



wwPDB X-ray Structure Validation Summary Report ⓘ

Feb 4, 2025 – 08:31 AM EST

PDB ID : 4Y4P
Title : Crystal structure of the Thermus thermophilus 70S ribosome with rRNA modifications and bound to mRNA and A-, P- and E-site tRNAs at 2.5Å resolution
Authors : Polikanov, Y.S.; Melnikov, S.V.; Soll, D.; Steitz, T.A.
Deposited on : 2015-02-10
Resolution : 2.50 Å(reported)

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

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

A user guide is available at

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

with specific help available everywhere you see the ⓘ symbol.

The types of validation reports are described at

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

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

MolProbity	:	4.02b-467
Mogul	:	2022.3.0, CSD as543be (2022)
Xtriage (Phenix)	:	1.21
EDS	:	3.0
Percentile statistics	:	20231227.v01 (using entries in the PDB archive December 27th 2023)
CCP4	:	9.0.004 (Gargrove)
Density-Fitness	:	1.0.11
Ideal geometry (proteins)	:	Engh & Huber (2001)
Ideal geometry (DNA, RNA)	:	Parkinson et al. (1996)
Validation Pipeline (wwPDB-VP)	:	2.40

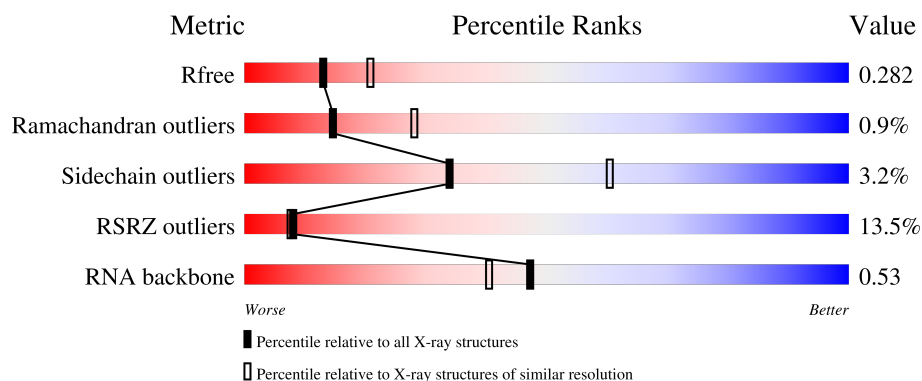
1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

X-RAY DIFFRACTION

The reported resolution of this entry is 2.50 Å.

Percentile scores (ranging between 0-100) for global validation metrics of the entry are shown in the following graphic. The table shows the number of entries on which the scores are based.



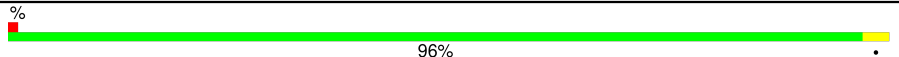
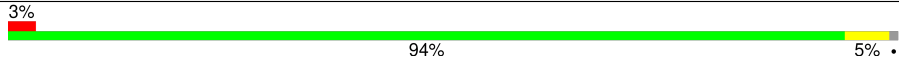
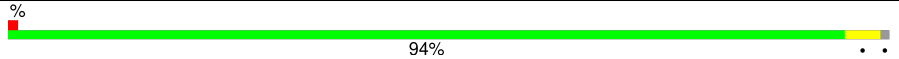
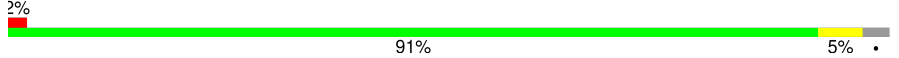
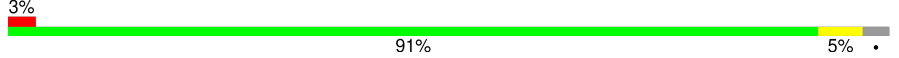
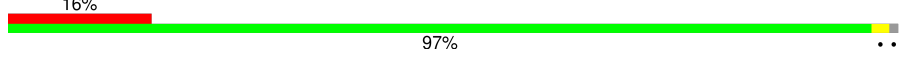
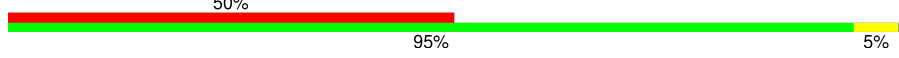
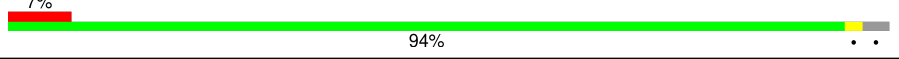
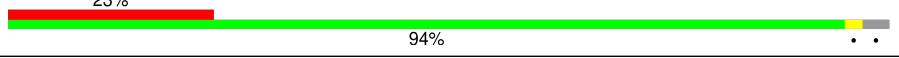
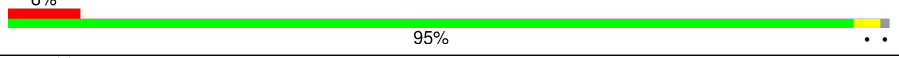
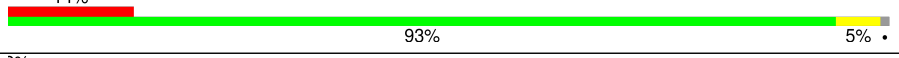
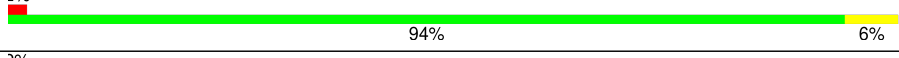
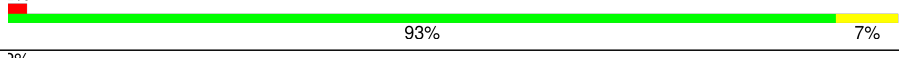
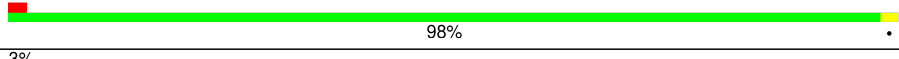
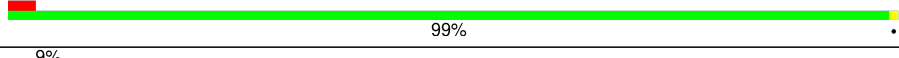
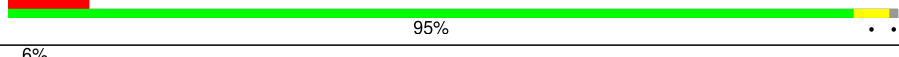
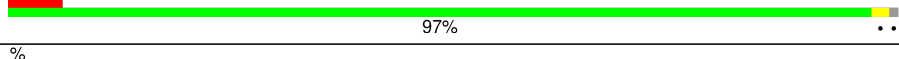
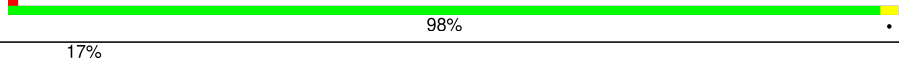
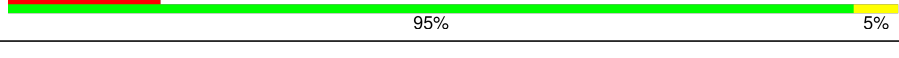
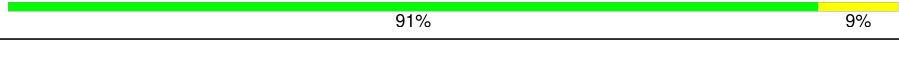
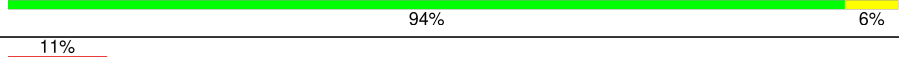
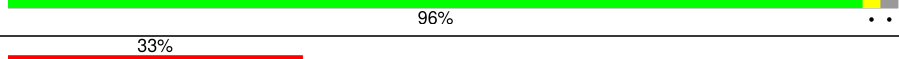
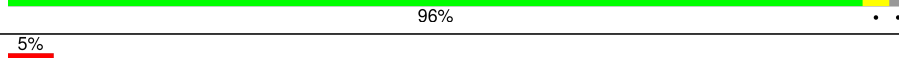

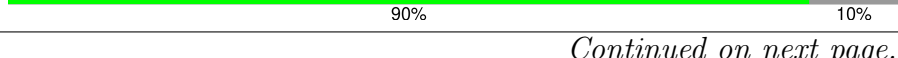
Metric	Whole archive (#Entries)	Similar resolution (#Entries, resolution range(Å))
R_{free}	164625	5504 (2.50-2.50)
Ramachandran outliers	177936	6191 (2.50-2.50)
Sidechain outliers	177891	6193 (2.50-2.50)
RSRZ outliers	164620	5504 (2.50-2.50)
RNA backbone	3690	1181 (2.80-2.20)

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

Mol	Chain	Length	Quality of chain
1	1A	2915	<div> <div>6%</div> <div> <div></div> <div>81%</div> <div>16%</div> <div>..</div> </div> </div>
1	2A	2915	<div> <div>4%</div> <div> <div></div> <div>77%</div> <div>18%</div> <div>..</div> </div> </div>
2	1B	121	<div> <div>%</div> <div> <div></div> <div>89%</div> <div>9%</div> <div>..</div> </div> </div>
2	2B	121	<div> <div>12%</div> <div> <div></div> <div>68%</div> <div>31%</div> <div>..</div> </div> </div>
3	1D	276	<div> <div>%</div> <div> <div></div> <div>97%</div> <div>.</div> </div> </div>

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

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Mol	Chain	Length	Quality of chain
16	1U	118	
16	2U	118	
17	1V	101	
17	2V	101	
18	1W	113	
18	2W	113	
19	1X	96	
19	2X	96	
20	1Y	110	
20	2Y	110	
21	1Z	206	
21	2Z	206	
22	10	85	
22	20	85	
23	11	98	
23	21	98	
24	12	72	
24	22	72	
25	13	60	
25	23	60	
26	14	71	
26	24	71	
27	15	60	
27	25	60	
28	16	54	

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

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Mol	Chain	Length	Quality of chain
41	1j	105	
41	2j	105	
42	1k	129	
42	2k	129	
43	1l	132	
43	2l	132	
44	1m	126	
44	2m	126	
45	1n	61	
45	2n	61	
46	1o	89	
46	2o	89	
47	1p	88	
47	2p	88	
48	1q	105	
48	2q	105	
49	1r	88	
49	2r	88	
50	1s	93	
50	2s	93	
51	1t	106	
51	2t	106	
52	1u	27	
52	2u	27	
53	1v	24	

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

2 Entry composition

There are 60 unique types of molecules in this entry. The entry contains 300910 atoms, of which 0 are hydrogens and 0 are deuteriums.

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

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
1	1A	2871	Total	C	N	O	P	0	0	0
			61852	27531	11572	19878	2871			
1	2A	2800	Total	C	N	O	P	0	0	0
			60322	26848	11284	19390	2800			

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

- Molecule 53 is a RNA chain called mRNA.

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

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

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

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

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

- Molecule 56 is MAGNESIUM ION (three-letter code: MG) (formula: Mg).

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
56	1A	1141	Total	Mg	0	0
			1141	1141		
56	1B	37	Total	Mg	0	0
			37	37		
56	1D	12	Total	Mg	0	0
			12	12		
56	1E	11	Total	Mg	0	0
			11	11		
56	1F	8	Total	Mg	0	0
			8	8		
56	1G	5	Total	Mg	0	0
			5	5		
56	1I	1	Total	Mg	0	0
			1	1		
56	1N	6	Total	Mg	0	0
			6	6		

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
56	1O	7	Total 7	Mg 7	0	0
56	1P	4	Total 4	Mg 4	0	0
56	1Q	6	Total 6	Mg 6	0	0
56	1R	3	Total 3	Mg 3	0	0
56	1S	3	Total 3	Mg 3	0	0
56	1T	2	Total 2	Mg 2	0	0
56	1U	8	Total 8	Mg 8	0	0
56	1V	3	Total 3	Mg 3	0	0
56	1W	5	Total 5	Mg 5	0	0
56	1X	6	Total 6	Mg 6	0	0
56	1Y	3	Total 3	Mg 3	0	0
56	1Z	3	Total 3	Mg 3	0	0
56	10	6	Total 6	Mg 6	0	0
56	11	3	Total 3	Mg 3	0	0
56	12	1	Total 1	Mg 1	0	0
56	13	3	Total 3	Mg 3	0	0
56	15	2	Total 2	Mg 2	0	0
56	16	3	Total 3	Mg 3	0	0
56	17	1	Total 1	Mg 1	0	0
56	18	3	Total 3	Mg 3	0	0
56	19	2	Total 2	Mg 2	0	0

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
56	1a	229	Total 229	Mg 229	0	0
56	1b	2	Total 2	Mg 2	0	0
56	1d	1	Total 1	Mg 1	0	0
56	1e	1	Total 1	Mg 1	0	0
56	1f	2	Total 2	Mg 2	0	0
56	1l	3	Total 3	Mg 3	0	0
56	1n	2	Total 2	Mg 2	0	0
56	1s	1	Total 1	Mg 1	0	0
56	1t	1	Total 1	Mg 1	0	0
56	1v	1	Total 1	Mg 1	0	0
56	1w	11	Total 11	Mg 11	0	0
56	1x	16	Total 16	Mg 16	0	0
56	1y	4	Total 4	Mg 4	0	0
56	2A	909	Total 909	Mg 909	0	0
56	2B	21	Total 21	Mg 21	0	0
56	2D	5	Total 5	Mg 5	0	0
56	2E	9	Total 9	Mg 9	0	0
56	2F	4	Total 4	Mg 4	0	0
56	2G	1	Total 1	Mg 1	0	0
56	2N	1	Total 1	Mg 1	0	0
56	2O	1	Total 1	Mg 1	0	0

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
56	2P	1	Total 1	Mg 1	0	0
56	2Q	3	Total 3	Mg 3	0	0
56	2R	1	Total 1	Mg 1	0	0
56	2T	3	Total 3	Mg 3	0	0
56	2U	4	Total 4	Mg 4	0	0
56	2V	1	Total 1	Mg 1	0	0
56	2W	3	Total 3	Mg 3	0	0
56	2X	3	Total 3	Mg 3	0	0
56	2Y	1	Total 1	Mg 1	0	0
56	2Z	1	Total 1	Mg 1	0	0
56	20	3	Total 3	Mg 3	0	0
56	23	2	Total 2	Mg 2	0	0
56	25	4	Total 4	Mg 4	0	0
56	27	1	Total 1	Mg 1	0	0
56	28	2	Total 2	Mg 2	0	0
56	2a	244	Total 244	Mg 244	0	0
56	2d	1	Total 1	Mg 1	0	0
56	2e	1	Total 1	Mg 1	0	0
56	2f	1	Total 1	Mg 1	0	0
56	2g	1	Total 1	Mg 1	0	0
56	2i	1	Total 1	Mg 1	0	0

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
56	2j	2	Total 2	Mg 2	0	0
56	2l	2	Total 2	Mg 2	0	0
56	2n	1	Total 1	Mg 1	0	0
56	2q	2	Total 2	Mg 2	0	0
56	2r	2	Total 2	Mg 2	0	0
56	2t	1	Total 1	Mg 1	0	0
56	2v	2	Total 2	Mg 2	0	0
56	2w	8	Total 8	Mg 8	0	0
56	2x	5	Total 5	Mg 5	0	0
56	2y	7	Total 7	Mg 7	0	0

- Molecule 57 is POTASSIUM ION (three-letter code: K) (formula: K).

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
57	1A	1	Total 1	K 1	0	0
57	2A	1	Total 1	K 1	0	0

- Molecule 58 is ZINC ION (three-letter code: ZN) (formula: Zn).

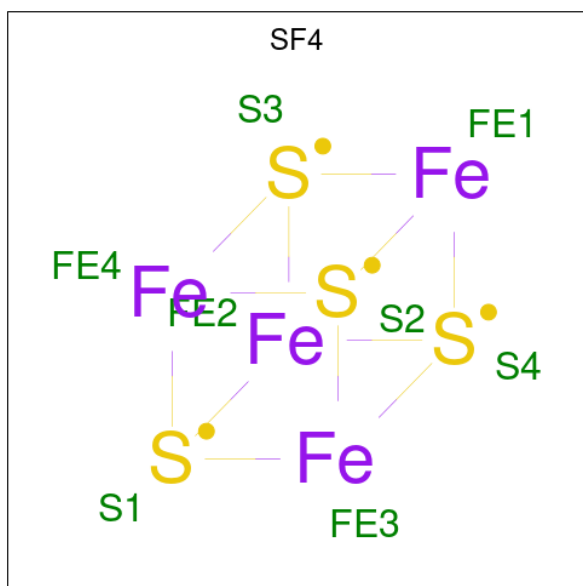
Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
58	1Y	1	Total 1	Zn 1	0	0
58	14	1	Total 1	Zn 1	0	0
58	15	1	Total 1	Zn 1	0	0
58	16	1	Total 1	Zn 1	0	0
58	19	1	Total 1	Zn 1	0	0

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

- Molecule 59 is IRON/SULFUR CLUSTER (three-letter code: SF4) (formula: Fe_4S_4).



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

- Molecule 60 is water.

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
60	1A	2238	Total 2238	O 2238	0	0
60	1B	68	Total 68	O 68	0	0
60	1D	28	Total 28	O 28	0	0
60	1E	28	Total 28	O 28	0	0
60	1F	13	Total 13	O 13	0	0
60	1G	7	Total 7	O 7	0	0
60	1H	2	Total 2	O 2	0	0
60	1I	3	Total 3	O 3	0	0
60	1N	7	Total 7	O 7	0	0
60	1O	8	Total 8	O 8	0	0
60	1P	23	Total 23	O 23	0	0
60	1Q	14	Total 14	O 14	0	0
60	1R	14	Total 14	O 14	0	0
60	1S	5	Total 5	O 5	0	0
60	1T	8	Total 8	O 8	0	0
60	1U	11	Total 11	O 11	0	0
60	1V	9	Total 9	O 9	0	0
60	1W	6	Total 6	O 6	0	0
60	1X	8	Total 8	O 8	0	0
60	1Y	4	Total 4	O 4	0	0
60	1Z	1	Total 1	O 1	0	0
60	10	12	Total 12	O 12	0	0

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
60	11	10	Total 10	O 10	0	0
60	12	4	Total 4	O 4	0	0
60	13	6	Total 6	O 6	0	0
60	14	1	Total 1	O 1	0	0
60	15	6	Total 6	O 6	0	0
60	16	3	Total 3	O 3	0	0
60	17	9	Total 9	O 9	0	0
60	18	13	Total 13	O 13	0	0
60	1a	438	Total 438	O 438	0	0
60	1b	1	Total 1	O 1	0	0
60	1d	1	Total 1	O 1	0	0
60	1e	1	Total 1	O 1	0	0
60	1f	1	Total 1	O 1	0	0
60	1g	1	Total 1	O 1	0	0
60	1i	1	Total 1	O 1	0	0
60	1l	8	Total 8	O 8	0	0
60	1m	2	Total 2	O 2	0	0
60	1o	1	Total 1	O 1	0	0
60	1p	1	Total 1	O 1	0	0
60	1q	4	Total 4	O 4	0	0
60	1u	1	Total 1	O 1	0	0

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
60	1v	5	Total 5	O 5	0	0
60	1w	21	Total 21	O 21	0	0
60	1x	15	Total 15	O 15	0	0
60	1y	1	Total 1	O 1	0	0
60	2A	1389	Total 1389	O 1389	0	0
60	2B	26	Total 26	O 26	0	0
60	2D	28	Total 28	O 28	0	0
60	2E	16	Total 16	O 16	0	0
60	2F	16	Total 16	O 16	0	0
60	2H	1	Total 1	O 1	0	0
60	2I	4	Total 4	O 4	0	0
60	2N	1	Total 1	O 1	0	0
60	2P	14	Total 14	O 14	0	0
60	2Q	2	Total 2	O 2	0	0
60	2R	2	Total 2	O 2	0	0
60	2T	6	Total 6	O 6	0	0
60	2U	2	Total 2	O 2	0	0
60	2V	2	Total 2	O 2	0	0
60	2W	2	Total 2	O 2	0	0
60	2X	5	Total 5	O 5	0	0
60	2Y	1	Total 1	O 1	0	0

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
60	2Z	2	Total 2	O 2	0	0
60	20	7	Total 7	O 7	0	0
60	21	12	Total 12	O 12	0	0
60	22	1	Total 1	O 1	0	0
60	23	1	Total 1	O 1	0	0
60	25	4	Total 4	O 4	0	0
60	26	1	Total 1	O 1	0	0
60	27	4	Total 4	O 4	0	0
60	28	6	Total 6	O 6	0	0
60	29	1	Total 1	O 1	0	0
60	2a	377	Total 377	O 377	0	0
60	2d	1	Total 1	O 1	0	0
60	2e	2	Total 2	O 2	0	0
60	2g	1	Total 1	O 1	0	0
60	2i	1	Total 1	O 1	0	0
60	2j	4	Total 4	O 4	0	0
60	2l	5	Total 5	O 5	0	0
60	2o	1	Total 1	O 1	0	0
60	2p	2	Total 2	O 2	0	0
60	2q	1	Total 1	O 1	0	0
60	2r	1	Total 1	O 1	0	0

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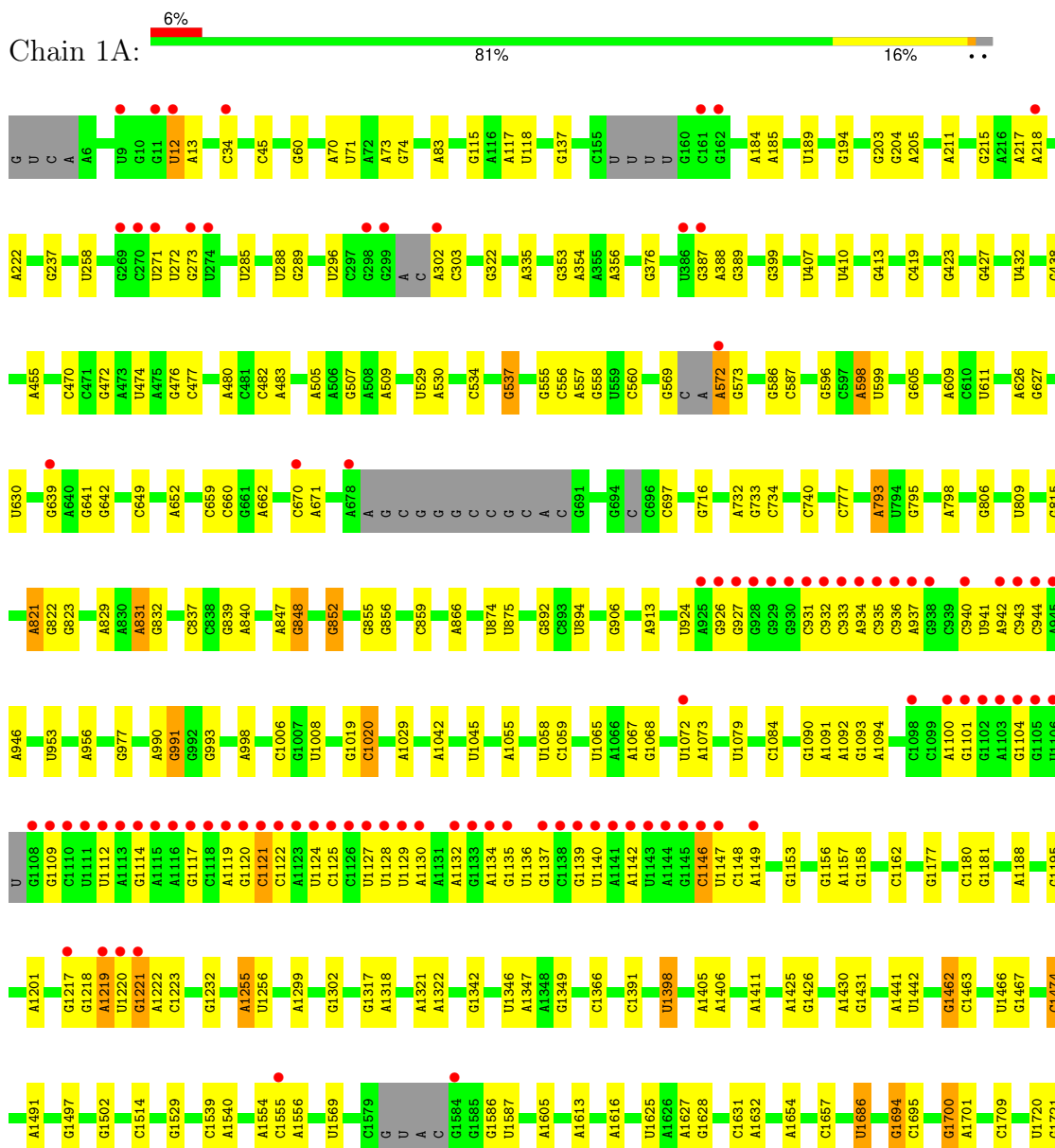
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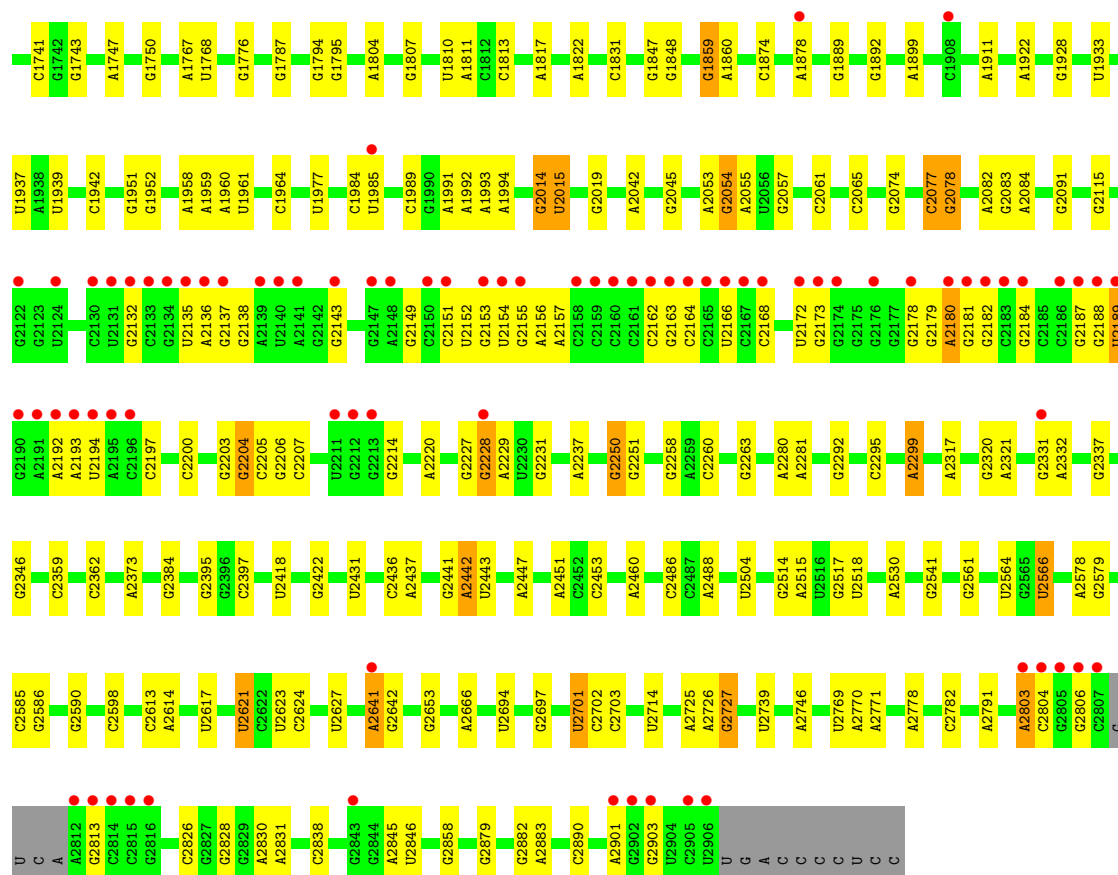
Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
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60	2u	1	Total 1	O 1	0	0
60	2v	1	Total 1	O 1	0	0
60	2w	2	Total 2	O 2	0	0
60	2x	7	Total 7	O 7	0	0
60	2y	19	Total 19	O 19	0	0

3 Residue-property plots [i](#)

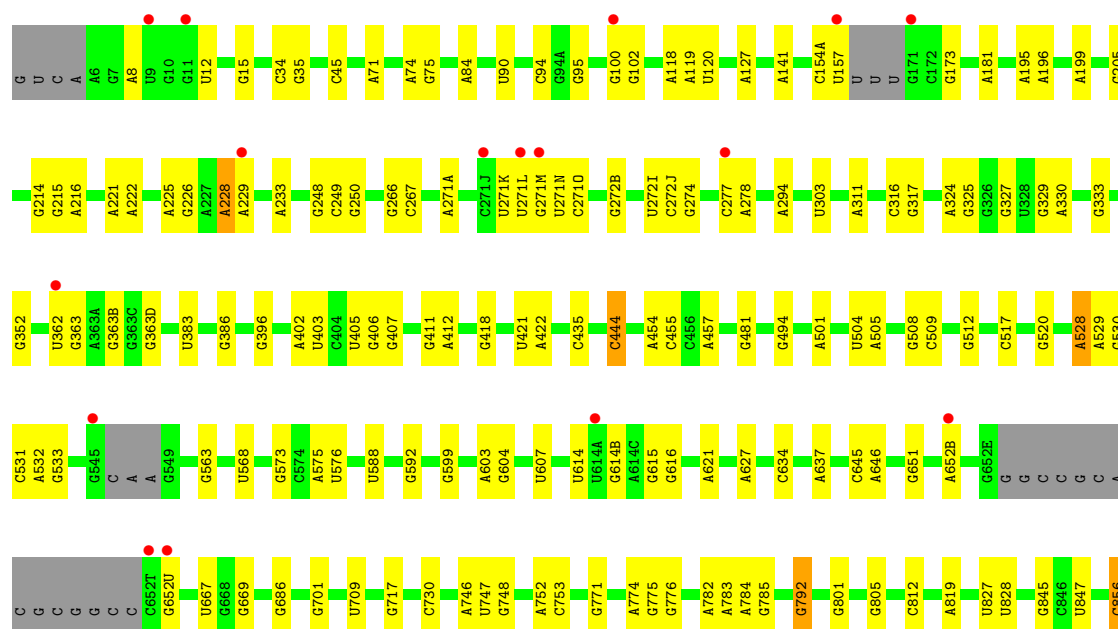
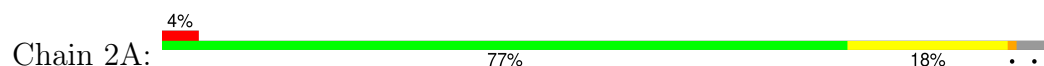
These plots are drawn for all protein, RNA, DNA and oligosaccharide chains in the entry. The first graphic for a chain summarises the proportions of the various outlier classes displayed in the second graphic. The second graphic shows the sequence view annotated by issues in geometry and electron density.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

• Molecule 1: 23S Ribosomal RNA





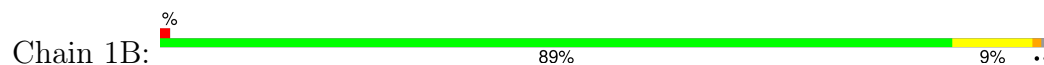
• Molecule 1: 23S Ribosomal RNA



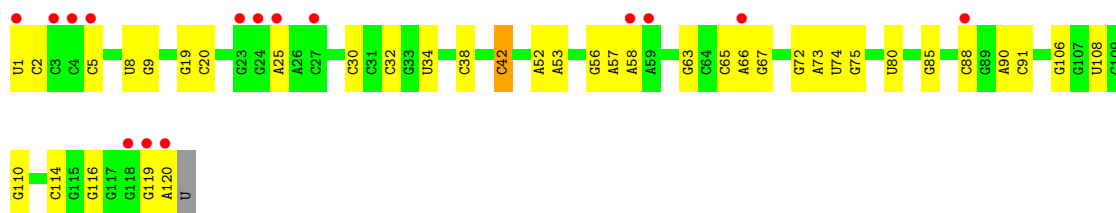
U2712	C2474	C2326	A2173	U1931	G1474A	U1514	U1352	G1170	A	C961	C857
A2712A	C2475	A2327	C2174	A2113	G1756	U1514	A1352	G1171	G	G974	U858
A2713	C2476	A2328	C2175	A2114	U1757	C1530	A1359	G	C	C975	G859
G2714	C2477	A2329	A2176	G2115	G1758	C1531	A1360	A	C	A	A866
U2726	A2478	G2334	C2177	A2117	U1759	C1532	A1365	U	U	A883	G869
A2733	G2490	A2335	C2178	A2118	A1762	C1533	G1368	A	C	A966	A870
U2739	U2491	A2336	C2185	G2120	G1764	U	G1369	C1178	U	G997	G874
G2744	U2492	G2341	U2189	U1955	U1769	A	G1371	C1180	U	C998	G875
G2751	G2502	A2346	G2192	C1962	A1773	C1536	U1372	U1188	A	U1012	A878
A2758	A2503	C2347	A2198	U1963	A1780	G1543	G1377	U1205	A	C1013	G879
A2764	G2505	C2350	G2206	C1967	C1781	C1547	G1384	G1206	G	G1017	G880
A2765	U2506	G2354	G2207	A1970	C1782	A1558	A1386	U1210	A	A1020	G881
G2766	A2518	C2363	A2208	A1971	A1786	A1569	C1386	U1211	U	A1021	G882
A2778	G2520	A2376	U2218	A1972	U1791	U1578	C1411	C1218	C	G1022	G884
C2789	G2525	A2383	A2225	G1992	C1800	A1579	G1416	G1219	G	G1025	G885
A	G2526	G2384	U2232	U1983	G1801	A1580	C1417	A1220	U	U1026	G886
C	U2552	C2385	G2235	G1997	A1811	A1586	U1420	C1224	A	U1033	G887
G2792	G2553	C2403	G2239	A2020	A1812	A1597	G1421	A1237	U	C1038	G888
G2793	G2554	U2406	G2251	G2023	G1816	A1608	A1427	G1248	G	G1039	C893
G2794	U2555	G2410	G2275	G2027	G1828	A1609	C1435	G1249	U	C1040	C894
U	A2566	G2419	G2279	A2031	G1835	A1610	G1436	C1252	C	G1041	U895
C	G2567	U2419	G2283	G2032	G1839	A1616	C1437	A1253	U	C1042	A896
A2801A	C2573	A2425	A2287	C2043	A1847	U1629	A1445	G1256	A	C1043	G897
G2802	G2578	A2426	G2295	G2046	A1848	G1647	A1449	G1268	C	A	G898
C2804	C2427	G2428	U2296	G2055	G1857	C1648	G1450	A1271	G	A	A899
G2805	G2429	A2430	C2297	G2056	A1877	G1653	A1460	U1272	C	A	A900
G2807	A2434	A2435	G2302	A2060	G1878	A1654	C1467	U1273	A	G	A901
G2818	A2439	A2440	G2303	G2061	A1889	G1674	A1471	G1279	C	C	A910
A2820	C2441	G2445	G2304	A2062	A1900	G1696	G1482	A1287	G	A	A911
A2821	G2449	A2448	A2305	G2069	A1906	A1698	A1490	U1300	U	G	C912
C2824	G2458	G2459	G2313	U2099	U1911	G1697	C1493	A1301	G	A	G928
G2833	C2465	C2466	G2318	C2105	A1912	A1699	A1494	G1302	G	G	G932
G2836	C2465	C2466	G2319	G2106	C1913	A1700	A1495	G1303	U	U	A933
G2839	C2465	C2466	G2320	C2107	C1914	G1703	A1496	U1309	C	C	A941
G2872	C2465	C2466	G2321	C2108	A1915	G1721	U1497	G1335	U	A	G944
C2879	G2468	A2469	G2324	U2189	U1917	A1732	A1508	G1336	U	U	G946
C2880	A2469	U2473	G2325	G2110	G1929	G1740	C1509	G1139	C	A	A953
G2894	U2689			G2112	G1930	G1746	G1747	U1142	A	A	U958
U2895								G1166	G	G	A959
								G1169	C	C	A960



- Molecule 2: 5S Ribosomal RNA



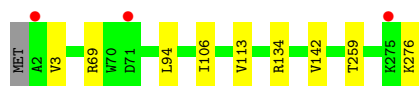
- Molecule 2: 5S Ribosomal RNA



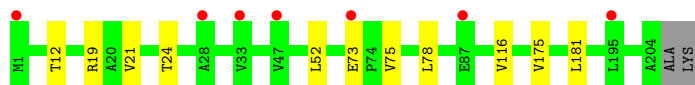
- Molecule 3: 50S ribosomal protein L2



- Molecule 3: 50S ribosomal protein L2

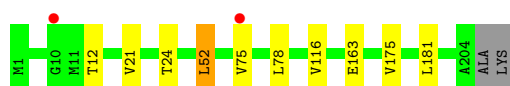


- Molecule 4: 50S ribosomal protein L3



- Molecule 4: 50S ribosomal protein L3





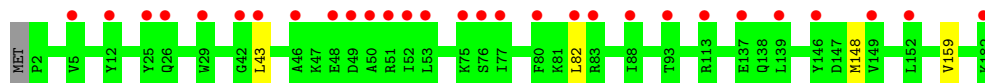
- Molecule 5: 50S ribosomal protein L4



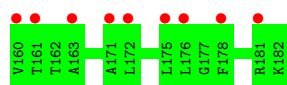
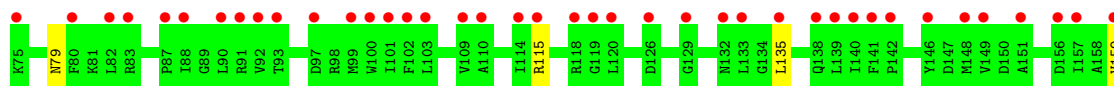
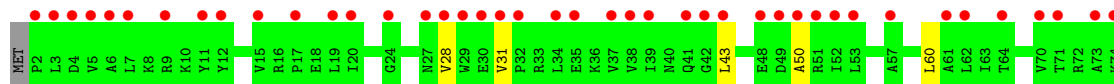
- Molecule 5: 50S ribosomal protein L4



- Molecule 6: 50S ribosomal protein L5



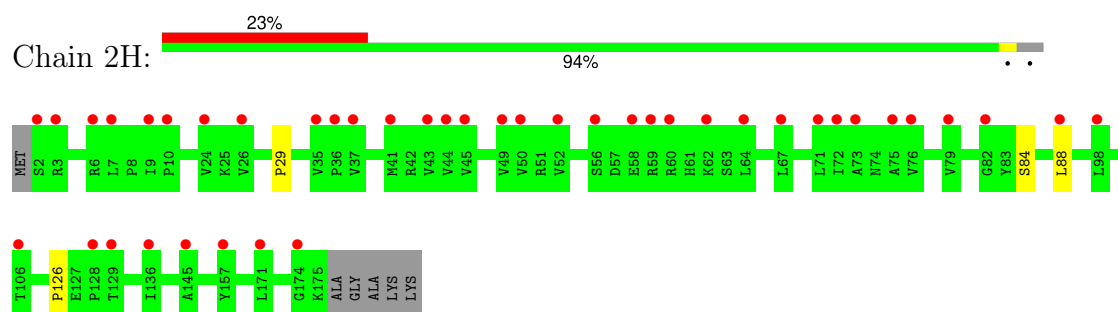
- Molecule 6: 50S ribosomal protein L5



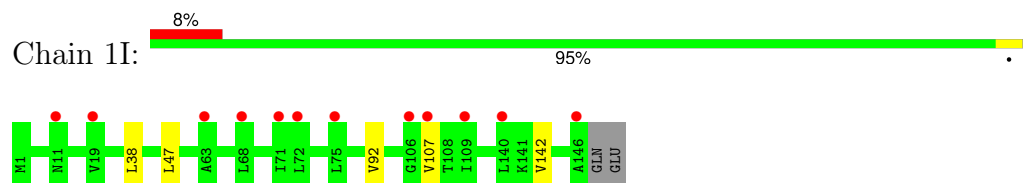
- Molecule 7: 50S ribosomal protein L6



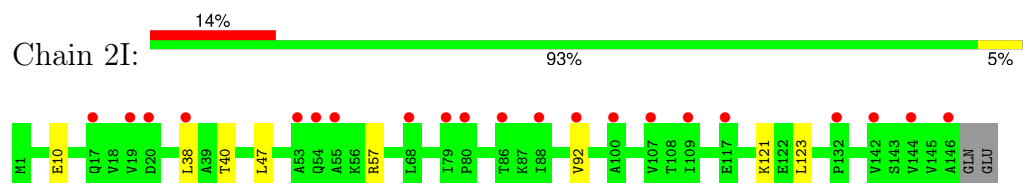
- Molecule 7: 50S ribosomal protein L6



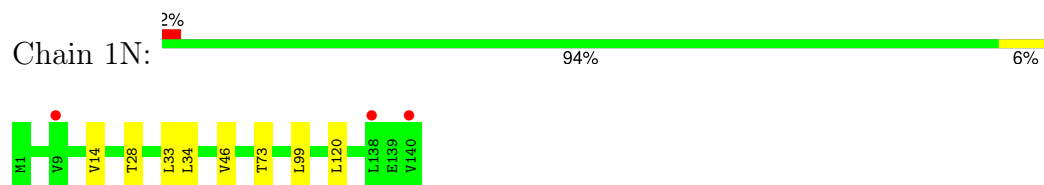
- Molecule 8: 50S ribosomal protein L9



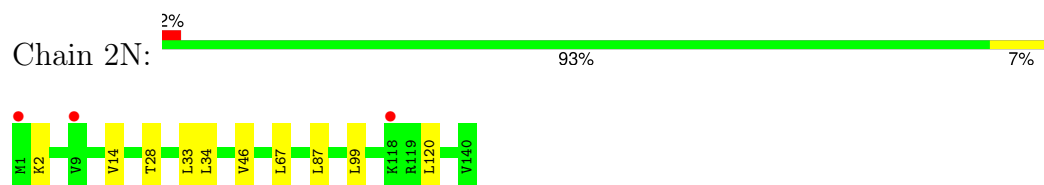
- Molecule 8: 50S ribosomal protein L9



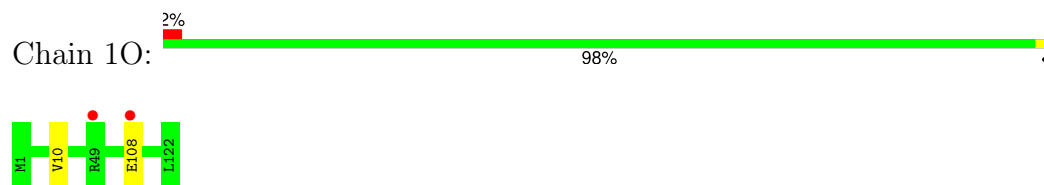
- Molecule 9: 50S ribosomal protein L13



- Molecule 9: 50S ribosomal protein L13



- Molecule 10: 50S ribosomal protein L14

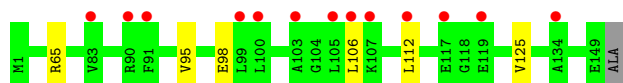


- Molecule 10: 50S ribosomal protein L14





- Molecule 11: 50S ribosomal protein L15



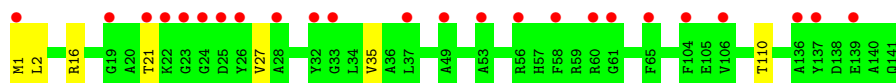
- Molecule 11: 50S ribosomal protein L15



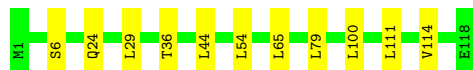
- Molecule 12: 50S ribosomal protein L16



- Molecule 12: 50S ribosomal protein L16



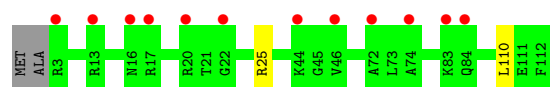
- Molecule 13: 50S ribosomal protein L17



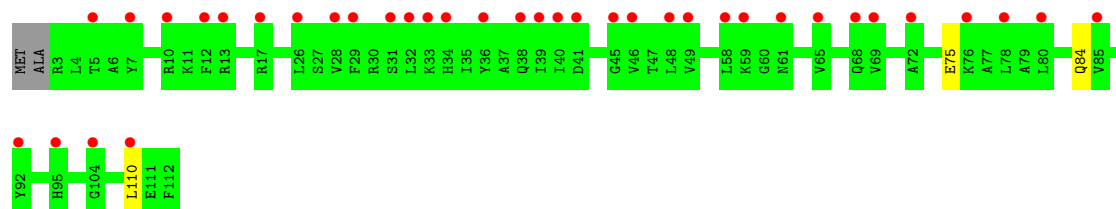
- Molecule 13: 50S ribosomal protein L17



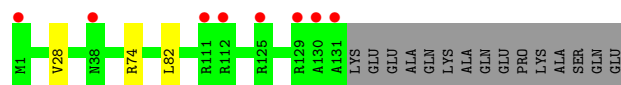
- Molecule 14: 50S ribosomal protein L18



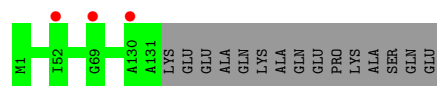
- Molecule 14: 50S ribosomal protein L18



- Molecule 15: 50S ribosomal protein L19



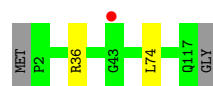
- Molecule 15: 50S ribosomal protein L19



- Molecule 16: 50S ribosomal protein L20



- Molecule 16: 50S ribosomal protein L20



- Molecule 17: 50S ribosomal protein L21





- Molecule 17: 50S ribosomal protein L21



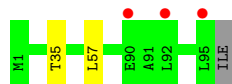
- Molecule 18: 50S ribosomal protein L22



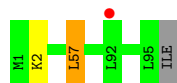
- Molecule 18: 50S ribosomal protein L22



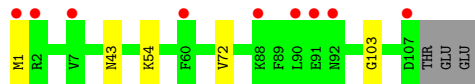
- Molecule 19: 50S ribosomal protein L23



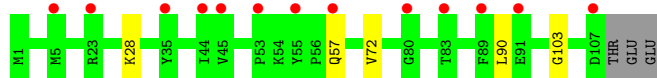
- Molecule 19: 50S ribosomal protein L23



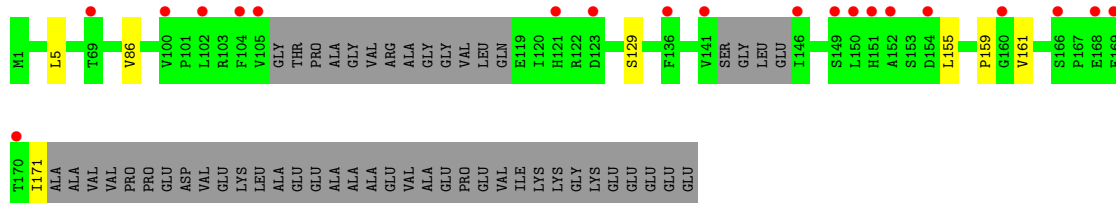
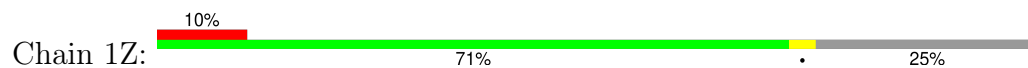
- Molecule 20: 50S ribosomal protein L24



