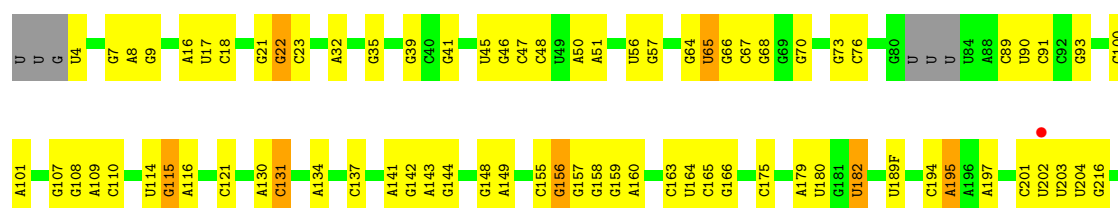
- Molecule 32: 16S Ribosomal RNA





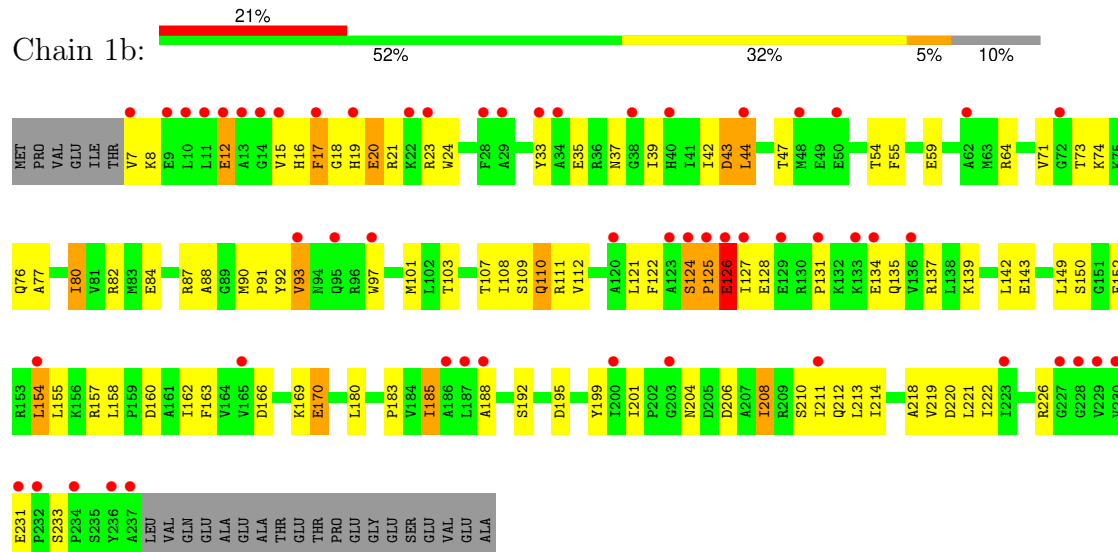
• Molecule 32: 16S Ribosomal RNA

Chain 2a: 6% 56% 35% 7%

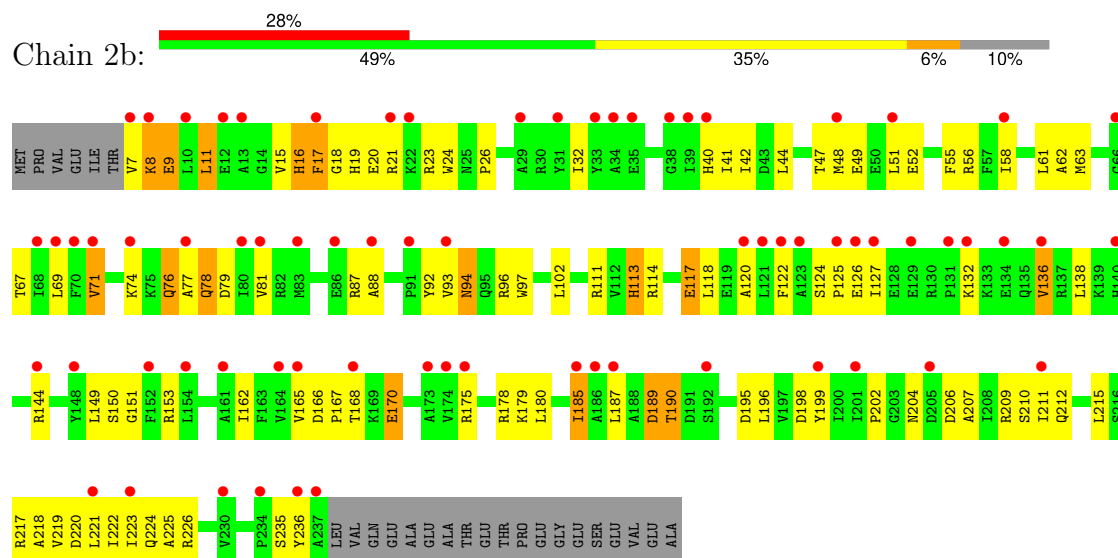


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C1452	C1369	U1281	G1207	U1136	G1064	A1004	G933	C779	G664	C556	G351	U223
G1456	G1360	C1282	U1211	C1137	U1066	C1006	C934	A780	A665	A559	C352	G231
G1457	G1361	G1283	U1212	G1138	U1066	C1006	A935	C784	G666	U560	A353	G232
G1464	C1362	C1284	U1212	G1139	A1067	C1008	C936	A787	G671	C562	G354	C233
G1464	C1363	C1285	A1213	C1140	C1068	G1009	A937	A787	G672	C562	G357	C234
G1469	C1366	A1286	G1216	C1141	C1069	G1010	A938	A792	G673	A563	G376	G245
G1470	C1367	A1287	C1217	C1145	U1070	G1011	G939	A792	G674	C564	U367	G246
A1492	G1368	A1288	U1218	A1146	G1072	U1012	G942	A793	G674	U565	C372	G247
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U1512	C1382	G1305	A1236	C1162	U1093	G1026	U961	U838	C708	A498	G391	A263
A1513	G1382	G1309	C1237	G1163	A1094	C1027	A964	U838	U723	U582	G392	G266
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A1518	C1400	U1312	G1241	A1168	C1097	C1030	G967	C848	G731	C588	C269	G268
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G1530	G1410	A1319	A1251	G1176	C1103	G1032	G973	A859	C736	C511	U405	G297
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C	A1418	A1324	A1256	G1181	U1108	C1037	A978	C874	C748	C620	A414	G316
C	A1419	C1325	U1257	G1182	C1115	C1038	C979	C895	C749	A621	G416	G316
C	G1422	G1330	C1260	G1184	C1116	U1040	U981	C895	G750	G625	C419	A321
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C	A1434	G1333	G1265	C1189	G1120	A1044	G987	G903	C754	C525	G426	C328
C	G1435	G1334	G1265	G1190	U1121	C1045	U991	A909	C756	A630	U427	A329
C	U1436	G1338	A1268	G1193	U1122	C1045	U991	C910	U757	A642	U427	G332
C	A1437	G1343	C1269	U1194	A1123	G1050	U992	A914	G758	U646	G428	G333
C	G1438	G1344	U1270	C1195	G1124	C1051	G993	A914	A766	C647	U429	C334
C	C1439	U1345	G1271	U1196	U1125	U1052	A994	A918	C647	C651	A430	C335
C	U1439	G1346	G1272	G1197	U1126	G1053	C995	A919	G769	C651	A439	U340
C	G1442	G1347	G1273	C1200	C1128	A1055	U997	U920	G769	U652	A441	C341
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C	G1442	G1347	C1277	C1203	C1132	G1061	A1001	G926	G775	A547	G446	G345
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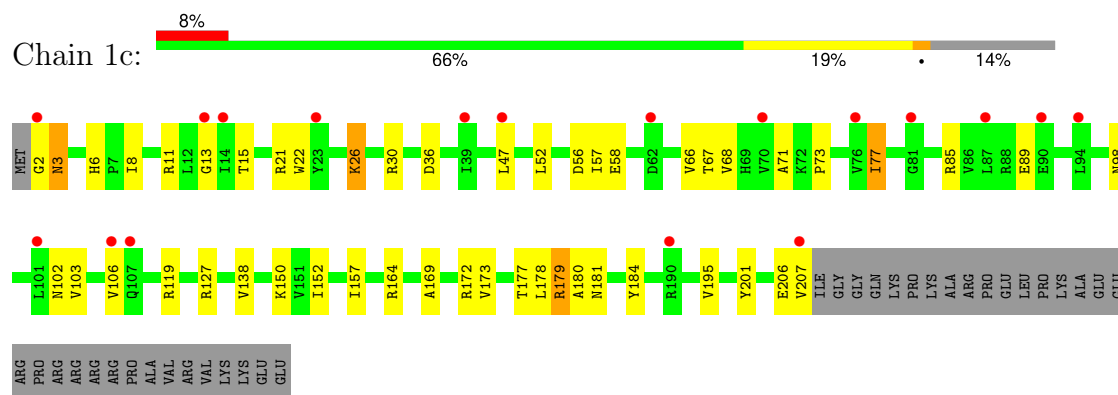
- Molecule 33: 30S ribosomal protein S2



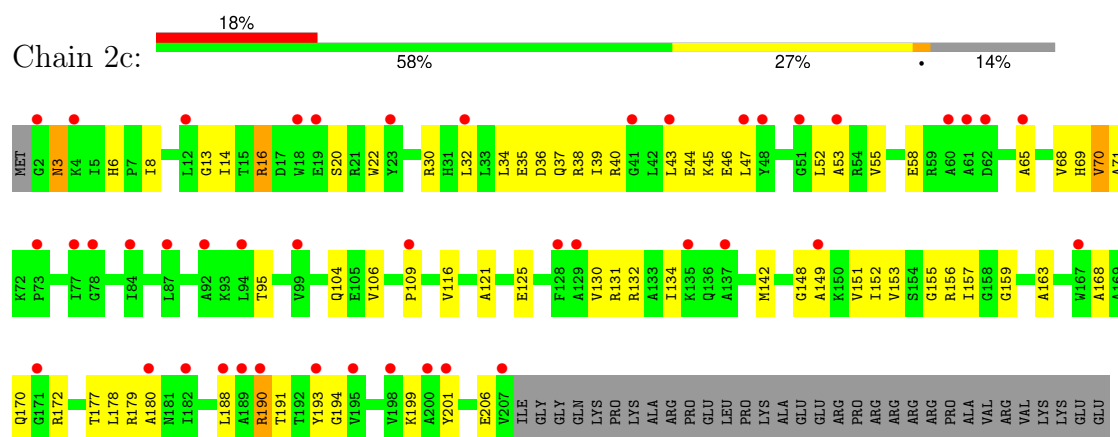
- Molecule 33: 30S ribosomal protein S2



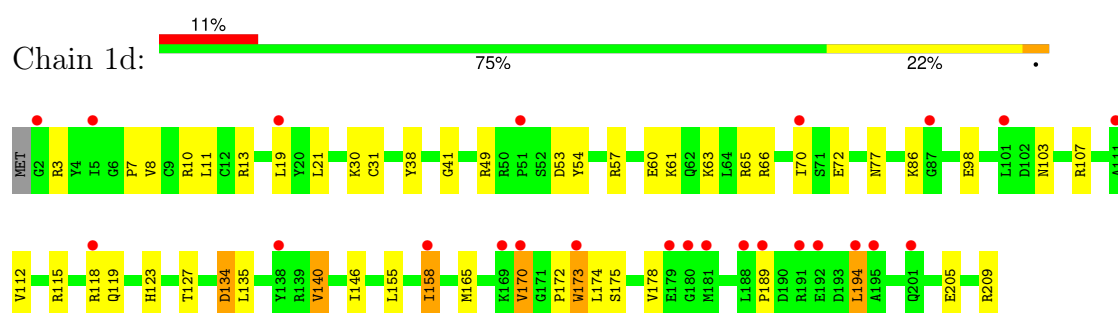
- Molecule 34: 30S ribosomal protein S3



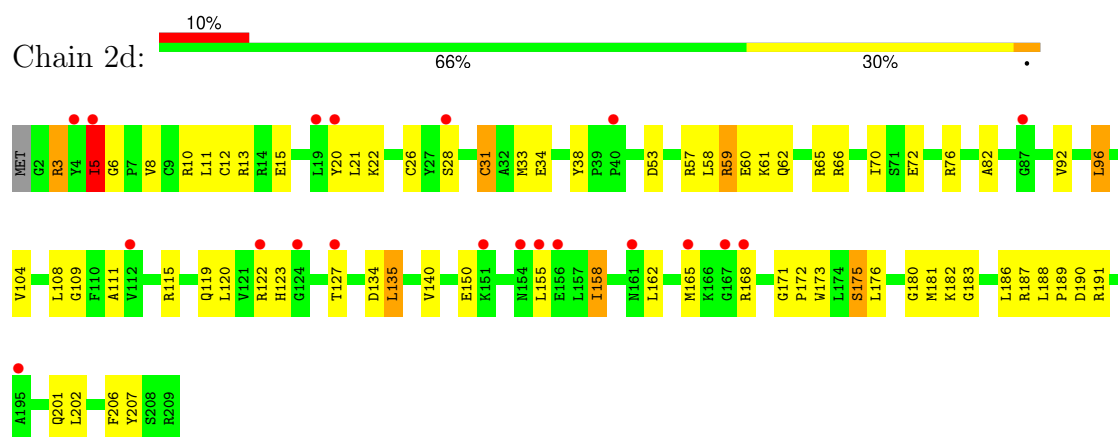
- Molecule 34: 30S ribosomal protein S3



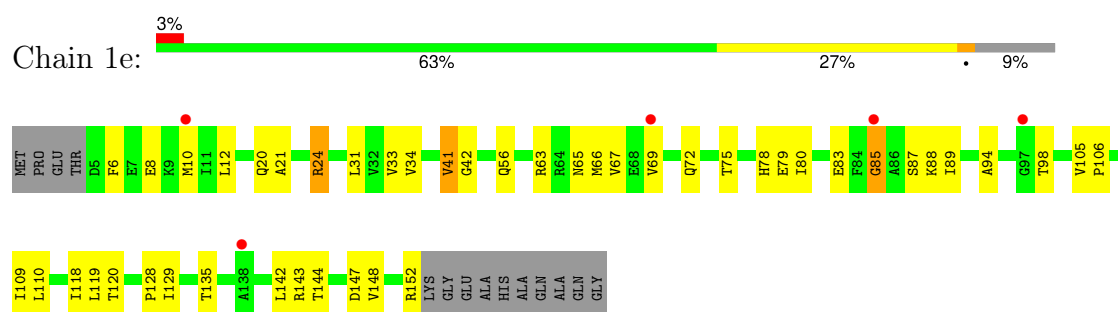
• Molecule 35: 30S ribosomal protein S4



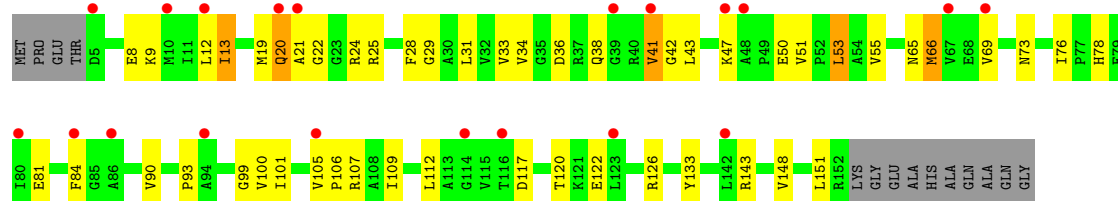
• Molecule 35: 30S ribosomal protein S4



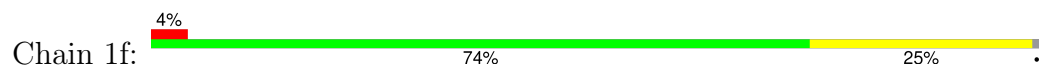
• Molecule 36: 30S ribosomal protein S5



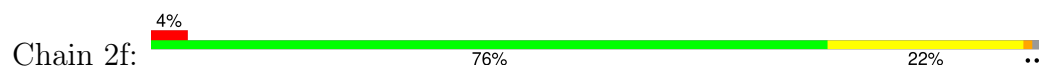
• Molecule 36: 30S ribosomal protein S5



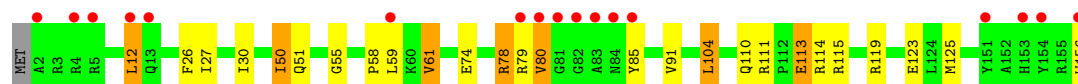
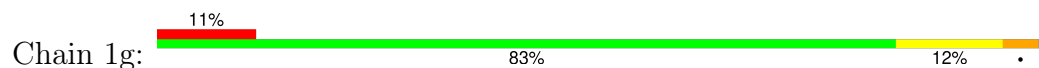
- Molecule 37: 30S ribosomal protein S6



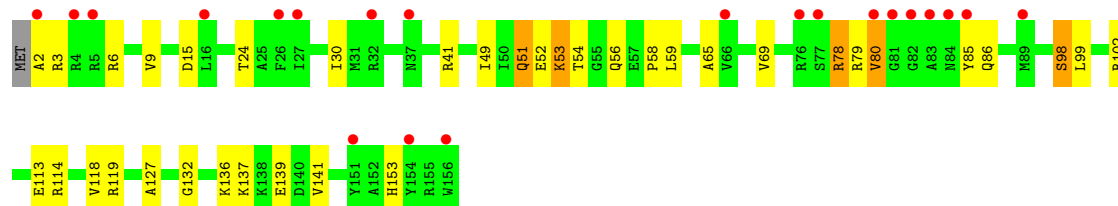
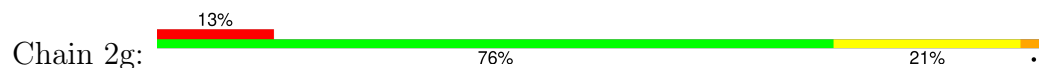
- Molecule 37: 30S ribosomal protein S6



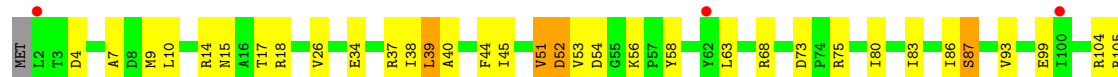
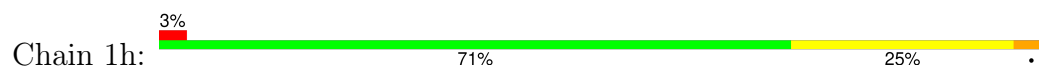
- Molecule 38: 30S ribosomal protein S7



- Molecule 38: 30S ribosomal protein S7

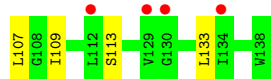
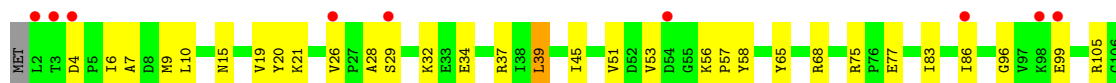
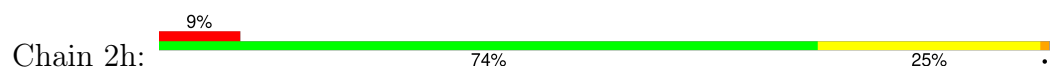


- Molecule 39: 30S ribosomal protein S8

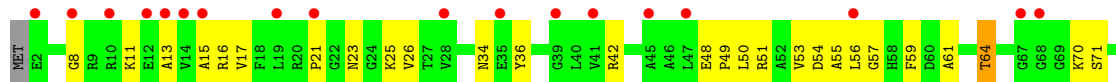




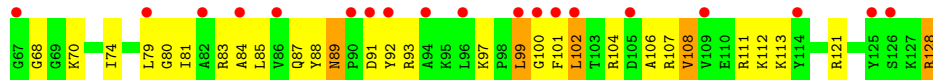
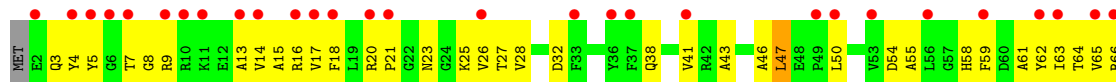
- Molecule 39: 30S ribosomal protein S8



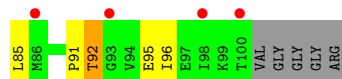
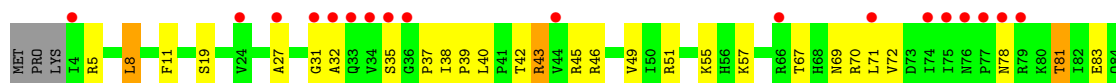
- Molecule 40: 30S ribosomal protein S9



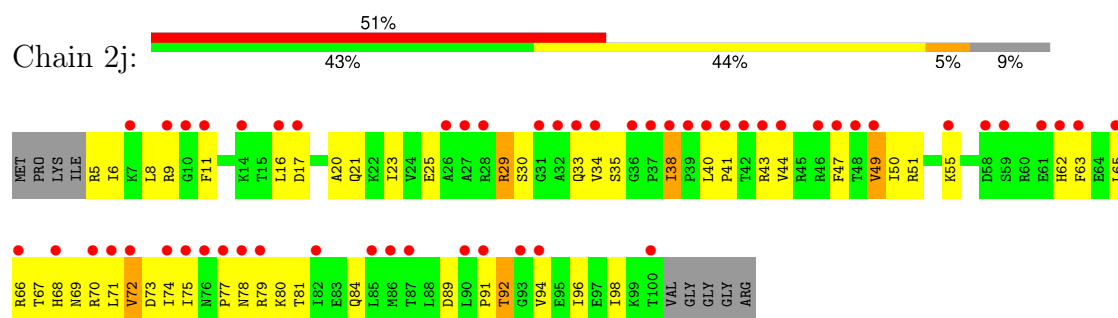
- Molecule 40: 30S ribosomal protein S9



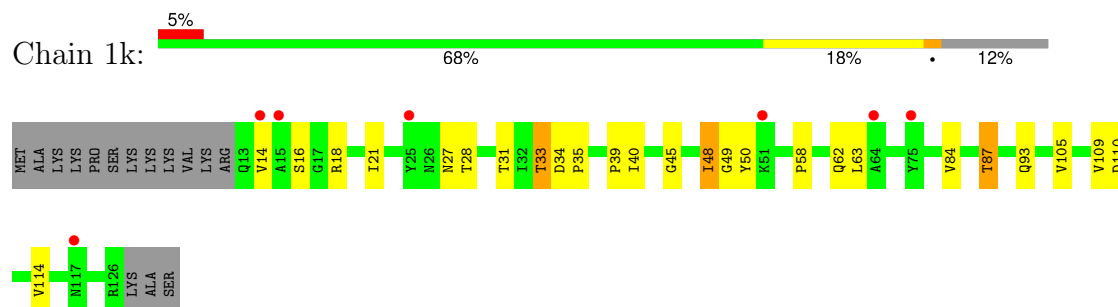
- Molecule 41: 30S ribosomal protein S10



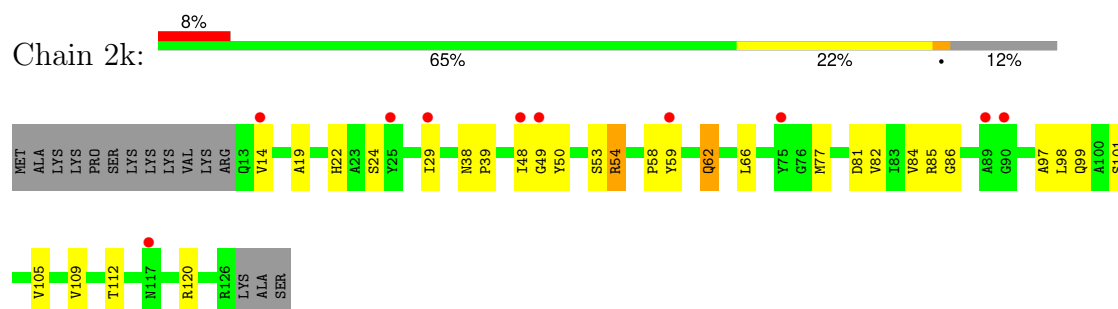
- Molecule 41: 30S ribosomal protein S10



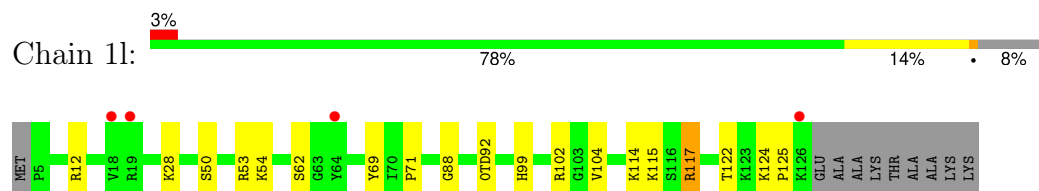
• Molecule 42: 30S ribosomal protein S11



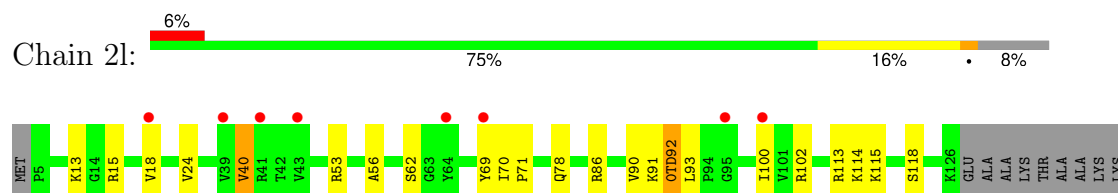
• Molecule 42: 30S ribosomal protein S11



• Molecule 43: 30S ribosomal protein S12

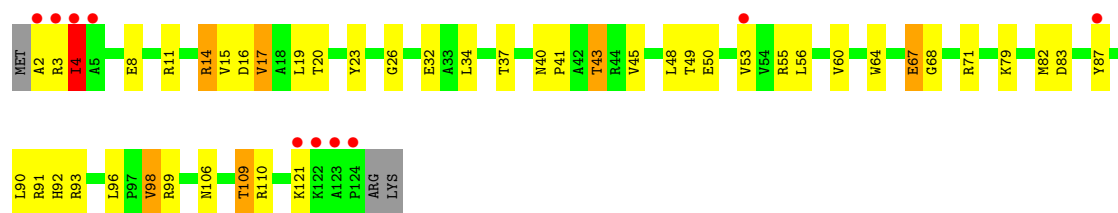


• Molecule 43: 30S ribosomal protein S12

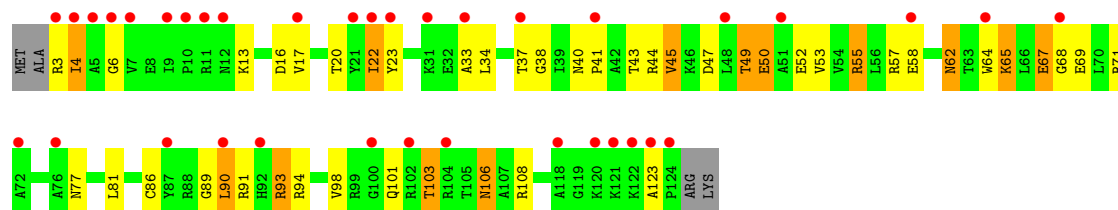


• Molecule 44: 30S ribosomal protein S13





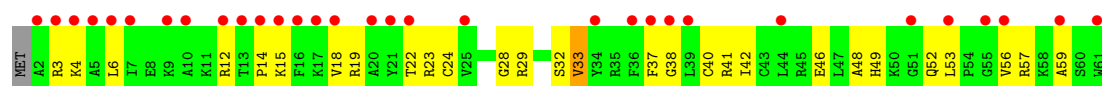
- Molecule 44: 30S ribosomal protein S13



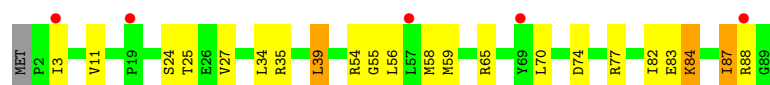
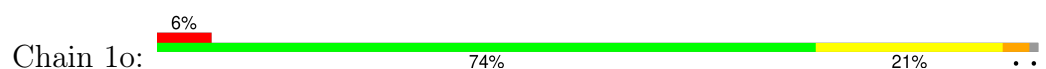
- Molecule 45: 30S ribosomal protein S14 type Z



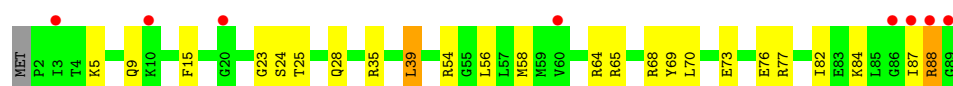
- Molecule 45: 30S ribosomal protein S14 type Z



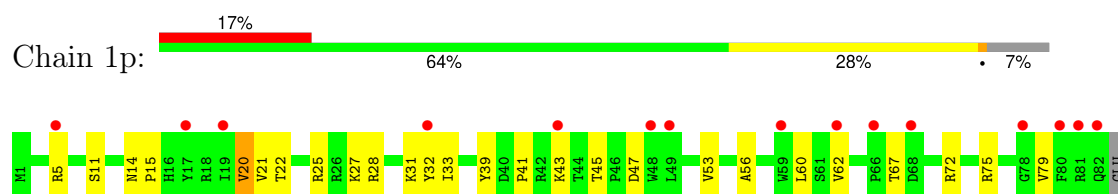
- Molecule 46: 30S ribosomal protein S15



- Molecule 46: 30S ribosomal protein S15

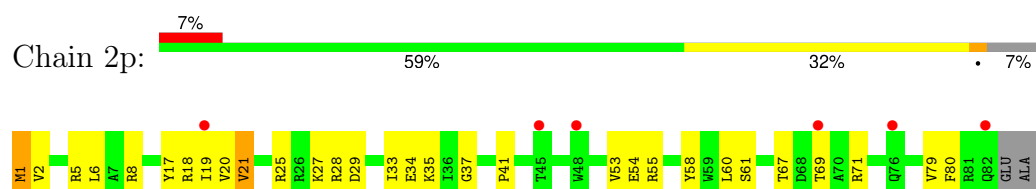


- Molecule 47: 30S ribosomal protein S16

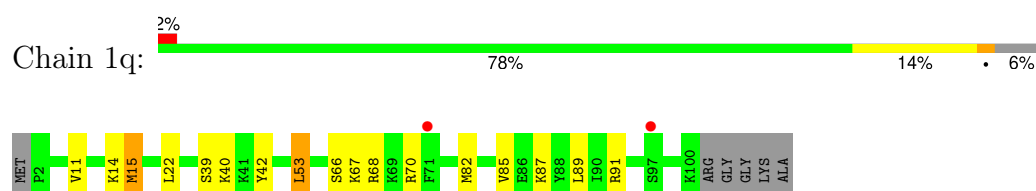


ALA
ARG
GLU
GLY
ALA

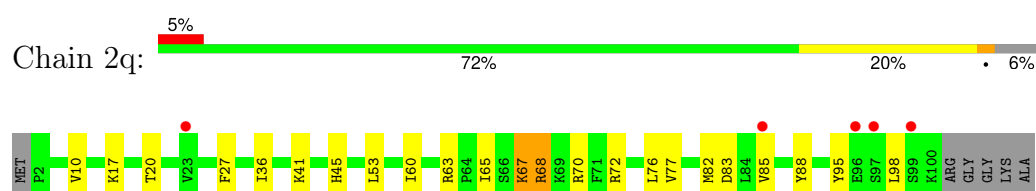
- Molecule 47: 30S ribosomal protein S16



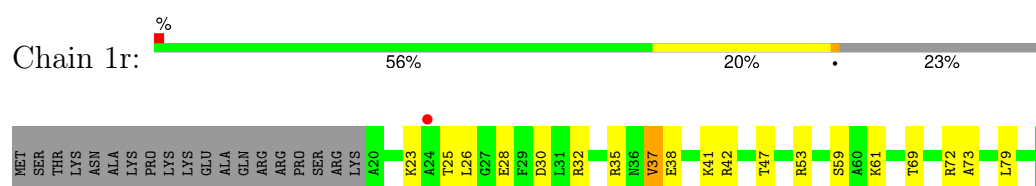
- Molecule 48: 30S ribosomal protein S17



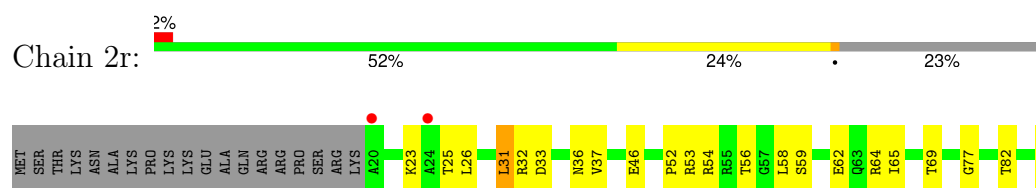
- Molecule 48: 30S ribosomal protein S17



- Molecule 49: 30S ribosomal protein S18

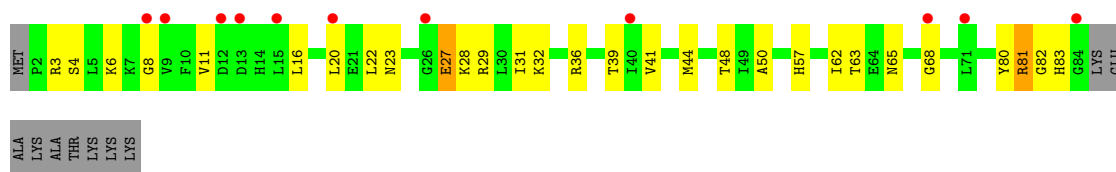


- Molecule 49: 30S ribosomal protein S18

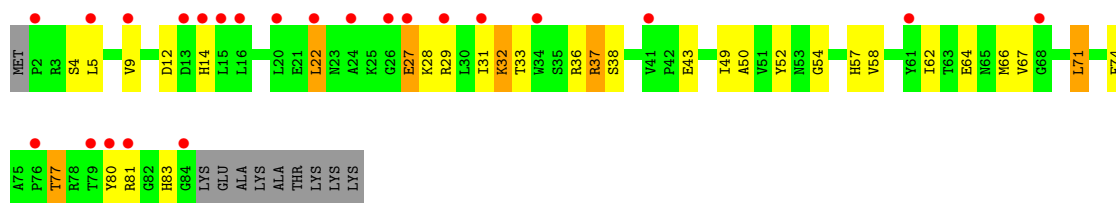


- Molecule 50: 30S ribosomal protein S19

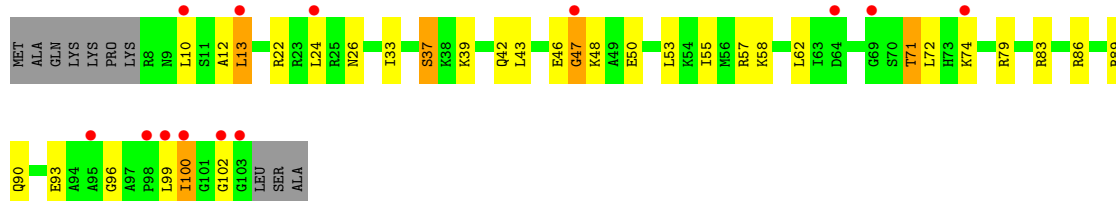




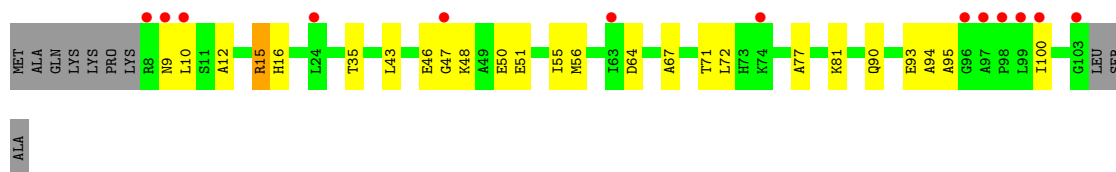
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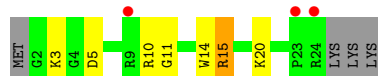
- Molecule 51: 30S ribosomal protein S20



- Molecule 51: 30S ribosomal protein S20

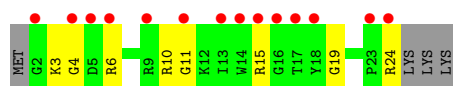


- Molecule 52: 30S ribosomal protein Thx



- Molecule 52: 30S ribosomal protein Thx

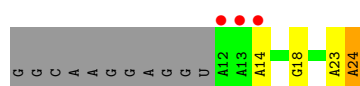




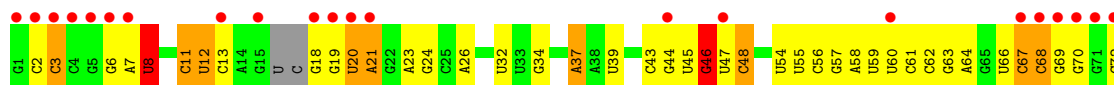
• Molecule 53: MF-mRNA



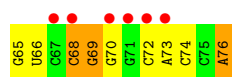
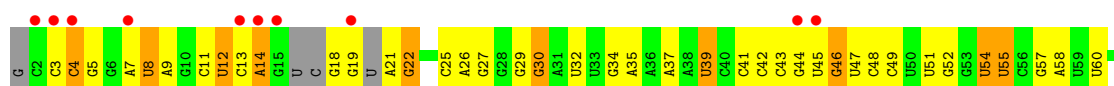
• Molecule 53: MF-mRNA



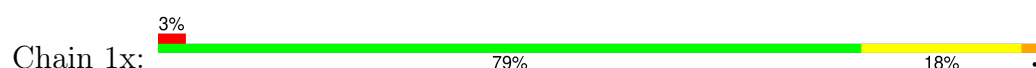
• Molecule 54: Aminoacylated Phe-tRNAphe



• Molecule 54: Aminoacylated Phe-tRNAphe



• Molecule 55: Aminoacylated fMet-tRNAmet

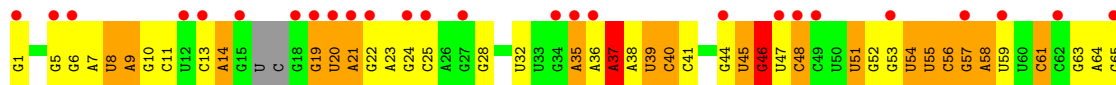
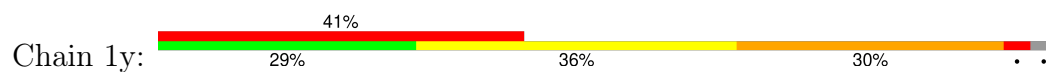


• Molecule 55: Aminoacylated fMet-tRNAmet

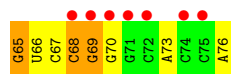
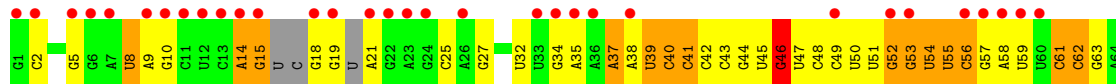




• Molecule 56: Deacylated tRNA^{phe}



• Molecule 56: Deacylated tRNA^{phe}



4 Data and refinement statistics

Property	Value	Source
Space group	P 21 21 21	Depositor
Cell constants a, b, c, α , β , γ	209.54Å 448.51Å 620.52Å 90.00° 90.00° 90.00°	Depositor
Resolution (Å)	147.20 – 2.40 147.20 – 2.40	Depositor EDS
% Data completeness (in resolution range)	99.3 (147.20-2.40) 99.3 (147.20-2.40)	Depositor EDS
R_{merge}	0.17	Depositor
R_{sym}	(Not available)	Depositor
$\langle I/\sigma(I) \rangle$ ¹	1.22 (at 2.40Å)	Xtriage
Refinement program	PHENIX 1.8.2	Depositor
R, R_{free}	0.220 , 0.260 0.221 , 0.261	Depositor DCC
R_{free} test set	111821 reflections (4.99%)	wwPDB-VP
Wilson B-factor (Å ²)	47.8	Xtriage
Anisotropy	0.085	Xtriage
Bulk solvent k_{sol} (e/Å ³), B_{sol} (Å ²)	0.33 , 49.6	EDS
L-test for twinning ²	$\langle L \rangle = 0.41$, $\langle L^2 \rangle = 0.23$	Xtriage
Estimated twinning fraction	No twinning to report.	Xtriage
F_o, F_c correlation	0.92	EDS
Total number of atoms	300319	wwPDB-VP
Average B, all atoms (Å ²)	57.0	wwPDB-VP

Xtriage's analysis on translational NCS is as follows: *The largest off-origin peak in the Patterson function is 1.54% 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: SF4, PSU, 5MC, 2MG, 4SU, 0TD, FME, M2G, OMU, 8AN, 4OC, MG, UR3, OMC, 2MA, K, ZN, 5MU, MIA, A1AE1, OMG, G7M, MA6

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	0.31	0/68985	0.51	5/107677 (0.0%)
1	2A	0.24	0/67269	0.43	2/104999 (0.0%)
2	1B	0.25	0/2882	0.43	0/4494
2	2B	0.20	0/2879	0.39	0/4487
3	1D	0.29	0/2186	0.50	0/2944
3	2D	0.25	0/2186	0.48	0/2944
4	1E	0.30	0/1592	0.53	0/2149
4	2E	0.22	0/1592	0.45	0/2149
5	1F	0.29	0/1619	0.54	0/2193
5	2F	0.22	0/1615	0.47	0/2188
6	1G	0.24	0/1448	0.52	1/1957 (0.1%)
6	2G	0.19	0/1453	0.44	0/1963
7	1H	0.23	0/1356	0.44	0/1834
7	2H	0.20	0/1356	0.37	0/1834
8	1I	0.21	0/1112	0.43	0/1514
8	2I	0.22	0/1079	0.41	0/1475
9	1N	0.28	0/1144	0.49	0/1543
9	2N	0.20	0/1144	0.42	0/1543
10	1O	0.29	0/943	0.48	0/1269
10	2O	0.22	0/943	0.41	0/1269
11	1P	0.27	0/1152	0.60	0/1533
11	2P	0.23	0/1152	0.52	0/1533
12	1Q	0.29	0/1143	0.52	0/1527
12	2Q	0.21	0/1143	0.43	0/1527
13	1R	0.32	0/982	0.51	0/1312
13	2R	0.24	0/982	0.47	0/1312
14	1S	0.23	0/883	0.49	0/1176
14	2S	0.22	0/880	0.47	0/1172
15	1T	0.27	0/1105	0.51	0/1477
15	2T	0.22	0/1097	0.42	0/1468
16	1U	0.31	0/977	0.52	0/1301

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	# Z >5	RMSZ	# Z >5
16	2U	0.22	0/977	0.43	0/1301
17	1V	0.28	0/782	0.51	0/1049
17	2V	0.21	0/782	0.40	0/1049
18	1W	0.32	0/897	0.49	0/1205
18	2W	0.23	0/897	0.41	0/1205
19	1X	0.28	0/764	0.54	2/1025 (0.2%)
19	2X	0.22	0/764	0.49	2/1025 (0.2%)
20	1Y	0.25	0/819	0.50	0/1095
20	2Y	0.21	0/819	0.44	0/1095
21	1Z	0.24	0/1267	0.46	0/1717
21	2Z	0.22	0/1299	0.44	0/1763
22	10	0.30	0/662	0.50	0/881
22	20	0.22	0/662	0.45	0/881
23	11	0.27	0/762	0.46	0/1014
23	21	0.27	0/762	0.41	0/1014
24	12	0.26	0/590	0.47	0/781
24	22	0.20	0/590	0.38	0/781
25	13	0.27	0/474	0.52	0/635
25	23	0.20	0/469	0.43	0/630
26	14	0.26	0/565	0.58	0/761
26	24	0.25	0/545	0.51	0/737
27	15	0.30	0/469	0.54	0/635
27	25	0.23	0/469	0.43	0/635
28	16	0.30	0/460	0.50	0/613
28	26	0.25	0/456	0.47	0/608
29	17	0.32	0/426	0.54	0/561
29	27	0.28	0/426	0.53	0/561
30	18	0.27	0/525	0.50	0/691
30	28	0.21	0/525	0.44	0/691
31	19	0.30	0/310	0.56	0/407
31	29	0.20	0/310	0.46	0/407
32	1a	0.22	0/35795	0.41	2/55864 (0.0%)
32	2a	0.21	0/35886	0.39	3/56005 (0.0%)
33	1b	0.23	0/1881	0.48	0/2542
33	2b	0.22	0/1860	0.47	0/2518
34	1c	0.21	0/1572	0.41	0/2126
34	2c	0.22	0/1566	0.43	0/2119
35	1d	0.22	0/1685	0.45	0/2262
35	2d	0.22	0/1704	0.45	0/2284
36	1e	0.21	0/1145	0.45	0/1543
36	2e	0.23	0/1149	0.50	0/1548
37	1f	0.21	0/823	0.41	0/1115
37	2f	0.22	0/829	0.39	0/1123

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	# Z >5	RMSZ	# Z >5
38	1g	0.20	0/1250	0.40	0/1679
38	2g	0.20	0/1254	0.42	0/1683
39	1h	0.20	0/1108	0.40	0/1494
39	2h	0.18	0/1108	0.40	0/1494
40	1i	0.22	0/1002	0.49	0/1346
40	2i	0.23	0/997	0.51	0/1343
41	1j	0.22	0/722	0.45	0/982
41	2j	0.23	0/727	0.47	0/988
42	1k	0.20	0/844	0.41	0/1145
42	2k	0.19	0/848	0.38	0/1149
43	1l	0.24	0/937	0.44	0/1260
43	2l	0.20	0/937	0.42	0/1260
44	1m	0.21	0/969	0.50	1/1302 (0.1%)
44	2m	0.21	0/961	0.48	0/1291
45	1n	0.21	0/501	0.44	0/664
45	2n	0.22	0/501	0.49	0/664
46	1o	0.22	0/739	0.39	0/985
46	2o	0.20	0/739	0.41	0/985
47	1p	0.22	0/697	0.47	0/939
47	2p	0.21	0/693	0.47	0/935
48	1q	0.21	0/836	0.43	0/1117
48	2q	0.20	0/836	0.46	1/1117 (0.1%)
49	1r	0.21	0/560	0.40	0/746
49	2r	0.19	0/560	0.40	0/746
50	1s	0.22	0/667	0.49	0/900
50	2s	0.23	0/661	0.54	0/893
51	1t	0.22	0/730	0.48	0/965
51	2t	0.23	0/729	0.48	1/965 (0.1%)
52	1u	0.21	0/203	0.49	0/266
52	2u	0.29	0/203	0.48	0/266
53	1v	0.22	0/310	0.35	0/480
53	2v	0.20	0/310	0.38	0/480
54	1w	0.31	1/1581 (0.1%)	0.44	0/2458
54	2w	0.31	2/1531 (0.1%)	0.42	0/2379
55	1x	0.31	1/1723 (0.1%)	0.45	0/2684
55	2x	0.27	0/1723	0.41	0/2684
56	1y	0.35	2/1606 (0.1%)	0.45	0/2497
56	2y	0.34	2/1583 (0.1%)	0.44	0/2459
All	All	0.25	8/316584 (0.0%)	0.45	20/473955 (0.0%)

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

sidechain that are expected to be planar.

