wwPDB X-ray Structure Validation Summary Report (i)

Jan 2, 2024 – 07:31 pm GMT

PDB ID	:	5F8K
Title	:	Crystal structure of the Bac7(1-16) antimicrobial peptide bound to the Thermus thermophilus 70S ribosome
Authors	:	Seefeldt, A.C.; Graf, M.; Perebaskine, N.; Nguyen, F.; Arenz, S.; Mardirossian, M.; Scocchi, M.; Wilson, D.N.; Innis, C.A.
Deposited on	:	2015-12-09
Resolution	:	2.80 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 (i) 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 (i)) were used in the production of this report:

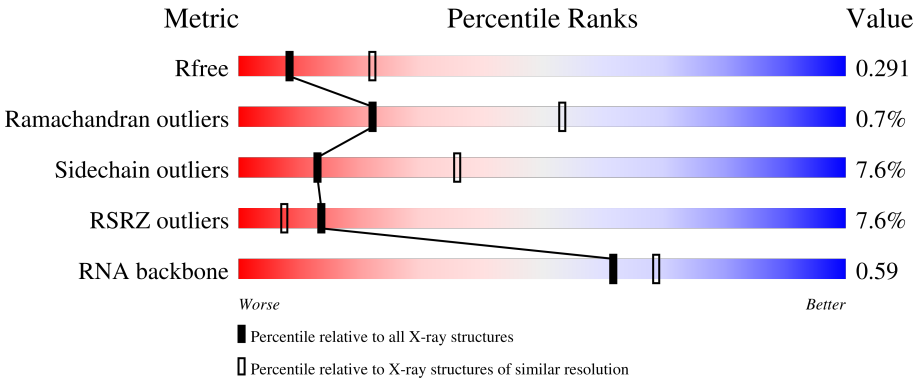
MolProbity	:	4.02b-467
Mogul	:	1.8.4, CSD as541be (2020)
Xtriage (Phenix)	:	1.13
EDS	:	2.36
Percentile statistics	:	20191225.v01 (using entries in the PDB archive December 25th 2019)
Refmac	:	5.8.0158
CCP4	:	7.0.044 (Gargrove)
Ideal geometry (proteins)	:	Engh & Huber (2001)
Ideal geometry (DNA, RNA)	:	Parkinson et al. (1996)
Validation Pipeline (wwPDB-VP)	:	2.36

1 Overall quality at a glance (i)

The following experimental techniques were used to determine the structure:
X-RAY DIFFRACTION

The reported resolution of this entry is 2.80 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}	130704	3140 (2.80-2.80)
Ramachandran outliers	138981	3498 (2.80-2.80)
Sidechain outliers	138945	3500 (2.80-2.80)
RSRZ outliers	127900	3078 (2.80-2.80)
RNA backbone	3102	1227 (3.10-2.50)

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 <=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	9% 81% 16% ••
1	2A	2915	10% 82% 15% ••
2	1B	120	2% 92% 8%
2	2B	120	9% 94% 5% •
3	1D	275	92% 8%

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Mol	Chain	Length	Quality of chain
3	2D	275	93% 7%
4	1E	204	91% 9%
4	2E	204	92% 8%
5	1F	203	95% 5%
5	2F	203	96%
6	1G	181	94% 6%
6	2G	181	17% 93% 7%
7	1H	174	94% 6%
7	2H	174	20% 93% 7%
8	1I	147	6% 91% 9%
8	2I	147	10% 89% 10%
9	1N	140	94% 6%
9	2N	140	90% 10%
10	1O	122	94% 6%
10	2O	122	97%
11	1P	149	95% 5%
11	2P	149	5% 95% 5%
12	1Q	141	93% 7%
12	2Q	141	95% 5%
13	1R	118	92% 8%
13	2R	118	93% 7%
14	1S	110	96%
14	2S	110	11% 95% 5%
15	1T	131	96%
15	2T	131	3% 93% 7%