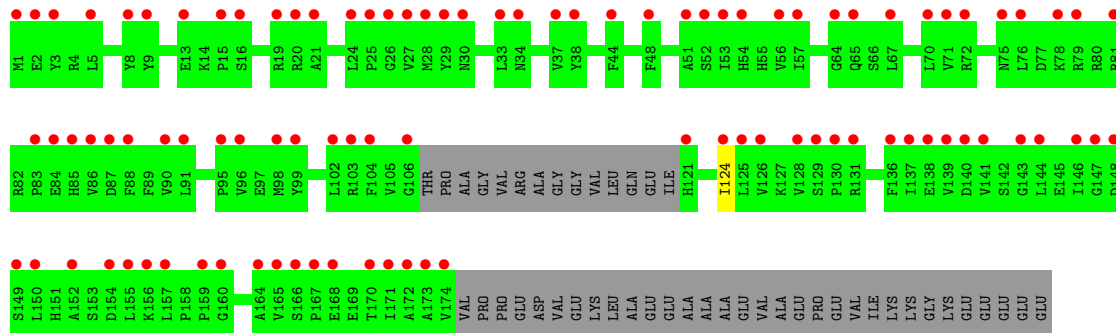
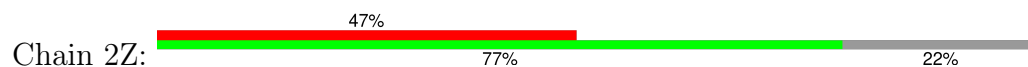
- Molecule 20: 50S ribosomal protein L24



- Molecule 21: 50S ribosomal protein L25



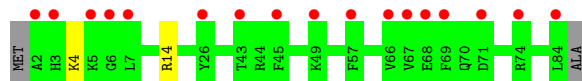
- Molecule 21: 50S ribosomal protein L25



- Molecule 22: 50S ribosomal protein L27

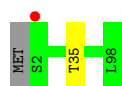


- Molecule 22: 50S ribosomal protein L27

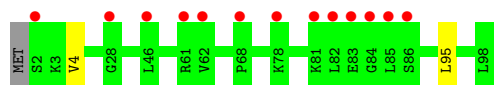


- Molecule 23: 50S ribosomal protein L28

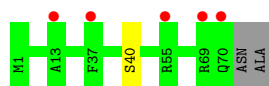




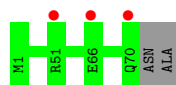
- Molecule 23: 50S ribosomal protein L28



- Molecule 24: 50S ribosomal protein L29



- Molecule 24: 50S ribosomal protein L29



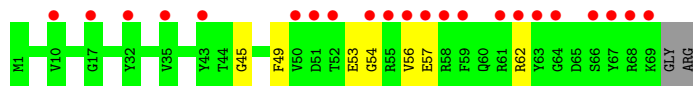
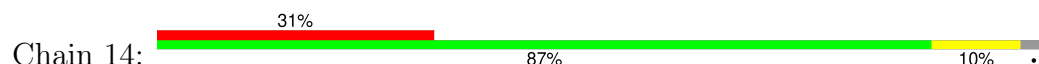
- Molecule 25: 50S ribosomal protein L30



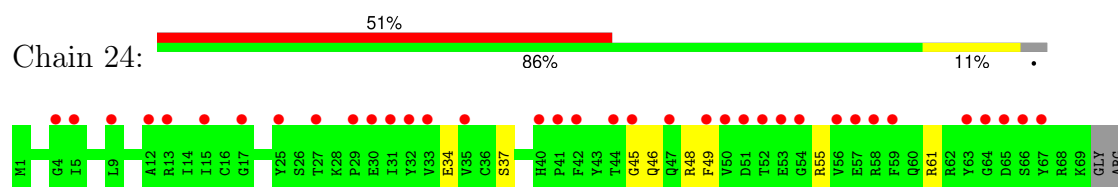
- Molecule 25: 50S ribosomal protein L30



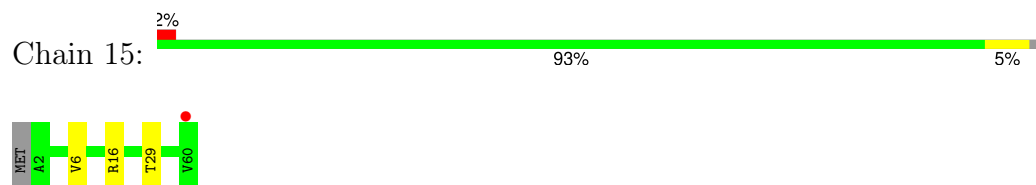
- Molecule 26: 50S ribosomal protein L31



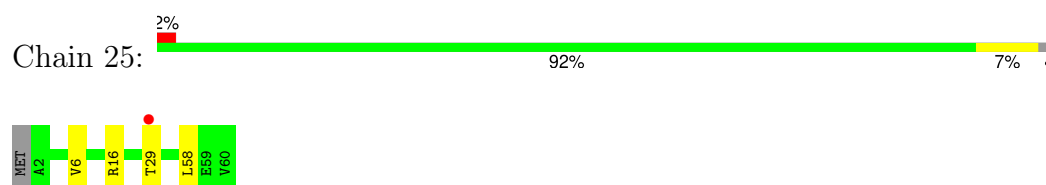
- Molecule 26: 50S ribosomal protein L31



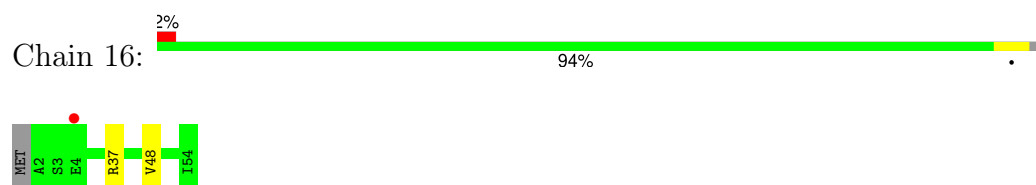
- Molecule 27: 50S ribosomal protein L32



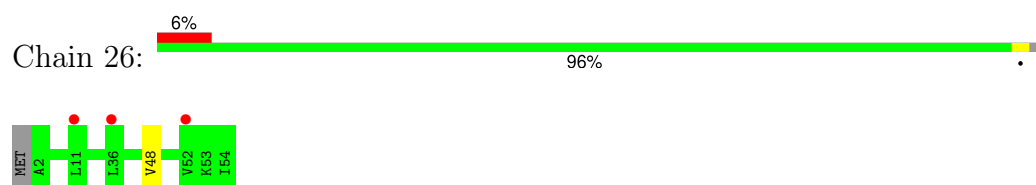
- Molecule 27: 50S ribosomal protein L32



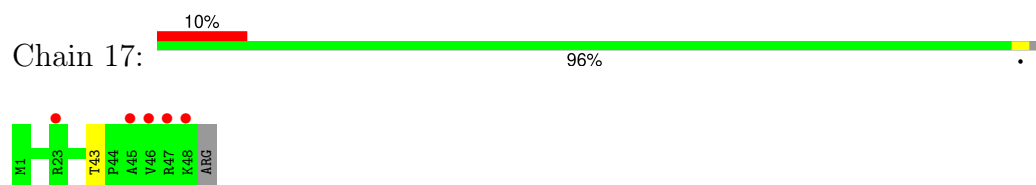
- Molecule 28: 50S ribosomal protein L33



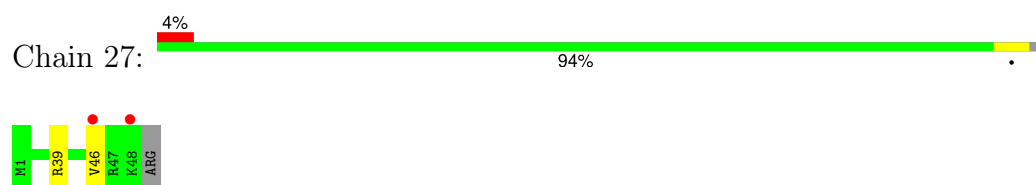
- Molecule 28: 50S ribosomal protein L33

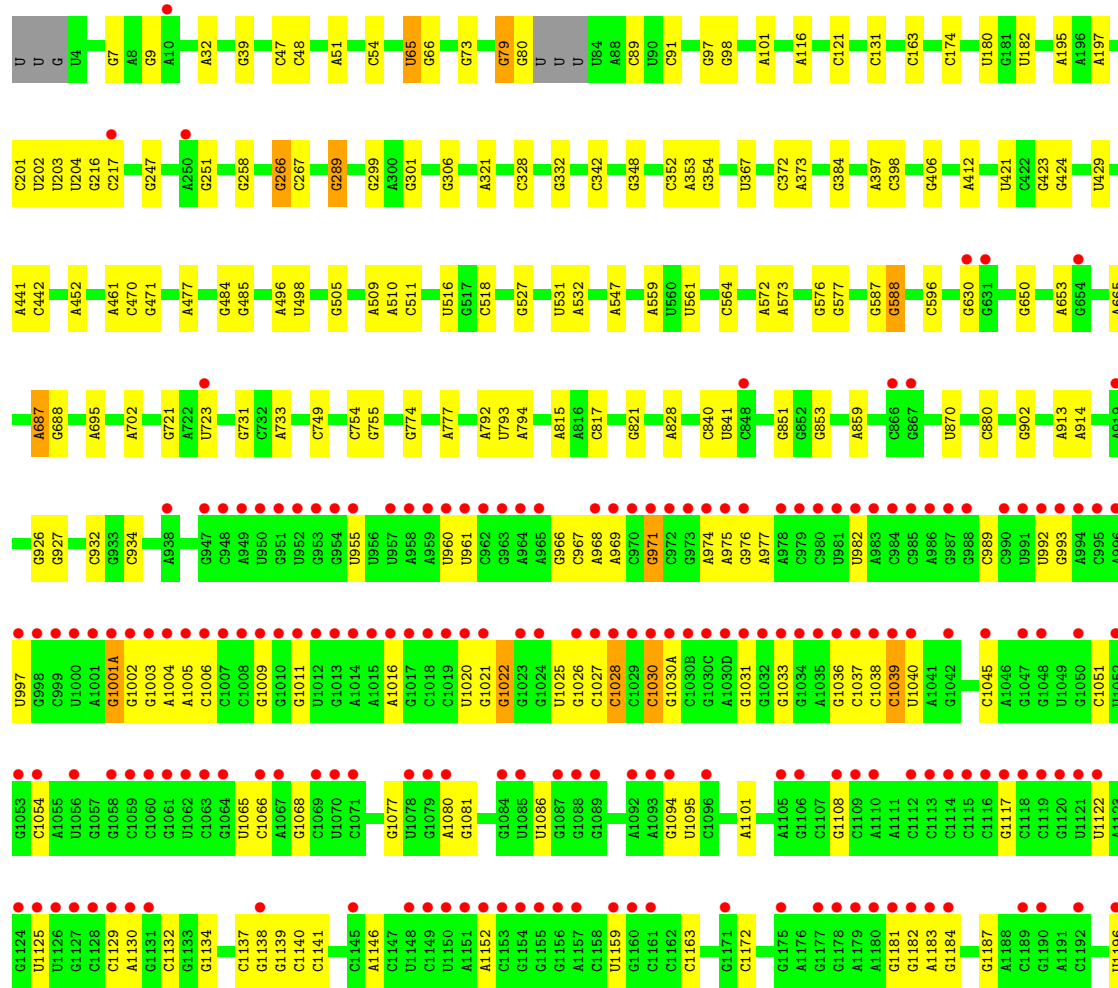


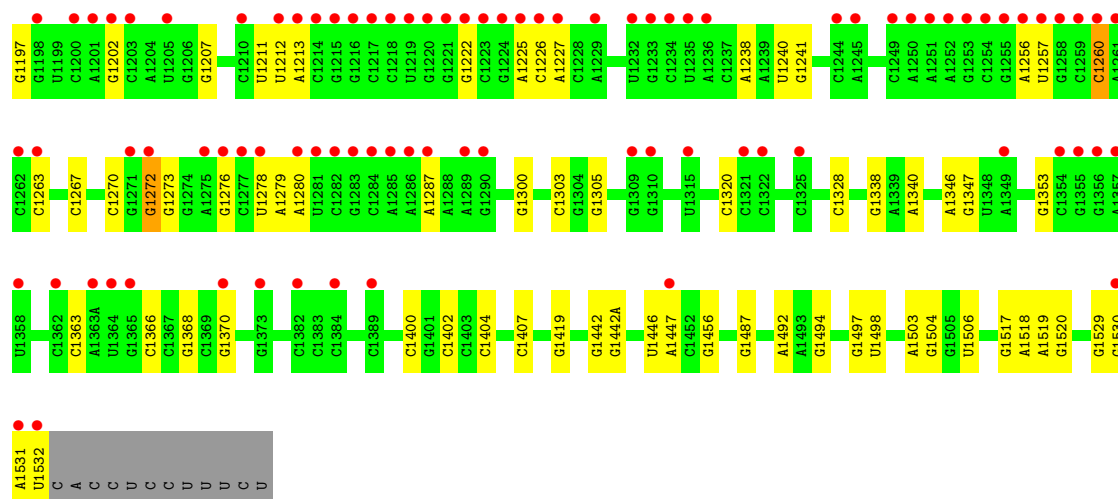
- Molecule 29: 50S ribosomal protein L34



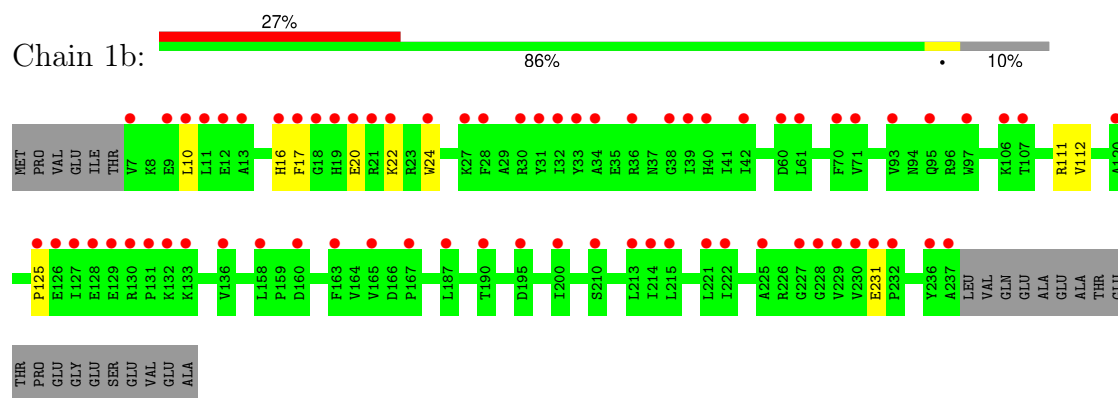
- Molecule 29: 50S ribosomal protein L34



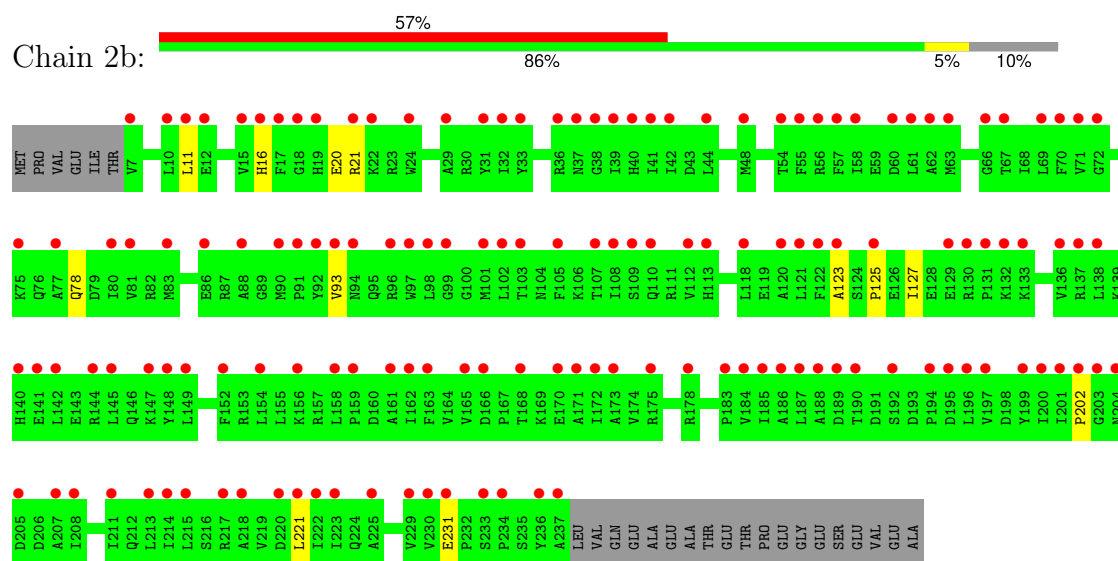




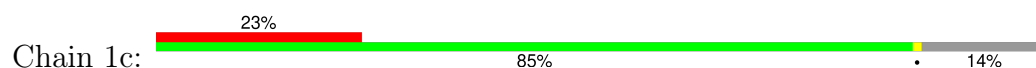
• Molecule 33: 30S ribosomal protein S2

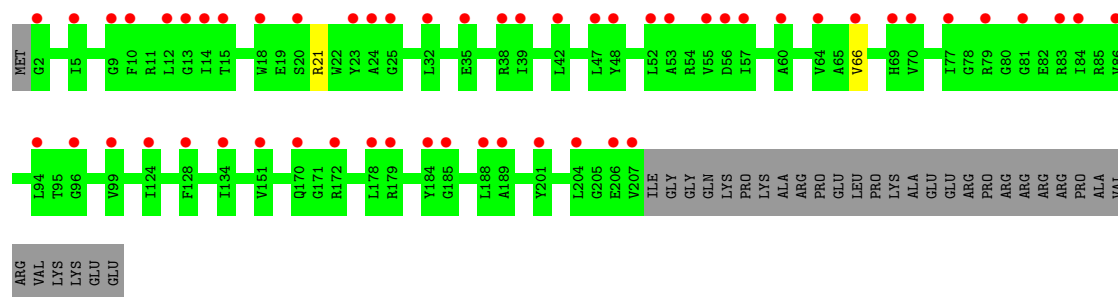


• Molecule 33: 30S ribosomal protein S2



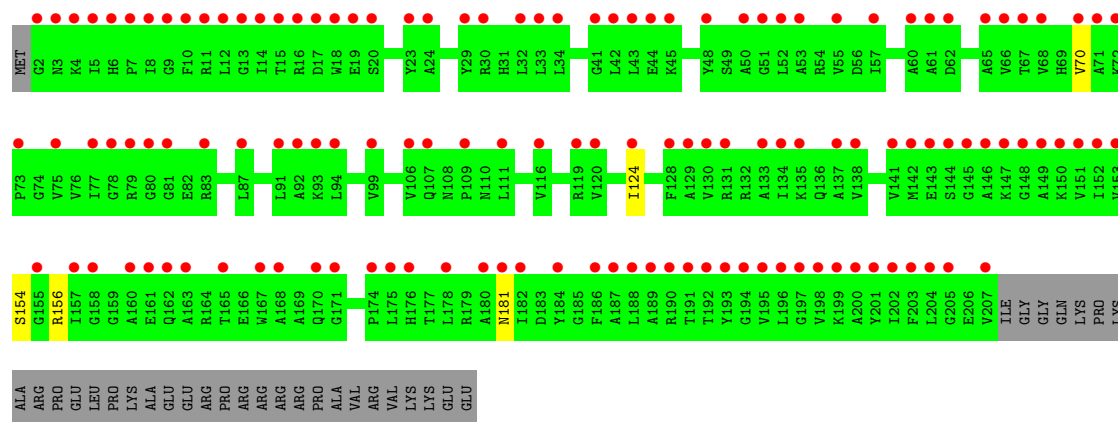
• Molecule 34: 30S ribosomal protein S3





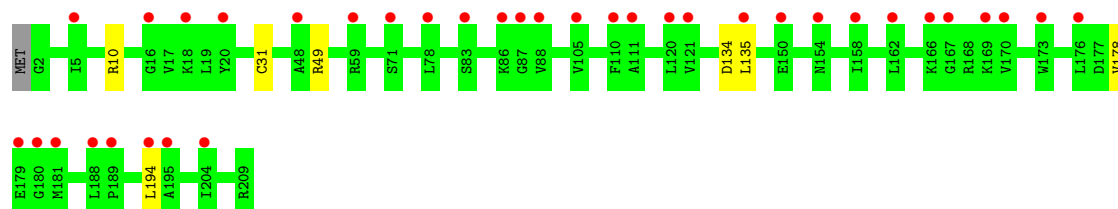
• Molecule 34: 30S ribosomal protein S3

Chain 2c: 56% 84% 14%



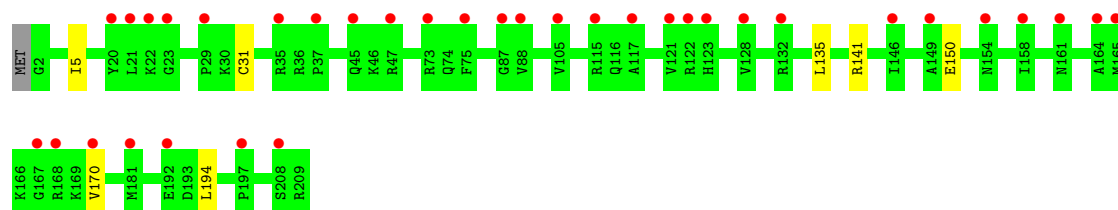
• Molecule 35: 30S ribosomal protein S4

Chain 1d: 17% 96%

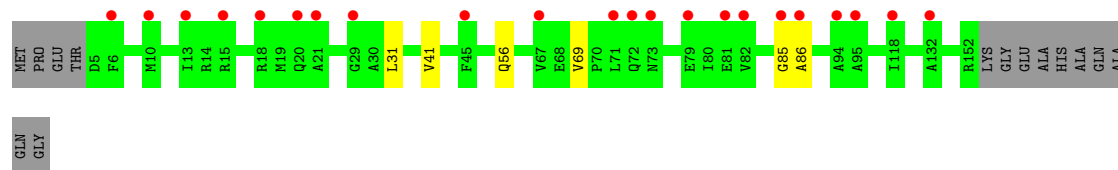
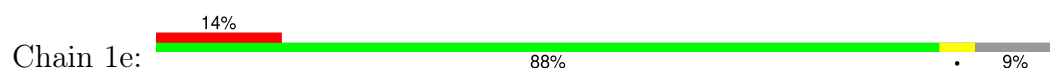


• Molecule 35: 30S ribosomal protein S4

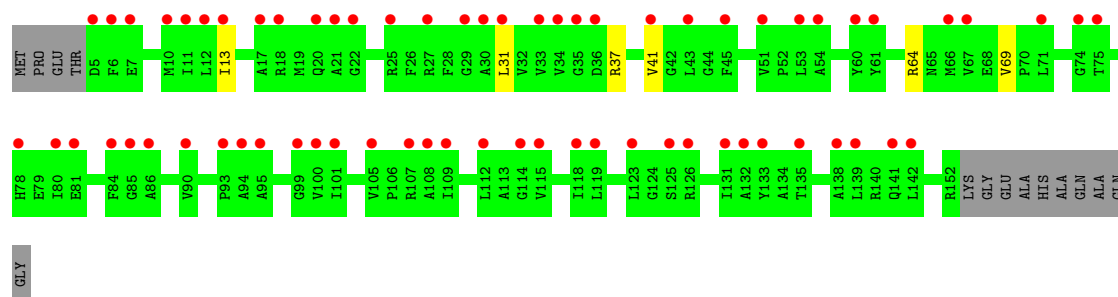
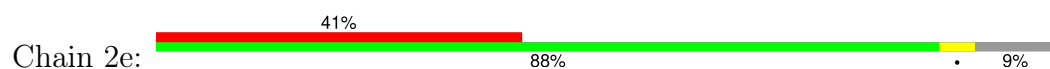
Chain 2d: 17% 96%



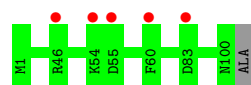
• Molecule 36: 30S ribosomal protein S5



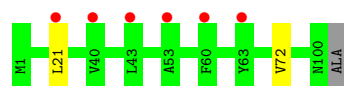
- Molecule 36: 30S ribosomal protein S5



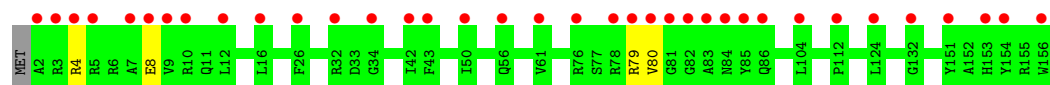
- Molecule 37: 30S ribosomal protein S6



- Molecule 37: 30S ribosomal protein S6

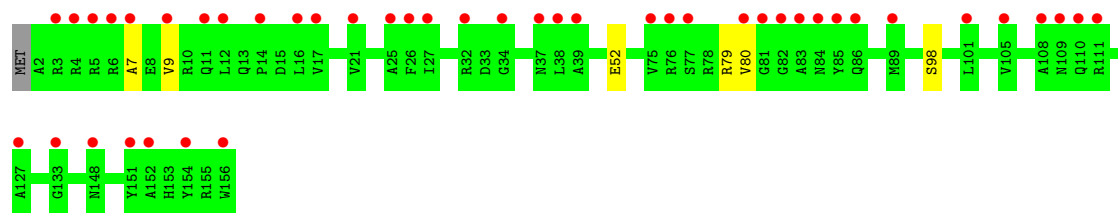


- Molecule 38: 30S ribosomal protein S7



- Molecule 38: 30S ribosomal protein S7

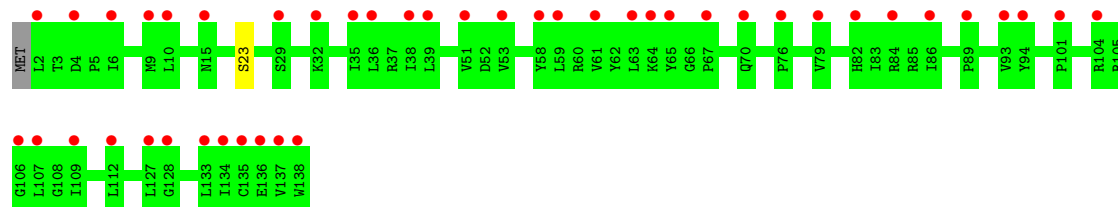




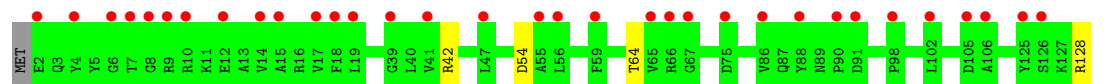
- Molecule 39: 30S ribosomal protein S8



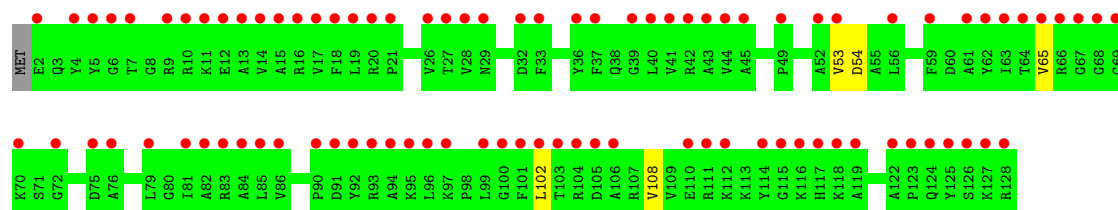
- Molecule 39: 30S ribosomal protein S8



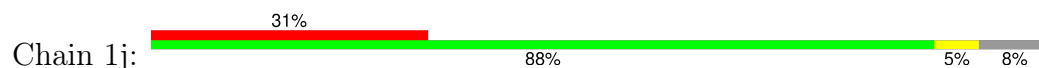
- Molecule 40: 30S ribosomal protein S9

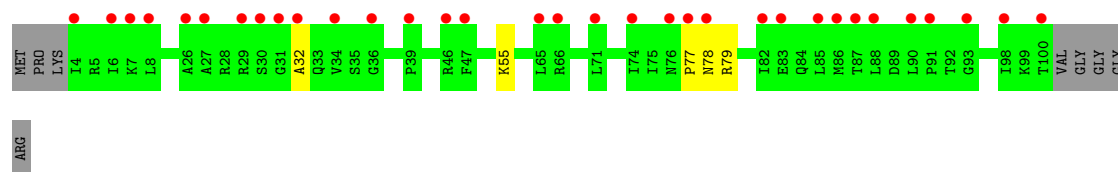


- Molecule 40: 30S ribosomal protein S9

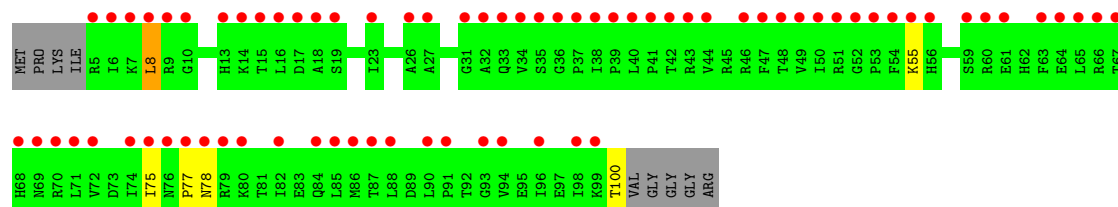
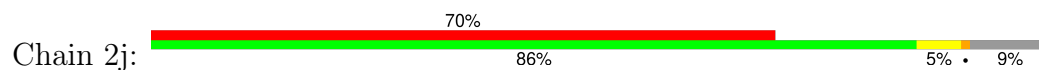


- Molecule 41: 30S ribosomal protein S10

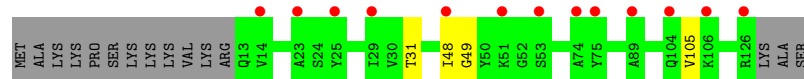
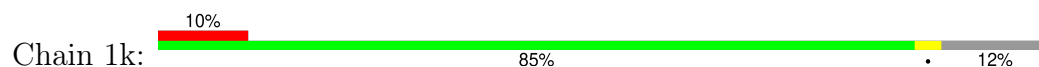




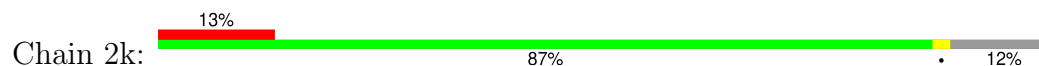
- Molecule 41: 30S ribosomal protein S10



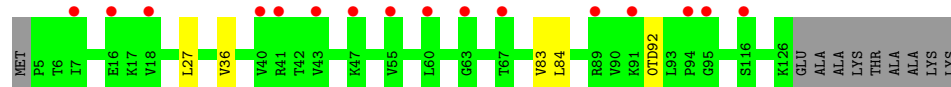
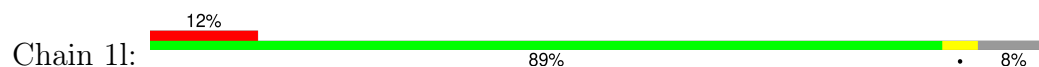
- Molecule 42: 30S ribosomal protein S11



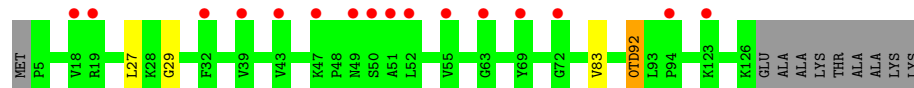
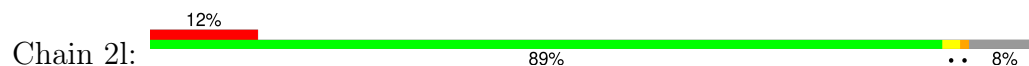
- Molecule 42: 30S ribosomal protein S11



- Molecule 43: 30S ribosomal protein S12



- Molecule 43: 30S ribosomal protein S12

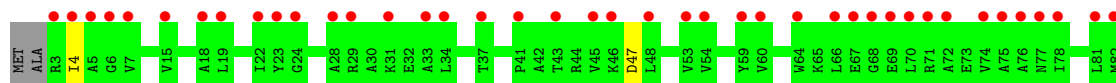


- Molecule 44: 30S ribosomal protein S13

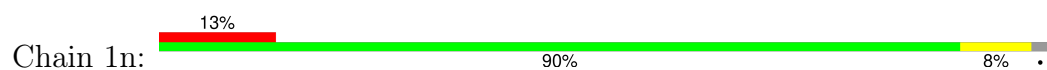




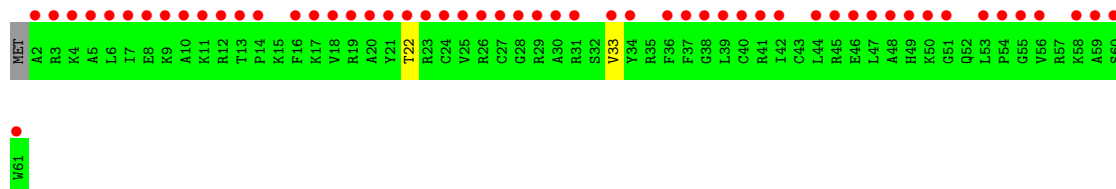
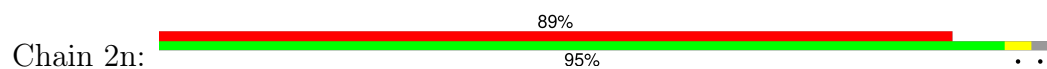
- Molecule 44: 30S ribosomal protein S13



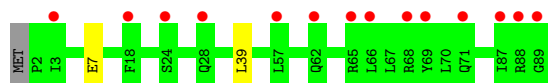
- Molecule 45: 30S ribosomal protein S14 type Z



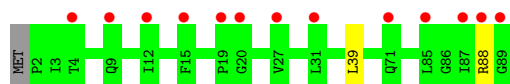
- Molecule 45: 30S ribosomal protein S14 type Z



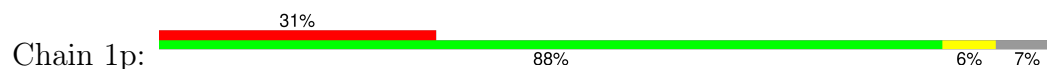
- Molecule 46: 30S ribosomal protein S15

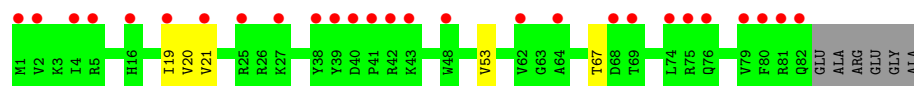


- Molecule 46: 30S ribosomal protein S15

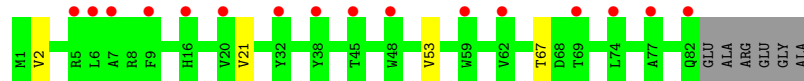
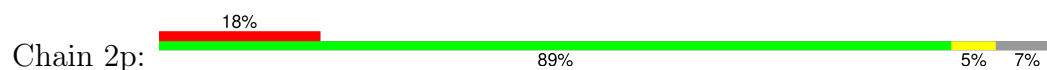


- Molecule 47: 30S ribosomal protein S16

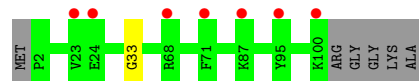




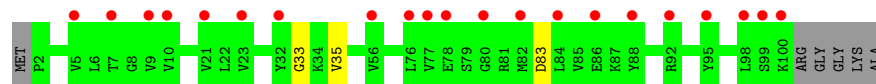
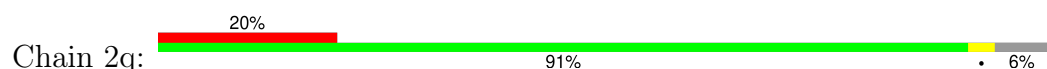
- Molecule 47: 30S ribosomal protein S16



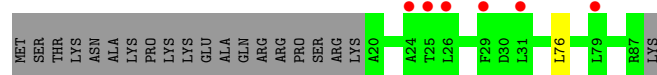
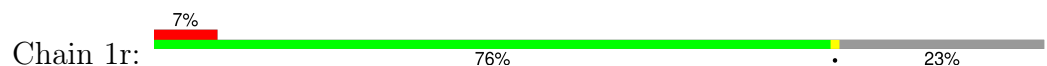
- Molecule 48: 30S ribosomal protein S17



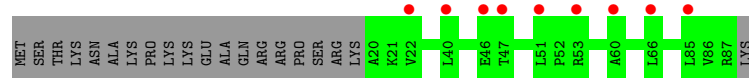
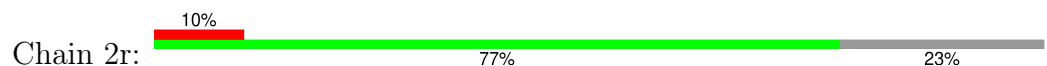
- Molecule 48: 30S ribosomal protein S17



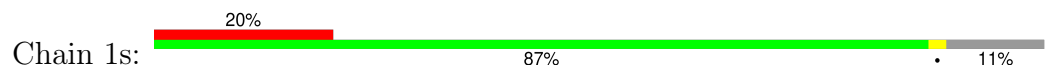
- Molecule 49: 30S ribosomal protein S18



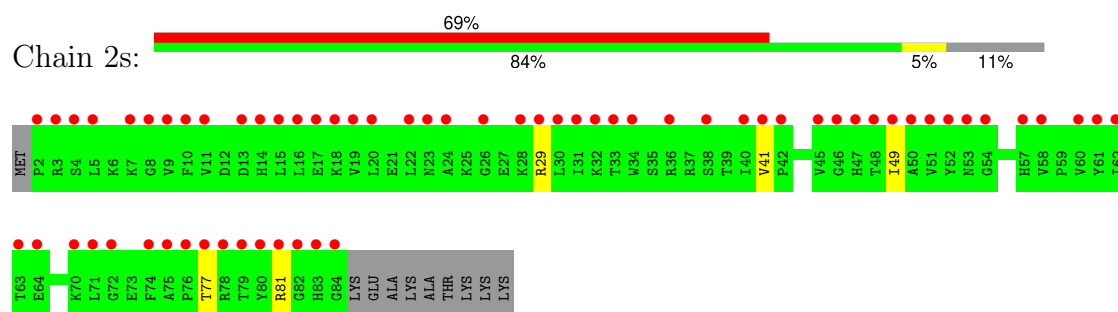
- Molecule 49: 30S ribosomal protein S18



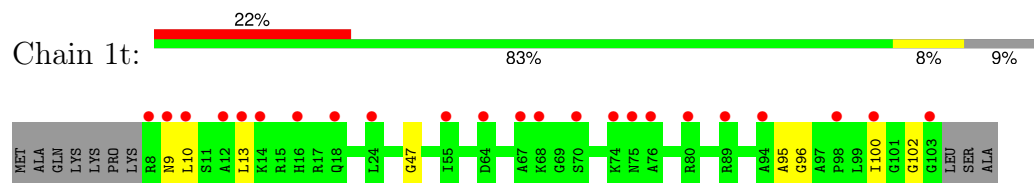
- Molecule 50: 30S ribosomal protein S19



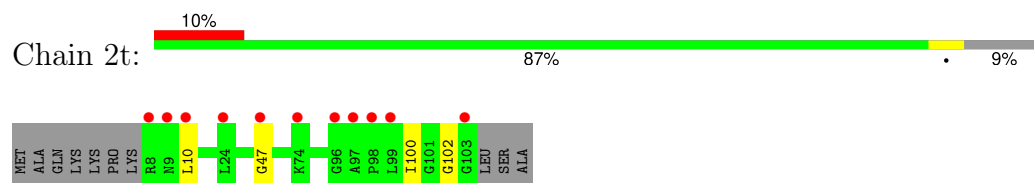
- Molecule 50: 30S ribosomal protein S19



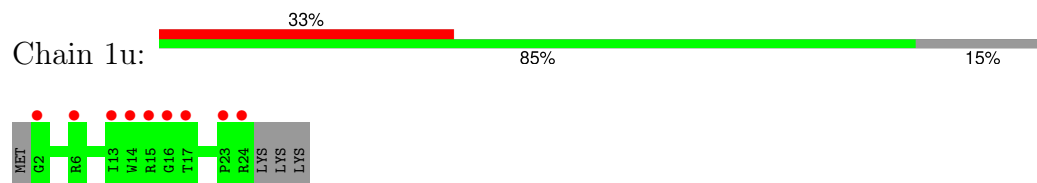
- Molecule 51: 30S ribosomal protein S20



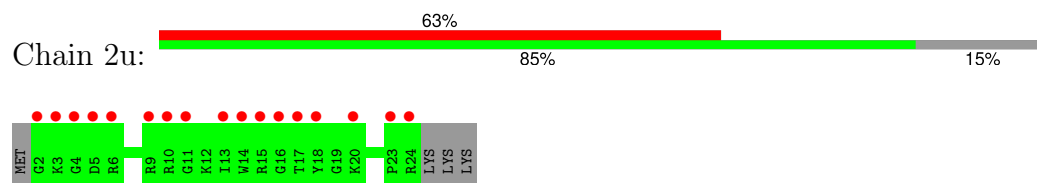
- Molecule 51: 30S ribosomal protein S20



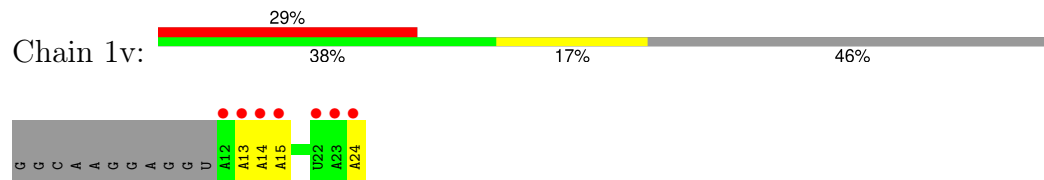
- Molecule 52: 30S ribosomal protein Thx



- Molecule 52: 30S ribosomal protein Thx

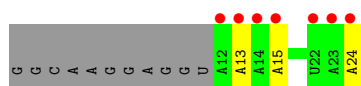


- Molecule 53: mRNA

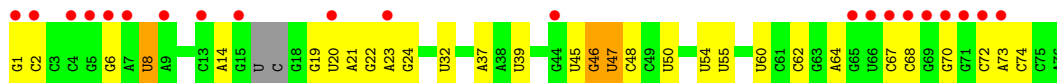


- Molecule 53: mRNA

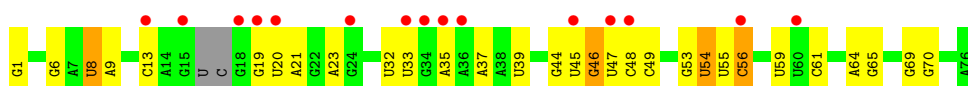




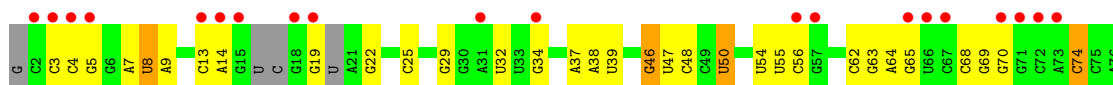
- Molecule 54: A-site and E-site tRNAs



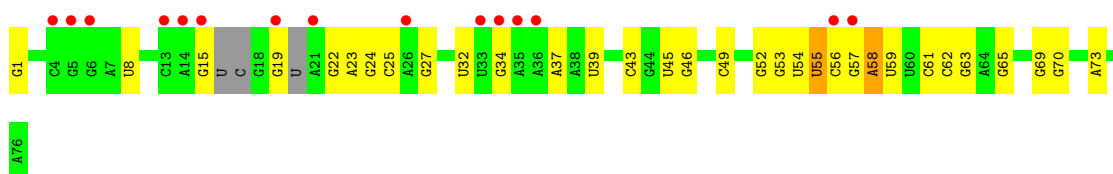
- Molecule 54: A-site and E-site tRNAs



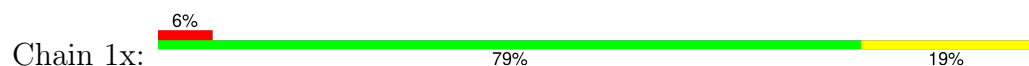
- Molecule 54: A-site and E-site tRNAs



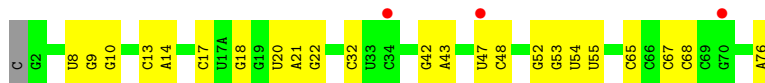
- Molecule 54: A-site and E-site tRNAs



- Molecule 55: P-site tRNA



- Molecule 55: P-site tRNA



4 Data and refinement statistics

Property	Value	Source
Space group	P 21 21 21	Depositor
Cell constants a, b, c, α , β , γ	209.70Å 450.05Å 624.09Å 90.00° 90.00° 90.00°	Depositor
Resolution (Å)	122.01 – 2.50 122.01 – 2.50	Depositor EDS
% Data completeness (in resolution range)	97.8 (122.01-2.50) 97.8 (122.01-2.50)	Depositor EDS
R_{merge}	0.14	Depositor
R_{sym}	(Not available)	Depositor
$\langle I/\sigma(I) \rangle$ ¹	1.22 (at 2.52Å)	Xtriage
Refinement program	PHENIX (phenix.refine: 1.8.2_1309)	Depositor
R, R_{free}	0.231 , 0.281 0.232 , 0.282	Depositor DCC
R_{free} test set	98495 reflections (5.02%)	wwPDB-VP
Wilson B-factor (Å ²)	47.4	Xtriage
Anisotropy	0.174	Xtriage
Bulk solvent k_{sol} (e/Å ³), B_{sol} (Å ²)	0.31 , 57.4	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	0.91	EDS
Total number of atoms	300910	wwPDB-VP
Average B, all atoms (Å ²)	60.0	wwPDB-VP

Xtriage's analysis on translational NCS is as follows: *The largest off-origin peak in the Patterson function is 1.58% 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: 4OC, ZN, 0TD, 7MG, M2G, K, UR3, 2MG, PSU, MIA, 4SU, 2MA, 2MU, OMG, 5MC, MA6, MG, 5MU, SF4

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	0.61	0/69009	1.05	129/107712 (0.1%)
1	2A	0.52	1/67293 (0.0%)	1.03	84/105034 (0.1%)
2	1B	0.51	1/2882 (0.0%)	0.87	0/4494
2	2B	0.59	1/2879 (0.0%)	1.01	4/4487 (0.1%)
3	1D	0.44	0/2186	0.61	0/2944
3	2D	0.38	0/2186	0.61	0/2944
4	1E	0.43	0/1592	0.61	0/2149
4	2E	0.37	0/1592	0.59	0/2149
5	1F	0.40	0/1619	0.58	0/2193
5	2F	0.37	0/1615	0.58	0/2188
6	1G	0.34	0/1448	0.54	0/1957
6	2G	0.36	0/1453	0.58	0/1963
7	1H	0.36	0/1356	0.55	0/1834
7	2H	0.33	0/1356	0.55	0/1834
8	1I	0.31	0/1112	0.55	0/1514
8	2I	0.30	0/1079	0.54	0/1475
9	1N	0.39	0/1144	0.57	0/1543
9	2N	0.36	0/1144	0.58	0/1543
10	1O	0.42	0/943	0.58	0/1269
10	2O	0.35	0/943	0.54	0/1269
11	1P	0.39	0/1152	0.60	0/1533
11	2P	0.36	0/1152	0.62	0/1533
12	1Q	0.41	0/1143	0.57	0/1527
12	2Q	0.37	0/1143	0.60	0/1527
13	1R	0.43	0/982	0.63	0/1312
13	2R	0.38	0/982	0.60	0/1312
14	1S	0.34	0/883	0.56	0/1176
14	2S	0.38	0/880	0.59	0/1172
15	1T	0.39	0/1105	0.61	1/1477 (0.1%)
15	2T	0.36	0/1097	0.59	0/1468
16	1U	0.46	0/977	0.62	0/1301

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	# Z >5	RMSZ	# Z >5
16	2U	0.39	0/977	0.60	0/1301
17	1V	0.45	0/782	0.62	0/1049
17	2V	0.35	0/782	0.59	0/1049
18	1W	0.45	0/897	0.66	0/1205
18	2W	0.39	0/897	0.58	0/1205
19	1X	0.44	0/764	0.61	0/1025
19	2X	0.40	0/764	0.63	1/1025 (0.1%)
20	1Y	0.39	0/819	0.57	0/1095
20	2Y	0.35	0/819	0.56	0/1095
21	1Z	0.35	0/1267	0.59	0/1717
21	2Z	0.31	0/1299	0.53	0/1763
22	10	0.43	0/662	0.66	1/881 (0.1%)
22	20	0.33	0/662	0.56	0/881
23	11	0.39	0/762	0.58	0/1014
23	21	0.35	0/762	0.57	0/1014
24	12	0.35	0/590	0.56	0/781
24	22	0.33	0/590	0.51	0/781
25	13	0.41	0/474	0.60	0/635
25	23	0.33	0/469	0.57	0/630
26	14	0.35	0/565	0.69	1/761 (0.1%)
26	24	0.37	0/545	0.64	0/737
27	15	0.42	0/469	0.64	0/635
27	25	0.38	0/469	0.60	1/635 (0.2%)
28	16	0.44	0/460	0.56	0/613
28	26	0.35	0/456	0.51	0/608
29	17	0.44	0/426	0.70	0/561
29	27	0.42	0/426	0.66	0/561
30	18	0.41	0/525	0.59	0/691
30	28	0.39	0/525	0.60	0/691
31	19	0.42	0/310	0.60	0/407
31	29	0.38	0/310	0.60	0/407
32	1a	0.43	0/35795	0.92	40/55864 (0.1%)
32	2a	0.45	3/35886 (0.0%)	0.98	62/56005 (0.1%)
33	1b	0.31	0/1881	0.59	0/2542
33	2b	0.34	0/1860	0.57	0/2518
34	1c	0.28	0/1572	0.49	0/2126
34	2c	0.34	0/1566	0.55	0/2119
35	1d	0.31	0/1685	0.54	0/2262
35	2d	0.31	0/1704	0.52	0/2284
36	1e	0.31	0/1145	0.55	0/1543
36	2e	0.34	0/1149	0.61	0/1548
37	1f	0.32	0/823	0.53	0/1115
37	2f	0.32	0/829	0.51	0/1123

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	# Z >5	RMSZ	# Z >5
38	1g	0.29	0/1250	0.52	0/1679
38	2g	0.31	0/1254	0.54	0/1683
39	1h	0.30	0/1108	0.54	0/1494
39	2h	0.30	0/1108	0.55	0/1494
40	1i	0.31	0/1002	0.59	0/1346
40	2i	0.32	0/997	0.56	0/1343
41	1j	0.30	0/722	0.54	0/982
41	2j	0.34	0/727	0.59	1/988 (0.1%)
42	1k	0.30	0/844	0.55	0/1145
42	2k	0.31	0/848	0.52	0/1149
43	1l	0.34	0/937	0.54	0/1260
43	2l	0.32	0/937	0.59	1/1260 (0.1%)
44	1m	0.32	0/969	0.57	0/1302
44	2m	0.31	0/961	0.57	0/1291
45	1n	0.33	0/501	0.51	0/664
45	2n	0.31	0/501	0.53	0/664
46	1o	0.30	0/739	0.49	0/985
46	2o	0.30	0/739	0.51	0/985
47	1p	0.31	0/697	0.54	0/939
47	2p	0.31	0/693	0.53	0/935
48	1q	0.33	0/836	0.55	0/1117
48	2q	0.31	0/836	0.52	0/1117
49	1r	0.32	0/560	0.53	0/746
49	2r	0.30	0/560	0.51	0/746
50	1s	0.29	0/667	0.58	0/900
50	2s	0.38	0/661	0.66	0/893
51	1t	0.28	0/730	0.53	0/965
51	2t	0.30	0/729	0.54	0/965
52	1u	0.27	0/203	0.46	0/266
52	2u	0.34	0/203	0.50	0/266
53	1v	0.46	0/310	0.93	0/480
53	2v	0.60	0/310	0.91	0/480
54	1w	0.57	1/1606 (0.1%)	1.10	3/2497 (0.1%)
54	1y	0.56	1/1606 (0.1%)	1.13	9/2497 (0.4%)
54	2w	0.53	0/1556	1.12	2/2418 (0.1%)
54	2y	0.59	1/1583 (0.1%)	1.17	4/2459 (0.2%)
55	1x	0.57	3/1725 (0.2%)	1.16	16/2689 (0.6%)
55	2x	0.49	0/1725	1.06	8/2689 (0.3%)
All	All	0.49	12/316686 (0.0%)	0.92	368/474113 (0.1%)

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
43	2l	0	1

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

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
54	2y	1	G	OP3-P	-10.21	1.48	1.61
2	1B	1	U	OP3-P	-10.20	1.49	1.61
54	1y	1	G	OP3-P	-10.20	1.49	1.61
2	2B	1	U	OP3-P	-9.87	1.49	1.61
54	1w	1	G	OP3-P	-9.63	1.49	1.61

The worst 5 of 368 bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
32	2a	1263	C	N1-C2-O2	22.29	132.27	118.90
32	2a	1272	G	N3-C2-N2	21.80	135.16	119.90
32	2a	1272	G	C5-C6-O6	20.59	140.96	128.60
32	2a	1272	G	N1-C2-N2	-18.95	99.14	116.20
32	2a	1263	C	C2-N3-C4	15.04	127.42	119.90

There are no chirality outliers.