Mol	Chain	#Chirality outliers	#Planarity outliers
11	1P	0	1
11	2P	0	1
26	24	0	1
33	1b	0	1
51	1t	0	1
All	All	0	5

The worst 5 of 8 bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
56	2y	8	4SU	O3'-P	5.61	1.61	1.56
56	1y	46	G7M	O3'-P	5.49	1.61	1.56
54	2w	46	G7M	O3'-P	5.47	1.61	1.56
56	2y	46	G7M	O3'-P	5.39	1.61	1.56
55	1x	8	4SU	O3'-P	5.31	1.61	1.56

The worst 5 of 20 bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	1A	1992	G	C2'-C3'-O3'	7.62	120.93	109.50
6	1G	127	GLY	N-CA-C	-6.19	105.94	114.67
1	2A	1992	G	C2'-C3'-O3'	6.13	118.70	109.50
32	2a	1272	G	N1-C2-N2	-5.79	98.82	116.20
1	1A	512	G	O4'-C1'-N9	5.72	116.79	108.20

There are no chirality outliers.

All (5) planarity outliers are listed below:

Mol	Chain	Res	Type	Group
11	1P	35	HIS	Peptide
33	1b	126	GLU	Peptide
51	1t	99	LEU	Peptide
26	24	59	PHE	Peptide
11	2P	35	HIS	Peptide

5.2 Too-close contacts

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

the asymmetric unit, whereas Symm-Clashes lists symmetry-related clashes.

Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
1	1A	61854	0	31201	523	0
1	2A	60324	0	30433	607	0
2	1B	2577	0	1305	23	0
2	2B	2575	0	1303	31	0
3	1D	2136	0	2218	31	0
3	2D	2136	0	2218	33	0
4	1E	1559	0	1618	23	0
4	2E	1559	0	1618	36	0
5	1F	1584	0	1625	35	0
5	2F	1580	0	1619	37	0
6	1G	1423	0	1436	39	0
6	2G	1428	0	1438	41	0
7	1H	1330	0	1407	23	0
7	2H	1330	0	1407	27	0
8	1I	1097	0	1140	37	0
8	2I	1064	0	1082	22	1
9	1N	1117	0	1184	18	0
9	2N	1117	0	1184	21	0
10	1O	933	0	996	20	0
10	2O	933	0	996	22	0
11	1P	1135	0	1212	29	0
11	2P	1135	0	1212	29	0
12	1Q	1122	0	1179	14	0
12	2Q	1122	0	1179	24	0
13	1R	968	0	1033	11	0
13	2R	968	0	1033	24	0
14	1S	873	0	927	12	0
14	2S	870	0	923	30	0
15	1T	1091	0	1151	17	0
15	2T	1083	0	1136	25	0
16	1U	959	0	1019	15	0
16	2U	959	0	1019	15	0
17	1V	771	0	830	9	0
17	2V	771	0	830	9	0
18	1W	886	0	940	9	0
18	2W	886	0	940	12	0
19	1X	750	0	814	7	0
19	2X	750	0	814	16	0
20	1Y	806	0	881	13	0
20	2Y	806	0	881	15	0
21	1Z	1240	0	1240	33	0
21	2Z	1271	0	1273	44	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
22	10	653	0	674	10	0
22	20	653	0	674	13	0
23	11	755	0	826	10	0
23	21	755	0	826	11	0
24	12	588	0	643	2	0
24	22	588	0	643	12	0
25	13	469	0	518	8	0
25	23	464	0	514	9	0
26	14	552	0	533	34	0
26	24	532	0	503	19	0
27	15	455	0	465	4	0
27	25	455	0	465	10	0
28	16	453	0	473	9	0
28	26	449	0	469	8	0
29	17	418	0	467	8	0
29	27	418	0	467	6	0
30	18	517	0	582	12	0
30	28	517	0	582	13	0
31	19	307	0	335	4	0
31	29	307	0	335	4	0
32	1a	32246	0	16295	334	1
32	2a	32327	0	16338	425	0
33	1b	1846	0	1867	59	0
33	2b	1825	0	1828	76	0
34	1c	1548	0	1535	30	0
34	2c	1542	0	1517	53	0
35	1d	1655	0	1672	31	0
35	2d	1674	0	1714	48	0
36	1e	1129	0	1185	28	0
36	2e	1133	0	1191	38	0
37	1f	810	0	804	13	0
37	2f	816	0	808	14	0
38	1g	1231	0	1238	15	0
38	2g	1235	0	1249	24	0
39	1h	1088	0	1126	24	0
39	2h	1088	0	1126	23	0
40	1i	983	0	986	20	0
40	2i	978	0	966	49	0
41	1j	709	0	650	25	0
41	2j	714	0	672	38	0
42	1k	829	0	825	13	0
42	2k	833	0	836	13	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
43	1l	932	0	981	11	0
43	2l	932	0	980	15	0
44	1m	958	0	1002	27	0
44	2m	950	0	988	38	0
45	1n	492	0	529	11	0
45	2n	492	0	529	22	0
46	1o	728	0	760	13	0
46	2o	728	0	760	20	0
47	1p	681	0	697	12	0
47	2p	677	0	686	18	0
48	1q	823	0	891	12	0
48	2q	823	0	891	12	0
49	1r	555	0	618	12	0
49	2r	555	0	618	15	0
50	1s	652	0	662	18	0
50	2s	646	0	644	24	0
51	1t	728	0	798	18	0
51	2t	727	0	796	13	0
52	1u	199	0	208	6	0
52	2u	199	0	208	7	0
53	1v	277	0	140	1	0
53	2v	277	0	140	4	0
54	1w	1592	0	817	24	0
54	2w	1544	0	783	21	0
55	1x	1646	0	838	10	0
55	2x	1646	0	838	22	0
56	1y	1585	0	803	39	0
56	2y	1565	0	794	33	0
57	10	11	0	0	0	0
57	11	6	0	0	0	0
57	12	2	0	0	0	0
57	13	4	0	0	0	0
57	14	1	0	0	0	0
57	15	7	0	0	0	0
57	16	1	0	0	0	0
57	17	7	0	0	0	0
57	18	6	0	0	0	0
57	19	1	0	0	0	0
57	1A	1093	0	0	0	0
57	1B	36	0	0	0	0
57	1D	14	0	0	0	0
57	1E	16	0	0	0	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
57	1F	14	0	0	0	0
57	1G	4	0	0	0	0
57	1H	1	0	0	0	0
57	1I	1	0	0	0	0
57	1N	7	0	0	0	0
57	1O	6	0	0	0	0
57	1P	6	0	0	0	0
57	1Q	8	0	0	0	0
57	1R	3	0	0	0	0
57	1S	3	0	0	0	0
57	1T	4	0	0	0	0
57	1U	9	0	0	0	0
57	1V	8	0	0	0	0
57	1W	6	0	0	0	0
57	1X	7	0	0	0	0
57	1Y	2	0	0	0	0
57	1Z	3	0	0	0	0
57	1a	214	0	0	0	0
57	1b	1	0	0	0	0
57	1d	1	0	0	0	0
57	1e	2	0	0	0	0
57	1f	1	0	0	0	0
57	1h	1	0	0	0	0
57	1k	1	0	0	0	0
57	1l	2	0	0	0	0
57	1m	1	0	0	0	0
57	1n	2	0	0	0	0
57	1r	1	0	0	0	0
57	1t	1	0	0	0	0
57	1v	1	0	0	0	0
57	1w	8	0	0	0	0
57	1x	14	0	0	0	0
57	20	4	0	0	0	0
57	21	1	0	0	0	0
57	23	3	0	0	0	0
57	25	5	0	0	0	0
57	26	1	0	0	0	0
57	27	3	0	0	0	0
57	28	3	0	0	0	0
57	29	1	0	0	0	0
57	2A	854	0	0	0	0
57	2B	18	0	0	0	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
57	2D	8	0	0	0	0
57	2E	11	0	0	0	0
57	2F	5	0	0	0	0
57	2G	1	0	0	0	0
57	2N	1	0	0	0	0
57	2O	1	0	0	0	0
57	2P	2	0	0	0	0
57	2Q	2	0	0	0	0
57	2R	2	0	0	0	0
57	2T	3	0	0	0	0
57	2U	1	0	0	0	0
57	2V	2	0	0	0	0
57	2W	1	0	0	0	0
57	2X	2	0	0	0	0
57	2Y	1	0	0	0	0
57	2Z	1	0	0	0	0
57	2a	210	0	0	0	0
57	2d	2	0	0	0	0
57	2e	1	0	0	0	0
57	2f	2	0	0	0	0
57	2g	1	0	0	0	0
57	2j	1	0	0	0	0
57	2l	5	0	0	0	0
57	2q	2	0	0	0	0
57	2r	1	0	0	0	0
57	2t	1	0	0	0	0
57	2v	3	0	0	0	0
57	2w	7	0	0	0	0
57	2x	7	0	0	0	0
57	2y	5	0	0	0	0
58	1A	1	0	0	0	0
58	2A	1	0	0	0	0
59	1A	76	0	0	0	0
59	2A	76	0	0	1	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

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
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	1d	8	0	0	0	0
61	2d	8	0	0	4	0
62	1w	11	0	8	1	0
62	2w	11	0	8	1	0
63	1x	10	0	10	0	0
63	2x	10	0	10	0	0
64	10	12	0	0	0	0
64	11	11	0	0	0	0
64	12	3	0	0	0	0
64	13	5	0	0	1	0
64	14	1	0	0	0	0
64	15	9	0	0	0	0
64	16	1	0	0	0	0
64	17	11	0	0	0	0
64	18	11	0	0	0	0
64	1A	2061	0	0	63	0
64	1B	60	0	0	3	0
64	1D	29	0	0	1	0
64	1E	27	0	0	1	0
64	1F	16	0	0	1	0
64	1G	1	0	0	0	0
64	1H	1	0	0	0	0
64	1N	5	0	0	0	0
64	1O	6	0	0	0	0
64	1P	22	0	0	1	0
64	1Q	9	0	0	0	0
64	1R	10	0	0	1	0
64	1S	4	0	0	0	0
64	1T	8	0	0	1	0
64	1U	10	0	0	0	0
64	1V	8	0	0	0	0
64	1W	9	0	0	1	0
64	1X	6	0	0	0	0
64	1Y	3	0	0	1	0
64	1Z	1	0	0	0	0
64	1a	388	0	0	22	0
64	1b	1	0	0	0	0
64	1c	2	0	0	0	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
64	1d	2	0	0	1	0
64	1e	3	0	0	0	0
64	1f	1	0	0	0	0
64	1g	1	0	0	0	0
64	1i	1	0	0	0	0
64	1j	2	0	0	0	0
64	1l	7	0	0	0	0
64	1m	1	0	0	0	0
64	1n	2	0	0	0	0
64	1o	1	0	0	0	0
64	1p	1	0	0	0	0
64	1q	2	0	0	0	0
64	1u	1	0	0	1	0
64	1v	5	0	0	0	0
64	1w	14	0	0	2	0
64	1x	15	0	0	1	0
64	1y	1	0	0	0	0
64	20	3	0	0	0	0
64	21	11	0	0	0	0
64	23	2	0	0	1	0
64	25	2	0	0	0	0
64	27	5	0	0	0	0
64	28	3	0	0	0	0
64	29	1	0	0	0	0
64	2A	1142	0	0	70	0
64	2B	19	0	0	0	0
64	2D	23	0	0	0	0
64	2E	12	0	0	0	0
64	2F	12	0	0	0	0
64	2I	2	0	0	0	0
64	2O	2	0	0	0	0
64	2P	11	0	0	0	0
64	2Q	2	0	0	0	0
64	2R	3	0	0	0	0
64	2T	5	0	0	0	0
64	2U	3	0	0	0	0
64	2V	1	0	0	0	0
64	2X	3	0	0	0	0
64	2Y	1	0	0	0	0
64	2Z	1	0	0	0	0
64	2a	221	0	0	12	0
64	2c	1	0	0	0	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
64	2d	2	0	0	0	0
64	2g	1	0	0	0	0
64	2j	3	0	0	2	0
64	2l	4	0	0	1	0
64	2p	2	0	0	0	0
64	2q	1	0	0	0	0
64	2r	1	0	0	0	0
64	2t	1	0	0	0	0
64	2v	2	0	0	0	0
64	2w	3	0	0	0	0
64	2x	7	0	0	0	0
64	2y	2	0	0	0	0
All	All	300319	0	196751	3569	1

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 7.

The worst 5 of 3569 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	1.13	1.41
1:1A:1082:U:N3	1:1A:1086:A:N6	1.99	1.09
1:1A:1798:U:H5'	3:1D:259:THR:HG22	1.42	1.01
1:1A:1082:U:O4	1:1A:1086:A:N1	1.95	1.00
32:2a:1286:A:H8	32:2a:1287:A:H4'	1.30	0.93

All (1) symmetry-related close contacts are listed below. The label for Atom-2 includes the symmetry operator and encoded unit-cell translations to be applied.

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
32:1a:358:U:OP1	8:2I:121:LYS:NZ[2_655]	2.17	0.03

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%)	260 (95%)	13 (5%)	0	100	100
3	2D	273/276 (99%)	259 (95%)	14 (5%)	0	100	100
4	1E	202/206 (98%)	190 (94%)	11 (5%)	1 (0%)	24	37
4	2E	202/206 (98%)	190 (94%)	11 (5%)	1 (0%)	24	37
5	1F	201/210 (96%)	197 (98%)	3 (2%)	1 (0%)	24	37
5	2F	201/210 (96%)	192 (96%)	8 (4%)	1 (0%)	24	37
6	1G	179/182 (98%)	168 (94%)	11 (6%)	0	100	100
6	2G	179/182 (98%)	156 (87%)	18 (10%)	5 (3%)	4	3
7	1H	172/180 (96%)	165 (96%)	7 (4%)	0	100	100
7	2H	172/180 (96%)	153 (89%)	18 (10%)	1 (1%)	21	32
8	1I	144/148 (97%)	134 (93%)	10 (7%)	0	100	100
8	2I	144/148 (97%)	123 (85%)	18 (12%)	3 (2%)	5	7
9	1N	138/140 (99%)	133 (96%)	5 (4%)	0	100	100
9	2N	138/140 (99%)	129 (94%)	8 (6%)	1 (1%)	18	28
10	1O	120/122 (98%)	113 (94%)	7 (6%)	0	100	100
10	2O	120/122 (98%)	115 (96%)	5 (4%)	0	100	100
11	1P	147/150 (98%)	130 (88%)	15 (10%)	2 (1%)	9	13
11	2P	147/150 (98%)	132 (90%)	12 (8%)	3 (2%)	6	7
12	1Q	139/141 (99%)	134 (96%)	5 (4%)	0	100	100
12	2Q	139/141 (99%)	132 (95%)	7 (5%)	0	100	100
13	1R	116/118 (98%)	113 (97%)	3 (3%)	0	100	100
13	2R	116/118 (98%)	112 (97%)	4 (3%)	0	100	100
14	1S	108/112 (96%)	102 (94%)	6 (6%)	0	100	100
14	2S	108/112 (96%)	101 (94%)	6 (6%)	1 (1%)	14	22
15	1T	129/146 (88%)	124 (96%)	4 (3%)	1 (1%)	16	25
15	2T	129/146 (88%)	121 (94%)	8 (6%)	0	100	100
16	1U	114/118 (97%)	114 (100%)	0	0	100	100
16	2U	114/118 (97%)	113 (99%)	1 (1%)	0	100	100
17	1V	99/101 (98%)	94 (95%)	4 (4%)	1 (1%)	12	20
17	2V	99/101 (98%)	92 (93%)	6 (6%)	1 (1%)	12	20

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
18	1W	110/113 (97%)	110 (100%)	0	0	100	100
18	2W	110/113 (97%)	108 (98%)	2 (2%)	0	100	100
19	1X	93/96 (97%)	89 (96%)	3 (3%)	1 (1%)	11	18
19	2X	93/96 (97%)	88 (95%)	5 (5%)	0	100	100
20	1Y	105/110 (96%)	98 (93%)	6 (6%)	1 (1%)	12	20
20	2Y	105/110 (96%)	97 (92%)	7 (7%)	1 (1%)	12	20
21	1Z	148/206 (72%)	136 (92%)	11 (7%)	1 (1%)	18	28
21	2Z	156/206 (76%)	131 (84%)	20 (13%)	5 (3%)	3	3
22	10	81/85 (95%)	80 (99%)	1 (1%)	0	100	100
22	20	81/85 (95%)	79 (98%)	2 (2%)	0	100	100
23	11	95/98 (97%)	94 (99%)	0	1 (1%)	11	18
23	21	95/98 (97%)	92 (97%)	2 (2%)	1 (1%)	11	18
24	12	68/72 (94%)	67 (98%)	1 (2%)	0	100	100
24	22	68/72 (94%)	68 (100%)	0	0	100	100
25	13	57/60 (95%)	56 (98%)	1 (2%)	0	100	100
25	23	57/60 (95%)	53 (93%)	4 (7%)	0	100	100
26	14	67/71 (94%)	57 (85%)	4 (6%)	6 (9%)	0	0
26	24	67/71 (94%)	49 (73%)	14 (21%)	4 (6%)	1	0
27	15	57/60 (95%)	54 (95%)	3 (5%)	0	100	100
27	25	57/60 (95%)	57 (100%)	0	0	100	100
28	16	51/54 (94%)	50 (98%)	1 (2%)	0	100	100
28	26	51/54 (94%)	49 (96%)	2 (4%)	0	100	100
29	17	46/49 (94%)	46 (100%)	0	0	100	100
29	27	46/49 (94%)	46 (100%)	0	0	100	100
30	18	62/65 (95%)	61 (98%)	1 (2%)	0	100	100
30	28	62/65 (95%)	62 (100%)	0	0	100	100
31	19	35/37 (95%)	35 (100%)	0	0	100	100
31	29	35/37 (95%)	34 (97%)	1 (3%)	0	100	100
33	1b	229/256 (90%)	196 (86%)	26 (11%)	7 (3%)	3	3
33	2b	229/256 (90%)	194 (85%)	30 (13%)	5 (2%)	5	6
34	1c	204/239 (85%)	193 (95%)	11 (5%)	0	100	100

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
34	2c	204/239 (85%)	178 (87%)	23 (11%)	3 (2%)	8	12
35	1d	206/209 (99%)	195 (95%)	10 (5%)	1 (0%)	24	37
35	2d	206/209 (99%)	192 (93%)	12 (6%)	2 (1%)	12	20
36	1e	146/162 (90%)	137 (94%)	6 (4%)	3 (2%)	5	7
36	2e	146/162 (90%)	133 (91%)	12 (8%)	1 (1%)	18	28
37	1f	98/101 (97%)	93 (95%)	5 (5%)	0	100	100
37	2f	98/101 (97%)	95 (97%)	3 (3%)	0	100	100
38	1g	153/156 (98%)	142 (93%)	11 (7%)	0	100	100
38	2g	153/156 (98%)	137 (90%)	15 (10%)	1 (1%)	18	28
39	1h	135/138 (98%)	128 (95%)	7 (5%)	0	100	100
39	2h	135/138 (98%)	125 (93%)	10 (7%)	0	100	100
40	1i	125/128 (98%)	109 (87%)	14 (11%)	2 (2%)	7	11
40	2i	125/128 (98%)	109 (87%)	15 (12%)	1 (1%)	16	25
41	1j	95/105 (90%)	84 (88%)	10 (10%)	1 (1%)	11	18
41	2j	94/105 (90%)	77 (82%)	13 (14%)	4 (4%)	2	1
42	1k	112/129 (87%)	100 (89%)	10 (9%)	2 (2%)	6	9
42	2k	112/129 (87%)	102 (91%)	9 (8%)	1 (1%)	14	22
43	1l	119/132 (90%)	114 (96%)	5 (4%)	0	100	100
43	2l	119/132 (90%)	109 (92%)	9 (8%)	1 (1%)	16	25
44	1m	121/126 (96%)	110 (91%)	9 (7%)	2 (2%)	7	10
44	2m	120/126 (95%)	103 (86%)	14 (12%)	3 (2%)	4	5
45	1n	58/61 (95%)	56 (97%)	2 (3%)	0	100	100
45	2n	58/61 (95%)	53 (91%)	5 (9%)	0	100	100
46	1o	86/89 (97%)	81 (94%)	5 (6%)	0	100	100
46	2o	86/89 (97%)	84 (98%)	1 (1%)	1 (1%)	10	16
47	1p	80/88 (91%)	73 (91%)	7 (9%)	0	100	100
47	2p	80/88 (91%)	73 (91%)	7 (9%)	0	100	100
48	1q	97/105 (92%)	91 (94%)	6 (6%)	0	100	100
48	2q	97/105 (92%)	91 (94%)	4 (4%)	2 (2%)	5	7
49	1r	66/88 (75%)	61 (92%)	5 (8%)	0	100	100
49	2r	66/88 (75%)	64 (97%)	2 (3%)	0	100	100

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
50	1s	81/93 (87%)	74 (91%)	6 (7%)	1 (1%)	10	16
50	2s	81/93 (87%)	66 (82%)	13 (16%)	2 (2%)	4	5
51	1t	94/106 (89%)	82 (87%)	10 (11%)	2 (2%)	5	7
51	2t	94/106 (89%)	84 (89%)	9 (10%)	1 (1%)	11	18
52	1u	21/27 (78%)	20 (95%)	1 (5%)	0	100	100
52	2u	21/27 (78%)	19 (90%)	2 (10%)	0	100	100
All	All	11370/12128 (94%)	10564 (93%)	713 (6%)	93 (1%)	16	25

5 of 93 Ramachandran outliers are listed below:

Mol	Chain	Res	Type
11	1P	45	LEU
40	1i	54	ASP
44	1m	67	GLU
5	2F	130	ALA
6	2G	51	ARG

5.3.2 Protein sidechains ⓘ

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

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

Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
3	1D	215/218 (99%)	209 (97%)	6 (3%)	38	60
3	2D	215/218 (99%)	205 (95%)	10 (5%)	23	41
4	1E	164/166 (99%)	156 (95%)	8 (5%)	22	39
4	2E	164/166 (99%)	152 (93%)	12 (7%)	13	22
5	1F	160/166 (96%)	142 (89%)	18 (11%)	5	8
5	2F	159/166 (96%)	147 (92%)	12 (8%)	12	21
6	1G	143/156 (92%)	130 (91%)	13 (9%)	9	14
6	2G	143/156 (92%)	123 (86%)	20 (14%)	3	4
7	1H	144/148 (97%)	136 (94%)	8 (6%)	19	33
7	2H	144/148 (97%)	132 (92%)	12 (8%)	10	17

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
8	1I	113/124 (91%)	95 (84%)	18 (16%)	2	3
8	2I	105/124 (85%)	90 (86%)	15 (14%)	3	4
9	1N	118/119 (99%)	112 (95%)	6 (5%)	21	37
9	2N	118/119 (99%)	114 (97%)	4 (3%)	32	54
10	1O	100/100 (100%)	97 (97%)	3 (3%)	36	58
10	2O	100/100 (100%)	93 (93%)	7 (7%)	14	24
11	1P	115/116 (99%)	107 (93%)	8 (7%)	14	24
11	2P	115/116 (99%)	107 (93%)	8 (7%)	14	24
12	1Q	111/111 (100%)	105 (95%)	6 (5%)	20	35
12	2Q	111/111 (100%)	106 (96%)	5 (4%)	24	42
13	1R	101/101 (100%)	96 (95%)	5 (5%)	22	38
13	2R	101/101 (100%)	96 (95%)	5 (5%)	22	38
14	1S	86/88 (98%)	79 (92%)	7 (8%)	11	18
14	2S	85/88 (97%)	72 (85%)	13 (15%)	3	3
15	1T	115/127 (91%)	112 (97%)	3 (3%)	40	63
15	2T	113/127 (89%)	110 (97%)	3 (3%)	39	62
16	1U	93/94 (99%)	89 (96%)	4 (4%)	26	44
16	2U	93/94 (99%)	90 (97%)	3 (3%)	34	56
17	1V	80/82 (98%)	74 (92%)	6 (8%)	12	21
17	2V	80/82 (98%)	74 (92%)	6 (8%)	12	21
18	1W	90/92 (98%)	86 (96%)	4 (4%)	25	43
18	2W	90/92 (98%)	84 (93%)	6 (7%)	15	26
19	1X	77/78 (99%)	77 (100%)	0	100	100
19	2X	77/78 (99%)	74 (96%)	3 (4%)	28	48
20	1Y	85/91 (93%)	77 (91%)	8 (9%)	8	13
20	2Y	85/91 (93%)	76 (89%)	9 (11%)	6	10
21	1Z	135/179 (75%)	123 (91%)	12 (9%)	9	15
21	2Z	137/179 (76%)	124 (90%)	13 (10%)	8	13
22	10	65/67 (97%)	63 (97%)	2 (3%)	35	57
22	20	65/67 (97%)	64 (98%)	1 (2%)	57	77
23	11	80/83 (96%)	76 (95%)	4 (5%)	22	38

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
23	21	80/83 (96%)	76 (95%)	4 (5%)	22	38
24	12	65/67 (97%)	61 (94%)	4 (6%)	16	29
24	22	65/67 (97%)	61 (94%)	4 (6%)	16	29
25	13	51/52 (98%)	48 (94%)	3 (6%)	18	31
25	23	50/52 (96%)	46 (92%)	4 (8%)	11	19
26	14	59/63 (94%)	45 (76%)	14 (24%)	1	1
26	24	53/63 (84%)	43 (81%)	10 (19%)	1	2
27	15	50/52 (96%)	48 (96%)	2 (4%)	28	47
27	25	50/52 (96%)	48 (96%)	2 (4%)	28	47
28	16	51/52 (98%)	46 (90%)	5 (10%)	7	12
28	26	50/52 (96%)	47 (94%)	3 (6%)	17	31
29	17	41/42 (98%)	36 (88%)	5 (12%)	5	7
29	27	41/42 (98%)	36 (88%)	5 (12%)	5	7
30	18	54/55 (98%)	52 (96%)	2 (4%)	30	51
30	28	54/55 (98%)	52 (96%)	2 (4%)	30	51
31	19	34/34 (100%)	32 (94%)	2 (6%)	18	31
31	29	34/34 (100%)	34 (100%)	0	100	100
33	1b	192/220 (87%)	168 (88%)	24 (12%)	4	6
33	2b	187/220 (85%)	162 (87%)	25 (13%)	4	5
34	1c	142/188 (76%)	126 (89%)	16 (11%)	5	8
34	2c	140/188 (74%)	132 (94%)	8 (6%)	18	33
35	1d	169/181 (93%)	153 (90%)	16 (10%)	8	13
35	2d	173/181 (96%)	156 (90%)	17 (10%)	7	12
36	1e	113/123 (92%)	106 (94%)	7 (6%)	16	29
36	2e	114/123 (93%)	104 (91%)	10 (9%)	9	15
37	1f	84/90 (93%)	76 (90%)	8 (10%)	8	13
37	2f	85/90 (94%)	78 (92%)	7 (8%)	10	18
38	1g	119/127 (94%)	106 (89%)	13 (11%)	6	9
38	2g	120/127 (94%)	108 (90%)	12 (10%)	7	11
39	1h	114/119 (96%)	106 (93%)	8 (7%)	14	24
39	2h	114/119 (96%)	111 (97%)	3 (3%)	40	63

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
40	1i	90/99 (91%)	83 (92%)	7 (8%)	11	20
40	2i	89/99 (90%)	75 (84%)	14 (16%)	2	3
41	1j	66/92 (72%)	57 (86%)	9 (14%)	3	5
41	2j	69/92 (75%)	62 (90%)	7 (10%)	7	11
42	1k	82/99 (83%)	74 (90%)	8 (10%)	7	12
42	2k	83/99 (84%)	73 (88%)	10 (12%)	5	7
43	1l	96/108 (89%)	94 (98%)	2 (2%)	47	69
43	2l	96/108 (89%)	92 (96%)	4 (4%)	26	45
44	1m	93/101 (92%)	83 (89%)	10 (11%)	6	9
44	2m	92/101 (91%)	74 (80%)	18 (20%)	1	2
45	1n	49/50 (98%)	43 (88%)	6 (12%)	5	7
45	2n	49/50 (98%)	42 (86%)	7 (14%)	3	4
46	1o	78/80 (98%)	71 (91%)	7 (9%)	9	15
46	2o	78/80 (98%)	75 (96%)	3 (4%)	29	49
47	1p	69/74 (93%)	60 (87%)	9 (13%)	4	5
47	2p	68/74 (92%)	58 (85%)	10 (15%)	3	4
48	1q	94/97 (97%)	89 (95%)	5 (5%)	20	36
48	2q	94/97 (97%)	91 (97%)	3 (3%)	34	56
49	1r	59/77 (77%)	55 (93%)	4 (7%)	14	25
49	2r	59/77 (77%)	55 (93%)	4 (7%)	14	25
50	1s	69/80 (86%)	64 (93%)	5 (7%)	13	23
50	2s	67/80 (84%)	60 (90%)	7 (10%)	7	10
51	1t	70/82 (85%)	65 (93%)	5 (7%)	13	23
51	2t	70/82 (85%)	64 (91%)	6 (9%)	10	16
52	1u	18/22 (82%)	16 (89%)	2 (11%)	6	9
52	2u	18/22 (82%)	18 (100%)	0	100	100
All	All	9303/10064 (92%)	8570 (92%)	733 (8%)	11	19

5 of 733 residues with a non-rotameric sidechain are listed below:

Mol	Chain	Res	Type
13	2R	73	VAL
33	2b	149	LEU

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Mol	Chain	Res	Type
14	2S	75	GLU
13	2R	36	THR
21	2Z	154	ASP

Sometimes sidechains can be flipped to improve hydrogen bonding and reduce clashes. 5 of 145 such sidechains are listed below:

Mol	Chain	Res	Type
36	2e	73	ASN
51	2t	16	HIS
40	2i	3	GLN
42	2k	62	GLN
39	1h	15	ASN

5.3.3 RNA ⓘ

Mol	Chain	Analysed	Backbone Outliers	Pucker Outliers
1	1A	2865/2915 (98%)	423 (14%)	30 (1%)
1	2A	2791/2915 (95%)	450 (16%)	25 (0%)
2	1B	119/121 (98%)	10 (8%)	0
2	2B	118/121 (97%)	22 (18%)	0
32	1a	1497/1521 (98%)	231 (15%)	0
32	2a	1501/1521 (98%)	266 (17%)	0
53	1v	12/24 (50%)	2 (16%)	0
53	2v	12/24 (50%)	1 (8%)	0
54	1w	71/76 (93%)	23 (32%)	0
54	2w	68/76 (89%)	26 (38%)	0
55	1x	75/77 (97%)	4 (5%)	0
55	2x	75/77 (97%)	6 (8%)	0
56	1y	72/76 (94%)	31 (43%)	0
56	2y	70/76 (92%)	26 (37%)	0
All	All	9346/9620 (97%)	1521 (16%)	55 (0%)

5 of 1521 RNA backbone outliers are listed below:

Mol	Chain	Res	Type
1	1A	12	U
1	1A	34	C
1	1A	45	C
1	1A	71	A
1	1A	72	U

5 of 55 RNA pucker outliers are listed below:

Mol	Chain	Res	Type
1	1A	2629	A
1	2A	528	A
1	2A	2756	U
1	2A	1992	G
1	1A	2689	U

5.4 Non-standard residues in protein, DNA, RNA chains ⓘ

90 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	M2G	1a	966	32	24,27,28	1.28	3 (12%)	33,40,43	1.90	6 (18%)
54	MIA	2w	37	54,53	24,27,32	2.14	5 (20%)	32,39,47	2.66	10 (31%)
56	5MU	2y	54	56	19,22,23	1.46	5 (26%)	27,32,35	1.78	6 (22%)
32	4OC	2a	1402	32	20,23,24	0.76	0	25,32,35	1.08	3 (12%)
32	MA6	2a	1519	32	23,26,27	0.44	0	33,38,41	2.13	9 (27%)
56	PSU	1y	32	56	18,21,22	1.36	2 (11%)	21,30,33	1.93	4 (19%)
54	PSU	1w	55	54	18,21,22	1.33	2 (11%)	21,30,33	2.00	3 (14%)
1	5MC	1A	1962	1,57	19,22,23	1.79	3 (15%)	26,32,35	1.15	3 (11%)
54	MIA	1w	37	54	28,31,32	2.34	6 (21%)	38,44,47	2.74	13 (34%)
1	5MU	1A	1915	1	19,22,23	1.44	6 (31%)	27,32,35	2.15	7 (25%)
56	4SU	2y	8	56	18,21,22	1.76	4 (22%)	25,30,33	2.32	5 (20%)
1	PSU	2A	1911	1	18,21,22	1.39	2 (11%)	21,30,33	1.96	4 (19%)
32	2MG	2a	1207	32	23,26,27	1.23	3 (13%)	33,38,41	2.24	7 (21%)
32	PSU	2a	516	32	18,21,22	1.34	2 (11%)	21,30,33	2.09	5 (23%)
54	5MU	1w	54	54	19,22,23	1.32	3 (15%)	27,32,35	2.17	6 (22%)
1	OMU	2A	2552	1,57	19,22,23	1.12	1 (5%)	25,31,34	1.81	5 (20%)
43	0TD	1l	92	43	8,9,10	4.43	3 (37%)	6,11,13	7.28	2 (33%)
54	PSU	2w	55	54	18,21,22	1.39	2 (11%)	21,30,33	2.06	4 (19%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
1	PSU	2A	2605	1	18,21,22	1.25	1 (5%)	21,30,33	2.07	4 (19%)
1	5MU	2A	1939	1	19,22,23	1.44	6 (31%)	27,32,35	2.32	6 (22%)
56	MIA	2y	37	56	21,24,32	1.63	3 (14%)	30,35,47	2.01	7 (23%)
55	4SU	1x	8	55	18,21,22	2.32	5 (27%)	25,30,33	1.73	7 (28%)
1	5MU	1A	1939	1,57	19,22,23	1.54	6 (31%)	27,32,35	2.20	6 (22%)
54	8AN	2w	76	54,1,62	21,24,25	1.49	4 (19%)	26,35,38	2.16	9 (34%)
1	5MC	2A	1942	1	19,22,23	1.66	2 (10%)	26,32,35	1.08	2 (7%)
43	0TD	2l	92	43	8,9,10	4.56	1 (12%)	6,11,13	4.85	2 (33%)
32	G7M	2a	527	32,57	23,26,27	1.51	4 (17%)	34,39,42	1.57	3 (8%)
1	OMG	1A	2251	55,1,57	23,26,27	1.22	4 (17%)	32,38,41	1.98	6 (18%)
32	G7M	1a	527	32,57	23,26,27	1.52	4 (17%)	34,39,42	1.65	4 (11%)
56	4SU	1y	8	56	18,21,22	1.80	6 (33%)	25,30,33	1.90	5 (20%)
54	8AN	1w	76	54,1,62	21,24,25	1.50	4 (19%)	26,35,38	2.18	9 (34%)
54	PSU	1w	39	54	18,21,22	1.43	3 (16%)	21,30,33	1.63	3 (14%)
55	4SU	2x	8	55,57	18,21,22	2.16	5 (27%)	25,30,33	1.46	5 (20%)
32	M2G	2a	966	32	24,27,28	1.30	4 (16%)	33,40,43	1.84	6 (18%)
1	OMC	1A	1920	1	19,22,23	0.80	0	25,31,34	0.90	0
1	2MA	1A	2503	1,57	22,25,26	1.46	4 (18%)	32,37,40	2.42	8 (25%)
56	PSU	2y	39	56	18,21,22	1.38	2 (11%)	21,30,33	1.77	4 (19%)
32	5MC	2a	1404	32	19,22,23	1.66	3 (15%)	26,32,35	1.18	3 (11%)
1	5MU	2A	1915	1	19,22,23	1.44	5 (26%)	27,32,35	2.30	6 (22%)
55	8AN	1x	76	63,55,57	21,24,25	1.44	3 (14%)	26,35,38	2.98	11 (42%)
54	PSU	2w	32	54	18,21,22	1.38	2 (11%)	21,30,33	1.93	3 (14%)
1	MA6	1A	2058	1,57	23,26,27	0.45	0	33,38,41	1.96	9 (27%)
55	5MC	2x	32	55	19,22,23	1.68	3 (15%)	26,32,35	1.24	2 (7%)
1	MA6	2A	2058	1	23,26,27	0.38	0	33,38,41	2.01	9 (27%)
56	PSU	1y	39	56	18,21,22	1.45	2 (11%)	21,30,33	1.71	3 (14%)
1	PSU	1A	1917	1	18,21,22	1.37	2 (11%)	21,30,33	2.08	3 (14%)
55	PSU	1x	55	55,57	18,21,22	1.39	2 (11%)	21,30,33	2.01	3 (14%)
54	PSU	1w	32	54,57	18,21,22	1.34	2 (11%)	21,30,33	1.93	3 (14%)
1	5MC	1A	1942	1	19,22,23	1.85	3 (15%)	26,32,35	1.33	4 (15%)
54	5MU	2w	54	54	19,22,23	1.34	3 (15%)	27,32,35	1.83	6 (22%)
1	5MC	2A	1962	1,57	19,22,23	1.89	3 (15%)	26,32,35	1.17	3 (11%)
55	5MU	2x	54	55	19,22,23	1.39	5 (26%)	27,32,35	2.18	6 (22%)
32	5MC	1a	967	32	19,22,23	1.65	3 (15%)	26,32,35	1.04	2 (7%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
55	5MC	1x	32	55	19,22,23	1.60	3 (15%)	26,32,35	1.28	3 (11%)
56	PSU	1y	55	56	18,21,22	1.34	2 (11%)	21,30,33	2.08	4 (19%)
1	PSU	1A	1911	1	18,21,22	1.35	2 (11%)	21,30,33	2.13	4 (19%)
32	5MC	1a	1407	32	19,22,23	1.69	2 (10%)	26,32,35	1.17	4 (15%)
1	PSU	1A	2605	1,57	18,21,22	1.52	3 (16%)	21,30,33	2.02	4 (19%)
32	5MC	1a	1404	32	19,22,23	1.72	3 (15%)	26,32,35	1.25	4 (15%)
32	4OC	1a	1402	32	20,23,24	0.75	0	25,32,35	1.08	2 (8%)
32	MA6	1a	1519	32	23,26,27	0.46	0	33,38,41	2.10	9 (27%)
56	5MU	1y	54	56	19,22,23	1.46	5 (26%)	27,32,35	2.07	6 (22%)
54	G7M	2w	46	54	23,26,27	1.47	2 (8%)	34,39,42	1.67	4 (11%)
32	MA6	2a	1518	32	23,26,27	0.43	0	33,38,41	2.03	9 (27%)
32	5MC	2a	1400	32	19,22,23	1.65	3 (15%)	26,32,35	1.29	3 (11%)
1	OMU	1A	2552	1,57	19,22,23	1.20	2 (10%)	25,31,34	1.81	5 (20%)
32	5MC	1a	1400	32	19,22,23	1.64	3 (15%)	26,32,35	1.19	2 (7%)
56	PSU	2y	55	56	18,21,22	1.42	2 (11%)	21,30,33	1.98	4 (19%)
54	G7M	1w	46	54	23,26,27	1.54	4 (17%)	34,39,42	1.63	4 (11%)
1	2MA	2A	2503	1,57	22,25,26	1.46	4 (18%)	32,37,40	2.44	8 (25%)
32	2MG	1a	1207	32	23,26,27	1.25	2 (8%)	33,38,41	2.22	6 (18%)
32	PSU	1a	516	32	18,21,22	1.34	2 (11%)	21,30,33	1.90	5 (23%)
32	5MC	2a	1407	32,57	19,22,23	1.54	3 (15%)	26,32,35	1.13	2 (7%)
1	OMG	2A	2251	55,1	23,26,27	1.19	3 (13%)	32,38,41	1.96	7 (21%)
1	PSU	2A	1917	1	18,21,22	1.37	2 (11%)	21,30,33	1.96	4 (19%)
56	PSU	2y	32	56	18,21,22	1.35	2 (11%)	21,30,33	1.95	3 (14%)
54	4SU	1w	8	54	18,21,22	1.72	4 (22%)	25,30,33	1.78	5 (20%)
56	G7M	2y	46	56	23,26,27	1.60	3 (13%)	34,39,42	1.87	4 (11%)
55	5MU	1x	54	55,57	19,22,23	1.42	4 (21%)	27,32,35	2.17	6 (22%)
32	UR3	1a	1498	32	19,22,23	1.02	1 (5%)	26,32,35	1.86	5 (19%)
55	8AN	2x	76	63,55,57	21,24,25	1.45	3 (14%)	26,35,38	2.30	9 (34%)
55	PSU	2x	55	55	18,21,22	1.38	2 (11%)	21,30,33	2.14	5 (23%)
56	MIA	1y	37	56	21,24,32	1.65	4 (19%)	30,35,47	2.02	6 (20%)
54	PSU	2w	39	54	18,21,22	1.35	2 (11%)	21,30,33	1.88	3 (14%)
32	UR3	2a	1498	32	19,22,23	1.09	1 (5%)	26,32,35	1.82	3 (11%)
56	G7M	1y	46	56	23,26,27	1.53	4 (17%)	34,39,42	1.78	4 (11%)
32	MA6	1a	1518	32	23,26,27	0.43	0	33,38,41	1.99	9 (27%)
32	5MC	2a	967	32	19,22,23	1.68	2 (10%)	26,32,35	1.04	2 (7%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
1	OMC	2A	1920	1	19,22,23	0.82	0	25,31,34	0.98	1 (4%)
54	4SU	2w	8	54	18,21,22	1.75	4 (22%)	25,30,33	2.75	5 (20%)