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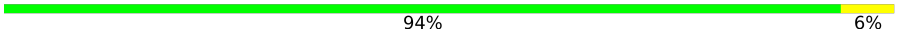
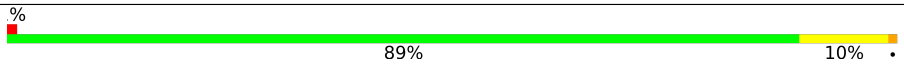
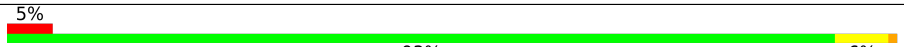
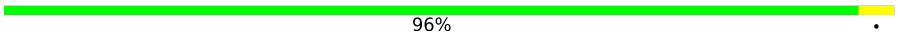
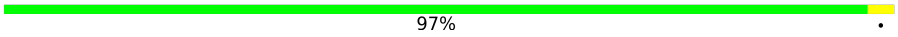
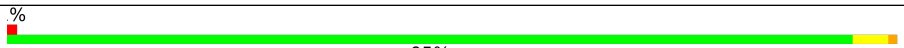
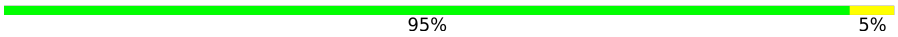
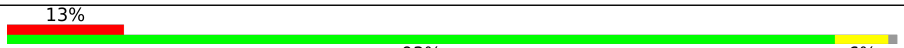
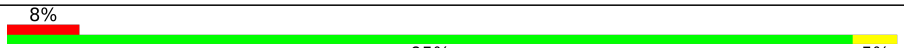
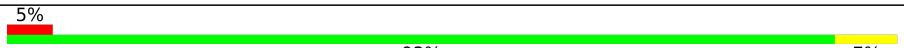
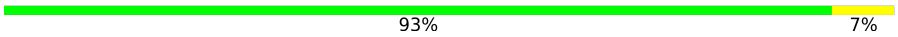
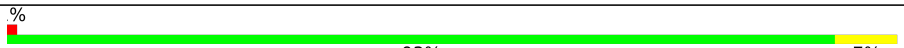
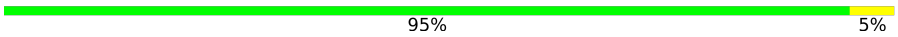
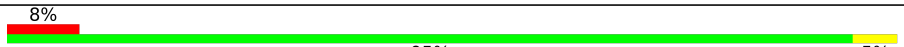
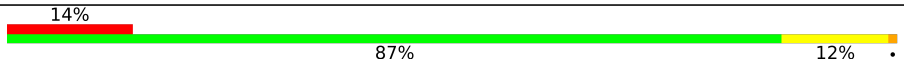
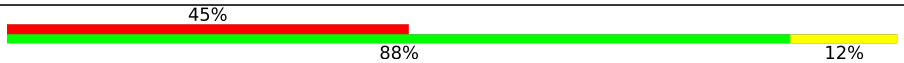
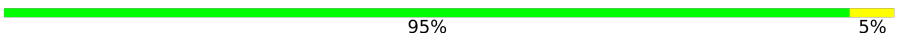
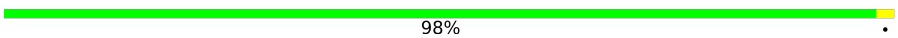
Mol	Chain	Length	Quality of chain
16	1U	116	
16	2U	116	
17	1V	101	
17	2V	101	
18	1W	112	
18	2W	112	
19	1X	95	
19	2X	95	
20	1Y	107	
20	2Y	107	
21	1Z	203	
21	2Z	203	
22	10	77	
22	20	77	
23	11	97	
23	21	97	
24	12	70	
24	22	70	
25	13	59	
25	23	59	
26	14	69	
26	24	69	
27	15	59	
27	25	59	
28	16	53	

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Mol	Chain	Length	Quality of chain
28	26	53	6% 91% 9%
29	17	48	96%
29	27	48	2% 98%
30	18	64	92% 8%
30	28	64	91% 9%
31	19	37	97%
31	29	37	100%
32	1a	1520	8% 83% 14%
32	2a	1520	10% 82% 15%
33	1b	231	15% 87% 12%
33	2b	231	28% 89% 11%
34	1c	206	6% 95% 5%
34	2c	206	17% 95% 5%
35	1d	208	4% 95% 5%
35	2d	208	10% 94% 6%
36	1e	148	4% 93% 7%
36	2e	148	4% 94% 6%
37	1f	100	2% 97%
37	2f	100	4% 90% 10%
38	1g	155	9% 92% 8%
38	2g	155	13% 95% 5%
39	1h	137	% 97%
39	2h	137	4% 96%
40	1i	127	13% 91% 9%
40	2i	127	26% 87% 12%