All (1) planarity outliers are listed below:

Mol	Chain	Res	Type	Group
43	2l	92	0TD	Mainchain

5.2 Too-close contacts [i](#)

Due to software issues we are unable to calculate clashes - this section is therefore empty.

5.3 Torsion angles [i](#)

5.3.1 Protein backbone [i](#)

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

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

Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
3	1D	273/276 (99%)	262 (96%)	11 (4%)	0	100	100
3	2D	273/276 (99%)	260 (95%)	11 (4%)	2 (1%)	19	35
4	1E	202/206 (98%)	193 (96%)	8 (4%)	1 (0%)	25	44
4	2E	202/206 (98%)	194 (96%)	7 (4%)	1 (0%)	25	44
5	1F	201/210 (96%)	198 (98%)	2 (1%)	1 (0%)	25	44
5	2F	201/210 (96%)	197 (98%)	2 (1%)	2 (1%)	13	25
6	1G	179/182 (98%)	170 (95%)	9 (5%)	0	100	100
6	2G	179/182 (98%)	168 (94%)	10 (6%)	1 (1%)	22	39
7	1H	172/180 (96%)	164 (95%)	7 (4%)	1 (1%)	22	39
7	2H	172/180 (96%)	158 (92%)	12 (7%)	2 (1%)	11	21
8	1I	144/148 (97%)	132 (92%)	12 (8%)	0	100	100
8	2I	144/148 (97%)	128 (89%)	14 (10%)	2 (1%)	9	17
9	1N	138/140 (99%)	134 (97%)	4 (3%)	0	100	100
9	2N	138/140 (99%)	133 (96%)	4 (3%)	1 (1%)	19	35
10	1O	120/122 (98%)	112 (93%)	8 (7%)	0	100	100
10	2O	120/122 (98%)	114 (95%)	6 (5%)	0	100	100
11	1P	147/150 (98%)	139 (95%)	8 (5%)	0	100	100
11	2P	147/150 (98%)	137 (93%)	10 (7%)	0	100	100
12	1Q	139/141 (99%)	133 (96%)	6 (4%)	0	100	100
12	2Q	139/141 (99%)	131 (94%)	7 (5%)	1 (1%)	19	35
13	1R	116/118 (98%)	111 (96%)	5 (4%)	0	100	100
13	2R	116/118 (98%)	112 (97%)	4 (3%)	0	100	100
14	1S	108/112 (96%)	106 (98%)	2 (2%)	0	100	100
14	2S	108/112 (96%)	105 (97%)	2 (2%)	1 (1%)	14	28
15	1T	129/146 (88%)	123 (95%)	6 (5%)	0	100	100
15	2T	129/146 (88%)	125 (97%)	4 (3%)	0	100	100
16	1U	114/118 (97%)	114 (100%)	0	0	100	100
16	2U	114/118 (97%)	114 (100%)	0	0	100	100
17	1V	99/101 (98%)	97 (98%)	1 (1%)	1 (1%)	13	25
17	2V	99/101 (98%)	97 (98%)	1 (1%)	1 (1%)	13	25
18	1W	110/113 (97%)	110 (100%)	0	0	100	100
18	2W	110/113 (97%)	110 (100%)	0	0	100	100

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
19	1X	93/96 (97%)	90 (97%)	3 (3%)	0	100	100
19	2X	93/96 (97%)	88 (95%)	4 (4%)	1 (1%)	12	23
20	1Y	105/110 (96%)	98 (93%)	5 (5%)	2 (2%)	6	12
20	2Y	105/110 (96%)	99 (94%)	4 (4%)	2 (2%)	6	12
21	1Z	148/206 (72%)	136 (92%)	11 (7%)	1 (1%)	19	35
21	2Z	156/206 (76%)	141 (90%)	15 (10%)	0	100	100
22	10	81/85 (95%)	80 (99%)	0	1 (1%)	11	21
22	20	81/85 (95%)	77 (95%)	3 (4%)	1 (1%)	11	21
23	11	95/98 (97%)	92 (97%)	3 (3%)	0	100	100
23	21	95/98 (97%)	91 (96%)	4 (4%)	0	100	100
24	12	68/72 (94%)	68 (100%)	0	0	100	100
24	22	68/72 (94%)	67 (98%)	1 (2%)	0	100	100
25	13	57/60 (95%)	55 (96%)	2 (4%)	0	100	100
25	23	57/60 (95%)	53 (93%)	3 (5%)	1 (2%)	7	12
26	14	67/71 (94%)	58 (87%)	4 (6%)	5 (8%)	1	1
26	24	67/71 (94%)	53 (79%)	10 (15%)	4 (6%)	1	1
27	15	57/60 (95%)	56 (98%)	1 (2%)	0	100	100
27	25	57/60 (95%)	56 (98%)	1 (2%)	0	100	100
28	16	51/54 (94%)	49 (96%)	2 (4%)	0	100	100
28	26	51/54 (94%)	50 (98%)	1 (2%)	0	100	100
29	17	46/49 (94%)	44 (96%)	2 (4%)	0	100	100
29	27	46/49 (94%)	44 (96%)	1 (2%)	1 (2%)	5	9
30	18	62/65 (95%)	62 (100%)	0	0	100	100
30	28	62/65 (95%)	61 (98%)	1 (2%)	0	100	100
31	19	35/37 (95%)	35 (100%)	0	0	100	100
31	29	35/37 (95%)	35 (100%)	0	0	100	100
33	1b	229/256 (90%)	200 (87%)	22 (10%)	7 (3%)	3	5
33	2b	229/256 (90%)	202 (88%)	19 (8%)	8 (4%)	3	4
34	1c	204/239 (85%)	188 (92%)	15 (7%)	1 (0%)	25	44
34	2c	204/239 (85%)	187 (92%)	15 (7%)	2 (1%)	13	25
35	1d	206/209 (99%)	196 (95%)	9 (4%)	1 (0%)	25	44

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
35	2d	206/209 (99%)	197 (96%)	8 (4%)	1 (0%)	25	44
36	1e	146/162 (90%)	137 (94%)	6 (4%)	3 (2%)	5	10
36	2e	146/162 (90%)	139 (95%)	5 (3%)	2 (1%)	9	17
37	1f	98/101 (97%)	96 (98%)	2 (2%)	0	100	100
37	2f	98/101 (97%)	96 (98%)	2 (2%)	0	100	100
38	1g	153/156 (98%)	144 (94%)	6 (4%)	3 (2%)	6	11
38	2g	153/156 (98%)	143 (94%)	7 (5%)	3 (2%)	6	11
39	1h	135/138 (98%)	133 (98%)	2 (2%)	0	100	100
39	2h	135/138 (98%)	131 (97%)	4 (3%)	0	100	100
40	1i	125/128 (98%)	115 (92%)	9 (7%)	1 (1%)	16	31
40	2i	125/128 (98%)	114 (91%)	10 (8%)	1 (1%)	16	31
41	1j	95/105 (90%)	86 (90%)	4 (4%)	5 (5%)	1	1
41	2j	94/105 (90%)	85 (90%)	5 (5%)	4 (4%)	2	3
42	1k	112/129 (87%)	106 (95%)	4 (4%)	2 (2%)	7	12
42	2k	112/129 (87%)	107 (96%)	3 (3%)	2 (2%)	7	12
43	1l	119/132 (90%)	115 (97%)	4 (3%)	0	100	100
43	2l	119/132 (90%)	112 (94%)	7 (6%)	0	100	100
44	1m	121/126 (96%)	114 (94%)	7 (6%)	0	100	100
44	2m	120/126 (95%)	110 (92%)	9 (8%)	1 (1%)	16	31
45	1n	58/61 (95%)	56 (97%)	2 (3%)	0	100	100
45	2n	58/61 (95%)	55 (95%)	3 (5%)	0	100	100
46	1o	86/89 (97%)	82 (95%)	4 (5%)	0	100	100
46	2o	86/89 (97%)	81 (94%)	4 (5%)	1 (1%)	11	21
47	1p	80/88 (91%)	76 (95%)	3 (4%)	1 (1%)	10	19
47	2p	80/88 (91%)	76 (95%)	3 (4%)	1 (1%)	10	19
48	1q	97/105 (92%)	93 (96%)	3 (3%)	1 (1%)	13	25
48	2q	97/105 (92%)	94 (97%)	2 (2%)	1 (1%)	13	25
49	1r	66/88 (75%)	65 (98%)	1 (2%)	0	100	100
49	2r	66/88 (75%)	65 (98%)	1 (2%)	0	100	100
50	1s	81/93 (87%)	75 (93%)	5 (6%)	1 (1%)	11	21
50	2s	81/93 (87%)	74 (91%)	5 (6%)	2 (2%)	4	7

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
51	1t	94/106 (89%)	87 (93%)	0	7 (7%)	1	1
51	2t	94/106 (89%)	86 (92%)	4 (4%)	4 (4%)	2	3
52	1u	21/27 (78%)	21 (100%)	0	0	100	100
52	2u	21/27 (78%)	21 (100%)	0	0	100	100
All	All	11370/12128 (94%)	10779 (95%)	488 (4%)	103 (1%)	14	28

5 of 103 Ramachandran outliers are listed below:

Mol	Chain	Res	Type
5	1F	130	ALA
7	1H	126	PRO
21	1Z	159	PRO
26	14	62	ARG
33	1b	10	LEU

5.3.2 Protein sidechains ⓘ

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

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

Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
3	1D	215/218 (99%)	209 (97%)	6 (3%)	38	65
3	2D	215/218 (99%)	208 (97%)	7 (3%)	33	59
4	1E	164/166 (99%)	154 (94%)	10 (6%)	15	32
4	2E	164/166 (99%)	154 (94%)	10 (6%)	15	32
5	1F	160/166 (96%)	150 (94%)	10 (6%)	15	30
5	2F	159/166 (96%)	150 (94%)	9 (6%)	17	35
6	1G	143/156 (92%)	139 (97%)	4 (3%)	38	65
6	2G	143/156 (92%)	135 (94%)	8 (6%)	17	36
7	1H	144/148 (97%)	141 (98%)	3 (2%)	48	74
7	2H	144/148 (97%)	142 (99%)	2 (1%)	62	83
8	1I	113/124 (91%)	108 (96%)	5 (4%)	24	47
8	2I	105/124 (85%)	99 (94%)	6 (6%)	17	35

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
9	1N	118/119 (99%)	110 (93%)	8 (7%)	13	27
9	2N	118/119 (99%)	109 (92%)	9 (8%)	11	22
10	1O	100/100 (100%)	98 (98%)	2 (2%)	50	75
10	2O	100/100 (100%)	99 (99%)	1 (1%)	73	88
11	1P	115/116 (99%)	109 (95%)	6 (5%)	19	39
11	2P	115/116 (99%)	112 (97%)	3 (3%)	41	68
12	1Q	111/111 (100%)	108 (97%)	3 (3%)	40	67
12	2Q	111/111 (100%)	105 (95%)	6 (5%)	18	37
13	1R	101/101 (100%)	90 (89%)	11 (11%)	5	10
13	2R	101/101 (100%)	94 (93%)	7 (7%)	13	26
14	1S	86/88 (98%)	84 (98%)	2 (2%)	45	72
14	2S	85/88 (97%)	83 (98%)	2 (2%)	44	70
15	1T	115/127 (91%)	113 (98%)	2 (2%)	56	79
15	2T	113/127 (89%)	113 (100%)	0	100	100
16	1U	93/94 (99%)	92 (99%)	1 (1%)	70	87
16	2U	93/94 (99%)	91 (98%)	2 (2%)	47	73
17	1V	80/82 (98%)	74 (92%)	6 (8%)	11	23
17	2V	80/82 (98%)	74 (92%)	6 (8%)	11	23
18	1W	90/92 (98%)	85 (94%)	5 (6%)	17	36
18	2W	90/92 (98%)	85 (94%)	5 (6%)	17	36
19	1X	77/78 (99%)	75 (97%)	2 (3%)	41	68
19	2X	77/78 (99%)	76 (99%)	1 (1%)	65	85
20	1Y	85/91 (93%)	82 (96%)	3 (4%)	31	57
20	2Y	85/91 (93%)	82 (96%)	3 (4%)	31	57
21	1Z	135/179 (75%)	129 (96%)	6 (4%)	24	47
21	2Z	137/179 (76%)	136 (99%)	1 (1%)	81	93
22	10	65/67 (97%)	63 (97%)	2 (3%)	35	62
22	20	65/67 (97%)	64 (98%)	1 (2%)	60	82
23	11	80/83 (96%)	79 (99%)	1 (1%)	65	85
23	21	80/83 (96%)	78 (98%)	2 (2%)	42	69
24	12	65/67 (97%)	64 (98%)	1 (2%)	60	82

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
24	22	65/67 (97%)	65 (100%)	0	100	100
25	13	51/52 (98%)	49 (96%)	2 (4%)	27	52
25	23	50/52 (96%)	48 (96%)	2 (4%)	27	51
26	14	59/63 (94%)	58 (98%)	1 (2%)	56	79
26	24	53/63 (84%)	49 (92%)	4 (8%)	11	23
27	15	50/52 (96%)	47 (94%)	3 (6%)	16	33
27	25	50/52 (96%)	47 (94%)	3 (6%)	16	33
28	16	51/52 (98%)	49 (96%)	2 (4%)	27	52
28	26	50/52 (96%)	49 (98%)	1 (2%)	50	75
29	17	41/42 (98%)	40 (98%)	1 (2%)	44	70
29	27	41/42 (98%)	40 (98%)	1 (2%)	44	70
30	18	54/55 (98%)	52 (96%)	2 (4%)	29	55
30	28	54/55 (98%)	52 (96%)	2 (4%)	29	55
31	19	34/34 (100%)	34 (100%)	0	100	100
31	29	34/34 (100%)	33 (97%)	1 (3%)	37	64
33	1b	192/220 (87%)	189 (98%)	3 (2%)	58	80
33	2b	187/220 (85%)	183 (98%)	4 (2%)	48	74
34	1c	142/188 (76%)	141 (99%)	1 (1%)	81	93
34	2c	140/188 (74%)	137 (98%)	3 (2%)	48	74
35	1d	169/181 (93%)	163 (96%)	6 (4%)	30	56
35	2d	173/181 (96%)	167 (96%)	6 (4%)	31	57
36	1e	113/123 (92%)	110 (97%)	3 (3%)	40	67
36	2e	114/123 (93%)	110 (96%)	4 (4%)	31	57
37	1f	84/90 (93%)	84 (100%)	0	100	100
37	2f	85/90 (94%)	83 (98%)	2 (2%)	44	70
38	1g	119/127 (94%)	118 (99%)	1 (1%)	79	91
38	2g	120/127 (94%)	117 (98%)	3 (2%)	42	69
39	1h	114/119 (96%)	112 (98%)	2 (2%)	54	78
39	2h	114/119 (96%)	113 (99%)	1 (1%)	75	90
40	1i	90/99 (91%)	87 (97%)	3 (3%)	33	59
40	2i	89/99 (90%)	85 (96%)	4 (4%)	23	46

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
41	1j	66/92 (72%)	66 (100%)	0	100	100
41	2j	69/92 (75%)	67 (97%)	2 (3%)	37	64
42	1k	82/99 (83%)	80 (98%)	2 (2%)	44	70
42	2k	83/99 (84%)	83 (100%)	0	100	100
43	1l	96/108 (89%)	92 (96%)	4 (4%)	25	49
43	2l	96/108 (89%)	94 (98%)	2 (2%)	48	74
44	1m	93/101 (92%)	92 (99%)	1 (1%)	70	87
44	2m	92/101 (91%)	91 (99%)	1 (1%)	70	87
45	1n	49/50 (98%)	44 (90%)	5 (10%)	6	12
45	2n	49/50 (98%)	47 (96%)	2 (4%)	26	50
46	1o	78/80 (98%)	76 (97%)	2 (3%)	41	68
46	2o	78/80 (98%)	77 (99%)	1 (1%)	65	85
47	1p	69/74 (93%)	65 (94%)	4 (6%)	17	34
47	2p	68/74 (92%)	65 (96%)	3 (4%)	24	47
48	1q	94/97 (97%)	94 (100%)	0	100	100
48	2q	94/97 (97%)	92 (98%)	2 (2%)	48	74
49	1r	59/77 (77%)	58 (98%)	1 (2%)	56	79
49	2r	59/77 (77%)	59 (100%)	0	100	100
50	1s	69/80 (86%)	68 (99%)	1 (1%)	62	83
50	2s	67/80 (84%)	64 (96%)	3 (4%)	23	46
51	1t	70/82 (85%)	69 (99%)	1 (1%)	62	83
51	2t	70/82 (85%)	70 (100%)	0	100	100
52	1u	18/22 (82%)	18 (100%)	0	100	100
52	2u	18/22 (82%)	18 (100%)	0	100	100
All	All	9303/10064 (92%)	9005 (97%)	298 (3%)	34	60

5 of 298 residues with a non-rotameric sidechain are listed below:

Mol	Chain	Res	Type
18	2W	67	ASP
44	2m	47	ASP
22	20	14	ARG
34	2c	124	ILE
23	11	35	THR

Sometimes sidechains can be flipped to improve hydrogen bonding and reduce clashes. 5 of 95 such sidechains are listed below:

Mol	Chain	Res	Type
22	20	35	ASN
35	2d	125	HIS
24	22	9	GLN
34	2c	6	HIS
36	2e	130	ASN

5.3.3 RNA ⓘ

Mol	Chain	Analysed	Backbone Outliers	Pucker Outliers
1	1A	2861/2915 (98%)	414 (14%)	43 (1%)
1	2A	2788/2915 (95%)	510 (18%)	28 (1%)
2	1B	120/121 (99%)	11 (9%)	1 (0%)
2	2B	118/121 (97%)	35 (29%)	0
32	1a	1494/1521 (98%)	241 (16%)	0
32	2a	1498/1521 (98%)	253 (16%)	0
53	1v	12/24 (50%)	4 (33%)	0
53	2v	12/24 (50%)	3 (25%)	0
54	1w	71/76 (93%)	22 (30%)	0
54	1y	71/76 (93%)	23 (32%)	0
54	2w	68/76 (89%)	27 (39%)	0
54	2y	69/76 (90%)	23 (33%)	0
55	1x	75/77 (97%)	8 (10%)	0
55	2x	75/77 (97%)	16 (21%)	0
All	All	9332/9620 (97%)	1590 (17%)	72 (0%)

5 of 1590 RNA backbone outliers are listed below:

Mol	Chain	Res	Type
1	1A	12	U
1	1A	13	A
1	1A	34	C
1	1A	45	C
1	1A	60	G

5 of 72 RNA pucker outliers are listed below:

Mol	Chain	Res	Type
1	2A	883	G
1	2A	2689	U
1	2A	1210	A

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Mol	Chain	Res	Type
1	2A	1913	A
1	1A	1321	A

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

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

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

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# $ Z > 2$	Counts	RMSZ	# $ Z > 2$
32	MA6	2a	1518	32	19,26,27	1.06	2 (10%)	18,38,41	2.30	7 (38%)
54	PSU	2y	39	54	18,21,22	1.36	2 (11%)	21,30,33	1.93	3 (14%)
54	PSU	2w	55	56,54	18,21,22	1.38	2 (11%)	21,30,33	1.94	3 (14%)
1	4OC	1A	1942	1	19,22,24	0.78	0	25,31,35	0.97	1 (4%)
1	5MC	1A	1984	1,56	19,22,23	1.57	3 (15%)	26,32,35	1.23	5 (19%)
32	7MG	1a	527	32,56	23,26,27	1.46	4 (17%)	27,39,42	2.46	7 (25%)
1	PSU	2A	2605	1	18,21,22	1.25	2 (11%)	21,30,33	2.18	6 (28%)
43	0TD	2l	92	43	8,9,10	5.75	3 (37%)	6,11,13	2.22	1 (16%)
54	7MG	2w	46	54	23,26,27	1.40	3 (13%)	27,39,42	2.47	6 (22%)
54	4SU	2w	8	54	18,21,22	1.81	4 (22%)	25,30,33	2.48	5 (20%)
32	7MG	2a	527	32,56	23,26,27	1.34	4 (17%)	27,39,42	2.59	6 (22%)
55	PSU	2x	55	55	18,21,22	1.39	2 (11%)	21,30,33	1.97	4 (19%)
54	4SU	1w	8	54	18,21,22	1.82	5 (27%)	25,30,33	1.99	5 (20%)
54	MIA	1y	37	54	17,24,32	0.98	1 (5%)	16,35,47	1.37	2 (12%)
32	UR3	1a	1498	32	19,22,23	1.10	1 (5%)	26,32,35	1.83	5 (19%)
32	PSU	1a	516	32	18,21,22	1.42	3 (16%)	21,30,33	1.88	5 (23%)
1	5MU	2A	1915	1	19,22,23	1.46	5 (26%)	27,32,35	2.23	6 (22%)
1	2MU	2A	2552	1,56	19,22,24	1.31	2 (10%)	25,31,36	1.80	5 (20%)
32	5MC	1a	1404	32	19,22,23	1.62	3 (15%)	26,32,35	1.19	3 (11%)
54	5MU	2y	54	54	19,22,23	1.51	4 (21%)	27,32,35	2.12	9 (33%)
32	2MG	1a	1207	32	18,26,27	0.96	1 (5%)	16,38,41	1.11	1 (6%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
1	PSU	1A	2617	1,56	18,21,22	1.51	4 (22%)	21,30,33	2.12	4 (19%)
32	5MC	1a	1400	32	19,22,23	1.60	3 (15%)	26,32,35	1.15	2 (7%)
55	5MU	2x	54	55	19,22,23	1.39	5 (26%)	27,32,35	2.22	6 (22%)
32	PSU	2a	516	32	18,21,22	1.34	2 (11%)	21,30,33	1.90	4 (19%)
1	PSU	1A	1933	1	18,21,22	1.33	2 (11%)	21,30,33	2.07	4 (19%)
1	5MC	1A	1964	1,56	19,22,23	1.51	3 (15%)	26,32,35	1.23	2 (7%)
32	4OC	1a	1402	32	20,23,24	0.79	0	25,32,35	1.03	2 (8%)
55	4SU	1x	8	55	18,21,22	2.11	5 (27%)	25,30,33	1.64	6 (24%)
1	2MA	1A	2515	1,56	17,25,26	1.07	2 (11%)	16,37,40	1.41	3 (18%)
55	5MC	2x	32	55	19,22,23	1.56	3 (15%)	26,32,35	1.19	3 (11%)
32	5MC	1a	1407	32	19,22,23	1.66	3 (15%)	26,32,35	1.24	4 (15%)
32	2MG	2a	1207	32	18,26,27	0.91	1 (5%)	16,38,41	1.37	2 (12%)
32	MA6	1a	1519	32	19,26,27	1.14	2 (10%)	18,38,41	1.97	5 (27%)
32	5MC	2a	1404	32	19,22,23	1.70	3 (15%)	26,32,35	1.19	3 (11%)
55	5MC	1x	32	55	19,22,23	1.67	3 (15%)	26,32,35	1.23	3 (11%)
54	PSU	1y	39	54	18,21,22	1.42	2 (11%)	21,30,33	1.84	4 (19%)
32	M2G	2a	966	32	20,27,28	1.32	3 (15%)	19,40,43	1.07	1 (5%)
32	MA6	1a	1518	32	19,26,27	1.06	1 (5%)	18,38,41	2.36	7 (38%)
1	2MU	1A	2564	1,56	19,22,24	1.20	2 (10%)	25,31,36	2.02	6 (24%)
54	7MG	2y	46	54	23,26,27	1.45	4 (17%)	27,39,42	2.79	6 (22%)
1	2MA	2A	2503	1,56	17,25,26	1.08	1 (5%)	16,37,40	1.47	3 (18%)
54	MIA	1w	37	54	24,31,32	2.20	3 (12%)	22,44,47	2.48	6 (27%)
54	PSU	2y	55	54	18,21,22	1.33	3 (16%)	21,30,33	1.91	5 (23%)
1	PSU	2A	1917	1	18,21,22	1.36	2 (11%)	21,30,33	1.96	3 (14%)
54	PSU	1y	55	54	18,21,22	1.33	2 (11%)	21,30,33	2.13	4 (19%)
54	7MG	1y	46	54	23,26,27	1.35	4 (17%)	27,39,42	2.61	6 (22%)
32	MA6	2a	1519	32	19,26,27	1.12	2 (10%)	18,38,41	2.25	5 (27%)
54	5MU	2w	54	54	19,22,23	1.39	4 (21%)	27,32,35	1.89	6 (22%)
32	5MC	2a	967	32	19,22,23	1.92	2 (10%)	26,32,35	1.16	4 (15%)
54	7MG	1w	46	54	23,26,27	1.48	4 (17%)	27,39,42	2.54	7 (25%)
54	PSU	1y	32	54	18,21,22	1.41	3 (16%)	21,30,33	1.89	3 (14%)
32	UR3	2a	1498	32	19,22,23	1.07	2 (10%)	26,32,35	1.81	4 (15%)
55	4SU	2x	8	55	18,21,22	2.04	6 (33%)	25,30,33	1.43	5 (20%)
55	PSU	1x	55	55,56	18,21,22	1.35	2 (11%)	21,30,33	2.01	4 (19%)
54	PSU	1w	32	56,54	18,21,22	1.35	2 (11%)	21,30,33	2.01	3 (14%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
54	PSU	2w	32	54	18,21,22	1.38	2 (11%)	21,30,33	1.99	4 (19%)
1	5MC	2A	1962	1,56	19,22,23	1.52	3 (15%)	26,32,35	1.29	3 (11%)
54	PSU	1w	39	54	18,21,22	1.37	2 (11%)	21,30,33	1.96	3 (14%)
32	5MC	2a	1400	32	19,22,23	1.68	3 (15%)	26,32,35	1.20	3 (11%)
55	5MU	1x	54	55,56	19,22,23	1.45	6 (31%)	27,32,35	1.89	6 (22%)
32	M2G	1a	966	32	20,27,28	1.44	3 (15%)	19,40,43	1.00	1 (5%)
1	PSU	2A	1911	1	18,21,22	1.42	2 (11%)	21,30,33	1.84	4 (19%)
1	5MC	2A	1942	1	19,22,23	1.50	2 (10%)	26,32,35	1.12	2 (7%)
32	5MC	1a	967	32	19,22,23	1.67	3 (15%)	26,32,35	1.15	3 (11%)
54	PSU	2y	32	54	18,21,22	1.36	2 (11%)	21,30,33	1.93	4 (19%)
54	MIA	2w	37	54	19,27,32	1.80	3 (15%)	18,39,47	1.38	4 (22%)
43	0TD	1l	92	43	8,9,10	5.73	6 (75%)	6,11,13	4.21	3 (50%)
32	4OC	2a	1402	32,56	20,23,24	0.81	0	25,32,35	1.07	1 (4%)
54	5MU	1y	54	54	19,22,23	1.55	6 (31%)	27,32,35	1.99	6 (22%)
1	5MU	1A	1937	1	19,22,23	1.35	5 (26%)	27,32,35	2.18	7 (25%)
32	5MC	2a	1407	32	19,22,23	1.52	3 (15%)	26,32,35	1.21	4 (15%)
1	OMG	1A	2263	1,55,56	19,26,27	0.96	1 (5%)	21,38,41	1.05	2 (9%)
54	4SU	1y	8	54	18,21,22	1.72	4 (22%)	25,30,33	1.88	6 (24%)
54	PSU	1w	55	54	18,21,22	1.37	2 (11%)	21,30,33	1.98	3 (14%)
1	4OC	2A	1920	1	19,22,24	0.76	0	25,31,35	0.85	0
1	5MU	2A	1939	1,56	19,22,23	1.46	6 (31%)	27,32,35	2.51	6 (22%)
54	5MU	1w	54	54	19,22,23	1.47	5 (26%)	27,32,35	2.07	6 (22%)
1	5MU	1A	1961	1,56	19,22,23	1.32	4 (21%)	27,32,35	2.59	6 (22%)
54	MIA	2y	37	54	17,24,32	0.96	1 (5%)	16,35,47	1.35	2 (12%)
54	PSU	2w	39	54	18,21,22	1.35	2 (11%)	21,30,33	1.81	4 (19%)
1	OMG	2A	2251	1,55,56	19,26,27	0.90	1 (5%)	21,38,41	1.19	3 (14%)
54	4SU	2y	8	54	18,21,22	1.87	4 (22%)	25,30,33	2.25	5 (20%)
1	PSU	1A	1939	1	18,21,22	1.42	4 (22%)	21,30,33	2.12	4 (19%)

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

Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
32	MA6	2a	1518	32	-	0/7/29/30	0/3/3/3

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
54	PSU	2y	39	54	-	0/7/25/26	0/2/2/2
54	PSU	2w	55	56,54	-	0/7/25/26	0/2/2/2
1	4OC	1A	1942	1	-	1/9/27/30	0/2/2/2
1	5MC	1A	1984	1,56	-	0/7/25/26	0/2/2/2
32	7MG	1a	527	32,56	-	2/7/37/38	0/3/3/3
1	PSU	2A	2605	1	-	0/7/25/26	0/2/2/2
43	0TD	2l	92	43	-	1/7/12/14	-
54	7MG	2w	46	54	-	4/7/37/38	0/3/3/3
54	4SU	2w	8	54	-	1/7/25/26	0/2/2/2
32	7MG	2a	527	32,56	-	3/7/37/38	0/3/3/3
55	PSU	2x	55	55	-	0/7/25/26	0/2/2/2
54	4SU	1w	8	54	-	0/7/25/26	0/2/2/2
54	MIA	1y	37	54	-	0/3/25/34	0/3/3/3
32	UR3	1a	1498	32	-	0/7/25/26	0/2/2/2
32	PSU	1a	516	32	-	0/7/25/26	0/2/2/2
1	5MU	2A	1915	1	-	0/7/25/26	0/2/2/2
1	2MU	2A	2552	1,56	-	0/9/27/28	0/2/2/2
32	5MC	1a	1404	32	-	0/7/25/26	0/2/2/2
54	5MU	2y	54	54	-	2/7/25/26	0/2/2/2
32	2MG	1a	1207	32	-	0/5/27/28	0/3/3/3
1	PSU	1A	2617	1,56	-	0/7/25/26	0/2/2/2
32	5MC	1a	1400	32	-	2/7/25/26	0/2/2/2
55	5MU	2x	54	55	-	0/7/25/26	0/2/2/2
32	PSU	2a	516	32	-	0/7/25/26	0/2/2/2
1	PSU	1A	1933	1	-	0/7/25/26	0/2/2/2
1	5MC	1A	1964	1,56	-	0/7/25/26	0/2/2/2
32	4OC	1a	1402	32	-	3/9/29/30	0/2/2/2
55	4SU	1x	8	55	-	0/7/25/26	0/2/2/2
1	2MA	1A	2515	1,56	-	1/3/25/26	0/3/3/3
55	5MC	2x	32	55	-	0/7/25/26	0/2/2/2
32	5MC	1a	1407	32	-	0/7/25/26	0/2/2/2
32	2MG	2a	1207	32	-	0/5/27/28	0/3/3/3
32	MA6	1a	1519	32	-	3/7/29/30	0/3/3/3
32	5MC	2a	1404	32	-	0/7/25/26	0/2/2/2
55	5MC	1x	32	55	-	0/7/25/26	0/2/2/2
54	PSU	1y	39	54	-	0/7/25/26	0/2/2/2
32	M2G	2a	966	32	-	0/7/29/30	0/3/3/3
32	MA6	1a	1518	32	-	0/7/29/30	0/3/3/3
1	2MU	1A	2564	1,56	-	0/9/27/28	0/2/2/2
54	7MG	2y	46	54	-	3/7/37/38	0/3/3/3

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
1	2MA	2A	2503	1,56	-	1/3/25/26	0/3/3/3
54	MIA	1w	37	54	-	1/11/33/34	0/3/3/3
54	PSU	2y	55	54	-	2/7/25/26	0/2/2/2
1	PSU	2A	1917	1	-	0/7/25/26	0/2/2/2
54	PSU	1y	55	54	-	1/7/25/26	0/2/2/2
54	7MG	1y	46	54	-	2/7/37/38	0/3/3/3
32	MA6	2a	1519	32	-	2/7/29/30	0/3/3/3
54	5MU	2w	54	54	-	0/7/25/26	0/2/2/2
32	5MC	2a	967	32	-	0/7/25/26	0/2/2/2
54	7MG	1w	46	54	-	3/7/37/38	0/3/3/3
54	PSU	1y	32	54	-	0/7/25/26	0/2/2/2
32	UR3	2a	1498	32	-	0/7/25/26	0/2/2/2
55	4SU	2x	8	55	-	1/7/25/26	0/2/2/2
55	PSU	1x	55	55,56	-	0/7/25/26	0/2/2/2
54	PSU	1w	32	56,54	-	0/7/25/26	0/2/2/2
54	PSU	2w	32	54	-	0/7/25/26	0/2/2/2
1	5MC	2A	1962	1,56	-	0/7/25/26	0/2/2/2
54	PSU	1w	39	54	-	1/7/25/26	0/2/2/2
32	5MC	2a	1400	32	-	0/7/25/26	0/2/2/2
55	5MU	1x	54	55,56	-	0/7/25/26	0/2/2/2
32	M2G	1a	966	32	-	0/7/29/30	0/3/3/3
1	PSU	2A	1911	1	-	0/7/25/26	0/2/2/2
1	5MC	2A	1942	1	-	0/7/25/26	0/2/2/2
32	5MC	1a	967	32	-	0/7/25/26	0/2/2/2
54	PSU	2y	32	54	-	1/7/25/26	0/2/2/2
54	MIA	2w	37	54	-	2/7/29/34	0/3/3/3
43	0TD	1l	92	43	-	3/7/12/14	-
32	4OC	2a	1402	32,56	-	2/9/29/30	0/2/2/2
54	5MU	1y	54	54	-	3/7/25/26	0/2/2/2
1	5MU	1A	1937	1	-	0/7/25/26	0/2/2/2
32	5MC	2a	1407	32	-	0/7/25/26	0/2/2/2
1	OMG	1A	2263	1,55,56	-	0/5/27/28	0/3/3/3
54	4SU	1y	8	54	-	3/7/25/26	0/2/2/2
54	PSU	1w	55	54	-	0/7/25/26	0/2/2/2
1	4OC	2A	1920	1	-	0/9/27/30	0/2/2/2
1	5MU	2A	1939	1,56	-	0/7/25/26	0/2/2/2
54	5MU	1w	54	54	-	0/7/25/26	0/2/2/2
1	5MU	1A	1961	1,56	-	0/7/25/26	0/2/2/2
54	MIA	2y	37	54	-	3/3/25/34	0/3/3/3
54	PSU	2w	39	54	-	0/7/25/26	0/2/2/2

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
1	OMG	2A	2251	1,55,56	-	0/5/27/28	0/3/3/3
54	4SU	2y	8	54	-	0/7/25/26	0/2/2/2
1	PSU	1A	1939	1	-	0/7/25/26	0/2/2/2

The worst 5 of 236 bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
43	2l	92	0TD	CB-SB	-15.10	1.67	1.82
43	1l	92	0TD	CB-SB	-15.01	1.67	1.82
32	2a	967	5MC	C5-C4	7.30	1.49	1.44
54	1w	37	MIA	C2-S10	-6.99	1.70	1.75
54	1w	37	MIA	C13-C14	6.94	1.53	1.32

The worst 5 of 345 bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
54	2y	46	7MG	N9-C4-N3	10.07	140.22	125.46
54	1y	46	7MG	N9-C4-N3	9.11	138.80	125.46
54	1w	37	MIA	C12-C13-C14	-8.83	111.17	127.01
54	1w	46	7MG	N9-C4-N3	8.77	138.32	125.46
32	2a	527	7MG	N9-C4-N3	8.50	137.91	125.46

There are no chirality outliers.

5 of 57 torsion outliers are listed below:

Mol	Chain	Res	Type	Atoms
32	1a	1519	MA6	O4'-C4'-C5'-O5'
43	1l	92	0TD	SB-CB-CG-OD2
32	2a	1402	4OC	O4'-C4'-C5'-O5'
32	2a	1519	MA6	O4'-C4'-C5'-O5'
54	1w	37	MIA	C12-C13-C14-C16

There are no ring outliers.

No monomer is involved in short contacts.

5.5 Carbohydrates

There are no oligosaccharides in this entry.

5.6 Ligand geometry [i](#)

Of 2853 ligands modelled in this entry, 2851 are monoatomic - leaving 2 for Mogul analysis.

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

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\# Z > 2$	Counts	RMSZ	$\# Z > 2$
59	SF4	2d	501	35	0,12,12	-	-	-		
59	SF4	1d	501	35	0,12,12	-	-	-		

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

Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
59	SF4	2d	501	35	-	-	0/6/5/5
59	SF4	1d	501	35	-	-	0/6/5/5

There are no bond length outliers.

There are no bond angle outliers.

There are no chirality outliers.

There are no torsion outliers.

There are no ring outliers.

No monomer is involved in short contacts.

5.7 Other polymers [i](#)

There are no such residues in this entry.

5.8 Polymer linkage issues [i](#)

There are no chain breaks in this entry.