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

Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
32	M2G	1a	966	32	-	0/11/29/30	0/3/3/3
54	MIA	2w	37	54,53	-	4/11/29/34	0/3/3/3
56	5MU	2y	54	56	-	0/7/25/26	0/2/2/2
32	4OC	2a	1402	32	-	0/9/29/30	0/2/2/2
32	MA6	2a	1519	32	-	3/11/29/30	0/3/3/3
56	PSU	1y	32	56	-	0/7/25/26	0/2/2/2
54	PSU	1w	55	54	-	0/7/25/26	0/2/2/2
1	5MC	1A	1962	1,57	-	0/7/25/26	0/2/2/2
54	MIA	1w	37	54	-	2/15/33/34	0/3/3/3
1	5MU	1A	1915	1	-	0/7/25/26	0/2/2/2
56	4SU	2y	8	56	-	1/7/25/26	0/2/2/2
1	PSU	2A	1911	1	-	0/7/25/26	0/2/2/2
32	2MG	2a	1207	32	-	0/9/27/28	0/3/3/3
32	PSU	2a	516	32	-	0/7/25/26	0/2/2/2
54	5MU	1w	54	54	-	0/7/25/26	0/2/2/2
1	OMU	2A	2552	1,57	-	0/9/27/28	0/2/2/2
43	0TD	1l	92	43	-	3/7/12/14	-
54	PSU	2w	55	54	-	0/7/25/26	0/2/2/2
1	PSU	2A	2605	1	-	0/7/25/26	0/2/2/2
1	5MU	2A	1939	1	-	0/7/25/26	0/2/2/2
56	MIA	2y	37	56	-	0/7/25/34	0/3/3/3
55	4SU	1x	8	55	-	0/7/25/26	0/2/2/2
1	5MU	1A	1939	1,57	-	0/7/25/26	0/2/2/2
54	8AN	2w	76	54,1,62	-	0/7/25/26	0/3/3/3
1	5MC	2A	1942	1	-	0/7/25/26	0/2/2/2
43	0TD	2l	92	43	-	2/7/12/14	-
32	G7M	2a	527	32,57	-	3/7/25/26	0/3/3/3
1	OMG	1A	2251	55,1,57	-	0/9/27/28	0/3/3/3
32	G7M	1a	527	32,57	-	3/7/25/26	0/3/3/3
56	4SU	1y	8	56	-	1/7/25/26	0/2/2/2
54	8AN	1w	76	54,1,62	-	0/7/25/26	0/3/3/3
54	PSU	1w	39	54	-	0/7/25/26	0/2/2/2

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
55	4SU	2x	8	55,57	-	0/7/25/26	0/2/2/2
32	M2G	2a	966	32	-	0/11/29/30	0/3/3/3
1	OMC	1A	1920	1	-	1/9/27/28	0/2/2/2
1	2MA	1A	2503	1,57	-	1/7/25/26	0/3/3/3
56	PSU	2y	39	56	-	0/7/25/26	0/2/2/2
32	5MC	2a	1404	32	-	0/7/25/26	0/2/2/2
1	5MU	2A	1915	1	-	0/7/25/26	0/2/2/2
55	8AN	1x	76	63,55,57	-	3/7/25/26	0/3/3/3
54	PSU	2w	32	54	-	0/7/25/26	0/2/2/2
1	MA6	1A	2058	1,57	-	0/11/29/30	0/3/3/3
55	5MC	2x	32	55	-	0/7/25/26	0/2/2/2
1	MA6	2A	2058	1	-	0/11/29/30	0/3/3/3
56	PSU	1y	39	56	-	0/7/25/26	0/2/2/2
1	PSU	1A	1917	1	-	0/7/25/26	0/2/2/2
55	PSU	1x	55	55,57	-	0/7/25/26	0/2/2/2
54	PSU	1w	32	54,57	-	0/7/25/26	0/2/2/2
1	5MC	1A	1942	1	-	0/7/25/26	0/2/2/2
54	5MU	2w	54	54	-	0/7/25/26	0/2/2/2
1	5MC	2A	1962	1,57	-	0/7/25/26	0/2/2/2
55	5MU	2x	54	55	-	0/7/25/26	0/2/2/2
32	5MC	1a	967	32	-	0/7/25/26	0/2/2/2
55	5MC	1x	32	55	-	0/7/25/26	0/2/2/2
56	PSU	1y	55	56	-	2/7/25/26	0/2/2/2
1	PSU	1A	1911	1	-	0/7/25/26	0/2/2/2
32	5MC	1a	1407	32	-	0/7/25/26	0/2/2/2
1	PSU	1A	2605	1,57	-	0/7/25/26	0/2/2/2
32	5MC	1a	1404	32	-	0/7/25/26	0/2/2/2
32	4OC	1a	1402	32	-	0/9/29/30	0/2/2/2
32	MA6	1a	1519	32	-	3/11/29/30	0/3/3/3
56	5MU	1y	54	56	-	0/7/25/26	0/2/2/2
54	G7M	2w	46	54	-	1/7/25/26	0/3/3/3
32	MA6	2a	1518	32	-	0/11/29/30	0/3/3/3
32	5MC	2a	1400	32	-	0/7/25/26	0/2/2/2
1	OMU	1A	2552	1,57	-	0/9/27/28	0/2/2/2
32	5MC	1a	1400	32	-	0/7/25/26	0/2/2/2
56	PSU	2y	55	56	-	2/7/25/26	0/2/2/2
54	G7M	1w	46	54	-	1/7/25/26	0/3/3/3
1	2MA	2A	2503	1,57	-	1/7/25/26	0/3/3/3
32	2MG	1a	1207	32	-	0/9/27/28	0/3/3/3
32	PSU	1a	516	32	-	0/7/25/26	0/2/2/2
32	5MC	2a	1407	32,57	-	0/7/25/26	0/2/2/2

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
1	OMG	2A	2251	55,1	-	0/9/27/28	0/3/3/3
1	PSU	2A	1917	1	-	0/7/25/26	0/2/2/2
56	PSU	2y	32	56	-	0/7/25/26	0/2/2/2
54	4SU	1w	8	54	-	0/7/25/26	0/2/2/2
56	G7M	2y	46	56	-	2/7/25/26	0/3/3/3
55	5MU	1x	54	55,57	-	0/7/25/26	0/2/2/2
32	UR3	1a	1498	32	-	0/7/25/26	0/2/2/2
55	8AN	2x	76	63,55,57	-	3/7/25/26	0/3/3/3
55	PSU	2x	55	55	-	0/7/25/26	0/2/2/2
56	MIA	1y	37	56	-	2/7/25/34	0/3/3/3
54	PSU	2w	39	54	-	0/7/25/26	0/2/2/2
32	UR3	2a	1498	32	-	0/7/25/26	0/2/2/2
56	G7M	1y	46	56	-	1/7/25/26	0/3/3/3
32	MA6	1a	1518	32	-	0/11/29/30	0/3/3/3
32	5MC	2a	967	32	-	0/7/25/26	0/2/2/2
1	OMC	2A	1920	1	-	0/9/27/28	0/2/2/2
54	4SU	2w	8	54	-	0/7/25/26	0/2/2/2

The worst 5 of 249 bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
43	2l	92	0TD	CB-SB	-12.43	1.69	1.82
43	1l	92	0TD	CB-SB	-11.78	1.70	1.82
1	2A	1962	5MC	C5-C4	7.11	1.49	1.44
54	1w	37	MIA	C13-C14	6.96	1.53	1.32
1	1A	1942	5MC	C5-C4	6.85	1.49	1.44

The worst 5 of 447 bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
43	1l	92	0TD	CSB-SB-CB	-17.54	70.83	102.36
43	2l	92	0TD	CSB-SB-CB	-11.47	81.75	102.36
54	2w	37	MIA	C5-C4-N3	-9.17	117.52	127.18
54	2w	8	4SU	C4-N3-C2	-8.85	118.83	127.31
1	2A	2503	2MA	C5-C4-N3	-8.66	118.06	127.18

There are no chirality outliers.

5 of 45 torsion outliers are listed below:

Mol	Chain	Res	Type	Atoms
32	1a	1519	MA6	O4'-C4'-C5'-O5'

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Mol	Chain	Res	Type	Atoms
43	1l	92	0TD	O-C-CA-CB
43	1l	92	0TD	CG-CB-SB-CSB
54	1w	37	MIA	C12-C13-C14-C15
54	1w	37	MIA	C12-C13-C14-C16

There are no ring outliers.

42 monomers are involved in 52 short contacts:

Mol	Chain	Res	Type	Clashes	Symm-Clashes
32	1a	966	M2G	1	0
56	2y	54	5MU	1	0
32	2a	1519	MA6	2	0
54	1w	37	MIA	1	0
56	2y	8	4SU	2	0
54	2w	55	PSU	1	0
1	2A	1939	5MU	1	0
56	2y	37	MIA	1	0
55	1x	8	4SU	2	0
1	1A	1939	5MU	1	0
54	2w	76	8AN	1	0
43	2l	92	0TD	1	0
1	1A	2251	OMG	1	0
56	1y	8	4SU	1	0
54	1w	76	8AN	1	0
55	2x	8	4SU	1	0
32	2a	966	M2G	1	0
56	2y	39	PSU	1	0
55	1x	76	8AN	2	0
1	1A	2058	MA6	1	0
1	2A	2058	MA6	2	0
56	1y	39	PSU	1	0
54	2w	54	5MU	1	0
55	2x	54	5MU	3	0
32	1a	967	5MC	1	0
56	1y	55	PSU	2	0
32	1a	1402	4OC	1	0
32	1a	1519	MA6	2	0
56	1y	54	5MU	1	0
32	2a	1518	MA6	2	0
1	1A	2552	OMU	1	0
54	1w	46	G7M	1	0
1	2A	2251	OMG	1	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
54	1w	8	4SU	1	0
56	2y	46	G7M	1	0
55	2x	76	8AN	1	0
55	2x	55	PSU	1	0
56	1y	37	MIA	4	0
54	2w	39	PSU	1	0
56	1y	46	G7M	1	0
32	1a	1518	MA6	4	0
32	2a	967	5MC	2	0

5.5 Carbohydrates [i](#)

There are no oligosaccharides in this entry.

5.6 Ligand geometry [i](#)

Of 2755 ligands modelled in this entry, 2747 are monoatomic - leaving 8 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	$\# Z > 2$
61	SF4	1d	302	35	0,12,12	-	-	-		
62	PHE	1w	109	54	10,11,12	1.55	1 (10%)	8,13,15	0.54	0
59	A1AE1	2A	3855	57	82,82,82	2.21	13 (15%)	116,122,122	2.21	31 (26%)
61	SF4	2d	303	35	0,12,12	-	-	-		
59	A1AE1	1A	4094	57	82,82,82	2.30	12 (14%)	116,122,122	2.14	33 (28%)
63	FME	2x	108	55	8,9,10	0.36	0	8,9,11	1.31	2 (25%)
63	FME	1x	115	55	8,9,10	0.42	0	8,9,11	1.62	2 (25%)
62	PHE	2w	108	54	10,11,12	1.63	1 (10%)	8,13,15	0.55	0

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
61	SF4	1d	302	35	-	-	0/6/5/5
62	PHE	1w	109	54	-	1/5/6/8	0/1/1/1
59	A1AE1	2A	3855	57	-	14/89/132/132	0/7/7/7
61	SF4	2d	303	35	-	-	0/6/5/5
59	A1AE1	1A	4094	57	-	13/89/132/132	0/7/7/7
63	FME	2x	108	55	-	0/7/9/11	-
63	FME	1x	115	55	-	1/7/9/11	-
62	PHE	2w	108	54	-	3/5/6/8	0/1/1/1

The worst 5 of 27 bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
59	1A	4094	A1AE1	CAG-CAF	-12.78	1.41	1.53
59	2A	3855	A1AE1	CAG-CAF	-11.71	1.42	1.53
59	2A	3855	A1AE1	CAB-CAF	-7.13	1.40	1.52
59	1A	4094	A1AE1	CAB-CAF	-6.88	1.40	1.52
59	1A	4094	A1AE1	OBR-NBJ	5.87	1.54	1.40

The worst 5 of 68 bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
59	2A	3855	A1AE1	CAB-CAF-NBJ	-12.26	117.17	126.21
59	1A	4094	A1AE1	CAB-CAF-NBJ	-10.52	118.45	126.21
59	1A	4094	A1AE1	OBB-CBT-NBV	6.79	122.08	111.01
59	2A	3855	A1AE1	OBB-CBT-NBV	6.34	121.34	111.01
59	1A	4094	A1AE1	CAK-OBB-CBT	-5.76	108.58	117.04

There are no chirality outliers.

5 of 32 torsion outliers are listed below:

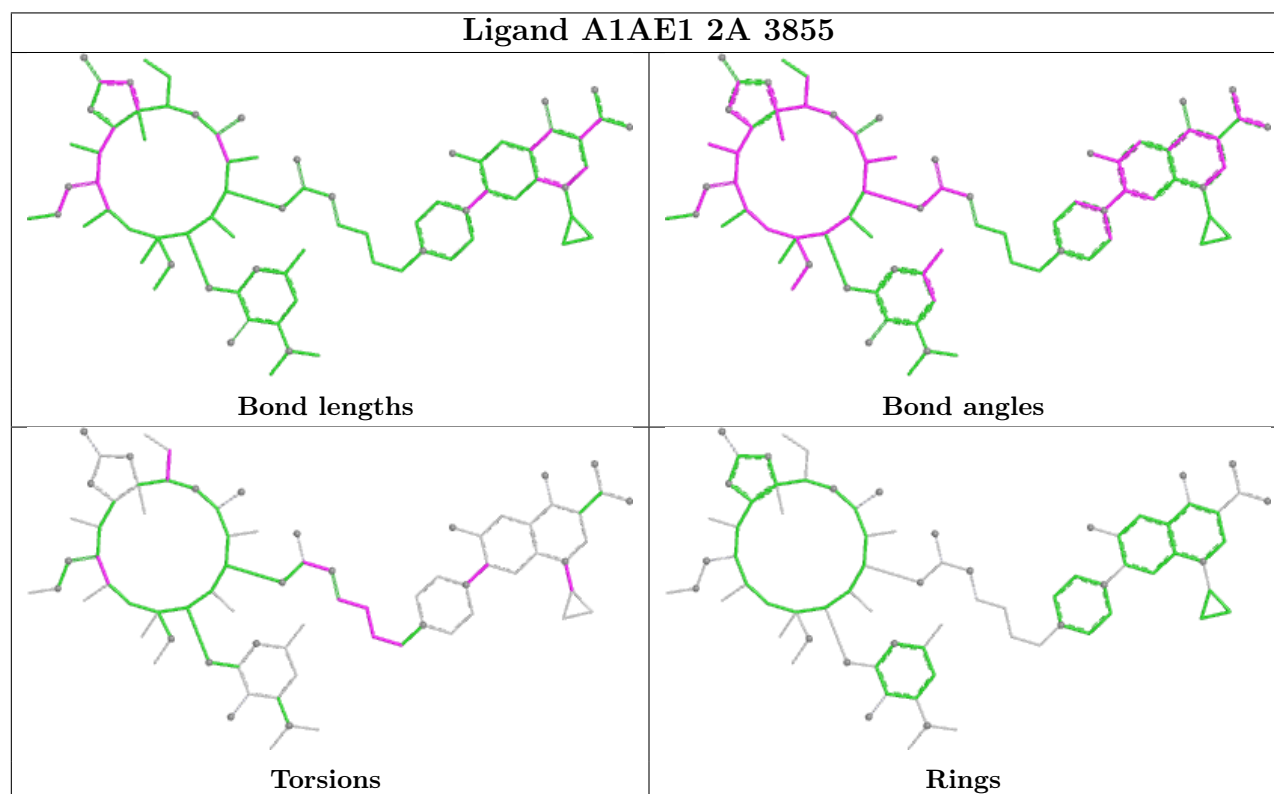
Mol	Chain	Res	Type	Atoms
62	1w	109	PHE	O-C-CA-CB
62	2w	108	PHE	O-C-CA-CB
59	1A	4094	A1AE1	CBZ-CBY-NBX-CCX
59	2A	3855	A1AE1	CBZ-CBY-NBX-CCX
59	1A	4094	A1AE1	CCJ-CCI-NCH-CCG

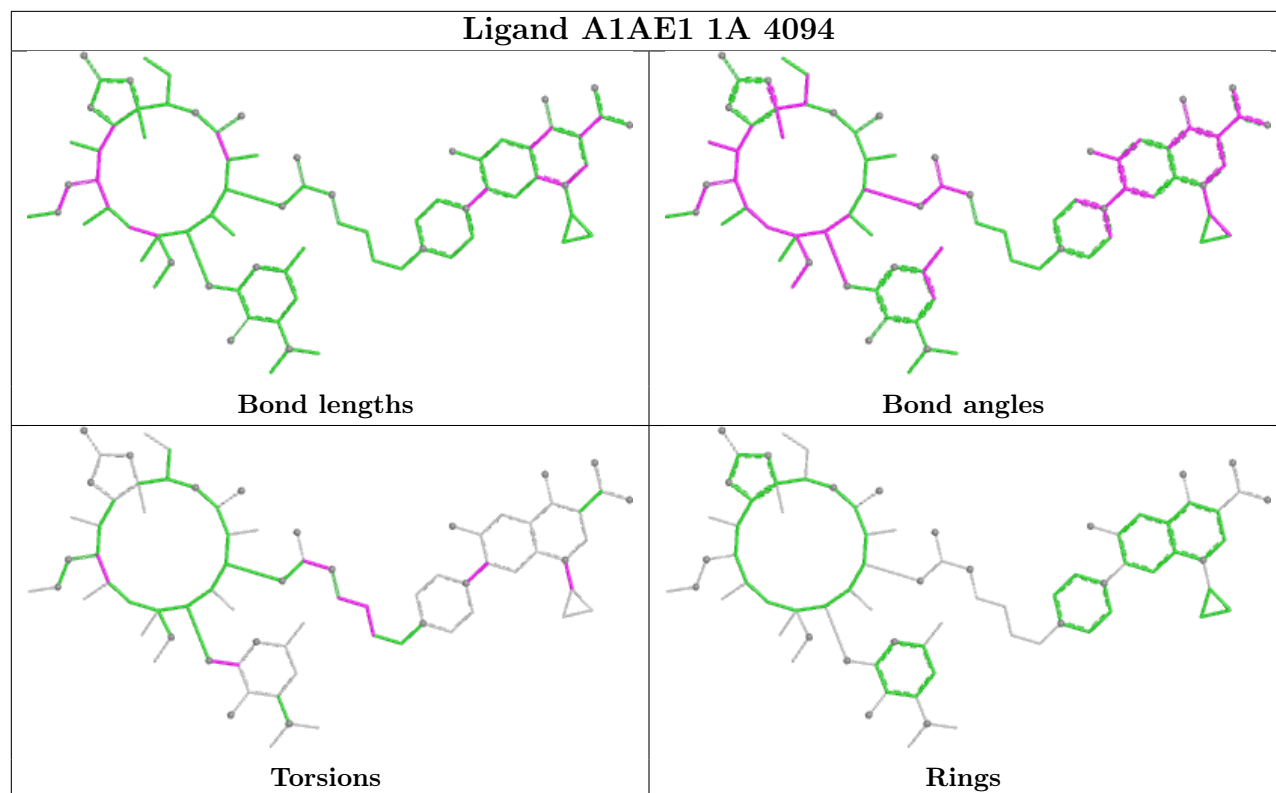
There are no ring outliers.

4 monomers are involved in 7 short contacts:

Mol	Chain	Res	Type	Clashes	Symm-Clashes
62	1w	109	PHE	1	0
59	2A	3855	A1AE1	1	0
61	2d	303	SF4	4	0
62	2w	108	PHE	1	0

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





5.7 Other polymers [i](#)

There are no such residues in this entry.

5.8 Polymer linkage issues [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	2859/2915 (98%)	-0.36	207 (7%)	21	18	20, 37, 89, 98	0
1	2A	2788/2915 (95%)	0.12	163 (5%)	29	25	33, 55, 87, 97	0
2	1B	120/121 (99%)	-0.14	0	100	100	34, 50, 65, 81	0
2	2B	120/121 (99%)	0.73	0	100	100	58, 69, 77, 84	0
3	1D	275/276 (99%)	-0.08	3 (1%)	78	74	24, 38, 52, 72	0
3	2D	275/276 (99%)	0.21	4 (1%)	72	68	30, 48, 59, 81	0
4	1E	204/206 (99%)	-0.05	2 (0%)	79	76	21, 40, 58, 72	0
4	2E	204/206 (99%)	0.53	2 (0%)	79	76	36, 57, 68, 75	0
5	1F	203/210 (96%)	0.04	3 (1%)	72	68	20, 43, 66, 77	0
5	2F	203/210 (96%)	0.59	5 (2%)	58	54	33, 62, 75, 79	0
6	1G	181/182 (99%)	0.63	10 (5%)	30	27	42, 56, 69, 78	0
6	2G	181/182 (99%)	1.25	21 (11%)	9	7	58, 71, 79, 84	0
7	1H	174/180 (96%)	0.49	6 (3%)	48	44	40, 52, 64, 72	0
7	2H	174/180 (96%)	1.65	55 (31%)	1	1	65, 77, 83, 88	0
8	1I	146/148 (98%)	1.03	9 (6%)	26	23	46, 67, 76, 80	0
8	2I	146/148 (98%)	1.23	17 (11%)	9	7	50, 68, 76, 80	0
9	1N	140/140 (100%)	0.02	2 (1%)	73	69	26, 39, 60, 69	0
9	2N	140/140 (100%)	0.78	5 (3%)	46	42	46, 61, 73, 82	0
10	1O	122/122 (100%)	-0.13	0	100	100	29, 40, 58, 62	0
10	2O	122/122 (100%)	0.49	0	100	100	47, 57, 67, 72	0
11	1P	149/150 (99%)	0.18	3 (2%)	65	60	22, 49, 67, 71	0
11	2P	149/150 (99%)	0.94	15 (10%)	12	9	37, 63, 77, 80	0
12	1Q	141/141 (100%)	-0.04	2 (1%)	73	69	25, 41, 56, 69	0
12	2Q	141/141 (100%)	0.98	14 (9%)	13	9	44, 62, 71, 77	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
13	1R	118/118 (100%)	-0.32	0 100 100	26, 35, 48, 56	0
13	2R	118/118 (100%)	0.37	0 100 100	41, 52, 62, 68	0
14	1S	110/112 (98%)	0.43	0 100 100	39, 50, 61, 65	0
14	2S	110/112 (98%)	1.12	13 (11%) 9 6	58, 65, 73, 78	0
15	1T	131/146 (89%)	0.20	2 (1%) 72 68	33, 45, 66, 74	0
15	2T	131/146 (89%)	0.71	5 (3%) 44 40	50, 60, 71, 77	0
16	1U	116/118 (98%)	-0.38	0 100 100	23, 31, 47, 62	0
16	2U	116/118 (98%)	0.62	2 (1%) 69 65	43, 58, 69, 74	0
17	1V	101/101 (100%)	-0.24	1 (0%) 79 76	25, 39, 55, 65	0
17	2V	101/101 (100%)	0.95	6 (5%) 28 24	42, 66, 73, 80	0
18	1W	112/113 (99%)	-0.25	1 (0%) 81 78	26, 33, 50, 77	0
18	2W	112/113 (99%)	0.30	2 (1%) 67 63	41, 49, 62, 82	0
19	1X	95/96 (98%)	0.05	3 (3%) 50 46	30, 41, 63, 77	0
19	2X	95/96 (98%)	0.51	3 (3%) 50 46	45, 57, 71, 78	0
20	1Y	107/110 (97%)	0.47	4 (3%) 45 41	39, 51, 63, 73	0
20	2Y	107/110 (97%)	1.17	14 (13%) 7 5	54, 66, 76, 80	0
21	1Z	154/206 (74%)	1.00	25 (16%) 4 4	41, 62, 78, 82	0
21	2Z	160/206 (77%)	1.87	51 (31%) 1 1	63, 75, 82, 88	0
22	10	83/85 (97%)	0.02	2 (2%) 59 55	28, 37, 51, 64	0
22	20	83/85 (97%)	0.88	4 (4%) 35 32	38, 58, 66, 75	0
23	11	97/98 (98%)	0.44	2 (2%) 63 59	30, 50, 69, 75	0
23	21	97/98 (98%)	0.55	4 (4%) 41 37	40, 54, 69, 75	0
24	12	70/72 (97%)	0.38	3 (4%) 40 36	35, 49, 59, 68	0
24	22	70/72 (97%)	0.89	3 (4%) 40 36	58, 66, 74, 75	0
25	13	59/60 (98%)	-0.09	1 (1%) 69 65	25, 36, 60, 72	0
25	23	59/60 (98%)	0.78	4 (6%) 23 20	51, 61, 71, 77	0
26	14	69/71 (97%)	1.38	17 (24%) 2 1	49, 71, 81, 85	0
26	24	69/71 (97%)	1.81	25 (36%) 1 1	70, 77, 84, 87	0
27	15	59/60 (98%)	-0.28	1 (1%) 69 65	22, 34, 53, 58	0
27	25	59/60 (98%)	0.35	3 (5%) 33 30	38, 49, 64, 75	0
28	16	53/54 (98%)	-0.04	0 100 100	33, 44, 56, 61	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
28	26	53/54 (98%)	0.68	2 (3%) 44 40	47, 57, 63, 66	0
29	17	48/49 (97%)	-0.18	3 (6%) 26 22	21, 29, 55, 62	0
29	27	48/49 (97%)	0.15	2 (4%) 40 36	32, 41, 61, 69	0
30	18	64/65 (98%)	-0.31	0 100 100	28, 36, 43, 57	0
30	28	64/65 (98%)	0.44	1 (1%) 70 66	44, 51, 58, 63	0
31	19	37/37 (100%)	-0.05	0 100 100	31, 39, 51, 58	0
31	29	37/37 (100%)	1.01	2 (5%) 31 28	58, 64, 72, 77	0
32	1a	1488/1521 (97%)	0.41	77 (5%) 33 29	36, 62, 85, 97	0
32	2a	1491/1521 (98%)	0.67	96 (6%) 25 22	45, 69, 86, 97	0
33	1b	231/256 (90%)	1.49	55 (23%) 2 1	60, 73, 80, 84	0
33	2b	231/256 (90%)	1.67	71 (30%) 1 1	64, 76, 81, 86	0
34	1c	206/239 (86%)	1.11	18 (8%) 16 13	56, 67, 77, 81	0
34	2c	206/239 (86%)	1.50	44 (21%) 2 2	65, 74, 81, 86	0
35	1d	208/209 (99%)	1.11	24 (11%) 9 7	53, 65, 72, 80	0
35	2d	208/209 (99%)	1.05	20 (9%) 13 10	55, 65, 73, 79	0
36	1e	148/162 (91%)	0.80	5 (3%) 48 44	48, 61, 69, 73	0
36	2e	148/162 (91%)	1.29	20 (13%) 7 5	59, 68, 74, 80	0
37	1f	100/101 (99%)	0.96	4 (4%) 42 38	54, 64, 70, 73	0
37	2f	100/101 (99%)	0.95	4 (4%) 42 38	55, 63, 71, 75	0
38	1g	155/156 (99%)	0.99	17 (10%) 10 8	57, 66, 78, 81	0
38	2g	155/156 (99%)	1.34	21 (13%) 7 5	65, 72, 78, 82	0
39	1h	137/138 (99%)	0.75	4 (2%) 53 50	51, 63, 70, 73	0
39	2h	137/138 (99%)	1.15	13 (9%) 14 11	60, 69, 75, 78	0
40	1i	127/128 (99%)	1.42	26 (20%) 2 2	51, 71, 77, 80	0
40	2i	127/128 (99%)	1.84	48 (37%) 1 0	62, 75, 81, 83	0
41	1j	97/105 (92%)	1.56	22 (22%) 2 2	53, 71, 81, 85	0
41	2j	96/105 (91%)	2.20	54 (56%) 0 0	66, 77, 83, 85	0
42	1k	114/129 (88%)	0.72	7 (6%) 27 23	42, 63, 71, 78	0
42	2k	114/129 (88%)	1.03	10 (8%) 15 12	54, 67, 74, 76	0
43	1l	121/132 (91%)	0.47	4 (3%) 49 45	42, 50, 61, 69	0
43	2l	121/132 (91%)	0.83	8 (6%) 24 20	53, 60, 68, 72	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
44	1m	123/126 (97%)	1.13	10 (8%) 18 14	50, 65, 72, 84	0
44	2m	122/126 (96%)	1.69	36 (29%) 1 1	65, 74, 78, 82	0
45	1n	60/61 (98%)	1.10	5 (8%) 17 14	55, 62, 68, 71	0
45	2n	60/61 (98%)	2.23	31 (51%) 0 0	68, 75, 79, 83	0
46	1o	88/89 (98%)	0.84	5 (5%) 29 25	45, 62, 70, 74	0
46	2o	88/89 (98%)	1.00	8 (9%) 15 12	56, 66, 75, 80	0
47	1p	82/88 (93%)	1.44	15 (18%) 3 3	54, 66, 71, 79	0
47	2p	82/88 (93%)	1.12	6 (7%) 21 17	56, 65, 72, 75	0
48	1q	99/105 (94%)	0.91	2 (2%) 65 60	55, 63, 71, 74	0
48	2q	99/105 (94%)	0.93	5 (5%) 33 30	59, 67, 74, 78	0
49	1r	68/88 (77%)	0.62	1 (1%) 72 68	52, 63, 72, 74	0
49	2r	68/88 (77%)	0.76	2 (2%) 53 50	58, 65, 73, 77	0
50	1s	83/93 (89%)	1.27	11 (13%) 7 5	60, 67, 74, 78	0
50	2s	83/93 (89%)	1.72	23 (27%) 1 1	71, 77, 81, 88	0
51	1t	96/106 (90%)	1.09	13 (13%) 7 5	57, 65, 74, 78	0
51	2t	96/106 (90%)	1.12	13 (13%) 7 5	57, 65, 75, 78	0
52	1u	23/27 (85%)	1.21	3 (13%) 7 5	54, 62, 66, 68	0
52	2u	23/27 (85%)	2.23	14 (60%) 0 0	66, 72, 75, 78	0
53	1v	13/24 (54%)	0.55	2 (15%) 5 4	47, 52, 82, 85	0
53	2v	13/24 (54%)	1.16	3 (23%) 2 1	57, 66, 86, 93	0
54	1w	66/76 (86%)	1.68	23 (34%) 1 1	29, 80, 90, 92	0
54	2w	64/76 (84%)	1.57	16 (25%) 2 1	45, 85, 90, 94	0
55	1x	72/77 (93%)	0.19	2 (2%) 55 51	25, 56, 75, 83	0
55	2x	72/77 (93%)	0.59	2 (2%) 55 51	39, 69, 80, 89	0
56	1y	67/76 (88%)	1.99	31 (46%) 0 0	61, 90, 95, 97	0
56	2y	66/76 (86%)	2.15	39 (59%) 0 0	67, 91, 94, 96	0
All	All	20871/21748 (95%)	0.51	1752 (8%) 17 14	20, 60, 82, 98	0

The worst 5 of 1752 RSRZ outliers are listed below:

Mol	Chain	Res	Type	RSRZ
1	2A	652(U)	G	9.3
1	2A	652(V)	C	8.3

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Mol	Chain	Res	Type	RSRZ
1	1A	652(V)	C	8.2
1	1A	652(C)	G	8.1
44	2m	124	PRO	8.0