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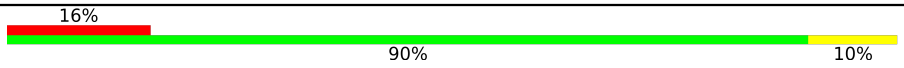
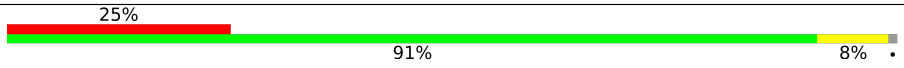
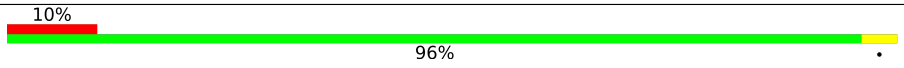
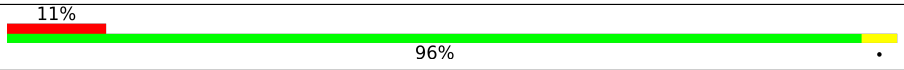
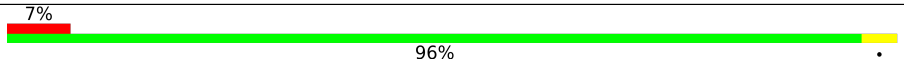
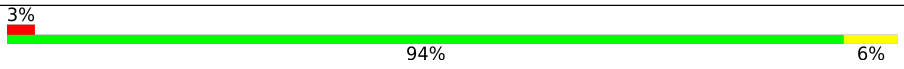
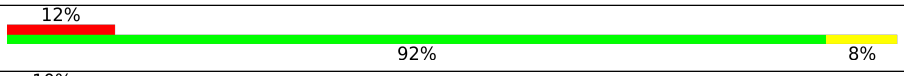
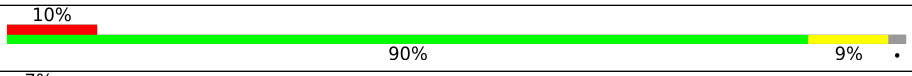
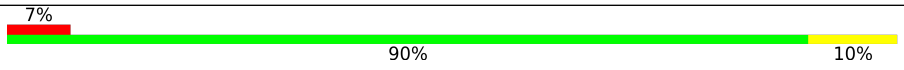
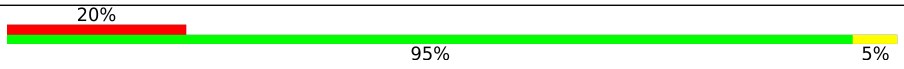
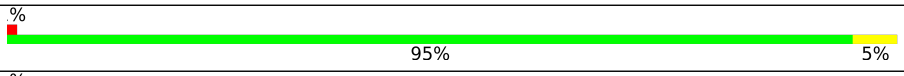
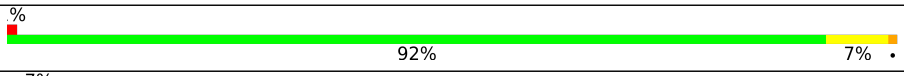
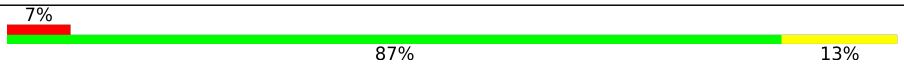
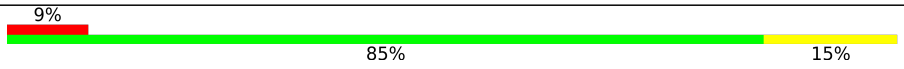
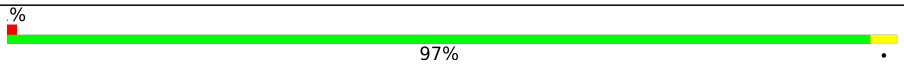
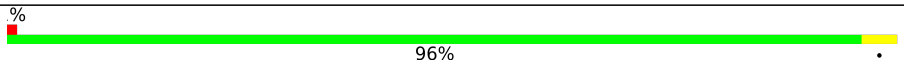
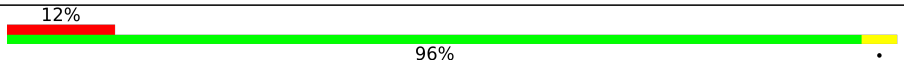
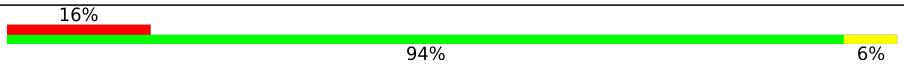
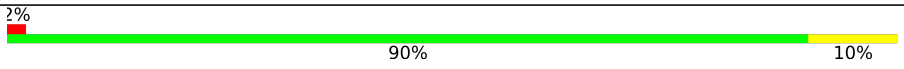
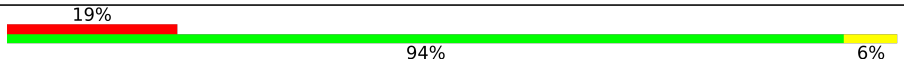
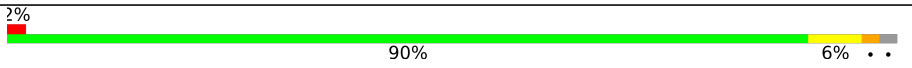
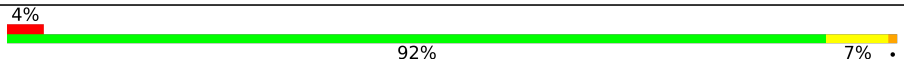
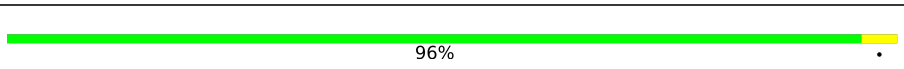
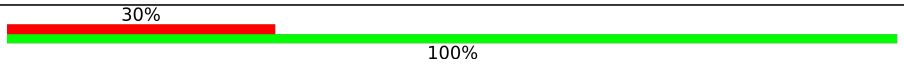
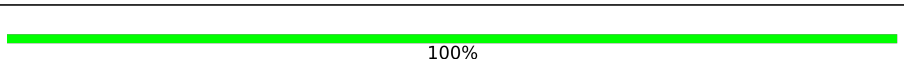
Mol	Chain	Length	Quality of chain
41	1j	97	
41	2j	97	
42	1k	114	
42	2k	114	
43	1l	122	
43	2l	122	
44	1m	116	
44	2m	116	
45	1n	60	
45	2n	60	
46	1o	88	
46	2o	88	
47	1p	82	
47	2p	82	
48	1q	99	
48	2q	99	
49	1r	68	
49	2r	68	
50	1s	83	
50	2s	83	
51	1t	98	
51	2t	98	
52	1u	23	
52	2u	23	
53	1v	3	

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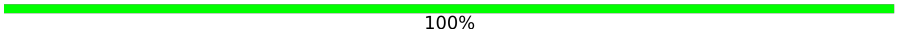
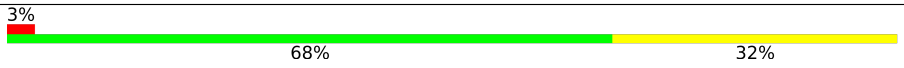
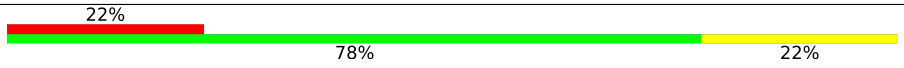
Mol	Chain	Length	Quality of chain
53	2v	3	
54	1x	76	
54	2x	76	
55	1y	16	
55	2y	16	