6 Fit of model and data ⓘ

6.1 Protein, DNA and RNA chains ⓘ

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

Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
1	1A	2860/2915 (98%)	-0.03	172 (6%) 29 27	24, 43, 91, 103	0
1	2A	2789/2915 (95%)	0.06	116 (4%) 41 38	28, 48, 89, 106	0
2	1B	120/121 (99%)	0.55	1 (0%) 82 79	39, 61, 72, 90	0
2	2B	120/121 (99%)	1.34	15 (12%) 9 9	45, 68, 77, 91	0
3	1D	275/276 (99%)	0.22	4 (1%) 71 68	25, 42, 58, 80	0
3	2D	275/276 (99%)	0.21	3 (1%) 77 74	28, 45, 61, 78	0
4	1E	204/206 (99%)	0.32	7 (3%) 48 45	23, 46, 66, 80	0
4	2E	204/206 (99%)	0.30	2 (0%) 79 76	26, 50, 67, 80	0
5	1F	203/210 (96%)	0.45	5 (2%) 58 55	22, 51, 76, 91	0
5	2F	203/210 (96%)	0.56	6 (2%) 52 49	27, 56, 76, 91	0
6	1G	181/182 (99%)	1.30	29 (16%) 6 6	48, 69, 80, 92	0
6	2G	181/182 (99%)	2.05	91 (50%) 0 0	54, 73, 81, 93	0
7	1H	174/180 (96%)	1.09	12 (6%) 24 22	47, 64, 74, 83	0
7	2H	174/180 (96%)	1.51	42 (24%) 2 2	54, 70, 78, 83	0
8	1I	146/148 (98%)	1.09	12 (8%) 19 18	49, 73, 82, 85	0
8	2I	146/148 (98%)	1.23	21 (14%) 7 7	50, 73, 82, 86	0
9	1N	140/140 (100%)	0.65	3 (2%) 63 60	31, 48, 67, 77	0
9	2N	140/140 (100%)	0.60	3 (2%) 63 60	37, 53, 71, 80	0
10	1O	122/122 (100%)	-0.02	2 (1%) 70 67	23, 40, 60, 74	0
10	2O	122/122 (100%)	0.78	4 (3%) 49 46	45, 59, 72, 81	0
11	1P	149/150 (99%)	0.74	13 (8%) 17 16	24, 53, 75, 81	0
11	2P	149/150 (99%)	0.75	9 (6%) 29 27	29, 58, 76, 85	0
12	1Q	141/141 (100%)	0.55	2 (1%) 73 70	33, 51, 68, 77	0
12	2Q	141/141 (100%)	1.16	24 (17%) 5 5	37, 56, 73, 79	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
13	1R	118/118 (100%)	0.06	0 100 100	29, 40, 55, 62	0
13	2R	118/118 (100%)	0.04	0 100 100	31, 43, 58, 65	0
14	1S	110/112 (98%)	1.09	12 (10%) 12 11	49, 62, 72, 77	0
14	2S	110/112 (98%)	1.82	37 (33%) 1 1	55, 66, 75, 79	0
15	1T	131/146 (89%)	0.59	8 (6%) 28 26	38, 50, 72, 77	0
15	2T	131/146 (89%)	0.57	3 (2%) 61 58	43, 53, 74, 78	0
16	1U	116/118 (98%)	0.29	2 (1%) 69 65	26, 39, 55, 73	0
16	2U	116/118 (98%)	0.45	1 (0%) 81 78	33, 46, 61, 73	0
17	1V	101/101 (100%)	0.48	3 (2%) 52 49	28, 51, 67, 76	0
17	2V	101/101 (100%)	0.86	5 (4%) 35 32	33, 57, 70, 76	0
18	1W	112/113 (99%)	0.04	2 (1%) 67 64	26, 37, 55, 88	0
18	2W	112/113 (99%)	0.09	2 (1%) 67 64	30, 41, 57, 88	0
19	1X	95/96 (98%)	0.41	3 (3%) 50 47	30, 44, 63, 75	0
19	2X	95/96 (98%)	0.54	1 (1%) 77 74	34, 49, 65, 76	0
20	1Y	107/110 (97%)	0.94	9 (8%) 18 17	45, 57, 74, 83	0
20	2Y	107/110 (97%)	1.27	13 (12%) 10 9	48, 61, 76, 86	0
21	1Z	154/206 (74%)	0.87	20 (12%) 9 8	38, 64, 86, 96	0
21	2Z	160/206 (77%)	2.24	96 (60%) 0 0	72, 83, 93, 99	0
22	10	83/85 (97%)	0.11	0 100 100	25, 38, 59, 71	0
22	20	83/85 (97%)	1.44	17 (20%) 3 3	41, 66, 78, 82	0
23	11	97/98 (98%)	0.17	1 (1%) 79 76	23, 44, 71, 77	0
23	21	97/98 (98%)	0.93	13 (13%) 8 8	38, 58, 74, 82	0
24	12	70/72 (97%)	0.78	5 (7%) 23 22	40, 57, 66, 79	0
24	22	70/72 (97%)	0.91	3 (4%) 40 37	46, 61, 69, 78	0
25	13	59/60 (98%)	0.48	1 (1%) 69 65	29, 45, 69, 83	0
25	23	59/60 (98%)	0.68	2 (3%) 48 45	36, 51, 72, 87	0
26	14	69/71 (97%)	1.64	22 (31%) 1 1	64, 79, 89, 97	0
26	24	69/71 (97%)	2.16	36 (52%) 0 0	70, 80, 89, 97	0
27	15	59/60 (98%)	0.02	1 (1%) 69 65	25, 36, 57, 72	0
27	25	59/60 (98%)	0.02	1 (1%) 69 65	30, 40, 60, 71	0
28	16	53/54 (98%)	0.44	1 (1%) 66 63	38, 51, 64, 74	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
28	26	53/54 (98%)	0.77	3 (5%) 30 28	42, 54, 65, 71	0
29	17	48/49 (97%)	0.02	5 (10%) 13 12	24, 31, 58, 69	0
29	27	48/49 (97%)	-0.02	2 (4%) 41 38	28, 35, 58, 70	0
30	18	64/65 (98%)	0.40	4 (6%) 27 25	33, 42, 50, 66	0
30	28	64/65 (98%)	0.60	1 (1%) 70 67	38, 46, 53, 67	0
31	19	37/37 (100%)	0.66	0 100 100	37, 50, 67, 68	0
31	29	37/37 (100%)	1.21	5 (13%) 8 7	46, 54, 71, 72	0
32	1a	1488/1521 (97%)	0.82	105 (7%) 23 22	42, 72, 92, 103	0
32	2a	1491/1521 (98%)	1.10	277 (18%) 4 4	44, 74, 93, 103	0
33	1b	231/256 (90%)	1.58	70 (30%) 1 1	69, 82, 89, 94	0
33	2b	231/256 (90%)	2.35	145 (62%) 0 0	72, 83, 89, 94	0
34	1c	206/239 (86%)	1.57	55 (26%) 2 2	67, 80, 86, 92	0
34	2c	206/239 (86%)	2.44	133 (64%) 0 0	69, 82, 88, 93	0
35	1d	208/209 (99%)	1.35	36 (17%) 5 5	56, 72, 80, 87	0
35	2d	208/209 (99%)	1.36	35 (16%) 5 5	58, 71, 80, 88	0
36	1e	148/162 (91%)	1.30	22 (14%) 7 6	56, 72, 80, 86	0
36	2e	148/162 (91%)	1.96	67 (45%) 1 1	59, 74, 83, 87	0
37	1f	100/101 (99%)	1.02	5 (5%) 35 32	50, 66, 76, 78	0
37	2f	100/101 (99%)	1.05	6 (6%) 29 27	60, 72, 80, 86	0
38	1g	155/156 (99%)	1.48	36 (23%) 2 3	62, 74, 83, 100	0
38	2g	155/156 (99%)	1.69	44 (28%) 1 1	65, 76, 84, 102	0
39	1h	137/138 (99%)	1.19	15 (10%) 12 11	60, 72, 78, 83	0
39	2h	137/138 (99%)	1.71	44 (32%) 1 1	64, 74, 80, 84	0
40	1i	127/128 (99%)	1.48	33 (25%) 2 2	51, 75, 83, 87	0
40	2i	127/128 (99%)	2.72	90 (70%) 0 0	71, 85, 91, 92	0
41	1j	97/105 (92%)	1.79	33 (34%) 1 1	59, 78, 90, 95	0
41	2j	96/105 (91%)	2.97	74 (77%) 0 0	74, 87, 94, 98	0
42	1k	114/129 (88%)	1.06	13 (11%) 11 10	52, 69, 80, 83	0
42	2k	114/129 (88%)	1.24	17 (14%) 7 6	55, 71, 81, 87	0
43	1l	121/132 (91%)	0.98	16 (13%) 8 8	53, 64, 74, 77	0
43	2l	121/132 (91%)	1.29	16 (13%) 8 8	55, 67, 75, 80	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
44	1m	123/126 (97%)	1.04	12 (9%) 14 13	54, 69, 78, 82	0
44	2m	122/126 (96%)	2.51	69 (56%) 0 0	73, 84, 90, 94	0
45	1n	60/61 (98%)	1.37	8 (13%) 8 8	57, 69, 78, 82	0
45	2n	60/61 (98%)	3.14	54 (90%) 0 0	78, 85, 93, 95	0
46	1o	88/89 (98%)	1.14	14 (15%) 6 6	56, 69, 78, 82	0
46	2o	88/89 (98%)	1.29	13 (14%) 7 7	57, 70, 80, 83	0
47	1p	82/88 (93%)	1.69	27 (32%) 1 1	58, 70, 80, 83	0
47	2p	82/88 (93%)	1.53	16 (19%) 4 4	59, 69, 81, 82	0
48	1q	99/105 (94%)	1.23	7 (7%) 23 22	57, 70, 79, 82	0
48	2q	99/105 (94%)	1.44	21 (21%) 3 3	60, 70, 79, 82	0
49	1r	68/88 (77%)	1.08	6 (8%) 17 16	60, 68, 79, 82	0
49	2r	68/88 (77%)	1.20	9 (13%) 8 8	60, 70, 80, 82	0
50	1s	83/93 (89%)	1.50	19 (22%) 2 3	70, 79, 86, 91	0
50	2s	83/93 (89%)	2.73	64 (77%) 0 0	74, 81, 88, 94	0
51	1t	96/106 (90%)	1.44	23 (23%) 2 2	58, 71, 80, 86	0
51	2t	96/106 (90%)	1.15	11 (11%) 11 10	59, 71, 81, 85	0
52	1u	23/27 (85%)	1.77	9 (39%) 1 1	65, 74, 78, 80	0
52	2u	23/27 (85%)	2.85	17 (73%) 0 0	68, 75, 80, 83	0
53	1v	13/24 (54%)	1.84	7 (53%) 0 0	60, 74, 92, 98	0
53	2v	13/24 (54%)	2.44	7 (53%) 0 0	65, 78, 95, 98	0
54	1w	67/76 (88%)	1.51	21 (31%) 1 1	44, 89, 97, 101	0
54	1y	67/76 (88%)	1.50	15 (22%) 3 3	37, 91, 97, 101	0
54	2w	65/76 (85%)	1.79	20 (30%) 1 1	56, 96, 101, 104	0
54	2y	66/76 (86%)	1.66	15 (22%) 3 3	51, 95, 99, 100	0
55	1x	72/77 (93%)	0.54	5 (6%) 24 22	33, 66, 84, 87	0
55	2x	72/77 (93%)	0.99	3 (4%) 41 38	52, 81, 90, 95	0
All	All	20875/21748 (95%)	0.79	2817 (13%) 8 7	22, 63, 88, 106	0

The worst 5 of 2817 RSRZ outliers are listed below:

Mol	Chain	Res	Type	RSRZ
44	2m	102	ARG	6.9
38	1g	80	VAL	6.8

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Mol	Chain	Res	Type	RSRZ
41	2j	40	LEU	6.7
45	2n	25	VAL	6.6
45	1n	2	ALA	6.6

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

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

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
54	7MG	2w	46	24/25	0.51	0.16	83,96,107,134	0
54	4SU	2w	8	20/21	0.58	0.16	81,98,120,128	0
54	7MG	2y	46	24/25	0.61	0.19	68,95,99,128	0
54	PSU	2y	55	20/21	0.61	0.15	80,96,115,118	0
54	5MU	2y	54	21/22	0.63	0.17	79,93,108,123	0
54	PSU	2w	55	20/21	0.65	0.17	80,94,98,113	0
54	7MG	1w	46	24/25	0.66	0.17	76,90,101,124	0
54	7MG	1y	46	24/25	0.67	0.17	76,95,106,115	0
54	5MU	1y	54	21/22	0.68	0.15	76,87,95,116	0
54	4SU	1y	8	20/21	0.70	0.17	80,98,105,114	0
54	MIA	2y	37	22/30	0.70	0.17	72,86,94,120	0
54	PSU	1y	55	20/21	0.72	0.16	72,89,99,120	0
54	4SU	2y	8	20/21	0.74	0.16	87,94,106,113	0
32	2MG	2a	1207	24/25	0.75	0.16	74,85,90,98	0
54	PSU	2y	32	20/21	0.76	0.17	73,89,97,108	0
55	PSU	2x	55	20/21	0.80	0.14	69,84,106,107	0
54	PSU	1y	32	20/21	0.81	0.16	69,87,94,95	0
54	PSU	2y	39	20/21	0.81	0.13	78,84,100,112	0
54	4SU	1w	8	20/21	0.81	0.14	75,86,105,114	0
54	5MU	2w	54	21/22	0.82	0.15	66,85,93,101	0
55	5MU	2x	54	21/22	0.82	0.15	71,87,95,100	0
54	MIA	1y	37	22/30	0.82	0.14	76,83,93,94	0
54	PSU	1w	55	20/21	0.83	0.12	72,81,90,98	0
55	4SU	2x	8	20/21	0.83	0.15	74,85,90,96	0
1	5MU	2A	1915	21/22	0.85	0.16	64,72,79,93	0
54	PSU	2w	39	20/21	0.86	0.14	80,88,96,102	0
54	PSU	2w	32	20/21	0.87	0.13	69,85,94,103	0
32	M2G	2a	966	25/26	0.87	0.18	52,69,95,99	0
54	MIA	2w	37	25/30	0.88	0.13	70,82,91,110	0
54	PSU	1y	39	20/21	0.88	0.12	71,81,89,95	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
43	0TD	2l	92	10/11	0.89	0.14	65,68,73,79	0
55	5MC	2x	32	21/22	0.89	0.15	65,78,87,88	0
32	PSU	2a	516	20/21	0.90	0.10	65,72,79,83	0
32	5MC	2a	967	21/22	0.91	0.15	62,71,79,86	0
43	0TD	1l	92	10/11	0.91	0.15	61,64,70,74	0
32	5MC	2a	1400	21/22	0.91	0.16	70,74,80,93	0
54	PSU	1w	32	20/21	0.91	0.12	59,72,79,83	0
32	5MC	2a	1404	21/22	0.91	0.12	47,59,74,77	0
32	7MG	2a	527	24/25	0.91	0.12	61,70,77,88	0
55	PSU	1x	55	20/21	0.91	0.11	56,67,81,87	0
1	PSU	2A	1917	20/21	0.91	0.12	56,65,75,76	0
54	MIA	1w	37	29/30	0.92	0.14	43,62,74,78	0
32	4OC	2a	1402	22/23	0.92	0.12	45,63,71,90	0
55	5MU	1x	54	21/22	0.92	0.11	57,71,79,83	0
1	PSU	2A	1911	20/21	0.93	0.10	56,60,66,70	0
32	PSU	1a	516	20/21	0.93	0.12	63,70,78,78	0
1	5MU	1A	1937	21/22	0.93	0.12	56,67,75,82	0
54	PSU	1w	39	20/21	0.93	0.10	50,70,80,83	0
1	4OC	2A	1920	21/23	0.93	0.12	46,57,62,72	0
32	UR3	2a	1498	21/22	0.93	0.12	48,58,62,68	0
55	5MC	1x	32	21/22	0.94	0.12	44,54,67,73	0
32	2MG	1a	1207	24/25	0.94	0.09	62,72,76,80	0
54	5MU	1w	54	21/22	0.94	0.10	55,67,78,79	0
1	PSU	1A	1939	20/21	0.94	0.13	53,60,71,72	0
1	5MU	2A	1939	21/22	0.94	0.10	24,34,41,46	0
32	MA6	2a	1518	24/25	0.94	0.13	41,63,74,82	0
1	5MC	1A	1964	21/22	0.95	0.10	38,47,52,60	0
1	PSU	1A	1933	20/21	0.95	0.12	49,59,62,66	0
55	4SU	1x	8	20/21	0.95	0.10	46,60,69,73	0
1	5MC	2A	1942	21/22	0.95	0.10	45,50,58,61	0
1	5MC	2A	1962	21/22	0.95	0.10	28,43,52,59	0
32	7MG	1a	527	24/25	0.95	0.10	40,50,60,67	0
32	5MC	2a	1407	21/22	0.95	0.12	48,57,69,76	0
32	M2G	1a	966	25/26	0.95	0.10	41,55,61,77	0
32	5MC	1a	967	21/22	0.95	0.11	51,58,67,70	0
32	MA6	2a	1519	24/25	0.95	0.13	47,65,74,81	0
32	MA6	1a	1519	24/25	0.96	0.10	39,48,57,71	0
1	PSU	2A	2605	20/21	0.96	0.07	25,33,40,42	0
32	5MC	1a	1407	21/22	0.96	0.10	34,42,56,62	0
1	5MU	1A	1961	21/22	0.97	0.08	21,33,38,44	0
32	5MC	1a	1400	21/22	0.97	0.09	39,53,61,67	0
32	4OC	1a	1402	22/23	0.97	0.09	37,47,55,61	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
32	5MC	1a	1404	21/22	0.97	0.08	32,43,50,53	0
1	4OC	1A	1942	21/23	0.97	0.10	42,55,61,65	0
1	2MU	1A	2564	21/23	0.97	0.08	26,36,40,46	0
1	PSU	1A	2617	20/21	0.97	0.08	24,31,37,39	0
1	OMG	2A	2251	24/25	0.97	0.07	27,36,44,46	0
1	2MA	2A	2503	23/24	0.97	0.07	25,30,35,37	0
1	2MU	2A	2552	21/23	0.97	0.08	28,38,46,52	0
1	OMG	1A	2263	24/25	0.98	0.07	22,32,39,44	0
32	UR3	1a	1498	21/22	0.98	0.06	38,43,50,54	0
32	MA6	1a	1518	24/25	0.98	0.09	31,47,51,57	0
1	2MA	1A	2515	23/24	0.98	0.08	20,26,31,34	0
1	5MC	1A	1984	21/22	0.98	0.07	31,38,48,57	0

6.3 Carbohydrates [i](#)

There are no monosaccharides in this entry.