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
56	4SU	2y	8	20/21	0.42	0.22	89,98,103,117	0
56	G7M	1y	46	24/25	0.52	0.20	86,91,98,109	0
56	G7M	2y	46	24/25	0.52	0.18	80,89,97,113	0
56	PSU	2y	55	20/21	0.56	0.18	86,91,95,96	0
56	PSU	1y	55	20/21	0.61	0.15	85,89,96,106	0
56	MIA	2y	37	22/30	0.61	0.16	80,87,99,111	0
56	4SU	1y	8	20/21	0.64	0.16	87,92,102,110	0
56	5MU	1y	54	21/22	0.65	0.15	80,86,92,104	0
56	5MU	2y	54	21/22	0.66	0.18	83,89,100,110	0
56	PSU	2y	39	20/21	0.66	0.16	82,86,95,101	0
56	MIA	1y	37	22/30	0.69	0.15	81,86,92,99	0
54	G7M	2w	46	24/25	0.73	0.20	79,88,97,115	0
56	PSU	1y	39	20/21	0.74	0.16	78,84,91,95	0
54	G7M	1w	46	24/25	0.75	0.17	67,79,94,112	0
56	PSU	1y	32	20/21	0.78	0.14	74,84,96,96	0
56	PSU	2y	32	20/21	0.79	0.12	78,83,93,103	0
54	4SU	2w	8	20/21	0.80	0.17	82,87,99,99	0
54	PSU	2w	55	20/21	0.84	0.12	65,77,83,87	0
54	4SU	1w	8	20/21	0.85	0.16	75,79,87,88	0
54	MIA	2w	37	25/30	0.88	0.15	59,70,78,93	0
32	2MG	2a	1207	24/25	0.89	0.13	64,78,80,81	0
54	PSU	2w	32	20/21	0.89	0.13	64,77,81,82	0
43	0TD	2l	92	10/11	0.89	0.14	57,60,71,78	0
54	PSU	1w	55	20/21	0.90	0.11	49,68,71,73	0
55	PSU	2x	55	20/21	0.90	0.11	63,71,77,82	0
32	G7M	2a	527	24/25	0.90	0.14	55,60,65,72	0
54	5MU	2w	54	21/22	0.91	0.11	68,73,77,80	0
54	MIA	1w	37	29/30	0.91	0.17	44,53,68,84	0
55	4SU	2x	8	20/21	0.92	0.12	65,70,73,74	0
55	5MC	2x	32	21/22	0.92	0.13	59,64,69,77	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
32	5MC	2a	967	21/22	0.92	0.13	58,64,70,74	0
1	5MU	2A	1915	21/22	0.92	0.11	57,63,68,68	0
54	PSU	2w	39	20/21	0.92	0.12	63,73,79,79	0
55	PSU	1x	55	20/21	0.93	0.10	57,59,70,74	0
43	0TD	1l	92	10/11	0.93	0.11	40,48,50,65	0
32	M2G	2a	966	25/26	0.93	0.14	55,62,73,76	0
55	5MU	2x	54	21/22	0.93	0.12	64,74,77,78	0
54	PSU	1w	32	20/21	0.94	0.12	56,61,67,68	0
55	4SU	1x	8	20/21	0.94	0.10	54,60,69,71	0
55	5MU	1x	54	21/22	0.94	0.10	58,63,68,72	0
1	PSU	2A	1917	20/21	0.94	0.09	51,58,67,68	0
32	5MC	2a	1400	21/22	0.94	0.14	55,62,69,73	0
32	PSU	2a	516	20/21	0.94	0.11	56,65,70,71	0
32	MA6	1a	1519	24/25	0.95	0.10	35,44,48,56	0
1	5MU	1A	1915	21/22	0.95	0.10	41,50,55,55	0
1	OMC	2A	1920	21/22	0.95	0.10	49,56,60,64	0
32	4OC	2a	1402	22/23	0.95	0.10	50,55,59,64	0
32	5MC	2a	1404	21/22	0.95	0.09	45,50,54,58	0
55	5MC	1x	32	21/22	0.95	0.11	45,51,57,63	0
32	2MG	1a	1207	24/25	0.95	0.10	60,65,68,69	0
1	PSU	2A	1911	20/21	0.95	0.09	49,59,65,65	0
1	5MC	2A	1962	21/22	0.96	0.09	41,49,52,65	0
54	8AN	2w	76	22/23	0.96	0.09	35,40,43,47	0
32	5MC	2a	1407	21/22	0.96	0.10	44,51,55,58	0
32	UR3	2a	1498	21/22	0.96	0.10	49,55,57,59	0
32	MA6	2a	1518	24/25	0.96	0.10	50,58,62,63	0
32	MA6	2a	1519	24/25	0.96	0.12	52,58,61,63	0
55	8AN	2x	76	22/23	0.96	0.09	33,39,45,58	0
32	5MC	1a	967	21/22	0.96	0.09	43,52,56,61	0
1	5MC	1A	1942	21/22	0.96	0.09	27,39,43,54	0
54	PSU	1w	39	20/21	0.96	0.08	51,59,64,74	0
32	PSU	1a	516	20/21	0.96	0.08	41,53,57,58	0
54	5MU	1w	54	21/22	0.96	0.10	39,55,65,68	0
32	G7M	1a	527	24/25	0.96	0.09	36,42,48,50	0
32	M2G	1a	966	25/26	0.96	0.10	43,50,54,56	0
1	MA6	2A	2058	24/25	0.97	0.09	31,40,49,56	0
1	OMU	2A	2552	21/22	0.97	0.08	38,44,48,54	0
1	PSU	2A	2605	20/21	0.97	0.07	34,40,42,43	0
1	PSU	1A	1911	20/21	0.97	0.08	41,45,50,52	0
55	8AN	1x	76	22/23	0.97	0.07	20,25,30,37	0
1	PSU	1A	1917	20/21	0.97	0.07	40,47,51,53	0
32	5MC	1a	1400	21/22	0.97	0.09	42,48,50,52	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
32	4OC	1a	1402	22/23	0.97	0.10	39,43,46,47	0
32	5MC	1a	1404	21/22	0.97	0.08	29,39,42,44	0
1	5MU	2A	1939	21/22	0.97	0.08	28,39,44,46	0
1	5MC	2A	1942	21/22	0.97	0.08	44,51,56,61	0
32	5MC	1a	1407	21/22	0.97	0.08	33,38,44,46	0
1	PSU	1A	2605	20/21	0.98	0.06	24,28,31,34	0
1	5MU	1A	1939	21/22	0.98	0.06	21,28,32,33	0
1	OMC	1A	1920	21/22	0.98	0.08	37,43,47,50	0
32	UR3	1a	1498	21/22	0.98	0.07	36,41,43,44	0
32	MA6	1a	1518	24/25	0.98	0.08	33,41,44,45	0
1	5MC	1A	1962	21/22	0.98	0.06	26,34,41,42	0
1	MA6	1A	2058	24/25	0.98	0.07	15,26,33,36	0
1	OMG	2A	2251	24/25	0.98	0.08	36,42,44,46	0
1	2MA	2A	2503	23/24	0.98	0.08	29,40,43,47	0
1	2MA	1A	2503	23/24	0.98	0.06	18,24,26,29	0
1	OMU	1A	2552	21/22	0.98	0.07	25,28,31,34	0
54	8AN	1w	76	22/23	0.99	0.06	19,25,26,27	0
1	OMG	1A	2251	24/25	0.99	0.04	21,24,27,28	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
57	MG	2A	3400	1/1	0.43	0.42	88,88,88,88	0
57	MG	10	108	1/1	0.47	0.41	62,62,62,62	0
57	MG	20	102	1/1	0.55	0.31	69,69,69,69	0
57	MG	2y	103	1/1	0.58	0.20	80,80,80,80	0
57	MG	1B	221	1/1	0.61	0.29	64,64,64,64	0
57	MG	2A	3642	1/1	0.61	0.26	66,66,66,66	0
57	MG	1A	3227	1/1	0.61	0.17	66,66,66,66	0
57	MG	1a	1761	1/1	0.61	0.22	73,73,73,73	0
57	MG	1A	4028	1/1	0.62	0.37	76,76,76,76	0
57	MG	2A	3747	1/1	0.64	0.22	78,78,78,78	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	1A	3655	1/1	0.64	0.24	53,53,53,53	0
57	MG	1A	3694	1/1	0.64	0.24	69,69,69,69	0
57	MG	1A	3970	1/1	0.65	0.27	61,61,61,61	0
57	MG	2A	3364	1/1	0.65	0.57	79,79,79,79	0
57	MG	2a	1618	1/1	0.65	0.34	80,80,80,80	0
57	MG	2A	3696	1/1	0.65	0.22	69,69,69,69	0
57	MG	2A	3614	1/1	0.66	0.29	67,67,67,67	0
57	MG	2A	3088	1/1	0.66	0.27	76,76,76,76	0
57	MG	2A	3763	1/1	0.66	0.20	64,64,64,64	0
57	MG	2y	105	1/1	0.66	0.33	82,82,82,82	0
57	MG	1A	3961	1/1	0.67	0.17	73,73,73,73	0
57	MG	1A	3481	1/1	0.67	0.22	59,59,59,59	0
57	MG	1a	1799	1/1	0.67	0.27	71,71,71,71	0
57	MG	2a	1782	1/1	0.68	0.29	73,73,73,73	0
57	MG	1A	4005	1/1	0.68	0.22	52,52,52,52	0
57	MG	1A	3660	1/1	0.68	0.27	72,72,72,72	0
57	MG	2a	1784	1/1	0.69	0.36	77,77,77,77	0
57	MG	2a	1793	1/1	0.69	0.35	73,73,73,73	0
57	MG	2v	103	1/1	0.69	0.31	78,78,78,78	0
57	MG	1A	3556	1/1	0.69	0.16	32,32,32,32	0
57	MG	1B	222	1/1	0.69	0.19	54,54,54,54	0
57	MG	2a	1619	1/1	0.70	0.18	68,68,68,68	0
57	MG	2a	1780	1/1	0.70	0.30	76,76,76,76	0
57	MG	2A	3647	1/1	0.70	0.20	69,69,69,69	0
57	MG	2A	3497	1/1	0.70	0.35	76,76,76,76	0
57	MG	2A	3345	1/1	0.71	0.27	77,77,77,77	0
57	MG	2A	3450	1/1	0.71	0.34	76,76,76,76	0
57	MG	1B	229	1/1	0.71	0.27	74,74,74,74	0
57	MG	2A	3591	1/1	0.71	0.26	66,66,66,66	0
57	MG	2a	1761	1/1	0.72	0.44	71,71,71,71	0
57	MG	1A	3985	1/1	0.72	0.17	59,59,59,59	0
57	MG	1A	3589	1/1	0.72	0.19	76,76,76,76	0
57	MG	1A	3465	1/1	0.72	0.25	74,74,74,74	0
57	MG	1B	230	1/1	0.72	0.17	73,73,73,73	0
57	MG	1U	209	1/1	0.72	0.42	64,64,64,64	0
57	MG	1A	4051	1/1	0.72	0.20	74,74,74,74	0
57	MG	2a	1706	1/1	0.72	0.27	76,76,76,76	0
57	MG	2A	3618	1/1	0.73	0.24	73,73,73,73	0
57	MG	1A	3535	1/1	0.73	0.21	65,65,65,65	0
57	MG	1E	313	1/1	0.73	0.28	66,66,66,66	0
57	MG	1T	202	1/1	0.73	0.23	66,66,66,66	0
57	MG	1A	3980	1/1	0.73	0.23	48,48,48,48	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	1A	3965	1/1	0.73	0.15	79,79,79,79	0
57	MG	1a	1649	1/1	0.74	0.23	68,68,68,68	0
57	MG	1A	4011	1/1	0.74	0.13	63,63,63,63	0
57	MG	1A	3367	1/1	0.74	0.25	68,68,68,68	0
57	MG	1A	4034	1/1	0.74	0.26	68,68,68,68	0
57	MG	2A	3588	1/1	0.74	0.26	73,73,73,73	0
57	MG	1A	3929	1/1	0.74	0.14	40,40,40,40	0
57	MG	2a	1766	1/1	0.74	0.20	71,71,71,71	0
57	MG	2A	3276	1/1	0.75	0.34	72,72,72,72	0
57	MG	1A	3941	1/1	0.75	0.22	48,48,48,48	0
57	MG	1A	3973	1/1	0.75	0.14	48,48,48,48	0
57	MG	1A	3918	1/1	0.75	0.22	74,74,74,74	0
57	MG	2a	1776	1/1	0.75	0.30	72,72,72,72	0
57	MG	2A	3690	1/1	0.75	0.14	64,64,64,64	0
57	MG	1A	3571	1/1	0.75	0.19	58,58,58,58	0
57	MG	1A	3997	1/1	0.75	0.23	59,59,59,59	0
57	MG	2A	3539	1/1	0.75	0.20	59,59,59,59	0
57	MG	2j	201	1/1	0.75	0.15	76,76,76,76	0
57	MG	2l	203	1/1	0.75	0.21	71,71,71,71	0
57	MG	2A	3818	1/1	0.75	0.23	73,73,73,73	0
57	MG	2w	107	1/1	0.75	0.27	79,79,79,79	0
57	MG	1x	107	1/1	0.75	0.14	70,70,70,70	0
57	MG	1B	207	1/1	0.75	0.21	69,69,69,69	0
57	MG	2A	3183	1/1	0.76	0.28	80,80,80,80	0
57	MG	2A	3718	1/1	0.76	0.18	44,44,44,44	0
57	MG	1A	3972	1/1	0.76	0.22	66,66,66,66	0
57	MG	2A	3277	1/1	0.76	0.41	79,79,79,79	0
57	MG	2A	3605	1/1	0.76	0.19	46,46,46,46	0
57	MG	2A	3841	1/1	0.76	0.19	68,68,68,68	0
57	MG	1A	3926	1/1	0.76	0.17	73,73,73,73	0
57	MG	1A	4077	1/1	0.76	0.19	64,64,64,64	0
57	MG	2l	205	1/1	0.76	0.25	72,72,72,72	0
57	MG	1A	3764	1/1	0.76	0.12	53,53,53,53	0
57	MG	1B	220	1/1	0.76	0.17	68,68,68,68	0
57	MG	2a	1721	1/1	0.76	0.28	75,75,75,75	0
57	MG	1A	3628	1/1	0.76	0.31	70,70,70,70	0
57	MG	2A	3712	1/1	0.77	0.19	39,39,39,39	0
57	MG	2a	1722	1/1	0.77	0.20	75,75,75,75	0
57	MG	2a	1735	1/1	0.77	0.14	85,85,85,85	0
57	MG	2A	3291	1/1	0.77	0.32	61,61,61,61	0
57	MG	2a	1603	1/1	0.77	0.17	76,76,76,76	0
57	MG	2a	1767	1/1	0.77	0.22	70,70,70,70	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	2A	3318	1/1	0.77	0.20	78,78,78,78	0
57	MG	2A	3569	1/1	0.77	0.18	71,71,71,71	0
57	MG	1a	1749	1/1	0.77	0.17	70,70,70,70	0
57	MG	2a	1716	1/1	0.78	0.26	79,79,79,79	0
57	MG	2A	3651	1/1	0.78	0.25	60,60,60,60	0
57	MG	2A	3512	1/1	0.78	0.17	53,53,53,53	0
57	MG	1A	3903	1/1	0.78	0.15	57,57,57,57	0
57	MG	2A	3547	1/1	0.78	0.17	61,61,61,61	0
57	MG	2A	3560	1/1	0.78	0.16	64,64,64,64	0
57	MG	2A	3563	1/1	0.78	0.18	60,60,60,60	0
57	MG	1A	3712	1/1	0.78	0.12	33,33,33,33	0
57	MG	2A	3805	1/1	0.78	0.21	68,68,68,68	0
57	MG	2A	3307	1/1	0.78	0.19	66,66,66,66	0
57	MG	2A	3821	1/1	0.78	0.24	72,72,72,72	0
57	MG	1A	3507	1/1	0.78	0.52	71,71,71,71	0
57	MG	2a	1797	1/1	0.78	0.36	74,74,74,74	0
57	MG	2A	3851	1/1	0.78	0.16	65,65,65,65	0
57	MG	1w	106	1/1	0.78	0.25	83,83,83,83	0
57	MG	1V	208	1/1	0.78	0.16	59,59,59,59	0
57	MG	1A	3892	1/1	0.78	0.11	70,70,70,70	0
57	MG	15	106	1/1	0.78	0.25	54,54,54,54	0
57	MG	1A	3897	1/1	0.78	0.22	59,59,59,59	0
57	MG	2a	1708	1/1	0.78	0.39	75,75,75,75	0
57	MG	2A	3355	1/1	0.79	0.30	71,71,71,71	0
57	MG	2a	1666	1/1	0.79	0.29	68,68,68,68	0
57	MG	1A	3547	1/1	0.79	0.17	64,64,64,64	0
57	MG	2A	3625	1/1	0.79	0.27	79,79,79,79	0
57	MG	2A	3101	1/1	0.79	0.19	73,73,73,73	0
57	MG	2A	3420	1/1	0.79	0.15	70,70,70,70	0
57	MG	2A	3106	1/1	0.79	0.19	76,76,76,76	0
57	MG	2A	3663	1/1	0.79	0.16	84,84,84,84	0
57	MG	2A	3469	1/1	0.79	0.34	78,78,78,78	0
57	MG	2A	3149	1/1	0.79	0.42	79,79,79,79	0
57	MG	2A	3709	1/1	0.79	0.22	76,76,76,76	0
57	MG	2A	3502	1/1	0.79	0.17	57,57,57,57	0
57	MG	1A	3762	1/1	0.79	0.25	64,64,64,64	0
57	MG	1a	1696	1/1	0.79	0.22	60,60,60,60	0
57	MG	1A	3920	1/1	0.79	0.14	73,73,73,73	0
57	MG	2A	3556	1/1	0.79	0.17	78,78,78,78	0
57	MG	1A	3485	1/1	0.79	0.16	65,65,65,65	0
57	MG	2A	3299	1/1	0.79	0.22	71,71,71,71	0
57	MG	2A	3829	1/1	0.79	0.21	69,69,69,69	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	1A	3477	1/1	0.79	0.29	74,74,74,74	0
57	MG	1A	3188	1/1	0.79	0.15	74,74,74,74	0
57	MG	1B	228	1/1	0.79	0.17	67,67,67,67	0
57	MG	2A	3598	1/1	0.79	0.21	51,51,51,51	0
57	MG	2A	3354	1/1	0.79	0.25	74,74,74,74	0
57	MG	1A	3438	1/1	0.80	0.17	63,63,63,63	0
57	MG	1a	1737	1/1	0.80	0.22	60,60,60,60	0
57	MG	2B	210	1/1	0.80	0.17	82,82,82,82	0
57	MG	1A	3478	1/1	0.80	0.18	70,70,70,70	0
57	MG	2A	3579	1/1	0.80	0.16	54,54,54,54	0
57	MG	2a	1610	1/1	0.80	0.34	70,70,70,70	0
57	MG	1A	3888	1/1	0.80	0.16	65,65,65,65	0
57	MG	1A	3702	1/1	0.80	0.16	68,68,68,68	0
57	MG	2a	1660	1/1	0.80	0.27	70,70,70,70	0
57	MG	1O	206	1/1	0.80	0.29	66,66,66,66	0
57	MG	2a	1684	1/1	0.80	0.31	69,69,69,69	0
57	MG	2a	1689	1/1	0.80	0.29	67,67,67,67	0
57	MG	1A	3976	1/1	0.80	0.22	60,60,60,60	0
57	MG	2A	3611	1/1	0.80	0.17	65,65,65,65	0
57	MG	2A	3346	1/1	0.80	0.16	67,67,67,67	0
57	MG	2A	3073	1/1	0.80	0.18	57,57,57,57	0
57	MG	1A	3375	1/1	0.80	0.25	68,68,68,68	0
57	MG	1B	214	1/1	0.80	0.16	61,61,61,61	0
57	MG	2A	3386	1/1	0.80	0.31	67,67,67,67	0
57	MG	2A	3392	1/1	0.80	0.16	65,65,65,65	0
57	MG	1A	3948	1/1	0.80	0.14	68,68,68,68	0
57	MG	2A	3403	1/1	0.80	0.14	70,70,70,70	0
57	MG	2A	3124	1/1	0.80	0.12	71,71,71,71	0
57	MG	2A	3704	1/1	0.80	0.09	82,82,82,82	0
57	MG	2A	3434	1/1	0.80	0.21	61,61,61,61	0
57	MG	1A	3754	1/1	0.80	0.23	58,58,58,58	0
57	MG	1A	3964	1/1	0.80	0.19	59,59,59,59	0
57	MG	2A	3186	1/1	0.80	0.12	69,69,69,69	0
57	MG	2A	3217	1/1	0.80	0.17	67,67,67,67	0
57	MG	2A	3235	1/1	0.80	0.42	76,76,76,76	0
57	MG	2A	3243	1/1	0.80	0.29	65,65,65,65	0
57	MG	2A	3272	1/1	0.80	0.15	71,71,71,71	0
57	MG	2A	3274	1/1	0.80	0.14	69,69,69,69	0
57	MG	2y	104	1/1	0.80	0.28	82,82,82,82	0
57	MG	2A	3832	1/1	0.80	0.17	64,64,64,64	0
57	MG	1A	3746	1/1	0.81	0.20	64,64,64,64	0
57	MG	2A	3670	1/1	0.81	0.25	62,62,62,62	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	2a	1670	1/1	0.81	0.41	74,74,74,74	0
57	MG	1A	4010	1/1	0.81	0.16	69,69,69,69	0
57	MG	1A	3632	1/1	0.81	0.12	66,66,66,66	0
57	MG	2a	1690	1/1	0.81	0.26	64,64,64,64	0
57	MG	2a	1695	1/1	0.81	0.28	68,68,68,68	0
57	MG	1A	3267	1/1	0.81	0.16	66,66,66,66	0
57	MG	2A	3343	1/1	0.81	0.10	81,81,81,81	0
57	MG	1A	3164	1/1	0.81	0.20	73,73,73,73	0
57	MG	1a	1744	1/1	0.81	0.18	68,68,68,68	0
57	MG	1A	4046	1/1	0.81	0.19	72,72,72,72	0
57	MG	2a	1728	1/1	0.81	0.15	68,68,68,68	0
57	MG	2A	3760	1/1	0.81	0.22	76,76,76,76	0
57	MG	2A	3761	1/1	0.81	0.20	72,72,72,72	0
57	MG	2A	3571	1/1	0.81	0.24	70,70,70,70	0
57	MG	2A	3205	1/1	0.81	0.22	69,69,69,69	0
57	MG	1A	3812	1/1	0.81	0.19	57,57,57,57	0
57	MG	2A	3372	1/1	0.81	0.22	74,74,74,74	0
57	MG	1A	4055	1/1	0.81	0.12	59,59,59,59	0
57	MG	2a	1783	1/1	0.81	0.32	65,65,65,65	0
57	MG	1A	3853	1/1	0.81	0.14	45,45,45,45	0
57	MG	2a	1787	1/1	0.81	0.24	62,62,62,62	0
57	MG	2A	3255	1/1	0.81	0.17	68,68,68,68	0
57	MG	2A	3263	1/1	0.81	0.38	73,73,73,73	0
57	MG	2a	1798	1/1	0.81	0.26	68,68,68,68	0
57	MG	2B	202	1/1	0.81	0.17	67,67,67,67	0
57	MG	1A	3925	1/1	0.81	0.14	74,74,74,74	0
57	MG	2N	201	1/1	0.81	0.13	76,76,76,76	0
57	MG	2A	3623	1/1	0.81	0.21	66,66,66,66	0
57	MG	1x	111	1/1	0.81	0.24	71,71,71,71	0
57	MG	2A	3046	1/1	0.81	0.29	68,68,68,68	0
57	MG	1A	4004	1/1	0.81	0.13	37,37,37,37	0
57	MG	2A	3278	1/1	0.81	0.25	73,73,73,73	0
57	MG	1A	3341	1/1	0.82	0.15	65,65,65,65	0
57	MG	2A	3621	1/1	0.82	0.22	69,69,69,69	0
57	MG	1A	3669	1/1	0.82	0.21	59,59,59,59	0
57	MG	1A	3874	1/1	0.82	0.13	48,48,48,48	0
57	MG	1A	4031	1/1	0.82	0.13	54,54,54,54	0
57	MG	1A	3887	1/1	0.82	0.13	32,32,32,32	0
57	MG	1A	3306	1/1	0.82	0.34	71,71,71,71	0
57	MG	2B	201	1/1	0.82	0.23	67,67,67,67	0
57	MG	1A	3933	1/1	0.82	0.13	36,36,36,36	0
57	MG	2a	1765	1/1	0.82	0.26	76,76,76,76	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	1x	104	1/1	0.82	0.18	69,69,69,69	0
57	MG	2F	3302	1/1	0.82	0.17	56,56,56,56	0
57	MG	2A	3678	1/1	0.82	0.21	70,70,70,70	0
57	MG	1A	3788	1/1	0.82	0.23	73,73,73,73	0
57	MG	20	104	1/1	0.82	0.19	67,67,67,67	0
57	MG	1A	4060	1/1	0.82	0.18	47,47,47,47	0
57	MG	2a	1606	1/1	0.82	0.19	70,70,70,70	0
57	MG	2A	3375	1/1	0.82	0.21	78,78,78,78	0
57	MG	2a	1613	1/1	0.82	0.14	70,70,70,70	0
57	MG	1A	3987	1/1	0.82	0.14	36,36,36,36	0
57	MG	1A	3791	1/1	0.82	0.12	52,52,52,52	0
57	MG	2a	1807	1/1	0.82	0.12	78,78,78,78	0
57	MG	2a	1620	1/1	0.82	0.22	65,65,65,65	0
57	MG	2a	1643	1/1	0.82	0.36	84,84,84,84	0
57	MG	14	101	1/1	0.82	0.16	71,71,71,71	0
57	MG	2v	102	1/1	0.82	0.26	68,68,68,68	0
57	MG	2A	3093	1/1	0.82	0.21	60,60,60,60	0
57	MG	1A	3792	1/1	0.82	0.16	68,68,68,68	0
57	MG	2A	3290	1/1	0.82	0.20	71,71,71,71	0
57	MG	1A	3904	1/1	0.82	0.13	36,36,36,36	0
57	MG	2A	3794	1/1	0.82	0.19	50,50,50,50	0
57	MG	2A	3171	1/1	0.83	0.14	50,50,50,50	0
57	MG	2A	3332	1/1	0.83	0.29	68,68,68,68	0
57	MG	2A	3341	1/1	0.83	0.34	62,62,62,62	0
57	MG	1a	1762	1/1	0.83	0.16	47,47,47,47	0
57	MG	1a	1777	1/1	0.83	0.15	71,71,71,71	0
57	MG	2a	1703	1/1	0.83	0.21	70,70,70,70	0
57	MG	2A	3201	1/1	0.83	0.21	76,76,76,76	0
57	MG	2A	3581	1/1	0.83	0.26	62,62,62,62	0
57	MG	2a	1713	1/1	0.83	0.23	72,72,72,72	0
57	MG	1A	3636	1/1	0.83	0.14	34,34,34,34	0
57	MG	1A	3506	1/1	0.83	0.20	67,67,67,67	0
57	MG	2A	3359	1/1	0.83	0.30	69,69,69,69	0
57	MG	1A	3966	1/1	0.83	0.10	66,66,66,66	0
57	MG	2A	3238	1/1	0.83	0.16	73,73,73,73	0
57	MG	2a	1752	1/1	0.83	0.14	68,68,68,68	0
57	MG	2A	3835	1/1	0.83	0.20	67,67,67,67	0
57	MG	2A	3840	1/1	0.83	0.32	71,71,71,71	0
57	MG	1a	1662	1/1	0.83	0.15	58,58,58,58	0
57	MG	2A	3849	1/1	0.83	0.18	61,61,61,61	0
57	MG	1A	3968	1/1	0.83	0.14	65,65,65,65	0
57	MG	1a	1721	1/1	0.83	0.24	67,67,67,67	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	2A	3264	1/1	0.83	0.19	62,62,62,62	0
57	MG	1a	1723	1/1	0.83	0.24	67,67,67,67	0
57	MG	1a	1730	1/1	0.83	0.21	61,61,61,61	0
57	MG	1A	3163	1/1	0.83	0.17	67,67,67,67	0
57	MG	2a	1792	1/1	0.83	0.14	64,64,64,64	0
57	MG	2A	3448	1/1	0.83	0.33	75,75,75,75	0
57	MG	1A	3418	1/1	0.83	0.23	75,75,75,75	0
57	MG	2A	3665	1/1	0.83	0.21	67,67,67,67	0
57	MG	1a	1747	1/1	0.83	0.17	65,65,65,65	0
57	MG	2A	3672	1/1	0.83	0.17	62,62,62,62	0
57	MG	1A	4090	1/1	0.83	0.21	60,60,60,60	0
57	MG	2A	3679	1/1	0.83	0.20	50,50,50,50	0
57	MG	2A	3146	1/1	0.83	0.23	69,69,69,69	0
57	MG	2A	3695	1/1	0.83	0.19	69,69,69,69	0
57	MG	1l	105	1/1	0.83	0.20	76,76,76,76	0
57	MG	2a	1653	1/1	0.83	0.30	68,68,68,68	0
57	MG	2A	3168	1/1	0.83	0.15	60,60,60,60	0
57	MG	2A	3310	1/1	0.83	0.16	68,68,68,68	0
57	MG	2A	3301	1/1	0.84	0.22	66,66,66,66	0
57	MG	2A	3169	1/1	0.84	0.16	64,64,64,64	0
57	MG	1A	3320	1/1	0.84	0.17	61,61,61,61	0
57	MG	1B	225	1/1	0.84	0.17	57,57,57,57	0
57	MG	2A	3720	1/1	0.84	0.17	60,60,60,60	0
57	MG	2A	3320	1/1	0.84	0.14	62,62,62,62	0
57	MG	2A	3327	1/1	0.84	0.20	68,68,68,68	0
57	MG	1A	3423	1/1	0.84	0.14	59,59,59,59	0
57	MG	2A	3335	1/1	0.84	0.19	70,70,70,70	0
57	MG	2A	3188	1/1	0.84	0.23	61,61,61,61	0
57	MG	2A	3578	1/1	0.84	0.12	37,37,37,37	0
57	MG	1a	1641	1/1	0.84	0.20	64,64,64,64	0
57	MG	1w	108	1/1	0.84	0.20	80,80,80,80	0
57	MG	2A	3826	1/1	0.84	0.18	68,68,68,68	0
57	MG	2A	3206	1/1	0.84	0.17	74,74,74,74	0
57	MG	2A	3348	1/1	0.84	0.31	67,67,67,67	0
57	MG	2A	3834	1/1	0.84	0.24	73,73,73,73	0
57	MG	1A	3797	1/1	0.84	0.18	53,53,53,53	0
57	MG	2A	3231	1/1	0.84	0.18	70,70,70,70	0
57	MG	1a	1659	1/1	0.84	0.25	73,73,73,73	0
57	MG	1A	3758	1/1	0.84	0.13	71,71,71,71	0
57	MG	2A	3022	1/1	0.84	0.18	74,74,74,74	0
57	MG	2A	3038	1/1	0.84	0.38	75,75,75,75	0
57	MG	1A	3424	1/1	0.84	0.16	59,59,59,59	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	1F	303	1/1	0.84	0.15	72,72,72,72	0
57	MG	2B	216	1/1	0.84	0.14	61,61,61,61	0
57	MG	1G	203	1/1	0.84	0.13	67,67,67,67	0
57	MG	2A	3402	1/1	0.84	0.34	63,63,63,63	0
57	MG	1A	4024	1/1	0.84	0.21	61,61,61,61	0
57	MG	2a	1795	1/1	0.84	0.18	69,69,69,69	0
57	MG	2A	3413	1/1	0.84	0.32	74,74,74,74	0
57	MG	1A	3366	1/1	0.84	0.30	70,70,70,70	0
57	MG	1A	4029	1/1	0.84	0.18	79,79,79,79	0
57	MG	2a	1810	1/1	0.84	0.36	68,68,68,68	0
57	MG	2A	3671	1/1	0.84	0.36	67,67,67,67	0
57	MG	2A	3442	1/1	0.84	0.20	68,68,68,68	0
57	MG	1A	3785	1/1	0.84	0.17	58,58,58,58	0
57	MG	1W	205	1/1	0.84	0.20	43,43,43,43	0
57	MG	2A	3462	1/1	0.84	0.21	68,68,68,68	0
57	MG	2w	102	1/1	0.84	0.11	78,78,78,78	0
57	MG	2w	103	1/1	0.84	0.20	75,75,75,75	0
57	MG	2a	1629	1/1	0.84	0.15	86,86,86,86	0
57	MG	2x	106	1/1	0.84	0.12	40,40,40,40	0
57	MG	2a	1637	1/1	0.84	0.29	71,71,71,71	0
57	MG	1a	1758	1/1	0.84	0.17	55,55,55,55	0
57	MG	1A	3395	1/1	0.84	0.13	71,71,71,71	0
57	MG	2A	3635	1/1	0.85	0.18	62,62,62,62	0
57	MG	2A	3639	1/1	0.85	0.15	57,57,57,57	0
57	MG	1A	3868	1/1	0.85	0.10	54,54,54,54	0
57	MG	2a	1607	1/1	0.85	0.35	68,68,68,68	0
57	MG	1a	1804	1/1	0.85	0.16	69,69,69,69	0
57	MG	1a	1807	1/1	0.85	0.12	78,78,78,78	0
57	MG	1a	1809	1/1	0.85	0.15	64,64,64,64	0
57	MG	2A	3664	1/1	0.85	0.12	69,69,69,69	0
57	MG	1A	3870	1/1	0.85	0.10	28,28,28,28	0
57	MG	2A	3669	1/1	0.85	0.24	77,77,77,77	0
57	MG	2a	1634	1/1	0.85	0.29	63,63,63,63	0
57	MG	1A	3938	1/1	0.85	0.17	47,47,47,47	0
57	MG	1a	1640	1/1	0.85	0.18	67,67,67,67	0
57	MG	1x	106	1/1	0.85	0.17	69,69,69,69	0
57	MG	2a	1655	1/1	0.85	0.16	64,64,64,64	0
57	MG	1A	3760	1/1	0.85	0.23	70,70,70,70	0
57	MG	1A	3684	1/1	0.85	0.10	51,51,51,51	0
57	MG	2a	1668	1/1	0.85	0.18	61,61,61,61	0
57	MG	2A	3680	1/1	0.85	0.19	64,64,64,64	0
57	MG	2a	1675	1/1	0.85	0.26	67,67,67,67	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	1A	3229	1/1	0.85	0.14	65,65,65,65	0
57	MG	1A	4019	1/1	0.85	0.11	54,54,54,54	0
57	MG	1a	1668	1/1	0.85	0.19	74,74,74,74	0
57	MG	2A	3701	1/1	0.85	0.18	73,73,73,73	0
57	MG	2A	3702	1/1	0.85	0.19	63,63,63,63	0
57	MG	2A	3050	1/1	0.85	0.21	65,65,65,65	0
57	MG	2A	3706	1/1	0.85	0.23	71,71,71,71	0
57	MG	2a	1710	1/1	0.85	0.18	64,64,64,64	0
57	MG	2A	3708	1/1	0.85	0.16	75,75,75,75	0
57	MG	2A	3054	1/1	0.85	0.16	66,66,66,66	0
57	MG	2A	3710	1/1	0.85	0.13	68,68,68,68	0
57	MG	2A	3289	1/1	0.85	0.21	70,70,70,70	0
57	MG	2A	3500	1/1	0.85	0.33	74,74,74,74	0
57	MG	2A	3062	1/1	0.85	0.10	55,55,55,55	0
57	MG	2A	3741	1/1	0.85	0.17	67,67,67,67	0
57	MG	2a	1754	1/1	0.85	0.18	69,69,69,69	0
57	MG	1a	1695	1/1	0.85	0.27	64,64,64,64	0
57	MG	2A	3753	1/1	0.85	0.12	65,65,65,65	0
57	MG	1A	3212	1/1	0.85	0.23	71,71,71,71	0
57	MG	1A	3065	1/1	0.85	0.26	62,62,62,62	0
57	MG	1A	3736	1/1	0.85	0.20	76,76,76,76	0
57	MG	2a	1779	1/1	0.85	0.22	70,70,70,70	0
57	MG	2A	3765	1/1	0.85	0.13	83,83,83,83	0
57	MG	2A	3784	1/1	0.85	0.12	72,72,72,72	0
57	MG	1A	3742	1/1	0.85	0.11	26,26,26,26	0
57	MG	2A	3804	1/1	0.85	0.17	45,45,45,45	0
57	MG	1A	3914	1/1	0.85	0.23	65,65,65,65	0
57	MG	2A	3134	1/1	0.85	0.32	69,69,69,69	0
57	MG	2A	3138	1/1	0.85	0.29	65,65,65,65	0
57	MG	2A	3330	1/1	0.85	0.29	79,79,79,79	0
57	MG	1A	3585	1/1	0.85	0.14	56,56,56,56	0
57	MG	1A	3410	1/1	0.85	0.22	59,59,59,59	0
57	MG	2A	3584	1/1	0.85	0.23	67,67,67,67	0
57	MG	2A	3339	1/1	0.85	0.22	73,73,73,73	0
57	MG	2f	202	1/1	0.85	0.21	75,75,75,75	0
57	MG	2A	3162	1/1	0.85	0.15	67,67,67,67	0
57	MG	1A	3923	1/1	0.85	0.13	75,75,75,75	0
57	MG	1A	4058	1/1	0.85	0.20	64,64,64,64	0
57	MG	1a	1759	1/1	0.85	0.12	62,62,62,62	0
57	MG	1A	3850	1/1	0.85	0.12	41,41,41,41	0
57	MG	1A	3595	1/1	0.85	0.16	69,69,69,69	0
57	MG	1A	4088	1/1	0.85	0.22	71,71,71,71	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	2A	3193	1/1	0.85	0.22	66,66,66,66	0
57	MG	2E	309	1/1	0.85	0.20	56,56,56,56	0
57	MG	2y	101	1/1	0.85	0.13	80,80,80,80	0
57	MG	1a	1791	1/1	0.85	0.16	56,56,56,56	0
57	MG	2A	3627	1/1	0.85	0.14	67,67,67,67	0
57	MG	2A	3632	1/1	0.85	0.14	74,74,74,74	0
57	MG	1a	1752	1/1	0.86	0.14	75,75,75,75	0
57	MG	2a	1616	1/1	0.86	0.16	60,60,60,60	0
57	MG	2A	3684	1/1	0.86	0.12	67,67,67,67	0
57	MG	1a	1753	1/1	0.86	0.13	54,54,54,54	0
57	MG	1A	3487	1/1	0.86	0.19	64,64,64,64	0
57	MG	2a	1622	1/1	0.86	0.24	72,72,72,72	0
57	MG	2A	3293	1/1	0.86	0.21	61,61,61,61	0
57	MG	2A	3697	1/1	0.86	0.17	64,64,64,64	0
57	MG	2a	1636	1/1	0.86	0.23	70,70,70,70	0
57	MG	1A	3861	1/1	0.86	0.12	42,42,42,42	0
57	MG	2a	1641	1/1	0.86	0.24	67,67,67,67	0
57	MG	1A	3637	1/1	0.86	0.11	27,27,27,27	0
57	MG	2A	3703	1/1	0.86	0.23	59,59,59,59	0
57	MG	2A	3304	1/1	0.86	0.12	63,63,63,63	0
57	MG	2a	1657	1/1	0.86	0.17	68,68,68,68	0
57	MG	1a	1612	1/1	0.86	0.32	66,66,66,66	0
57	MG	1a	1633	1/1	0.86	0.25	63,63,63,63	0
57	MG	1A	3492	1/1	0.86	0.26	61,61,61,61	0
57	MG	2A	3166	1/1	0.86	0.21	74,74,74,74	0
57	MG	1A	3579	1/1	0.86	0.17	55,55,55,55	0
57	MG	2A	3572	1/1	0.86	0.16	68,68,68,68	0
57	MG	2A	3577	1/1	0.86	0.10	44,44,44,44	0
57	MG	2A	3723	1/1	0.86	0.14	57,57,57,57	0
57	MG	2a	1691	1/1	0.86	0.16	62,62,62,62	0
57	MG	2a	1694	1/1	0.86	0.37	71,71,71,71	0
57	MG	2A	3724	1/1	0.86	0.16	55,55,55,55	0
57	MG	1a	1645	1/1	0.86	0.33	67,67,67,67	0
57	MG	2a	1704	1/1	0.86	0.22	75,75,75,75	0
57	MG	1E	311	1/1	0.86	0.09	25,25,25,25	0
57	MG	2A	3749	1/1	0.86	0.14	67,67,67,67	0
57	MG	1a	1650	1/1	0.86	0.16	59,59,59,59	0
57	MG	2A	3758	1/1	0.86	0.10	77,77,77,77	0
57	MG	1a	1814	1/1	0.86	0.14	58,58,58,58	0
57	MG	2a	1719	1/1	0.86	0.22	58,58,58,58	0
57	MG	1A	4067	1/1	0.86	0.25	64,64,64,64	0
57	MG	1A	3726	1/1	0.86	0.13	35,35,35,35	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	2a	1724	1/1	0.86	0.22	77,77,77,77	0
57	MG	1x	101	1/1	0.86	0.30	70,70,70,70	0
57	MG	2A	3774	1/1	0.86	0.14	53,53,53,53	0
57	MG	2a	1737	1/1	0.86	0.22	80,80,80,80	0
57	MG	2A	3203	1/1	0.86	0.17	64,64,64,64	0
57	MG	2A	3609	1/1	0.86	0.13	68,68,68,68	0
57	MG	2a	1760	1/1	0.86	0.17	54,54,54,54	0
57	MG	2A	3798	1/1	0.86	0.10	57,57,57,57	0
57	MG	1A	3810	1/1	0.86	0.16	70,70,70,70	0
57	MG	1A	4089	1/1	0.86	0.21	64,64,64,64	0
57	MG	1Q	205	1/1	0.86	0.14	58,58,58,58	0
57	MG	2A	3620	1/1	0.86	0.13	66,66,66,66	0
57	MG	1a	1702	1/1	0.86	0.29	76,76,76,76	0
57	MG	2A	3360	1/1	0.86	0.18	62,62,62,62	0
57	MG	1A	3734	1/1	0.86	0.08	39,39,39,39	0
57	MG	2A	3833	1/1	0.86	0.22	70,70,70,70	0
57	MG	1A	3814	1/1	0.86	0.21	45,45,45,45	0
57	MG	2a	1786	1/1	0.86	0.29	68,68,68,68	0
57	MG	1A	3840	1/1	0.86	0.11	23,23,23,23	0
57	MG	2A	3839	1/1	0.86	0.17	67,67,67,67	0
57	MG	2A	3247	1/1	0.86	0.35	67,67,67,67	0
57	MG	2A	3249	1/1	0.86	0.23	77,77,77,77	0
57	MG	1A	3981	1/1	0.86	0.14	51,51,51,51	0
57	MG	2A	3643	1/1	0.86	0.20	70,70,70,70	0
57	MG	2a	1804	1/1	0.86	0.26	65,65,65,65	0
57	MG	2a	1806	1/1	0.86	0.26	67,67,67,67	0
57	MG	2A	3856	1/1	0.86	0.20	69,69,69,69	0
57	MG	2A	3644	1/1	0.86	0.21	72,72,72,72	0
57	MG	1a	1739	1/1	0.86	0.18	55,55,55,55	0
57	MG	2B	206	1/1	0.86	0.23	66,66,66,66	0
57	MG	2A	3057	1/1	0.86	0.28	71,71,71,71	0
57	MG	2A	3660	1/1	0.86	0.19	64,64,64,64	0
57	MG	2q	202	1/1	0.86	0.20	74,74,74,74	0
57	MG	2A	3268	1/1	0.86	0.22	64,64,64,64	0
57	MG	1a	1742	1/1	0.86	0.18	66,66,66,66	0
57	MG	2A	3425	1/1	0.86	0.19	68,68,68,68	0
57	MG	2A	3067	1/1	0.86	0.33	71,71,71,71	0
57	MG	1X	107	1/1	0.86	0.15	56,56,56,56	0
57	MG	2a	1602	1/1	0.86	0.11	79,79,79,79	0
57	MG	1Y	201	1/1	0.86	0.13	56,56,56,56	0
57	MG	1A	3404	1/1	0.86	0.19	67,67,67,67	0
57	MG	2A	3286	1/1	0.86	0.16	69,69,69,69	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	2A	3467	1/1	0.86	0.21	60,60,60,60	0