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

Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
56	MG	1A	8888	-	-	-	X
56	MG	1a	1660	-	-	-	X
56	MG	2A	3061	-	-	-	X
56	MG	2A	3074	-	-	-	X
56	MG	2A	3079	-	-	-	X
56	MG	2A	3092	-	-	-	X
56	MG	2A	3093	-	-	-	X
56	MG	2A	3098	-	-	-	X
56	MG	2A	3125	-	-	-	X
56	MG	2A	3243	-	-	-	X
56	MG	2A	3603	-	-	-	X
56	MG	2A	3686	-	-	-	X
56	MG	2A	3690	-	-	-	X
56	MG	2A	3699	-	-	-	X
56	MG	2A	3742	-	-	-	X
56	MG	2A	3744	-	-	-	X
56	MG	2A	3763	-	-	-	X
56	MG	2A	3775	-	-	-	X
56	MG	2A	3803	-	-	-	X
56	MG	2A	3856	-	-	-	X
56	MG	2A	3866	-	-	-	X
56	MG	2A	3899	-	-	-	X
56	MG	2A	3967	-	-	-	X
56	MG	2B	3014	-	-	-	X
56	MG	2B	3017	-	-	-	X
56	MG	2H	8001	-	-	-	X
56	MG	2H	8002	-	-	-	X
56	MG	2a	1610	-	-	-	X

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
56	MG	2a	1635	-	-	-	X
56	MG	2a	1646	-	-	-	X
56	MG	2a	1660	-	-	-	X
56	MG	2a	1667	-	-	-	X
56	MG	2a	1680	-	-	-	X
56	MG	2a	1718	-	-	-	X
56	MG	2a	1719	-	-	-	X
56	MG	2a	1725	-	-	-	X
56	MG	2a	1758	-	-	-	X
56	MG	2a	1780	-	-	-	X
56	MG	2a	1805	-	-	-	X
56	MG	2a	1807	-	-	-	X
56	MG	2h	3002	-	-	-	X
56	MG	2l	201	-	-	-	X
56	MG	2x	104	-	-	-	X

2 Entry composition (i)

There are 60 unique types of molecules in this entry. The entry contains 296108 atoms, of which 0 are hydrogens and 0 are deuteriums.

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

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
1	1A	2872	Total	C	N	O	P	0	0	0
			61872	27540	11574	19886	2872			
1	2A	2867	Total	C	N	O	P	0	0	0
			61761	27491	11552	19852	2866			

- 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
			2575	1145	476	834	120			
2	2B	120	Total	C	N	O	P	0	0	0
			2571	1146	476	831	118			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
3	1D	275	Total	C	N	O	S	0	0	0
			2131	1346	422	360	3			
3	2D	275	Total	C	N	O	S	0	0	0
			2136	1349	423	361	3			

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

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

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

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

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
6	1G	181	Total	C	N	O	S	0	0	0
			1426	916	253	253	4			
6	2G	181	Total	C	N	O	S	0	0	0
			1424	912	259	249	4			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
7	1H	174	Total	C	N	O	S	0	0	0
			1330	845	248	236	1			
7	2H	173	Total	C	N	O	S	0	0	0
			1324	842	247	234	1			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
8	1I	147	Total	C	N	O	S	0	0	0
			1094	699	191	203	1			
8	2I	146	Total	C	N	O	S	0	0	0
			1076	687	186	202	1			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
9	1N	140	Total	C	N	O	S	0	0	0
			1121	722	208	187	4			
9	2N	140	Total	C	N	O	S	0	0	0
			1117	719	207	187	4			

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

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

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

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

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

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

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

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

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

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

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
14	1S	110	Total	C	N	O	0	0	0
			877	553	175	149			
14	2S	110	Total	C	N	O	0	0	0
			870	549	173	148			

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

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

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

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

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
17	1V	101	Total	C	N	O	S	0	0	0
			775	498	141	135	1			
17	2V	101	Total	C	N	O	S	0	0	0
			771	495	140	135	1			

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

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

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

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

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
20	1Y	107	Total	C	N	O	S	0	0	0
			810	520	153	131	6			
20	2Y	107	Total	C	N	O	S	0	0	0
			810	519	153	132	6			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
21	1Z	203	Total	C	N	O	S	0	0	0
			1587	1011	282	292	2			
21	2Z	201	Total	C	N	O	S	0	0	0
			1557	995	274	286	2			

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

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

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
23	11	97	Total	C	N	O	S	0	0	0
			754	475	148	130	1			
23	21	97	Total	C	N	O	S	0	0	0
			759	478	149	131	1			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
24	12	70	Total	C	N	O	S	0	0	0
			588	365	118	103	2			
24	22	70	Total	C	N	O	S	0	0	0
			592	368	119	103	2			

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

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

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
26	14	69	Total	C	N	O	S	0	0	0
			546	346	96	99	5			

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
26	24	69	Total	C	N	O	S	0	0	0
			536	342	98	91	5			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
27	15	59	Total	C	N	O	S	0	0	0
			459	288	90	76	5			
27	25	59	Total	C	N	O	S	0	0	0
			455	285	89	76	5			

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

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

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

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

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

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

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

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

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
32	1a	1500	Total	C	N	O	P	0	0	0
			32246	14358	5975	10413	1500			
32	2a	1504	Total	C	N	O	P	0	0	0
			32331	14396	5990	10441	1504			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
33	1b	231	Total	C	N	O	S	0	0	0
			1842	1175	330	332	5			
33	2b	231	Total	C	N	O	S	0	0	0
			1825	1167	326	327	5			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
34	1c	206	Total	C	N	O	S	0	0	0
			1558	979	305	273	1			
34	2c	206	Total	C	N	O	S	0	0	0
			1542	968	300	273	1			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
35	1d	208	Total	C	N	O	S	0	0	0
			1665	1043	329	286	7			
35	2d	208	Total	C	N	O	S	0	0	0
			1668	1047	330	284	7			