6.4 Ligands [i](#)

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

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	1A	3786	1/1	0.26	0.30	81,81,81,81	0
56	MG	2B	3016	1/1	0.58	0.30	81,81,81,81	0
56	MG	1A	4076	1/1	0.59	0.14	75,75,75,75	0
56	MG	1A	3671	1/1	0.63	0.23	67,67,67,67	0
56	MG	1Z	302	1/1	0.64	0.15	67,67,67,67	0
56	MG	1G	3004	1/1	0.64	0.21	92,92,92,92	0
56	MG	2a	3201	1/1	0.66	0.25	79,79,79,79	0
56	MG	1A	3468	1/1	0.68	0.19	68,68,68,68	0
56	MG	2a	3028	1/1	0.68	0.39	84,84,84,84	0
56	MG	2A	3875	1/1	0.68	0.27	76,76,76,76	0
56	MG	15	103	1/1	0.69	0.19	61,61,61,61	0
56	MG	1a	1746	1/1	0.69	0.24	84,84,84,84	0
56	MG	1B	3032	1/1	0.70	0.25	80,80,80,80	0
56	MG	2a	3210	1/1	0.70	0.18	70,70,70,70	0
56	MG	1y	3004	1/1	0.71	0.19	86,86,86,86	0
56	MG	2a	3198	1/1	0.71	0.23	83,83,83,83	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	1A	3975	1/1	0.71	0.18	93,93,93,93	0
56	MG	1e	201	1/1	0.71	0.17	79,79,79,79	0
56	MG	2B	3014	1/1	0.72	0.18	77,77,77,77	0
56	MG	2A	3687	1/1	0.72	0.30	63,63,63,63	0
56	MG	1A	3894	1/1	0.73	0.21	73,73,73,73	0
56	MG	2A	3856	1/1	0.73	0.20	41,41,41,41	0
56	MG	1E	307	1/1	0.73	0.23	70,70,70,70	0
56	MG	2B	3021	1/1	0.74	0.28	75,75,75,75	0
56	MG	2a	3010	1/1	0.74	0.29	76,76,76,76	0
56	MG	1a	1773	1/1	0.74	0.13	90,90,90,90	0
56	MG	2a	3127	1/1	0.74	0.23	85,85,85,85	0
56	MG	2B	3003	1/1	0.74	0.27	74,74,74,74	0
56	MG	2A	3691	1/1	0.74	0.31	68,68,68,68	0
56	MG	2A	3686	1/1	0.74	0.24	57,57,57,57	0
56	MG	2a	3228	1/1	0.74	0.28	86,86,86,86	0
56	MG	1A	3566	1/1	0.75	0.31	72,72,72,72	0
56	MG	1a	1656	1/1	0.75	0.31	75,75,75,75	0
56	MG	1A	3466	1/1	0.75	0.16	64,64,64,64	0
56	MG	1A	3531	1/1	0.75	0.23	67,67,67,67	0
56	MG	2A	3821	1/1	0.75	0.19	79,79,79,79	0
56	MG	1B	3007	1/1	0.75	0.34	85,85,85,85	0
56	MG	1A	3994	1/1	0.76	0.19	76,76,76,76	0
56	MG	1a	1610	1/1	0.76	0.16	79,79,79,79	0
56	MG	2a	3046	1/1	0.76	0.25	64,64,64,64	0
56	MG	2A	3884	1/1	0.76	0.21	42,42,42,42	0
56	MG	2a	3131	1/1	0.76	0.31	80,80,80,80	0
56	MG	1A	4044	1/1	0.76	0.25	79,79,79,79	0
56	MG	2a	3199	1/1	0.76	0.21	72,72,72,72	0
56	MG	1A	3423	1/1	0.76	0.27	67,67,67,67	0
56	MG	1a	1750	1/1	0.76	0.32	85,85,85,85	0
56	MG	1A	3834	1/1	0.76	0.22	69,69,69,69	0
56	MG	2A	3656	1/1	0.77	0.17	77,77,77,77	0
56	MG	2a	3090	1/1	0.77	0.13	68,68,68,68	0
56	MG	1a	1776	1/1	0.77	0.13	91,91,91,91	0
56	MG	1A	3641	1/1	0.77	0.27	65,65,65,65	0
56	MG	2a	3136	1/1	0.77	0.20	73,73,73,73	0
56	MG	2a	3179	1/1	0.77	0.12	100,100,100,100	0
56	MG	2a	3192	1/1	0.77	0.23	63,63,63,63	0
56	MG	1A	3272	1/1	0.77	0.16	60,60,60,60	0
56	MG	2A	3710	1/1	0.77	0.15	63,63,63,63	0
56	MG	2A	3091	1/1	0.77	0.18	60,60,60,60	0
56	MG	2A	3536	1/1	0.77	0.14	51,51,51,51	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	2A	3871	1/1	0.77	0.15	70,70,70,70	0
56	MG	2a	3240	1/1	0.77	0.17	63,63,63,63	0
56	MG	1x	102	1/1	0.78	0.28	63,63,63,63	0
56	MG	1A	3585	1/1	0.78	0.21	66,66,66,66	0
56	MG	1A	3795	1/1	0.78	0.25	51,51,51,51	0
56	MG	2A	3362	1/1	0.78	0.23	68,68,68,68	0
56	MG	2A	3712	1/1	0.78	0.16	63,63,63,63	0
56	MG	2A	3754	1/1	0.78	0.13	45,45,45,45	0
56	MG	2A	3453	1/1	0.78	0.13	45,45,45,45	0
56	MG	2A	3844	1/1	0.78	0.15	50,50,50,50	0
56	MG	1U	202	1/1	0.78	0.36	73,73,73,73	0
56	MG	1A	3912	1/1	0.78	0.19	80,80,80,80	0
56	MG	2a	3117	1/1	0.78	0.26	81,81,81,81	0
56	MG	2v	3002	1/1	0.78	0.23	77,77,77,77	0
56	MG	2y	3005	1/1	0.78	0.25	82,82,82,82	0
56	MG	1a	1738	1/1	0.79	0.14	66,66,66,66	0
56	MG	2A	3865	1/1	0.79	0.13	71,71,71,71	0
56	MG	2a	3128	1/1	0.79	0.21	87,87,87,87	0
56	MG	1A	3521	1/1	0.79	0.22	65,65,65,65	0
56	MG	1A	3319	1/1	0.79	0.26	63,63,63,63	0
56	MG	2a	3155	1/1	0.79	0.14	81,81,81,81	0
56	MG	2A	3291	1/1	0.79	0.14	56,56,56,56	0
56	MG	1A	3832	1/1	0.79	0.17	62,62,62,62	0
56	MG	2A	3374	1/1	0.79	0.24	65,65,65,65	0
56	MG	2A	3719	1/1	0.79	0.23	57,57,57,57	0
56	MG	1A	3718	1/1	0.79	0.23	67,67,67,67	0
56	MG	2a	3003	1/1	0.79	0.15	64,64,64,64	0
56	MG	2A	3773	1/1	0.79	0.18	63,63,63,63	0
56	MG	1A	3879	1/1	0.79	0.20	51,51,51,51	0
56	MG	2A	3839	1/1	0.79	0.13	45,45,45,45	0
56	MG	2A	3646	1/1	0.79	0.14	55,55,55,55	0
56	MG	1A	3555	1/1	0.80	0.31	60,60,60,60	0
56	MG	1A	3164	1/1	0.80	0.28	73,73,73,73	0
56	MG	1A	3776	1/1	0.80	0.29	75,75,75,75	0
56	MG	2A	3364	1/1	0.80	0.30	77,77,77,77	0
56	MG	2E	308	1/1	0.80	0.13	38,38,38,38	0
56	MG	2Z	8001	1/1	0.80	0.19	78,78,78,78	0
56	MG	1A	3530	1/1	0.80	0.22	63,63,63,63	0
56	MG	1B	3029	1/1	0.80	0.24	66,66,66,66	0
56	MG	1A	3073	1/1	0.80	0.30	69,69,69,69	0
56	MG	2a	3034	1/1	0.80	0.26	72,72,72,72	0
56	MG	2a	3036	1/1	0.80	0.24	83,83,83,83	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	1A	3824	1/1	0.80	0.26	70,70,70,70	0
56	MG	2a	3229	1/1	0.80	0.33	69,69,69,69	0
56	MG	2A	3880	1/1	0.80	0.13	65,65,65,65	0
56	MG	2a	3110	1/1	0.80	0.26	73,73,73,73	0
56	MG	2x	102	1/1	0.80	0.23	77,77,77,77	0
56	MG	2A	3756	1/1	0.80	0.18	42,42,42,42	0
56	MG	2E	307	1/1	0.81	0.24	54,54,54,54	0
56	MG	2A	3266	1/1	0.81	0.17	59,59,59,59	0
56	MG	2A	3855	1/1	0.81	0.13	69,69,69,69	0
56	MG	1A	3830	1/1	0.81	0.12	66,66,66,66	0
56	MG	1A	3257	1/1	0.81	0.15	68,68,68,68	0
56	MG	1A	3264	1/1	0.81	0.13	63,63,63,63	0
56	MG	1A	3694	1/1	0.81	0.18	61,61,61,61	0
56	MG	1A	3888	1/1	0.81	0.15	70,70,70,70	0
56	MG	2a	3200	1/1	0.81	0.28	76,76,76,76	0
56	MG	2A	3058	1/1	0.81	0.21	66,66,66,66	0
56	MG	2a	3204	1/1	0.81	0.25	86,86,86,86	0
56	MG	2a	3206	1/1	0.81	0.17	69,69,69,69	0
56	MG	2a	3062	1/1	0.81	0.29	70,70,70,70	0
56	MG	1A	3548	1/1	0.81	0.19	49,49,49,49	0
56	MG	2a	3104	1/1	0.81	0.25	75,75,75,75	0
56	MG	2a	3108	1/1	0.81	0.29	78,78,78,78	0
56	MG	2j	8001	1/1	0.81	0.14	75,75,75,75	0
56	MG	2A	3116	1/1	0.81	0.30	68,68,68,68	0
56	MG	2w	101	1/1	0.81	0.28	73,73,73,73	0
56	MG	2w	108	1/1	0.81	0.22	66,66,66,66	0
56	MG	2A	3822	1/1	0.81	0.17	66,66,66,66	0
56	MG	2A	3117	1/1	0.81	0.21	63,63,63,63	0
56	MG	2y	3007	1/1	0.81	0.19	68,68,68,68	0
56	MG	1A	3320	1/1	0.82	0.23	60,60,60,60	0
56	MG	1B	3020	1/1	0.82	0.27	82,82,82,82	0
56	MG	1a	1665	1/1	0.82	0.20	78,78,78,78	0
56	MG	1a	1689	1/1	0.82	0.29	73,73,73,73	0
56	MG	1A	3913	1/1	0.82	0.15	80,80,80,80	0
56	MG	1a	1744	1/1	0.82	0.23	73,73,73,73	0
56	MG	2a	3161	1/1	0.82	0.14	91,91,91,91	0
56	MG	2A	3722	1/1	0.82	0.21	58,58,58,58	0
56	MG	2A	3748	1/1	0.82	0.14	57,57,57,57	0
56	MG	1A	3962	1/1	0.82	0.15	62,62,62,62	0
56	MG	2A	3342	1/1	0.82	0.20	59,59,59,59	0
56	MG	2a	3007	1/1	0.82	0.29	71,71,71,71	0
56	MG	1A	3875	1/1	0.82	0.20	60,60,60,60	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	2a	3013	1/1	0.82	0.34	78,78,78,78	0
56	MG	2a	3024	1/1	0.82	0.34	72,72,72,72	0
56	MG	1a	1755	1/1	0.82	0.12	74,74,74,74	0
56	MG	1A	3829	1/1	0.82	0.12	59,59,59,59	0
56	MG	1A	4024	1/1	0.82	0.14	71,71,71,71	0
56	MG	2a	3037	1/1	0.82	0.17	77,77,77,77	0
56	MG	2A	3466	1/1	0.82	0.26	65,65,65,65	0
56	MG	1A	3446	1/1	0.82	0.28	61,61,61,61	0
56	MG	2A	3607	1/1	0.82	0.19	55,55,55,55	0
56	MG	2w	104	1/1	0.82	0.15	69,69,69,69	0
56	MG	2a	3103	1/1	0.82	0.25	76,76,76,76	0
56	MG	2A	3644	1/1	0.82	0.18	64,64,64,64	0
56	MG	1f	3002	1/1	0.82	0.34	80,80,80,80	0
56	MG	1A	3646	1/1	0.82	0.10	32,32,32,32	0
56	MG	1w	109	1/1	0.83	0.22	67,67,67,67	0
56	MG	1A	4072	1/1	0.83	0.18	62,62,62,62	0
56	MG	1x	103	1/1	0.83	0.15	71,71,71,71	0
56	MG	1a	1672	1/1	0.83	0.13	73,73,73,73	0
56	MG	2A	3700	1/1	0.83	0.19	65,65,65,65	0
56	MG	2A	3039	1/1	0.83	0.13	55,55,55,55	0
56	MG	2a	3040	1/1	0.83	0.16	57,57,57,57	0
56	MG	1A	3487	1/1	0.83	0.24	70,70,70,70	0
56	MG	1a	1696	1/1	0.83	0.25	71,71,71,71	0
56	MG	2a	3085	1/1	0.83	0.28	65,65,65,65	0
56	MG	1A	3734	1/1	0.83	0.10	59,59,59,59	0
56	MG	2A	3737	1/1	0.83	0.20	72,72,72,72	0
56	MG	2A	3744	1/1	0.83	0.19	55,55,55,55	0
56	MG	1Y	503	1/1	0.83	0.18	78,78,78,78	0
56	MG	2A	3126	1/1	0.83	0.23	58,58,58,58	0
56	MG	2A	3138	1/1	0.83	0.21	59,59,59,59	0
56	MG	2A	3769	1/1	0.83	0.17	62,62,62,62	0
56	MG	2A	3169	1/1	0.83	0.48	73,73,73,73	0
56	MG	2A	3808	1/1	0.83	0.15	60,60,60,60	0
56	MG	2A	3229	1/1	0.83	0.15	41,41,41,41	0
56	MG	2A	3256	1/1	0.83	0.19	53,53,53,53	0
56	MG	1B	3019	1/1	0.83	0.18	56,56,56,56	0
56	MG	2a	3166	1/1	0.83	0.13	84,84,84,84	0
56	MG	1A	3799	1/1	0.83	0.16	57,57,57,57	0
56	MG	1A	3800	1/1	0.83	0.15	65,65,65,65	0
56	MG	2A	3353	1/1	0.83	0.18	65,65,65,65	0
56	MG	1a	1612	1/1	0.83	0.15	74,74,74,74	0
56	MG	1a	1645	1/1	0.83	0.19	80,80,80,80	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	1a	1784	1/1	0.83	0.16	74,74,74,74	0
56	MG	2A	3406	1/1	0.83	0.20	55,55,55,55	0
56	MG	2A	3447	1/1	0.83	0.26	46,46,46,46	0
56	MG	2A	3893	1/1	0.83	0.16	66,66,66,66	0
56	MG	1a	1824	1/1	0.83	0.16	73,73,73,73	0
56	MG	1a	1827	1/1	0.83	0.13	58,58,58,58	0
56	MG	2A	3501	1/1	0.83	0.18	59,59,59,59	0
56	MG	1A	3316	1/1	0.83	0.23	58,58,58,58	0
56	MG	2A	3577	1/1	0.83	0.22	56,56,56,56	0
56	MG	2A	3606	1/1	0.83	0.19	61,61,61,61	0
56	MG	2w	102	1/1	0.83	0.14	62,62,62,62	0
56	MG	1a	1663	1/1	0.83	0.17	76,76,76,76	0
56	MG	1v	3001	1/1	0.83	0.33	77,77,77,77	0
56	MG	1w	101	1/1	0.83	0.17	64,64,64,64	0
56	MG	2A	3647	1/1	0.83	0.20	51,51,51,51	0
56	MG	2a	3012	1/1	0.83	0.28	71,71,71,71	0
56	MG	2a	3099	1/1	0.84	0.27	74,74,74,74	0
56	MG	1A	4026	1/1	0.84	0.14	51,51,51,51	0
56	MG	1A	3890	1/1	0.84	0.17	57,57,57,57	0
56	MG	2A	3113	1/1	0.84	0.12	52,52,52,52	0
56	MG	2A	3728	1/1	0.84	0.12	58,58,58,58	0
56	MG	2B	3010	1/1	0.84	0.17	73,73,73,73	0
56	MG	1a	1676	1/1	0.84	0.32	67,67,67,67	0
56	MG	2A	3741	1/1	0.84	0.15	61,61,61,61	0
56	MG	2B	3020	1/1	0.84	0.31	78,78,78,78	0
56	MG	1A	3774	1/1	0.84	0.13	55,55,55,55	0
56	MG	2a	3138	1/1	0.84	0.14	79,79,79,79	0
56	MG	1a	1829	1/1	0.84	0.21	73,73,73,73	0
56	MG	1A	3727	1/1	0.84	0.17	36,36,36,36	0
56	MG	2T	3001	1/1	0.84	0.17	53,53,53,53	0
56	MG	2U	202	1/1	0.84	0.14	54,54,54,54	0
56	MG	1a	1704	1/1	0.84	0.23	63,63,63,63	0
56	MG	1A	3853	1/1	0.84	0.13	52,52,52,52	0
56	MG	2A	3770	1/1	0.84	0.13	57,57,57,57	0
56	MG	1A	3871	1/1	0.84	0.24	49,49,49,49	0
56	MG	1A	3323	1/1	0.84	0.17	50,50,50,50	0
56	MG	2A	3810	1/1	0.84	0.15	51,51,51,51	0
56	MG	2A	3819	1/1	0.84	0.20	64,64,64,64	0
56	MG	1w	110	1/1	0.84	0.18	66,66,66,66	0
56	MG	1A	3794	1/1	0.84	0.20	61,61,61,61	0
56	MG	2A	3667	1/1	0.84	0.15	49,49,49,49	0
56	MG	2A	3350	1/1	0.84	0.22	61,61,61,61	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	1A	4000	1/1	0.84	0.14	34,34,34,34	0
56	MG	2t	3001	1/1	0.84	0.18	60,60,60,60	0
56	MG	1x	109	1/1	0.84	0.21	82,82,82,82	0
56	MG	2a	3058	1/1	0.84	0.39	73,73,73,73	0
56	MG	2A	3699	1/1	0.84	0.11	76,76,76,76	0
56	MG	2a	3070	1/1	0.84	0.18	61,61,61,61	0
56	MG	2a	3083	1/1	0.84	0.22	72,72,72,72	0
56	MG	1a	1760	1/1	0.84	0.10	74,74,74,74	0
56	MG	1A	3757	1/1	0.84	0.17	27,27,27,27	0
56	MG	2a	3095	1/1	0.84	0.24	71,71,71,71	0
56	MG	2a	3076	1/1	0.85	0.16	73,73,73,73	0
56	MG	1A	3802	1/1	0.85	0.15	57,57,57,57	0
56	MG	2A	3625	1/1	0.85	0.21	69,69,69,69	0
56	MG	1a	1795	1/1	0.85	0.14	70,70,70,70	0
56	MG	2a	3093	1/1	0.85	0.25	64,64,64,64	0
56	MG	2A	3128	1/1	0.85	0.13	48,48,48,48	0
56	MG	1A	3823	1/1	0.85	0.21	65,65,65,65	0
56	MG	1a	1674	1/1	0.85	0.33	72,72,72,72	0
56	MG	2A	3876	1/1	0.85	0.15	66,66,66,66	0
56	MG	1A	4061	1/1	0.85	0.14	72,72,72,72	0
56	MG	1a	1688	1/1	0.85	0.26	74,74,74,74	0
56	MG	2a	3111	1/1	0.85	0.20	76,76,76,76	0
56	MG	2A	3892	1/1	0.85	0.16	78,78,78,78	0
56	MG	2a	3121	1/1	0.85	0.31	75,75,75,75	0
56	MG	2A	3259	1/1	0.85	0.26	61,61,61,61	0
56	MG	1A	3948	1/1	0.85	0.16	60,60,60,60	0
56	MG	2A	3696	1/1	0.85	0.12	58,58,58,58	0
56	MG	2A	3271	1/1	0.85	0.19	49,49,49,49	0
56	MG	1A	3332	1/1	0.85	0.30	56,56,56,56	0
56	MG	2a	3148	1/1	0.85	0.11	77,77,77,77	0
56	MG	2B	3019	1/1	0.85	0.16	76,76,76,76	0
56	MG	2A	3330	1/1	0.85	0.27	63,63,63,63	0
56	MG	2A	3341	1/1	0.85	0.19	52,52,52,52	0
56	MG	2a	3171	1/1	0.85	0.14	73,73,73,73	0
56	MG	2A	3716	1/1	0.85	0.18	55,55,55,55	0
56	MG	1B	3002	1/1	0.85	0.20	58,58,58,58	0
56	MG	1a	1718	1/1	0.85	0.24	70,70,70,70	0
56	MG	1a	1730	1/1	0.85	0.14	80,80,80,80	0
56	MG	2A	3354	1/1	0.85	0.24	68,68,68,68	0
56	MG	2A	3360	1/1	0.85	0.16	63,63,63,63	0
56	MG	1A	3343	1/1	0.85	0.27	59,59,59,59	0
56	MG	1a	1602	1/1	0.85	0.27	72,72,72,72	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	1B	3012	1/1	0.85	0.20	55,55,55,55	0
56	MG	2a	3221	1/1	0.85	0.21	60,60,60,60	0
56	MG	1x	114	1/1	0.85	0.22	82,82,82,82	0
56	MG	2A	3439	1/1	0.85	0.16	60,60,60,60	0
56	MG	2a	3230	1/1	0.85	0.13	63,63,63,63	0
56	MG	2a	3233	1/1	0.85	0.16	68,68,68,68	0
56	MG	2a	3234	1/1	0.85	0.14	66,66,66,66	0
56	MG	2a	3236	1/1	0.85	0.14	75,75,75,75	0
56	MG	1y	3002	1/1	0.85	0.22	75,75,75,75	0
56	MG	1A	3630	1/1	0.85	0.12	32,32,32,32	0
56	MG	2n	502	1/1	0.85	0.11	86,86,86,86	0
56	MG	2A	3780	1/1	0.85	0.16	80,80,80,80	0
56	MG	2v	3001	1/1	0.85	0.24	69,69,69,69	0
56	MG	1a	1617	1/1	0.85	0.14	63,63,63,63	0
56	MG	1A	3708	1/1	0.85	0.19	76,76,76,76	0
56	MG	1a	1762	1/1	0.85	0.17	78,78,78,78	0
56	MG	2a	3051	1/1	0.85	0.22	69,69,69,69	0
56	MG	2A	3568	1/1	0.85	0.13	46,46,46,46	0
56	MG	1B	3024	1/1	0.85	0.10	50,50,50,50	0
56	MG	1A	3478	1/1	0.85	0.34	65,65,65,65	0
56	MG	2a	3071	1/1	0.85	0.18	75,75,75,75	0
56	MG	1A	3428	1/1	0.86	0.13	51,51,51,51	0
56	MG	2A	3101	1/1	0.86	0.25	59,59,59,59	0
56	MG	1A	3937	1/1	0.86	0.15	31,31,31,31	0
56	MG	1a	1625	1/1	0.86	0.30	63,63,63,63	0
56	MG	2a	3030	1/1	0.86	0.11	61,61,61,61	0
56	MG	1A	3440	1/1	0.86	0.18	50,50,50,50	0
56	MG	1A	3679	1/1	0.86	0.18	39,39,39,39	0
56	MG	1O	206	1/1	0.86	0.19	84,84,84,84	0
56	MG	2a	3039	1/1	0.86	0.37	73,73,73,73	0
56	MG	1w	105	1/1	0.86	0.16	87,87,87,87	0
56	MG	1A	3970	1/1	0.86	0.13	70,70,70,70	0
56	MG	1V	203	1/1	0.86	0.17	67,67,67,67	0
56	MG	2a	3053	1/1	0.86	0.29	66,66,66,66	0
56	MG	2A	3245	1/1	0.86	0.20	59,59,59,59	0
56	MG	2A	3468	1/1	0.86	0.33	59,59,59,59	0
56	MG	2a	3064	1/1	0.86	0.19	81,81,81,81	0
56	MG	2A	3481	1/1	0.86	0.20	56,56,56,56	0
56	MG	1A	3692	1/1	0.86	0.20	64,64,64,64	0
56	MG	2A	3520	1/1	0.86	0.26	65,65,65,65	0
56	MG	1A	3488	1/1	0.86	0.21	59,59,59,59	0
56	MG	2a	3232	1/1	0.86	0.18	77,77,77,77	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	1a	1677	1/1	0.86	0.21	68,68,68,68	0
56	MG	1A	3350	1/1	0.86	0.28	59,59,59,59	0
56	MG	2A	3290	1/1	0.86	0.23	50,50,50,50	0
56	MG	2A	3757	1/1	0.86	0.13	52,52,52,52	0
56	MG	1y	3001	1/1	0.86	0.12	64,64,64,64	0
56	MG	2j	8002	1/1	0.86	0.13	66,66,66,66	0
56	MG	2A	3610	1/1	0.86	0.15	67,67,67,67	0
56	MG	2A	3295	1/1	0.86	0.16	63,63,63,63	0
56	MG	1A	3357	1/1	0.86	0.16	56,56,56,56	0
56	MG	2A	3799	1/1	0.86	0.22	68,68,68,68	0
56	MG	2A	3802	1/1	0.86	0.08	56,56,56,56	0
56	MG	28	102	1/1	0.86	0.16	52,52,52,52	0
56	MG	2a	3120	1/1	0.86	0.21	72,72,72,72	0
56	MG	1a	1790	1/1	0.86	0.13	73,73,73,73	0
56	MG	1A	3245	1/1	0.86	0.21	64,64,64,64	0
56	MG	2a	3008	1/1	0.86	0.29	68,68,68,68	0
56	MG	1a	1702	1/1	0.86	0.43	73,73,73,73	0
56	MG	1A	3424	1/1	0.87	0.23	70,70,70,70	0
56	MG	1A	3863	1/1	0.87	0.23	50,50,50,50	0
56	MG	2a	3048	1/1	0.87	0.27	67,67,67,67	0
56	MG	2a	3050	1/1	0.87	0.26	61,61,61,61	0
56	MG	2A	3023	1/1	0.87	0.11	48,48,48,48	0
56	MG	1a	1660	1/1	0.87	0.15	74,74,74,74	0
56	MG	2A	3421	1/1	0.87	0.22	61,61,61,61	0
56	MG	2A	3428	1/1	0.87	0.12	52,52,52,52	0
56	MG	2a	3063	1/1	0.87	0.18	74,74,74,74	0
56	MG	2A	3437	1/1	0.87	0.14	67,67,67,67	0
56	MG	2A	3051	1/1	0.87	0.11	43,43,43,43	0
56	MG	1a	1766	1/1	0.87	0.29	76,76,76,76	0
56	MG	2A	3062	1/1	0.87	0.18	61,61,61,61	0
56	MG	2A	3459	1/1	0.87	0.18	62,62,62,62	0
56	MG	1A	3987	1/1	0.87	0.11	32,32,32,32	0
56	MG	2A	3096	1/1	0.87	0.12	59,59,59,59	0
56	MG	2A	3814	1/1	0.87	0.19	55,55,55,55	0
56	MG	1A	3541	1/1	0.87	0.16	73,73,73,73	0
56	MG	2A	3488	1/1	0.87	0.18	65,65,65,65	0
56	MG	1a	1669	1/1	0.87	0.19	73,73,73,73	0
56	MG	2A	3829	1/1	0.87	0.13	59,59,59,59	0
56	MG	2A	3505	1/1	0.87	0.16	59,59,59,59	0
56	MG	2A	3507	1/1	0.87	0.20	64,64,64,64	0
56	MG	1a	1789	1/1	0.87	0.13	72,72,72,72	0
56	MG	1A	3696	1/1	0.87	0.14	61,61,61,61	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	1A	4012	1/1	0.87	0.12	34,34,34,34	0
56	MG	1a	1797	1/1	0.87	0.15	64,64,64,64	0
56	MG	2A	3601	1/1	0.87	0.11	39,39,39,39	0
56	MG	2A	3605	1/1	0.87	0.12	51,51,51,51	0
56	MG	1A	3544	1/1	0.87	0.10	47,47,47,47	0
56	MG	2a	3135	1/1	0.87	0.15	62,62,62,62	0
56	MG	2A	3883	1/1	0.87	0.18	56,56,56,56	0
56	MG	1A	3407	1/1	0.87	0.14	65,65,65,65	0
56	MG	2A	3220	1/1	0.87	0.27	68,68,68,68	0
56	MG	2A	3614	1/1	0.87	0.12	36,36,36,36	0
56	MG	2A	3906	1/1	0.87	0.35	62,62,62,62	0
56	MG	2B	3002	1/1	0.87	0.10	49,49,49,49	0
56	MG	1A	4033	1/1	0.87	0.11	76,76,76,76	0
56	MG	2B	3006	1/1	0.87	0.16	59,59,59,59	0
56	MG	2a	3187	1/1	0.87	0.20	72,72,72,72	0
56	MG	2A	3626	1/1	0.87	0.13	53,53,53,53	0
56	MG	2A	3635	1/1	0.87	0.17	43,43,43,43	0
56	MG	1A	3667	1/1	0.87	0.12	61,61,61,61	0
56	MG	1A	3432	1/1	0.87	0.16	54,54,54,54	0
56	MG	1n	102	1/1	0.87	0.31	66,66,66,66	0
56	MG	2A	3649	1/1	0.87	0.15	69,69,69,69	0
56	MG	1A	3895	1/1	0.87	0.14	61,61,61,61	0
56	MG	19	102	1/1	0.87	0.17	51,51,51,51	0
56	MG	2a	3220	1/1	0.87	0.16	66,66,66,66	0
56	MG	1w	104	1/1	0.87	0.23	69,69,69,69	0
56	MG	2a	3224	1/1	0.87	0.20	74,74,74,74	0
56	MG	2a	3226	1/1	0.87	0.27	64,64,64,64	0
56	MG	1A	3752	1/1	0.87	0.13	41,41,41,41	0
56	MG	1a	1721	1/1	0.87	0.14	58,58,58,58	0
56	MG	2A	3307	1/1	0.87	0.23	68,68,68,68	0
56	MG	2A	3326	1/1	0.87	0.31	64,64,64,64	0
56	MG	2a	3005	1/1	0.87	0.39	75,75,75,75	0
56	MG	2a	3006	1/1	0.87	0.22	74,74,74,74	0
56	MG	1a	1603	1/1	0.87	0.11	59,59,59,59	0
56	MG	2a	3238	1/1	0.87	0.20	62,62,62,62	0
56	MG	2A	3703	1/1	0.87	0.11	47,47,47,47	0
56	MG	2A	3336	1/1	0.87	0.14	53,53,53,53	0
56	MG	2A	3711	1/1	0.87	0.20	56,56,56,56	0
56	MG	2l	202	1/1	0.87	0.10	70,70,70,70	0
56	MG	1A	3218	1/1	0.87	0.18	62,62,62,62	0
56	MG	2a	3017	1/1	0.87	0.17	66,66,66,66	0
56	MG	2a	3019	1/1	0.87	0.14	57,57,57,57	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	1a	1743	1/1	0.87	0.17	73,73,73,73	0
56	MG	2A	3346	1/1	0.87	0.12	54,54,54,54	0
56	MG	1A	3766	1/1	0.87	0.12	47,47,47,47	0
56	MG	2a	3033	1/1	0.87	0.14	63,63,63,63	0
56	MG	1x	111	1/1	0.87	0.25	66,66,66,66	0
56	MG	1A	3685	1/1	0.87	0.23	60,60,60,60	0
56	MG	2y	3002	1/1	0.87	0.17	64,64,64,64	0
56	MG	1A	3691	1/1	0.87	0.20	41,41,41,41	0
56	MG	2A	3743	1/1	0.87	0.14	75,75,75,75	0
56	MG	1A	3370	1/1	0.88	0.21	57,57,57,57	0
56	MG	2A	3333	1/1	0.88	0.14	55,55,55,55	0
56	MG	1a	1666	1/1	0.88	0.14	59,59,59,59	0
56	MG	1A	3623	1/1	0.88	0.17	59,59,59,59	0
56	MG	1w	106	1/1	0.88	0.27	74,74,74,74	0
56	MG	1A	4113	1/1	0.88	0.17	56,56,56,56	0
56	MG	2A	3733	1/1	0.88	0.14	50,50,50,50	0
56	MG	1A	3377	1/1	0.88	0.16	54,54,54,54	0
56	MG	1A	3143	1/1	0.88	0.22	55,55,55,55	0
56	MG	1A	3278	1/1	0.88	0.12	51,51,51,51	0
56	MG	1A	3783	1/1	0.88	0.14	34,34,34,34	0
56	MG	1A	3648	1/1	0.88	0.12	55,55,55,55	0
56	MG	1A	3897	1/1	0.88	0.21	62,62,62,62	0
56	MG	2a	3059	1/1	0.88	0.24	74,74,74,74	0
56	MG	1B	3028	1/1	0.88	0.09	61,61,61,61	0
56	MG	2A	3378	1/1	0.88	0.13	62,62,62,62	0
56	MG	2A	3766	1/1	0.88	0.15	52,52,52,52	0
56	MG	2a	3069	1/1	0.88	0.13	62,62,62,62	0
56	MG	1A	3504	1/1	0.88	0.13	44,44,44,44	0
56	MG	2A	3413	1/1	0.88	0.14	56,56,56,56	0
56	MG	1A	3299	1/1	0.88	0.29	61,61,61,61	0
56	MG	2A	3425	1/1	0.88	0.20	58,58,58,58	0
56	MG	2A	3795	1/1	0.88	0.13	37,37,37,37	0
56	MG	1E	302	1/1	0.88	0.28	58,58,58,58	0
56	MG	1a	1726	1/1	0.88	0.40	67,67,67,67	0
56	MG	2A	3438	1/1	0.88	0.26	68,68,68,68	0
56	MG	1A	3918	1/1	0.88	0.13	56,56,56,56	0
56	MG	2A	3812	1/1	0.88	0.10	47,47,47,47	0
56	MG	2A	3441	1/1	0.88	0.11	51,51,51,51	0
56	MG	2a	3106	1/1	0.88	0.19	62,62,62,62	0
56	MG	2A	3056	1/1	0.88	0.13	60,60,60,60	0
56	MG	1a	1735	1/1	0.88	0.20	57,57,57,57	0
56	MG	1A	3333	1/1	0.88	0.18	52,52,52,52	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	2A	3066	1/1	0.88	0.10	41,41,41,41	0
56	MG	2A	3832	1/1	0.88	0.11	54,54,54,54	0
56	MG	1G	3005	1/1	0.88	0.16	66,66,66,66	0
56	MG	2A	3470	1/1	0.88	0.18	56,56,56,56	0
56	MG	2A	3854	1/1	0.88	0.11	77,77,77,77	0
56	MG	2A	3472	1/1	0.88	0.21	60,60,60,60	0
56	MG	1A	3308	1/1	0.88	0.19	51,51,51,51	0
56	MG	2A	3860	1/1	0.88	0.14	59,59,59,59	0
56	MG	2A	3100	1/1	0.88	0.12	57,57,57,57	0
56	MG	2a	3146	1/1	0.88	0.14	84,84,84,84	0
56	MG	2A	3500	1/1	0.88	0.16	55,55,55,55	0
56	MG	1R	203	1/1	0.88	0.19	47,47,47,47	0
56	MG	2A	3104	1/1	0.88	0.12	53,53,53,53	0
56	MG	2A	3506	1/1	0.88	0.18	31,31,31,31	0
56	MG	1A	3951	1/1	0.88	0.15	72,72,72,72	0
56	MG	1A	3348	1/1	0.88	0.15	62,62,62,62	0
56	MG	2a	3182	1/1	0.88	0.17	71,71,71,71	0
56	MG	1A	3542	1/1	0.88	0.29	75,75,75,75	0
56	MG	2A	3553	1/1	0.88	0.13	71,71,71,71	0
56	MG	2a	3193	1/1	0.88	0.28	73,73,73,73	0
56	MG	1A	3441	1/1	0.88	0.21	56,56,56,56	0
56	MG	2B	3001	1/1	0.88	0.21	62,62,62,62	0
56	MG	1A	3983	1/1	0.88	0.14	48,48,48,48	0
56	MG	1A	3444	1/1	0.88	0.33	63,63,63,63	0
56	MG	2B	3004	1/1	0.88	0.16	69,69,69,69	0
56	MG	2A	3604	1/1	0.88	0.26	64,64,64,64	0
56	MG	2B	3008	1/1	0.88	0.15	58,58,58,58	0
56	MG	2a	3214	1/1	0.88	0.09	91,91,91,91	0
56	MG	1A	3215	1/1	0.88	0.15	65,65,65,65	0
56	MG	2B	3011	1/1	0.88	0.25	67,67,67,67	0
56	MG	2A	3171	1/1	0.88	0.11	38,38,38,38	0
56	MG	1A	3997	1/1	0.88	0.12	39,39,39,39	0
56	MG	1A	3711	1/1	0.88	0.12	61,61,61,61	0
56	MG	2A	3239	1/1	0.88	0.14	52,52,52,52	0
56	MG	2A	3615	1/1	0.88	0.11	51,51,51,51	0
56	MG	2a	3231	1/1	0.88	0.11	68,68,68,68	0
56	MG	1A	3833	1/1	0.88	0.16	60,60,60,60	0
56	MG	1a	1613	1/1	0.88	0.11	74,74,74,74	0
56	MG	2O	8001	1/1	0.88	0.20	65,65,65,65	0
56	MG	2A	3257	1/1	0.88	0.25	65,65,65,65	0
56	MG	1A	3557	1/1	0.88	0.34	60,60,60,60	0
56	MG	1A	3836	1/1	0.88	0.20	54,54,54,54	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	2A	3268	1/1	0.88	0.16	63,63,63,63	0
56	MG	1a	1630	1/1	0.88	0.12	60,60,60,60	0
56	MG	2A	3281	1/1	0.88	0.15	63,63,63,63	0
56	MG	1a	1636	1/1	0.88	0.16	67,67,67,67	0
56	MG	2r	102	1/1	0.88	0.14	73,73,73,73	0
56	MG	2A	3685	1/1	0.88	0.10	53,53,53,53	0
56	MG	1A	3268	1/1	0.88	0.32	59,59,59,59	0
56	MG	1A	3856	1/1	0.88	0.16	47,47,47,47	0
56	MG	2A	3301	1/1	0.88	0.12	60,60,60,60	0
56	MG	2A	3304	1/1	0.88	0.17	60,60,60,60	0
56	MG	2A	3305	1/1	0.88	0.13	56,56,56,56	0
56	MG	1A	4049	1/1	0.88	0.11	55,55,55,55	0
56	MG	2a	3021	1/1	0.88	0.23	65,65,65,65	0
56	MG	2A	3322	1/1	0.88	0.16	60,60,60,60	0
56	MG	2a	3026	1/1	0.88	0.25	64,64,64,64	0
56	MG	1A	3581	1/1	0.88	0.19	58,58,58,58	0
56	MG	1A	3305	1/1	0.89	0.27	55,55,55,55	0
56	MG	1a	1623	1/1	0.89	0.14	60,60,60,60	0
56	MG	1a	1624	1/1	0.89	0.12	50,50,50,50	0
56	MG	2A	3261	1/1	0.89	0.17	59,59,59,59	0
56	MG	1A	3209	1/1	0.89	0.15	68,68,68,68	0
56	MG	2a	3014	1/1	0.89	0.18	64,64,64,64	0
56	MG	1a	1629	1/1	0.89	0.13	57,57,57,57	0
56	MG	2a	3018	1/1	0.89	0.26	65,65,65,65	0
56	MG	1A	4103	1/1	0.89	0.14	67,67,67,67	0
56	MG	1a	1633	1/1	0.89	0.15	60,60,60,60	0
56	MG	2A	3654	1/1	0.89	0.19	62,62,62,62	0
56	MG	2A	3655	1/1	0.89	0.13	65,65,65,65	0
56	MG	2A	3286	1/1	0.89	0.20	55,55,55,55	0
56	MG	1A	4104	1/1	0.89	0.09	30,30,30,30	0
56	MG	2a	3032	1/1	0.89	0.22	60,60,60,60	0
56	MG	1A	3392	1/1	0.89	0.19	56,56,56,56	0
56	MG	1A	3595	1/1	0.89	0.14	59,59,59,59	0
56	MG	1A	3901	1/1	0.89	0.22	43,43,43,43	0
56	MG	1a	1661	1/1	0.89	0.21	70,70,70,70	0
56	MG	1A	3699	1/1	0.89	0.18	64,64,64,64	0
56	MG	1A	3805	1/1	0.89	0.12	54,54,54,54	0
56	MG	2A	3309	1/1	0.89	0.12	53,53,53,53	0
56	MG	1A	3610	1/1	0.89	0.18	54,54,54,54	0
56	MG	1A	3926	1/1	0.89	0.17	53,53,53,53	0
56	MG	1B	3025	1/1	0.89	0.16	77,77,77,77	0
56	MG	2A	3332	1/1	0.89	0.14	62,62,62,62	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	1A	3344	1/1	0.89	0.25	64,64,64,64	0
56	MG	1A	3322	1/1	0.89	0.20	59,59,59,59	0
56	MG	1x	104	1/1	0.89	0.23	72,72,72,72	0
56	MG	1x	108	1/1	0.89	0.19	63,63,63,63	0
56	MG	1A	3723	1/1	0.89	0.09	47,47,47,47	0
56	MG	1B	3035	1/1	0.89	0.11	59,59,59,59	0
56	MG	2A	3738	1/1	0.89	0.16	59,59,59,59	0
56	MG	2A	3740	1/1	0.89	0.13	53,53,53,53	0
56	MG	1x	113	1/1	0.89	0.18	62,62,62,62	0
56	MG	2a	3081	1/1	0.89	0.12	49,49,49,49	0
56	MG	1A	3315	1/1	0.89	0.25	61,61,61,61	0
56	MG	1x	115	1/1	0.89	0.16	75,75,75,75	0
56	MG	2A	3747	1/1	0.89	0.13	51,51,51,51	0
56	MG	1a	1691	1/1	0.89	0.26	69,69,69,69	0
56	MG	1a	1694	1/1	0.89	0.14	58,58,58,58	0
56	MG	1A	3645	1/1	0.89	0.11	37,37,37,37	0
56	MG	2A	3008	1/1	0.89	0.14	49,49,49,49	0
56	MG	2A	3765	1/1	0.89	0.13	53,53,53,53	0
56	MG	2A	3380	1/1	0.89	0.11	55,55,55,55	0
56	MG	2A	3384	1/1	0.89	0.14	62,62,62,62	0
56	MG	2A	3393	1/1	0.89	0.10	48,48,48,48	0
56	MG	2A	3397	1/1	0.89	0.16	54,54,54,54	0
56	MG	1G	3002	1/1	0.89	0.15	56,56,56,56	0
56	MG	2a	3119	1/1	0.89	0.26	71,71,71,71	0
56	MG	2A	3408	1/1	0.89	0.10	51,51,51,51	0
56	MG	2A	3410	1/1	0.89	0.19	55,55,55,55	0
56	MG	2A	3412	1/1	0.89	0.20	59,59,59,59	0
56	MG	2A	3805	1/1	0.89	0.17	77,77,77,77	0
56	MG	1A	3744	1/1	0.89	0.22	74,74,74,74	0
56	MG	1A	3745	1/1	0.89	0.14	19,19,19,19	0
56	MG	2A	3424	1/1	0.89	0.21	50,50,50,50	0
56	MG	1O	201	1/1	0.89	0.18	63,63,63,63	0
56	MG	2a	3141	1/1	0.89	0.14	94,94,94,94	0
56	MG	1A	3850	1/1	0.89	0.11	53,53,53,53	0
56	MG	2A	3429	1/1	0.89	0.09	65,65,65,65	0
56	MG	1a	1727	1/1	0.89	0.15	49,49,49,49	0
56	MG	2a	3156	1/1	0.89	0.10	69,69,69,69	0
56	MG	1A	3425	1/1	0.89	0.11	55,55,55,55	0
56	MG	2A	3080	1/1	0.89	0.15	58,58,58,58	0
56	MG	2A	3836	1/1	0.89	0.20	42,42,42,42	0
56	MG	1T	8001	1/1	0.89	0.16	63,63,63,63	0
56	MG	1A	3855	1/1	0.89	0.20	53,53,53,53	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	2A	3450	1/1	0.89	0.24	50,50,50,50	0
56	MG	2a	3190	1/1	0.89	0.17	66,66,66,66	0
56	MG	2A	3452	1/1	0.89	0.21	42,42,42,42	0
56	MG	1A	3545	1/1	0.89	0.14	67,67,67,67	0
56	MG	1A	3649	1/1	0.89	0.10	54,54,54,54	0
56	MG	2A	3463	1/1	0.89	0.16	57,57,57,57	0
56	MG	2A	3867	1/1	0.89	0.09	64,64,64,64	0
56	MG	1A	4022	1/1	0.89	0.08	72,72,72,72	0
56	MG	1A	3866	1/1	0.89	0.18	46,46,46,46	0
56	MG	2a	3205	1/1	0.89	0.27	70,70,70,70	0
56	MG	2A	3469	1/1	0.89	0.17	55,55,55,55	0
56	MG	2a	3209	1/1	0.89	0.24	77,77,77,77	0
56	MG	1a	1751	1/1	0.89	0.16	70,70,70,70	0
56	MG	1a	1752	1/1	0.89	0.13	68,68,68,68	0
56	MG	2A	3119	1/1	0.89	0.14	47,47,47,47	0
56	MG	1A	3867	1/1	0.89	0.16	69,69,69,69	0
56	MG	1A	3484	1/1	0.89	0.13	54,54,54,54	0
56	MG	2A	3130	1/1	0.89	0.17	53,53,53,53	0
56	MG	2a	3227	1/1	0.89	0.18	59,59,59,59	0
56	MG	1A	3026	1/1	0.89	0.16	60,60,60,60	0
56	MG	2A	3147	1/1	0.89	0.18	58,58,58,58	0
56	MG	2A	3152	1/1	0.89	0.12	62,62,62,62	0
56	MG	2A	3515	1/1	0.89	0.11	55,55,55,55	0
56	MG	2A	3518	1/1	0.89	0.13	52,52,52,52	0
56	MG	2A	3153	1/1	0.89	0.18	52,52,52,52	0
56	MG	2A	3521	1/1	0.89	0.13	51,51,51,51	0
56	MG	2A	3535	1/1	0.89	0.22	59,59,59,59	0
56	MG	1a	1605	1/1	0.89	0.11	65,65,65,65	0
56	MG	2A	3540	1/1	0.89	0.10	47,47,47,47	0
56	MG	2d	502	1/1	0.89	0.17	68,68,68,68	0
56	MG	2g	8001	1/1	0.89	0.13	75,75,75,75	0
56	MG	2B	3017	1/1	0.89	0.13	65,65,65,65	0
56	MG	2A	3546	1/1	0.89	0.10	44,44,44,44	0
56	MG	2A	3549	1/1	0.89	0.16	58,58,58,58	0
56	MG	1a	1767	1/1	0.89	0.16	66,66,66,66	0
56	MG	2q	202	1/1	0.89	0.12	78,78,78,78	0
56	MG	2A	3555	1/1	0.89	0.12	43,43,43,43	0
56	MG	2A	3198	1/1	0.89	0.12	61,61,61,61	0
56	MG	2A	3206	1/1	0.89	0.20	56,56,56,56	0
56	MG	2A	3218	1/1	0.89	0.15	61,61,61,61	0
56	MG	1A	3362	1/1	0.89	0.16	54,54,54,54	0
56	MG	2W	202	1/1	0.89	0.11	58,58,58,58	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	2A	3228	1/1	0.89	0.30	65,65,65,65	0
56	MG	20	3001	1/1	0.89	0.17	59,59,59,59	0
56	MG	1A	3558	1/1	0.89	0.12	52,52,52,52	0
56	MG	1a	1779	1/1	0.89	0.12	65,65,65,65	0
56	MG	1A	4066	1/1	0.89	0.11	71,71,71,71	0
56	MG	2A	3255	1/1	0.89	0.12	59,59,59,59	0
58	ZN	24	501	1/1	0.89	0.11	128,128,128,128	0
56	MG	2A	3183	1/1	0.90	0.12	56,56,56,56	0
56	MG	2A	3186	1/1	0.90	0.17	54,54,54,54	0
56	MG	2A	3189	1/1	0.90	0.11	52,52,52,52	0
56	MG	1A	3418	1/1	0.90	0.14	54,54,54,54	0
56	MG	2A	3556	1/1	0.90	0.15	43,43,43,43	0
56	MG	2W	203	1/1	0.90	0.15	59,59,59,59	0
56	MG	1A	3525	1/1	0.90	0.22	58,58,58,58	0
56	MG	2A	3573	1/1	0.90	0.10	42,42,42,42	0
56	MG	23	101	1/1	0.90	0.17	61,61,61,61	0
56	MG	2A	3209	1/1	0.90	0.15	61,61,61,61	0
56	MG	2A	3579	1/1	0.90	0.17	60,60,60,60	0
56	MG	2A	3583	1/1	0.90	0.26	69,69,69,69	0
56	MG	11	103	1/1	0.90	0.09	65,65,65,65	0
56	MG	13	103	1/1	0.90	0.12	47,47,47,47	0
56	MG	1A	3821	1/1	0.90	0.13	47,47,47,47	0
56	MG	1a	1770	1/1	0.90	0.18	60,60,60,60	0
56	MG	16	104	1/1	0.90	0.20	53,53,53,53	0
56	MG	2A	3244	1/1	0.90	0.13	54,54,54,54	0
56	MG	18	103	1/1	0.90	0.13	72,72,72,72	0
56	MG	1A	3422	1/1	0.90	0.17	38,38,38,38	0
56	MG	2A	3619	1/1	0.90	0.14	37,37,37,37	0
56	MG	2A	3620	1/1	0.90	0.22	65,65,65,65	0
56	MG	2a	3020	1/1	0.90	0.16	71,71,71,71	0
56	MG	1a	1601	1/1	0.90	0.10	53,53,53,53	0
56	MG	1A	3342	1/1	0.90	0.14	57,57,57,57	0
56	MG	1A	4007	1/1	0.90	0.08	86,86,86,86	0
56	MG	2A	3642	1/1	0.90	0.16	47,47,47,47	0
56	MG	2a	3029	1/1	0.90	0.17	67,67,67,67	0
56	MG	1a	1794	1/1	0.90	0.12	52,52,52,52	0
56	MG	2a	3031	1/1	0.90	0.11	49,49,49,49	0
56	MG	2A	3265	1/1	0.90	0.15	59,59,59,59	0
56	MG	1A	3687	1/1	0.90	0.11	31,31,31,31	0
56	MG	1A	3053	1/1	0.90	0.13	52,52,52,52	0
56	MG	1a	1803	1/1	0.90	0.11	73,73,73,73	0
56	MG	1A	3312	1/1	0.90	0.33	59,59,59,59	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	2a	3038	1/1	0.90	0.09	68,68,68,68	0
56	MG	1A	3082	1/1	0.90	0.19	49,49,49,49	0
56	MG	2A	3664	1/1	0.90	0.11	54,54,54,54	0
56	MG	2a	3044	1/1	0.90	0.19	57,57,57,57	0
56	MG	2A	3287	1/1	0.90	0.16	55,55,55,55	0
56	MG	2A	3681	1/1	0.90	0.11	50,50,50,50	0
56	MG	1A	3188	1/1	0.90	0.12	49,49,49,49	0
56	MG	1d	502	1/1	0.90	0.29	67,67,67,67	0
56	MG	1a	1620	1/1	0.90	0.16	66,66,66,66	0
56	MG	2a	3056	1/1	0.90	0.22	63,63,63,63	0
56	MG	2a	3057	1/1	0.90	0.20	71,71,71,71	0
56	MG	1A	3698	1/1	0.90	0.12	73,73,73,73	0
56	MG	2A	3694	1/1	0.90	0.11	51,51,51,51	0
56	MG	1A	3189	1/1	0.90	0.23	43,43,43,43	0
56	MG	1A	4053	1/1	0.90	0.21	37,37,37,37	0
56	MG	1A	4060	1/1	0.90	0.09	37,37,37,37	0
56	MG	2A	3702	1/1	0.90	0.08	49,49,49,49	0
56	MG	1A	3703	1/1	0.90	0.12	56,56,56,56	0
56	MG	2A	3708	1/1	0.90	0.11	53,53,53,53	0
56	MG	2A	3313	1/1	0.90	0.27	64,64,64,64	0
56	MG	1A	3854	1/1	0.90	0.12	51,51,51,51	0
56	MG	1A	4068	1/1	0.90	0.14	48,48,48,48	0
56	MG	1w	107	1/1	0.90	0.32	67,67,67,67	0
56	MG	2a	3088	1/1	0.90	0.19	62,62,62,62	0
56	MG	2A	3717	1/1	0.90	0.11	39,39,39,39	0
56	MG	2a	3091	1/1	0.90	0.19	76,76,76,76	0
56	MG	1a	1639	1/1	0.90	0.14	62,62,62,62	0
56	MG	2a	3094	1/1	0.90	0.22	68,68,68,68	0
56	MG	1a	1640	1/1	0.90	0.14	58,58,58,58	0
56	MG	2a	3096	1/1	0.90	0.14	65,65,65,65	0
56	MG	1x	101	1/1	0.90	0.11	56,56,56,56	0
56	MG	2a	3101	1/1	0.90	0.16	56,56,56,56	0
56	MG	2A	3731	1/1	0.90	0.15	57,57,57,57	0
56	MG	2A	3340	1/1	0.90	0.13	51,51,51,51	0
56	MG	1A	3361	1/1	0.90	0.11	49,49,49,49	0
56	MG	1A	3298	1/1	0.90	0.11	43,43,43,43	0
56	MG	2A	3345	1/1	0.90	0.15	59,59,59,59	0
56	MG	1A	4084	1/1	0.90	0.10	50,50,50,50	0
56	MG	2a	3116	1/1	0.90	0.20	67,67,67,67	0
56	MG	2A	3348	1/1	0.90	0.16	48,48,48,48	0
56	MG	1x	106	1/1	0.90	0.15	63,63,63,63	0
56	MG	2A	3745	1/1	0.90	0.14	56,56,56,56	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	1A	3445	1/1	0.90	0.34	62,62,62,62	0
56	MG	2a	3122	1/1	0.90	0.27	73,73,73,73	0
56	MG	2a	3126	1/1	0.90	0.26	69,69,69,69	0
56	MG	1A	3253	1/1	0.90	0.09	61,61,61,61	0
56	MG	1A	3724	1/1	0.90	0.14	58,58,58,58	0
56	MG	1A	4116	1/1	0.90	0.12	41,41,41,41	0
56	MG	1A	4120	1/1	0.90	0.13	44,44,44,44	0
56	MG	2A	3758	1/1	0.90	0.13	58,58,58,58	0
56	MG	2A	3764	1/1	0.90	0.13	66,66,66,66	0
56	MG	1A	3870	1/1	0.90	0.11	39,39,39,39	0
56	MG	2a	3145	1/1	0.90	0.09	76,76,76,76	0
56	MG	1A	3572	1/1	0.90	0.11	55,55,55,55	0
56	MG	1A	3732	1/1	0.90	0.21	64,64,64,64	0
56	MG	2A	3381	1/1	0.90	0.11	53,53,53,53	0
56	MG	1y	3003	1/1	0.90	0.26	71,71,71,71	0
56	MG	2A	3386	1/1	0.90	0.22	63,63,63,63	0
56	MG	2A	3783	1/1	0.90	0.16	58,58,58,58	0
56	MG	2A	3387	1/1	0.90	0.19	59,59,59,59	0
56	MG	2a	3174	1/1	0.90	0.13	69,69,69,69	0
56	MG	2a	3178	1/1	0.90	0.12	75,75,75,75	0
56	MG	2A	3798	1/1	0.90	0.14	52,52,52,52	0
56	MG	1A	3304	1/1	0.90	0.28	55,55,55,55	0
56	MG	2A	3006	1/1	0.90	0.26	56,56,56,56	0