57	MG	1A	3352	1/1	0.87	0.15	59,59,59,59	0
57	MG	1A	3393	1/1	0.87	0.20	57,57,57,57	0
57	MG	1A	3427	1/1	0.87	0.18	66,66,66,66	0
57	MG	2a	1624	1/1	0.87	0.13	71,71,71,71	0
57	MG	2A	3251	1/1	0.87	0.27	64,64,64,64	0
57	MG	1A	3359	1/1	0.87	0.11	51,51,51,51	0
57	MG	1A	3494	1/1	0.87	0.17	65,65,65,65	0
57	MG	2A	3470	1/1	0.87	0.19	66,66,66,66	0
57	MG	2A	3473	1/1	0.87	0.11	62,62,62,62	0
57	MG	2A	3479	1/1	0.87	0.12	53,53,53,53	0
57	MG	1A	3696	1/1	0.87	0.11	45,45,45,45	0
57	MG	1x	109	1/1	0.87	0.26	66,66,66,66	0
57	MG	1a	1654	1/1	0.87	0.13	57,57,57,57	0
57	MG	2A	3507	1/1	0.87	0.10	40,40,40,40	0
57	MG	2A	3007	1/1	0.87	0.26	63,63,63,63	0
57	MG	2A	3525	1/1	0.87	0.18	52,52,52,52	0
57	MG	1A	3699	1/1	0.87	0.12	54,54,54,54	0
57	MG	2a	1673	1/1	0.87	0.24	61,61,61,61	0
57	MG	1A	3449	1/1	0.87	0.14	67,67,67,67	0
57	MG	2A	3043	1/1	0.87	0.17	58,58,58,58	0
57	MG	2A	3743	1/1	0.87	0.12	63,63,63,63	0
57	MG	1A	3994	1/1	0.87	0.13	60,60,60,60	0
57	MG	1a	1670	1/1	0.87	0.13	62,62,62,62	0
57	MG	1a	1682	1/1	0.87	0.21	67,67,67,67	0
57	MG	2A	3755	1/1	0.87	0.13	47,47,47,47	0
57	MG	2a	1702	1/1	0.87	0.29	67,67,67,67	0
57	MG	2A	3757	1/1	0.87	0.14	46,46,46,46	0
57	MG	1a	1692	1/1	0.87	0.22	65,65,65,65	0
57	MG	1A	3704	1/1	0.87	0.15	53,53,53,53	0
57	MG	2A	3064	1/1	0.87	0.17	73,73,73,73	0
57	MG	1A	3806	1/1	0.87	0.10	42,42,42,42	0
57	MG	1A	3607	1/1	0.87	0.09	26,26,26,26	0
57	MG	2A	3079	1/1	0.87	0.18	60,60,60,60	0
57	MG	1a	1717	1/1	0.87	0.16	74,74,74,74	0
57	MG	2A	3787	1/1	0.87	0.08	58,58,58,58	0
57	MG	2A	3090	1/1	0.87	0.15	72,72,72,72	0
57	MG	1A	3717	1/1	0.87	0.08	20,20,20,20	0
57	MG	2A	3800	1/1	0.87	0.13	68,68,68,68	0
57	MG	2a	1732	1/1	0.87	0.15	67,67,67,67	0
57	MG	1D	310	1/1	0.87	0.17	51,51,51,51	0
57	MG	1a	1727	1/1	0.87	0.30	67,67,67,67	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	2a	1738	1/1	0.87	0.10	66,66,66,66	0
57	MG	1A	3613	1/1	0.87	0.07	37,37,37,37	0
57	MG	2A	3819	1/1	0.87	0.13	68,68,68,68	0
57	MG	2A	3610	1/1	0.87	0.24	54,54,54,54	0
57	MG	1a	1731	1/1	0.87	0.11	55,55,55,55	0
57	MG	2a	1764	1/1	0.87	0.28	80,80,80,80	0
57	MG	1A	3829	1/1	0.87	0.08	21,21,21,21	0
57	MG	1E	315	1/1	0.87	0.12	58,58,58,58	0
57	MG	1A	4020	1/1	0.87	0.09	28,28,28,28	0
57	MG	2a	1772	1/1	0.87	0.15	60,60,60,60	0
57	MG	2A	3154	1/1	0.87	0.22	67,67,67,67	0
57	MG	1A	4021	1/1	0.87	0.09	27,27,27,27	0
57	MG	1A	3363	1/1	0.87	0.19	61,61,61,61	0
57	MG	1A	3934	1/1	0.87	0.17	55,55,55,55	0
57	MG	1A	3848	1/1	0.87	0.17	58,58,58,58	0
57	MG	1A	3524	1/1	0.87	0.22	59,59,59,59	0
57	MG	1A	3131	1/1	0.87	0.22	51,51,51,51	0
57	MG	2A	3184	1/1	0.87	0.18	64,64,64,64	0
57	MG	1A	4045	1/1	0.87	0.20	60,60,60,60	0
57	MG	1A	3743	1/1	0.87	0.09	25,25,25,25	0
57	MG	2B	205	1/1	0.87	0.21	63,63,63,63	0
57	MG	2A	3381	1/1	0.87	0.23	50,50,50,50	0
57	MG	2A	3648	1/1	0.87	0.25	58,58,58,58	0
57	MG	2a	1801	1/1	0.87	0.19	72,72,72,72	0
57	MG	2B	212	1/1	0.87	0.25	71,71,71,71	0
57	MG	2B	215	1/1	0.87	0.19	72,72,72,72	0
57	MG	2A	3649	1/1	0.87	0.16	58,58,58,58	0
57	MG	2a	1809	1/1	0.87	0.21	57,57,57,57	0
57	MG	2B	218	1/1	0.87	0.24	68,68,68,68	0
57	MG	2A	3383	1/1	0.87	0.22	39,39,39,39	0
57	MG	2F	3301	1/1	0.87	0.11	59,59,59,59	0
57	MG	1A	3962	1/1	0.87	0.14	73,73,73,73	0
57	MG	2A	3390	1/1	0.87	0.23	67,67,67,67	0
57	MG	2V	202	1/1	0.87	0.14	62,62,62,62	0
57	MG	1A	3863	1/1	0.87	0.22	62,62,62,62	0
57	MG	1a	1789	1/1	0.87	0.10	69,69,69,69	0
57	MG	11	103	1/1	0.87	0.15	62,62,62,62	0
57	MG	1A	3244	1/1	0.87	0.26	63,63,63,63	0
57	MG	2w	104	1/1	0.87	0.15	72,72,72,72	0
57	MG	2A	3410	1/1	0.87	0.29	69,69,69,69	0
57	MG	1A	3869	1/1	0.87	0.14	67,67,67,67	0
57	MG	1A	4061	1/1	0.87	0.14	53,53,53,53	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	2y	102	1/1	0.87	0.14	82,82,82,82	0
57	MG	1a	1602	1/1	0.87	0.19	60,60,60,60	0
57	MG	2A	3428	1/1	0.87	0.13	71,71,71,71	0
57	MG	1A	3646	1/1	0.87	0.24	64,64,64,64	0
57	MG	1A	3365	1/1	0.88	0.28	70,70,70,70	0
57	MG	26	101	1/1	0.88	0.22	64,64,64,64	0
57	MG	1A	3787	1/1	0.88	0.24	63,63,63,63	0
57	MG	2A	3141	1/1	0.88	0.17	58,58,58,58	0
57	MG	1A	3416	1/1	0.88	0.20	64,64,64,64	0
57	MG	1a	1757	1/1	0.88	0.16	72,72,72,72	0
57	MG	2A	3352	1/1	0.88	0.18	65,65,65,65	0
57	MG	1A	4068	1/1	0.88	0.13	47,47,47,47	0
57	MG	2A	3659	1/1	0.88	0.16	56,56,56,56	0
57	MG	1A	3896	1/1	0.88	0.13	52,52,52,52	0
57	MG	1A	3206	1/1	0.88	0.12	51,51,51,51	0
57	MG	1A	3902	1/1	0.88	0.09	38,38,38,38	0
57	MG	1a	1763	1/1	0.88	0.15	49,49,49,49	0
57	MG	2A	3369	1/1	0.88	0.23	62,62,62,62	0
57	MG	2a	1625	1/1	0.88	0.15	71,71,71,71	0
57	MG	1A	3332	1/1	0.88	0.17	57,57,57,57	0
57	MG	2A	3178	1/1	0.88	0.23	64,64,64,64	0
57	MG	2A	3180	1/1	0.88	0.22	65,65,65,65	0
57	MG	2A	3182	1/1	0.88	0.14	63,63,63,63	0
57	MG	2a	1640	1/1	0.88	0.15	65,65,65,65	0
57	MG	1a	1788	1/1	0.88	0.30	75,75,75,75	0
57	MG	1A	3372	1/1	0.88	0.12	55,55,55,55	0
57	MG	2a	1644	1/1	0.88	0.32	81,81,81,81	0
57	MG	2A	3185	1/1	0.88	0.39	75,75,75,75	0
57	MG	2A	3397	1/1	0.88	0.33	62,62,62,62	0
57	MG	2A	3692	1/1	0.88	0.15	55,55,55,55	0
57	MG	1B	208	1/1	0.88	0.24	71,71,71,71	0
57	MG	1a	1793	1/1	0.88	0.14	70,70,70,70	0
57	MG	2A	3189	1/1	0.88	0.21	60,60,60,60	0
57	MG	2A	3404	1/1	0.88	0.26	62,62,62,62	0
57	MG	1a	1798	1/1	0.88	0.19	59,59,59,59	0
57	MG	1A	3908	1/1	0.88	0.08	43,43,43,43	0
57	MG	1a	1802	1/1	0.88	0.11	66,66,66,66	0
57	MG	1B	215	1/1	0.88	0.11	59,59,59,59	0
57	MG	1A	3910	1/1	0.88	0.14	48,48,48,48	0
57	MG	2A	3212	1/1	0.88	0.16	63,63,63,63	0
57	MG	2A	3214	1/1	0.88	0.16	62,62,62,62	0
57	MG	1A	3069	1/1	0.88	0.14	59,59,59,59	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	2a	1696	1/1	0.88	0.16	67,67,67,67	0
57	MG	2a	1698	1/1	0.88	0.23	72,72,72,72	0
57	MG	2a	1701	1/1	0.88	0.18	63,63,63,63	0
57	MG	1a	1653	1/1	0.88	0.24	61,61,61,61	0
57	MG	1f	3101	1/1	0.88	0.16	48,48,48,48	0
57	MG	1A	3714	1/1	0.88	0.13	38,38,38,38	0
57	MG	1A	3387	1/1	0.88	0.15	53,53,53,53	0
57	MG	1A	3276	1/1	0.88	0.23	66,66,66,66	0
57	MG	1a	1664	1/1	0.88	0.29	60,60,60,60	0
57	MG	1A	3924	1/1	0.88	0.15	58,58,58,58	0
57	MG	2A	3254	1/1	0.88	0.10	66,66,66,66	0
57	MG	1A	3298	1/1	0.88	0.18	52,52,52,52	0
57	MG	2A	3501	1/1	0.88	0.20	55,55,55,55	0
57	MG	2A	3257	1/1	0.88	0.15	59,59,59,59	0
57	MG	2A	3503	1/1	0.88	0.24	61,61,61,61	0
57	MG	2A	3261	1/1	0.88	0.13	66,66,66,66	0
57	MG	1x	108	1/1	0.88	0.14	67,67,67,67	0
57	MG	1D	302	1/1	0.88	0.24	60,60,60,60	0
57	MG	2A	3532	1/1	0.88	0.10	40,40,40,40	0
57	MG	2A	3266	1/1	0.88	0.13	68,68,68,68	0
57	MG	2a	1750	1/1	0.88	0.14	78,78,78,78	0
57	MG	2A	3778	1/1	0.88	0.14	39,39,39,39	0
57	MG	2A	3781	1/1	0.88	0.12	46,46,46,46	0
57	MG	2A	3544	1/1	0.88	0.16	57,57,57,57	0
57	MG	1a	1688	1/1	0.88	0.15	71,71,71,71	0
57	MG	1A	3835	1/1	0.88	0.10	44,44,44,44	0
57	MG	1A	3476	1/1	0.88	0.12	68,68,68,68	0
57	MG	2A	3030	1/1	0.88	0.11	54,54,54,54	0
57	MG	2A	3565	1/1	0.88	0.11	39,39,39,39	0
57	MG	2a	1769	1/1	0.88	0.17	68,68,68,68	0
57	MG	2A	3568	1/1	0.88	0.21	56,56,56,56	0
57	MG	1A	3847	1/1	0.88	0.19	68,68,68,68	0
57	MG	2a	1777	1/1	0.88	0.16	67,67,67,67	0
57	MG	1a	1697	1/1	0.88	0.22	63,63,63,63	0
57	MG	1A	3551	1/1	0.88	0.16	52,52,52,52	0
57	MG	2a	1781	1/1	0.88	0.22	62,62,62,62	0
57	MG	2A	3574	1/1	0.88	0.14	59,59,59,59	0
57	MG	2A	3287	1/1	0.88	0.18	76,76,76,76	0
57	MG	2A	3830	1/1	0.88	0.11	58,58,58,58	0
57	MG	1a	1709	1/1	0.88	0.10	52,52,52,52	0
57	MG	1a	1716	1/1	0.88	0.13	60,60,60,60	0
57	MG	2a	1789	1/1	0.88	0.11	61,61,61,61	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	1A	3240	1/1	0.88	0.14	56,56,56,56	0
57	MG	2A	3583	1/1	0.88	0.16	47,47,47,47	0
57	MG	1A	4030	1/1	0.88	0.14	63,63,63,63	0
57	MG	1N	201	1/1	0.88	0.12	47,47,47,47	0
57	MG	2A	3066	1/1	0.88	0.23	58,58,58,58	0
57	MG	1O	205	1/1	0.88	0.11	67,67,67,67	0
57	MG	2A	3850	1/1	0.88	0.13	56,56,56,56	0
57	MG	2a	1805	1/1	0.88	0.28	68,68,68,68	0
57	MG	1A	3557	1/1	0.88	0.15	57,57,57,57	0
57	MG	1A	3406	1/1	0.88	0.18	71,71,71,71	0
57	MG	2A	3317	1/1	0.88	0.27	73,73,73,73	0
57	MG	1A	3680	1/1	0.88	0.14	60,60,60,60	0
57	MG	2e	201	1/1	0.88	0.10	63,63,63,63	0
57	MG	2A	3319	1/1	0.88	0.13	78,78,78,78	0
57	MG	2g	201	1/1	0.88	0.14	77,77,77,77	0
57	MG	1A	3574	1/1	0.88	0.08	35,35,35,35	0
57	MG	2B	207	1/1	0.88	0.12	69,69,69,69	0
57	MG	1a	1741	1/1	0.88	0.17	66,66,66,66	0
57	MG	1A	3685	1/1	0.88	0.11	57,57,57,57	0
57	MG	2B	214	1/1	0.88	0.26	70,70,70,70	0
57	MG	1A	3686	1/1	0.88	0.18	59,59,59,59	0
57	MG	2A	3333	1/1	0.88	0.17	64,64,64,64	0
57	MG	2B	217	1/1	0.88	0.30	73,73,73,73	0
57	MG	2A	3116	1/1	0.88	0.16	58,58,58,58	0
57	MG	2A	3629	1/1	0.88	0.14	60,60,60,60	0
57	MG	2A	3338	1/1	0.88	0.13	58,58,58,58	0
57	MG	1A	3780	1/1	0.88	0.22	44,44,44,44	0
57	MG	2A	3636	1/1	0.88	0.15	60,60,60,60	0
57	MG	2T	203	1/1	0.88	0.22	69,69,69,69	0
57	MG	2A	3340	1/1	0.88	0.45	53,53,53,53	0
57	MG	2A	3640	1/1	0.88	0.15	67,67,67,67	0
57	MG	1w	104	1/1	0.89	0.14	72,72,72,72	0
57	MG	1A	3915	1/1	0.89	0.15	58,58,58,58	0
57	MG	1A	4033	1/1	0.89	0.13	55,55,55,55	0
57	MG	2A	3270	1/1	0.89	0.22	65,65,65,65	0
57	MG	2B	213	1/1	0.89	0.25	61,61,61,61	0
57	MG	1a	1603	1/1	0.89	0.22	65,65,65,65	0
57	MG	1A	3153	1/1	0.89	0.18	64,64,64,64	0
57	MG	1a	1630	1/1	0.89	0.22	66,66,66,66	0
57	MG	1A	3024	1/1	0.89	0.20	76,76,76,76	0
57	MG	1A	3282	1/1	0.89	0.09	36,36,36,36	0
57	MG	2D	307	1/1	0.89	0.12	60,60,60,60	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	2E	307	1/1	0.89	0.10	36,36,36,36	0
57	MG	2A	3282	1/1	0.89	0.22	68,68,68,68	0
57	MG	2A	3284	1/1	0.89	0.13	49,49,49,49	0
57	MG	1A	3291	1/1	0.89	0.25	60,60,60,60	0
57	MG	1x	110	1/1	0.89	0.11	27,27,27,27	0
57	MG	2Q	202	1/1	0.89	0.23	65,65,65,65	0
57	MG	2A	3288	1/1	0.89	0.18	62,62,62,62	0
57	MG	1A	3803	1/1	0.89	0.12	59,59,59,59	0
57	MG	1x	113	1/1	0.89	0.14	55,55,55,55	0
57	MG	2A	3001	1/1	0.89	0.36	64,64,64,64	0
57	MG	2A	3003	1/1	0.89	0.17	55,55,55,55	0
57	MG	28	101	1/1	0.89	0.21	68,68,68,68	0
57	MG	28	102	1/1	0.89	0.18	63,63,63,63	0
57	MG	1A	4056	1/1	0.89	0.13	49,49,49,49	0
57	MG	1A	3582	1/1	0.89	0.14	55,55,55,55	0
57	MG	2a	1604	1/1	0.89	0.22	60,60,60,60	0
57	MG	1A	3409	1/1	0.89	0.15	66,66,66,66	0
57	MG	1A	3232	1/1	0.89	0.18	64,64,64,64	0
57	MG	2a	1609	1/1	0.89	0.18	66,66,66,66	0
57	MG	2A	3308	1/1	0.89	0.17	61,61,61,61	0
57	MG	2a	1611	1/1	0.89	0.24	71,71,71,71	0
57	MG	2A	3626	1/1	0.89	0.14	58,58,58,58	0
57	MG	1a	1656	1/1	0.89	0.31	63,63,63,63	0
57	MG	2A	3314	1/1	0.89	0.13	57,57,57,57	0
57	MG	1a	1657	1/1	0.89	0.35	74,74,74,74	0
57	MG	1A	4062	1/1	0.89	0.17	41,41,41,41	0
57	MG	1a	1660	1/1	0.89	0.34	63,63,63,63	0
57	MG	2A	3637	1/1	0.89	0.12	58,58,58,58	0
57	MG	1A	3813	1/1	0.89	0.10	43,43,43,43	0
57	MG	2A	3325	1/1	0.89	0.16	64,64,64,64	0
57	MG	2a	1630	1/1	0.89	0.25	72,72,72,72	0
57	MG	2A	3641	1/1	0.89	0.16	65,65,65,65	0
57	MG	1A	3937	1/1	0.89	0.09	53,53,53,53	0
57	MG	2A	3329	1/1	0.89	0.15	74,74,74,74	0
57	MG	1a	1665	1/1	0.89	0.16	50,50,50,50	0
57	MG	1A	4073	1/1	0.89	0.09	73,73,73,73	0
57	MG	2a	1642	1/1	0.89	0.14	54,54,54,54	0
57	MG	1A	3705	1/1	0.89	0.09	25,25,25,25	0
57	MG	2A	3068	1/1	0.89	0.21	56,56,56,56	0
57	MG	2a	1651	1/1	0.89	0.35	74,74,74,74	0
57	MG	2A	3336	1/1	0.89	0.21	73,73,73,73	0
57	MG	2A	3652	1/1	0.89	0.13	58,58,58,58	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	1a	1672	1/1	0.89	0.33	65,65,65,65	0
57	MG	1a	1674	1/1	0.89	0.13	65,65,65,65	0
57	MG	1a	1678	1/1	0.89	0.19	55,55,55,55	0
57	MG	1A	3413	1/1	0.89	0.18	53,53,53,53	0
57	MG	2A	3091	1/1	0.89	0.13	74,74,74,74	0
57	MG	1A	3600	1/1	0.89	0.11	43,43,43,43	0
57	MG	1A	3953	1/1	0.89	0.13	40,40,40,40	0
57	MG	2a	1680	1/1	0.89	0.21	63,63,63,63	0
57	MG	1A	3956	1/1	0.89	0.08	41,41,41,41	0
57	MG	2a	1688	1/1	0.89	0.23	72,72,72,72	0
57	MG	1A	3300	1/1	0.89	0.17	55,55,55,55	0
57	MG	2A	3676	1/1	0.89	0.10	37,37,37,37	0
57	MG	1B	212	1/1	0.89	0.22	63,63,63,63	0
57	MG	2A	3129	1/1	0.89	0.14	66,66,66,66	0
57	MG	1A	3610	1/1	0.89	0.10	43,43,43,43	0
57	MG	1a	1706	1/1	0.89	0.20	65,65,65,65	0
57	MG	2A	3140	1/1	0.89	0.23	64,64,64,64	0
57	MG	1A	3730	1/1	0.89	0.07	71,71,71,71	0
57	MG	2A	3693	1/1	0.89	0.21	71,71,71,71	0
57	MG	1a	1715	1/1	0.89	0.15	60,60,60,60	0
57	MG	1A	3210	1/1	0.89	0.23	49,49,49,49	0
57	MG	2A	3153	1/1	0.89	0.15	61,61,61,61	0
57	MG	2A	3382	1/1	0.89	0.34	55,55,55,55	0
57	MG	1A	3852	1/1	0.89	0.13	62,62,62,62	0
57	MG	2A	3385	1/1	0.89	0.29	58,58,58,58	0
57	MG	1A	3496	1/1	0.89	0.16	66,66,66,66	0
57	MG	1A	3969	1/1	0.89	0.09	49,49,49,49	0
57	MG	2a	1720	1/1	0.89	0.24	67,67,67,67	0
57	MG	1A	3023	1/1	0.89	0.18	54,54,54,54	0
57	MG	2A	3394	1/1	0.89	0.31	63,63,63,63	0
57	MG	1A	3329	1/1	0.89	0.24	54,54,54,54	0
57	MG	1A	3744	1/1	0.89	0.11	42,42,42,42	0
57	MG	1B	234	1/1	0.89	0.17	70,70,70,70	0
57	MG	2A	3719	1/1	0.89	0.18	61,61,61,61	0
57	MG	1a	1738	1/1	0.89	0.11	72,72,72,72	0
57	MG	1A	3745	1/1	0.89	0.09	40,40,40,40	0
57	MG	1A	3978	1/1	0.89	0.08	40,40,40,40	0
57	MG	2A	3729	1/1	0.89	0.18	42,42,42,42	0
57	MG	2A	3740	1/1	0.89	0.11	56,56,56,56	0
57	MG	1A	3522	1/1	0.89	0.18	63,63,63,63	0
57	MG	1A	3748	1/1	0.89	0.12	52,52,52,52	0
57	MG	1A	3984	1/1	0.89	0.11	55,55,55,55	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	1A	3880	1/1	0.89	0.10	43,43,43,43	0
57	MG	2A	3430	1/1	0.89	0.17	64,64,64,64	0
57	MG	1A	3886	1/1	0.89	0.09	30,30,30,30	0
57	MG	1A	3642	1/1	0.89	0.08	43,43,43,43	0
57	MG	2A	3445	1/1	0.89	0.28	65,65,65,65	0
57	MG	2a	1773	1/1	0.89	0.18	70,70,70,70	0
57	MG	2A	3759	1/1	0.89	0.13	65,65,65,65	0
57	MG	2A	3200	1/1	0.89	0.19	59,59,59,59	0
57	MG	1A	3755	1/1	0.89	0.12	43,43,43,43	0
57	MG	1A	3999	1/1	0.89	0.11	56,56,56,56	0
57	MG	1A	3643	1/1	0.89	0.12	40,40,40,40	0
57	MG	2A	3770	1/1	0.89	0.17	61,61,61,61	0
57	MG	1Q	207	1/1	0.89	0.18	60,60,60,60	0
57	MG	2A	3777	1/1	0.89	0.12	61,61,61,61	0
57	MG	1A	3425	1/1	0.89	0.24	72,72,72,72	0
57	MG	1A	3379	1/1	0.89	0.14	67,67,67,67	0
57	MG	1A	3898	1/1	0.89	0.14	53,53,53,53	0
57	MG	2A	3481	1/1	0.89	0.30	55,55,55,55	0
57	MG	2A	3790	1/1	0.89	0.13	44,44,44,44	0
57	MG	2A	3791	1/1	0.89	0.12	60,60,60,60	0
57	MG	2A	3496	1/1	0.89	0.14	57,57,57,57	0
57	MG	2A	3224	1/1	0.89	0.16	59,59,59,59	0
57	MG	1A	3430	1/1	0.89	0.11	48,48,48,48	0
57	MG	2A	3802	1/1	0.89	0.14	74,74,74,74	0
57	MG	1A	3773	1/1	0.89	0.13	52,52,52,52	0
57	MG	2A	3236	1/1	0.89	0.27	56,56,56,56	0
57	MG	2A	3807	1/1	0.89	0.11	40,40,40,40	0
57	MG	2A	3808	1/1	0.89	0.09	49,49,49,49	0
57	MG	1A	3777	1/1	0.89	0.19	60,60,60,60	0
57	MG	2A	3242	1/1	0.89	0.15	61,61,61,61	0
57	MG	2A	3509	1/1	0.89	0.10	48,48,48,48	0
57	MG	2A	3511	1/1	0.89	0.16	54,54,54,54	0
57	MG	1Z	302	1/1	0.89	0.10	59,59,59,59	0
57	MG	2l	201	1/1	0.89	0.14	65,65,65,65	0
57	MG	2A	3522	1/1	0.89	0.16	44,44,44,44	0
57	MG	2l	204	1/1	0.89	0.12	62,62,62,62	0
57	MG	2A	3245	1/1	0.89	0.14	62,62,62,62	0
57	MG	2A	3526	1/1	0.89	0.19	71,71,71,71	0
57	MG	2v	101	1/1	0.89	0.28	61,61,61,61	0
57	MG	2A	3527	1/1	0.89	0.15	60,60,60,60	0
57	MG	10	105	1/1	0.89	0.26	61,61,61,61	0
57	MG	2A	3538	1/1	0.89	0.17	74,74,74,74	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	1A	3907	1/1	0.89	0.12	50,50,50,50	0
57	MG	11	102	1/1	0.89	0.14	62,62,62,62	0
57	MG	1A	3245	1/1	0.89	0.10	49,49,49,49	0
57	MG	2A	3555	1/1	0.89	0.14	68,68,68,68	0
57	MG	1A	3555	1/1	0.89	0.12	58,58,58,58	0
57	MG	13	103	1/1	0.89	0.14	59,59,59,59	0
57	MG	2A	3259	1/1	0.89	0.41	68,68,68,68	0
57	MG	1A	3392	1/1	0.89	0.14	57,57,57,57	0
57	MG	15	105	1/1	0.89	0.12	47,47,47,47	0
57	MG	2A	3406	1/1	0.90	0.21	55,55,55,55	0
57	MG	2A	3005	1/1	0.90	0.26	60,60,60,60	0
57	MG	1A	4040	1/1	0.90	0.15	55,55,55,55	0
57	MG	1A	3383	1/1	0.90	0.13	48,48,48,48	0
57	MG	1A	3630	1/1	0.90	0.11	40,40,40,40	0
57	MG	2A	3426	1/1	0.90	0.15	59,59,59,59	0
57	MG	1A	3343	1/1	0.90	0.24	65,65,65,65	0
57	MG	1A	3955	1/1	0.90	0.10	50,50,50,50	0
57	MG	2A	3432	1/1	0.90	0.12	73,73,73,73	0
57	MG	2a	1614	1/1	0.90	0.12	67,67,67,67	0
57	MG	1A	3388	1/1	0.90	0.17	54,54,54,54	0
57	MG	2a	1617	1/1	0.90	0.23	69,69,69,69	0
57	MG	2A	3681	1/1	0.90	0.17	66,66,66,66	0
57	MG	2A	3437	1/1	0.90	0.31	71,71,71,71	0
57	MG	2A	3689	1/1	0.90	0.12	57,57,57,57	0
57	MG	2A	3256	1/1	0.90	0.12	71,71,71,71	0
57	MG	10	102	1/1	0.90	0.14	58,58,58,58	0
57	MG	1a	1725	1/1	0.90	0.14	61,61,61,61	0
57	MG	2a	1628	1/1	0.90	0.29	67,67,67,67	0
57	MG	1A	3518	1/1	0.90	0.12	51,51,51,51	0
57	MG	2A	3451	1/1	0.90	0.12	57,57,57,57	0
57	MG	2a	1633	1/1	0.90	0.35	62,62,62,62	0
57	MG	2A	3457	1/1	0.90	0.20	59,59,59,59	0
57	MG	2a	1635	1/1	0.90	0.23	70,70,70,70	0
57	MG	1A	3391	1/1	0.90	0.13	50,50,50,50	0
57	MG	1A	3429	1/1	0.90	0.15	68,68,68,68	0
57	MG	1a	1733	1/1	0.90	0.12	74,74,74,74	0
57	MG	1A	3876	1/1	0.90	0.10	61,61,61,61	0
57	MG	1A	3162	1/1	0.90	0.15	55,55,55,55	0
57	MG	1A	3652	1/1	0.90	0.12	29,29,29,29	0
57	MG	1A	3431	1/1	0.90	0.20	65,65,65,65	0
57	MG	2a	1645	1/1	0.90	0.15	80,80,80,80	0
57	MG	1A	3657	1/1	0.90	0.10	59,59,59,59	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	1A	3890	1/1	0.90	0.09	53,53,53,53	0
57	MG	1A	3432	1/1	0.90	0.23	55,55,55,55	0
57	MG	2A	3279	1/1	0.90	0.13	62,62,62,62	0
57	MG	1A	3263	1/1	0.90	0.07	40,40,40,40	0
57	MG	2A	3100	1/1	0.90	0.28	69,69,69,69	0
57	MG	2A	3506	1/1	0.90	0.16	56,56,56,56	0
57	MG	2A	3726	1/1	0.90	0.15	61,61,61,61	0
57	MG	1a	1750	1/1	0.90	0.12	64,64,64,64	0
57	MG	2a	1674	1/1	0.90	0.30	70,70,70,70	0
57	MG	2A	3731	1/1	0.90	0.15	71,71,71,71	0
57	MG	2a	1677	1/1	0.90	0.17	64,64,64,64	0
57	MG	2A	3104	1/1	0.90	0.23	61,61,61,61	0
57	MG	2a	1682	1/1	0.90	0.37	64,64,64,64	0
57	MG	1a	1605	1/1	0.90	0.10	61,61,61,61	0
57	MG	2a	1687	1/1	0.90	0.16	73,73,73,73	0
57	MG	2A	3113	1/1	0.90	0.20	72,72,72,72	0
57	MG	2A	3519	1/1	0.90	0.12	64,64,64,64	0
57	MG	2A	3114	1/1	0.90	0.22	60,60,60,60	0
57	MG	2A	3751	1/1	0.90	0.16	50,50,50,50	0
57	MG	2A	3115	1/1	0.90	0.30	65,65,65,65	0
57	MG	1A	3784	1/1	0.90	0.14	61,61,61,61	0
57	MG	2A	3121	1/1	0.90	0.35	70,70,70,70	0
57	MG	2A	3122	1/1	0.90	0.15	57,57,57,57	0
57	MG	2A	3537	1/1	0.90	0.08	49,49,49,49	0
57	MG	1a	1621	1/1	0.90	0.28	63,63,63,63	0
57	MG	1A	3362	1/1	0.90	0.14	52,52,52,52	0
57	MG	2A	3540	1/1	0.90	0.12	45,45,45,45	0
57	MG	2a	1705	1/1	0.90	0.12	60,60,60,60	0
57	MG	2A	3543	1/1	0.90	0.09	47,47,47,47	0
57	MG	2a	1707	1/1	0.90	0.22	60,60,60,60	0
57	MG	1A	3900	1/1	0.90	0.15	57,57,57,57	0
57	MG	2A	3773	1/1	0.90	0.08	38,38,38,38	0
57	MG	2A	3545	1/1	0.90	0.14	71,71,71,71	0
57	MG	1A	3983	1/1	0.90	0.17	55,55,55,55	0
57	MG	2a	1717	1/1	0.90	0.12	68,68,68,68	0
57	MG	2a	1718	1/1	0.90	0.19	78,78,78,78	0
57	MG	2A	3550	1/1	0.90	0.14	57,57,57,57	0
57	MG	2A	3311	1/1	0.90	0.15	55,55,55,55	0
57	MG	2A	3312	1/1	0.90	0.13	60,60,60,60	0
57	MG	1A	3464	1/1	0.90	0.15	53,53,53,53	0
57	MG	1A	3569	1/1	0.90	0.14	45,45,45,45	0
57	MG	1A	3151	1/1	0.90	0.18	61,61,61,61	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	1A	3470	1/1	0.90	0.14	61,61,61,61	0
57	MG	1A	3303	1/1	0.90	0.12	61,61,61,61	0
57	MG	2A	3570	1/1	0.90	0.24	62,62,62,62	0
57	MG	1A	3269	1/1	0.90	0.12	64,64,64,64	0
57	MG	1A	3241	1/1	0.90	0.17	68,68,68,68	0
57	MG	2A	3164	1/1	0.90	0.10	69,69,69,69	0
57	MG	2A	3806	1/1	0.90	0.10	56,56,56,56	0
57	MG	2a	1759	1/1	0.90	0.15	52,52,52,52	0
57	MG	1A	3588	1/1	0.90	0.12	50,50,50,50	0
57	MG	1A	3480	1/1	0.90	0.15	53,53,53,53	0
57	MG	1a	1801	1/1	0.90	0.11	49,49,49,49	0
57	MG	1A	3593	1/1	0.90	0.11	39,39,39,39	0
57	MG	1a	1803	1/1	0.90	0.14	62,62,62,62	0
57	MG	1A	3411	1/1	0.90	0.23	50,50,50,50	0
57	MG	2A	3828	1/1	0.90	0.10	54,54,54,54	0
57	MG	1a	1805	1/1	0.90	0.15	70,70,70,70	0
57	MG	1E	310	1/1	0.90	0.16	60,60,60,60	0
57	MG	1A	3825	1/1	0.90	0.13	66,66,66,66	0
57	MG	1A	3279	1/1	0.90	0.26	62,62,62,62	0
57	MG	2A	3607	1/1	0.90	0.12	46,46,46,46	0
57	MG	2A	3608	1/1	0.90	0.16	42,42,42,42	0
57	MG	1b	301	1/1	0.90	0.13	63,63,63,63	0
57	MG	1A	4023	1/1	0.90	0.13	47,47,47,47	0
57	MG	1a	1671	1/1	0.90	0.12	69,69,69,69	0
57	MG	2A	3844	1/1	0.90	0.12	61,61,61,61	0
57	MG	2A	3351	1/1	0.90	0.36	65,65,65,65	0
57	MG	2A	3615	1/1	0.90	0.24	70,70,70,70	0
57	MG	2a	1788	1/1	0.90	0.25	58,58,58,58	0
57	MG	2A	3617	1/1	0.90	0.15	63,63,63,63	0
57	MG	2A	3853	1/1	0.90	0.14	67,67,67,67	0
57	MG	2A	3192	1/1	0.90	0.17	62,62,62,62	0
57	MG	1A	3601	1/1	0.90	0.14	49,49,49,49	0
57	MG	2A	3195	1/1	0.90	0.35	68,68,68,68	0
57	MG	1w	107	1/1	0.90	0.09	79,79,79,79	0
57	MG	1G	202	1/1	0.90	0.21	62,62,62,62	0
57	MG	2a	1802	1/1	0.90	0.24	68,68,68,68	0
57	MG	1A	3928	1/1	0.90	0.12	26,26,26,26	0
57	MG	2B	208	1/1	0.90	0.14	57,57,57,57	0
57	MG	2B	209	1/1	0.90	0.19	59,59,59,59	0
57	MG	2A	3368	1/1	0.90	0.11	67,67,67,67	0
57	MG	2A	3204	1/1	0.90	0.16	55,55,55,55	0
57	MG	1a	1679	1/1	0.90	0.32	68,68,68,68	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	2A	3373	1/1	0.90	0.16	64,64,64,64	0
57	MG	1A	3140	1/1	0.90	0.09	49,49,49,49	0
57	MG	1a	1684	1/1	0.90	0.24	67,67,67,67	0
57	MG	1a	1686	1/1	0.90	0.10	55,55,55,55	0
57	MG	2A	3216	1/1	0.90	0.22	66,66,66,66	0
57	MG	2A	3384	1/1	0.90	0.25	54,54,54,54	0
57	MG	2E	303	1/1	0.90	0.14	65,65,65,65	0
57	MG	1N	207	1/1	0.90	0.16	47,47,47,47	0
57	MG	1A	3417	1/1	0.90	0.15	70,70,70,70	0
57	MG	2A	3226	1/1	0.90	0.17	63,63,63,63	0
57	MG	2A	3645	1/1	0.90	0.13	48,48,48,48	0
57	MG	2A	3228	1/1	0.90	0.12	60,60,60,60	0
57	MG	2O	3900	1/1	0.90	0.12	60,60,60,60	0
57	MG	1A	3612	1/1	0.90	0.10	35,35,35,35	0
57	MG	2A	3234	1/1	0.90	0.17	81,81,81,81	0
57	MG	1x	112	1/1	0.90	0.11	69,69,69,69	0
57	MG	2x	105	1/1	0.90	0.24	67,67,67,67	0
57	MG	2A	3401	1/1	0.90	0.23	56,56,56,56	0
57	MG	2A	3654	1/1	0.90	0.19	48,48,48,48	0
57	MG	25	105	1/1	0.90	0.13	63,63,63,63	0
57	MG	1A	3288	1/1	0.90	0.16	44,44,44,44	0
57	MG	1A	3616	1/1	0.90	0.07	34,34,34,34	0
57	MG	1A	4039	1/1	0.90	0.14	41,41,41,41	0
59	A1AE1	2A	3855	76/76	0.90	0.15	46,60,66,71	0
57	MG	1A	3894	1/1	0.91	0.08	66,66,66,66	0
57	MG	1O	204	1/1	0.91	0.09	45,45,45,45	0
57	MG	20	103	1/1	0.91	0.28	70,70,70,70	0
57	MG	2A	3353	1/1	0.91	0.24	49,49,49,49	0
57	MG	25	101	1/1	0.91	0.08	68,68,68,68	0
57	MG	1A	3664	1/1	0.91	0.11	53,53,53,53	0
57	MG	1A	3774	1/1	0.91	0.16	48,48,48,48	0
57	MG	1A	3666	1/1	0.91	0.10	49,49,49,49	0
57	MG	1A	3305	1/1	0.91	0.12	61,61,61,61	0
57	MG	2A	3361	1/1	0.91	0.13	64,64,64,64	0
57	MG	2A	3159	1/1	0.91	0.22	59,59,59,59	0
57	MG	2A	3366	1/1	0.91	0.22	58,58,58,58	0
57	MG	2a	1605	1/1	0.91	0.34	72,72,72,72	0
57	MG	1A	3782	1/1	0.91	0.09	44,44,44,44	0
57	MG	1A	4014	1/1	0.91	0.08	47,47,47,47	0
57	MG	2a	1608	1/1	0.91	0.20	64,64,64,64	0
57	MG	1A	3783	1/1	0.91	0.15	57,57,57,57	0
57	MG	1A	3673	1/1	0.91	0.13	60,60,60,60	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	2A	3650	1/1	0.91	0.17	69,69,69,69	0
57	MG	1A	3679	1/1	0.91	0.16	74,74,74,74	0
57	MG	2A	3378	1/1	0.91	0.19	56,56,56,56	0
57	MG	2A	3380	1/1	0.91	0.21	44,44,44,44	0
57	MG	2A	3655	1/1	0.91	0.10	69,69,69,69	0
57	MG	1A	3185	1/1	0.91	0.10	51,51,51,51	0
57	MG	1A	3683	1/1	0.91	0.09	50,50,50,50	0
57	MG	1A	3912	1/1	0.91	0.13	57,57,57,57	0
57	MG	2a	1621	1/1	0.91	0.13	74,74,74,74	0
57	MG	1A	3790	1/1	0.91	0.09	53,53,53,53	0
57	MG	2a	1623	1/1	0.91	0.15	54,54,54,54	0
57	MG	1A	3584	1/1	0.91	0.14	39,39,39,39	0
57	MG	2A	3666	1/1	0.91	0.10	61,61,61,61	0
57	MG	10	110	1/1	0.91	0.13	54,54,54,54	0
57	MG	2A	3388	1/1	0.91	0.13	37,37,37,37	0
57	MG	10	111	1/1	0.91	0.25	70,70,70,70	0
57	MG	1A	3916	1/1	0.91	0.10	66,66,66,66	0
57	MG	1a	1770	1/1	0.91	0.10	68,68,68,68	0
57	MG	1A	3313	1/1	0.91	0.14	63,63,63,63	0
57	MG	2A	3399	1/1	0.91	0.18	52,52,52,52	0
57	MG	1a	1786	1/1	0.91	0.24	52,52,52,52	0
57	MG	1a	1787	1/1	0.91	0.29	56,56,56,56	0
57	MG	1A	3369	1/1	0.91	0.26	65,65,65,65	0
57	MG	2A	3687	1/1	0.91	0.16	75,75,75,75	0
57	MG	1A	4038	1/1	0.91	0.14	32,32,32,32	0
57	MG	1a	1790	1/1	0.91	0.26	59,59,59,59	0
57	MG	13	104	1/1	0.91	0.09	50,50,50,50	0
57	MG	2a	1647	1/1	0.91	0.10	64,64,64,64	0
57	MG	2a	1648	1/1	0.91	0.22	52,52,52,52	0
57	MG	1A	3921	1/1	0.91	0.15	67,67,67,67	0
57	MG	1A	3799	1/1	0.91	0.08	65,65,65,65	0
57	MG	2A	3416	1/1	0.91	0.14	48,48,48,48	0
57	MG	2A	3417	1/1	0.91	0.15	65,65,65,65	0
57	MG	1A	3688	1/1	0.91	0.09	23,23,23,23	0
57	MG	2A	3207	1/1	0.91	0.21	47,47,47,47	0
57	MG	2a	1667	1/1	0.91	0.32	77,77,77,77	0
57	MG	15	107	1/1	0.91	0.12	63,63,63,63	0
57	MG	2a	1669	1/1	0.91	0.22	63,63,63,63	0
57	MG	18	105	1/1	0.91	0.14	53,53,53,53	0
57	MG	2A	3705	1/1	0.91	0.20	67,67,67,67	0
57	MG	1A	3805	1/1	0.91	0.12	54,54,54,54	0
57	MG	1A	3314	1/1	0.91	0.09	54,54,54,54	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	2A	3223	1/1	0.91	0.19	54,54,54,54	0
57	MG	2a	1679	1/1	0.91	0.23	55,55,55,55	0
57	MG	1a	1604	1/1	0.91	0.12	60,60,60,60	0
57	MG	2A	3439	1/1	0.91	0.19	63,63,63,63	0
57	MG	2a	1683	1/1	0.91	0.12	68,68,68,68	0
57	MG	2A	3716	1/1	0.91	0.15	60,60,60,60	0
57	MG	1A	3808	1/1	0.91	0.12	57,57,57,57	0
57	MG	1a	1609	1/1	0.91	0.40	61,61,61,61	0
57	MG	1a	1811	1/1	0.91	0.14	74,74,74,74	0
57	MG	1A	3373	1/1	0.91	0.23	58,58,58,58	0
57	MG	1a	1613	1/1	0.91	0.11	57,57,57,57	0
57	MG	2a	1693	1/1	0.91	0.12	67,67,67,67	0
57	MG	1e	201	1/1	0.91	0.12	68,68,68,68	0
57	MG	1A	4057	1/1	0.91	0.18	58,58,58,58	0
57	MG	2A	3241	1/1	0.91	0.14	48,48,48,48	0
57	MG	1n	101	1/1	0.91	0.37	65,65,65,65	0
57	MG	1v	101	1/1	0.91	0.20	68,68,68,68	0
57	MG	1a	1622	1/1	0.91	0.21	60,60,60,60	0
57	MG	2A	3745	1/1	0.91	0.16	72,72,72,72	0
57	MG	2A	3475	1/1	0.91	0.16	41,41,41,41	0
57	MG	2A	3748	1/1	0.91	0.09	48,48,48,48	0
57	MG	2A	3478	1/1	0.91	0.10	35,35,35,35	0
57	MG	1a	1623	1/1	0.91	0.25	63,63,63,63	0
57	MG	1A	3930	1/1	0.91	0.13	38,38,38,38	0
57	MG	2A	3486	1/1	0.91	0.17	68,68,68,68	0
57	MG	2a	1711	1/1	0.91	0.16	57,57,57,57	0