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

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

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
37	1f	100	Total	C	N	O	S	0	0	0
			814	516	144	151	3			
37	2f	100	Total	C	N	O	S	0	0	0
			816	516	146	151	3			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
38	1g	155	Total	C	N	O	S	0	0	0
			1235	769	244	216	6			
38	2g	155	Total	C	N	O	S	0	0	0
			1229	766	241	216	6			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
39	1h	137	Total	C	N	O	S	0	0	0
			1098	694	210	192	2			
39	2h	137	Total	C	N	O	S	0	0	0
			1088	689	206	191	2			

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

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
40	1i	127	Total	C	N	O	0	0	0
			986	625	193	168			
40	2i	126	Total	C	N	O	0	0	0
			966	613	186	167			

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

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
41	1j	97	Total	C	N	O	0	0	0
			719	446	142	131			
41	2j	96	Total	C	N	O	0	0	0
			710	442	137	131			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
42	1k	114	Total	C	N	O	S	0	0	0
			834	520	156	155	3			

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

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

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

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
44	1m	116	Total	C	N	O	S	0	0	0
			914	564	189	159	2			
44	2m	114	Total	C	N	O	S	0	0	0
			895	550	186	157	2			

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

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

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

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

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

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

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

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

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

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

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
50	1s	83	Total	C	N	O	S	0	0	0
			648	415	120	111	2			
50	2s	83	Total	C	N	O	S	0	0	0
			645	410	118	115	2			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
51	1t	96	Total	C	N	O	S	0	0	0
			732	449	157	124	2			
51	2t	98	Total	C	N	O	S	0	0	0
			733	451	154	126	2			

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

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

- Molecule 53 is a RNA chain called mRNA.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
53	1v	3	Total	C	N	O	P	0	0	0
			65	29	12	21	3			
53	2v	3	Total	C	N	O	P	0	0	0
			65	29	12	21	3			

- Molecule 54 is a RNA chain called tRNAiMet.

Mol	Chain	Residues	Atoms						ZeroOcc	AltConf	Trace
54	1x	76	Total	C	N	O	P	S	0	0	0
			1625	725	294	529	76	1			
54	2x	76	Total	C	N	O	P	S	0	0	0
			1625	725	294	529	76	1			

- Molecule 55 is a protein called Cathelicidin-3.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
55	1y	16	Total	C	N	O	0	0	0
			147	90	40	17			
55	2y	16	Total	C	N	O	0	0	0
			147	90	40	17			

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

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
56	1A	973	Total	Mg	0	0
			973	973		
56	1B	27	Total	Mg	0	0
			27	27		
56	1D	14	Total	Mg	0	0
			14	14		
56	1E	7	Total	Mg	0	0
			7	7		
56	1F	10	Total	Mg	0	0
			10	10		
56	1G	3	Total	Mg	0	0
			3	3		
56	1H	2	Total	Mg	0	0
			2	2		
56	1N	4	Total	Mg	0	0
			4	4		
56	1P	4	Total	Mg	0	0
			4	4		

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Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
56	1Q	6	Total Mg 6 6	0	0
56	1R	4	Total Mg 4 4	0	0
56	1S	1	Total Mg 1 1	0	0
56	1T	1	Total Mg 1 1	0	0
56	1U	3	Total Mg 3 3	0	0
56	1V	3	Total Mg 3 3	0	0
56	1W	3	Total Mg 3 3	0	0
56	1X	1	Total Mg 1 1	0	0
56	10	8	Total Mg 8 8	0	0
56	11	2	Total Mg 2 2	0	0
56	13	2	Total Mg 2 2	0	0
56	15	7	Total Mg 7 7	0	0
56	17	2	Total Mg 2 2	0	0
56	18	1	Total Mg 1 1	0	0
56	19	3	Total Mg 3 3	0	0
56	1a	240	Total Mg 240 240	0	0
56	1b	1	Total Mg 1 1	0	0
56	1d	5	Total Mg 5 5	0	0
56	1e	1	Total Mg 1 1	0	0
56	1f	1	Total Mg 1 1	0	0
56	1g	1	Total Mg 1 1	0	0

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Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
56	1h	1	Total Mg 1 1	0	0
56	1i	1	Total Mg 1 1	0	0
56	1l	3	Total Mg 3 3	0	0
56	1n	1	Total Mg 1 1	0	0
56	1o	2	Total Mg 2 2	0	0
56	1q	1	Total Mg 1 1	0	0
56	1t	1	Total Mg 1 1	0	0
56	1x	13	Total Mg 13 13	0	0
56	2A	986	Total Mg 986 986	0	0
56	2B	25	Total Mg 25 25	0	0
56	2D	17	Total Mg 17 17	0	0
56	2E	6	Total Mg 6 6	0	0
56	2F	9	Total Mg 9 9	0	0
56	2G	3	Total Mg 3 3	0	0
56	2H	2	Total Mg 2 2	0	0
56	2N	3	Total Mg 3 3	0	0
56	2P	3	Total Mg 3 3	0	0
56	2Q	4	Total Mg 4 4	0	0
56	2R	2	Total Mg 2 2	0	0
56	2S	1	Total Mg 1 1	0	0
56	2U	7	Total Mg 7 7	0	0