56	MG	1a	1682	1/1	0.90	0.10	66,66,66,66	0
56	MG	1a	1683	1/1	0.90	0.14	61,61,61,61	0
56	MG	1A	3737	1/1	0.90	0.14	57,57,57,57	0
56	MG	2a	3197	1/1	0.90	0.10	69,69,69,69	0
56	MG	2A	3050	1/1	0.90	0.09	51,51,51,51	0
56	MG	1A	3378	1/1	0.90	0.13	53,53,53,53	0
56	MG	2A	3815	1/1	0.90	0.17	48,48,48,48	0
56	MG	2A	3818	1/1	0.90	0.18	66,66,66,66	0
56	MG	2A	3420	1/1	0.90	0.14	43,43,43,43	0
56	MG	2A	3053	1/1	0.90	0.15	54,54,54,54	0
56	MG	1A	3471	1/1	0.90	0.21	57,57,57,57	0
56	MG	2A	3827	1/1	0.90	0.14	58,58,58,58	0
56	MG	1A	3607	1/1	0.90	0.11	35,35,35,35	0
56	MG	2A	3426	1/1	0.90	0.18	63,63,63,63	0
56	MG	2a	3215	1/1	0.90	0.17	71,71,71,71	0
56	MG	2a	3219	1/1	0.90	0.12	65,65,65,65	0
56	MG	1A	3754	1/1	0.90	0.15	48,48,48,48	0
56	MG	2A	3064	1/1	0.90	0.10	51,51,51,51	0
56	MG	2A	3065	1/1	0.90	0.19	57,57,57,57	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	1A	3472	1/1	0.90	0.15	56,56,56,56	0
56	MG	2A	3071	1/1	0.90	0.11	52,52,52,52	0
56	MG	1A	3905	1/1	0.90	0.14	46,46,46,46	0
56	MG	2A	3090	1/1	0.90	0.14	60,60,60,60	0
56	MG	1a	1705	1/1	0.90	0.30	63,63,63,63	0
56	MG	2A	3094	1/1	0.90	0.13	44,44,44,44	0
56	MG	1a	1709	1/1	0.90	0.14	59,59,59,59	0
56	MG	2A	3458	1/1	0.90	0.19	65,65,65,65	0
56	MG	1A	3618	1/1	0.90	0.14	56,56,56,56	0
56	MG	2a	3235	1/1	0.90	0.13	71,71,71,71	0
56	MG	1a	1720	1/1	0.90	0.21	67,67,67,67	0
56	MG	2a	3237	1/1	0.90	0.33	66,66,66,66	0
56	MG	1A	3770	1/1	0.90	0.09	74,74,74,74	0
56	MG	2A	3110	1/1	0.90	0.11	58,58,58,58	0
56	MG	2a	3242	1/1	0.90	0.18	55,55,55,55	0
56	MG	2A	3888	1/1	0.90	0.13	57,57,57,57	0
56	MG	1F	302	1/1	0.90	0.13	47,47,47,47	0
56	MG	1A	3386	1/1	0.90	0.19	54,54,54,54	0
56	MG	2A	3894	1/1	0.90	0.13	55,55,55,55	0
56	MG	1a	1729	1/1	0.90	0.27	61,61,61,61	0
56	MG	1A	3203	1/1	0.90	0.11	50,50,50,50	0
56	MG	2A	3123	1/1	0.90	0.16	56,56,56,56	0
56	MG	1a	1733	1/1	0.90	0.10	58,58,58,58	0
56	MG	1A	3406	1/1	0.90	0.17	47,47,47,47	0
56	MG	1A	3307	1/1	0.90	0.22	45,45,45,45	0
56	MG	2A	3134	1/1	0.90	0.16	72,72,72,72	0
56	MG	1A	3489	1/1	0.90	0.13	44,44,44,44	0
56	MG	1A	3955	1/1	0.90	0.11	30,30,30,30	0
56	MG	1A	3412	1/1	0.90	0.20	52,52,52,52	0
56	MG	1T	8002	1/1	0.90	0.13	58,58,58,58	0
56	MG	2A	3168	1/1	0.90	0.20	52,52,52,52	0
56	MG	1A	3512	1/1	0.90	0.11	50,50,50,50	0
56	MG	2y	3003	1/1	0.90	0.15	70,70,70,70	0
56	MG	1A	3665	1/1	0.90	0.13	60,60,60,60	0
56	MG	2A	3175	1/1	0.90	0.18	65,65,65,65	0
56	MG	2A	3544	1/1	0.90	0.11	42,42,42,42	0
56	MG	2A	3630	1/1	0.91	0.15	69,69,69,69	0
56	MG	1A	3560	1/1	0.91	0.25	55,55,55,55	0
56	MG	2A	3637	1/1	0.91	0.09	42,42,42,42	0
56	MG	2A	3308	1/1	0.91	0.11	49,49,49,49	0
56	MG	1N	201	1/1	0.91	0.36	59,59,59,59	0
56	MG	2A	3312	1/1	0.91	0.12	51,51,51,51	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	2a	3015	1/1	0.91	0.25	62,62,62,62	0
56	MG	2a	3016	1/1	0.91	0.17	66,66,66,66	0
56	MG	2A	3001	1/1	0.91	0.15	47,47,47,47	0
56	MG	2A	3317	1/1	0.91	0.12	55,55,55,55	0
56	MG	1N	205	1/1	0.91	0.18	57,57,57,57	0
56	MG	1a	1710	1/1	0.91	0.37	77,77,77,77	0
56	MG	1a	1712	1/1	0.91	0.24	67,67,67,67	0
56	MG	2a	3022	1/1	0.91	0.13	72,72,72,72	0
56	MG	1a	1713	1/1	0.91	0.10	68,68,68,68	0
56	MG	2A	3042	1/1	0.91	0.13	42,42,42,42	0
56	MG	2A	3670	1/1	0.91	0.18	70,70,70,70	0
56	MG	2A	3335	1/1	0.91	0.15	59,59,59,59	0
56	MG	2A	3684	1/1	0.91	0.09	44,44,44,44	0
56	MG	2A	3045	1/1	0.91	0.13	58,58,58,58	0
56	MG	1A	3564	1/1	0.91	0.08	40,40,40,40	0
56	MG	1a	1719	1/1	0.91	0.29	63,63,63,63	0
56	MG	1A	3565	1/1	0.91	0.28	71,71,71,71	0
56	MG	2A	3693	1/1	0.91	0.10	35,35,35,35	0
56	MG	1O	207	1/1	0.91	0.14	65,65,65,65	0
56	MG	1a	1722	1/1	0.91	0.17	65,65,65,65	0
56	MG	2A	3698	1/1	0.91	0.09	51,51,51,51	0
56	MG	2A	3060	1/1	0.91	0.20	53,53,53,53	0
56	MG	1A	3100	1/1	0.91	0.16	60,60,60,60	0
56	MG	2A	3063	1/1	0.91	0.17	67,67,67,67	0
56	MG	1A	4001	1/1	0.91	0.09	17,17,17,17	0
56	MG	1A	4002	1/1	0.91	0.19	33,33,33,33	0
56	MG	2A	3709	1/1	0.91	0.10	33,33,33,33	0
56	MG	1A	4006	1/1	0.91	0.09	76,76,76,76	0
56	MG	2a	3054	1/1	0.91	0.16	65,65,65,65	0
56	MG	2A	3067	1/1	0.91	0.10	57,57,57,57	0
56	MG	2A	3365	1/1	0.91	0.12	56,56,56,56	0
56	MG	1A	3568	1/1	0.91	0.16	50,50,50,50	0
56	MG	1Y	502	1/1	0.91	0.20	59,59,59,59	0
56	MG	2A	3718	1/1	0.91	0.16	64,64,64,64	0
56	MG	1A	4010	1/1	0.91	0.09	26,26,26,26	0
56	MG	1A	3571	1/1	0.91	0.11	57,57,57,57	0
56	MG	2a	3067	1/1	0.91	0.38	65,65,65,65	0
56	MG	10	105	1/1	0.91	0.20	70,70,70,70	0
56	MG	1A	3848	1/1	0.91	0.10	56,56,56,56	0
56	MG	1A	3110	1/1	0.91	0.10	42,42,42,42	0
56	MG	2a	3073	1/1	0.91	0.10	66,66,66,66	0
56	MG	2a	3074	1/1	0.91	0.18	63,63,63,63	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	1A	3851	1/1	0.91	0.17	62,62,62,62	0
56	MG	2a	3078	1/1	0.91	0.27	74,74,74,74	0
56	MG	1A	3719	1/1	0.91	0.10	50,50,50,50	0
56	MG	2A	3404	1/1	0.91	0.08	53,53,53,53	0
56	MG	1A	3270	1/1	0.91	0.17	59,59,59,59	0
56	MG	2A	3742	1/1	0.91	0.11	49,49,49,49	0
56	MG	1a	1757	1/1	0.91	0.15	48,48,48,48	0
56	MG	2A	3115	1/1	0.91	0.26	51,51,51,51	0
56	MG	1A	3325	1/1	0.91	0.22	64,64,64,64	0
56	MG	1A	4052	1/1	0.91	0.10	31,31,31,31	0
56	MG	1A	3410	1/1	0.91	0.10	57,57,57,57	0
56	MG	2A	3753	1/1	0.91	0.19	45,45,45,45	0
56	MG	1A	3597	1/1	0.91	0.17	50,50,50,50	0
56	MG	1A	3598	1/1	0.91	0.15	51,51,51,51	0
56	MG	1A	4065	1/1	0.91	0.10	51,51,51,51	0
56	MG	1A	3192	1/1	0.91	0.13	52,52,52,52	0
56	MG	2A	3759	1/1	0.91	0.09	46,46,46,46	0
56	MG	1A	3124	1/1	0.91	0.21	44,44,44,44	0
56	MG	1a	1783	1/1	0.91	0.15	83,83,83,83	0
56	MG	2A	3141	1/1	0.91	0.10	51,51,51,51	0
56	MG	2a	3115	1/1	0.91	0.16	57,57,57,57	0
56	MG	1A	3614	1/1	0.91	0.08	39,39,39,39	0
56	MG	1A	4074	1/1	0.91	0.13	64,64,64,64	0
56	MG	1A	3419	1/1	0.91	0.31	60,60,60,60	0
56	MG	2A	3442	1/1	0.91	0.24	50,50,50,50	0
56	MG	2A	3155	1/1	0.91	0.09	59,59,59,59	0
56	MG	1A	3505	1/1	0.91	0.11	47,47,47,47	0
56	MG	1A	3506	1/1	0.91	0.09	42,42,42,42	0
56	MG	1a	1628	1/1	0.91	0.19	58,58,58,58	0
56	MG	2A	3801	1/1	0.91	0.10	64,64,64,64	0
56	MG	2a	3129	1/1	0.91	0.15	59,59,59,59	0
56	MG	2a	3130	1/1	0.91	0.40	72,72,72,72	0
56	MG	2A	3454	1/1	0.91	0.18	58,58,58,58	0
56	MG	2A	3455	1/1	0.91	0.27	54,54,54,54	0
56	MG	2A	3457	1/1	0.91	0.25	57,57,57,57	0
56	MG	2A	3173	1/1	0.91	0.09	51,51,51,51	0
56	MG	2A	3174	1/1	0.91	0.10	53,53,53,53	0
56	MG	2A	3461	1/1	0.91	0.27	52,52,52,52	0
56	MG	1A	3334	1/1	0.91	0.24	56,56,56,56	0
56	MG	2A	3465	1/1	0.91	0.27	55,55,55,55	0
56	MG	2a	3149	1/1	0.91	0.09	56,56,56,56	0
56	MG	2A	3177	1/1	0.91	0.22	63,63,63,63	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	2A	3178	1/1	0.91	0.17	57,57,57,57	0
56	MG	2A	3180	1/1	0.91	0.15	51,51,51,51	0
56	MG	1A	3643	1/1	0.91	0.10	34,34,34,34	0
56	MG	1A	3513	1/1	0.91	0.14	62,62,62,62	0
56	MG	2A	3474	1/1	0.91	0.14	55,55,55,55	0
56	MG	2A	3475	1/1	0.91	0.10	44,44,44,44	0
56	MG	2A	3477	1/1	0.91	0.37	56,56,56,56	0
56	MG	2A	3479	1/1	0.91	0.32	54,54,54,54	0
56	MG	1a	1828	1/1	0.91	0.14	59,59,59,59	0
56	MG	2A	3487	1/1	0.91	0.26	62,62,62,62	0
56	MG	1A	3127	1/1	0.91	0.24	51,51,51,51	0
56	MG	2A	3492	1/1	0.91	0.11	54,54,54,54	0
56	MG	2a	3194	1/1	0.91	0.16	68,68,68,68	0
56	MG	2A	3864	1/1	0.91	0.09	63,63,63,63	0
56	MG	2A	3203	1/1	0.91	0.11	46,46,46,46	0
56	MG	1A	3048	1/1	0.91	0.23	48,48,48,48	0
56	MG	2A	3503	1/1	0.91	0.11	58,58,58,58	0
56	MG	1B	3006	1/1	0.91	0.25	45,45,45,45	0
56	MG	1a	1642	1/1	0.91	0.30	67,67,67,67	0
56	MG	1l	203	1/1	0.91	0.11	63,63,63,63	0
56	MG	2A	3224	1/1	0.91	0.14	52,52,52,52	0
56	MG	2a	3208	1/1	0.91	0.16	75,75,75,75	0
56	MG	1a	1643	1/1	0.91	0.22	61,61,61,61	0
56	MG	1A	3302	1/1	0.91	0.23	56,56,56,56	0
56	MG	2A	3890	1/1	0.91	0.14	61,61,61,61	0
56	MG	1A	3908	1/1	0.91	0.28	65,65,65,65	0
56	MG	2a	3218	1/1	0.91	0.16	61,61,61,61	0
56	MG	2A	3241	1/1	0.91	0.19	56,56,56,56	0
56	MG	1B	3016	1/1	0.91	0.13	54,54,54,54	0
56	MG	1A	3787	1/1	0.91	0.11	55,55,55,55	0
56	MG	2A	3908	1/1	0.91	0.17	44,44,44,44	0
56	MG	2A	3541	1/1	0.91	0.07	30,30,30,30	0
56	MG	1A	3788	1/1	0.91	0.18	59,59,59,59	0
56	MG	1B	3021	1/1	0.91	0.12	46,46,46,46	0
56	MG	1A	3152	1/1	0.91	0.13	55,55,55,55	0
56	MG	1A	3219	1/1	0.91	0.13	37,37,37,37	0
56	MG	2B	3007	1/1	0.91	0.14	55,55,55,55	0
56	MG	1A	3231	1/1	0.91	0.22	51,51,51,51	0
56	MG	2B	3009	1/1	0.91	0.21	61,61,61,61	0
56	MG	1A	3016	1/1	0.91	0.18	51,51,51,51	0
56	MG	1A	3247	1/1	0.91	0.13	58,58,58,58	0
56	MG	1B	3033	1/1	0.91	0.13	56,56,56,56	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	2A	3269	1/1	0.91	0.14	53,53,53,53	0
56	MG	1B	3034	1/1	0.91	0.11	58,58,58,58	0
56	MG	2A	3275	1/1	0.91	0.19	58,58,58,58	0
56	MG	2A	3592	1/1	0.91	0.23	57,57,57,57	0
56	MG	2A	3599	1/1	0.91	0.09	51,51,51,51	0
56	MG	2e	3001	1/1	0.91	0.12	79,79,79,79	0
56	MG	2D	305	1/1	0.91	0.18	50,50,50,50	0
56	MG	2E	306	1/1	0.91	0.16	67,67,67,67	0
56	MG	1A	3363	1/1	0.91	0.22	60,60,60,60	0
56	MG	2A	3603	1/1	0.91	0.10	50,50,50,50	0
56	MG	2A	3284	1/1	0.91	0.16	59,59,59,59	0
56	MG	1A	3181	1/1	0.91	0.20	54,54,54,54	0
56	MG	2T	3002	1/1	0.91	0.13	58,58,58,58	0
56	MG	2T	3003	1/1	0.91	0.18	63,63,63,63	0
56	MG	1A	3822	1/1	0.91	0.10	48,48,48,48	0
56	MG	1x	112	1/1	0.91	0.18	71,71,71,71	0
56	MG	1A	3182	1/1	0.91	0.14	55,55,55,55	0
56	MG	2Y	502	1/1	0.91	0.17	54,54,54,54	0
56	MG	1F	308	1/1	0.91	0.16	53,53,53,53	0
56	MG	2w	107	1/1	0.91	0.12	75,75,75,75	0
56	MG	1A	3982	1/1	0.91	0.12	29,29,29,29	0
56	MG	2A	3303	1/1	0.91	0.11	60,60,60,60	0
56	MG	2x	104	1/1	0.91	0.20	60,60,60,60	0
56	MG	27	101	1/1	0.91	0.17	51,51,51,51	0
56	MG	1a	1701	1/1	0.91	0.24	51,51,51,51	0
56	MG	2A	3622	1/1	0.91	0.26	63,63,63,63	0
56	MG	1A	3261	1/1	0.91	0.18	55,55,55,55	0
56	MG	2A	3306	1/1	0.91	0.11	58,58,58,58	0
56	MG	1A	3293	1/1	0.92	0.20	50,50,50,50	0
56	MG	2A	3106	1/1	0.92	0.16	59,59,59,59	0
56	MG	1A	4091	1/1	0.92	0.16	49,49,49,49	0
56	MG	1A	4093	1/1	0.92	0.33	35,35,35,35	0
56	MG	2A	3478	1/1	0.92	0.11	50,50,50,50	0
56	MG	1A	3686	1/1	0.92	0.12	35,35,35,35	0
56	MG	1A	3224	1/1	0.92	0.13	50,50,50,50	0
56	MG	2A	3482	1/1	0.92	0.26	63,63,63,63	0
56	MG	2A	3484	1/1	0.92	0.13	53,53,53,53	0
56	MG	2D	301	1/1	0.92	0.11	57,57,57,57	0
56	MG	2A	3485	1/1	0.92	0.18	63,63,63,63	0
56	MG	2E	302	1/1	0.92	0.09	52,52,52,52	0
56	MG	2E	303	1/1	0.92	0.11	49,49,49,49	0
56	MG	1A	4109	1/1	0.92	0.16	49,49,49,49	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	1a	1695	1/1	0.92	0.42	68,68,68,68	0
56	MG	1A	3689	1/1	0.92	0.12	51,51,51,51	0
56	MG	2F	302	1/1	0.92	0.15	53,53,53,53	0
56	MG	2G	3001	1/1	0.92	0.12	51,51,51,51	0
56	MG	2A	3493	1/1	0.92	0.19	53,53,53,53	0
56	MG	1a	1697	1/1	0.92	0.19	63,63,63,63	0
56	MG	1A	3543	1/1	0.92	0.17	73,73,73,73	0
56	MG	1A	3426	1/1	0.92	0.16	50,50,50,50	0
56	MG	1a	1703	1/1	0.92	0.31	55,55,55,55	0
56	MG	1A	4134	1/1	0.92	0.29	46,46,46,46	0
56	MG	1A	4138	1/1	0.92	0.12	43,43,43,43	0
56	MG	2A	3508	1/1	0.92	0.11	60,60,60,60	0
56	MG	1a	1707	1/1	0.92	0.37	63,63,63,63	0
56	MG	1a	1708	1/1	0.92	0.20	68,68,68,68	0
56	MG	1A	3859	1/1	0.92	0.14	44,44,44,44	0
56	MG	25	105	1/1	0.92	0.13	58,58,58,58	0
56	MG	1B	3003	1/1	0.92	0.15	56,56,56,56	0
56	MG	28	101	1/1	0.92	0.12	53,53,53,53	0
56	MG	2A	3531	1/1	0.92	0.12	51,51,51,51	0
56	MG	2A	3532	1/1	0.92	0.25	65,65,65,65	0
56	MG	2a	3004	1/1	0.92	0.21	57,57,57,57	0
56	MG	2A	3161	1/1	0.92	0.14	44,44,44,44	0
56	MG	1A	3861	1/1	0.92	0.12	33,33,33,33	0
56	MG	2A	3539	1/1	0.92	0.12	62,62,62,62	0
56	MG	1A	3169	1/1	0.92	0.22	55,55,55,55	0
56	MG	1B	3010	1/1	0.92	0.25	73,73,73,73	0
56	MG	2A	3172	1/1	0.92	0.09	47,47,47,47	0
56	MG	1A	3232	1/1	0.92	0.16	47,47,47,47	0
56	MG	1B	3014	1/1	0.92	0.09	63,63,63,63	0
56	MG	1A	3552	1/1	0.92	0.14	60,60,60,60	0
56	MG	1A	3438	1/1	0.92	0.15	50,50,50,50	0
56	MG	1a	1723	1/1	0.92	0.27	61,61,61,61	0
56	MG	2A	3560	1/1	0.92	0.13	63,63,63,63	0
56	MG	1A	3238	1/1	0.92	0.17	57,57,57,57	0
56	MG	2A	3572	1/1	0.92	0.10	44,44,44,44	0
56	MG	1A	3352	1/1	0.92	0.20	64,64,64,64	0
56	MG	1A	3878	1/1	0.92	0.12	33,33,33,33	0
56	MG	1A	3709	1/1	0.92	0.14	52,52,52,52	0
56	MG	1A	3882	1/1	0.92	0.12	36,36,36,36	0
56	MG	2A	3588	1/1	0.92	0.08	47,47,47,47	0
56	MG	2A	3590	1/1	0.92	0.14	64,64,64,64	0
56	MG	2A	3202	1/1	0.92	0.19	56,56,56,56	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	2A	3597	1/1	0.92	0.29	61,61,61,61	0
56	MG	1A	3884	1/1	0.92	0.14	48,48,48,48	0
56	MG	1a	1737	1/1	0.92	0.13	66,66,66,66	0
56	MG	1B	3030	1/1	0.92	0.12	59,59,59,59	0
56	MG	2A	3213	1/1	0.92	0.11	45,45,45,45	0
56	MG	1A	3886	1/1	0.92	0.12	57,57,57,57	0
56	MG	1A	3242	1/1	0.92	0.12	43,43,43,43	0
56	MG	1A	3563	1/1	0.92	0.16	43,43,43,43	0
56	MG	2A	3227	1/1	0.92	0.23	57,57,57,57	0
56	MG	2a	3041	1/1	0.92	0.22	50,50,50,50	0
56	MG	2a	3042	1/1	0.92	0.29	58,58,58,58	0
56	MG	1A	3306	1/1	0.92	0.24	38,38,38,38	0
56	MG	2a	3045	1/1	0.92	0.13	65,65,65,65	0
56	MG	1D	305	1/1	0.92	0.10	42,42,42,42	0
56	MG	2A	3238	1/1	0.92	0.22	56,56,56,56	0
56	MG	1D	311	1/1	0.92	0.21	56,56,56,56	0
56	MG	1A	3004	1/1	0.92	0.12	34,34,34,34	0
56	MG	1E	304	1/1	0.92	0.16	55,55,55,55	0
56	MG	1A	3450	1/1	0.92	0.15	57,57,57,57	0
56	MG	2A	3246	1/1	0.92	0.10	65,65,65,65	0
56	MG	2A	3252	1/1	0.92	0.15	52,52,52,52	0
56	MG	1A	3900	1/1	0.92	0.16	44,44,44,44	0
56	MG	2A	3640	1/1	0.92	0.15	45,45,45,45	0
56	MG	1A	3458	1/1	0.92	0.17	54,54,54,54	0
56	MG	1A	3904	1/1	0.92	0.12	36,36,36,36	0
56	MG	1A	3569	1/1	0.92	0.12	54,54,54,54	0
56	MG	2a	3065	1/1	0.92	0.09	57,57,57,57	0
56	MG	1a	1771	1/1	0.92	0.11	70,70,70,70	0
56	MG	1A	3570	1/1	0.92	0.09	54,54,54,54	0
56	MG	1I	3001	1/1	0.92	0.13	70,70,70,70	0
56	MG	2A	3267	1/1	0.92	0.18	58,58,58,58	0
56	MG	1A	3465	1/1	0.92	0.15	60,60,60,60	0
56	MG	2A	3658	1/1	0.92	0.14	55,55,55,55	0
56	MG	1a	1782	1/1	0.92	0.09	79,79,79,79	0
56	MG	2A	3270	1/1	0.92	0.10	53,53,53,53	0
56	MG	1A	3743	1/1	0.92	0.16	60,60,60,60	0
56	MG	2A	3274	1/1	0.92	0.24	53,53,53,53	0
56	MG	2A	3682	1/1	0.92	0.12	70,70,70,70	0
56	MG	2a	3087	1/1	0.92	0.17	63,63,63,63	0
56	MG	1A	3112	1/1	0.92	0.14	49,49,49,49	0
56	MG	2A	3280	1/1	0.92	0.14	54,54,54,54	0
56	MG	1a	1788	1/1	0.92	0.09	69,69,69,69	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	1A	3573	1/1	0.92	0.21	60,60,60,60	0
56	MG	1A	3936	1/1	0.92	0.10	31,31,31,31	0
56	MG	1Q	203	1/1	0.92	0.12	64,64,64,64	0
56	MG	2A	3288	1/1	0.92	0.08	49,49,49,49	0
56	MG	2a	3097	1/1	0.92	0.15	72,72,72,72	0
56	MG	2A	3695	1/1	0.92	0.13	38,38,38,38	0
56	MG	2a	3100	1/1	0.92	0.16	69,69,69,69	0
56	MG	1Q	205	1/1	0.92	0.12	39,39,39,39	0
56	MG	1A	3576	1/1	0.92	0.20	57,57,57,57	0
56	MG	1a	1798	1/1	0.92	0.13	56,56,56,56	0
56	MG	2a	3105	1/1	0.92	0.16	45,45,45,45	0
56	MG	1A	3947	1/1	0.92	0.09	44,44,44,44	0
56	MG	1a	1813	1/1	0.92	0.15	58,58,58,58	0
56	MG	1a	1815	1/1	0.92	0.07	64,64,64,64	0
56	MG	1a	1818	1/1	0.92	0.09	54,54,54,54	0
56	MG	2a	3114	1/1	0.92	0.10	51,51,51,51	0
56	MG	1A	3580	1/1	0.92	0.15	39,39,39,39	0
56	MG	1A	3367	1/1	0.92	0.13	57,57,57,57	0
56	MG	1U	203	1/1	0.92	0.25	42,42,42,42	0
56	MG	1A	3762	1/1	0.92	0.09	60,60,60,60	0
56	MG	2A	3310	1/1	0.92	0.23	62,62,62,62	0
56	MG	1W	201	1/1	0.92	0.24	57,57,57,57	0
56	MG	1A	3959	1/1	0.92	0.13	56,56,56,56	0
56	MG	2A	3314	1/1	0.92	0.12	47,47,47,47	0
56	MG	1A	3582	1/1	0.92	0.25	54,54,54,54	0
56	MG	2A	3321	1/1	0.92	0.19	54,54,54,54	0
56	MG	1A	3966	1/1	0.92	0.14	59,59,59,59	0
56	MG	1A	3114	1/1	0.92	0.17	57,57,57,57	0
56	MG	2A	3734	1/1	0.92	0.12	57,57,57,57	0
56	MG	2a	3132	1/1	0.92	0.25	63,63,63,63	0
56	MG	1s	101	1/1	0.92	0.15	65,65,65,65	0
56	MG	2A	3331	1/1	0.92	0.08	56,56,56,56	0
56	MG	10	106	1/1	0.92	0.10	65,65,65,65	0
56	MG	11	101	1/1	0.92	0.09	38,38,38,38	0
56	MG	1w	103	1/1	0.92	0.09	57,57,57,57	0
56	MG	1A	3256	1/1	0.92	0.09	57,57,57,57	0
56	MG	1A	3976	1/1	0.92	0.10	72,72,72,72	0
56	MG	1A	3980	1/1	0.92	0.10	74,74,74,74	0
56	MG	2a	3151	1/1	0.92	0.10	78,78,78,78	0
56	MG	2a	3152	1/1	0.92	0.09	67,67,67,67	0
56	MG	1A	3476	1/1	0.92	0.13	52,52,52,52	0
56	MG	18	102	1/1	0.92	0.17	50,50,50,50	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	2a	3158	1/1	0.92	0.09	52,52,52,52	0
56	MG	2A	3751	1/1	0.92	0.11	61,61,61,61	0
56	MG	2a	3165	1/1	0.92	0.10	54,54,54,54	0
56	MG	1A	3779	1/1	0.92	0.12	56,56,56,56	0
56	MG	1A	3782	1/1	0.92	0.16	25,25,25,25	0
56	MG	2A	3349	1/1	0.92	0.14	58,58,58,58	0
56	MG	1A	3116	1/1	0.92	0.14	47,47,47,47	0
56	MG	1A	3995	1/1	0.92	0.10	73,73,73,73	0
56	MG	1A	3996	1/1	0.92	0.08	43,43,43,43	0
56	MG	2A	3762	1/1	0.92	0.10	52,52,52,52	0
56	MG	2A	3359	1/1	0.92	0.11	56,56,56,56	0
56	MG	1a	1604	1/1	0.92	0.14	58,58,58,58	0
56	MG	1A	3483	1/1	0.92	0.09	46,46,46,46	0
56	MG	1A	3999	1/1	0.92	0.13	55,55,55,55	0
56	MG	1A	3382	1/1	0.92	0.12	54,54,54,54	0
56	MG	2A	3771	1/1	0.92	0.12	39,39,39,39	0
56	MG	2A	3772	1/1	0.92	0.13	53,53,53,53	0
56	MG	2A	3366	1/1	0.92	0.09	54,54,54,54	0
56	MG	2A	3774	1/1	0.92	0.10	51,51,51,51	0
56	MG	2A	3367	1/1	0.92	0.23	61,61,61,61	0
56	MG	1A	3613	1/1	0.92	0.08	33,33,33,33	0
56	MG	2A	3376	1/1	0.92	0.12	58,58,58,58	0
56	MG	1A	3088	1/1	0.92	0.10	47,47,47,47	0
56	MG	1a	1618	1/1	0.92	0.09	48,48,48,48	0
56	MG	1A	4003	1/1	0.92	0.09	20,20,20,20	0
56	MG	1a	1622	1/1	0.92	0.25	62,62,62,62	0
56	MG	1A	3089	1/1	0.92	0.14	48,48,48,48	0
56	MG	1A	3395	1/1	0.92	0.13	42,42,42,42	0
56	MG	1A	3399	1/1	0.92	0.11	52,52,52,52	0
56	MG	2A	3811	1/1	0.92	0.09	47,47,47,47	0
56	MG	1A	3631	1/1	0.92	0.08	32,32,32,32	0
56	MG	2a	3222	1/1	0.92	0.14	63,63,63,63	0
56	MG	2A	3398	1/1	0.92	0.22	55,55,55,55	0
56	MG	1A	3266	1/1	0.92	0.08	52,52,52,52	0
56	MG	1A	3808	1/1	0.92	0.10	36,36,36,36	0
56	MG	2A	3018	1/1	0.92	0.14	44,44,44,44	0
56	MG	1A	3096	1/1	0.92	0.20	49,49,49,49	0
56	MG	2A	3411	1/1	0.92	0.12	53,53,53,53	0
56	MG	2A	3029	1/1	0.92	0.13	44,44,44,44	0
56	MG	2A	3035	1/1	0.92	0.08	31,31,31,31	0
56	MG	1a	1635	1/1	0.92	0.37	75,75,75,75	0
56	MG	1A	3148	1/1	0.92	0.24	48,48,48,48	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	2A	3422	1/1	0.92	0.13	58,58,58,58	0
56	MG	1A	4036	1/1	0.92	0.09	43,43,43,43	0
56	MG	1A	3328	1/1	0.92	0.16	64,64,64,64	0
56	MG	1A	4047	1/1	0.92	0.14	50,50,50,50	0
56	MG	1A	3330	1/1	0.92	0.12	50,50,50,50	0
56	MG	1A	3023	1/1	0.92	0.21	59,59,59,59	0
56	MG	2A	3434	1/1	0.92	0.12	59,59,59,59	0
56	MG	1A	3659	1/1	0.92	0.07	23,23,23,23	0
56	MG	1a	1657	1/1	0.92	0.15	57,57,57,57	0
56	MG	1A	4054	1/1	0.92	0.11	81,81,81,81	0
56	MG	1A	3831	1/1	0.92	0.29	70,70,70,70	0
56	MG	1a	1662	1/1	0.92	0.10	67,67,67,67	0
56	MG	1A	3527	1/1	0.92	0.14	40,40,40,40	0
56	MG	1A	3101	1/1	0.92	0.13	44,44,44,44	0
56	MG	1A	3285	1/1	0.92	0.18	39,39,39,39	0
56	MG	2A	3068	1/1	0.92	0.11	56,56,56,56	0
56	MG	1A	3835	1/1	0.92	0.14	59,59,59,59	0
56	MG	2A	3074	1/1	0.92	0.19	73,73,73,73	0
56	MG	2A	3077	1/1	0.92	0.09	45,45,45,45	0
56	MG	1a	1671	1/1	0.92	0.25	66,66,66,66	0
56	MG	2A	3088	1/1	0.92	0.10	49,49,49,49	0
56	MG	1A	4071	1/1	0.92	0.08	26,26,26,26	0
56	MG	2A	3910	1/1	0.92	0.18	57,57,57,57	0
56	MG	1A	3539	1/1	0.92	0.08	49,49,49,49	0
56	MG	1A	3844	1/1	0.92	0.12	54,54,54,54	0
56	MG	2y	3001	1/1	0.92	0.15	59,59,59,59	0
56	MG	1A	3682	1/1	0.92	0.12	35,35,35,35	0
56	MG	2A	3097	1/1	0.92	0.07	56,56,56,56	0
56	MG	1a	1679	1/1	0.92	0.11	73,73,73,73	0
56	MG	1a	1681	1/1	0.92	0.16	54,54,54,54	0
56	MG	2A	3471	1/1	0.92	0.23	54,54,54,54	0
56	MG	2A	3534	1/1	0.93	0.09	40,40,40,40	0
56	MG	1A	3490	1/1	0.93	0.08	50,50,50,50	0
56	MG	1a	1823	1/1	0.93	0.12	68,68,68,68	0
56	MG	1A	3722	1/1	0.93	0.14	39,39,39,39	0
56	MG	1A	3183	1/1	0.93	0.08	54,54,54,54	0
56	MG	1A	3340	1/1	0.93	0.21	58,58,58,58	0
56	MG	1A	3589	1/1	0.93	0.11	52,52,52,52	0
56	MG	1b	3001	1/1	0.93	0.07	83,83,83,83	0
56	MG	2Q	3001	1/1	0.93	0.10	50,50,50,50	0
56	MG	2A	3254	1/1	0.93	0.18	53,53,53,53	0
56	MG	2A	3552	1/1	0.93	0.12	59,59,59,59	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	1b	3002	1/1	0.93	0.15	61,61,61,61	0
56	MG	1A	4087	1/1	0.93	0.20	54,54,54,54	0
56	MG	2W	201	1/1	0.93	0.14	57,57,57,57	0
56	MG	1A	3872	1/1	0.93	0.11	33,33,33,33	0
56	MG	1A	4092	1/1	0.93	0.20	37,37,37,37	0
56	MG	2A	3561	1/1	0.93	0.09	62,62,62,62	0
56	MG	1A	3729	1/1	0.93	0.11	42,42,42,42	0
56	MG	2A	3262	1/1	0.93	0.12	57,57,57,57	0
56	MG	1a	1627	1/1	0.93	0.20	55,55,55,55	0
56	MG	1A	4095	1/1	0.93	0.09	67,67,67,67	0
56	MG	1A	3592	1/1	0.93	0.12	21,21,21,21	0
56	MG	1A	3733	1/1	0.93	0.08	52,52,52,52	0
56	MG	1a	1631	1/1	0.93	0.23	54,54,54,54	0
56	MG	1A	3594	1/1	0.93	0.10	31,31,31,31	0
56	MG	1A	3420	1/1	0.93	0.20	55,55,55,55	0
56	MG	2A	3272	1/1	0.93	0.12	51,51,51,51	0
56	MG	1A	3885	1/1	0.93	0.10	37,37,37,37	0
56	MG	1a	1637	1/1	0.93	0.25	68,68,68,68	0
56	MG	2A	3278	1/1	0.93	0.11	57,57,57,57	0
56	MG	1a	1638	1/1	0.93	0.12	58,58,58,58	0
56	MG	2a	3011	1/1	0.93	0.24	64,64,64,64	0
56	MG	1A	3596	1/1	0.93	0.15	51,51,51,51	0
56	MG	2A	3282	1/1	0.93	0.15	63,63,63,63	0
56	MG	1A	4123	1/1	0.93	0.12	35,35,35,35	0
56	MG	1A	4125	1/1	0.93	0.21	54,54,54,54	0
56	MG	1A	3509	1/1	0.93	0.11	45,45,45,45	0
56	MG	1A	3185	1/1	0.93	0.12	47,47,47,47	0
56	MG	2A	3617	1/1	0.93	0.11	38,38,38,38	0
56	MG	1x	105	1/1	0.93	0.11	62,62,62,62	0
56	MG	1a	1648	1/1	0.93	0.12	59,59,59,59	0
56	MG	1x	107	1/1	0.93	0.09	61,61,61,61	0
56	MG	2A	3300	1/1	0.93	0.22	55,55,55,55	0
56	MG	1a	1651	1/1	0.93	0.13	56,56,56,56	0
56	MG	1A	3746	1/1	0.93	0.17	55,55,55,55	0
56	MG	1x	110	1/1	0.93	0.12	52,52,52,52	0
56	MG	1A	3748	1/1	0.93	0.14	25,25,25,25	0
56	MG	1A	3240	1/1	0.93	0.08	35,35,35,35	0
56	MG	1A	3753	1/1	0.93	0.14	34,34,34,34	0
56	MG	2A	3643	1/1	0.93	0.08	34,34,34,34	0
56	MG	1B	3009	1/1	0.93	0.14	43,43,43,43	0
56	MG	1A	3300	1/1	0.93	0.25	61,61,61,61	0
56	MG	1A	3756	1/1	0.93	0.09	39,39,39,39	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	1B	3013	1/1	0.93	0.07	55,55,55,55	0
56	MG	2A	3653	1/1	0.93	0.25	58,58,58,58	0
56	MG	1A	3133	1/1	0.93	0.11	44,44,44,44	0
56	MG	1A	3906	1/1	0.93	0.11	51,51,51,51	0
56	MG	1A	3907	1/1	0.93	0.15	54,54,54,54	0
56	MG	1A	3526	1/1	0.93	0.15	53,53,53,53	0
56	MG	1a	1675	1/1	0.93	0.12	60,60,60,60	0
56	MG	2A	3016	1/1	0.93	0.15	61,61,61,61	0
56	MG	2A	3017	1/1	0.93	0.21	52,52,52,52	0
56	MG	2A	3671	1/1	0.93	0.08	46,46,46,46	0
56	MG	2a	3049	1/1	0.93	0.19	55,55,55,55	0
56	MG	2A	3673	1/1	0.93	0.14	64,64,64,64	0
56	MG	2A	3674	1/1	0.93	0.15	55,55,55,55	0
56	MG	1A	3616	1/1	0.93	0.11	40,40,40,40	0
56	MG	1B	3022	1/1	0.93	0.15	60,60,60,60	0
56	MG	1A	3087	1/1	0.93	0.15	32,32,32,32	0
56	MG	1A	3190	1/1	0.93	0.15	39,39,39,39	0
56	MG	1A	3353	1/1	0.93	0.25	64,64,64,64	0
56	MG	2A	3339	1/1	0.93	0.12	51,51,51,51	0
56	MG	2a	3060	1/1	0.93	0.09	63,63,63,63	0
56	MG	2a	3061	1/1	0.93	0.18	54,54,54,54	0
56	MG	1A	3778	1/1	0.93	0.16	57,57,57,57	0
56	MG	2A	3043	1/1	0.93	0.09	53,53,53,53	0
56	MG	1a	1686	1/1	0.93	0.21	54,54,54,54	0
56	MG	2A	3343	1/1	0.93	0.10	57,57,57,57	0
56	MG	2A	3344	1/1	0.93	0.12	55,55,55,55	0
56	MG	1A	3537	1/1	0.93	0.13	49,49,49,49	0
56	MG	1A	3944	1/1	0.93	0.09	60,60,60,60	0
56	MG	1A	3637	1/1	0.93	0.11	50,50,50,50	0
56	MG	1A	3639	1/1	0.93	0.13	41,41,41,41	0
56	MG	1A	3538	1/1	0.93	0.13	54,54,54,54	0
56	MG	2a	3075	1/1	0.93	0.18	49,49,49,49	0
56	MG	2A	3705	1/1	0.93	0.12	57,57,57,57	0
56	MG	1D	302	1/1	0.93	0.20	55,55,55,55	0
56	MG	2a	3080	1/1	0.93	0.09	50,50,50,50	0
56	MG	1A	3436	1/1	0.93	0.10	45,45,45,45	0
56	MG	1D	309	1/1	0.93	0.09	46,46,46,46	0
56	MG	1A	3540	1/1	0.93	0.20	52,52,52,52	0
56	MG	1A	3251	1/1	0.93	0.09	58,58,58,58	0
56	MG	1A	3061	1/1	0.93	0.32	62,62,62,62	0
56	MG	1E	305	1/1	0.93	0.22	57,57,57,57	0
56	MG	1a	1706	1/1	0.93	0.29	60,60,60,60	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	1A	3969	1/1	0.93	0.09	66,66,66,66	0
56	MG	2A	3720	1/1	0.93	0.08	41,41,41,41	0
56	MG	2A	3372	1/1	0.93	0.18	41,41,41,41	0
56	MG	1A	3798	1/1	0.93	0.08	63,63,63,63	0
56	MG	1A	3196	1/1	0.93	0.14	59,59,59,59	0
56	MG	1A	3310	1/1	0.93	0.15	40,40,40,40	0
56	MG	1a	1711	1/1	0.93	0.18	65,65,65,65	0
56	MG	1A	3364	1/1	0.93	0.17	64,64,64,64	0
56	MG	1A	3666	1/1	0.93	0.10	34,34,34,34	0
56	MG	1A	3067	1/1	0.93	0.16	51,51,51,51	0
56	MG	2A	3095	1/1	0.93	0.08	39,39,39,39	0
56	MG	2A	3392	1/1	0.93	0.07	55,55,55,55	0
56	MG	1A	3810	1/1	0.93	0.16	45,45,45,45	0
56	MG	2a	3109	1/1	0.93	0.29	67,67,67,67	0
56	MG	2A	3394	1/1	0.93	0.18	50,50,50,50	0
56	MG	2A	3396	1/1	0.93	0.08	56,56,56,56	0
56	MG	1N	202	1/1	0.93	0.10	48,48,48,48	0
56	MG	1N	204	1/1	0.93	0.21	64,64,64,64	0
56	MG	2A	3749	1/1	0.93	0.09	48,48,48,48	0
56	MG	1A	3813	1/1	0.93	0.15	56,56,56,56	0
56	MG	2A	3752	1/1	0.93	0.19	61,61,61,61	0
56	MG	1A	3814	1/1	0.93	0.16	45,45,45,45	0
56	MG	2A	3407	1/1	0.93	0.17	61,61,61,61	0
56	MG	2A	3105	1/1	0.93	0.10	51,51,51,51	0
56	MG	2a	3124	1/1	0.93	0.21	61,61,61,61	0
56	MG	1O	202	1/1	0.93	0.14	67,67,67,67	0
56	MG	2A	3108	1/1	0.93	0.19	44,44,44,44	0
56	MG	1O	204	1/1	0.93	0.24	58,58,58,58	0
56	MG	2A	3760	1/1	0.93	0.19	58,58,58,58	0
56	MG	2A	3111	1/1	0.93	0.16	54,54,54,54	0
56	MG	2A	3419	1/1	0.93	0.11	51,51,51,51	0
56	MG	1A	3818	1/1	0.93	0.14	57,57,57,57	0
56	MG	1A	3369	1/1	0.93	0.14	57,57,57,57	0
56	MG	2A	3768	1/1	0.93	0.12	62,62,62,62	0
56	MG	2a	3137	1/1	0.93	0.08	79,79,79,79	0
56	MG	1A	3452	1/1	0.93	0.24	58,58,58,58	0
56	MG	1A	3454	1/1	0.93	0.09	59,59,59,59	0
56	MG	2a	3142	1/1	0.93	0.10	74,74,74,74	0
56	MG	1A	3206	1/1	0.93	0.16	55,55,55,55	0
56	MG	1S	3001	1/1	0.93	0.23	51,51,51,51	0
56	MG	2A	3427	1/1	0.93	0.07	45,45,45,45	0
56	MG	2A	3124	1/1	0.93	0.12	48,48,48,48	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	2A	3777	1/1	0.93	0.10	41,41,41,41	0
56	MG	1S	3002	1/1	0.93	0.09	49,49,49,49	0
56	MG	2a	3153	1/1	0.93	0.10	74,74,74,74	0
56	MG	2A	3781	1/1	0.93	0.11	55,55,55,55	0
56	MG	2A	3430	1/1	0.93	0.08	51,51,51,51	0
56	MG	2A	3794	1/1	0.93	0.09	67,67,67,67	0
56	MG	2A	3432	1/1	0.93	0.12	60,60,60,60	0
56	MG	2A	3797	1/1	0.93	0.13	52,52,52,52	0
56	MG	1A	3827	1/1	0.93	0.16	50,50,50,50	0
56	MG	1A	3155	1/1	0.93	0.17	47,47,47,47	0
56	MG	1A	3265	1/1	0.93	0.22	63,63,63,63	0
56	MG	2a	3176	1/1	0.93	0.09	62,62,62,62	0
56	MG	1A	3094	1/1	0.93	0.15	52,52,52,52	0
56	MG	1A	3690	1/1	0.93	0.07	28,28,28,28	0
56	MG	2A	3143	1/1	0.93	0.17	56,56,56,56	0
56	MG	2A	3446	1/1	0.93	0.21	45,45,45,45	0
56	MG	1A	3267	1/1	0.93	0.10	57,57,57,57	0
56	MG	2A	3448	1/1	0.93	0.19	49,49,49,49	0
56	MG	2A	3449	1/1	0.93	0.25	47,47,47,47	0
56	MG	2A	3150	1/1	0.93	0.20	39,39,39,39	0
56	MG	2A	3816	1/1	0.93	0.16	57,57,57,57	0
56	MG	1X	105	1/1	0.93	0.08	47,47,47,47	0
56	MG	1a	1758	1/1	0.93	0.08	56,56,56,56	0
56	MG	1A	4019	1/1	0.93	0.12	42,42,42,42	0
56	MG	1a	1761	1/1	0.93	0.11	64,64,64,64	0
56	MG	2a	3202	1/1	0.93	0.15	64,64,64,64	0
56	MG	2A	3823	1/1	0.93	0.10	73,73,73,73	0
56	MG	2A	3167	1/1	0.93	0.15	52,52,52,52	0
56	MG	1A	3167	1/1	0.93	0.11	41,41,41,41	0
56	MG	1A	3567	1/1	0.93	0.12	54,54,54,54	0
56	MG	2A	3834	1/1	0.93	0.07	40,40,40,40	0
56	MG	2A	3170	1/1	0.93	0.24	54,54,54,54	0
56	MG	2a	3211	1/1	0.93	0.17	61,61,61,61	0
56	MG	2A	3462	1/1	0.93	0.23	59,59,59,59	0
56	MG	1A	3473	1/1	0.93	0.20	50,50,50,50	0
56	MG	1A	3839	1/1	0.93	0.10	66,66,66,66	0
56	MG	1A	3840	1/1	0.93	0.12	63,63,63,63	0
56	MG	1A	3095	1/1	0.93	0.12	55,55,55,55	0
56	MG	2A	3857	1/1	0.93	0.09	47,47,47,47	0
56	MG	1a	1774	1/1	0.93	0.11	60,60,60,60	0
56	MG	1a	1775	1/1	0.93	0.11	76,76,76,76	0
56	MG	12	101	1/1	0.93	0.12	60,60,60,60	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	1a	1777	1/1	0.93	0.16	55,55,55,55	0
56	MG	1A	4046	1/1	0.93	0.07	30,30,30,30	0
56	MG	1A	3326	1/1	0.93	0.15	41,41,41,41	0
56	MG	1A	3404	1/1	0.93	0.17	59,59,59,59	0
56	MG	2A	3194	1/1	0.93	0.25	67,67,67,67	0
56	MG	2A	3195	1/1	0.93	0.11	56,56,56,56	0
56	MG	2A	3197	1/1	0.93	0.28	57,57,57,57	0
56	MG	17	101	1/1	0.93	0.13	54,54,54,54	0
56	MG	1A	3002	1/1	0.93	0.11	59,59,59,59	0
56	MG	1A	3852	1/1	0.93	0.08	33,33,33,33	0
56	MG	2A	3486	1/1	0.93	0.39	55,55,55,55	0
56	MG	2A	3205	1/1	0.93	0.24	52,52,52,52	0
56	MG	2a	3239	1/1	0.93	0.11	65,65,65,65	0
56	MG	1A	3227	1/1	0.93	0.11	42,42,42,42	0
56	MG	2A	3490	1/1	0.93	0.10	61,61,61,61	0
56	MG	2A	3909	1/1	0.93	0.13	43,43,43,43	0
56	MG	1a	1793	1/1	0.93	0.10	82,82,82,82	0
56	MG	2A	3210	1/1	0.93	0.09	47,47,47,47	0
56	MG	2i	8001	1/1	0.93	0.07	51,51,51,51	0
56	MG	2A	3494	1/1	0.93	0.24	50,50,50,50	0
56	MG	1A	3710	1/1	0.93	0.18	68,68,68,68	0
56	MG	2A	3217	1/1	0.93	0.24	64,64,64,64	0
56	MG	2B	3005	1/1	0.93	0.07	53,53,53,53	0
56	MG	2q	201	1/1	0.93	0.10	76,76,76,76	0
56	MG	1A	3280	1/1	0.93	0.12	50,50,50,50	0
56	MG	2r	101	1/1	0.93	0.12	68,68,68,68	0
56	MG	2A	3219	1/1	0.93	0.11	51,51,51,51	0
56	MG	1A	3712	1/1	0.93	0.06	40,40,40,40	0
56	MG	1A	3715	1/1	0.93	0.14	54,54,54,54	0
56	MG	2A	3225	1/1	0.93	0.13	62,62,62,62	0
56	MG	2A	3226	1/1	0.93	0.09	58,58,58,58	0
56	MG	2B	3012	1/1	0.93	0.10	55,55,55,55	0
56	MG	2w	103	1/1	0.93	0.12	56,56,56,56	0
56	MG	1A	4067	1/1	0.93	0.09	56,56,56,56	0
56	MG	2B	3015	1/1	0.93	0.12	50,50,50,50	0
56	MG	1a	1606	1/1	0.93	0.12	65,65,65,65	0
56	MG	1A	3058	1/1	0.93	0.12	54,54,54,54	0
56	MG	2x	103	1/1	0.93	0.10	64,64,64,64	0
56	MG	2A	3528	1/1	0.93	0.17	57,57,57,57	0
56	MG	2A	3529	1/1	0.93	0.08	43,43,43,43	0
56	MG	2A	3530	1/1	0.93	0.12	37,37,37,37	0
56	MG	2A	3231	1/1	0.93	0.11	49,49,49,49	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	2D	302	1/1	0.93	0.14	51,51,51,51	0
56	MG	2D	304	1/1	0.93	0.23	45,45,45,45	0
56	MG	2A	3234	1/1	0.93	0.11	52,52,52,52	0
56	MG	2A	3460	1/1	0.94	0.25	64,64,64,64	0
56	MG	2A	3891	1/1	0.94	0.12	71,71,71,71	0
56	MG	2A	3156	1/1	0.94	0.10	48,48,48,48	0
56	MG	2A	3158	1/1	0.94	0.07	41,41,41,41	0
56	MG	1A	3235	1/1	0.94	0.14	66,66,66,66	0
56	MG	2A	3899	1/1	0.94	0.13	45,45,45,45	0
56	MG	1A	3939	1/1	0.94	0.11	53,53,53,53	0
56	MG	2A	3907	1/1	0.94	0.11	57,57,57,57	0
56	MG	1E	306	1/1	0.94	0.09	31,31,31,31	0
56	MG	1A	3943	1/1	0.94	0.08	81,81,81,81	0
56	MG	1E	311	1/1	0.94	0.14	42,42,42,42	0
56	MG	1A	3759	1/1	0.94	0.11	24,24,24,24	0
56	MG	1F	306	1/1	0.94	0.12	53,53,53,53	0
56	MG	1F	307	1/1	0.94	0.10	50,50,50,50	0
56	MG	2A	3473	1/1	0.94	0.14	57,57,57,57	0
56	MG	1a	1747	1/1	0.94	0.10	49,49,49,49	0
56	MG	1A	3760	1/1	0.94	0.12	35,35,35,35	0
56	MG	1A	3236	1/1	0.94	0.24	37,37,37,37	0
56	MG	1G	3003	1/1	0.94	0.10	66,66,66,66	0
56	MG	2A	3179	1/1	0.94	0.12	59,59,59,59	0
56	MG	2A	3480	1/1	0.94	0.28	65,65,65,65	0
56	MG	1A	3117	1/1	0.94	0.24	39,39,39,39	0
56	MG	2A	3182	1/1	0.94	0.12	42,42,42,42	0
56	MG	2B	3013	1/1	0.94	0.13	61,61,61,61	0
56	MG	1a	1756	1/1	0.94	0.23	72,72,72,72	0
56	MG	1A	3954	1/1	0.94	0.09	58,58,58,58	0
56	MG	1A	3769	1/1	0.94	0.13	29,29,29,29	0
56	MG	2A	3191	1/1	0.94	0.17	50,50,50,50	0
56	MG	1a	1759	1/1	0.94	0.15	64,64,64,64	0
56	MG	1A	3380	1/1	0.94	0.18	48,48,48,48	0
56	MG	1A	3772	1/1	0.94	0.08	36,36,36,36	0
56	MG	1A	3963	1/1	0.94	0.14	60,60,60,60	0
56	MG	1A	3123	1/1	0.94	0.14	54,54,54,54	0
56	MG	2A	3498	1/1	0.94	0.08	55,55,55,55	0
56	MG	1A	3385	1/1	0.94	0.19	58,58,58,58	0
56	MG	1A	3052	1/1	0.94	0.09	56,56,56,56	0
56	MG	1A	3971	1/1	0.94	0.11	44,44,44,44	0
56	MG	1A	3973	1/1	0.94	0.07	85,85,85,85	0
56	MG	1A	3387	1/1	0.94	0.13	54,54,54,54	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	1A	3391	1/1	0.94	0.09	41,41,41,41	0
56	MG	2F	301	1/1	0.94	0.19	58,58,58,58	0
56	MG	2A	3216	1/1	0.94	0.14	56,56,56,56	0
56	MG	2A	3510	1/1	0.94	0.12	46,46,46,46	0
56	MG	1A	3979	1/1	0.94	0.11	73,73,73,73	0
56	MG	2A	3516	1/1	0.94	0.17	56,56,56,56	0
56	MG	2R	201	1/1	0.94	0.11	48,48,48,48	0
56	MG	1A	3184	1/1	0.94	0.15	62,62,62,62	0
56	MG	1A	3784	1/1	0.94	0.08	39,39,39,39	0
56	MG	1a	1781	1/1	0.94	0.08	71,71,71,71	0
56	MG	2A	3522	1/1	0.94	0.10	59,59,59,59	0
56	MG	2U	203	1/1	0.94	0.22	46,46,46,46	0
56	MG	2V	201	1/1	0.94	0.08	53,53,53,53	0
56	MG	1A	3246	1/1	0.94	0.12	58,58,58,58	0
56	MG	1S	3003	1/1	0.94	0.08	59,59,59,59	0
56	MG	1A	3626	1/1	0.94	0.09	44,44,44,44	0
56	MG	2X	102	1/1	0.94	0.10	56,56,56,56	0
56	MG	1A	3990	1/1	0.94	0.12	52,52,52,52	0
56	MG	1A	3627	1/1	0.94	0.16	62,62,62,62	0
56	MG	1A	3790	1/1	0.94	0.08	25,25,25,25	0
56	MG	1A	3491	1/1	0.94	0.13	59,59,59,59	0
56	MG	23	102	1/1	0.94	0.11	48,48,48,48	0
56	MG	25	101	1/1	0.94	0.24	55,55,55,55	0
56	MG	1A	3493	1/1	0.94	0.10	36,36,36,36	0