57	MG	2A	3489	1/1	0.91	0.09	46,46,46,46	0
57	MG	2A	3492	1/1	0.91	0.10	52,52,52,52	0
57	MG	1A	3123	1/1	0.91	0.14	51,51,51,51	0
57	MG	1A	3599	1/1	0.91	0.14	52,52,52,52	0
57	MG	1A	3936	1/1	0.91	0.10	49,49,49,49	0
57	MG	1A	3322	1/1	0.91	0.13	52,52,52,52	0
57	MG	1A	3203	1/1	0.91	0.23	53,53,53,53	0
57	MG	2A	3769	1/1	0.91	0.10	62,62,62,62	0
57	MG	1A	3071	1/1	0.91	0.14	38,38,38,38	0
57	MG	1A	3713	1/1	0.91	0.13	34,34,34,34	0
57	MG	1A	4079	1/1	0.91	0.19	39,39,39,39	0
57	MG	2a	1734	1/1	0.91	0.16	65,65,65,65	0
57	MG	1A	3075	1/1	0.91	0.15	31,31,31,31	0
57	MG	1A	3843	1/1	0.91	0.14	42,42,42,42	0
57	MG	1A	3080	1/1	0.91	0.16	58,58,58,58	0
57	MG	1B	206	1/1	0.91	0.19	52,52,52,52	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	1A	3960	1/1	0.91	0.08	54,54,54,54	0
57	MG	2a	1753	1/1	0.91	0.09	67,67,67,67	0
57	MG	1A	3348	1/1	0.91	0.10	50,50,50,50	0
57	MG	2a	1757	1/1	0.91	0.14	65,65,65,65	0
57	MG	2A	3275	1/1	0.91	0.29	63,63,63,63	0
57	MG	1A	3534	1/1	0.91	0.14	40,40,40,40	0
57	MG	2A	3797	1/1	0.91	0.08	56,56,56,56	0
57	MG	2a	1762	1/1	0.91	0.20	58,58,58,58	0
57	MG	2A	3529	1/1	0.91	0.09	55,55,55,55	0
57	MG	2A	3009	1/1	0.91	0.23	63,63,63,63	0
57	MG	1a	1666	1/1	0.91	0.26	63,63,63,63	0
57	MG	1B	213	1/1	0.91	0.14	56,56,56,56	0
57	MG	2A	3031	1/1	0.91	0.11	44,44,44,44	0
57	MG	2a	1771	1/1	0.91	0.33	67,67,67,67	0
57	MG	2A	3283	1/1	0.91	0.11	56,56,56,56	0
57	MG	1a	1669	1/1	0.91	0.22	68,68,68,68	0
57	MG	1A	3294	1/1	0.91	0.10	47,47,47,47	0
57	MG	1A	3538	1/1	0.91	0.18	43,43,43,43	0
57	MG	1A	3856	1/1	0.91	0.11	37,37,37,37	0
57	MG	1a	1673	1/1	0.91	0.25	62,62,62,62	0
57	MG	2A	3822	1/1	0.91	0.14	58,58,58,58	0
57	MG	2A	3823	1/1	0.91	0.19	68,68,68,68	0
57	MG	1A	3967	1/1	0.91	0.09	54,54,54,54	0
57	MG	2A	3059	1/1	0.91	0.23	61,61,61,61	0
57	MG	1a	1676	1/1	0.91	0.26	52,52,52,52	0
57	MG	2A	3297	1/1	0.91	0.21	60,60,60,60	0
57	MG	1A	3860	1/1	0.91	0.09	25,25,25,25	0
57	MG	2A	3566	1/1	0.91	0.17	60,60,60,60	0
57	MG	2a	1791	1/1	0.91	0.15	62,62,62,62	0
57	MG	1B	224	1/1	0.91	0.08	49,49,49,49	0
57	MG	1A	3546	1/1	0.91	0.25	54,54,54,54	0
57	MG	1B	227	1/1	0.91	0.09	40,40,40,40	0
57	MG	1A	3446	1/1	0.91	0.11	43,43,43,43	0
57	MG	1A	3448	1/1	0.91	0.15	69,69,69,69	0
57	MG	2A	3573	1/1	0.91	0.17	45,45,45,45	0
57	MG	2A	3848	1/1	0.91	0.23	62,62,62,62	0
57	MG	2A	3085	1/1	0.91	0.17	60,60,60,60	0
57	MG	1A	3640	1/1	0.91	0.12	29,29,29,29	0
57	MG	1a	1693	1/1	0.91	0.30	64,64,64,64	0
57	MG	1A	3353	1/1	0.91	0.29	38,38,38,38	0
57	MG	1B	236	1/1	0.91	0.10	42,42,42,42	0
57	MG	2A	3094	1/1	0.91	0.14	45,45,45,45	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	2A	3096	1/1	0.91	0.19	58,58,58,58	0
57	MG	2A	3323	1/1	0.91	0.17	61,61,61,61	0
57	MG	1A	3401	1/1	0.91	0.18	43,43,43,43	0
57	MG	2A	3326	1/1	0.91	0.30	69,69,69,69	0
57	MG	1A	3248	1/1	0.91	0.25	53,53,53,53	0
57	MG	1E	308	1/1	0.91	0.16	52,52,52,52	0
57	MG	2A	3105	1/1	0.91	0.17	66,66,66,66	0
57	MG	1A	3558	1/1	0.91	0.12	40,40,40,40	0
57	MG	2A	3112	1/1	0.91	0.20	58,58,58,58	0
57	MG	1a	1711	1/1	0.91	0.17	46,46,46,46	0
57	MG	1A	3224	1/1	0.91	0.16	68,68,68,68	0
57	MG	2A	3337	1/1	0.91	0.24	60,60,60,60	0
57	MG	2A	3616	1/1	0.91	0.23	61,61,61,61	0
57	MG	1A	3759	1/1	0.91	0.10	59,59,59,59	0
57	MG	1A	3166	1/1	0.91	0.10	57,57,57,57	0
57	MG	2w	105	1/1	0.91	0.22	51,51,51,51	0
57	MG	1a	1718	1/1	0.91	0.19	55,55,55,55	0
57	MG	2x	101	1/1	0.91	0.19	41,41,41,41	0
57	MG	2x	103	1/1	0.91	0.27	69,69,69,69	0
57	MG	1A	3364	1/1	0.91	0.30	47,47,47,47	0
57	MG	1F	313	1/1	0.91	0.11	52,52,52,52	0
57	MG	2A	3624	1/1	0.91	0.14	62,62,62,62	0
57	MG	2A	3344	1/1	0.91	0.18	60,60,60,60	0
57	MG	1A	3988	1/1	0.91	0.11	33,33,33,33	0
57	MG	1A	3662	1/1	0.91	0.17	59,59,59,59	0
57	MG	1A	3996	1/1	0.91	0.06	14,14,14,14	0
57	MG	2A	3631	1/1	0.91	0.13	58,58,58,58	0
57	MG	1a	1810	1/1	0.92	0.15	54,54,54,54	0
57	MG	2A	3376	1/1	0.92	0.26	65,65,65,65	0
57	MG	1A	3456	1/1	0.92	0.16	59,59,59,59	0
57	MG	2A	3379	1/1	0.92	0.33	53,53,53,53	0
57	MG	1a	1812	1/1	0.92	0.12	55,55,55,55	0
57	MG	1A	3457	1/1	0.92	0.11	66,66,66,66	0
57	MG	1a	1658	1/1	0.92	0.26	64,64,64,64	0
57	MG	2A	3646	1/1	0.92	0.12	49,49,49,49	0
57	MG	1d	301	1/1	0.92	0.14	59,59,59,59	0
57	MG	1A	3239	1/1	0.92	0.18	62,62,62,62	0
57	MG	1A	3905	1/1	0.92	0.13	64,64,64,64	0
57	MG	1h	201	1/1	0.92	0.10	72,72,72,72	0
57	MG	1B	235	1/1	0.92	0.12	48,48,48,48	0
57	MG	2A	3389	1/1	0.92	0.10	49,49,49,49	0
57	MG	1A	3346	1/1	0.92	0.29	44,44,44,44	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	2A	3210	1/1	0.92	0.12	53,53,53,53	0
57	MG	2A	3657	1/1	0.92	0.10	61,61,61,61	0
57	MG	1A	3399	1/1	0.92	0.21	44,44,44,44	0
57	MG	1A	4006	1/1	0.92	0.08	44,44,44,44	0
57	MG	2a	1615	1/1	0.92	0.20	56,56,56,56	0
57	MG	2A	3661	1/1	0.92	0.11	69,69,69,69	0
57	MG	1A	3473	1/1	0.92	0.13	60,60,60,60	0
57	MG	1A	3119	1/1	0.92	0.16	54,54,54,54	0
57	MG	1A	3271	1/1	0.92	0.10	28,28,28,28	0
57	MG	1x	102	1/1	0.92	0.17	55,55,55,55	0
57	MG	1A	3272	1/1	0.92	0.24	48,48,48,48	0
57	MG	1x	105	1/1	0.92	0.12	56,56,56,56	0
57	MG	1A	3592	1/1	0.92	0.08	31,31,31,31	0
57	MG	2A	3409	1/1	0.92	0.13	51,51,51,51	0
57	MG	1A	3061	1/1	0.92	0.23	48,48,48,48	0
57	MG	2a	1627	1/1	0.92	0.14	58,58,58,58	0
57	MG	1F	304	1/1	0.92	0.09	65,65,65,65	0
57	MG	2A	3415	1/1	0.92	0.23	64,64,64,64	0
57	MG	1A	3312	1/1	0.92	0.12	54,54,54,54	0
57	MG	1A	3002	1/1	0.92	0.10	48,48,48,48	0
57	MG	2A	3240	1/1	0.92	0.23	67,67,67,67	0
57	MG	2A	3685	1/1	0.92	0.09	42,42,42,42	0
57	MG	1A	4026	1/1	0.92	0.27	67,67,67,67	0
57	MG	1a	1680	1/1	0.92	0.18	57,57,57,57	0
57	MG	2a	1638	1/1	0.92	0.29	65,65,65,65	0
57	MG	2a	1639	1/1	0.92	0.24	66,66,66,66	0
57	MG	1a	1681	1/1	0.92	0.35	57,57,57,57	0
57	MG	1A	3706	1/1	0.92	0.11	44,44,44,44	0
57	MG	2A	3246	1/1	0.92	0.12	60,60,60,60	0
57	MG	1N	205	1/1	0.92	0.17	48,48,48,48	0
57	MG	2A	3435	1/1	0.92	0.20	64,64,64,64	0
57	MG	2A	3004	1/1	0.92	0.30	63,63,63,63	0
57	MG	2A	3699	1/1	0.92	0.10	58,58,58,58	0
57	MG	2A	3250	1/1	0.92	0.17	57,57,57,57	0
57	MG	2A	3441	1/1	0.92	0.14	53,53,53,53	0
57	MG	2a	1652	1/1	0.92	0.10	75,75,75,75	0
57	MG	1a	1685	1/1	0.92	0.17	58,58,58,58	0
57	MG	2a	1654	1/1	0.92	0.15	64,64,64,64	0
57	MG	1A	3280	1/1	0.92	0.21	55,55,55,55	0
57	MG	2A	3446	1/1	0.92	0.19	51,51,51,51	0
57	MG	1O	201	1/1	0.92	0.10	68,68,68,68	0
57	MG	2a	1661	1/1	0.92	0.19	52,52,52,52	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	2a	1662	1/1	0.92	0.12	58,58,58,58	0
57	MG	1a	1690	1/1	0.92	0.22	56,56,56,56	0
57	MG	2A	3023	1/1	0.92	0.13	56,56,56,56	0
57	MG	2A	3456	1/1	0.92	0.10	47,47,47,47	0
57	MG	2A	3258	1/1	0.92	0.15	63,63,63,63	0
57	MG	2A	3713	1/1	0.92	0.11	56,56,56,56	0
57	MG	2A	3028	1/1	0.92	0.24	67,67,67,67	0
57	MG	2A	3717	1/1	0.92	0.40	48,48,48,48	0
57	MG	2A	3260	1/1	0.92	0.16	58,58,58,58	0
57	MG	2a	1676	1/1	0.92	0.18	62,62,62,62	0
57	MG	1A	3822	1/1	0.92	0.17	40,40,40,40	0
57	MG	1A	3415	1/1	0.92	0.17	37,37,37,37	0
57	MG	2A	3034	1/1	0.92	0.09	39,39,39,39	0
57	MG	1A	3828	1/1	0.92	0.10	46,46,46,46	0
57	MG	1A	3606	1/1	0.92	0.07	28,28,28,28	0
57	MG	1A	3832	1/1	0.92	0.13	22,22,22,22	0
57	MG	2A	3730	1/1	0.92	0.09	57,57,57,57	0
57	MG	2A	3047	1/1	0.92	0.09	52,52,52,52	0
57	MG	2A	3485	1/1	0.92	0.12	53,53,53,53	0
57	MG	2A	3273	1/1	0.92	0.16	59,59,59,59	0
57	MG	2A	3742	1/1	0.92	0.15	65,65,65,65	0
57	MG	1S	3603	1/1	0.92	0.09	59,59,59,59	0
57	MG	1T	201	1/1	0.92	0.10	57,57,57,57	0
57	MG	1A	3316	1/1	0.92	0.11	62,62,62,62	0
57	MG	2A	3058	1/1	0.92	0.23	60,60,60,60	0
57	MG	1A	3317	1/1	0.92	0.16	61,61,61,61	0
57	MG	2A	3750	1/1	0.92	0.12	64,64,64,64	0
57	MG	1A	4041	1/1	0.92	0.11	48,48,48,48	0
57	MG	2A	3280	1/1	0.92	0.16	63,63,63,63	0
57	MG	1A	4042	1/1	0.92	0.19	66,66,66,66	0
57	MG	2A	3504	1/1	0.92	0.14	53,53,53,53	0
57	MG	2A	3065	1/1	0.92	0.23	65,65,65,65	0
57	MG	1A	3319	1/1	0.92	0.19	69,69,69,69	0
57	MG	1A	3419	1/1	0.92	0.15	49,49,49,49	0
57	MG	1A	3509	1/1	0.92	0.11	50,50,50,50	0
57	MG	2A	3762	1/1	0.92	0.11	74,74,74,74	0
57	MG	2A	3070	1/1	0.92	0.12	58,58,58,58	0
57	MG	1a	1722	1/1	0.92	0.12	55,55,55,55	0
57	MG	2A	3074	1/1	0.92	0.15	53,53,53,53	0
57	MG	1A	3627	1/1	0.92	0.07	29,29,29,29	0
57	MG	2A	3082	1/1	0.92	0.14	65,65,65,65	0
57	MG	1A	3514	1/1	0.92	0.20	46,46,46,46	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	1A	3949	1/1	0.92	0.13	52,52,52,52	0
57	MG	1A	3004	1/1	0.92	0.13	43,43,43,43	0
57	MG	2a	1723	1/1	0.92	0.17	63,63,63,63	0
57	MG	2A	3533	1/1	0.92	0.13	45,45,45,45	0
57	MG	2A	3535	1/1	0.92	0.25	59,59,59,59	0
57	MG	2a	1730	1/1	0.92	0.10	64,64,64,64	0
57	MG	2a	1731	1/1	0.92	0.14	62,62,62,62	0
57	MG	1A	3371	1/1	0.92	0.16	66,66,66,66	0
57	MG	2A	3789	1/1	0.92	0.15	61,61,61,61	0
57	MG	2A	3305	1/1	0.92	0.26	54,54,54,54	0
57	MG	1A	3523	1/1	0.92	0.20	59,59,59,59	0
57	MG	1A	3101	1/1	0.92	0.11	46,46,46,46	0
57	MG	2a	1749	1/1	0.92	0.20	68,68,68,68	0
57	MG	2A	3796	1/1	0.92	0.10	75,75,75,75	0
57	MG	2A	3541	1/1	0.92	0.10	44,44,44,44	0
57	MG	2A	3095	1/1	0.92	0.13	49,49,49,49	0
57	MG	11	104	1/1	0.92	0.08	45,45,45,45	0
57	MG	1A	3529	1/1	0.92	0.09	40,40,40,40	0
57	MG	12	102	1/1	0.92	0.13	49,49,49,49	0
57	MG	2A	3548	1/1	0.92	0.19	63,63,63,63	0
57	MG	2A	3549	1/1	0.92	0.12	55,55,55,55	0
57	MG	1A	3866	1/1	0.92	0.10	39,39,39,39	0
57	MG	2a	1763	1/1	0.92	0.10	59,59,59,59	0
57	MG	2A	3553	1/1	0.92	0.15	63,63,63,63	0
57	MG	2A	3810	1/1	0.92	0.10	41,41,41,41	0
57	MG	2A	3815	1/1	0.92	0.16	52,52,52,52	0
57	MG	1A	4072	1/1	0.92	0.19	58,58,58,58	0
57	MG	1A	3324	1/1	0.92	0.19	57,57,57,57	0
57	MG	2a	1770	1/1	0.92	0.19	65,65,65,65	0
57	MG	2A	3820	1/1	0.92	0.15	60,60,60,60	0
57	MG	2A	3557	1/1	0.92	0.26	65,65,65,65	0
57	MG	2A	3111	1/1	0.92	0.18	42,42,42,42	0
57	MG	1a	1748	1/1	0.92	0.09	69,69,69,69	0
57	MG	1A	3756	1/1	0.92	0.08	42,42,42,42	0
57	MG	1A	3238	1/1	0.92	0.13	56,56,56,56	0
57	MG	1A	3330	1/1	0.92	0.18	43,43,43,43	0
57	MG	2A	3328	1/1	0.92	0.21	67,67,67,67	0
57	MG	2A	3831	1/1	0.92	0.12	53,53,53,53	0
57	MG	1A	3545	1/1	0.92	0.11	56,56,56,56	0
57	MG	1A	3331	1/1	0.92	0.21	59,59,59,59	0
57	MG	1A	4093	1/1	0.92	0.25	53,53,53,53	0
57	MG	1B	202	1/1	0.92	0.31	64,64,64,64	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	2A	3837	1/1	0.92	0.09	59,59,59,59	0
57	MG	1A	3884	1/1	0.92	0.12	60,60,60,60	0
57	MG	1A	3885	1/1	0.92	0.07	48,48,48,48	0
57	MG	1A	3656	1/1	0.92	0.17	57,57,57,57	0
57	MG	1B	210	1/1	0.92	0.15	60,60,60,60	0
57	MG	1a	1776	1/1	0.92	0.09	67,67,67,67	0
57	MG	1B	211	1/1	0.92	0.17	50,50,50,50	0
57	MG	1A	3385	1/1	0.92	0.14	57,57,57,57	0
57	MG	2a	1799	1/1	0.92	0.24	67,67,67,67	0
57	MG	2A	3342	1/1	0.92	0.10	70,70,70,70	0
57	MG	1A	3548	1/1	0.92	0.21	51,51,51,51	0
57	MG	2A	3592	1/1	0.92	0.17	41,41,41,41	0
57	MG	1a	1624	1/1	0.92	0.26	60,60,60,60	0
57	MG	2A	3604	1/1	0.92	0.13	61,61,61,61	0
57	MG	1a	1625	1/1	0.92	0.22	53,53,53,53	0
57	MG	1A	3776	1/1	0.92	0.15	60,60,60,60	0
57	MG	2A	3347	1/1	0.92	0.22	72,72,72,72	0
57	MG	1a	1632	1/1	0.92	0.25	67,67,67,67	0
57	MG	1a	1792	1/1	0.92	0.20	60,60,60,60	0
57	MG	1A	3264	1/1	0.92	0.15	58,58,58,58	0
57	MG	1a	1637	1/1	0.92	0.15	54,54,54,54	0
57	MG	1a	1638	1/1	0.92	0.23	58,58,58,58	0
57	MG	2A	3173	1/1	0.92	0.24	66,66,66,66	0
57	MG	2A	3356	1/1	0.92	0.15	65,65,65,65	0
57	MG	2A	3357	1/1	0.92	0.13	69,69,69,69	0
57	MG	2A	3619	1/1	0.92	0.14	52,52,52,52	0
57	MG	2r	101	1/1	0.92	0.14	72,72,72,72	0
57	MG	2t	201	1/1	0.92	0.15	57,57,57,57	0
57	MG	2A	3358	1/1	0.92	0.18	70,70,70,70	0
57	MG	2A	3176	1/1	0.92	0.12	43,43,43,43	0
57	MG	2D	308	1/1	0.92	0.07	27,27,27,27	0
57	MG	2w	101	1/1	0.92	0.29	67,67,67,67	0
57	MG	2E	302	1/1	0.92	0.20	60,60,60,60	0
57	MG	1A	3982	1/1	0.92	0.08	33,33,33,33	0
57	MG	2E	306	1/1	0.92	0.12	56,56,56,56	0
57	MG	1A	3439	1/1	0.92	0.13	58,58,58,58	0
57	MG	2A	3362	1/1	0.92	0.16	66,66,66,66	0
57	MG	1A	3665	1/1	0.92	0.20	50,50,50,50	0
57	MG	1B	223	1/1	0.92	0.15	64,64,64,64	0
57	MG	1A	3333	1/1	0.92	0.17	46,46,46,46	0
57	MG	1a	1806	1/1	0.92	0.14	54,54,54,54	0
57	MG	2P	201	1/1	0.92	0.11	54,54,54,54	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	2P	202	1/1	0.92	0.09	62,62,62,62	0
57	MG	2A	3370	1/1	0.92	0.13	68,68,68,68	0
57	MG	2A	3371	1/1	0.92	0.13	69,69,69,69	0
57	MG	1A	3336	1/1	0.92	0.20	45,45,45,45	0
59	A1AE1	1A	4094	76/76	0.92	0.12	29,49,58,64	0
57	MG	1A	3297	1/1	0.92	0.28	60,60,60,60	0
57	MG	1A	3796	1/1	0.93	0.09	20,20,20,20	0
57	MG	1a	1800	1/1	0.93	0.18	67,67,67,67	0
57	MG	20	101	1/1	0.93	0.11	58,58,58,58	0
57	MG	1A	3445	1/1	0.93	0.09	45,45,45,45	0
57	MG	1A	3798	1/1	0.93	0.12	65,65,65,65	0
57	MG	2A	3374	1/1	0.93	0.18	52,52,52,52	0
57	MG	1A	3337	1/1	0.93	0.17	59,59,59,59	0
57	MG	25	103	1/1	0.93	0.13	58,58,58,58	0
57	MG	1A	3800	1/1	0.93	0.10	20,20,20,20	0
57	MG	2A	3377	1/1	0.93	0.18	45,45,45,45	0
57	MG	1a	1626	1/1	0.93	0.15	52,52,52,52	0
57	MG	1a	1627	1/1	0.93	0.24	61,61,61,61	0
57	MG	2A	3191	1/1	0.93	0.15	59,59,59,59	0
57	MG	1a	1629	1/1	0.93	0.20	48,48,48,48	0
57	MG	1A	3801	1/1	0.93	0.09	25,25,25,25	0
57	MG	1A	3304	1/1	0.93	0.18	65,65,65,65	0
57	MG	2A	3197	1/1	0.93	0.08	47,47,47,47	0
57	MG	1A	3678	1/1	0.93	0.07	27,27,27,27	0
57	MG	1A	4092	1/1	0.93	0.26	61,61,61,61	0
57	MG	1A	3150	1/1	0.93	0.18	38,38,38,38	0
57	MG	1a	1639	1/1	0.93	0.14	61,61,61,61	0
57	MG	2A	3656	1/1	0.93	0.09	36,36,36,36	0
57	MG	2a	1612	1/1	0.93	0.20	63,63,63,63	0
57	MG	1A	3453	1/1	0.93	0.10	48,48,48,48	0
57	MG	1B	204	1/1	0.93	0.18	56,56,56,56	0
57	MG	2A	3393	1/1	0.93	0.26	64,64,64,64	0
57	MG	1A	3560	1/1	0.93	0.08	44,44,44,44	0
57	MG	2A	3662	1/1	0.93	0.12	60,60,60,60	0
57	MG	2A	3208	1/1	0.93	0.22	58,58,58,58	0
57	MG	1a	1646	1/1	0.93	0.18	49,49,49,49	0
57	MG	2A	3211	1/1	0.93	0.17	64,64,64,64	0
57	MG	1A	3566	1/1	0.93	0.09	53,53,53,53	0
57	MG	2A	3667	1/1	0.93	0.13	69,69,69,69	0
57	MG	1A	3275	1/1	0.93	0.14	59,59,59,59	0
57	MG	1a	1651	1/1	0.93	0.27	68,68,68,68	0
57	MG	1w	105	1/1	0.93	0.13	71,71,71,71	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	1A	3942	1/1	0.93	0.07	12,12,12,12	0
57	MG	2A	3675	1/1	0.93	0.14	38,38,38,38	0
57	MG	1A	3946	1/1	0.93	0.09	61,61,61,61	0
57	MG	1a	1655	1/1	0.93	0.22	64,64,64,64	0
57	MG	2a	1632	1/1	0.93	0.26	48,48,48,48	0
57	MG	1A	3394	1/1	0.93	0.10	58,58,58,58	0
57	MG	2A	3414	1/1	0.93	0.29	53,53,53,53	0
57	MG	2A	3230	1/1	0.93	0.12	51,51,51,51	0
57	MG	2A	3683	1/1	0.93	0.14	52,52,52,52	0
57	MG	1A	3818	1/1	0.93	0.17	38,38,38,38	0
57	MG	2A	3232	1/1	0.93	0.12	64,64,64,64	0
57	MG	2A	3686	1/1	0.93	0.12	44,44,44,44	0
57	MG	2A	3419	1/1	0.93	0.12	63,63,63,63	0
57	MG	2A	3233	1/1	0.93	0.15	59,59,59,59	0
57	MG	1A	3460	1/1	0.93	0.10	55,55,55,55	0
57	MG	1A	3575	1/1	0.93	0.10	44,44,44,44	0
57	MG	2A	3427	1/1	0.93	0.23	62,62,62,62	0
57	MG	1A	3826	1/1	0.93	0.07	34,34,34,34	0
57	MG	1A	3827	1/1	0.93	0.08	37,37,37,37	0
57	MG	2A	3239	1/1	0.93	0.19	61,61,61,61	0
57	MG	2a	1649	1/1	0.93	0.14	70,70,70,70	0
57	MG	2a	1650	1/1	0.93	0.08	60,60,60,60	0
57	MG	2A	3433	1/1	0.93	0.08	55,55,55,55	0
57	MG	1A	3307	1/1	0.93	0.17	44,44,44,44	0
57	MG	1A	3398	1/1	0.93	0.18	61,61,61,61	0
57	MG	1A	3830	1/1	0.93	0.06	28,28,28,28	0
57	MG	1A	3350	1/1	0.93	0.11	56,56,56,56	0
57	MG	1A	3472	1/1	0.93	0.21	56,56,56,56	0
57	MG	1A	3311	1/1	0.93	0.13	47,47,47,47	0
57	MG	2A	3443	1/1	0.93	0.09	35,35,35,35	0
57	MG	1A	3841	1/1	0.93	0.15	76,76,76,76	0
57	MG	1A	3083	1/1	0.93	0.20	42,42,42,42	0
57	MG	2A	3711	1/1	0.93	0.15	60,60,60,60	0
57	MG	2A	3447	1/1	0.93	0.13	59,59,59,59	0
57	MG	1A	3356	1/1	0.93	0.08	37,37,37,37	0
57	MG	2A	3715	1/1	0.93	0.09	47,47,47,47	0
57	MG	2a	1671	1/1	0.93	0.11	62,62,62,62	0
57	MG	2A	3449	1/1	0.93	0.31	68,68,68,68	0
57	MG	1A	3407	1/1	0.93	0.17	58,58,58,58	0
57	MG	1A	3168	1/1	0.93	0.09	46,46,46,46	0
57	MG	1A	3851	1/1	0.93	0.21	24,24,24,24	0
57	MG	2A	3010	1/1	0.93	0.21	52,52,52,52	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	2A	3722	1/1	0.93	0.09	56,56,56,56	0
57	MG	2A	3459	1/1	0.93	0.25	45,45,45,45	0
57	MG	2A	3015	1/1	0.93	0.15	67,67,67,67	0
57	MG	2A	3017	1/1	0.93	0.12	59,59,59,59	0
57	MG	2A	3728	1/1	0.93	0.15	42,42,42,42	0
57	MG	1A	3977	1/1	0.93	0.11	58,58,58,58	0
57	MG	1A	3597	1/1	0.93	0.09	34,34,34,34	0
57	MG	1A	3718	1/1	0.93	0.10	54,54,54,54	0
57	MG	1A	3719	1/1	0.93	0.09	21,21,21,21	0
57	MG	2A	3476	1/1	0.93	0.17	53,53,53,53	0
57	MG	2A	3477	1/1	0.93	0.19	69,69,69,69	0
57	MG	1A	3857	1/1	0.93	0.13	33,33,33,33	0
57	MG	1A	3361	1/1	0.93	0.12	56,56,56,56	0
57	MG	2A	3267	1/1	0.93	0.14	58,58,58,58	0
57	MG	2a	1697	1/1	0.93	0.10	63,63,63,63	0
57	MG	1A	3182	1/1	0.93	0.09	44,44,44,44	0
57	MG	2a	1699	1/1	0.93	0.20	62,62,62,62	0
57	MG	1A	3486	1/1	0.93	0.21	50,50,50,50	0
57	MG	1a	1689	1/1	0.93	0.14	64,64,64,64	0
57	MG	2A	3490	1/1	0.93	0.11	62,62,62,62	0
57	MG	1A	3864	1/1	0.93	0.07	32,32,32,32	0
57	MG	2A	3493	1/1	0.93	0.10	36,36,36,36	0
57	MG	2A	3756	1/1	0.93	0.13	40,40,40,40	0
57	MG	2A	3495	1/1	0.93	0.08	35,35,35,35	0
57	MG	1A	3735	1/1	0.93	0.09	26,26,26,26	0
57	MG	2a	1709	1/1	0.93	0.16	48,48,48,48	0
57	MG	2A	3051	1/1	0.93	0.09	48,48,48,48	0
57	MG	1A	3867	1/1	0.93	0.10	48,48,48,48	0
57	MG	1G	204	1/1	0.93	0.19	60,60,60,60	0
57	MG	2a	1715	1/1	0.93	0.19	61,61,61,61	0
57	MG	1A	3281	1/1	0.93	0.17	53,53,53,53	0
57	MG	1A	3491	1/1	0.93	0.07	47,47,47,47	0
57	MG	2A	3060	1/1	0.93	0.16	55,55,55,55	0
57	MG	1A	3609	1/1	0.93	0.09	55,55,55,55	0
57	MG	1A	3247	1/1	0.93	0.13	47,47,47,47	0
57	MG	2A	3508	1/1	0.93	0.08	48,48,48,48	0
57	MG	1A	3286	1/1	0.93	0.15	35,35,35,35	0
57	MG	2A	3285	1/1	0.93	0.13	56,56,56,56	0
57	MG	1A	3877	1/1	0.93	0.10	72,72,72,72	0
57	MG	2A	3779	1/1	0.93	0.09	41,41,41,41	0
57	MG	2a	1729	1/1	0.93	0.09	60,60,60,60	0
57	MG	2A	3780	1/1	0.93	0.25	60,60,60,60	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	1a	1714	1/1	0.93	0.13	68,68,68,68	0
57	MG	1A	3495	1/1	0.93	0.09	61,61,61,61	0
57	MG	1A	3881	1/1	0.93	0.11	58,58,58,58	0
57	MG	1A	4013	1/1	0.93	0.09	56,56,56,56	0
57	MG	1A	3070	1/1	0.93	0.16	40,40,40,40	0
57	MG	2A	3292	1/1	0.93	0.19	67,67,67,67	0
57	MG	2a	1744	1/1	0.93	0.14	68,68,68,68	0
57	MG	2a	1745	1/1	0.93	0.12	61,61,61,61	0
57	MG	2a	1746	1/1	0.93	0.13	76,76,76,76	0
57	MG	1A	3753	1/1	0.93	0.27	29,29,29,29	0
57	MG	2A	3295	1/1	0.93	0.15	65,65,65,65	0
57	MG	1A	3262	1/1	0.93	0.09	58,58,58,58	0
57	MG	1A	3187	1/1	0.93	0.14	60,60,60,60	0
57	MG	1V	203	1/1	0.93	0.35	45,45,45,45	0
57	MG	2A	3302	1/1	0.93	0.09	38,38,38,38	0
57	MG	2a	1758	1/1	0.93	0.19	50,50,50,50	0
57	MG	2A	3803	1/1	0.93	0.08	57,57,57,57	0
57	MG	1a	1726	1/1	0.93	0.12	54,54,54,54	0
57	MG	1A	3422	1/1	0.93	0.10	54,54,54,54	0
57	MG	2A	3306	1/1	0.93	0.17	53,53,53,53	0
57	MG	1W	201	1/1	0.93	0.11	57,57,57,57	0
57	MG	1A	3325	1/1	0.93	0.11	56,56,56,56	0
57	MG	2A	3309	1/1	0.93	0.09	49,49,49,49	0
57	MG	2A	3812	1/1	0.93	0.11	54,54,54,54	0
57	MG	1A	4025	1/1	0.93	0.25	56,56,56,56	0
57	MG	2a	1768	1/1	0.93	0.18	70,70,70,70	0
57	MG	1A	3635	1/1	0.93	0.12	34,34,34,34	0
57	MG	2A	3098	1/1	0.93	0.16	48,48,48,48	0
57	MG	1Z	301	1/1	0.93	0.14	63,63,63,63	0
57	MG	2A	3554	1/1	0.93	0.14	65,65,65,65	0
57	MG	2A	3315	1/1	0.93	0.14	69,69,69,69	0
57	MG	2a	1775	1/1	0.93	0.19	64,64,64,64	0
57	MG	1A	3295	1/1	0.93	0.17	53,53,53,53	0
57	MG	2A	3102	1/1	0.93	0.17	55,55,55,55	0
57	MG	2a	1778	1/1	0.93	0.13	55,55,55,55	0
57	MG	1a	1740	1/1	0.93	0.09	57,57,57,57	0
57	MG	1A	3519	1/1	0.93	0.11	39,39,39,39	0
57	MG	2A	3322	1/1	0.93	0.11	55,55,55,55	0
57	MG	1A	3638	1/1	0.93	0.07	30,30,30,30	0
57	MG	2A	3324	1/1	0.93	0.31	51,51,51,51	0
57	MG	2A	3110	1/1	0.93	0.10	73,73,73,73	0
57	MG	2a	1785	1/1	0.93	0.27	64,64,64,64	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	1A	3046	1/1	0.93	0.09	24,24,24,24	0
57	MG	1a	1746	1/1	0.93	0.14	57,57,57,57	0
57	MG	1A	3426	1/1	0.93	0.13	67,67,67,67	0
57	MG	1A	3901	1/1	0.93	0.07	42,42,42,42	0
57	MG	1A	3233	1/1	0.93	0.14	72,72,72,72	0
57	MG	1A	3644	1/1	0.93	0.10	34,34,34,34	0
57	MG	2A	3120	1/1	0.93	0.19	71,71,71,71	0
57	MG	1A	3779	1/1	0.93	0.09	55,55,55,55	0
57	MG	2A	3580	1/1	0.93	0.10	49,49,49,49	0
57	MG	1A	3376	1/1	0.93	0.16	53,53,53,53	0
57	MG	1A	3146	1/1	0.93	0.14	57,57,57,57	0
57	MG	2a	1800	1/1	0.93	0.19	55,55,55,55	0
57	MG	2A	3852	1/1	0.93	0.13	69,69,69,69	0
57	MG	2A	3126	1/1	0.93	0.12	59,59,59,59	0
57	MG	2a	1803	1/1	0.93	0.20	56,56,56,56	0
57	MG	2A	3854	1/1	0.93	0.11	68,68,68,68	0
57	MG	2A	3586	1/1	0.93	0.09	41,41,41,41	0
57	MG	2A	3127	1/1	0.93	0.13	49,49,49,49	0
57	MG	2A	3128	1/1	0.93	0.14	51,51,51,51	0
57	MG	2B	203	1/1	0.93	0.23	68,68,68,68	0
57	MG	2B	204	1/1	0.93	0.15	73,73,73,73	0
57	MG	2d	302	1/1	0.93	0.11	62,62,62,62	0
57	MG	1A	3382	1/1	0.93	0.13	57,57,57,57	0
57	MG	2A	3593	1/1	0.93	0.17	71,71,71,71	0
57	MG	1A	3302	1/1	0.93	0.10	52,52,52,52	0
57	MG	1A	4048	1/1	0.93	0.15	32,32,32,32	0
57	MG	1A	3911	1/1	0.93	0.17	48,48,48,48	0
57	MG	1A	3544	1/1	0.93	0.20	56,56,56,56	0
57	MG	2A	3144	1/1	0.93	0.15	51,51,51,51	0
57	MG	1A	3659	1/1	0.93	0.08	63,63,63,63	0
57	MG	1A	3437	1/1	0.93	0.16	39,39,39,39	0
57	MG	2A	3349	1/1	0.93	0.22	57,57,57,57	0
57	MG	1a	1601	1/1	0.93	0.17	59,59,59,59	0
57	MG	1a	1778	1/1	0.93	0.10	63,63,63,63	0
57	MG	2A	3156	1/1	0.93	0.21	58,58,58,58	0
57	MG	2D	306	1/1	0.93	0.17	62,62,62,62	0
57	MG	1a	1779	1/1	0.93	0.07	67,67,67,67	0
57	MG	1A	3334	1/1	0.93	0.28	47,47,47,47	0
57	MG	1A	4059	1/1	0.93	0.20	34,34,34,34	0
57	MG	1A	3204	1/1	0.93	0.14	50,50,50,50	0
57	MG	2E	304	1/1	0.93	0.15	63,63,63,63	0
57	MG	2w	106	1/1	0.93	0.17	64,64,64,64	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	2A	3167	1/1	0.93	0.13	49,49,49,49	0
57	MG	2A	3622	1/1	0.93	0.09	56,56,56,56	0
57	MG	1A	3919	1/1	0.93	0.11	49,49,49,49	0
57	MG	2E	310	1/1	0.93	0.14	45,45,45,45	0
57	MG	1a	1606	1/1	0.93	0.16	58,58,58,58	0
57	MG	1A	3443	1/1	0.93	0.18	52,52,52,52	0
57	MG	2F	3303	1/1	0.93	0.09	44,44,44,44	0
57	MG	2A	3172	1/1	0.93	0.25	69,69,69,69	0
57	MG	1a	1611	1/1	0.93	0.12	64,64,64,64	0
57	MG	1A	4063	1/1	0.93	0.20	60,60,60,60	0
57	MG	2A	3177	1/1	0.93	0.17	45,45,45,45	0
57	MG	1A	3793	1/1	0.93	0.14	50,50,50,50	0
57	MG	1O	203	1/1	0.94	0.18	59,59,59,59	0
57	MG	2A	3248	1/1	0.94	0.21	68,68,68,68	0
57	MG	2A	3024	1/1	0.94	0.13	54,54,54,54	0
57	MG	2A	3668	1/1	0.94	0.07	32,32,32,32	0
57	MG	2A	3027	1/1	0.94	0.16	55,55,55,55	0
57	MG	1a	1687	1/1	0.94	0.17	53,53,53,53	0
57	MG	2A	3253	1/1	0.94	0.11	62,62,62,62	0
57	MG	1A	3692	1/1	0.94	0.22	58,58,58,58	0
57	MG	1A	3177	1/1	0.94	0.15	33,33,33,33	0
57	MG	1A	3695	1/1	0.94	0.14	41,41,41,41	0
57	MG	1a	1691	1/1	0.94	0.14	55,55,55,55	0
57	MG	2A	3440	1/1	0.94	0.09	46,46,46,46	0
57	MG	2A	3042	1/1	0.94	0.15	65,65,65,65	0
57	MG	1A	3475	1/1	0.94	0.10	69,69,69,69	0
57	MG	2A	3044	1/1	0.94	0.14	67,67,67,67	0
57	MG	1A	3697	1/1	0.94	0.09	62,62,62,62	0
57	MG	1S	3601	1/1	0.94	0.20	46,46,46,46	0
57	MG	1A	3178	1/1	0.94	0.11	41,41,41,41	0
57	MG	1A	3701	1/1	0.94	0.08	29,29,29,29	0
57	MG	2A	3052	1/1	0.94	0.21	69,69,69,69	0
57	MG	1A	3615	1/1	0.94	0.09	31,31,31,31	0
57	MG	1a	1705	1/1	0.94	0.19	66,66,66,66	0
57	MG	2A	3452	1/1	0.94	0.11	45,45,45,45	0
57	MG	2A	3694	1/1	0.94	0.09	51,51,51,51	0
57	MG	2A	3271	1/1	0.94	0.10	70,70,70,70	0
57	MG	1T	204	1/1	0.94	0.14	55,55,55,55	0
57	MG	1U	204	1/1	0.94	0.16	37,37,37,37	0
57	MG	1A	4032	1/1	0.94	0.12	55,55,55,55	0
57	MG	2A	3463	1/1	0.94	0.11	49,49,49,49	0
57	MG	2A	3465	1/1	0.94	0.13	48,48,48,48	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	1A	3054	1/1	0.94	0.11	44,44,44,44	0
57	MG	1A	3428	1/1	0.94	0.14	66,66,66,66	0
57	MG	1A	4035	1/1	0.94	0.10	51,51,51,51	0
57	MG	1A	3549	1/1	0.94	0.07	23,23,23,23	0
57	MG	1X	105	1/1	0.94	0.11	51,51,51,51	0
57	MG	1a	1720	1/1	0.94	0.11	44,44,44,44	0
57	MG	1A	3708	1/1	0.94	0.09	25,25,25,25	0
57	MG	1A	3811	1/1	0.94	0.07	25,25,25,25	0
57	MG	1A	3086	1/1	0.94	0.11	42,42,42,42	0
57	MG	2A	3480	1/1	0.94	0.09	22,22,22,22	0
57	MG	2A	3714	1/1	0.94	0.08	52,52,52,52	0
57	MG	1A	3554	1/1	0.94	0.10	30,30,30,30	0
57	MG	2A	3081	1/1	0.94	0.23	53,53,53,53	0
57	MG	1A	4043	1/1	0.94	0.09	41,41,41,41	0
57	MG	2A	3488	1/1	0.94	0.08	55,55,55,55	0
57	MG	10	103	1/1	0.94	0.10	45,45,45,45	0
57	MG	1A	3042	1/1	0.94	0.07	29,29,29,29	0
57	MG	1A	3815	1/1	0.94	0.12	34,34,34,34	0
57	MG	1a	1732	1/1	0.94	0.20	72,72,72,72	0
57	MG	2a	1656	1/1	0.94	0.08	56,56,56,56	0
57	MG	1A	3816	1/1	0.94	0.13	36,36,36,36	0
57	MG	1A	3817	1/1	0.94	0.07	39,39,39,39	0
57	MG	2A	3727	1/1	0.94	0.10	39,39,39,39	0
57	MG	2A	3294	1/1	0.94	0.10	59,59,59,59	0
57	MG	2A	3498	1/1	0.94	0.07	29,29,29,29	0
57	MG	1A	4052	1/1	0.94	0.09	55,55,55,55	0
57	MG	2A	3296	1/1	0.94	0.15	69,69,69,69	0
57	MG	2A	3733	1/1	0.94	0.12	71,71,71,71	0
57	MG	2A	3735	1/1	0.94	0.12	52,52,52,52	0
57	MG	2A	3736	1/1	0.94	0.12	67,67,67,67	0
57	MG	1A	3716	1/1	0.94	0.08	34,34,34,34	0
57	MG	1A	3005	1/1	0.94	0.16	64,64,64,64	0
57	MG	2A	3300	1/1	0.94	0.14	62,62,62,62	0
57	MG	1A	3277	1/1	0.94	0.13	59,59,59,59	0
57	MG	1A	3403	1/1	0.94	0.14	36,36,36,36	0
57	MG	2a	1678	1/1	0.94	0.18	53,53,53,53	0
57	MG	2A	3746	1/1	0.94	0.15	66,66,66,66	0
57	MG	1A	3639	1/1	0.94	0.09	52,52,52,52	0
57	MG	2a	1681	1/1	0.94	0.16	53,53,53,53	0
57	MG	1a	1745	1/1	0.94	0.10	56,56,56,56	0
57	MG	2A	3510	1/1	0.94	0.10	48,48,48,48	0
57	MG	1A	3729	1/1	0.94	0.10	30,30,30,30	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	2a	1685	1/1	0.94	0.33	57,57,57,57	0
57	MG	2a	1686	1/1	0.94	0.22	63,63,63,63	0
57	MG	1A	3488	1/1	0.94	0.25	56,56,56,56	0
57	MG	2A	3515	1/1	0.94	0.13	46,46,46,46	0
57	MG	1A	3732	1/1	0.94	0.07	37,37,37,37	0
57	MG	2A	3520	1/1	0.94	0.11	41,41,41,41	0
57	MG	2A	3521	1/1	0.94	0.11	40,40,40,40	0
57	MG	1A	3190	1/1	0.94	0.12	44,44,44,44	0