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Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
56	2V	1	Total Mg 1 1	0	0
56	2W	1	Total Mg 1 1	0	0
56	2X	2	Total Mg 2 2	0	0
56	2Y	2	Total Mg 2 2	0	0
56	20	5	Total Mg 5 5	0	0
56	23	2	Total Mg 2 2	0	0
56	25	3	Total Mg 3 3	0	0
56	27	2	Total Mg 2 2	0	0
56	28	1	Total Mg 1 1	0	0
56	29	2	Total Mg 2 2	0	0
56	2a	221	Total Mg 221 221	0	0
56	2b	1	Total Mg 1 1	0	0
56	2d	4	Total Mg 4 4	0	0
56	2e	1	Total Mg 1 1	0	0
56	2f	1	Total Mg 1 1	0	0
56	2g	1	Total Mg 1 1	0	0
56	2h	2	Total Mg 2 2	0	0
56	2i	1	Total Mg 1 1	0	0
56	2j	1	Total Mg 1 1	0	0
56	2l	2	Total Mg 2 2	0	0
56	2n	1	Total Mg 1 1	0	0

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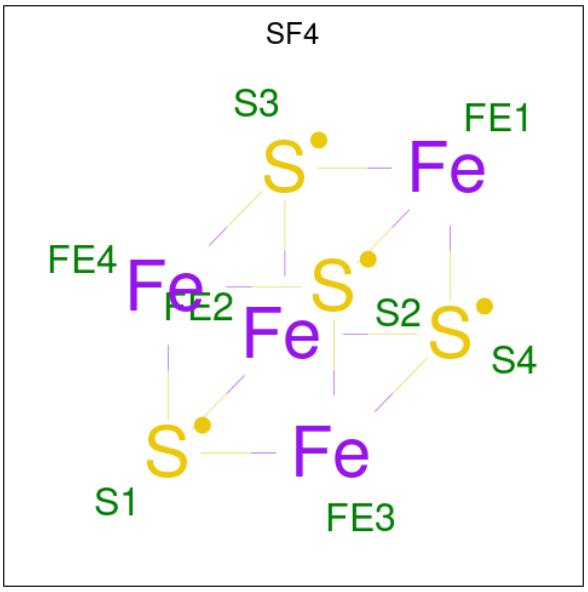
Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
56	2o	1	Total Mg 1 1	0	0
56	2t	1	Total Mg 1 1	0	0
56	2v	1	Total Mg 1 1	0	0
56	2x	12	Total Mg 12 12	0	0

- Molecule 57 is ZINC ION (three-letter code: ZN) (formula: Zn).

Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
57	1Y	1	Total Zn 1 1	0	0
57	14	1	Total Zn 1 1	0	0
57	15	1	Total Zn 1 1	0	0
57	16	1	Total Zn 1 1	0	0
57	19	1	Total Zn 1 1	0	0
57	1n	1	Total Zn 1 1	0	0
57	2Y	1	Total Zn 1 1	0	0
57	24	1	Total Zn 1 1	0	0
57	25	1	Total Zn 1 1	0	0
57	26	1	Total Zn 1 1	0	0
57	29	1	Total Zn 1 1	0	0
57	2n	1	Total Zn 1 1	0	0

- Molecule 58 is IRON/SULFUR CLUSTER (three-letter code: SF4) (formula: Fe_4S_4).



Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
58	1d	1	Total Fe S 8 4 4	0	0
58	2d	1	Total Fe S 8 4 4	0	0

- Molecule 59 is POTASSIUM ION (three-letter code: K) (formula: K).

Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
59	1x	1	Total K 1 1	0	0
59	2A	1	Total K 1 1	0	0

- Molecule 60 is water.

Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
60	1A	1795	Total O 1795 1795	0	0
60	1B	49	Total O 49 49	0	0
60	1D	23	Total O 23 23	0	0
60	1E	16	Total O 16 16	0	0
60	1F	9	Total O 9 9	0	0

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Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
60	1G	2	Total O 2 2	0	0
60	1H	4	Total O 4 4	0	0
60	1N	8	Total O 8 8	0	0
60	1P	14	Total O 14 14	0	0
60	1Q	6	Total O 6 6	0	0
60	1R	6	Total O 6 6	0	0
60	1T	5	Total O 5 5	0	0
60	1U	3	Total O 3 3	0	0
60	1V	6	Total O 6 6	0	0
60	1W	1	Total O 1 1	0	0
60	1X	6	Total O 6 6	0	0
60	1Y	4	Total O 4 4	0	0
60	10	5	Total O 5 5	0	0
60	11	5	Total O 5 5	0	0
60	13	1	Total O 1 1	0	0
60	15	3	Total O 3 3	0	0
60	16	1	Total O 1 1	0	0
60	17	2	Total O 2 2	0	0
60	18	8	Total O 8 8	0	0
60	19	2	Total O 2 2	0	0
60	1a	408	Total O 408 408	0	0

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Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
60	1d	8	Total O 8 8	0	0
60	1e	3	Total O 3 3	0	0
60	1f	1	Total O 1 1	0	0
60	1h	1	Total O 1 1	0	0
60	1j	1	Total O 1 1	0	0
60	1l	4	Total O 4 4	0	0
60	1m	1	Total O 1 1	0	0
60	1o	2	Total O 2 2	0	0
60	1p	1	Total O 1 1	0	0
60	1t	2	Total O 2 2	0	0
60	1v	2	Total O 2 2	0	0
60	1x	5	Total O 5 5	0	0
60	1y	2	Total O 2 2	0	0
60	2A	1787	Total O 1787 1787	0	0
60	2B	46	Total O 46 46	0	0
60	2D	20	Total O 20 20	0	0
60	2E	15	Total O 15 15	0	0
60	2F	11	Total O 11 11	0	0
60	2G	2	Total O 2 2	0	0
60	2H	4	Total O 4 4	0	0
60	2N	8	Total O 8 8	0	0