56	MG	2A	3235	1/1	0.94	0.16	50,50,50,50	0
56	MG	1A	3796	1/1	0.94	0.07	34,34,34,34	0
56	MG	1A	3494	1/1	0.94	0.10	39,39,39,39	0
56	MG	2a	3001	1/1	0.94	0.12	57,57,57,57	0
56	MG	1A	3495	1/1	0.94	0.10	42,42,42,42	0
56	MG	2A	3545	1/1	0.94	0.12	52,52,52,52	0
56	MG	2A	3243	1/1	0.94	0.13	52,52,52,52	0
56	MG	1A	3398	1/1	0.94	0.18	58,58,58,58	0
56	MG	1a	1804	1/1	0.94	0.08	77,77,77,77	0
56	MG	10	104	1/1	0.94	0.21	64,64,64,64	0
56	MG	2A	3247	1/1	0.94	0.12	51,51,51,51	0
56	MG	2A	3248	1/1	0.94	0.13	42,42,42,42	0
56	MG	1A	3028	1/1	0.94	0.10	34,34,34,34	0
56	MG	1A	3400	1/1	0.94	0.14	54,54,54,54	0
56	MG	1A	3402	1/1	0.94	0.18	54,54,54,54	0
56	MG	1A	3647	1/1	0.94	0.08	29,29,29,29	0
56	MG	1A	3812	1/1	0.94	0.09	45,45,45,45	0
56	MG	2A	3576	1/1	0.94	0.12	39,39,39,39	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	13	101	1/1	0.94	0.12	55,55,55,55	0
56	MG	1A	3403	1/1	0.94	0.12	27,27,27,27	0
56	MG	1A	4021	1/1	0.94	0.19	66,66,66,66	0
56	MG	2A	3263	1/1	0.94	0.09	55,55,55,55	0
56	MG	1A	3131	1/1	0.94	0.10	72,72,72,72	0
56	MG	2A	3591	1/1	0.94	0.08	50,50,50,50	0
56	MG	1A	3652	1/1	0.94	0.08	31,31,31,31	0
56	MG	2a	3027	1/1	0.94	0.10	61,61,61,61	0
56	MG	2A	3596	1/1	0.94	0.10	47,47,47,47	0
56	MG	1A	4025	1/1	0.94	0.07	77,77,77,77	0
56	MG	1A	3658	1/1	0.94	0.12	37,37,37,37	0
56	MG	1A	4029	1/1	0.94	0.07	53,53,53,53	0
56	MG	1A	4032	1/1	0.94	0.09	68,68,68,68	0
56	MG	1A	3252	1/1	0.94	0.13	52,52,52,52	0
56	MG	1A	3660	1/1	0.94	0.17	31,31,31,31	0
56	MG	1A	4040	1/1	0.94	0.06	60,60,60,60	0
56	MG	1A	3076	1/1	0.94	0.19	53,53,53,53	0
56	MG	2A	3277	1/1	0.94	0.16	50,50,50,50	0
56	MG	1A	3825	1/1	0.94	0.11	57,57,57,57	0
56	MG	1a	1607	1/1	0.94	0.22	67,67,67,67	0
56	MG	2A	3616	1/1	0.94	0.08	46,46,46,46	0
56	MG	1A	3409	1/1	0.94	0.28	60,60,60,60	0
56	MG	1A	3254	1/1	0.94	0.16	53,53,53,53	0
56	MG	1A	4051	1/1	0.94	0.11	38,38,38,38	0
56	MG	1a	1615	1/1	0.94	0.09	67,67,67,67	0
56	MG	2a	3047	1/1	0.94	0.12	52,52,52,52	0
56	MG	2A	3623	1/1	0.94	0.11	48,48,48,48	0
56	MG	1A	3669	1/1	0.94	0.08	34,34,34,34	0
56	MG	1A	3529	1/1	0.94	0.18	43,43,43,43	0
56	MG	2A	3289	1/1	0.94	0.10	47,47,47,47	0
56	MG	2a	3052	1/1	0.94	0.12	62,62,62,62	0
56	MG	2A	3631	1/1	0.94	0.09	39,39,39,39	0
56	MG	1A	3675	1/1	0.94	0.16	32,32,32,32	0
56	MG	1A	3079	1/1	0.94	0.09	57,57,57,57	0
56	MG	2A	3638	1/1	0.94	0.13	43,43,43,43	0
56	MG	1A	3681	1/1	0.94	0.06	34,34,34,34	0
56	MG	2A	3297	1/1	0.94	0.17	51,51,51,51	0
56	MG	2A	3299	1/1	0.94	0.10	51,51,51,51	0
56	MG	1A	4062	1/1	0.94	0.06	14,14,14,14	0
56	MG	2A	3645	1/1	0.94	0.08	40,40,40,40	0
56	MG	1A	4063	1/1	0.94	0.07	57,57,57,57	0
56	MG	2A	3302	1/1	0.94	0.10	66,66,66,66	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	1a	1626	1/1	0.94	0.15	61,61,61,61	0
56	MG	1A	3415	1/1	0.94	0.13	59,59,59,59	0
56	MG	2a	3068	1/1	0.94	0.19	72,72,72,72	0
56	MG	1A	3684	1/1	0.94	0.10	32,32,32,32	0
56	MG	1A	3417	1/1	0.94	0.13	51,51,51,51	0
56	MG	1A	3146	1/1	0.94	0.14	36,36,36,36	0
56	MG	2a	3072	1/1	0.94	0.09	53,53,53,53	0
56	MG	1A	4069	1/1	0.94	0.15	42,42,42,42	0
56	MG	2A	3659	1/1	0.94	0.08	59,59,59,59	0
56	MG	1A	4070	1/1	0.94	0.14	56,56,56,56	0
56	MG	2A	3665	1/1	0.94	0.07	52,52,52,52	0
56	MG	2a	3077	1/1	0.94	0.10	61,61,61,61	0
56	MG	1A	3260	1/1	0.94	0.09	39,39,39,39	0
56	MG	2A	3311	1/1	0.94	0.18	63,63,63,63	0
56	MG	1A	3846	1/1	0.94	0.08	53,53,53,53	0
56	MG	2A	3672	1/1	0.94	0.15	45,45,45,45	0
56	MG	1A	3194	1/1	0.94	0.22	43,43,43,43	0
56	MG	2a	3086	1/1	0.94	0.12	57,57,57,57	0
56	MG	1A	3034	1/1	0.94	0.13	45,45,45,45	0
56	MG	2A	3675	1/1	0.94	0.13	55,55,55,55	0
56	MG	2A	3676	1/1	0.94	0.12	48,48,48,48	0
56	MG	2A	3680	1/1	0.94	0.10	62,62,62,62	0
56	MG	1A	4078	1/1	0.94	0.13	41,41,41,41	0
56	MG	2A	3318	1/1	0.94	0.13	48,48,48,48	0
56	MG	2A	3683	1/1	0.94	0.11	62,62,62,62	0
56	MG	1A	4083	1/1	0.94	0.11	44,44,44,44	0
56	MG	2A	3004	1/1	0.94	0.16	48,48,48,48	0
56	MG	2A	3325	1/1	0.94	0.12	63,63,63,63	0
56	MG	1A	3197	1/1	0.94	0.09	52,52,52,52	0
56	MG	2A	3327	1/1	0.94	0.10	50,50,50,50	0
56	MG	2A	3329	1/1	0.94	0.12	56,56,56,56	0
56	MG	1A	4085	1/1	0.94	0.09	21,21,21,21	0
56	MG	2A	3010	1/1	0.94	0.15	51,51,51,51	0
56	MG	1A	3198	1/1	0.94	0.14	41,41,41,41	0
56	MG	2a	3107	1/1	0.94	0.13	57,57,57,57	0
56	MG	1a	1647	1/1	0.94	0.15	65,65,65,65	0
56	MG	2A	3334	1/1	0.94	0.29	64,64,64,64	0
56	MG	1A	3335	1/1	0.94	0.34	62,62,62,62	0
56	MG	1A	3337	1/1	0.94	0.15	48,48,48,48	0
56	MG	2A	3337	1/1	0.94	0.11	47,47,47,47	0
56	MG	2A	3704	1/1	0.94	0.07	56,56,56,56	0
56	MG	2A	3338	1/1	0.94	0.25	62,62,62,62	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	2A	3024	1/1	0.94	0.11	49,49,49,49	0
56	MG	2a	3118	1/1	0.94	0.11	65,65,65,65	0
56	MG	2A	3028	1/1	0.94	0.09	54,54,54,54	0
56	MG	1a	1652	1/1	0.94	0.21	63,63,63,63	0
56	MG	2A	3033	1/1	0.94	0.11	42,42,42,42	0
56	MG	1A	3338	1/1	0.94	0.12	49,49,49,49	0
56	MG	1A	3430	1/1	0.94	0.09	47,47,47,47	0
56	MG	2a	3125	1/1	0.94	0.09	65,65,65,65	0
56	MG	2A	3040	1/1	0.94	0.14	52,52,52,52	0
56	MG	1A	4100	1/1	0.94	0.09	47,47,47,47	0
56	MG	1A	4101	1/1	0.94	0.10	39,39,39,39	0
56	MG	1A	3857	1/1	0.94	0.15	48,48,48,48	0
56	MG	1A	3431	1/1	0.94	0.15	52,52,52,52	0
56	MG	2A	3727	1/1	0.94	0.09	51,51,51,51	0
56	MG	2A	3351	1/1	0.94	0.18	54,54,54,54	0
56	MG	2a	3134	1/1	0.94	0.21	64,64,64,64	0
56	MG	1a	1664	1/1	0.94	0.24	62,62,62,62	0
56	MG	2A	3052	1/1	0.94	0.12	58,58,58,58	0
56	MG	2A	3355	1/1	0.94	0.12	51,51,51,51	0
56	MG	2A	3736	1/1	0.94	0.20	67,67,67,67	0
56	MG	2A	3358	1/1	0.94	0.08	65,65,65,65	0
56	MG	1A	3705	1/1	0.94	0.10	42,42,42,42	0
56	MG	2A	3739	1/1	0.94	0.14	59,59,59,59	0
56	MG	1A	3150	1/1	0.94	0.16	50,50,50,50	0
56	MG	1a	1668	1/1	0.94	0.21	67,67,67,67	0
56	MG	2A	3363	1/1	0.94	0.30	65,65,65,65	0
56	MG	1A	3006	1/1	0.94	0.19	57,57,57,57	0
56	MG	1A	3437	1/1	0.94	0.09	52,52,52,52	0
56	MG	1A	3207	1/1	0.94	0.14	54,54,54,54	0
56	MG	1a	1673	1/1	0.94	0.22	67,67,67,67	0
56	MG	2A	3369	1/1	0.94	0.10	47,47,47,47	0
56	MG	2A	3370	1/1	0.94	0.15	50,50,50,50	0
56	MG	2a	3159	1/1	0.94	0.19	71,71,71,71	0
56	MG	2A	3371	1/1	0.94	0.12	48,48,48,48	0
56	MG	1A	3154	1/1	0.94	0.19	51,51,51,51	0
56	MG	1A	4131	1/1	0.94	0.13	58,58,58,58	0
56	MG	2a	3170	1/1	0.94	0.07	80,80,80,80	0
56	MG	2A	3375	1/1	0.94	0.10	52,52,52,52	0
56	MG	2a	3172	1/1	0.94	0.07	66,66,66,66	0
56	MG	1A	3062	1/1	0.94	0.29	59,59,59,59	0
56	MG	1A	4135	1/1	0.94	0.13	44,44,44,44	0
56	MG	2a	3177	1/1	0.94	0.07	67,67,67,67	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	2A	3379	1/1	0.94	0.08	53,53,53,53	0
56	MG	1A	4137	1/1	0.94	0.07	44,44,44,44	0
56	MG	2A	3072	1/1	0.94	0.09	46,46,46,46	0
56	MG	2a	3185	1/1	0.94	0.11	47,47,47,47	0
56	MG	2A	3761	1/1	0.94	0.18	46,46,46,46	0
56	MG	2A	3073	1/1	0.94	0.08	36,36,36,36	0
56	MG	1A	3874	1/1	0.94	0.12	40,40,40,40	0
56	MG	1A	3163	1/1	0.94	0.23	52,52,52,52	0
56	MG	2A	3388	1/1	0.94	0.12	56,56,56,56	0
56	MG	2a	3196	1/1	0.94	0.12	64,64,64,64	0
56	MG	2A	3767	1/1	0.94	0.09	56,56,56,56	0
56	MG	2A	3079	1/1	0.94	0.09	41,41,41,41	0
56	MG	1A	3281	1/1	0.94	0.12	50,50,50,50	0
56	MG	2A	3081	1/1	0.94	0.15	45,45,45,45	0
56	MG	2A	3082	1/1	0.94	0.10	50,50,50,50	0
56	MG	1a	1684	1/1	0.94	0.21	60,60,60,60	0
56	MG	1B	3005	1/1	0.94	0.09	55,55,55,55	0
56	MG	2A	3399	1/1	0.94	0.14	60,60,60,60	0
56	MG	2A	3402	1/1	0.94	0.12	50,50,50,50	0
56	MG	2a	3207	1/1	0.94	0.12	74,74,74,74	0
56	MG	1A	3721	1/1	0.94	0.10	57,57,57,57	0
56	MG	1A	3064	1/1	0.94	0.17	53,53,53,53	0
56	MG	2A	3782	1/1	0.94	0.06	51,51,51,51	0
56	MG	1a	1690	1/1	0.94	0.18	70,70,70,70	0
56	MG	2A	3786	1/1	0.94	0.07	48,48,48,48	0
56	MG	2A	3788	1/1	0.94	0.08	53,53,53,53	0
56	MG	2a	3216	1/1	0.94	0.19	65,65,65,65	0
56	MG	2A	3790	1/1	0.94	0.15	65,65,65,65	0
56	MG	1B	3008	1/1	0.94	0.14	57,57,57,57	0
56	MG	1A	3883	1/1	0.94	0.12	68,68,68,68	0
56	MG	2A	3796	1/1	0.94	0.09	49,49,49,49	0
56	MG	2A	3098	1/1	0.94	0.08	49,49,49,49	0
56	MG	1A	3447	1/1	0.94	0.08	46,46,46,46	0
56	MG	1B	3011	1/1	0.94	0.12	55,55,55,55	0
56	MG	2A	3414	1/1	0.94	0.16	59,59,59,59	0
56	MG	2A	3418	1/1	0.94	0.10	61,61,61,61	0
56	MG	2A	3103	1/1	0.94	0.21	42,42,42,42	0
56	MG	1A	3448	1/1	0.94	0.20	59,59,59,59	0
56	MG	2A	3809	1/1	0.94	0.09	59,59,59,59	0
56	MG	1A	3115	1/1	0.94	0.17	57,57,57,57	0
56	MG	1A	3728	1/1	0.94	0.10	26,26,26,26	0
56	MG	1A	3225	1/1	0.94	0.19	52,52,52,52	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	1B	3017	1/1	0.94	0.20	50,50,50,50	0
56	MG	1A	3892	1/1	0.94	0.10	39,39,39,39	0
56	MG	1A	3453	1/1	0.94	0.11	57,57,57,57	0
56	MG	1A	3090	1/1	0.94	0.21	54,54,54,54	0
56	MG	1A	3579	1/1	0.94	0.18	44,44,44,44	0
56	MG	1A	3735	1/1	0.94	0.12	41,41,41,41	0
56	MG	2A	3431	1/1	0.94	0.15	62,62,62,62	0
56	MG	1A	3230	1/1	0.94	0.17	60,60,60,60	0
56	MG	1A	3742	1/1	0.94	0.08	64,64,64,64	0
56	MG	2A	3436	1/1	0.94	0.11	49,49,49,49	0
56	MG	2A	3830	1/1	0.94	0.14	48,48,48,48	0
56	MG	1A	3459	1/1	0.94	0.13	47,47,47,47	0
56	MG	1A	3463	1/1	0.94	0.08	53,53,53,53	0
56	MG	2A	3127	1/1	0.94	0.08	50,50,50,50	0
56	MG	2A	3837	1/1	0.94	0.09	37,37,37,37	0
56	MG	2A	3440	1/1	0.94	0.16	43,43,43,43	0
56	MG	2A	3842	1/1	0.94	0.09	59,59,59,59	0
56	MG	2A	3843	1/1	0.94	0.13	58,58,58,58	0
56	MG	1a	1715	1/1	0.94	0.13	49,49,49,49	0
56	MG	2A	3850	1/1	0.94	0.08	59,59,59,59	0
56	MG	1a	1717	1/1	0.94	0.14	64,64,64,64	0
56	MG	2A	3444	1/1	0.94	0.17	49,49,49,49	0
56	MG	1A	3583	1/1	0.94	0.17	42,42,42,42	0
56	MG	1A	3464	1/1	0.94	0.11	45,45,45,45	0
56	MG	1A	3586	1/1	0.94	0.17	49,49,49,49	0
56	MG	1A	3301	1/1	0.94	0.10	54,54,54,54	0
56	MG	2A	3146	1/1	0.94	0.09	43,43,43,43	0
56	MG	2A	3866	1/1	0.94	0.09	42,42,42,42	0
56	MG	1A	3590	1/1	0.94	0.16	37,37,37,37	0
56	MG	2A	3148	1/1	0.94	0.14	52,52,52,52	0
56	MG	1A	3921	1/1	0.94	0.11	50,50,50,50	0
56	MG	2x	105	1/1	0.94	0.20	57,57,57,57	0
56	MG	2A	3151	1/1	0.94	0.11	40,40,40,40	0
56	MG	2A	3878	1/1	0.94	0.09	49,49,49,49	0
56	MG	2A	3456	1/1	0.94	0.28	60,60,60,60	0
56	MG	2y	3004	1/1	0.94	0.12	59,59,59,59	0
56	MG	1A	3923	1/1	0.94	0.08	47,47,47,47	0
56	MG	1A	3171	1/1	0.94	0.24	53,53,53,53	0
56	MG	1A	3180	1/1	0.94	0.11	36,36,36,36	0
58	ZN	2n	501	1/1	0.94	0.09	107,107,107,107	0
56	MG	1a	1734	1/1	0.95	0.14	67,67,67,67	0
56	MG	2A	3176	1/1	0.95	0.11	46,46,46,46	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	1A	3949	1/1	0.95	0.10	63,63,63,63	0
56	MG	1a	1736	1/1	0.95	0.09	57,57,57,57	0
56	MG	1A	3950	1/1	0.95	0.07	41,41,41,41	0
56	MG	2A	3886	1/1	0.95	0.18	45,45,45,45	0
56	MG	1A	3226	1/1	0.95	0.12	47,47,47,47	0
56	MG	2A	3889	1/1	0.95	0.10	49,49,49,49	0
56	MG	1a	1742	1/1	0.95	0.07	51,51,51,51	0
56	MG	1A	3953	1/1	0.95	0.08	46,46,46,46	0
56	MG	2A	3476	1/1	0.95	0.11	41,41,41,41	0
56	MG	2A	3185	1/1	0.95	0.08	45,45,45,45	0
56	MG	1F	301	1/1	0.95	0.11	40,40,40,40	0
56	MG	1A	3467	1/1	0.95	0.10	45,45,45,45	0
56	MG	2A	3900	1/1	0.95	0.16	44,44,44,44	0
56	MG	2A	3903	1/1	0.95	0.12	58,58,58,58	0
56	MG	2A	3190	1/1	0.95	0.09	45,45,45,45	0
56	MG	1F	303	1/1	0.95	0.12	38,38,38,38	0
56	MG	2A	3192	1/1	0.95	0.10	44,44,44,44	0
56	MG	2A	3483	1/1	0.95	0.18	55,55,55,55	0
56	MG	2A	3193	1/1	0.95	0.08	55,55,55,55	0
56	MG	1A	3166	1/1	0.95	0.20	38,38,38,38	0
56	MG	1A	3957	1/1	0.95	0.07	55,55,55,55	0
56	MG	2A	3196	1/1	0.95	0.10	56,56,56,56	0
56	MG	1A	3228	1/1	0.95	0.10	41,41,41,41	0
56	MG	1A	3600	1/1	0.95	0.07	46,46,46,46	0
56	MG	2A	3199	1/1	0.95	0.08	50,50,50,50	0
56	MG	2A	3200	1/1	0.95	0.11	42,42,42,42	0
56	MG	1A	3768	1/1	0.95	0.10	61,61,61,61	0
56	MG	2A	3495	1/1	0.95	0.07	51,51,51,51	0
56	MG	1A	3601	1/1	0.95	0.09	11,11,11,11	0
56	MG	1A	3604	1/1	0.95	0.13	65,65,65,65	0
56	MG	1A	3091	1/1	0.95	0.15	43,43,43,43	0
56	MG	1A	3383	1/1	0.95	0.10	55,55,55,55	0
56	MG	1A	3384	1/1	0.95	0.13	57,57,57,57	0
56	MG	1A	3477	1/1	0.95	0.12	48,48,48,48	0
56	MG	2A	3214	1/1	0.95	0.07	56,56,56,56	0
56	MG	1A	3119	1/1	0.95	0.11	51,51,51,51	0
56	MG	2B	3018	1/1	0.95	0.10	65,65,65,65	0
56	MG	2A	3509	1/1	0.95	0.10	38,38,38,38	0
56	MG	1N	206	1/1	0.95	0.13	42,42,42,42	0
56	MG	2A	3511	1/1	0.95	0.08	24,24,24,24	0
56	MG	1a	1769	1/1	0.95	0.08	55,55,55,55	0
56	MG	1A	3978	1/1	0.95	0.07	65,65,65,65	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	1A	3780	1/1	0.95	0.06	21,21,21,21	0
56	MG	2A	3223	1/1	0.95	0.14	44,44,44,44	0
56	MG	1A	3480	1/1	0.95	0.09	52,52,52,52	0
56	MG	1A	3120	1/1	0.95	0.09	42,42,42,42	0
56	MG	2E	304	1/1	0.95	0.17	46,46,46,46	0
56	MG	2E	305	1/1	0.95	0.10	40,40,40,40	0
56	MG	1A	3624	1/1	0.95	0.09	28,28,28,28	0
56	MG	1P	204	1/1	0.95	0.17	47,47,47,47	0
56	MG	1A	3985	1/1	0.95	0.09	23,23,23,23	0
56	MG	2E	309	1/1	0.95	0.10	60,60,60,60	0
56	MG	1a	1778	1/1	0.95	0.08	64,64,64,64	0
56	MG	1Q	204	1/1	0.95	0.08	51,51,51,51	0
56	MG	2A	3533	1/1	0.95	0.10	48,48,48,48	0
56	MG	2N	8001	1/1	0.95	0.06	47,47,47,47	0
56	MG	2A	3232	1/1	0.95	0.15	64,64,64,64	0
56	MG	1A	3625	1/1	0.95	0.08	19,19,19,19	0
56	MG	1A	3234	1/1	0.95	0.21	54,54,54,54	0
56	MG	2A	3236	1/1	0.95	0.09	53,53,53,53	0
56	MG	1A	3992	1/1	0.95	0.12	75,75,75,75	0
56	MG	1A	3993	1/1	0.95	0.10	37,37,37,37	0
56	MG	2A	3543	1/1	0.95	0.07	34,34,34,34	0
56	MG	1A	3485	1/1	0.95	0.11	48,48,48,48	0
56	MG	2A	3242	1/1	0.95	0.11	52,52,52,52	0
56	MG	1A	3486	1/1	0.95	0.07	42,42,42,42	0
56	MG	1A	3388	1/1	0.95	0.11	42,42,42,42	0
56	MG	2A	3550	1/1	0.95	0.14	44,44,44,44	0
56	MG	1A	3633	1/1	0.95	0.08	58,58,58,58	0
56	MG	2X	103	1/1	0.95	0.10	46,46,46,46	0
56	MG	1A	3636	1/1	0.95	0.09	38,38,38,38	0
56	MG	2A	3554	1/1	0.95	0.08	39,39,39,39	0
56	MG	1V	201	1/1	0.95	0.08	49,49,49,49	0
56	MG	20	3003	1/1	0.95	0.11	58,58,58,58	0
56	MG	1V	202	1/1	0.95	0.19	53,53,53,53	0
56	MG	2A	3557	1/1	0.95	0.08	45,45,45,45	0
56	MG	2A	3558	1/1	0.95	0.08	31,31,31,31	0
56	MG	25	103	1/1	0.95	0.12	52,52,52,52	0
56	MG	2A	3559	1/1	0.95	0.10	39,39,39,39	0
56	MG	2A	3249	1/1	0.95	0.10	57,57,57,57	0
56	MG	1A	3390	1/1	0.95	0.13	35,35,35,35	0
56	MG	2A	3563	1/1	0.95	0.10	49,49,49,49	0
56	MG	2A	3565	1/1	0.95	0.07	36,36,36,36	0
56	MG	1A	3093	1/1	0.95	0.17	33,33,33,33	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	2A	3569	1/1	0.95	0.10	49,49,49,49	0
56	MG	2A	3570	1/1	0.95	0.09	53,53,53,53	0
56	MG	2A	3571	1/1	0.95	0.07	35,35,35,35	0
56	MG	1W	204	1/1	0.95	0.11	40,40,40,40	0
56	MG	1a	1806	1/1	0.95	0.09	66,66,66,66	0
56	MG	2A	3574	1/1	0.95	0.08	44,44,44,44	0
56	MG	1a	1812	1/1	0.95	0.09	70,70,70,70	0
56	MG	2A	3258	1/1	0.95	0.23	58,58,58,58	0
56	MG	1A	3070	1/1	0.95	0.16	41,41,41,41	0
56	MG	2A	3580	1/1	0.95	0.13	49,49,49,49	0
56	MG	1A	3393	1/1	0.95	0.11	50,50,50,50	0
56	MG	2A	3586	1/1	0.95	0.12	53,53,53,53	0
56	MG	1A	3803	1/1	0.95	0.27	44,44,44,44	0
56	MG	1Y	504	1/1	0.95	0.19	48,48,48,48	0
56	MG	2A	3264	1/1	0.95	0.06	62,62,62,62	0
56	MG	1Z	301	1/1	0.95	0.11	56,56,56,56	0
56	MG	1a	1826	1/1	0.95	0.08	58,58,58,58	0
56	MG	1A	3039	1/1	0.95	0.09	36,36,36,36	0
56	MG	1Z	303	1/1	0.95	0.07	56,56,56,56	0
56	MG	2a	3025	1/1	0.95	0.18	57,57,57,57	0
56	MG	10	101	1/1	0.95	0.12	63,63,63,63	0
56	MG	1A	3128	1/1	0.95	0.23	41,41,41,41	0
56	MG	1A	3809	1/1	0.95	0.16	51,51,51,51	0
56	MG	1A	3129	1/1	0.95	0.18	51,51,51,51	0
56	MG	2A	3273	1/1	0.95	0.09	51,51,51,51	0
56	MG	1A	3811	1/1	0.95	0.09	45,45,45,45	0
56	MG	1A	3499	1/1	0.95	0.10	49,49,49,49	0
56	MG	2A	3611	1/1	0.95	0.11	62,62,62,62	0
56	MG	2A	3613	1/1	0.95	0.09	33,33,33,33	0
56	MG	2a	3035	1/1	0.95	0.26	63,63,63,63	0
56	MG	2A	3276	1/1	0.95	0.11	55,55,55,55	0
56	MG	1A	3501	1/1	0.95	0.12	51,51,51,51	0
56	MG	1A	3651	1/1	0.95	0.12	32,32,32,32	0
56	MG	2A	3279	1/1	0.95	0.10	53,53,53,53	0
56	MG	13	102	1/1	0.95	0.14	53,53,53,53	0
56	MG	1t	3001	1/1	0.95	0.12	58,58,58,58	0
56	MG	1A	3817	1/1	0.95	0.15	45,45,45,45	0
56	MG	2a	3043	1/1	0.95	0.10	64,64,64,64	0
56	MG	2A	3283	1/1	0.95	0.11	61,61,61,61	0
56	MG	15	102	1/1	0.95	0.08	39,39,39,39	0
56	MG	1A	3244	1/1	0.95	0.08	49,49,49,49	0
56	MG	2A	3627	1/1	0.95	0.10	50,50,50,50	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	2A	3628	1/1	0.95	0.11	52,52,52,52	0
56	MG	2A	3629	1/1	0.95	0.08	43,43,43,43	0
56	MG	16	101	1/1	0.95	0.09	45,45,45,45	0
56	MG	1A	3655	1/1	0.95	0.07	39,39,39,39	0
56	MG	1A	3318	1/1	0.95	0.07	46,46,46,46	0
56	MG	18	101	1/1	0.95	0.16	47,47,47,47	0
56	MG	1A	3130	1/1	0.95	0.11	41,41,41,41	0
56	MG	2a	3055	1/1	0.95	0.06	51,51,51,51	0
56	MG	2A	3292	1/1	0.95	0.10	54,54,54,54	0
56	MG	2A	3294	1/1	0.95	0.09	52,52,52,52	0
56	MG	1A	4037	1/1	0.95	0.10	62,62,62,62	0
56	MG	19	101	1/1	0.95	0.19	49,49,49,49	0
56	MG	1A	3507	1/1	0.95	0.21	51,51,51,51	0
56	MG	1A	4043	1/1	0.95	0.07	50,50,50,50	0
56	MG	1A	3075	1/1	0.95	0.07	28,28,28,28	0
56	MG	1A	4045	1/1	0.95	0.07	38,38,38,38	0
56	MG	2A	3651	1/1	0.95	0.15	44,44,44,44	0
56	MG	1A	3042	1/1	0.95	0.14	40,40,40,40	0
56	MG	1A	3249	1/1	0.95	0.23	56,56,56,56	0
56	MG	1A	4048	1/1	0.95	0.08	48,48,48,48	0
56	MG	1A	3514	1/1	0.95	0.12	53,53,53,53	0
56	MG	1a	1608	1/1	0.95	0.13	60,60,60,60	0
56	MG	1A	3519	1/1	0.95	0.06	49,49,49,49	0
56	MG	2A	3661	1/1	0.95	0.13	56,56,56,56	0
56	MG	2A	3662	1/1	0.95	0.10	48,48,48,48	0
56	MG	2A	3663	1/1	0.95	0.11	64,64,64,64	0
56	MG	1A	3674	1/1	0.95	0.10	39,39,39,39	0
56	MG	1A	3408	1/1	0.95	0.15	60,60,60,60	0
56	MG	1A	3676	1/1	0.95	0.12	24,24,24,24	0
56	MG	1a	1616	1/1	0.95	0.10	55,55,55,55	0
56	MG	2a	3079	1/1	0.95	0.18	59,59,59,59	0
56	MG	1A	4055	1/1	0.95	0.06	33,33,33,33	0
56	MG	1A	4056	1/1	0.95	0.06	47,47,47,47	0
56	MG	2A	3316	1/1	0.95	0.11	54,54,54,54	0
56	MG	1A	4059	1/1	0.95	0.07	21,21,21,21	0
56	MG	1A	3677	1/1	0.95	0.10	29,29,29,29	0
56	MG	2A	3320	1/1	0.95	0.22	54,54,54,54	0
56	MG	2A	3678	1/1	0.95	0.08	49,49,49,49	0
56	MG	2A	3679	1/1	0.95	0.07	41,41,41,41	0
56	MG	1A	3678	1/1	0.95	0.08	61,61,61,61	0
56	MG	1A	3838	1/1	0.95	0.16	45,45,45,45	0
56	MG	2A	3324	1/1	0.95	0.07	41,41,41,41	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	1A	3324	1/1	0.95	0.21	55,55,55,55	0
56	MG	1A	4064	1/1	0.95	0.08	66,66,66,66	0
56	MG	1A	3250	1/1	0.95	0.11	49,49,49,49	0
56	MG	2A	3012	1/1	0.95	0.07	39,39,39,39	0
56	MG	2A	3014	1/1	0.95	0.18	43,43,43,43	0
56	MG	2A	3688	1/1	0.95	0.07	38,38,38,38	0
56	MG	2a	3102	1/1	0.95	0.20	58,58,58,58	0
56	MG	1A	3841	1/1	0.95	0.10	27,27,27,27	0
56	MG	1A	3134	1/1	0.95	0.10	54,54,54,54	0
56	MG	1A	3683	1/1	0.95	0.13	40,40,40,40	0
56	MG	1A	3528	1/1	0.95	0.07	45,45,45,45	0
56	MG	1a	1632	1/1	0.95	0.16	52,52,52,52	0
56	MG	1A	3413	1/1	0.95	0.10	36,36,36,36	0
56	MG	1A	3327	1/1	0.95	0.13	28,28,28,28	0
56	MG	2A	3030	1/1	0.95	0.09	51,51,51,51	0
56	MG	2A	3032	1/1	0.95	0.07	38,38,38,38	0
56	MG	2a	3112	1/1	0.95	0.13	54,54,54,54	0
56	MG	1A	3416	1/1	0.95	0.10	47,47,47,47	0
56	MG	2A	3034	1/1	0.95	0.08	45,45,45,45	0
56	MG	1A	4073	1/1	0.95	0.06	42,42,42,42	0
56	MG	2A	3706	1/1	0.95	0.06	47,47,47,47	0
56	MG	2A	3036	1/1	0.95	0.10	54,54,54,54	0
56	MG	2A	3038	1/1	0.95	0.08	31,31,31,31	0
56	MG	1A	3137	1/1	0.95	0.09	33,33,33,33	0
56	MG	1A	3329	1/1	0.95	0.11	43,43,43,43	0
56	MG	1A	3059	1/1	0.95	0.11	48,48,48,48	0
56	MG	2a	3123	1/1	0.95	0.13	54,54,54,54	0
56	MG	2A	3713	1/1	0.95	0.13	67,67,67,67	0
56	MG	1a	1641	1/1	0.95	0.15	58,58,58,58	0
56	MG	1A	3331	1/1	0.95	0.13	54,54,54,54	0
56	MG	1A	3421	1/1	0.95	0.09	46,46,46,46	0
56	MG	1a	1644	1/1	0.95	0.15	66,66,66,66	0
56	MG	1A	3195	1/1	0.95	0.25	40,40,40,40	0
56	MG	2A	3721	1/1	0.95	0.08	46,46,46,46	0
56	MG	1a	1646	1/1	0.95	0.08	51,51,51,51	0
56	MG	2A	3726	1/1	0.95	0.13	56,56,56,56	0
56	MG	2A	3356	1/1	0.95	0.13	55,55,55,55	0
56	MG	2A	3054	1/1	0.95	0.09	54,54,54,54	0
56	MG	2A	3730	1/1	0.95	0.09	43,43,43,43	0
56	MG	1A	3860	1/1	0.95	0.14	47,47,47,47	0
56	MG	2A	3057	1/1	0.95	0.08	46,46,46,46	0
56	MG	2a	3139	1/1	0.95	0.08	73,73,73,73	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	2A	3361	1/1	0.95	0.12	51,51,51,51	0
56	MG	1A	4088	1/1	0.95	0.10	57,57,57,57	0
56	MG	1a	1649	1/1	0.95	0.13	45,45,45,45	0
56	MG	2A	3061	1/1	0.95	0.08	49,49,49,49	0
56	MG	1A	3697	1/1	0.95	0.11	51,51,51,51	0
56	MG	1A	3255	1/1	0.95	0.14	47,47,47,47	0
56	MG	1A	3865	1/1	0.95	0.34	43,43,43,43	0
56	MG	1A	3102	1/1	0.95	0.10	54,54,54,54	0
56	MG	1a	1659	1/1	0.95	0.22	62,62,62,62	0
56	MG	1A	3700	1/1	0.95	0.07	16,16,16,16	0
56	MG	1A	3869	1/1	0.95	0.08	56,56,56,56	0
56	MG	2A	3070	1/1	0.95	0.23	42,42,42,42	0
56	MG	1A	4102	1/1	0.95	0.12	45,45,45,45	0
56	MG	1A	3147	1/1	0.95	0.16	54,54,54,54	0
56	MG	2a	3163	1/1	0.95	0.06	72,72,72,72	0
56	MG	2a	3164	1/1	0.95	0.10	73,73,73,73	0
56	MG	2A	3750	1/1	0.95	0.13	47,47,47,47	0
56	MG	1A	3704	1/1	0.95	0.13	49,49,49,49	0
56	MG	2a	3168	1/1	0.95	0.07	78,78,78,78	0
56	MG	1A	4105	1/1	0.95	0.11	44,44,44,44	0
56	MG	1A	4108	1/1	0.95	0.21	48,48,48,48	0
56	MG	1a	1667	1/1	0.95	0.17	65,65,65,65	0
56	MG	2A	3382	1/1	0.95	0.09	50,50,50,50	0
56	MG	1A	3546	1/1	0.95	0.12	45,45,45,45	0
56	MG	1A	3706	1/1	0.95	0.11	40,40,40,40	0
56	MG	1A	3103	1/1	0.95	0.07	38,38,38,38	0
56	MG	2A	3085	1/1	0.95	0.11	44,44,44,44	0
56	MG	2A	3391	1/1	0.95	0.12	58,58,58,58	0
56	MG	2A	3086	1/1	0.95	0.10	44,44,44,44	0
56	MG	2a	3186	1/1	0.95	0.14	53,53,53,53	0
56	MG	2A	3763	1/1	0.95	0.10	52,52,52,52	0
56	MG	2a	3188	1/1	0.95	0.09	68,68,68,68	0
56	MG	2a	3189	1/1	0.95	0.11	48,48,48,48	0
56	MG	2A	3087	1/1	0.95	0.13	53,53,53,53	0
56	MG	1A	3877	1/1	0.95	0.07	39,39,39,39	0
56	MG	2A	3395	1/1	0.95	0.10	50,50,50,50	0
56	MG	1A	3427	1/1	0.95	0.10	44,44,44,44	0
56	MG	1A	4124	1/1	0.95	0.30	46,46,46,46	0
56	MG	1A	3104	1/1	0.95	0.19	40,40,40,40	0
56	MG	1A	3429	1/1	0.95	0.09	48,48,48,48	0
56	MG	1A	3151	1/1	0.95	0.14	47,47,47,47	0
56	MG	2A	3403	1/1	0.95	0.23	60,60,60,60	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	1A	3060	1/1	0.95	0.07	45,45,45,45	0
56	MG	1a	1680	1/1	0.95	0.17	64,64,64,64	0
56	MG	2a	3203	1/1	0.95	0.17	62,62,62,62	0
56	MG	2A	3776	1/1	0.95	0.11	44,44,44,44	0
56	MG	2A	3099	1/1	0.95	0.11	42,42,42,42	0
56	MG	2A	3778	1/1	0.95	0.08	52,52,52,52	0
56	MG	1A	3208	1/1	0.95	0.09	55,55,55,55	0
56	MG	1A	3435	1/1	0.95	0.10	53,53,53,53	0
56	MG	1A	3153	1/1	0.95	0.11	37,37,37,37	0
56	MG	1A	3345	1/1	0.95	0.07	47,47,47,47	0
56	MG	2A	3784	1/1	0.95	0.07	47,47,47,47	0
56	MG	2a	3213	1/1	0.95	0.15	69,69,69,69	0
56	MG	1B	3004	1/1	0.95	0.19	50,50,50,50	0
56	MG	1a	1687	1/1	0.95	0.12	50,50,50,50	0
56	MG	2A	3415	1/1	0.95	0.10	50,50,50,50	0
56	MG	2A	3791	1/1	0.95	0.09	46,46,46,46	0
56	MG	2A	3792	1/1	0.95	0.15	51,51,51,51	0
56	MG	2A	3416	1/1	0.95	0.17	59,59,59,59	0
56	MG	1A	3346	1/1	0.95	0.18	48,48,48,48	0
56	MG	1A	3210	1/1	0.95	0.08	42,42,42,42	0
56	MG	2a	3223	1/1	0.95	0.24	52,52,52,52	0
56	MG	1A	3044	1/1	0.95	0.08	37,37,37,37	0
56	MG	2a	3225	1/1	0.95	0.10	57,57,57,57	0
56	MG	2A	3112	1/1	0.95	0.10	42,42,42,42	0
56	MG	1A	3351	1/1	0.95	0.20	49,49,49,49	0
56	MG	1a	1692	1/1	0.95	0.28	69,69,69,69	0
56	MG	1a	1693	1/1	0.95	0.10	58,58,58,58	0
56	MG	2A	3803	1/1	0.95	0.07	42,42,42,42	0
56	MG	1A	3899	1/1	0.95	0.11	52,52,52,52	0
56	MG	1A	3216	1/1	0.95	0.20	50,50,50,50	0
56	MG	1A	3730	1/1	0.95	0.10	43,43,43,43	0
56	MG	1A	3273	1/1	0.95	0.23	53,53,53,53	0
56	MG	1A	3354	1/1	0.95	0.15	68,68,68,68	0
56	MG	1A	3217	1/1	0.95	0.17	47,47,47,47	0
56	MG	2A	3813	1/1	0.95	0.12	48,48,48,48	0
56	MG	1A	3047	1/1	0.95	0.06	21,21,21,21	0
56	MG	1A	3001	1/1	0.95	0.10	42,42,42,42	0
56	MG	2A	3131	1/1	0.95	0.09	42,42,42,42	0
56	MG	1A	3909	1/1	0.95	0.09	40,40,40,40	0
56	MG	2a	3243	1/1	0.95	0.17	64,64,64,64	0
56	MG	1A	3741	1/1	0.95	0.10	45,45,45,45	0
56	MG	1A	3221	1/1	0.95	0.16	55,55,55,55	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	1A	3916	1/1	0.95	0.07	53,53,53,53	0
56	MG	1B	3023	1/1	0.95	0.08	54,54,54,54	0
56	MG	1A	3291	1/1	0.95	0.10	59,59,59,59	0
56	MG	2A	3828	1/1	0.95	0.09	80,80,80,80	0
56	MG	1A	3919	1/1	0.95	0.13	38,38,38,38	0
56	MG	2A	3445	1/1	0.95	0.22	55,55,55,55	0
56	MG	2A	3149	1/1	0.95	0.27	54,54,54,54	0
56	MG	1A	3920	1/1	0.95	0.09	44,44,44,44	0
56	MG	1A	3455	1/1	0.95	0.09	47,47,47,47	0
56	MG	1A	3457	1/1	0.95	0.12	59,59,59,59	0
56	MG	1B	3031	1/1	0.95	0.07	67,67,67,67	0
56	MG	1A	3005	1/1	0.95	0.11	41,41,41,41	0
56	MG	1A	3931	1/1	0.95	0.09	55,55,55,55	0
56	MG	1A	3588	1/1	0.95	0.10	46,46,46,46	0
56	MG	2A	3848	1/1	0.95	0.06	36,36,36,36	0
56	MG	2A	3159	1/1	0.95	0.19	53,53,53,53	0
56	MG	1A	3751	1/1	0.95	0.11	48,48,48,48	0
56	MG	2w	105	1/1	0.95	0.16	70,70,70,70	0
56	MG	2w	106	1/1	0.95	0.14	60,60,60,60	0
56	MG	2A	3162	1/1	0.95	0.14	53,53,53,53	0
56	MG	1A	3938	1/1	0.95	0.05	55,55,55,55	0
56	MG	1A	3294	1/1	0.95	0.16	52,52,52,52	0
56	MG	1D	307	1/1	0.95	0.12	45,45,45,45	0
56	MG	1A	3165	1/1	0.95	0.17	48,48,48,48	0
56	MG	1A	3373	1/1	0.95	0.11	52,52,52,52	0
56	MG	1A	3755	1/1	0.95	0.12	36,36,36,36	0
56	MG	2A	3464	1/1	0.95	0.25	54,54,54,54	0
56	MG	2A	3868	1/1	0.95	0.09	69,69,69,69	0
56	MG	2A	3869	1/1	0.95	0.05	56,56,56,56	0
56	MG	1a	1731	1/1	0.95	0.14	50,50,50,50	0
56	MG	2A	3872	1/1	0.95	0.07	44,44,44,44	0
57	K	1A	3584	1/1	0.95	0.09	58,58,58,58	0
56	MG	2A	3874	1/1	0.95	0.06	53,53,53,53	0
56	MG	1A	3374	1/1	0.95	0.17	55,55,55,55	0
56	MG	1B	3001	1/1	0.96	0.21	48,48,48,48	0
56	MG	2A	3608	1/1	0.96	0.05	61,61,61,61	0
56	MG	2A	3609	1/1	0.96	0.12	42,42,42,42	0
56	MG	2A	3315	1/1	0.96	0.12	54,54,54,54	0
56	MG	1A	3498	1/1	0.96	0.09	46,46,46,46	0
56	MG	2A	3612	1/1	0.96	0.08	39,39,39,39	0
56	MG	2P	201	1/1	0.96	0.06	45,45,45,45	0
56	MG	1A	3758	1/1	0.96	0.09	71,71,71,71	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	2Q	3002	1/1	0.96	0.08	44,44,44,44	0
56	MG	1A	3222	1/1	0.96	0.13	56,56,56,56	0
56	MG	1A	3917	1/1	0.96	0.06	80,80,80,80	0
56	MG	2A	3055	1/1	0.96	0.08	46,46,46,46	0
56	MG	1A	3621	1/1	0.96	0.11	48,48,48,48	0
56	MG	2A	3323	1/1	0.96	0.13	56,56,56,56	0
56	MG	1A	3622	1/1	0.96	0.07	36,36,36,36	0
56	MG	2U	204	1/1	0.96	0.14	45,45,45,45	0
56	MG	1A	3763	1/1	0.96	0.09	52,52,52,52	0
56	MG	2A	3059	1/1	0.96	0.11	46,46,46,46	0
56	MG	1A	3765	1/1	0.96	0.06	25,25,25,25	0
56	MG	2A	3328	1/1	0.96	0.13	39,39,39,39	0
56	MG	1A	3922	1/1	0.96	0.08	57,57,57,57	0
56	MG	1a	1678	1/1	0.96	0.24	63,63,63,63	0
56	MG	1A	3500	1/1	0.96	0.06	38,38,38,38	0
56	MG	1A	3019	1/1	0.96	0.15	37,37,37,37	0
56	MG	1A	3502	1/1	0.96	0.13	49,49,49,49	0
56	MG	1A	3503	1/1	0.96	0.09	32,32,32,32	0
56	MG	2A	3636	1/1	0.96	0.24	59,59,59,59	0
56	MG	1A	3049	1/1	0.96	0.11	26,26,26,26	0
56	MG	1A	3347	1/1	0.96	0.09	44,44,44,44	0
56	MG	1a	1685	1/1	0.96	0.18	51,51,51,51	0
56	MG	25	104	1/1	0.96	0.07	43,43,43,43	0
56	MG	2A	3641	1/1	0.96	0.10	57,57,57,57	0
56	MG	1A	3283	1/1	0.96	0.14	40,40,40,40	0
56	MG	1A	3777	1/1	0.96	0.11	55,55,55,55	0
56	MG	1A	3284	1/1	0.96	0.21	56,56,56,56	0
56	MG	1A	3945	1/1	0.96	0.09	41,41,41,41	0
56	MG	2a	3002	1/1	0.96	0.07	50,50,50,50	0
56	MG	2A	3076	1/1	0.96	0.11	35,35,35,35	0
56	MG	1A	3099	1/1	0.96	0.09	44,44,44,44	0
56	MG	2A	3648	1/1	0.96	0.07	51,51,51,51	0
56	MG	1A	3510	1/1	0.96	0.07	45,45,45,45	0
56	MG	1A	3638	1/1	0.96	0.07	53,53,53,53	0
56	MG	2A	3652	1/1	0.96	0.13	41,41,41,41	0
56	MG	2a	3009	1/1	0.96	0.07	60,60,60,60	0
56	MG	1A	3029	1/1	0.96	0.12	38,38,38,38	0
56	MG	1A	3292	1/1	0.96	0.09	56,56,56,56	0
56	MG	2A	3083	1/1	0.96	0.15	49,49,49,49	0
56	MG	1A	3785	1/1	0.96	0.07	47,47,47,47	0
56	MG	1A	3179	1/1	0.96	0.07	36,36,36,36	0
56	MG	2A	3352	1/1	0.96	0.11	53,53,53,53	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	1A	3517	1/1	0.96	0.08	37,37,37,37	0
56	MG	1a	1700	1/1	0.96	0.25	50,50,50,50	0
56	MG	2A	3089	1/1	0.96	0.07	46,46,46,46	0
56	MG	1A	3956	1/1	0.96	0.06	61,61,61,61	0
56	MG	1A	3518	1/1	0.96	0.12	48,48,48,48	0
56	MG	2A	3666	1/1	0.96	0.07	34,34,34,34	0
56	MG	1A	3958	1/1	0.96	0.12	44,44,44,44	0
56	MG	2A	3669	1/1	0.96	0.08	42,42,42,42	0
56	MG	1B	3037	1/1	0.96	0.06	40,40,40,40	0
56	MG	1A	3031	1/1	0.96	0.13	31,31,31,31	0
56	MG	1A	3961	1/1	0.96	0.09	38,38,38,38	0
56	MG	1A	3791	1/1	0.96	0.07	43,43,43,43	0
56	MG	1A	3792	1/1	0.96	0.07	35,35,35,35	0
56	MG	1D	310	1/1	0.96	0.14	39,39,39,39	0
56	MG	1A	3965	1/1	0.96	0.13	67,67,67,67	0
56	MG	1D	312	1/1	0.96	0.17	42,42,42,42	0
56	MG	1E	301	1/1	0.96	0.11	37,37,37,37	0
56	MG	1A	3793	1/1	0.96	0.27	37,37,37,37	0
56	MG	1a	1714	1/1	0.96	0.17	66,66,66,66	0
56	MG	1A	3968	1/1	0.96	0.06	62,62,62,62	0
56	MG	2A	3373	1/1	0.96	0.07	52,52,52,52	0
56	MG	1A	3520	1/1	0.96	0.10	41,41,41,41	0
56	MG	1A	3078	1/1	0.96	0.10	31,31,31,31	0
56	MG	1A	3522	1/1	0.96	0.07	49,49,49,49	0
56	MG	2A	3377	1/1	0.96	0.08	57,57,57,57	0
56	MG	1A	3797	1/1	0.96	0.12	53,53,53,53	0
56	MG	2A	3689	1/1	0.96	0.17	71,71,71,71	0
56	MG	2A	3690	1/1	0.96	0.13	61,61,61,61	0
56	MG	2A	3114	1/1	0.96	0.11	55,55,55,55	0
56	MG	1A	3132	1/1	0.96	0.10	40,40,40,40	0
56	MG	1A	3233	1/1	0.96	0.09	49,49,49,49	0
56	MG	1A	3977	1/1	0.96	0.10	56,56,56,56	0
56	MG	2A	3383	1/1	0.96	0.22	60,60,60,60	0
56	MG	2A	3118	1/1	0.96	0.17	50,50,50,50	0
56	MG	1F	305	1/1	0.96	0.07	48,48,48,48	0
56	MG	2A	3120	1/1	0.96	0.12	51,51,51,51	0
56	MG	2A	3122	1/1	0.96	0.07	39,39,39,39	0
56	MG	2A	3389	1/1	0.96	0.15	58,58,58,58	0
56	MG	2A	3390	1/1	0.96	0.10	57,57,57,57	0
56	MG	1A	3657	1/1	0.96	0.09	27,27,27,27	0
56	MG	1A	3433	1/1	0.96	0.15	47,47,47,47	0
56	MG	2A	3707	1/1	0.96	0.06	61,61,61,61	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	1A	3057	1/1	0.96	0.10	54,54,54,54	0
56	MG	1A	3981	1/1	0.96	0.07	52,52,52,52	0
56	MG	1A	3804	1/1	0.96	0.06	40,40,40,40	0
56	MG	1A	3366	1/1	0.96	0.07	38,38,38,38	0
56	MG	1A	3806	1/1	0.96	0.07	34,34,34,34	0
56	MG	2A	3133	1/1	0.96	0.08	49,49,49,49	0
56	MG	1A	3664	1/1	0.96	0.08	48,48,48,48	0
56	MG	2A	3401	1/1	0.96	0.14	52,52,52,52	0
56	MG	1A	3989	1/1	0.96	0.07	60,60,60,60	0
56	MG	1A	3081	1/1	0.96	0.16	34,34,34,34	0
56	MG	1A	3135	1/1	0.96	0.06	32,32,32,32	0
56	MG	1A	3533	1/1	0.96	0.09	36,36,36,36	0
56	MG	1A	3534	1/1	0.96	0.19	33,33,33,33	0
56	MG	2A	3724	1/1	0.96	0.06	57,57,57,57	0
56	MG	2A	3725	1/1	0.96	0.10	49,49,49,49	0
56	MG	1a	1745	1/1	0.96	0.11	55,55,55,55	0
56	MG	2A	3409	1/1	0.96	0.17	47,47,47,47	0
56	MG	1A	3187	1/1	0.96	0.14	47,47,47,47	0
56	MG	1A	3672	1/1	0.96	0.06	31,31,31,31	0
56	MG	1O	203	1/1	0.96	0.11	63,63,63,63	0
56	MG	1A	3815	1/1	0.96	0.22	44,44,44,44	0
56	MG	1A	3998	1/1	0.96	0.10	65,65,65,65	0
56	MG	2A	3154	1/1	0.96	0.19	48,48,48,48	0
56	MG	2a	3084	1/1	0.96	0.07	44,44,44,44	0
56	MG	1a	1753	1/1	0.96	0.09	59,59,59,59	0
56	MG	1a	1754	1/1	0.96	0.06	51,51,51,51	0
56	MG	1A	3816	1/1	0.96	0.10	49,49,49,49	0
56	MG	1A	3136	1/1	0.96	0.11	52,52,52,52	0
56	MG	2A	3160	1/1	0.96	0.18	44,44,44,44	0
56	MG	1A	3442	1/1	0.96	0.10	56,56,56,56	0
56	MG	1A	3819	1/1	0.96	0.12	48,48,48,48	0
56	MG	2A	3164	1/1	0.96	0.22	53,53,53,53	0
56	MG	1A	3443	1/1	0.96	0.09	54,54,54,54	0
56	MG	1Q	206	1/1	0.96	0.06	54,54,54,54	0
56	MG	1A	3105	1/1	0.96	0.10	40,40,40,40	0
56	MG	1A	3376	1/1	0.96	0.10	51,51,51,51	0
56	MG	1a	1764	1/1	0.96	0.05	59,59,59,59	0
56	MG	1a	1765	1/1	0.96	0.07	49,49,49,49	0
56	MG	1A	3140	1/1	0.96	0.17	43,43,43,43	0
56	MG	2A	3433	1/1	0.96	0.06	64,64,64,64	0
56	MG	1A	4011	1/1	0.96	0.06	43,43,43,43	0
56	MG	2A	3755	1/1	0.96	0.09	50,50,50,50	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	2A	3435	1/1	0.96	0.07	49,49,49,49	0
56	MG	1a	1768	1/1	0.96	0.09	53,53,53,53	0
56	MG	1A	3680	1/1	0.96	0.14	44,44,44,44	0
56	MG	1A	4016	1/1	0.96	0.07	46,46,46,46	0
56	MG	1U	201	1/1	0.96	0.11	52,52,52,52	0
56	MG	1A	4018	1/1	0.96	0.14	67,67,67,67	0
56	MG	1A	3826	1/1	0.96	0.06	42,42,42,42	0
56	MG	2A	3181	1/1	0.96	0.13	40,40,40,40	0
56	MG	2A	3443	1/1	0.96	0.23	50,50,50,50	0
56	MG	1U	208	1/1	0.96	0.09	38,38,38,38	0
56	MG	1A	4020	1/1	0.96	0.06	53,53,53,53	0
56	MG	1A	3142	1/1	0.96	0.10	23,23,23,23	0
56	MG	1A	3311	1/1	0.96	0.17	48,48,48,48	0
56	MG	2A	3187	1/1	0.96	0.11	50,50,50,50	0
56	MG	2A	3188	1/1	0.96	0.06	36,36,36,36	0
56	MG	1A	3193	1/1	0.96	0.14	34,34,34,34	0
56	MG	1A	3451	1/1	0.96	0.11	47,47,47,47	0
56	MG	1X	104	1/1	0.96	0.07	52,52,52,52	0
56	MG	1A	3107	1/1	0.96	0.15	35,35,35,35	0
56	MG	2A	3775	1/1	0.96	0.07	38,38,38,38	0
56	MG	1A	4028	1/1	0.96	0.09	69,69,69,69	0
56	MG	1a	1786	1/1	0.96	0.09	64,64,64,64	0
56	MG	1A	3553	1/1	0.96	0.26	49,49,49,49	0
56	MG	2A	3779	1/1	0.96	0.09	56,56,56,56	0