57	MG	1A	3940	1/1	0.94	0.11	49,49,49,49	0
57	MG	17	103	1/1	0.94	0.24	52,52,52,52	0
57	MG	17	106	1/1	0.94	0.09	59,59,59,59	0
57	MG	2A	3528	1/1	0.94	0.06	36,36,36,36	0
57	MG	1a	1756	1/1	0.94	0.09	61,61,61,61	0
57	MG	18	101	1/1	0.94	0.18	52,52,52,52	0
57	MG	2A	3766	1/1	0.94	0.08	54,54,54,54	0
57	MG	1A	3192	1/1	0.94	0.08	48,48,48,48	0
57	MG	18	106	1/1	0.94	0.16	62,62,62,62	0
57	MG	2A	3772	1/1	0.94	0.13	38,38,38,38	0
57	MG	2A	3536	1/1	0.94	0.11	68,68,68,68	0
57	MG	19	101	1/1	0.94	0.24	54,54,54,54	0
57	MG	2A	3123	1/1	0.94	0.11	54,54,54,54	0
57	MG	1A	4069	1/1	0.94	0.07	55,55,55,55	0
57	MG	1A	3836	1/1	0.94	0.11	29,29,29,29	0
57	MG	1a	1768	1/1	0.94	0.21	60,60,60,60	0
57	MG	1A	3944	1/1	0.94	0.06	27,27,27,27	0
57	MG	1a	1771	1/1	0.94	0.09	68,68,68,68	0
57	MG	1A	3197	1/1	0.94	0.09	49,49,49,49	0
57	MG	1A	3738	1/1	0.94	0.13	51,51,51,51	0
57	MG	1A	4082	1/1	0.94	0.20	38,38,38,38	0
57	MG	1A	4083	1/1	0.94	0.20	42,42,42,42	0
57	MG	1a	1783	1/1	0.94	0.11	56,56,56,56	0
57	MG	1A	4087	1/1	0.94	0.12	51,51,51,51	0
57	MG	1A	3645	1/1	0.94	0.06	21,21,21,21	0
57	MG	1A	3844	1/1	0.94	0.13	55,55,55,55	0
57	MG	1a	1619	1/1	0.94	0.08	50,50,50,50	0
57	MG	1a	1620	1/1	0.94	0.24	64,64,64,64	0
57	MG	1A	3845	1/1	0.94	0.08	31,31,31,31	0
57	MG	2A	3562	1/1	0.94	0.16	62,62,62,62	0
57	MG	1A	3846	1/1	0.94	0.08	49,49,49,49	0
57	MG	2A	3564	1/1	0.94	0.19	65,65,65,65	0
57	MG	1A	3957	1/1	0.94	0.08	47,47,47,47	0
57	MG	2A	3165	1/1	0.94	0.10	62,62,62,62	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	2A	3567	1/1	0.94	0.17	61,61,61,61	0
57	MG	2a	1736	1/1	0.94	0.11	60,60,60,60	0
57	MG	1a	1796	1/1	0.94	0.10	48,48,48,48	0
57	MG	1A	3959	1/1	0.94	0.11	49,49,49,49	0
57	MG	2a	1739	1/1	0.94	0.14	60,60,60,60	0
57	MG	2a	1740	1/1	0.94	0.09	50,50,50,50	0
57	MG	1A	3161	1/1	0.94	0.12	45,45,45,45	0
57	MG	1A	3648	1/1	0.94	0.08	33,33,33,33	0
57	MG	1A	3650	1/1	0.94	0.13	46,46,46,46	0
57	MG	1A	3048	1/1	0.94	0.12	49,49,49,49	0
57	MG	1A	3747	1/1	0.94	0.08	45,45,45,45	0
57	MG	2A	3175	1/1	0.94	0.11	59,59,59,59	0
57	MG	1A	3126	1/1	0.94	0.09	42,42,42,42	0
57	MG	2A	3827	1/1	0.94	0.19	57,57,57,57	0
57	MG	2a	1755	1/1	0.94	0.22	59,59,59,59	0
57	MG	1A	3377	1/1	0.94	0.08	49,49,49,49	0
57	MG	1A	3583	1/1	0.94	0.16	54,54,54,54	0
57	MG	1A	3658	1/1	0.94	0.09	41,41,41,41	0
57	MG	1a	1808	1/1	0.94	0.14	59,59,59,59	0
57	MG	1A	3081	1/1	0.94	0.09	61,61,61,61	0
57	MG	1B	217	1/1	0.94	0.10	45,45,45,45	0
57	MG	2A	3587	1/1	0.94	0.07	36,36,36,36	0
57	MG	1A	3862	1/1	0.94	0.15	37,37,37,37	0
57	MG	1A	3513	1/1	0.94	0.24	53,53,53,53	0
57	MG	1A	3586	1/1	0.94	0.08	26,26,26,26	0
57	MG	1a	1647	1/1	0.94	0.09	54,54,54,54	0
57	MG	2A	3190	1/1	0.94	0.10	54,54,54,54	0
57	MG	2A	3601	1/1	0.94	0.08	43,43,43,43	0
57	MG	2A	3846	1/1	0.94	0.08	69,69,69,69	0
57	MG	2A	3847	1/1	0.94	0.12	66,66,66,66	0
57	MG	2A	3602	1/1	0.94	0.10	47,47,47,47	0
57	MG	2A	3603	1/1	0.94	0.10	56,56,56,56	0
57	MG	2A	3365	1/1	0.94	0.15	75,75,75,75	0
57	MG	1A	3455	1/1	0.94	0.08	55,55,55,55	0
57	MG	2A	3606	1/1	0.94	0.10	48,48,48,48	0
57	MG	2A	3367	1/1	0.94	0.24	71,71,71,71	0
57	MG	1A	3761	1/1	0.94	0.11	31,31,31,31	0
57	MG	1A	3318	1/1	0.94	0.25	50,50,50,50	0
57	MG	1a	1652	1/1	0.94	0.13	56,56,56,56	0
57	MG	2A	3196	1/1	0.94	0.20	63,63,63,63	0
57	MG	2A	3612	1/1	0.94	0.15	60,60,60,60	0
57	MG	1k	201	1/1	0.94	0.14	45,45,45,45	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	2A	3198	1/1	0.94	0.16	70,70,70,70	0
57	MG	1l	3200	1/1	0.94	0.06	73,73,73,73	0
57	MG	1A	3138	1/1	0.94	0.07	36,36,36,36	0
57	MG	1A	3765	1/1	0.94	0.09	39,39,39,39	0
57	MG	1w	101	1/1	0.94	0.14	51,51,51,51	0
57	MG	1w	103	1/1	0.94	0.23	63,63,63,63	0
57	MG	1A	3766	1/1	0.94	0.06	26,26,26,26	0
57	MG	1A	3768	1/1	0.94	0.07	29,29,29,29	0
57	MG	2a	1794	1/1	0.94	0.14	59,59,59,59	0
57	MG	1A	3770	1/1	0.94	0.08	38,38,38,38	0
57	MG	2A	3209	1/1	0.94	0.23	61,61,61,61	0
57	MG	1A	3667	1/1	0.94	0.12	41,41,41,41	0
57	MG	1A	3458	1/1	0.94	0.18	44,44,44,44	0
57	MG	1A	3671	1/1	0.94	0.10	54,54,54,54	0
57	MG	1A	3672	1/1	0.94	0.13	67,67,67,67	0
57	MG	2A	3630	1/1	0.94	0.15	58,58,58,58	0
57	MG	1E	301	1/1	0.94	0.11	40,40,40,40	0
57	MG	1A	3082	1/1	0.94	0.08	67,67,67,67	0
57	MG	2A	3221	1/1	0.94	0.28	51,51,51,51	0
57	MG	2A	3391	1/1	0.94	0.37	67,67,67,67	0
57	MG	1A	3998	1/1	0.94	0.13	52,52,52,52	0
57	MG	2a	1808	1/1	0.94	0.21	54,54,54,54	0
57	MG	1a	1667	1/1	0.94	0.14	68,68,68,68	0
57	MG	1A	3386	1/1	0.94	0.13	62,62,62,62	0
57	MG	2d	301	1/1	0.94	0.32	57,57,57,57	0
57	MG	2A	3395	1/1	0.94	0.31	62,62,62,62	0
57	MG	2A	3227	1/1	0.94	0.25	52,52,52,52	0
57	MG	1A	4001	1/1	0.94	0.09	37,37,37,37	0
57	MG	1A	3321	1/1	0.94	0.12	57,57,57,57	0
57	MG	1A	3889	1/1	0.94	0.11	62,62,62,62	0
57	MG	1A	3467	1/1	0.94	0.24	34,34,34,34	0
57	MG	1F	310	1/1	0.94	0.12	54,54,54,54	0
57	MG	1A	4007	1/1	0.94	0.09	41,41,41,41	0
57	MG	1A	3681	1/1	0.94	0.14	52,52,52,52	0
57	MG	2q	201	1/1	0.94	0.09	65,65,65,65	0
57	MG	2R	201	1/1	0.94	0.14	61,61,61,61	0
57	MG	2T	201	1/1	0.94	0.09	61,61,61,61	0
57	MG	2T	202	1/1	0.94	0.10	65,65,65,65	0
57	MG	2A	3408	1/1	0.94	0.17	42,42,42,42	0
57	MG	1A	3358	1/1	0.94	0.11	46,46,46,46	0
57	MG	2W	201	1/1	0.94	0.10	46,46,46,46	0
57	MG	1A	3537	1/1	0.94	0.10	36,36,36,36	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	2A	3653	1/1	0.94	0.10	45,45,45,45	0
57	MG	2A	3412	1/1	0.94	0.15	50,50,50,50	0
57	MG	1I	201	1/1	0.94	0.07	52,52,52,52	0
57	MG	2I	101	1/1	0.94	0.19	47,47,47,47	0
57	MG	1A	3265	1/1	0.94	0.09	58,58,58,58	0
57	MG	25	102	1/1	0.94	0.20	48,48,48,48	0
57	MG	1A	3608	1/1	0.94	0.06	23,23,23,23	0
57	MG	25	104	1/1	0.94	0.07	50,50,50,50	0
57	MG	1a	1683	1/1	0.94	0.24	55,55,55,55	0
57	MG	2A	3016	1/1	0.94	0.14	49,49,49,49	0
57	MG	2x	107	1/1	0.94	0.17	53,53,53,53	0
57	MG	27	102	1/1	0.94	0.10	51,51,51,51	0
57	MG	2A	3244	1/1	0.94	0.13	58,58,58,58	0
57	MG	1A	3539	1/1	0.94	0.25	41,41,41,41	0
57	MG	28	103	1/1	0.94	0.29	59,59,59,59	0
57	MG	29	101	1/1	0.94	0.21	65,65,65,65	0
58	K	2A	3423	1/1	0.94	0.07	52,52,52,52	0
57	MG	2A	3422	1/1	0.94	0.27	60,60,60,60	0
57	MG	1A	3690	1/1	0.94	0.09	27,27,27,27	0
60	ZN	24	501	1/1	0.94	0.13	118,118,118,118	0
57	MG	1l	3201	1/1	0.95	0.14	54,54,54,54	0
57	MG	1m	3001	1/1	0.95	0.13	56,56,56,56	0
57	MG	2A	3213	1/1	0.95	0.31	61,61,61,61	0
57	MG	2a	1601	1/1	0.95	0.08	55,55,55,55	0
57	MG	1a	1635	1/1	0.95	0.28	62,62,62,62	0
57	MG	1n	102	1/1	0.95	0.08	45,45,45,45	0
57	MG	1r	101	1/1	0.95	0.21	58,58,58,58	0
57	MG	2A	3219	1/1	0.95	0.21	57,57,57,57	0
57	MG	2A	3220	1/1	0.95	0.25	43,43,43,43	0
57	MG	1A	3839	1/1	0.95	0.07	31,31,31,31	0
57	MG	1A	3620	1/1	0.95	0.06	20,20,20,20	0
57	MG	1w	102	1/1	0.95	0.10	50,50,50,50	0
57	MG	1A	3963	1/1	0.95	0.07	53,53,53,53	0
57	MG	1A	3621	1/1	0.95	0.07	19,19,19,19	0
57	MG	2A	3677	1/1	0.95	0.09	47,47,47,47	0
57	MG	1B	216	1/1	0.95	0.10	50,50,50,50	0
57	MG	2A	3431	1/1	0.95	0.09	47,47,47,47	0
57	MG	1a	1642	1/1	0.95	0.10	50,50,50,50	0
57	MG	1A	3842	1/1	0.95	0.07	41,41,41,41	0
57	MG	1A	3360	1/1	0.95	0.09	47,47,47,47	0
57	MG	1A	3235	1/1	0.95	0.06	37,37,37,37	0
57	MG	1a	1648	1/1	0.95	0.10	51,51,51,51	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	1x	103	1/1	0.95	0.14	44,44,44,44	0
57	MG	1A	3122	1/1	0.95	0.09	41,41,41,41	0
57	MG	2A	3237	1/1	0.95	0.26	65,65,65,65	0
57	MG	1A	3301	1/1	0.95	0.07	55,55,55,55	0
57	MG	1A	3737	1/1	0.95	0.14	58,58,58,58	0
57	MG	1A	3050	1/1	0.95	0.10	47,47,47,47	0
57	MG	1A	3740	1/1	0.95	0.04	23,23,23,23	0
57	MG	1A	3077	1/1	0.95	0.15	38,38,38,38	0
57	MG	1A	3027	1/1	0.95	0.20	34,34,34,34	0
57	MG	1A	3136	1/1	0.95	0.12	41,41,41,41	0
57	MG	2a	1631	1/1	0.95	0.21	43,43,43,43	0
57	MG	2A	3698	1/1	0.95	0.20	61,61,61,61	0
57	MG	1B	232	1/1	0.95	0.06	44,44,44,44	0
57	MG	2A	3700	1/1	0.95	0.06	38,38,38,38	0
57	MG	1A	3979	1/1	0.95	0.09	59,59,59,59	0
57	MG	1x	114	1/1	0.95	0.07	62,62,62,62	0
57	MG	2A	3455	1/1	0.95	0.28	57,57,57,57	0
57	MG	1A	3530	1/1	0.95	0.06	40,40,40,40	0
57	MG	2A	3002	1/1	0.95	0.21	49,49,49,49	0
57	MG	2A	3458	1/1	0.95	0.21	54,54,54,54	0
57	MG	1A	3057	1/1	0.95	0.05	45,45,45,45	0
57	MG	2A	3460	1/1	0.95	0.07	45,45,45,45	0
57	MG	1A	3641	1/1	0.95	0.14	45,45,45,45	0
57	MG	2A	3252	1/1	0.95	0.08	52,52,52,52	0
57	MG	2A	3464	1/1	0.95	0.42	72,72,72,72	0
57	MG	2a	1646	1/1	0.95	0.12	58,58,58,58	0
57	MG	1A	3186	1/1	0.95	0.11	35,35,35,35	0
57	MG	2A	3006	1/1	0.95	0.12	45,45,45,45	0
57	MG	1D	312	1/1	0.95	0.09	50,50,50,50	0
57	MG	1A	3433	1/1	0.95	0.11	51,51,51,51	0
57	MG	2A	3471	1/1	0.95	0.10	45,45,45,45	0
57	MG	1A	3040	1/1	0.95	0.11	40,40,40,40	0
57	MG	2A	3474	1/1	0.95	0.08	46,46,46,46	0
57	MG	1A	3249	1/1	0.95	0.07	47,47,47,47	0
57	MG	2A	3721	1/1	0.95	0.12	62,62,62,62	0
57	MG	1A	3865	1/1	0.95	0.07	69,69,69,69	0
57	MG	1A	3992	1/1	0.95	0.10	53,53,53,53	0
57	MG	2a	1659	1/1	0.95	0.48	68,68,68,68	0
57	MG	1A	3541	1/1	0.95	0.20	44,44,44,44	0
57	MG	2A	3262	1/1	0.95	0.16	50,50,50,50	0
57	MG	1E	316	1/1	0.95	0.05	37,37,37,37	0
57	MG	2a	1664	1/1	0.95	0.28	65,65,65,65	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	1A	3995	1/1	0.95	0.08	53,53,53,53	0
57	MG	2A	3484	1/1	0.95	0.10	62,62,62,62	0
57	MG	2A	3265	1/1	0.95	0.14	56,56,56,56	0
57	MG	1A	3757	1/1	0.95	0.08	42,42,42,42	0
57	MG	2A	3732	1/1	0.95	0.08	57,57,57,57	0
57	MG	1A	3260	1/1	0.95	0.11	50,50,50,50	0
57	MG	2a	1672	1/1	0.95	0.10	53,53,53,53	0
57	MG	1a	1677	1/1	0.95	0.24	59,59,59,59	0
57	MG	1F	312	1/1	0.95	0.12	30,30,30,30	0
57	MG	1A	3440	1/1	0.95	0.17	46,46,46,46	0
57	MG	2A	3036	1/1	0.95	0.12	43,43,43,43	0
57	MG	1F	314	1/1	0.95	0.16	42,42,42,42	0
57	MG	2A	3039	1/1	0.95	0.07	51,51,51,51	0
57	MG	2A	3744	1/1	0.95	0.07	40,40,40,40	0
57	MG	2A	3041	1/1	0.95	0.19	54,54,54,54	0
57	MG	1A	3651	1/1	0.95	0.06	28,28,28,28	0
57	MG	2A	3499	1/1	0.95	0.10	64,64,64,64	0
57	MG	1A	3442	1/1	0.95	0.14	55,55,55,55	0
57	MG	1A	3654	1/1	0.95	0.15	40,40,40,40	0
57	MG	1H	201	1/1	0.95	0.24	48,48,48,48	0
57	MG	1A	3144	1/1	0.95	0.34	34,34,34,34	0
57	MG	2A	3281	1/1	0.95	0.23	62,62,62,62	0
57	MG	2A	3754	1/1	0.95	0.16	59,59,59,59	0
57	MG	1A	3021	1/1	0.95	0.14	51,51,51,51	0
57	MG	1N	202	1/1	0.95	0.08	47,47,47,47	0
57	MG	1A	3378	1/1	0.95	0.10	49,49,49,49	0
57	MG	2a	1692	1/1	0.95	0.09	56,56,56,56	0
57	MG	1N	206	1/1	0.95	0.10	46,46,46,46	0
57	MG	2A	3055	1/1	0.95	0.12	51,51,51,51	0
57	MG	2A	3056	1/1	0.95	0.15	64,64,64,64	0
57	MG	1A	3148	1/1	0.95	0.14	38,38,38,38	0
57	MG	1A	3552	1/1	0.95	0.07	24,24,24,24	0
57	MG	2A	3518	1/1	0.95	0.14	50,50,50,50	0
57	MG	2A	3764	1/1	0.95	0.06	63,63,63,63	0
57	MG	1O	202	1/1	0.95	0.20	54,54,54,54	0
57	MG	1A	3771	1/1	0.95	0.07	33,33,33,33	0
57	MG	2A	3768	1/1	0.95	0.07	49,49,49,49	0
57	MG	1A	3381	1/1	0.95	0.15	39,39,39,39	0
57	MG	1A	4016	1/1	0.95	0.10	55,55,55,55	0
57	MG	1A	4018	1/1	0.95	0.09	48,48,48,48	0
57	MG	1a	1701	1/1	0.95	0.19	56,56,56,56	0
57	MG	1A	3450	1/1	0.95	0.30	56,56,56,56	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	1a	1703	1/1	0.95	0.15	59,59,59,59	0
57	MG	1A	3775	1/1	0.95	0.20	47,47,47,47	0
57	MG	1Q	208	1/1	0.95	0.08	37,37,37,37	0
57	MG	1A	3193	1/1	0.95	0.25	56,56,56,56	0
57	MG	2A	3534	1/1	0.95	0.06	41,41,41,41	0
57	MG	1A	3149	1/1	0.95	0.06	34,34,34,34	0
57	MG	2A	3080	1/1	0.95	0.08	44,44,44,44	0
57	MG	1A	3778	1/1	0.95	0.10	53,53,53,53	0
57	MG	1A	3199	1/1	0.95	0.13	47,47,47,47	0
57	MG	1A	3559	1/1	0.95	0.14	50,50,50,50	0
57	MG	1U	203	1/1	0.95	0.09	36,36,36,36	0
57	MG	1A	3200	1/1	0.95	0.08	47,47,47,47	0
57	MG	1U	205	1/1	0.95	0.10	30,30,30,30	0
57	MG	1U	207	1/1	0.95	0.19	46,46,46,46	0
57	MG	2a	1725	1/1	0.95	0.12	61,61,61,61	0
57	MG	2a	1727	1/1	0.95	0.08	60,60,60,60	0
57	MG	1A	3010	1/1	0.95	0.14	52,52,52,52	0
57	MG	2A	3801	1/1	0.95	0.07	23,23,23,23	0
57	MG	1A	3323	1/1	0.95	0.25	36,36,36,36	0
57	MG	1V	206	1/1	0.95	0.13	57,57,57,57	0
57	MG	1V	207	1/1	0.95	0.07	34,34,34,34	0
57	MG	2a	1733	1/1	0.95	0.12	69,69,69,69	0
57	MG	1A	3461	1/1	0.95	0.11	25,25,25,25	0
57	MG	2A	3551	1/1	0.95	0.10	54,54,54,54	0
57	MG	1A	3676	1/1	0.95	0.08	52,52,52,52	0
57	MG	1A	3389	1/1	0.95	0.10	42,42,42,42	0
57	MG	2A	3321	1/1	0.95	0.09	62,62,62,62	0
57	MG	1X	103	1/1	0.95	0.10	50,50,50,50	0
57	MG	2A	3813	1/1	0.95	0.08	55,55,55,55	0
57	MG	1A	3273	1/1	0.95	0.18	54,54,54,54	0
57	MG	1a	1736	1/1	0.95	0.11	46,46,46,46	0
57	MG	2A	3109	1/1	0.95	0.07	41,41,41,41	0
57	MG	2a	1747	1/1	0.95	0.13	50,50,50,50	0
57	MG	1X	106	1/1	0.95	0.06	45,45,45,45	0
57	MG	1A	3906	1/1	0.95	0.10	67,67,67,67	0
57	MG	2a	1751	1/1	0.95	0.12	65,65,65,65	0
57	MG	1A	3578	1/1	0.95	0.06	28,28,28,28	0
57	MG	1A	3087	1/1	0.95	0.07	45,45,45,45	0
57	MG	1A	3909	1/1	0.95	0.12	26,26,26,26	0
57	MG	1Z	303	1/1	0.95	0.16	53,53,53,53	0
57	MG	2a	1756	1/1	0.95	0.08	53,53,53,53	0
57	MG	1A	3682	1/1	0.95	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
57	MG	2A	3117	1/1	0.95	0.11	60,60,60,60	0
57	MG	1A	3794	1/1	0.95	0.09	53,53,53,53	0
57	MG	10	104	1/1	0.95	0.18	49,49,49,49	0
57	MG	1A	3094	1/1	0.95	0.21	36,36,36,36	0
57	MG	10	107	1/1	0.95	0.06	41,41,41,41	0
57	MG	2A	3576	1/1	0.95	0.14	60,60,60,60	0
57	MG	1A	3913	1/1	0.95	0.09	59,59,59,59	0
57	MG	2A	3836	1/1	0.95	0.09	42,42,42,42	0
57	MG	2A	3125	1/1	0.95	0.29	62,62,62,62	0
57	MG	1A	3154	1/1	0.95	0.07	44,44,44,44	0
57	MG	1A	3278	1/1	0.95	0.14	43,43,43,43	0
57	MG	1A	3474	1/1	0.95	0.12	46,46,46,46	0
57	MG	1A	3917	1/1	0.95	0.08	68,68,68,68	0
57	MG	1A	4053	1/1	0.95	0.08	30,30,30,30	0
57	MG	1A	3397	1/1	0.95	0.20	40,40,40,40	0
57	MG	12	101	1/1	0.95	0.10	49,49,49,49	0
57	MG	1A	3689	1/1	0.95	0.10	32,32,32,32	0
57	MG	2A	3589	1/1	0.95	0.12	49,49,49,49	0
57	MG	2A	3350	1/1	0.95	0.12	38,38,38,38	0
57	MG	1A	3802	1/1	0.95	0.06	34,34,34,34	0
57	MG	2A	3145	1/1	0.95	0.28	55,55,55,55	0
57	MG	1A	3155	1/1	0.95	0.07	28,28,28,28	0
57	MG	1A	3213	1/1	0.95	0.09	51,51,51,51	0
57	MG	2A	3150	1/1	0.95	0.16	35,35,35,35	0
57	MG	2A	3152	1/1	0.95	0.11	66,66,66,66	0
57	MG	15	102	1/1	0.95	0.17	35,35,35,35	0
57	MG	1A	3215	1/1	0.95	0.12	56,56,56,56	0
57	MG	1a	1773	1/1	0.95	0.07	64,64,64,64	0
57	MG	1a	1775	1/1	0.95	0.07	77,77,77,77	0
57	MG	2A	3160	1/1	0.95	0.10	37,37,37,37	0
57	MG	2A	3161	1/1	0.95	0.07	51,51,51,51	0
57	MG	2A	3363	1/1	0.95	0.18	53,53,53,53	0
57	MG	1A	3222	1/1	0.95	0.10	40,40,40,40	0
57	MG	2B	211	1/1	0.95	0.24	68,68,68,68	0
57	MG	1A	3594	1/1	0.95	0.06	30,30,30,30	0
57	MG	16	101	1/1	0.95	0.07	59,59,59,59	0
57	MG	2a	1796	1/1	0.95	0.16	68,68,68,68	0
57	MG	1A	3927	1/1	0.95	0.17	48,48,48,48	0
57	MG	1a	1781	1/1	0.95	0.08	58,58,58,58	0
57	MG	1a	1782	1/1	0.95	0.07	53,53,53,53	0
57	MG	1A	4064	1/1	0.95	0.12	39,39,39,39	0
57	MG	1a	1784	1/1	0.95	0.06	51,51,51,51	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	2D	303	1/1	0.95	0.17	52,52,52,52	0
57	MG	1A	3283	1/1	0.95	0.23	60,60,60,60	0
57	MG	18	104	1/1	0.95	0.11	48,48,48,48	0
57	MG	2A	3174	1/1	0.95	0.12	52,52,52,52	0
57	MG	2E	301	1/1	0.95	0.15	59,59,59,59	0
57	MG	1A	3338	1/1	0.95	0.11	51,51,51,51	0
57	MG	1A	3284	1/1	0.95	0.11	49,49,49,49	0
57	MG	1A	3342	1/1	0.95	0.09	42,42,42,42	0
57	MG	1A	3223	1/1	0.95	0.09	54,54,54,54	0
57	MG	1A	3604	1/1	0.95	0.05	31,31,31,31	0
57	MG	2E	308	1/1	0.95	0.12	74,74,74,74	0
57	MG	1A	4078	1/1	0.95	0.11	51,51,51,51	0
57	MG	1A	3017	1/1	0.95	0.11	49,49,49,49	0
57	MG	2E	311	1/1	0.95	0.12	55,55,55,55	0
57	MG	1A	4081	1/1	0.95	0.08	43,43,43,43	0
57	MG	1A	3104	1/1	0.95	0.12	47,47,47,47	0
57	MG	1A	3711	1/1	0.95	0.06	36,36,36,36	0
57	MG	2G	201	1/1	0.95	0.09	57,57,57,57	0
57	MG	2A	3187	1/1	0.95	0.09	70,70,70,70	0
57	MG	1A	4084	1/1	0.95	0.11	57,57,57,57	0
57	MG	2A	3387	1/1	0.95	0.21	58,58,58,58	0
57	MG	1A	3292	1/1	0.95	0.26	54,54,54,54	0
57	MG	1A	3293	1/1	0.95	0.11	50,50,50,50	0
57	MG	1a	1614	1/1	0.95	0.20	61,61,61,61	0
57	MG	2R	202	1/1	0.95	0.06	41,41,41,41	0
57	MG	1a	1615	1/1	0.95	0.12	41,41,41,41	0
57	MG	1a	1618	1/1	0.95	0.08	48,48,48,48	0
57	MG	1A	3112	1/1	0.95	0.17	49,49,49,49	0
57	MG	2U	201	1/1	0.95	0.13	48,48,48,48	0
57	MG	1A	3945	1/1	0.95	0.08	40,40,40,40	0
57	MG	1A	4091	1/1	0.95	0.08	47,47,47,47	0
57	MG	2X	101	1/1	0.95	0.12	57,57,57,57	0
57	MG	1A	3049	1/1	0.95	0.09	50,50,50,50	0
57	MG	1A	3296	1/1	0.95	0.14	55,55,55,55	0
57	MG	2x	102	1/1	0.95	0.20	63,63,63,63	0
57	MG	1A	4095	1/1	0.95	0.06	42,42,42,42	0
57	MG	1A	3165	1/1	0.95	0.09	44,44,44,44	0
57	MG	1A	3831	1/1	0.95	0.11	32,32,32,32	0
57	MG	23	101	1/1	0.95	0.15	64,64,64,64	0
57	MG	1A	3512	1/1	0.95	0.09	47,47,47,47	0
57	MG	1A	3833	1/1	0.95	0.08	31,31,31,31	0
57	MG	2A	3405	1/1	0.95	0.08	46,46,46,46	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	1A	3617	1/1	0.95	0.07	42,42,42,42	0
57	MG	1A	3727	1/1	0.95	0.10	57,57,57,57	0
57	MG	1A	3837	1/1	0.95	0.08	27,27,27,27	0
57	MG	1a	1634	1/1	0.95	0.08	60,60,60,60	0
57	MG	27	103	1/1	0.95	0.10	55,55,55,55	0
60	ZN	14	102	1/1	0.95	0.11	107,107,107,107	0
57	MG	2A	3411	1/1	0.95	0.34	60,60,60,60	0
57	MG	1A	3781	1/1	0.96	0.07	36,36,36,36	0
57	MG	2A	3491	1/1	0.96	0.08	40,40,40,40	0
57	MG	2A	3075	1/1	0.96	0.15	50,50,50,50	0
57	MG	2A	3076	1/1	0.96	0.21	41,41,41,41	0
57	MG	2a	1626	1/1	0.96	0.23	68,68,68,68	0
57	MG	2A	3078	1/1	0.96	0.14	30,30,30,30	0
57	MG	1W	206	1/1	0.96	0.07	47,47,47,47	0
57	MG	1A	3444	1/1	0.96	0.23	41,41,41,41	0
57	MG	1a	1729	1/1	0.96	0.10	49,49,49,49	0
57	MG	2A	3725	1/1	0.96	0.09	52,52,52,52	0
57	MG	1A	3038	1/1	0.96	0.17	30,30,30,30	0
57	MG	2A	3083	1/1	0.96	0.09	48,48,48,48	0
57	MG	1A	3266	1/1	0.96	0.09	53,53,53,53	0
57	MG	1A	3447	1/1	0.96	0.11	47,47,47,47	0
57	MG	2A	3089	1/1	0.96	0.11	55,55,55,55	0
57	MG	1A	3060	1/1	0.96	0.04	24,24,24,24	0
57	MG	1a	1735	1/1	0.96	0.07	47,47,47,47	0
57	MG	2A	3298	1/1	0.96	0.08	56,56,56,56	0
57	MG	1A	3268	1/1	0.96	0.06	54,54,54,54	0
57	MG	1A	3789	1/1	0.96	0.08	61,61,61,61	0
57	MG	2A	3738	1/1	0.96	0.09	71,71,71,71	0
57	MG	1A	3001	1/1	0.96	0.06	42,42,42,42	0
57	MG	10	101	1/1	0.96	0.17	42,42,42,42	0
57	MG	1A	3270	1/1	0.96	0.12	40,40,40,40	0
57	MG	2A	3513	1/1	0.96	0.10	46,46,46,46	0
57	MG	2A	3099	1/1	0.96	0.09	48,48,48,48	0
57	MG	1A	3670	1/1	0.96	0.07	48,48,48,48	0
57	MG	1A	3454	1/1	0.96	0.06	53,53,53,53	0
57	MG	1A	3205	1/1	0.96	0.09	49,49,49,49	0
57	MG	1A	3098	1/1	0.96	0.14	31,31,31,31	0
57	MG	1A	3007	1/1	0.96	0.09	22,22,22,22	0
57	MG	10	109	1/1	0.96	0.20	64,64,64,64	0
57	MG	2A	3108	1/1	0.96	0.27	58,58,58,58	0
57	MG	2A	3313	1/1	0.96	0.15	55,55,55,55	0
57	MG	1A	3562	1/1	0.96	0.05	32,32,32,32	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	1A	3563	1/1	0.96	0.09	12,12,12,12	0
57	MG	1A	3327	1/1	0.96	0.13	46,46,46,46	0
57	MG	1a	1751	1/1	0.96	0.06	76,76,76,76	0
57	MG	1A	3568	1/1	0.96	0.07	31,31,31,31	0
57	MG	1A	4066	1/1	0.96	0.10	50,50,50,50	0
57	MG	1A	3043	1/1	0.96	0.06	31,31,31,31	0
57	MG	1l	106	1/1	0.96	0.09	53,53,53,53	0
57	MG	1A	3105	1/1	0.96	0.10	36,36,36,36	0
57	MG	1A	3573	1/1	0.96	0.07	52,52,52,52	0
57	MG	1a	1760	1/1	0.96	0.06	65,65,65,65	0
57	MG	13	102	1/1	0.96	0.10	46,46,46,46	0
57	MG	2A	3542	1/1	0.96	0.12	33,33,33,33	0
57	MG	1A	3214	1/1	0.96	0.26	47,47,47,47	0
57	MG	1A	3106	1/1	0.96	0.17	45,45,45,45	0
57	MG	1A	4076	1/1	0.96	0.08	58,58,58,58	0
57	MG	2A	3771	1/1	0.96	0.11	74,74,74,74	0
57	MG	1A	3396	1/1	0.96	0.12	39,39,39,39	0
57	MG	2A	3331	1/1	0.96	0.10	63,63,63,63	0
57	MG	15	104	1/1	0.96	0.13	32,32,32,32	0
57	MG	2A	3776	1/1	0.96	0.06	36,36,36,36	0
57	MG	1A	3216	1/1	0.96	0.27	37,37,37,37	0
57	MG	2A	3334	1/1	0.96	0.08	61,61,61,61	0
57	MG	1A	3581	1/1	0.96	0.07	24,24,24,24	0
57	MG	2A	3130	1/1	0.96	0.08	67,67,67,67	0
57	MG	2A	3133	1/1	0.96	0.08	43,43,43,43	0
57	MG	1A	3691	1/1	0.96	0.04	14,14,14,14	0
57	MG	2A	3137	1/1	0.96	0.12	38,38,38,38	0
57	MG	2A	3788	1/1	0.96	0.10	62,62,62,62	0
57	MG	1A	3219	1/1	0.96	0.05	28,28,28,28	0
57	MG	1A	3335	1/1	0.96	0.09	45,45,45,45	0
57	MG	1A	3939	1/1	0.96	0.06	52,52,52,52	0
57	MG	2A	3793	1/1	0.96	0.05	56,56,56,56	0
57	MG	2A	3142	1/1	0.96	0.18	40,40,40,40	0
57	MG	1A	4086	1/1	0.96	0.11	53,53,53,53	0
57	MG	1A	3221	1/1	0.96	0.08	47,47,47,47	0
57	MG	1A	3402	1/1	0.96	0.27	35,35,35,35	0
57	MG	1A	3110	1/1	0.96	0.10	38,38,38,38	0
57	MG	1A	3943	1/1	0.96	0.14	25,25,25,25	0
57	MG	2A	3151	1/1	0.96	0.09	53,53,53,53	0
57	MG	1A	3820	1/1	0.96	0.14	41,41,41,41	0
57	MG	2a	1700	1/1	0.96	0.20	64,64,64,64	0
57	MG	1A	3026	1/1	0.96	0.07	34,34,34,34	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	1A	3823	1/1	0.96	0.09	28,28,28,28	0
57	MG	1A	3947	1/1	0.96	0.09	69,69,69,69	0
57	MG	2A	3158	1/1	0.96	0.08	42,42,42,42	0
57	MG	1B	201	1/1	0.96	0.21	52,52,52,52	0
57	MG	2A	3809	1/1	0.96	0.13	37,37,37,37	0
57	MG	1A	3824	1/1	0.96	0.11	31,31,31,31	0
57	MG	2A	3811	1/1	0.96	0.14	57,57,57,57	0
57	MG	1a	1607	1/1	0.96	0.29	66,66,66,66	0
57	MG	1a	1795	1/1	0.96	0.12	71,71,71,71	0
57	MG	2A	3163	1/1	0.96	0.06	60,60,60,60	0
57	MG	2a	1712	1/1	0.96	0.11	53,53,53,53	0
57	MG	2A	3816	1/1	0.96	0.07	56,56,56,56	0
57	MG	2a	1714	1/1	0.96	0.18	46,46,46,46	0
57	MG	1B	203	1/1	0.96	0.09	46,46,46,46	0
57	MG	1a	1610	1/1	0.96	0.09	52,52,52,52	0
57	MG	2A	3585	1/1	0.96	0.11	62,62,62,62	0
57	MG	1A	3113	1/1	0.96	0.09	43,43,43,43	0
57	MG	1B	205	1/1	0.96	0.06	51,51,51,51	0
57	MG	1A	3951	1/1	0.96	0.06	28,28,28,28	0
57	MG	2A	3825	1/1	0.96	0.15	49,49,49,49	0
57	MG	1A	3952	1/1	0.96	0.06	31,31,31,31	0
57	MG	1A	3591	1/1	0.96	0.05	31,31,31,31	0
57	MG	1a	1616	1/1	0.96	0.05	41,41,41,41	0
57	MG	1A	3703	1/1	0.96	0.05	42,42,42,42	0
57	MG	2A	3594	1/1	0.96	0.06	34,34,34,34	0
57	MG	2A	3595	1/1	0.96	0.06	54,54,54,54	0
57	MG	2A	3596	1/1	0.96	0.16	58,58,58,58	0
57	MG	2A	3597	1/1	0.96	0.09	44,44,44,44	0
57	MG	1A	3116	1/1	0.96	0.14	41,41,41,41	0
57	MG	1A	3287	1/1	0.96	0.09	53,53,53,53	0
57	MG	1A	3958	1/1	0.96	0.07	39,39,39,39	0
57	MG	1A	3483	1/1	0.96	0.13	35,35,35,35	0
57	MG	1A	3117	1/1	0.96	0.05	38,38,38,38	0
57	MG	2A	3179	1/1	0.96	0.07	47,47,47,47	0
57	MG	1A	3290	1/1	0.96	0.14	37,37,37,37	0
57	MG	1A	3412	1/1	0.96	0.08	54,54,54,54	0
57	MG	1a	1813	1/1	0.96	0.12	57,57,57,57	0
57	MG	1B	218	1/1	0.96	0.19	47,47,47,47	0
57	MG	2a	1741	1/1	0.96	0.21	57,57,57,57	0
57	MG	1A	3008	1/1	0.96	0.05	28,28,28,28	0
57	MG	1A	3489	1/1	0.96	0.07	22,22,22,22	0
57	MG	1A	3602	1/1	0.96	0.08	44,44,44,44	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	1e	202	1/1	0.96	0.13	53,53,53,53	0
57	MG	2a	1748	1/1	0.96	0.09	70,70,70,70	0
57	MG	1A	3838	1/1	0.96	0.09	24,24,24,24	0
57	MG	1A	3603	1/1	0.96	0.12	53,53,53,53	0
57	MG	1A	3490	1/1	0.96	0.12	50,50,50,50	0
57	MG	1B	226	1/1	0.96	0.09	46,46,46,46	0
57	MG	1A	3605	1/1	0.96	0.05	30,30,30,30	0
57	MG	1A	3723	1/1	0.96	0.05	40,40,40,40	0
57	MG	1A	3169	1/1	0.96	0.16	41,41,41,41	0
57	MG	1A	3073	1/1	0.96	0.10	38,38,38,38	0
57	MG	1A	3493	1/1	0.96	0.09	48,48,48,48	0
57	MG	1t	201	1/1	0.96	0.10	51,51,51,51	0
57	MG	1A	3237	1/1	0.96	0.17	43,43,43,43	0
57	MG	1A	3031	1/1	0.96	0.32	31,31,31,31	0
57	MG	1A	3733	1/1	0.96	0.06	44,44,44,44	0
57	MG	1A	3611	1/1	0.96	0.09	43,43,43,43	0
57	MG	1A	3033	1/1	0.96	0.08	39,39,39,39	0
57	MG	1D	311	1/1	0.96	0.17	28,28,28,28	0
57	MG	1A	3500	1/1	0.96	0.08	49,49,49,49	0
57	MG	1D	313	1/1	0.96	0.11	38,38,38,38	0
57	MG	1D	314	1/1	0.96	0.19	37,37,37,37	0
57	MG	1A	3503	1/1	0.96	0.11	38,38,38,38	0
57	MG	1E	307	1/1	0.96	0.17	29,29,29,29	0
57	MG	1A	3504	1/1	0.96	0.21	38,38,38,38	0
57	MG	2D	302	1/1	0.96	0.08	51,51,51,51	0
57	MG	2A	3407	1/1	0.96	0.20	50,50,50,50	0
57	MG	2D	305	1/1	0.96	0.26	45,45,45,45	0
57	MG	1A	3421	1/1	0.96	0.12	38,38,38,38	0
57	MG	1A	3619	1/1	0.96	0.06	27,27,27,27	0
57	MG	1A	3184	1/1	0.96	0.07	33,33,33,33	0
57	MG	1E	314	1/1	0.96	0.11	40,40,40,40	0
57	MG	1A	3990	1/1	0.96	0.07	44,44,44,44	0
57	MG	1a	1661	1/1	0.96	0.38	69,69,69,69	0
57	MG	1A	3127	1/1	0.96	0.08	52,52,52,52	0
57	MG	1a	1663	1/1	0.96	0.11	55,55,55,55	0
57	MG	1A	3625	1/1	0.96	0.10	50,50,50,50	0
57	MG	1A	3626	1/1	0.96	0.09	61,61,61,61	0
57	MG	1F	306	1/1	0.96	0.07	34,34,34,34	0
57	MG	2A	3229	1/1	0.96	0.08	53,53,53,53	0
57	MG	1A	3299	1/1	0.96	0.09	44,44,44,44	0
57	MG	1A	3242	1/1	0.96	0.10	39,39,39,39	0
57	MG	1A	3751	1/1	0.96	0.07	50,50,50,50	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	1A	3128	1/1	0.96	0.06	39,39,39,39	0
57	MG	2F	3304	1/1	0.96	0.13	42,42,42,42	0
57	MG	1G	201	1/1	0.96	0.15	38,38,38,38	0
57	MG	1A	3515	1/1	0.96	0.08	40,40,40,40	0
57	MG	1A	4002	1/1	0.96	0.05	39,39,39,39	0
57	MG	1A	4003	1/1	0.96	0.05	20,20,20,20	0
57	MG	1a	1675	1/1	0.96	0.16	37,37,37,37	0
57	MG	2Q	201	1/1	0.96	0.13	58,58,58,58	0
57	MG	1A	3633	1/1	0.96	0.06	30,30,30,30	0
57	MG	1A	3871	1/1	0.96	0.08	44,44,44,44	0
57	MG	1A	3872	1/1	0.96	0.09	40,40,40,40	0
57	MG	1A	3079	1/1	0.96	0.10	42,42,42,42	0
57	MG	1N	204	1/1	0.96	0.22	55,55,55,55	0
57	MG	1A	3246	1/1	0.96	0.12	38,38,38,38	0
57	MG	2A	3025	1/1	0.96	0.15	44,44,44,44	0
57	MG	1A	3052	1/1	0.96	0.06	37,37,37,37	0
57	MG	2A	3444	1/1	0.96	0.07	46,46,46,46	0
57	MG	2A	3673	1/1	0.96	0.10	56,56,56,56	0
57	MG	2Y	201	1/1	0.96	0.20	60,60,60,60	0
57	MG	2Z	301	1/1	0.96	0.13	67,67,67,67	0
57	MG	1A	3368	1/1	0.96	0.11	56,56,56,56	0
57	MG	1A	3189	1/1	0.96	0.09	41,41,41,41	0
57	MG	1A	3526	1/1	0.96	0.10	37,37,37,37	0
57	MG	2f	201	1/1	0.96	0.09	39,39,39,39	0
57	MG	1A	3527	1/1	0.96	0.18	50,50,50,50	0
57	MG	2A	3035	1/1	0.96	0.11	56,56,56,56	0
57	MG	1A	3528	1/1	0.96	0.19	47,47,47,47	0
57	MG	23	103	1/1	0.96	0.10	49,49,49,49	0
57	MG	2l	202	1/1	0.96	0.10	65,65,65,65	0
57	MG	1A	3037	1/1	0.96	0.06	31,31,31,31	0
57	MG	1A	3251	1/1	0.96	0.07	43,43,43,43	0
57	MG	1Q	202	1/1	0.96	0.21	44,44,44,44	0
57	MG	1A	4022	1/1	0.96	0.06	36,36,36,36	0
57	MG	1A	3532	1/1	0.96	0.14	39,39,39,39	0