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Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
60	2P	17	Total O 17 17	0	0
60	2Q	4	Total O 4 4	0	0
60	2R	6	Total O 6 6	0	0
60	2T	4	Total O 4 4	0	0
60	2U	5	Total O 5 5	0	0
60	2V	3	Total O 3 3	0	0
60	2W	1	Total O 1 1	0	0
60	2X	5	Total O 5 5	0	0
60	2Y	8	Total O 8 8	0	0
60	20	9	Total O 9 9	0	0
60	21	2	Total O 2 2	0	0
60	23	2	Total O 2 2	0	0
60	25	2	Total O 2 2	0	0
60	26	1	Total O 1 1	0	0
60	27	2	Total O 2 2	0	0
60	28	9	Total O 9 9	0	0
60	29	4	Total O 4 4	0	0
60	2a	408	Total O 408 408	0	0
60	2d	7	Total O 7 7	0	0
60	2e	4	Total O 4 4	0	0
60	2f	1	Total O 1 1	0	0

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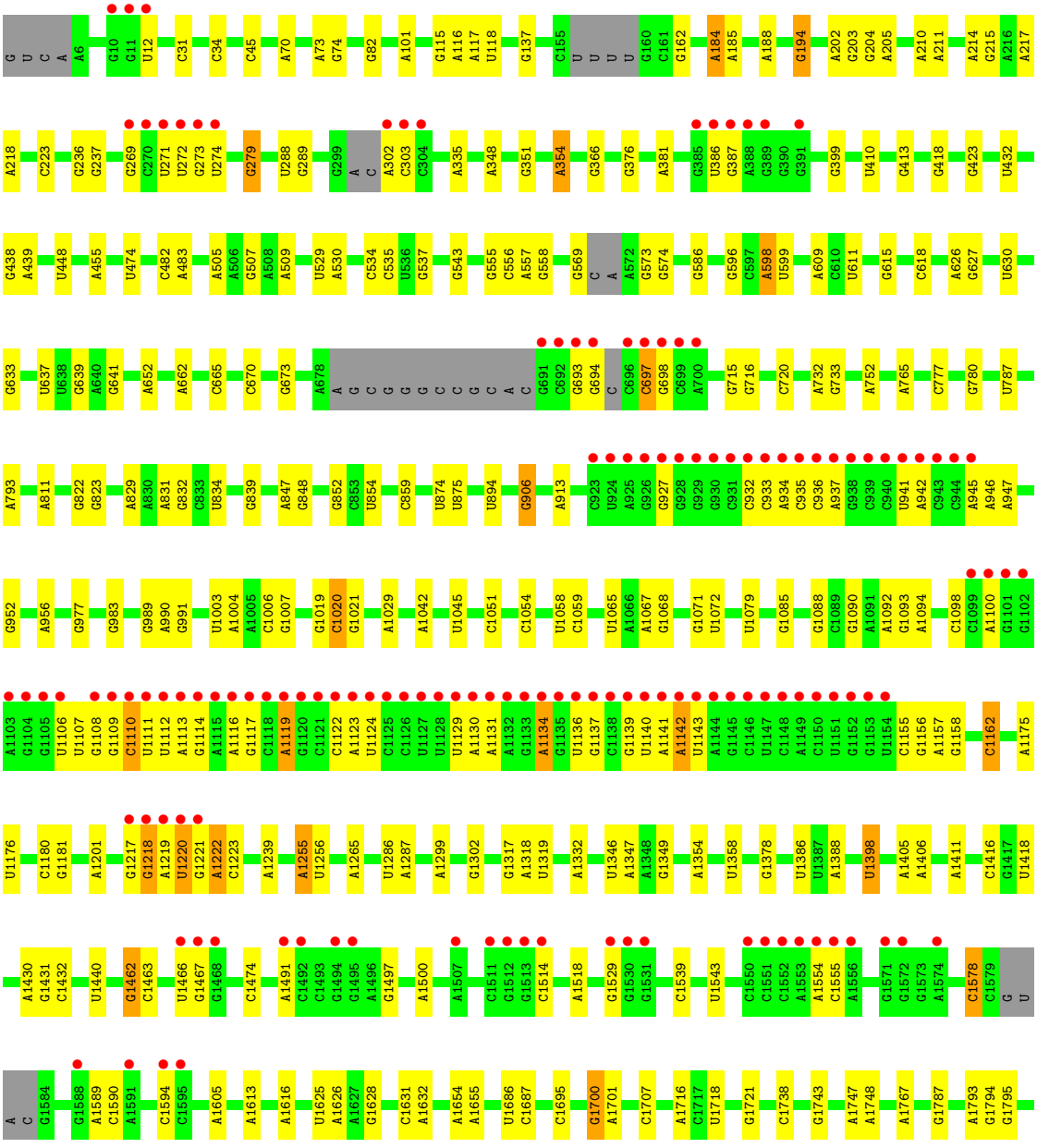
Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
60	2h	1	Total O 1 1	0	0
60	2j	2	Total O 2 2	0	0
60	2l	7	Total O 7 7	0	0
60	2m	1	Total O 1 1	0	0
60	2n	1	Total O 1 1	0	0
60	2t	1	Total O 1 1	0	0
60	2v	3	Total O 3 3	0	0
60	2x	4	Total O 4 4	0	0
60	2y	4	Total O 4 4	0	0