56	MG	1A	4031	1/1	0.96	0.06	54,54,54,54	0
56	MG	1A	3554	1/1	0.96	0.19	47,47,47,47	0
56	MG	1A	3144	1/1	0.96	0.09	52,52,52,52	0
56	MG	1A	3556	1/1	0.96	0.22	42,42,42,42	0
56	MG	1A	3317	1/1	0.96	0.10	47,47,47,47	0
56	MG	10	102	1/1	0.96	0.07	44,44,44,44	0
56	MG	10	103	1/1	0.96	0.08	45,45,45,45	0
56	MG	1A	3108	1/1	0.96	0.30	43,43,43,43	0
56	MG	1A	4041	1/1	0.96	0.18	36,36,36,36	0
56	MG	2A	3467	1/1	0.96	0.18	60,60,60,60	0
56	MG	2a	3144	1/1	0.96	0.11	83,83,83,83	0
56	MG	2A	3207	1/1	0.96	0.09	44,44,44,44	0
56	MG	2A	3208	1/1	0.96	0.17	57,57,57,57	0
56	MG	1A	3693	1/1	0.96	0.13	40,40,40,40	0
56	MG	1a	1811	1/1	0.96	0.08	77,77,77,77	0
56	MG	2a	3150	1/1	0.96	0.06	78,78,78,78	0
56	MG	2A	3212	1/1	0.96	0.07	52,52,52,52	0
56	MG	1A	3559	1/1	0.96	0.17	34,34,34,34	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	1A	3842	1/1	0.96	0.11	26,26,26,26	0
56	MG	1A	3843	1/1	0.96	0.08	31,31,31,31	0
56	MG	1A	3695	1/1	0.96	0.08	57,57,57,57	0
56	MG	1A	3845	1/1	0.96	0.12	38,38,38,38	0
56	MG	1A	3456	1/1	0.96	0.14	48,48,48,48	0
56	MG	1A	3847	1/1	0.96	0.08	48,48,48,48	0
56	MG	1A	3021	1/1	0.96	0.11	45,45,45,45	0
56	MG	1A	3086	1/1	0.96	0.13	50,50,50,50	0
56	MG	1A	3321	1/1	0.96	0.22	51,51,51,51	0
56	MG	1A	3202	1/1	0.96	0.07	32,32,32,32	0
56	MG	1A	3113	1/1	0.96	0.09	35,35,35,35	0
56	MG	2a	3169	1/1	0.96	0.08	51,51,51,51	0
56	MG	1A	4058	1/1	0.96	0.08	47,47,47,47	0
56	MG	1A	3038	1/1	0.96	0.08	50,50,50,50	0
56	MG	2A	3230	1/1	0.96	0.12	48,48,48,48	0
56	MG	2a	3173	1/1	0.96	0.08	62,62,62,62	0
56	MG	1A	3022	1/1	0.96	0.07	21,21,21,21	0
56	MG	1l	202	1/1	0.96	0.10	69,69,69,69	0
56	MG	1A	3396	1/1	0.96	0.07	47,47,47,47	0
56	MG	1A	3397	1/1	0.96	0.07	47,47,47,47	0
56	MG	1A	3858	1/1	0.96	0.04	30,30,30,30	0
56	MG	2a	3180	1/1	0.96	0.07	73,73,73,73	0
56	MG	2A	3237	1/1	0.96	0.10	39,39,39,39	0
56	MG	2a	3183	1/1	0.96	0.07	76,76,76,76	0
56	MG	2a	3184	1/1	0.96	0.13	54,54,54,54	0
56	MG	1A	3469	1/1	0.96	0.12	53,53,53,53	0
56	MG	1A	3040	1/1	0.96	0.07	36,36,36,36	0
56	MG	2A	3240	1/1	0.96	0.11	40,40,40,40	0
56	MG	2A	3833	1/1	0.96	0.11	55,55,55,55	0
56	MG	1A	3259	1/1	0.96	0.06	40,40,40,40	0
56	MG	2A	3504	1/1	0.96	0.05	36,36,36,36	0
56	MG	2a	3191	1/1	0.96	0.07	63,63,63,63	0
56	MG	1A	3862	1/1	0.96	0.17	43,43,43,43	0
56	MG	1A	3007	1/1	0.96	0.07	38,38,38,38	0
56	MG	1A	3474	1/1	0.96	0.23	60,60,60,60	0
56	MG	2a	3195	1/1	0.96	0.06	41,41,41,41	0
56	MG	1A	3025	1/1	0.96	0.09	41,41,41,41	0
56	MG	1A	3262	1/1	0.96	0.07	49,49,49,49	0
56	MG	1A	3720	1/1	0.96	0.07	53,53,53,53	0
56	MG	1A	3263	1/1	0.96	0.14	52,52,52,52	0
56	MG	1w	111	1/1	0.96	0.08	41,41,41,41	0
56	MG	1A	3479	1/1	0.96	0.06	38,38,38,38	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	2A	3517	1/1	0.96	0.07	42,42,42,42	0
56	MG	2A	3253	1/1	0.96	0.07	47,47,47,47	0
56	MG	2A	3858	1/1	0.96	0.08	43,43,43,43	0
56	MG	1A	3405	1/1	0.96	0.17	42,42,42,42	0
56	MG	1A	3587	1/1	0.96	0.13	38,38,38,38	0
56	MG	1A	4079	1/1	0.96	0.14	46,46,46,46	0
56	MG	2A	3527	1/1	0.96	0.06	31,31,31,31	0
56	MG	1a	1621	1/1	0.96	0.06	42,42,42,42	0
56	MG	1A	3725	1/1	0.96	0.07	52,52,52,52	0
56	MG	1A	3482	1/1	0.96	0.08	50,50,50,50	0
56	MG	2A	3260	1/1	0.96	0.11	53,53,53,53	0
56	MG	1A	3212	1/1	0.96	0.22	32,32,32,32	0
56	MG	2A	3873	1/1	0.96	0.12	40,40,40,40	0
56	MG	1A	4086	1/1	0.96	0.23	43,43,43,43	0
56	MG	1A	3213	1/1	0.96	0.09	42,42,42,42	0
56	MG	1A	3881	1/1	0.96	0.08	37,37,37,37	0
56	MG	1A	4089	1/1	0.96	0.07	36,36,36,36	0
56	MG	2A	3537	1/1	0.96	0.06	35,35,35,35	0
56	MG	2A	3881	1/1	0.96	0.07	48,48,48,48	0
56	MG	1A	4090	1/1	0.96	0.14	37,37,37,37	0
56	MG	1A	3591	1/1	0.96	0.14	52,52,52,52	0
56	MG	2A	3885	1/1	0.96	0.18	54,54,54,54	0
56	MG	1A	3158	1/1	0.96	0.11	56,56,56,56	0
56	MG	2A	3887	1/1	0.96	0.07	48,48,48,48	0
56	MG	1A	3160	1/1	0.96	0.14	41,41,41,41	0
56	MG	1A	3336	1/1	0.96	0.12	41,41,41,41	0
56	MG	1A	4097	1/1	0.96	0.07	47,47,47,47	0
56	MG	1A	3411	1/1	0.96	0.10	43,43,43,43	0
56	MG	1A	3162	1/1	0.96	0.34	44,44,44,44	0
56	MG	2A	3003	1/1	0.96	0.14	43,43,43,43	0
56	MG	1A	3889	1/1	0.96	0.14	60,60,60,60	0
56	MG	2A	3898	1/1	0.96	0.07	28,28,28,28	0
56	MG	2A	3005	1/1	0.96	0.17	48,48,48,48	0
56	MG	1A	3269	1/1	0.96	0.13	52,52,52,52	0
56	MG	2A	3902	1/1	0.96	0.15	43,43,43,43	0
56	MG	2A	3007	1/1	0.96	0.06	43,43,43,43	0
56	MG	2A	3904	1/1	0.96	0.17	41,41,41,41	0
56	MG	1A	3599	1/1	0.96	0.08	21,21,21,21	0
56	MG	1A	3339	1/1	0.96	0.14	51,51,51,51	0
56	MG	2A	3011	1/1	0.96	0.06	48,48,48,48	0
56	MG	1A	3492	1/1	0.96	0.14	52,52,52,52	0
56	MG	1A	3066	1/1	0.96	0.08	35,35,35,35	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	1A	3898	1/1	0.96	0.10	50,50,50,50	0
56	MG	2A	3285	1/1	0.96	0.07	49,49,49,49	0
56	MG	1A	3605	1/1	0.96	0.09	32,32,32,32	0
56	MG	1A	4117	1/1	0.96	0.22	39,39,39,39	0
56	MG	1A	3121	1/1	0.96	0.16	43,43,43,43	0
56	MG	1A	3750	1/1	0.96	0.09	29,29,29,29	0
56	MG	2A	3026	1/1	0.96	0.08	36,36,36,36	0
56	MG	1A	3608	1/1	0.96	0.10	51,51,51,51	0
56	MG	1a	1650	1/1	0.96	0.11	53,53,53,53	0
56	MG	2A	3293	1/1	0.96	0.08	50,50,50,50	0
56	MG	2A	3575	1/1	0.96	0.07	39,39,39,39	0
56	MG	1A	3609	1/1	0.96	0.10	50,50,50,50	0
56	MG	2A	3031	1/1	0.96	0.09	45,45,45,45	0
56	MG	2A	3578	1/1	0.96	0.07	39,39,39,39	0
56	MG	1A	4128	1/1	0.96	0.23	43,43,43,43	0
56	MG	1A	4129	1/1	0.96	0.09	42,42,42,42	0
56	MG	2A	3582	1/1	0.96	0.07	51,51,51,51	0
56	MG	1A	3017	1/1	0.96	0.12	54,54,54,54	0
56	MG	1A	4132	1/1	0.96	0.17	39,39,39,39	0
56	MG	1A	3496	1/1	0.96	0.12	38,38,38,38	0
56	MG	2x	101	1/1	0.96	0.11	42,42,42,42	0
56	MG	1A	3497	1/1	0.96	0.17	33,33,33,33	0
56	MG	1A	4136	1/1	0.96	0.08	40,40,40,40	0
56	MG	1A	3615	1/1	0.96	0.08	25,25,25,25	0
56	MG	2D	303	1/1	0.96	0.06	35,35,35,35	0
56	MG	2A	3041	1/1	0.96	0.12	49,49,49,49	0
56	MG	1A	3911	1/1	0.96	0.10	65,65,65,65	0
56	MG	2A	3598	1/1	0.96	0.09	48,48,48,48	0
56	MG	1A	4141	1/1	0.96	0.24	50,50,50,50	0
56	MG	2A	3044	1/1	0.96	0.09	48,48,48,48	0
56	MG	1A	4142	1/1	0.96	0.11	42,42,42,42	0
56	MG	2A	3046	1/1	0.96	0.07	48,48,48,48	0
56	MG	2A	3047	1/1	0.96	0.10	46,46,46,46	0
56	MG	2A	3048	1/1	0.96	0.10	41,41,41,41	0
56	MG	1A	4005	1/1	0.97	0.05	50,50,50,50	0
56	MG	2A	3692	1/1	0.97	0.10	56,56,56,56	0
56	MG	1A	3628	1/1	0.97	0.09	28,28,28,28	0
56	MG	1A	3629	1/1	0.97	0.08	32,32,32,32	0
56	MG	1A	4008	1/1	0.97	0.06	56,56,56,56	0
56	MG	1A	4009	1/1	0.97	0.09	27,27,27,27	0
56	MG	2A	3697	1/1	0.97	0.07	34,34,34,34	0
56	MG	2A	3222	1/1	0.97	0.10	38,38,38,38	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	1D	301	1/1	0.97	0.17	46,46,46,46	0
56	MG	1A	3749	1/1	0.97	0.07	41,41,41,41	0
56	MG	2A	3002	1/1	0.97	0.28	57,57,57,57	0
56	MG	1a	1670	1/1	0.97	0.09	59,59,59,59	0
56	MG	1D	304	1/1	0.97	0.13	30,30,30,30	0
56	MG	1A	3170	1/1	0.97	0.11	39,39,39,39	0
56	MG	1A	3532	1/1	0.97	0.17	36,36,36,36	0
56	MG	1A	4015	1/1	0.97	0.05	37,37,37,37	0
56	MG	1A	3864	1/1	0.97	0.14	35,35,35,35	0
56	MG	2A	3009	1/1	0.97	0.07	31,31,31,31	0
56	MG	1A	3139	1/1	0.97	0.09	48,48,48,48	0
56	MG	2A	3451	1/1	0.97	0.30	56,56,56,56	0
56	MG	1A	3634	1/1	0.97	0.09	44,44,44,44	0
56	MG	1A	3173	1/1	0.97	0.13	42,42,42,42	0
56	MG	2A	3013	1/1	0.97	0.11	44,44,44,44	0
56	MG	1A	3868	1/1	0.97	0.08	47,47,47,47	0
56	MG	2A	3015	1/1	0.97	0.11	43,43,43,43	0
56	MG	1A	3174	1/1	0.97	0.20	38,38,38,38	0
56	MG	1A	3175	1/1	0.97	0.19	40,40,40,40	0
56	MG	2a	3023	1/1	0.97	0.06	47,47,47,47	0
56	MG	1A	3389	1/1	0.97	0.11	53,53,53,53	0
56	MG	2A	3019	1/1	0.97	0.06	38,38,38,38	0
56	MG	2A	3020	1/1	0.97	0.18	49,49,49,49	0
56	MG	2A	3022	1/1	0.97	0.14	47,47,47,47	0
56	MG	1A	3640	1/1	0.97	0.10	53,53,53,53	0
56	MG	1E	308	1/1	0.97	0.14	34,34,34,34	0
56	MG	2A	3025	1/1	0.97	0.14	42,42,42,42	0
56	MG	1E	309	1/1	0.97	0.06	50,50,50,50	0
56	MG	1A	4027	1/1	0.97	0.12	50,50,50,50	0
56	MG	1A	3220	1/1	0.97	0.09	41,41,41,41	0
56	MG	1A	3642	1/1	0.97	0.07	40,40,40,40	0
56	MG	2A	3735	1/1	0.97	0.07	55,55,55,55	0
56	MG	1A	3876	1/1	0.97	0.09	49,49,49,49	0
56	MG	1A	3761	1/1	0.97	0.09	51,51,51,51	0
56	MG	1A	3460	1/1	0.97	0.11	48,48,48,48	0
56	MG	1A	4034	1/1	0.97	0.06	51,51,51,51	0
56	MG	1A	3461	1/1	0.97	0.17	44,44,44,44	0
56	MG	1G	3001	1/1	0.97	0.10	41,41,41,41	0
56	MG	1A	3880	1/1	0.97	0.12	30,30,30,30	0
56	MG	1A	3764	1/1	0.97	0.10	31,31,31,31	0
56	MG	1A	3462	1/1	0.97	0.10	32,32,32,32	0
56	MG	1a	1698	1/1	0.97	0.05	52,52,52,52	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	2A	3746	1/1	0.97	0.05	68,68,68,68	0
56	MG	1a	1699	1/1	0.97	0.18	40,40,40,40	0
56	MG	1A	4042	1/1	0.97	0.07	46,46,46,46	0
56	MG	1A	3074	1/1	0.97	0.06	27,27,27,27	0
56	MG	1A	3767	1/1	0.97	0.07	41,41,41,41	0
56	MG	1A	3054	1/1	0.97	0.11	39,39,39,39	0
56	MG	1A	3118	1/1	0.97	0.09	38,38,38,38	0
56	MG	1A	3887	1/1	0.97	0.10	31,31,31,31	0
56	MG	1A	3010	1/1	0.97	0.14	39,39,39,39	0
56	MG	1A	3550	1/1	0.97	0.16	38,38,38,38	0
56	MG	2A	3489	1/1	0.97	0.06	41,41,41,41	0
56	MG	1A	3654	1/1	0.97	0.11	36,36,36,36	0
56	MG	1A	3775	1/1	0.97	0.11	27,27,27,27	0
56	MG	1A	3012	1/1	0.97	0.05	30,30,30,30	0
56	MG	1O	205	1/1	0.97	0.06	44,44,44,44	0
56	MG	1A	3656	1/1	0.97	0.06	46,46,46,46	0
56	MG	2A	3497	1/1	0.97	0.07	63,63,63,63	0
56	MG	1A	3271	1/1	0.97	0.10	50,50,50,50	0
56	MG	2A	3499	1/1	0.97	0.05	46,46,46,46	0
56	MG	1A	3043	1/1	0.97	0.06	39,39,39,39	0
56	MG	2a	3066	1/1	0.97	0.13	54,54,54,54	0
56	MG	1A	4057	1/1	0.97	0.06	40,40,40,40	0
56	MG	2A	3502	1/1	0.97	0.05	43,43,43,43	0
56	MG	1A	3470	1/1	0.97	0.08	47,47,47,47	0
56	MG	1A	3781	1/1	0.97	0.09	32,32,32,32	0
56	MG	1A	3080	1/1	0.97	0.14	42,42,42,42	0
56	MG	1R	202	1/1	0.97	0.12	38,38,38,38	0
56	MG	1A	3275	1/1	0.97	0.07	44,44,44,44	0
56	MG	1A	3401	1/1	0.97	0.14	35,35,35,35	0
56	MG	1A	3276	1/1	0.97	0.10	49,49,49,49	0
56	MG	1a	1725	1/1	0.97	0.27	55,55,55,55	0
56	MG	1A	3475	1/1	0.97	0.10	42,42,42,42	0
56	MG	1A	3561	1/1	0.97	0.29	48,48,48,48	0
56	MG	1a	1728	1/1	0.97	0.24	48,48,48,48	0
56	MG	1A	3670	1/1	0.97	0.07	32,32,32,32	0
56	MG	1A	3789	1/1	0.97	0.06	29,29,29,29	0
56	MG	2a	3082	1/1	0.97	0.17	54,54,54,54	0
56	MG	1A	3562	1/1	0.97	0.05	24,24,24,24	0
56	MG	2A	3296	1/1	0.97	0.11	45,45,45,45	0
56	MG	1A	3277	1/1	0.97	0.12	38,38,38,38	0
56	MG	2A	3523	1/1	0.97	0.08	27,27,27,27	0
56	MG	2A	3524	1/1	0.97	0.07	48,48,48,48	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	2A	3526	1/1	0.97	0.04	41,41,41,41	0
56	MG	2a	3089	1/1	0.97	0.19	65,65,65,65	0
56	MG	2A	3789	1/1	0.97	0.10	49,49,49,49	0
56	MG	2A	3298	1/1	0.97	0.08	41,41,41,41	0
56	MG	2a	3092	1/1	0.97	0.14	51,51,51,51	0
56	MG	1U	204	1/1	0.97	0.14	38,38,38,38	0
56	MG	2A	3078	1/1	0.97	0.09	25,25,25,25	0
56	MG	2A	3793	1/1	0.97	0.14	56,56,56,56	0
56	MG	1U	205	1/1	0.97	0.11	35,35,35,35	0
56	MG	1A	3229	1/1	0.97	0.19	33,33,33,33	0
56	MG	2a	3098	1/1	0.97	0.09	46,46,46,46	0
56	MG	1A	3149	1/1	0.97	0.11	33,33,33,33	0
56	MG	1A	3018	1/1	0.97	0.14	33,33,33,33	0
56	MG	1a	1740	1/1	0.97	0.10	35,35,35,35	0
56	MG	1A	3341	1/1	0.97	0.15	55,55,55,55	0
56	MG	2A	3800	1/1	0.97	0.05	67,67,67,67	0
56	MG	1A	3125	1/1	0.97	0.16	41,41,41,41	0
56	MG	1A	3126	1/1	0.97	0.10	41,41,41,41	0
56	MG	1X	101	1/1	0.97	0.09	40,40,40,40	0
56	MG	1X	102	1/1	0.97	0.09	46,46,46,46	0
56	MG	2A	3806	1/1	0.97	0.09	66,66,66,66	0
56	MG	1X	103	1/1	0.97	0.12	40,40,40,40	0
56	MG	2A	3542	1/1	0.97	0.04	39,39,39,39	0
56	MG	1a	1748	1/1	0.97	0.06	43,43,43,43	0
56	MG	2A	3092	1/1	0.97	0.10	43,43,43,43	0
56	MG	2a	3113	1/1	0.97	0.13	46,46,46,46	0
56	MG	1A	3191	1/1	0.97	0.18	42,42,42,42	0
56	MG	1A	3288	1/1	0.97	0.08	43,43,43,43	0
56	MG	2A	3547	1/1	0.97	0.04	37,37,37,37	0
56	MG	2A	3548	1/1	0.97	0.10	38,38,38,38	0
56	MG	1A	3045	1/1	0.97	0.08	36,36,36,36	0
56	MG	1A	3929	1/1	0.97	0.07	42,42,42,42	0
56	MG	1A	3083	1/1	0.97	0.17	44,44,44,44	0
56	MG	1A	3934	1/1	0.97	0.06	44,44,44,44	0
56	MG	1A	3574	1/1	0.97	0.23	43,43,43,43	0
56	MG	1A	3575	1/1	0.97	0.15	33,33,33,33	0
56	MG	2A	3824	1/1	0.97	0.08	78,78,78,78	0
56	MG	2A	3825	1/1	0.97	0.09	58,58,58,58	0
56	MG	2A	3826	1/1	0.97	0.15	54,54,54,54	0
56	MG	2A	3102	1/1	0.97	0.11	56,56,56,56	0
56	MG	1A	3033	1/1	0.97	0.18	36,36,36,36	0
56	MG	1A	3578	1/1	0.97	0.16	33,33,33,33	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	1A	3940	1/1	0.97	0.05	48,48,48,48	0
56	MG	2A	3831	1/1	0.97	0.05	45,45,45,45	0
56	MG	1A	3942	1/1	0.97	0.05	56,56,56,56	0
56	MG	2A	3107	1/1	0.97	0.06	46,46,46,46	0
56	MG	2A	3562	1/1	0.97	0.05	37,37,37,37	0
56	MG	1A	3807	1/1	0.97	0.07	38,38,38,38	0
56	MG	2A	3564	1/1	0.97	0.06	31,31,31,31	0
56	MG	2A	3838	1/1	0.97	0.06	47,47,47,47	0
56	MG	2A	3109	1/1	0.97	0.05	37,37,37,37	0
56	MG	2A	3840	1/1	0.97	0.12	43,43,43,43	0
56	MG	2A	3841	1/1	0.97	0.05	30,30,30,30	0
56	MG	1A	4094	1/1	0.97	0.07	37,37,37,37	0
56	MG	1A	3688	1/1	0.97	0.06	15,15,15,15	0
56	MG	1A	3349	1/1	0.97	0.12	44,44,44,44	0
56	MG	2a	3147	1/1	0.97	0.10	49,49,49,49	0
56	MG	2A	3845	1/1	0.97	0.08	42,42,42,42	0
56	MG	2A	3846	1/1	0.97	0.05	47,47,47,47	0
56	MG	1A	4099	1/1	0.97	0.09	41,41,41,41	0
56	MG	1A	3239	1/1	0.97	0.10	30,30,30,30	0
56	MG	2A	3852	1/1	0.97	0.05	49,49,49,49	0
56	MG	1A	3156	1/1	0.97	0.17	40,40,40,40	0
56	MG	2a	3154	1/1	0.97	0.11	68,68,68,68	0
56	MG	1A	3157	1/1	0.97	0.12	53,53,53,53	0
56	MG	1A	3243	1/1	0.97	0.08	53,53,53,53	0
56	MG	2a	3157	1/1	0.97	0.06	64,64,64,64	0
56	MG	1A	3024	1/1	0.97	0.09	43,43,43,43	0
56	MG	1A	3952	1/1	0.97	0.08	46,46,46,46	0
56	MG	2A	3859	1/1	0.97	0.06	53,53,53,53	0
56	MG	16	103	1/1	0.97	0.08	54,54,54,54	0
56	MG	2A	3862	1/1	0.97	0.08	71,71,71,71	0
56	MG	1A	4106	1/1	0.97	0.07	29,29,29,29	0
56	MG	1A	4107	1/1	0.97	0.10	42,42,42,42	0
56	MG	2A	3581	1/1	0.97	0.07	25,25,25,25	0
56	MG	1A	3355	1/1	0.97	0.19	47,47,47,47	0
56	MG	1A	3356	1/1	0.97	0.10	39,39,39,39	0
56	MG	1a	1780	1/1	0.97	0.07	74,74,74,74	0
56	MG	2A	3347	1/1	0.97	0.13	51,51,51,51	0
56	MG	2A	3589	1/1	0.97	0.05	45,45,45,45	0
56	MG	1A	4110	1/1	0.97	0.07	56,56,56,56	0
56	MG	2a	3175	1/1	0.97	0.06	46,46,46,46	0
56	MG	2A	3129	1/1	0.97	0.12	50,50,50,50	0
56	MG	1A	4111	1/1	0.97	0.09	34,34,34,34	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	2A	3595	1/1	0.97	0.08	49,49,49,49	0
56	MG	2A	3877	1/1	0.97	0.15	28,28,28,28	0
56	MG	1A	4112	1/1	0.97	0.12	42,42,42,42	0
56	MG	2a	3181	1/1	0.97	0.06	69,69,69,69	0
56	MG	2A	3879	1/1	0.97	0.07	37,37,37,37	0
56	MG	2A	3132	1/1	0.97	0.14	56,56,56,56	0
56	MG	1A	3159	1/1	0.97	0.10	39,39,39,39	0
56	MG	1A	3358	1/1	0.97	0.14	33,33,33,33	0
56	MG	2A	3135	1/1	0.97	0.07	43,43,43,43	0
56	MG	2A	3602	1/1	0.97	0.07	42,42,42,42	0
56	MG	1A	3359	1/1	0.97	0.10	38,38,38,38	0
56	MG	1A	3820	1/1	0.97	0.10	41,41,41,41	0
56	MG	1A	4122	1/1	0.97	0.05	41,41,41,41	0
56	MG	2A	3144	1/1	0.97	0.16	45,45,45,45	0
56	MG	2A	3145	1/1	0.97	0.09	36,36,36,36	0
56	MG	1a	1792	1/1	0.97	0.06	59,59,59,59	0
56	MG	1A	3360	1/1	0.97	0.23	31,31,31,31	0
56	MG	1A	3960	1/1	0.97	0.08	23,23,23,23	0
56	MG	1A	3199	1/1	0.97	0.12	45,45,45,45	0
56	MG	2A	3896	1/1	0.97	0.20	39,39,39,39	0
56	MG	2A	3897	1/1	0.97	0.13	57,57,57,57	0
56	MG	1a	1609	1/1	0.97	0.16	54,54,54,54	0
56	MG	1A	4126	1/1	0.97	0.14	45,45,45,45	0
56	MG	1a	1800	1/1	0.97	0.10	70,70,70,70	0
56	MG	1A	4127	1/1	0.97	0.10	34,34,34,34	0
56	MG	1A	3593	1/1	0.97	0.10	56,56,56,56	0
56	MG	1a	1614	1/1	0.97	0.12	45,45,45,45	0
56	MG	2A	3905	1/1	0.97	0.14	38,38,38,38	0
56	MG	1A	3201	1/1	0.97	0.08	45,45,45,45	0
56	MG	1A	4130	1/1	0.97	0.06	38,38,38,38	0
56	MG	2A	3621	1/1	0.97	0.09	51,51,51,51	0
56	MG	1A	3964	1/1	0.97	0.09	45,45,45,45	0
56	MG	1a	1814	1/1	0.97	0.10	55,55,55,55	0
56	MG	1A	3248	1/1	0.97	0.16	47,47,47,47	0
56	MG	1A	4133	1/1	0.97	0.16	45,45,45,45	0
56	MG	1a	1819	1/1	0.97	0.06	48,48,48,48	0
56	MG	2A	3165	1/1	0.97	0.20	49,49,49,49	0
56	MG	2A	3166	1/1	0.97	0.12	47,47,47,47	0
56	MG	2a	3217	1/1	0.97	0.07	61,61,61,61	0
56	MG	1a	1820	1/1	0.97	0.06	57,57,57,57	0
56	MG	1a	1821	1/1	0.97	0.05	62,62,62,62	0
56	MG	2A	3633	1/1	0.97	0.12	55,55,55,55	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	2A	3634	1/1	0.97	0.07	34,34,34,34	0
56	MG	1A	3036	1/1	0.97	0.13	31,31,31,31	0
56	MG	2A	3385	1/1	0.97	0.14	52,52,52,52	0
56	MG	1A	3365	1/1	0.97	0.10	53,53,53,53	0
56	MG	1A	3161	1/1	0.97	0.17	38,38,38,38	0
56	MG	2A	3639	1/1	0.97	0.11	34,34,34,34	0
56	MG	1A	3434	1/1	0.97	0.08	48,48,48,48	0
56	MG	1A	3309	1/1	0.97	0.15	33,33,33,33	0
56	MG	1A	4140	1/1	0.97	0.06	31,31,31,31	0
56	MG	1A	3972	1/1	0.97	0.06	60,60,60,60	0
56	MG	1A	3713	1/1	0.97	0.15	62,62,62,62	0
56	MG	1A	3974	1/1	0.97	0.06	45,45,45,45	0
56	MG	1A	3368	1/1	0.97	0.19	47,47,47,47	0
56	MG	1f	3001	1/1	0.97	0.12	34,34,34,34	0
56	MG	1A	3716	1/1	0.97	0.08	28,28,28,28	0
56	MG	1A	3603	1/1	0.97	0.15	39,39,39,39	0
56	MG	1A	3051	1/1	0.97	0.06	50,50,50,50	0
56	MG	1A	3111	1/1	0.97	0.07	40,40,40,40	0
56	MG	2E	301	1/1	0.97	0.13	50,50,50,50	0
56	MG	2A	3400	1/1	0.97	0.06	56,56,56,56	0
56	MG	1n	103	1/1	0.97	0.17	48,48,48,48	0
56	MG	1A	3606	1/1	0.97	0.11	36,36,36,36	0
56	MG	2a	3244	1/1	0.97	0.07	43,43,43,43	0
56	MG	1A	3371	1/1	0.97	0.08	45,45,45,45	0
56	MG	2A	3657	1/1	0.97	0.15	39,39,39,39	0
56	MG	2f	3001	1/1	0.97	0.09	41,41,41,41	0
56	MG	1A	3515	1/1	0.97	0.09	29,29,29,29	0
56	MG	2A	3405	1/1	0.97	0.14	33,33,33,33	0
56	MG	2A	3660	1/1	0.97	0.07	45,45,45,45	0
56	MG	1A	3372	1/1	0.97	0.14	58,58,58,58	0
56	MG	2l	201	1/1	0.97	0.05	66,66,66,66	0
56	MG	1w	102	1/1	0.97	0.15	61,61,61,61	0
56	MG	2F	304	1/1	0.97	0.17	53,53,53,53	0
56	MG	1A	3013	1/1	0.97	0.18	35,35,35,35	0
56	MG	1A	3611	1/1	0.97	0.07	25,25,25,25	0
56	MG	1A	3313	1/1	0.97	0.28	49,49,49,49	0
56	MG	1A	3071	1/1	0.97	0.11	38,38,38,38	0
56	MG	1B	3015	1/1	0.97	0.09	58,58,58,58	0
56	MG	1A	3991	1/1	0.97	0.12	48,48,48,48	0
56	MG	2Q	3003	1/1	0.97	0.06	51,51,51,51	0
56	MG	1A	3092	1/1	0.97	0.07	50,50,50,50	0
56	MG	1A	3211	1/1	0.97	0.08	49,49,49,49	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	1A	3849	1/1	0.97	0.10	44,44,44,44	0
56	MG	2A	3417	1/1	0.97	0.10	41,41,41,41	0
56	MG	2U	201	1/1	0.97	0.10	40,40,40,40	0
56	MG	1A	3523	1/1	0.97	0.08	44,44,44,44	0
56	MG	2A	3201	1/1	0.97	0.06	51,51,51,51	0
56	MG	1A	3620	1/1	0.97	0.12	25,25,25,25	0
56	MG	2A	3677	1/1	0.97	0.27	35,35,35,35	0
56	MG	1A	3524	1/1	0.97	0.06	47,47,47,47	0
56	MG	1A	3379	1/1	0.97	0.09	37,37,37,37	0
56	MG	2A	3423	1/1	0.97	0.07	58,58,58,58	0
56	MG	1a	1654	1/1	0.97	0.17	49,49,49,49	0
56	MG	1A	3020	1/1	0.97	0.05	25,25,25,25	0
56	MG	1B	3027	1/1	0.97	0.04	35,35,35,35	0
56	MG	1a	1658	1/1	0.97	0.13	57,57,57,57	0
56	MG	1A	3449	1/1	0.97	0.07	41,41,41,41	0
56	MG	2A	3211	1/1	0.97	0.07	43,43,43,43	0
56	MG	2y	3006	1/1	0.97	0.05	86,86,86,86	0
56	MG	1A	3381	1/1	0.97	0.07	43,43,43,43	0
56	MG	1A	3258	1/1	0.97	0.08	33,33,33,33	0
57	K	2A	3496	1/1	0.97	0.10	73,73,73,73	0
58	ZN	2Y	501	1/1	0.97	0.05	81,81,81,81	0
56	MG	1A	3138	1/1	0.97	0.25	36,36,36,36	0
56	MG	2A	3215	1/1	0.97	0.10	37,37,37,37	0
56	MG	2A	3184	1/1	0.98	0.13	48,48,48,48	0
56	MG	1A	3314	1/1	0.98	0.06	33,33,33,33	0
56	MG	1A	4098	1/1	0.98	0.08	45,45,45,45	0
56	MG	1A	3237	1/1	0.98	0.20	38,38,38,38	0
56	MG	1A	3109	1/1	0.98	0.14	35,35,35,35	0
56	MG	1A	3176	1/1	0.98	0.05	37,37,37,37	0
56	MG	2A	3882	1/1	0.98	0.07	44,44,44,44	0
56	MG	2A	3037	1/1	0.98	0.06	35,35,35,35	0
56	MG	1A	3902	1/1	0.98	0.08	33,33,33,33	0
56	MG	1A	3903	1/1	0.98	0.06	40,40,40,40	0
56	MG	1A	3178	1/1	0.98	0.10	21,21,21,21	0
56	MG	2A	3512	1/1	0.98	0.05	53,53,53,53	0
56	MG	2A	3513	1/1	0.98	0.08	34,34,34,34	0
56	MG	1A	3274	1/1	0.98	0.11	36,36,36,36	0
56	MG	1A	3241	1/1	0.98	0.07	44,44,44,44	0
56	MG	1a	1772	1/1	0.98	0.05	39,39,39,39	0
56	MG	1N	203	1/1	0.98	0.06	48,48,48,48	0
56	MG	2A	3519	1/1	0.98	0.06	33,33,33,33	0
56	MG	1A	3617	1/1	0.98	0.06	33,33,33,33	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	2A	3357	1/1	0.98	0.05	39,39,39,39	0
56	MG	1A	3828	1/1	0.98	0.07	34,34,34,34	0
56	MG	2A	3701	1/1	0.98	0.09	64,64,64,64	0
56	MG	1A	3072	1/1	0.98	0.07	19,19,19,19	0
56	MG	1A	3910	1/1	0.98	0.04	76,76,76,76	0
56	MG	2A	3901	1/1	0.98	0.12	59,59,59,59	0
56	MG	2A	3525	1/1	0.98	0.08	34,34,34,34	0
56	MG	1A	3619	1/1	0.98	0.13	31,31,31,31	0
56	MG	1A	3046	1/1	0.98	0.12	32,32,32,32	0
56	MG	2A	3204	1/1	0.98	0.14	48,48,48,48	0
56	MG	1A	3008	1/1	0.98	0.10	26,26,26,26	0
56	MG	1A	4114	1/1	0.98	0.04	34,34,34,34	0
56	MG	1A	4115	1/1	0.98	0.16	51,51,51,51	0
56	MG	1A	3915	1/1	0.98	0.05	39,39,39,39	0
56	MG	2A	3368	1/1	0.98	0.06	47,47,47,47	0
56	MG	1P	202	1/1	0.98	0.06	31,31,31,31	0
56	MG	2A	3714	1/1	0.98	0.08	39,39,39,39	0
56	MG	1a	1785	1/1	0.98	0.04	55,55,55,55	0
56	MG	1P	203	1/1	0.98	0.14	30,30,30,30	0
56	MG	1a	1787	1/1	0.98	0.05	72,72,72,72	0
56	MG	1A	3279	1/1	0.98	0.05	38,38,38,38	0
56	MG	1Q	201	1/1	0.98	0.08	36,36,36,36	0
56	MG	1A	4118	1/1	0.98	0.10	36,36,36,36	0
56	MG	1a	1791	1/1	0.98	0.05	54,54,54,54	0
56	MG	2A	3723	1/1	0.98	0.06	50,50,50,50	0
56	MG	1A	4119	1/1	0.98	0.07	34,34,34,34	0
56	MG	1A	3014	1/1	0.98	0.05	31,31,31,31	0
56	MG	1A	4013	1/1	0.98	0.05	33,33,33,33	0
56	MG	2a	3133	1/1	0.98	0.07	54,54,54,54	0
56	MG	1A	3511	1/1	0.98	0.06	45,45,45,45	0
56	MG	2A	3221	1/1	0.98	0.09	48,48,48,48	0
56	MG	2A	3729	1/1	0.98	0.06	41,41,41,41	0
56	MG	1A	3015	1/1	0.98	0.07	40,40,40,40	0
56	MG	2A	3069	1/1	0.98	0.07	40,40,40,40	0
56	MG	1A	3837	1/1	0.98	0.10	21,21,21,21	0
56	MG	2a	3140	1/1	0.98	0.04	57,57,57,57	0
56	MG	2A	3551	1/1	0.98	0.07	39,39,39,39	0
56	MG	1a	1799	1/1	0.98	0.05	49,49,49,49	0
56	MG	2a	3143	1/1	0.98	0.05	73,73,73,73	0
56	MG	1A	3282	1/1	0.98	0.06	30,30,30,30	0
56	MG	1A	3214	1/1	0.98	0.10	42,42,42,42	0
56	MG	1A	3077	1/1	0.98	0.14	35,35,35,35	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	2A	3075	1/1	0.98	0.08	37,37,37,37	0
56	MG	1a	1805	1/1	0.98	0.05	47,47,47,47	0
56	MG	1A	3516	1/1	0.98	0.15	25,25,25,25	0
56	MG	1a	1807	1/1	0.98	0.04	67,67,67,67	0
56	MG	1a	1808	1/1	0.98	0.05	53,53,53,53	0
56	MG	1a	1809	1/1	0.98	0.05	56,56,56,56	0
56	MG	1A	3927	1/1	0.98	0.04	47,47,47,47	0
56	MG	1A	3050	1/1	0.98	0.14	32,32,32,32	0
56	MG	1A	3930	1/1	0.98	0.04	30,30,30,30	0
56	MG	2A	3084	1/1	0.98	0.05	45,45,45,45	0
56	MG	2A	3566	1/1	0.98	0.09	33,33,33,33	0
56	MG	2A	3567	1/1	0.98	0.04	50,50,50,50	0
56	MG	1A	3286	1/1	0.98	0.29	49,49,49,49	0
56	MG	2F	303	1/1	0.98	0.04	48,48,48,48	0
56	MG	2a	3162	1/1	0.98	0.03	62,62,62,62	0
56	MG	1A	3933	1/1	0.98	0.05	47,47,47,47	0
56	MG	1a	1816	1/1	0.98	0.04	48,48,48,48	0
56	MG	1U	206	1/1	0.98	0.15	32,32,32,32	0
56	MG	1A	3287	1/1	0.98	0.15	30,30,30,30	0
56	MG	1A	4030	1/1	0.98	0.05	44,44,44,44	0
56	MG	1A	3771	1/1	0.98	0.08	49,49,49,49	0
56	MG	1a	1822	1/1	0.98	0.10	54,54,54,54	0
56	MG	2A	3093	1/1	0.98	0.10	54,54,54,54	0
56	MG	1A	3186	1/1	0.98	0.08	39,39,39,39	0
56	MG	2A	3250	1/1	0.98	0.07	41,41,41,41	0
56	MG	2A	3251	1/1	0.98	0.08	42,42,42,42	0
56	MG	1A	4139	1/1	0.98	0.05	35,35,35,35	0
56	MG	1A	3773	1/1	0.98	0.05	41,41,41,41	0
56	MG	1W	205	1/1	0.98	0.05	39,39,39,39	0
56	MG	1A	3289	1/1	0.98	0.07	52,52,52,52	0
56	MG	2A	3584	1/1	0.98	0.12	37,37,37,37	0
56	MG	2A	3585	1/1	0.98	0.05	43,43,43,43	0
56	MG	1A	4035	1/1	0.98	0.04	46,46,46,46	0
56	MG	2A	3587	1/1	0.98	0.05	37,37,37,37	0
56	MG	1A	3290	1/1	0.98	0.08	46,46,46,46	0
56	MG	2X	101	1/1	0.98	0.03	37,37,37,37	0
56	MG	1A	3941	1/1	0.98	0.04	46,46,46,46	0
56	MG	1A	4038	1/1	0.98	0.04	45,45,45,45	0
56	MG	1A	3701	1/1	0.98	0.08	48,48,48,48	0
56	MG	1A	3098	1/1	0.98	0.10	25,25,25,25	0
56	MG	2A	3594	1/1	0.98	0.04	38,38,38,38	0
56	MG	1A	3011	1/1	0.98	0.12	46,46,46,46	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	1A	3063	1/1	0.98	0.08	38,38,38,38	0
56	MG	1A	3035	1/1	0.98	0.09	20,20,20,20	0
56	MG	1A	3707	1/1	0.98	0.10	29,29,29,29	0
56	MG	1A	3295	1/1	0.98	0.06	48,48,48,48	0
56	MG	2A	3600	1/1	0.98	0.07	40,40,40,40	0
56	MG	1A	3296	1/1	0.98	0.08	58,58,58,58	0
56	MG	1A	3644	1/1	0.98	0.04	33,33,33,33	0
56	MG	2A	3785	1/1	0.98	0.17	45,45,45,45	0
56	MG	1A	3141	1/1	0.98	0.07	35,35,35,35	0
56	MG	2A	3787	1/1	0.98	0.05	64,64,64,64	0
56	MG	1A	4050	1/1	0.98	0.13	32,32,32,32	0
56	MG	1A	3223	1/1	0.98	0.08	32,32,32,32	0
56	MG	1A	3481	1/1	0.98	0.10	39,39,39,39	0
56	MG	1A	3714	1/1	0.98	0.07	46,46,46,46	0
56	MG	1B	3018	1/1	0.98	0.05	37,37,37,37	0
56	MG	1A	3009	1/1	0.98	0.04	24,24,24,24	0
56	MG	1A	3122	1/1	0.98	0.07	44,44,44,44	0
56	MG	1w	108	1/1	0.98	0.05	63,63,63,63	0
56	MG	2A	3121	1/1	0.98	0.13	42,42,42,42	0
56	MG	1A	3717	1/1	0.98	0.08	22,22,22,22	0
56	MG	1A	3037	1/1	0.98	0.13	40,40,40,40	0
56	MG	2a	3212	1/1	0.98	0.10	51,51,51,51	0
56	MG	1A	3535	1/1	0.98	0.20	45,45,45,45	0
56	MG	2A	3125	1/1	0.98	0.14	44,44,44,44	0
56	MG	1A	3653	1/1	0.98	0.08	27,27,27,27	0
56	MG	2A	3618	1/1	0.98	0.06	39,39,39,39	0
56	MG	1A	3536	1/1	0.98	0.16	37,37,37,37	0
56	MG	2A	3804	1/1	0.98	0.12	31,31,31,31	0
56	MG	1B	3026	1/1	0.98	0.04	42,42,42,42	0
56	MG	1A	3303	1/1	0.98	0.09	33,33,33,33	0
56	MG	2A	3807	1/1	0.98	0.07	61,61,61,61	0
56	MG	1a	1716	1/1	0.98	0.06	53,53,53,53	0
56	MG	1A	3439	1/1	0.98	0.11	40,40,40,40	0
56	MG	2A	3624	1/1	0.98	0.04	32,32,32,32	0
56	MG	1A	3145	1/1	0.98	0.15	32,32,32,32	0
56	MG	1A	3394	1/1	0.98	0.07	35,35,35,35	0
56	MG	1A	3967	1/1	0.98	0.06	65,65,65,65	0
56	MG	1A	3168	1/1	0.98	0.10	42,42,42,42	0
56	MG	2A	3136	1/1	0.98	0.12	45,45,45,45	0
56	MG	2A	3137	1/1	0.98	0.05	42,42,42,42	0
56	MG	1A	3801	1/1	0.98	0.05	28,28,28,28	0
56	MG	2A	3139	1/1	0.98	0.15	32,32,32,32	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	2A	3140	1/1	0.98	0.14	50,50,50,50	0
56	MG	1A	3068	1/1	0.98	0.10	38,38,38,38	0
56	MG	2A	3142	1/1	0.98	0.17	41,41,41,41	0
56	MG	1a	1724	1/1	0.98	0.06	36,36,36,36	0
56	MG	1A	3662	1/1	0.98	0.07	30,30,30,30	0
56	MG	1A	3663	1/1	0.98	0.05	28,28,28,28	0
56	MG	1x	116	1/1	0.98	0.05	59,59,59,59	0
56	MG	1A	3731	1/1	0.98	0.05	17,17,17,17	0
56	MG	2a	3241	1/1	0.98	0.05	41,41,41,41	0
56	MG	1A	3069	1/1	0.98	0.12	20,20,20,20	0
56	MG	1D	303	1/1	0.98	0.15	37,37,37,37	0
56	MG	1A	3106	1/1	0.98	0.07	25,25,25,25	0
56	MG	1A	3172	1/1	0.98	0.06	43,43,43,43	0
56	MG	1a	1732	1/1	0.98	0.08	48,48,48,48	0
56	MG	1A	3055	1/1	0.98	0.11	43,43,43,43	0
56	MG	1a	1611	1/1	0.98	0.06	22,22,22,22	0
56	MG	1D	308	1/1	0.98	0.06	48,48,48,48	0
56	MG	2A	3650	1/1	0.98	0.12	41,41,41,41	0
56	MG	1A	4077	1/1	0.98	0.10	11,11,11,11	0
56	MG	2A	3157	1/1	0.98	0.09	58,58,58,58	0
56	MG	1A	3736	1/1	0.98	0.09	46,46,46,46	0
56	MG	1A	3668	1/1	0.98	0.10	28,28,28,28	0
56	MG	1A	4080	1/1	0.98	0.11	23,23,23,23	0
56	MG	1a	1741	1/1	0.98	0.06	34,34,34,34	0
56	MG	1A	4082	1/1	0.98	0.11	38,38,38,38	0
56	MG	2A	3163	1/1	0.98	0.10	56,56,56,56	0
56	MG	2A	3847	1/1	0.98	0.09	42,42,42,42	0
56	MG	1A	3738	1/1	0.98	0.04	43,43,43,43	0
56	MG	2A	3849	1/1	0.98	0.10	44,44,44,44	0
56	MG	1E	303	1/1	0.98	0.08	26,26,26,26	0
56	MG	1A	3740	1/1	0.98	0.09	28,28,28,28	0
56	MG	2A	3853	1/1	0.98	0.05	50,50,50,50	0
56	MG	1A	3547	1/1	0.98	0.06	53,53,53,53	0
56	MG	1A	3056	1/1	0.98	0.10	28,28,28,28	0
56	MG	1A	3984	1/1	0.98	0.09	34,34,34,34	0
56	MG	1a	1749	1/1	0.98	0.09	45,45,45,45	0
56	MG	1A	3891	1/1	0.98	0.05	41,41,41,41	0
56	MG	1A	3986	1/1	0.98	0.08	22,22,22,22	0
56	MG	2A	3668	1/1	0.98	0.07	45,45,45,45	0
56	MG	2A	3861	1/1	0.98	0.06	36,36,36,36	0
56	MG	2A	3021	1/1	0.98	0.07	28,28,28,28	0
56	MG	2A	3863	1/1	0.98	0.06	58,58,58,58	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	1E	310	1/1	0.98	0.03	42,42,42,42	0
56	MG	2A	3491	1/1	0.98	0.18	55,55,55,55	0
56	MG	1A	3549	1/1	0.98	0.06	38,38,38,38	0
56	MG	1A	3988	1/1	0.98	0.04	68,68,68,68	0
56	MG	1A	3893	1/1	0.98	0.12	17,17,17,17	0
56	MG	1A	3204	1/1	0.98	0.12	26,26,26,26	0
56	MG	2A	3870	1/1	0.98	0.06	33,33,33,33	0
56	MG	2A	3027	1/1	0.98	0.17	48,48,48,48	0
56	MG	1F	304	1/1	0.98	0.19	40,40,40,40	0
58	ZN	14	501	1/1	0.98	0.05	99,99,99,99	0
56	MG	1A	3673	1/1	0.98	0.09	29,29,29,29	0
56	MG	1a	1634	1/1	0.98	0.05	27,27,27,27	0
58	ZN	25	102	1/1	0.98	0.15	68,68,68,68	0
56	MG	1A	3205	1/1	0.98	0.09	42,42,42,42	0
59	SF4	1d	501	8/8	0.98	0.05	59,71,76,86	0
59	SF4	2d	501	8/8	0.98	0.05	61,71,85,99	0
56	MG	1a	1653	1/1	0.99	0.04	54,54,54,54	0
56	MG	1A	3414	1/1	0.99	0.04	39,39,39,39	0
56	MG	1l	201	1/1	0.99	0.12	43,43,43,43	0
56	MG	1a	1655	1/1	0.99	0.03	43,43,43,43	0
56	MG	1A	3914	1/1	0.99	0.08	53,53,53,53	0
56	MG	1A	4023	1/1	0.99	0.04	47,47,47,47	0
56	MG	2A	3233	1/1	0.99	0.11	32,32,32,32	0
56	MG	1A	3612	1/1	0.99	0.06	41,41,41,41	0
56	MG	1A	3632	1/1	0.99	0.03	34,34,34,34	0
56	MG	1A	3375	1/1	0.99	0.09	43,43,43,43	0
56	MG	1A	3726	1/1	0.99	0.04	48,48,48,48	0
56	MG	2A	3732	1/1	0.99	0.07	42,42,42,42	0
56	MG	2A	3514	1/1	0.99	0.04	32,32,32,32	0
56	MG	1A	3702	1/1	0.99	0.07	34,34,34,34	0
56	MG	1A	3577	1/1	0.99	0.09	27,27,27,27	0
56	MG	1A	3635	1/1	0.99	0.05	32,32,32,32	0
56	MG	1A	3065	1/1	0.99	0.13	33,33,33,33	0
56	MG	1U	207	1/1	0.99	0.13	31,31,31,31	0
56	MG	1A	3084	1/1	0.99	0.04	34,34,34,34	0
56	MG	1A	3924	1/1	0.99	0.03	50,50,50,50	0
56	MG	2A	3593	1/1	0.99	0.05	30,30,30,30	0
56	MG	1A	3925	1/1	0.99	0.04	14,14,14,14	0
56	MG	2A	3895	1/1	0.99	0.09	46,46,46,46	0
56	MG	20	3002	1/1	0.99	0.04	63,63,63,63	0
56	MG	2A	3817	1/1	0.99	0.04	56,56,56,56	0
56	MG	1A	4075	1/1	0.99	0.03	42,42,42,42	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	1A	3085	1/1	0.99	0.11	30,30,30,30	0
56	MG	2A	3820	1/1	0.99	0.06	49,49,49,49	0
56	MG	1W	202	1/1	0.99	0.14	50,50,50,50	0
56	MG	1W	203	1/1	0.99	0.06	30,30,30,30	0
56	MG	1A	3896	1/1	0.99	0.12	47,47,47,47	0
56	MG	2A	3319	1/1	0.99	0.04	49,49,49,49	0
56	MG	2A	3049	1/1	0.99	0.07	23,23,23,23	0
56	MG	2a	3160	1/1	0.99	0.04	49,49,49,49	0
56	MG	1A	4121	1/1	0.99	0.09	34,34,34,34	0
56	MG	1a	1619	1/1	0.99	0.06	62,62,62,62	0
56	MG	1A	3928	1/1	0.99	0.10	31,31,31,31	0
56	MG	1A	3661	1/1	0.99	0.07	32,32,32,32	0
56	MG	1A	4039	1/1	0.99	0.02	21,21,21,21	0
56	MG	1a	1796	1/1	0.99	0.03	59,59,59,59	0
56	MG	2a	3167	1/1	0.99	0.04	69,69,69,69	0
56	MG	1A	4081	1/1	0.99	0.09	44,44,44,44	0
56	MG	1A	3032	1/1	0.99	0.18	31,31,31,31	0
56	MG	2A	3538	1/1	0.99	0.04	35,35,35,35	0
56	MG	2A	3835	1/1	0.99	0.04	43,43,43,43	0
56	MG	1a	1739	1/1	0.99	0.03	36,36,36,36	0
56	MG	1X	106	1/1	0.99	0.06	29,29,29,29	0
56	MG	1a	1801	1/1	0.99	0.04	53,53,53,53	0
56	MG	1a	1802	1/1	0.99	0.06	52,52,52,52	0
56	MG	1A	3041	1/1	0.99	0.21	38,38,38,38	0
56	MG	1A	3932	1/1	0.99	0.06	45,45,45,45	0
56	MG	1A	3177	1/1	0.99	0.15	38,38,38,38	0
56	MG	1A	4004	1/1	0.99	0.04	29,29,29,29	0
56	MG	1A	3602	1/1	0.99	0.08	25,25,25,25	0
56	MG	1A	3935	1/1	0.99	0.05	50,50,50,50	0
56	MG	1A	3551	1/1	0.99	0.16	37,37,37,37	0
56	MG	1a	1810	1/1	0.99	0.03	51,51,51,51	0
56	MG	1B	3036	1/1	0.99	0.03	36,36,36,36	0
56	MG	1A	3739	1/1	0.99	0.04	39,39,39,39	0
56	MG	1A	3297	1/1	0.99	0.14	32,32,32,32	0
56	MG	2A	3851	1/1	0.99	0.04	46,46,46,46	0
56	MG	1A	3027	1/1	0.99	0.06	33,33,33,33	0
56	MG	1A	3508	1/1	0.99	0.12	36,36,36,36	0
56	MG	1A	3097	1/1	0.99	0.04	35,35,35,35	0
56	MG	1a	1817	1/1	0.99	0.04	79,79,79,79	0
56	MG	1I	102	1/1	0.99	0.04	36,36,36,36	0
56	MG	1P	201	1/1	0.99	0.04	26,26,26,26	0
56	MG	2A	3632	1/1	0.99	0.04	41,41,41,41	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	1A	3200	1/1	0.99	0.16	23,23,23,23	0
56	MG	1D	306	1/1	0.99	0.11	32,32,32,32	0
56	MG	1A	4096	1/1	0.99	0.05	30,30,30,30	0
56	MG	1A	4014	1/1	0.99	0.03	34,34,34,34	0
56	MG	1Q	202	1/1	0.99	0.04	46,46,46,46	0
56	MG	1a	1825	1/1	0.99	0.14	37,37,37,37	0
56	MG	1A	3030	1/1	0.99	0.05	34,34,34,34	0
56	MG	1A	3650	1/1	0.99	0.07	35,35,35,35	0
58	ZN	19	103	1/1	0.99	0.04	44,44,44,44	0
58	ZN	1n	101	1/1	0.99	0.04	71,71,71,71	0
56	MG	1a	1763	1/1	0.99	0.09	55,55,55,55	0
56	MG	1A	4017	1/1	0.99	0.05	36,36,36,36	0
56	MG	1A	3747	1/1	0.99	0.09	53,53,53,53	0
58	ZN	26	501	1/1	0.99	0.03	60,60,60,60	0
58	ZN	29	101	1/1	0.99	0.04	73,73,73,73	0
56	MG	1R	201	1/1	0.99	0.19	30,30,30,30	0
56	MG	1A	3946	1/1	0.99	0.04	49,49,49,49	0
56	MG	1A	3003	1/1	0.99	0.05	27,27,27,27	0
56	MG	1A	3873	1/1	1.00	0.07	35,35,35,35	0
58	ZN	1Y	501	1/1	1.00	0.03	60,60,60,60	0
56	MG	2A	3715	1/1	1.00	0.04	46,46,46,46	0
58	ZN	15	101	1/1	1.00	0.09	37,37,37,37	0
58	ZN	16	102	1/1	1.00	0.04	44,44,44,44	0

6.5 Other polymers [i](#)

There are no such residues in this entry.