57	MG	1A	3435	1/1	0.96	0.09	52,52,52,52	0
57	MG	2A	3045	1/1	0.96	0.13	56,56,56,56	0
57	MG	1A	3436	1/1	0.96	0.18	43,43,43,43	0
57	MG	2A	3691	1/1	0.96	0.08	42,42,42,42	0
57	MG	2A	3461	1/1	0.96	0.09	51,51,51,51	0
57	MG	1S	3602	1/1	0.96	0.08	51,51,51,51	0
57	MG	1A	3893	1/1	0.96	0.07	62,62,62,62	0
57	MG	1A	3772	1/1	0.96	0.07	43,43,43,43	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	1A	3895	1/1	0.96	0.12	43,43,43,43	0
57	MG	2A	3053	1/1	0.96	0.16	60,60,60,60	0
57	MG	1T	203	1/1	0.96	0.16	63,63,63,63	0
57	MG	1a	1704	1/1	0.96	0.24	58,58,58,58	0
57	MG	1A	3252	1/1	0.96	0.10	42,42,42,42	0
57	MG	2A	3472	1/1	0.96	0.11	60,60,60,60	0
57	MG	1A	3374	1/1	0.96	0.19	51,51,51,51	0
57	MG	1A	3055	1/1	0.96	0.15	48,48,48,48	0
57	MG	1A	3899	1/1	0.96	0.05	46,46,46,46	0
57	MG	1U	206	1/1	0.96	0.35	39,39,39,39	0
57	MG	1A	3540	1/1	0.96	0.29	44,44,44,44	0
57	MG	2A	3063	1/1	0.96	0.07	69,69,69,69	0
57	MG	1A	3056	1/1	0.96	0.09	35,35,35,35	0
57	MG	1V	202	1/1	0.96	0.21	41,41,41,41	0
57	MG	1A	4036	1/1	0.96	0.33	41,41,41,41	0
58	K	1A	3508	1/1	0.96	0.06	36,36,36,36	0
57	MG	1A	4037	1/1	0.96	0.06	42,42,42,42	0
57	MG	1A	3441	1/1	0.96	0.06	52,52,52,52	0
57	MG	1A	3145	1/1	0.96	0.20	56,56,56,56	0
57	MG	2A	3071	1/1	0.96	0.08	49,49,49,49	0
57	MG	1A	3084	1/1	0.96	0.05	28,28,28,28	0
62	PHE	2w	108	11/12	0.96	0.12	35,38,45,45	0
63	FME	2x	108	10/11	0.96	0.11	34,43,46,53	0
57	MG	1A	3883	1/1	0.97	0.04	53,53,53,53	0
57	MG	1A	4012	1/1	0.97	0.06	15,15,15,15	0
57	MG	1A	3208	1/1	0.97	0.19	27,27,27,27	0
57	MG	2A	3225	1/1	0.97	0.08	44,44,44,44	0
57	MG	1A	3459	1/1	0.97	0.09	41,41,41,41	0
57	MG	1A	4015	1/1	0.97	0.11	44,44,44,44	0
57	MG	1A	3550	1/1	0.97	0.06	30,30,30,30	0
57	MG	1A	4017	1/1	0.97	0.07	39,39,39,39	0
57	MG	1A	3108	1/1	0.97	0.17	35,35,35,35	0
57	MG	1A	3109	1/1	0.97	0.16	36,36,36,36	0
57	MG	1A	3767	1/1	0.97	0.08	30,30,30,30	0
57	MG	2A	3012	1/1	0.97	0.06	35,35,35,35	0
57	MG	2A	3014	1/1	0.97	0.14	39,39,39,39	0
57	MG	1A	3462	1/1	0.97	0.08	47,47,47,47	0
57	MG	2A	3454	1/1	0.97	0.11	36,36,36,36	0
57	MG	1A	3891	1/1	0.97	0.05	45,45,45,45	0
57	MG	1A	3769	1/1	0.97	0.04	30,30,30,30	0
57	MG	2A	3019	1/1	0.97	0.18	59,59,59,59	0
57	MG	1A	3014	1/1	0.97	0.10	38,38,38,38	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	1A	3111	1/1	0.97	0.18	33,33,33,33	0
57	MG	1A	3466	1/1	0.97	0.14	33,33,33,33	0
57	MG	2A	3707	1/1	0.97	0.17	43,43,43,43	0
57	MG	1A	4027	1/1	0.97	0.07	36,36,36,36	0
57	MG	2A	3026	1/1	0.97	0.05	39,39,39,39	0
57	MG	1A	3022	1/1	0.97	0.15	34,34,34,34	0
57	MG	1A	3468	1/1	0.97	0.24	36,36,36,36	0
57	MG	2A	3029	1/1	0.97	0.08	42,42,42,42	0
57	MG	1A	3159	1/1	0.97	0.08	22,22,22,22	0
57	MG	1A	3661	1/1	0.97	0.04	13,13,13,13	0
57	MG	2A	3032	1/1	0.97	0.11	43,43,43,43	0
57	MG	2A	3033	1/1	0.97	0.07	50,50,50,50	0
57	MG	1P	206	1/1	0.97	0.10	41,41,41,41	0
57	MG	1Q	201	1/1	0.97	0.19	35,35,35,35	0
57	MG	1A	3561	1/1	0.97	0.08	24,24,24,24	0
57	MG	2A	3037	1/1	0.97	0.07	24,24,24,24	0
57	MG	1A	3663	1/1	0.97	0.08	34,34,34,34	0
57	MG	1Q	206	1/1	0.97	0.06	45,45,45,45	0
57	MG	1A	3218	1/1	0.97	0.08	27,27,27,27	0
57	MG	1A	3039	1/1	0.97	0.17	32,32,32,32	0
57	MG	1R	201	1/1	0.97	0.14	37,37,37,37	0
57	MG	1R	203	1/1	0.97	0.06	33,33,33,33	0
57	MG	2A	3482	1/1	0.97	0.12	38,38,38,38	0
57	MG	1A	3565	1/1	0.97	0.07	35,35,35,35	0
57	MG	1A	3114	1/1	0.97	0.14	60,60,60,60	0
57	MG	1a	1694	1/1	0.97	0.12	47,47,47,47	0
57	MG	2A	3487	1/1	0.97	0.07	41,41,41,41	0
57	MG	1A	3567	1/1	0.97	0.05	30,30,30,30	0
57	MG	1A	3028	1/1	0.97	0.15	35,35,35,35	0
57	MG	2A	3734	1/1	0.97	0.06	49,49,49,49	0
57	MG	1A	3006	1/1	0.97	0.07	34,34,34,34	0
57	MG	1a	1700	1/1	0.97	0.14	59,59,59,59	0
57	MG	2A	3737	1/1	0.97	0.10	49,49,49,49	0
57	MG	1A	3786	1/1	0.97	0.05	40,40,40,40	0
57	MG	2A	3739	1/1	0.97	0.04	51,51,51,51	0
57	MG	2A	3269	1/1	0.97	0.16	55,55,55,55	0
57	MG	2A	3494	1/1	0.97	0.06	43,43,43,43	0
57	MG	1A	3570	1/1	0.97	0.10	56,56,56,56	0
57	MG	2a	1663	1/1	0.97	0.13	45,45,45,45	0
57	MG	1U	202	1/1	0.97	0.11	41,41,41,41	0
57	MG	2a	1665	1/1	0.97	0.09	49,49,49,49	0
57	MG	1A	3072	1/1	0.97	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
57	MG	1A	3675	1/1	0.97	0.06	45,45,45,45	0
57	MG	1A	3225	1/1	0.97	0.17	47,47,47,47	0
57	MG	1a	1707	1/1	0.97	0.11	51,51,51,51	0
57	MG	2A	3061	1/1	0.97	0.11	43,43,43,43	0
57	MG	1a	1708	1/1	0.97	0.07	58,58,58,58	0
57	MG	1A	3479	1/1	0.97	0.05	49,49,49,49	0
57	MG	1a	1710	1/1	0.97	0.05	36,36,36,36	0
57	MG	2A	3752	1/1	0.97	0.11	72,72,72,72	0
57	MG	1A	4049	1/1	0.97	0.05	35,35,35,35	0
57	MG	1a	1713	1/1	0.97	0.10	51,51,51,51	0
57	MG	1A	3121	1/1	0.97	0.29	31,31,31,31	0
57	MG	1A	3577	1/1	0.97	0.06	30,30,30,30	0
57	MG	1A	3167	1/1	0.97	0.15	41,41,41,41	0
57	MG	1V	205	1/1	0.97	0.11	31,31,31,31	0
57	MG	2A	3072	1/1	0.97	0.06	50,50,50,50	0
57	MG	1A	4054	1/1	0.97	0.06	61,61,61,61	0
57	MG	2A	3514	1/1	0.97	0.08	34,34,34,34	0
57	MG	1a	1719	1/1	0.97	0.07	46,46,46,46	0
57	MG	1A	3795	1/1	0.97	0.12	44,44,44,44	0
57	MG	1A	3482	1/1	0.97	0.10	39,39,39,39	0
57	MG	2A	3077	1/1	0.97	0.08	43,43,43,43	0
57	MG	1A	3351	1/1	0.97	0.06	47,47,47,47	0
57	MG	1A	3484	1/1	0.97	0.18	44,44,44,44	0
57	MG	2A	3524	1/1	0.97	0.07	33,33,33,33	0
57	MG	1A	3414	1/1	0.97	0.28	56,56,56,56	0
57	MG	1A	3289	1/1	0.97	0.09	41,41,41,41	0
57	MG	1X	104	1/1	0.97	0.10	41,41,41,41	0
57	MG	1A	3032	1/1	0.97	0.06	48,48,48,48	0
57	MG	2A	3084	1/1	0.97	0.06	46,46,46,46	0
57	MG	2A	3530	1/1	0.97	0.07	38,38,38,38	0
57	MG	2A	3531	1/1	0.97	0.07	41,41,41,41	0
57	MG	1A	3088	1/1	0.97	0.06	31,31,31,31	0
57	MG	2A	3086	1/1	0.97	0.06	56,56,56,56	0
57	MG	2A	3087	1/1	0.97	0.06	43,43,43,43	0
57	MG	1A	3587	1/1	0.97	0.05	14,14,14,14	0
57	MG	2A	3303	1/1	0.97	0.25	66,66,66,66	0
57	MG	2A	3786	1/1	0.97	0.06	60,60,60,60	0
57	MG	1A	3804	1/1	0.97	0.25	41,41,41,41	0
57	MG	1Y	202	1/1	0.97	0.13	47,47,47,47	0
57	MG	1A	3357	1/1	0.97	0.09	46,46,46,46	0
57	MG	1A	3234	1/1	0.97	0.09	37,37,37,37	0
57	MG	1A	3931	1/1	0.97	0.09	26,26,26,26	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	2A	3792	1/1	0.97	0.06	37,37,37,37	0
57	MG	1A	3693	1/1	0.97	0.10	62,62,62,62	0
57	MG	1A	4070	1/1	0.97	0.07	61,61,61,61	0
57	MG	2A	3097	1/1	0.97	0.12	61,61,61,61	0
57	MG	1A	3809	1/1	0.97	0.09	46,46,46,46	0
57	MG	2A	3546	1/1	0.97	0.08	26,26,26,26	0
57	MG	1A	3935	1/1	0.97	0.10	47,47,47,47	0
57	MG	1A	4074	1/1	0.97	0.06	49,49,49,49	0
57	MG	1A	4075	1/1	0.97	0.06	39,39,39,39	0
57	MG	2A	3316	1/1	0.97	0.11	56,56,56,56	0
57	MG	1A	3420	1/1	0.97	0.20	42,42,42,42	0
57	MG	1A	3170	1/1	0.97	0.12	31,31,31,31	0
57	MG	1A	3236	1/1	0.97	0.06	35,35,35,35	0
57	MG	1A	3174	1/1	0.97	0.14	29,29,29,29	0
57	MG	2A	3107	1/1	0.97	0.13	50,50,50,50	0
57	MG	11	101	1/1	0.97	0.34	42,42,42,42	0
57	MG	1A	4080	1/1	0.97	0.19	48,48,48,48	0
57	MG	2a	1726	1/1	0.97	0.09	76,76,76,76	0
57	MG	2A	3561	1/1	0.97	0.07	53,53,53,53	0
57	MG	1A	3698	1/1	0.97	0.06	41,41,41,41	0
57	MG	1A	3175	1/1	0.97	0.15	34,34,34,34	0
57	MG	1A	3596	1/1	0.97	0.06	46,46,46,46	0
57	MG	1a	1754	1/1	0.97	0.07	58,58,58,58	0
57	MG	2A	3817	1/1	0.97	0.13	56,56,56,56	0
57	MG	1A	3124	1/1	0.97	0.11	32,32,32,32	0
57	MG	1A	4085	1/1	0.97	0.06	50,50,50,50	0
57	MG	1A	3598	1/1	0.97	0.08	41,41,41,41	0
57	MG	13	101	1/1	0.97	0.08	34,34,34,34	0
57	MG	2A	3118	1/1	0.97	0.11	34,34,34,34	0
57	MG	1A	3497	1/1	0.97	0.10	57,57,57,57	0
57	MG	2A	3824	1/1	0.97	0.07	53,53,53,53	0
57	MG	1A	3091	1/1	0.97	0.07	35,35,35,35	0
57	MG	1A	3181	1/1	0.97	0.11	29,29,29,29	0
57	MG	2a	1743	1/1	0.97	0.10	60,60,60,60	0
57	MG	1A	3093	1/1	0.97	0.14	37,37,37,37	0
57	MG	2A	3575	1/1	0.97	0.09	55,55,55,55	0
57	MG	1a	1767	1/1	0.97	0.05	63,63,63,63	0
57	MG	1A	3709	1/1	0.97	0.06	46,46,46,46	0
57	MG	1a	1769	1/1	0.97	0.07	53,53,53,53	0
57	MG	15	103	1/1	0.97	0.18	31,31,31,31	0
57	MG	1A	3950	1/1	0.97	0.05	30,30,30,30	0
57	MG	1A	3710	1/1	0.97	0.04	30,30,30,30	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	2A	3582	1/1	0.97	0.09	40,40,40,40	0
57	MG	1A	3505	1/1	0.97	0.14	34,34,34,34	0
57	MG	2A	3131	1/1	0.97	0.13	48,48,48,48	0
57	MG	2A	3838	1/1	0.97	0.10	51,51,51,51	0
57	MG	1A	3074	1/1	0.97	0.14	33,33,33,33	0
57	MG	1A	3045	1/1	0.97	0.04	21,21,21,21	0
57	MG	2A	3135	1/1	0.97	0.18	38,38,38,38	0
57	MG	2A	3842	1/1	0.97	0.06	45,45,45,45	0
57	MG	2A	3843	1/1	0.97	0.06	56,56,56,56	0
57	MG	17	101	1/1	0.97	0.05	30,30,30,30	0
57	MG	2A	3845	1/1	0.97	0.06	61,61,61,61	0
57	MG	1A	3133	1/1	0.97	0.21	41,41,41,41	0
57	MG	2A	3139	1/1	0.97	0.11	47,47,47,47	0
57	MG	1a	1780	1/1	0.97	0.06	66,66,66,66	0
57	MG	17	104	1/1	0.97	0.07	34,34,34,34	0
57	MG	17	105	1/1	0.97	0.17	54,54,54,54	0
57	MG	1A	3715	1/1	0.97	0.07	30,30,30,30	0
57	MG	17	107	1/1	0.97	0.14	29,29,29,29	0
57	MG	1a	1785	1/1	0.97	0.04	52,52,52,52	0
57	MG	2A	3147	1/1	0.97	0.07	54,54,54,54	0
57	MG	2A	3148	1/1	0.97	0.07	48,48,48,48	0
57	MG	1A	3370	1/1	0.97	0.10	40,40,40,40	0
57	MG	18	102	1/1	0.97	0.20	44,44,44,44	0
57	MG	1A	3135	1/1	0.97	0.12	45,45,45,45	0
57	MG	1A	3834	1/1	0.97	0.10	45,45,45,45	0
57	MG	1A	3434	1/1	0.97	0.07	35,35,35,35	0
57	MG	1B	209	1/1	0.97	0.14	49,49,49,49	0
57	MG	2A	3155	1/1	0.97	0.18	46,46,46,46	0
57	MG	1A	3100	1/1	0.97	0.29	38,38,38,38	0
57	MG	2A	3157	1/1	0.97	0.10	47,47,47,47	0
57	MG	1A	3720	1/1	0.97	0.04	33,33,33,33	0
57	MG	1A	3722	1/1	0.97	0.06	67,67,67,67	0
57	MG	2A	3613	1/1	0.97	0.14	47,47,47,47	0
57	MG	1A	3516	1/1	0.97	0.12	33,33,33,33	0
57	MG	1A	3724	1/1	0.97	0.05	28,28,28,28	0
57	MG	1A	3076	1/1	0.97	0.14	34,34,34,34	0
57	MG	1A	3250	1/1	0.97	0.11	38,38,38,38	0
57	MG	2a	1790	1/1	0.97	0.27	56,56,56,56	0
57	MG	1a	1608	1/1	0.97	0.07	45,45,45,45	0
57	MG	1A	3728	1/1	0.97	0.09	57,57,57,57	0
57	MG	1A	3614	1/1	0.97	0.05	27,27,27,27	0
57	MG	1A	3520	1/1	0.97	0.17	32,32,32,32	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	1A	3521	1/1	0.97	0.13	40,40,40,40	0
57	MG	1A	3139	1/1	0.97	0.20	37,37,37,37	0
57	MG	2A	3170	1/1	0.97	0.08	33,33,33,33	0
57	MG	1A	3102	1/1	0.97	0.16	32,32,32,32	0
57	MG	1A	3258	1/1	0.97	0.20	33,33,33,33	0
57	MG	1A	3259	1/1	0.97	0.09	42,42,42,42	0
57	MG	2A	3628	1/1	0.97	0.05	30,30,30,30	0
57	MG	1A	3623	1/1	0.97	0.04	20,20,20,20	0
57	MG	1A	3315	1/1	0.97	0.12	38,38,38,38	0
57	MG	1A	3855	1/1	0.97	0.07	42,42,42,42	0
57	MG	1A	3739	1/1	0.97	0.08	51,51,51,51	0
57	MG	2A	3634	1/1	0.97	0.21	61,61,61,61	0
57	MG	1A	3380	1/1	0.97	0.11	38,38,38,38	0
57	MG	1B	231	1/1	0.97	0.09	57,57,57,57	0
57	MG	1A	3141	1/1	0.97	0.09	27,27,27,27	0
57	MG	2A	3638	1/1	0.97	0.24	35,35,35,35	0
57	MG	2A	3181	1/1	0.97	0.06	54,54,54,54	0
57	MG	1A	3261	1/1	0.97	0.10	30,30,30,30	0
57	MG	1A	3194	1/1	0.97	0.09	51,51,51,51	0
57	MG	1A	3989	1/1	0.97	0.05	39,39,39,39	0
57	MG	1a	1628	1/1	0.97	0.16	59,59,59,59	0
57	MG	1A	3533	1/1	0.97	0.13	54,54,54,54	0
57	MG	2A	3398	1/1	0.97	0.10	55,55,55,55	0
57	MG	1D	303	1/1	0.97	0.15	42,42,42,42	0
57	MG	1D	304	1/1	0.97	0.12	39,39,39,39	0
57	MG	1D	306	1/1	0.97	0.11	38,38,38,38	0
57	MG	1D	309	1/1	0.97	0.08	45,45,45,45	0
57	MG	1A	3384	1/1	0.97	0.09	46,46,46,46	0
57	MG	1A	3993	1/1	0.97	0.07	26,26,26,26	0
57	MG	1A	3142	1/1	0.97	0.09	27,27,27,27	0
57	MG	1A	3103	1/1	0.97	0.07	37,37,37,37	0
57	MG	2V	201	1/1	0.97	0.18	44,44,44,44	0
57	MG	1A	3749	1/1	0.97	0.05	21,21,21,21	0
57	MG	1A	3750	1/1	0.97	0.06	19,19,19,19	0
57	MG	1E	303	1/1	0.97	0.16	47,47,47,47	0
57	MG	2A	3199	1/1	0.97	0.06	56,56,56,56	0
57	MG	1a	1644	1/1	0.97	0.15	47,47,47,47	0
57	MG	1E	304	1/1	0.97	0.12	45,45,45,45	0
57	MG	2A	3202	1/1	0.97	0.13	51,51,51,51	0
57	MG	1A	3018	1/1	0.97	0.09	22,22,22,22	0
57	MG	1A	3451	1/1	0.97	0.10	34,34,34,34	0
57	MG	1A	4000	1/1	0.97	0.09	48,48,48,48	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	1A	3452	1/1	0.97	0.15	33,33,33,33	0
57	MG	2A	3418	1/1	0.97	0.13	37,37,37,37	0
57	MG	1E	312	1/1	0.97	0.10	28,28,28,28	0
57	MG	2x	104	1/1	0.97	0.08	53,53,53,53	0
57	MG	1A	3201	1/1	0.97	0.05	44,44,44,44	0
57	MG	1A	3543	1/1	0.97	0.07	28,28,28,28	0
57	MG	1A	3078	1/1	0.97	0.09	41,41,41,41	0
57	MG	1A	3147	1/1	0.97	0.08	41,41,41,41	0
57	MG	1F	301	1/1	0.97	0.14	39,39,39,39	0
57	MG	27	101	1/1	0.97	0.18	60,60,60,60	0
57	MG	1A	3047	1/1	0.97	0.11	29,29,29,29	0
57	MG	2A	3429	1/1	0.97	0.17	43,43,43,43	0
57	MG	1A	3107	1/1	0.97	0.18	37,37,37,37	0
57	MG	2A	3215	1/1	0.97	0.43	40,40,40,40	0
57	MG	1A	4009	1/1	0.97	0.07	32,32,32,32	0
57	MG	1F	307	1/1	0.97	0.06	36,36,36,36	0
57	MG	2A	3218	1/1	0.97	0.15	45,45,45,45	0
60	ZN	2Y	202	1/1	0.97	0.05	90,90,90,90	0
57	MG	1F	308	1/1	0.97	0.12	27,27,27,27	0
60	ZN	2n	501	1/1	0.97	0.05	81,81,81,81	0
62	PHE	1w	109	11/12	0.97	0.08	19,25,28,30	0
57	MG	1A	3882	1/1	0.97	0.08	37,37,37,37	0
63	FME	1x	115	10/11	0.97	0.12	21,25,29,39	10
57	MG	2A	3438	1/1	0.97	0.09	47,47,47,47	0
57	MG	1A	3536	1/1	0.98	0.12	29,29,29,29	0
57	MG	1A	3339	1/1	0.98	0.08	42,42,42,42	0
57	MG	1A	3463	1/1	0.98	0.13	46,46,46,46	0
57	MG	2A	3468	1/1	0.98	0.05	62,62,62,62	0
57	MG	1A	3285	1/1	0.98	0.15	34,34,34,34	0
57	MG	1A	3020	1/1	0.98	0.06	17,17,17,17	0
57	MG	1A	3115	1/1	0.98	0.06	50,50,50,50	0
57	MG	1A	3618	1/1	0.98	0.09	25,25,25,25	0
57	MG	1A	3542	1/1	0.98	0.12	32,32,32,32	0
57	MG	1B	219	1/1	0.98	0.05	36,36,36,36	0
57	MG	1A	3405	1/1	0.98	0.13	37,37,37,37	0
57	MG	1A	3344	1/1	0.98	0.13	35,35,35,35	0
57	MG	1A	3622	1/1	0.98	0.04	28,28,28,28	0
57	MG	1A	4008	1/1	0.98	0.06	12,12,12,12	0
57	MG	1a	1699	1/1	0.98	0.05	29,29,29,29	0
57	MG	1A	3095	1/1	0.98	0.27	29,29,29,29	0
57	MG	10	106	1/1	0.98	0.08	44,44,44,44	0
57	MG	1A	3471	1/1	0.98	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
57	MG	2A	3483	1/1	0.98	0.08	43,43,43,43	0
57	MG	2A	3658	1/1	0.98	0.05	61,61,61,61	0
57	MG	1A	3408	1/1	0.98	0.08	40,40,40,40	0
57	MG	1A	3347	1/1	0.98	0.10	34,34,34,34	0
57	MG	1A	3807	1/1	0.98	0.05	44,44,44,44	0
57	MG	1A	3096	1/1	0.98	0.05	36,36,36,36	0
57	MG	1A	3629	1/1	0.98	0.08	22,22,22,22	0
57	MG	1A	3349	1/1	0.98	0.21	36,36,36,36	0
57	MG	2A	3008	1/1	0.98	0.06	39,39,39,39	0
57	MG	1A	3118	1/1	0.98	0.05	32,32,32,32	0
57	MG	1B	233	1/1	0.98	0.07	61,61,61,61	0
57	MG	2A	3011	1/1	0.98	0.04	40,40,40,40	0
57	MG	1A	3721	1/1	0.98	0.09	40,40,40,40	0
57	MG	1a	1712	1/1	0.98	0.09	44,44,44,44	0
57	MG	1A	3097	1/1	0.98	0.12	33,33,33,33	0
57	MG	1A	3634	1/1	0.98	0.09	30,30,30,30	0
57	MG	1D	301	1/1	0.98	0.10	32,32,32,32	0
57	MG	2A	3018	1/1	0.98	0.10	39,39,39,39	0
57	MG	1A	3553	1/1	0.98	0.04	39,39,39,39	0
57	MG	2A	3020	1/1	0.98	0.05	23,23,23,23	0
57	MG	2A	3021	1/1	0.98	0.16	45,45,45,45	0
57	MG	1A	3725	1/1	0.98	0.05	22,22,22,22	0
57	MG	1A	3120	1/1	0.98	0.14	28,28,28,28	0
57	MG	2A	3505	1/1	0.98	0.04	43,43,43,43	0
57	MG	2A	3682	1/1	0.98	0.05	49,49,49,49	0
57	MG	1D	305	1/1	0.98	0.09	21,21,21,21	0
57	MG	1A	3063	1/1	0.98	0.18	30,30,30,30	0
57	MG	15	101	1/1	0.98	0.08	42,42,42,42	0
57	MG	1D	307	1/1	0.98	0.07	31,31,31,31	0
57	MG	1A	3819	1/1	0.98	0.09	34,34,34,34	0
57	MG	2A	3688	1/1	0.98	0.04	34,34,34,34	0
57	MG	1A	3354	1/1	0.98	0.06	31,31,31,31	0
57	MG	2D	301	1/1	0.98	0.09	37,37,37,37	0
57	MG	1A	3821	1/1	0.98	0.20	34,34,34,34	0
57	MG	1A	3099	1/1	0.98	0.04	32,32,32,32	0
57	MG	2D	304	1/1	0.98	0.27	45,45,45,45	0
57	MG	1A	3064	1/1	0.98	0.04	15,15,15,15	0
57	MG	1A	3731	1/1	0.98	0.04	40,40,40,40	0
57	MG	2A	3516	1/1	0.98	0.11	32,32,32,32	0
57	MG	2A	3517	1/1	0.98	0.07	35,35,35,35	0
57	MG	1A	3243	1/1	0.98	0.07	39,39,39,39	0
57	MG	1A	3195	1/1	0.98	0.11	37,37,37,37	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	2A	3194	1/1	0.98	0.12	45,45,45,45	0
57	MG	1A	3196	1/1	0.98	0.04	34,34,34,34	0
57	MG	2E	305	1/1	0.98	0.05	44,44,44,44	0
57	MG	1a	1734	1/1	0.98	0.12	51,51,51,51	0
57	MG	2A	3523	1/1	0.98	0.06	50,50,50,50	0
57	MG	1E	305	1/1	0.98	0.07	34,34,34,34	0
57	MG	1E	306	1/1	0.98	0.10	27,27,27,27	0
57	MG	2A	3040	1/1	0.98	0.13	57,57,57,57	0
57	MG	1A	3016	1/1	0.98	0.10	28,28,28,28	0
57	MG	1A	3198	1/1	0.98	0.14	37,37,37,37	0
57	MG	1E	309	1/1	0.98	0.09	28,28,28,28	0
57	MG	1A	3564	1/1	0.98	0.07	34,34,34,34	0
57	MG	1A	3932	1/1	0.98	0.06	29,29,29,29	0
57	MG	2F	3305	1/1	0.98	0.19	43,43,43,43	0
57	MG	1A	3647	1/1	0.98	0.09	32,32,32,32	0
57	MG	1A	3156	1/1	0.98	0.15	35,35,35,35	0
57	MG	2A	3048	1/1	0.98	0.09	23,23,23,23	0
57	MG	2A	3049	1/1	0.98	0.11	41,41,41,41	0
57	MG	1A	3158	1/1	0.98	0.11	32,32,32,32	0
57	MG	1A	3741	1/1	0.98	0.06	27,27,27,27	0
57	MG	1A	3066	1/1	0.98	0.24	45,45,45,45	0
57	MG	1A	3202	1/1	0.98	0.18	39,39,39,39	0
57	MG	1A	4044	1/1	0.98	0.20	39,39,39,39	0
57	MG	1A	3653	1/1	0.98	0.04	33,33,33,33	0
57	MG	1F	305	1/1	0.98	0.13	34,34,34,34	0
57	MG	1A	3067	1/1	0.98	0.12	37,37,37,37	0
57	MG	1A	4047	1/1	0.98	0.16	26,26,26,26	0
57	MG	1A	3253	1/1	0.98	0.13	23,23,23,23	0
57	MG	1a	1755	1/1	0.98	0.07	47,47,47,47	0
57	MG	1F	309	1/1	0.98	0.12	31,31,31,31	0
57	MG	1A	3068	1/1	0.98	0.05	30,30,30,30	0
57	MG	2A	3222	1/1	0.98	0.20	37,37,37,37	0
57	MG	1F	311	1/1	0.98	0.05	54,54,54,54	0
57	MG	1A	3572	1/1	0.98	0.07	23,23,23,23	0
57	MG	2A	3552	1/1	0.98	0.07	40,40,40,40	0
57	MG	1A	3308	1/1	0.98	0.20	33,33,33,33	0
57	MG	1A	3309	1/1	0.98	0.16	32,32,32,32	0
57	MG	1a	1617	1/1	0.98	0.08	53,53,53,53	0
57	MG	1A	3310	1/1	0.98	0.15	36,36,36,36	0
57	MG	23	102	1/1	0.98	0.07	47,47,47,47	0
57	MG	2a	1774	1/1	0.98	0.06	52,52,52,52	0
57	MG	1A	3498	1/1	0.98	0.14	36,36,36,36	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	2A	3558	1/1	0.98	0.08	33,33,33,33	0
57	MG	1A	3129	1/1	0.98	0.12	25,25,25,25	0
57	MG	1A	3130	1/1	0.98	0.21	35,35,35,35	0
57	MG	1A	3580	1/1	0.98	0.07	27,27,27,27	0
57	MG	1A	3849	1/1	0.98	0.04	35,35,35,35	0
57	MG	1A	3011	1/1	0.98	0.04	25,25,25,25	0
57	MG	1a	1774	1/1	0.98	0.05	58,58,58,58	0
57	MG	1A	3209	1/1	0.98	0.12	29,29,29,29	0
57	MG	1N	203	1/1	0.98	0.06	41,41,41,41	0
57	MG	1A	3954	1/1	0.98	0.06	26,26,26,26	0
57	MG	2A	3396	1/1	0.98	0.27	54,54,54,54	0
57	MG	1A	3132	1/1	0.98	0.15	28,28,28,28	0
57	MG	1A	3668	1/1	0.98	0.10	28,28,28,28	0
57	MG	1A	4065	1/1	0.98	0.07	46,46,46,46	0
57	MG	1A	3854	1/1	0.98	0.08	45,45,45,45	0
57	MG	1A	3211	1/1	0.98	0.13	44,44,44,44	0
57	MG	1A	3044	1/1	0.98	0.09	32,32,32,32	0
57	MG	1A	3763	1/1	0.98	0.17	25,25,25,25	0
57	MG	1a	1636	1/1	0.98	0.14	55,55,55,55	0
57	MG	1A	3858	1/1	0.98	0.06	31,31,31,31	0
57	MG	1A	4071	1/1	0.98	0.04	49,49,49,49	0
57	MG	1P	202	1/1	0.98	0.18	30,30,30,30	0
57	MG	1P	203	1/1	0.98	0.12	33,33,33,33	0
57	MG	2A	3092	1/1	0.98	0.13	37,37,37,37	0
57	MG	1P	205	1/1	0.98	0.09	58,58,58,58	0
57	MG	1A	3511	1/1	0.98	0.06	24,24,24,24	0
57	MG	1a	1643	1/1	0.98	0.12	42,42,42,42	0
57	MG	1A	3134	1/1	0.98	0.14	33,33,33,33	0
57	MG	1a	1794	1/1	0.98	0.06	25,25,25,25	0
57	MG	1A	3036	1/1	0.98	0.20	29,29,29,29	0
57	MG	1Q	203	1/1	0.98	0.07	28,28,28,28	0
57	MG	2A	3590	1/1	0.98	0.04	40,40,40,40	0
57	MG	1a	1797	1/1	0.98	0.12	57,57,57,57	0
57	MG	1Q	204	1/1	0.98	0.05	42,42,42,42	0
57	MG	1A	3674	1/1	0.98	0.14	53,53,53,53	0
57	MG	1A	3015	1/1	0.98	0.08	47,47,47,47	0
57	MG	2A	3421	1/1	0.98	0.08	48,48,48,48	0
57	MG	1A	3590	1/1	0.98	0.08	22,22,22,22	0
57	MG	1A	3171	1/1	0.98	0.21	39,39,39,39	0
57	MG	1A	3173	1/1	0.98	0.26	38,38,38,38	0
57	MG	2A	3599	1/1	0.98	0.10	43,43,43,43	0
57	MG	2A	3600	1/1	0.98	0.06	38,38,38,38	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	1R	202	1/1	0.98	0.24	40,40,40,40	0
57	MG	1A	3517	1/1	0.98	0.44	45,45,45,45	0
57	MG	2A	3782	1/1	0.98	0.07	40,40,40,40	0
57	MG	1A	3971	1/1	0.98	0.06	39,39,39,39	0
57	MG	2A	3785	1/1	0.98	0.04	53,53,53,53	0
57	MG	1A	3137	1/1	0.98	0.10	44,44,44,44	0
57	MG	1A	3029	1/1	0.98	0.13	22,22,22,22	0
57	MG	1A	3975	1/1	0.98	0.07	50,50,50,50	0
57	MG	1A	3176	1/1	0.98	0.05	38,38,38,38	0
57	MG	1A	3274	1/1	0.98	0.04	31,31,31,31	0
57	MG	1A	3089	1/1	0.98	0.29	39,39,39,39	0
57	MG	2A	3436	1/1	0.98	0.04	25,25,25,25	0
57	MG	1A	3390	1/1	0.98	0.15	34,34,34,34	0
57	MG	1A	3687	1/1	0.98	0.07	47,47,47,47	0
57	MG	2A	3119	1/1	0.98	0.05	45,45,45,45	0
57	MG	1A	3878	1/1	0.98	0.09	36,36,36,36	0
57	MG	1A	3879	1/1	0.98	0.06	29,29,29,29	0
57	MG	2A	3799	1/1	0.98	0.06	64,64,64,64	0
57	MG	1A	3090	1/1	0.98	0.09	48,48,48,48	0
57	MG	1A	3525	1/1	0.98	0.07	49,49,49,49	0
57	MG	1A	3180	1/1	0.98	0.05	42,42,42,42	0
57	MG	1V	201	1/1	0.98	0.12	26,26,26,26	0
57	MG	1A	3986	1/1	0.98	0.06	28,28,28,28	0
57	MG	1A	3226	1/1	0.98	0.06	34,34,34,34	0
57	MG	1V	204	1/1	0.98	0.25	32,32,32,32	0
57	MG	1A	3059	1/1	0.98	0.07	32,32,32,32	0
57	MG	1A	3228	1/1	0.98	0.09	49,49,49,49	0
57	MG	1A	3030	1/1	0.98	0.26	34,34,34,34	0
57	MG	2a	1658	1/1	0.98	0.05	59,59,59,59	0
57	MG	2A	3132	1/1	0.98	0.10	40,40,40,40	0
57	MG	2A	3453	1/1	0.98	0.05	44,44,44,44	0
57	MG	1A	3531	1/1	0.98	0.16	33,33,33,33	0
57	MG	1A	3230	1/1	0.98	0.16	47,47,47,47	0
57	MG	2A	3814	1/1	0.98	0.06	62,62,62,62	0
57	MG	1W	202	1/1	0.98	0.12	36,36,36,36	0
57	MG	1W	203	1/1	0.98	0.14	45,45,45,45	0
60	ZN	1n	103	1/1	0.98	0.04	57,57,57,57	0
57	MG	1W	204	1/1	0.98	0.08	32,32,32,32	0
57	MG	2A	3633	1/1	0.98	0.05	42,42,42,42	0
60	ZN	25	106	1/1	0.98	0.04	57,57,57,57	0
57	MG	1A	3231	1/1	0.98	0.08	24,24,24,24	0
57	MG	1A	3183	1/1	0.98	0.09	22,22,22,22	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	1X	102	1/1	0.98	0.07	43,43,43,43	0
57	MG	1A	3400	1/1	0.98	0.08	40,40,40,40	0
57	MG	2A	3143	1/1	0.98	0.08	35,35,35,35	0
57	MG	18	103	1/1	0.99	0.11	44,44,44,44	0
57	MG	1A	3859	1/1	0.99	0.06	34,34,34,34	0
57	MG	1a	1728	1/1	0.99	0.19	40,40,40,40	0
57	MG	1A	3257	1/1	0.99	0.19	31,31,31,31	0
57	MG	1A	3677	1/1	0.99	0.03	28,28,28,28	0
57	MG	1A	3345	1/1	0.99	0.15	29,29,29,29	0
57	MG	1A	3051	1/1	0.99	0.08	35,35,35,35	0
57	MG	1A	3207	1/1	0.99	0.17	32,32,32,32	0
57	MG	1A	3035	1/1	0.99	0.12	28,28,28,28	0
57	MG	1A	3053	1/1	0.99	0.04	21,21,21,21	0
57	MG	2A	3795	1/1	0.99	0.08	38,38,38,38	0
57	MG	1A	3012	1/1	0.99	0.07	15,15,15,15	0
57	MG	2A	3103	1/1	0.99	0.06	28,28,28,28	0
57	MG	2A	3559	1/1	0.99	0.04	38,38,38,38	0
57	MG	1X	101	1/1	0.99	0.22	33,33,33,33	0
57	MG	1A	3092	1/1	0.99	0.04	21,21,21,21	0
57	MG	1A	3152	1/1	0.99	0.08	12,12,12,12	0
57	MG	1A	3191	1/1	0.99	0.15	30,30,30,30	0
57	MG	1A	3025	1/1	0.99	0.14	31,31,31,31	0
57	MG	1A	3355	1/1	0.99	0.13	36,36,36,36	0
57	MG	1a	1743	1/1	0.99	0.04	47,47,47,47	0
57	MG	1A	3922	1/1	0.99	0.06	42,42,42,42	0
57	MG	1A	3873	1/1	0.99	0.05	32,32,32,32	0
57	MG	1A	3974	1/1	0.99	0.05	28,28,28,28	0
57	MG	1A	3172	1/1	0.99	0.21	31,31,31,31	0
57	MG	1A	3875	1/1	0.99	0.04	15,15,15,15	0
57	MG	1A	3003	1/1	0.99	0.05	27,27,27,27	0
57	MG	1A	3217	1/1	0.99	0.13	30,30,30,30	0
57	MG	1A	3649	1/1	0.99	0.02	14,14,14,14	0
57	MG	1P	201	1/1	0.99	0.17	36,36,36,36	0
57	MG	1D	308	1/1	0.99	0.10	36,36,36,36	0
57	MG	1A	3326	1/1	0.99	0.12	36,36,36,36	0
57	MG	1P	204	1/1	0.99	0.21	30,30,30,30	0
57	MG	2A	3424	1/1	0.99	0.07	21,21,21,21	0
57	MG	1A	3009	1/1	0.99	0.08	25,25,25,25	0
57	MG	1A	3328	1/1	0.99	0.11	39,39,39,39	0
57	MG	1A	3058	1/1	0.99	0.11	35,35,35,35	0
57	MG	1A	3220	1/1	0.99	0.17	31,31,31,31	0
57	MG	1A	3157	1/1	0.99	0.06	28,28,28,28	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
57	MG	1A	3125	1/1	0.99	0.05	14,14,14,14	0
57	MG	1E	302	1/1	0.99	0.13	29,29,29,29	0
57	MG	1a	1631	1/1	0.99	0.10	24,24,24,24	0
57	MG	1a	1764	1/1	0.99	0.05	61,61,61,61	0
57	MG	1a	1765	1/1	0.99	0.06	51,51,51,51	0
57	MG	1a	1766	1/1	0.99	0.05	51,51,51,51	0
57	MG	1A	3700	1/1	0.99	0.10	28,28,28,28	0
57	MG	1A	3576	1/1	0.99	0.08	24,24,24,24	0
57	MG	2a	1742	1/1	0.99	0.05	59,59,59,59	0
57	MG	2A	3136	1/1	0.99	0.05	40,40,40,40	0
57	MG	2X	102	1/1	0.99	0.12	51,51,51,51	0
57	MG	1a	1698	1/1	0.99	0.14	33,33,33,33	0
57	MG	1A	3499	1/1	0.99	0.07	28,28,28,28	0
57	MG	1A	3019	1/1	0.99	0.04	42,42,42,42	0
57	MG	1A	3991	1/1	0.99	0.06	54,54,54,54	0
57	MG	1A	3501	1/1	0.99	0.16	30,30,30,30	0
57	MG	1A	3502	1/1	0.99	0.14	33,33,33,33	0
57	MG	1A	3179	1/1	0.99	0.11	23,23,23,23	0
57	MG	2A	3069	1/1	0.99	0.04	30,30,30,30	0
57	MG	1A	3752	1/1	0.99	0.05	23,23,23,23	0
57	MG	1A	3707	1/1	0.99	0.11	35,35,35,35	0
57	MG	1A	3160	1/1	0.99	0.03	32,32,32,32	0
57	MG	1A	4050	1/1	0.99	0.05	50,50,50,50	0
57	MG	1A	3041	1/1	0.99	0.04	32,32,32,32	0
57	MG	1U	201	1/1	0.99	0.07	33,33,33,33	0
57	MG	1A	3469	1/1	0.99	0.14	33,33,33,33	0
57	MG	1A	3624	1/1	0.99	0.03	30,30,30,30	0
57	MG	2A	3767	1/1	0.99	0.04	48,48,48,48	0
57	MG	1F	302	1/1	0.99	0.10	33,33,33,33	0
57	MG	1A	3085	1/1	0.99	0.10	19,19,19,19	0
57	MG	1A	3034	1/1	0.99	0.08	22,22,22,22	0
57	MG	1A	3510	1/1	0.99	0.06	35,35,35,35	0
57	MG	17	102	1/1	0.99	0.09	29,29,29,29	0
57	MG	1U	208	1/1	0.99	0.18	31,31,31,31	0
57	MG	1A	3062	1/1	0.99	0.06	15,15,15,15	0
60	ZN	1Y	203	1/1	0.99	0.03	66,66,66,66	0
57	MG	2A	3775	1/1	0.99	0.11	43,43,43,43	0
60	ZN	15	108	1/1	0.99	0.02	41,41,41,41	0
57	MG	1A	3340	1/1	0.99	0.10	23,23,23,23	0
57	MG	2A	3013	1/1	0.99	0.06	44,44,44,44	0
57	MG	1A	3254	1/1	0.99	0.14	30,30,30,30	0
57	MG	1A	3631	1/1	0.99	0.02	27,27,27,27	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
60	ZN	29	102	1/1	0.99	0.03	61,61,61,61	0
57	MG	2A	3466	1/1	0.99	0.04	69,69,69,69	0
61	SF4	1d	302	8/8	0.99	0.04	54,57,62,67	0
61	SF4	2d	303	8/8	0.99	0.05	62,68,72,74	0
57	MG	1A	3255	1/1	0.99	0.12	35,35,35,35	0
57	MG	1a	1724	1/1	0.99	0.05	50,50,50,50	0
57	MG	2A	3783	1/1	0.99	0.06	39,39,39,39	0
57	MG	1A	3256	1/1	0.99	0.10	31,31,31,31	0
60	ZN	19	102	1/1	1.00	0.03	40,40,40,40	0
57	MG	2A	3674	1/1	1.00	0.06	35,35,35,35	0
57	MG	1A	3013	1/1	1.00	0.04	28,28,28,28	0
57	MG	1a	1772	1/1	1.00	0.02	53,53,53,53	0
57	MG	1A	3143	1/1	1.00	0.12	25,25,25,25	0
60	ZN	26	102	1/1	1.00	0.02	51,51,51,51	0
60	ZN	16	102	1/1	1.00	0.02	42,42,42,42	0

6.5 Other polymers [i](#)

There are no such residues in this entry.