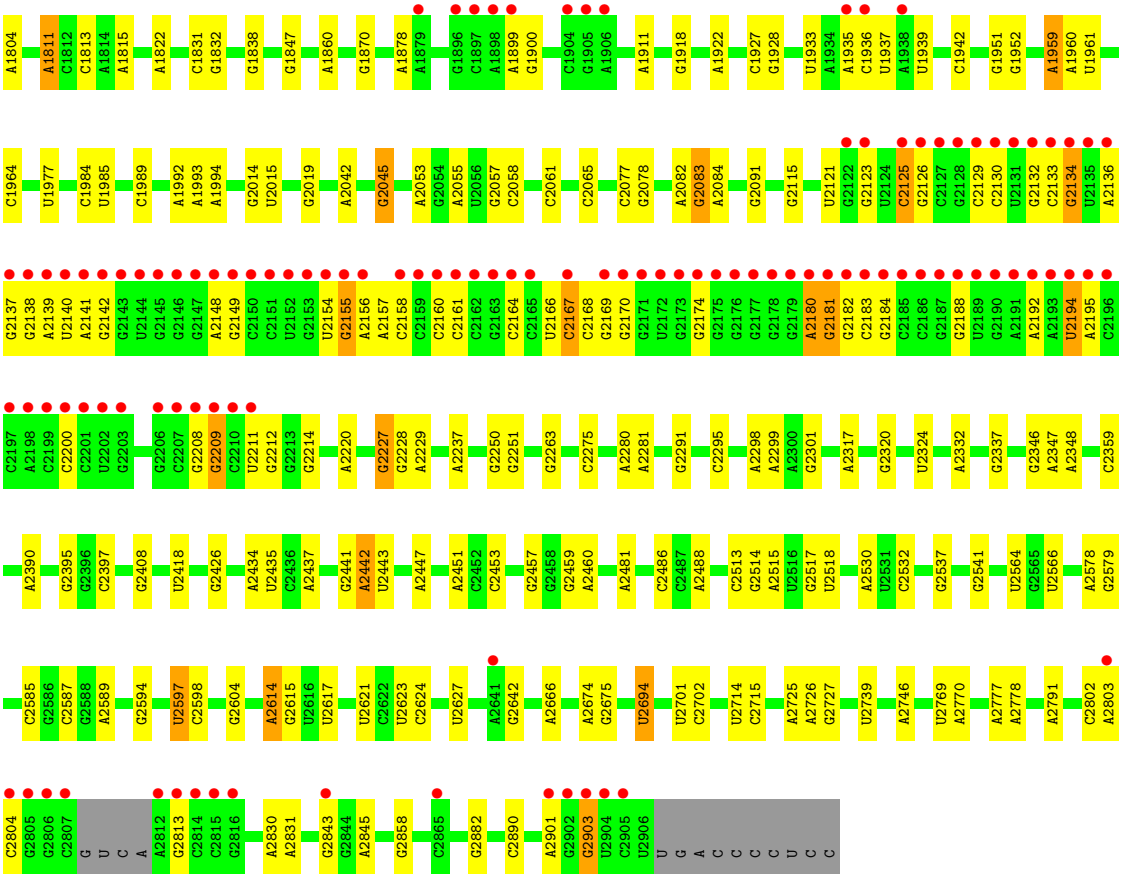
3 Residue-property plots (i)

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

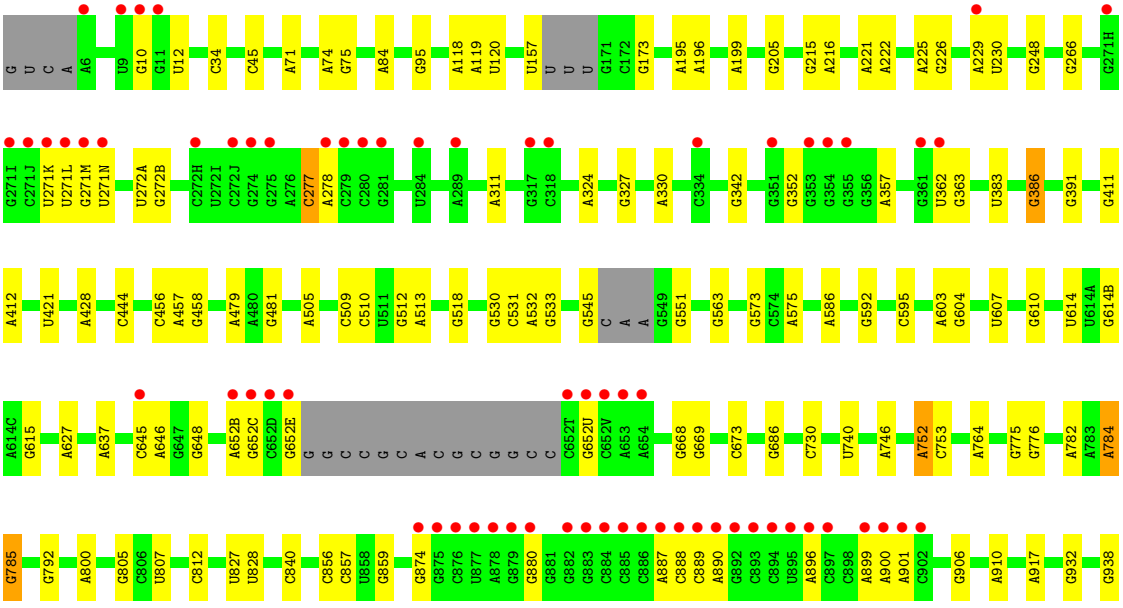
Chain 1A:

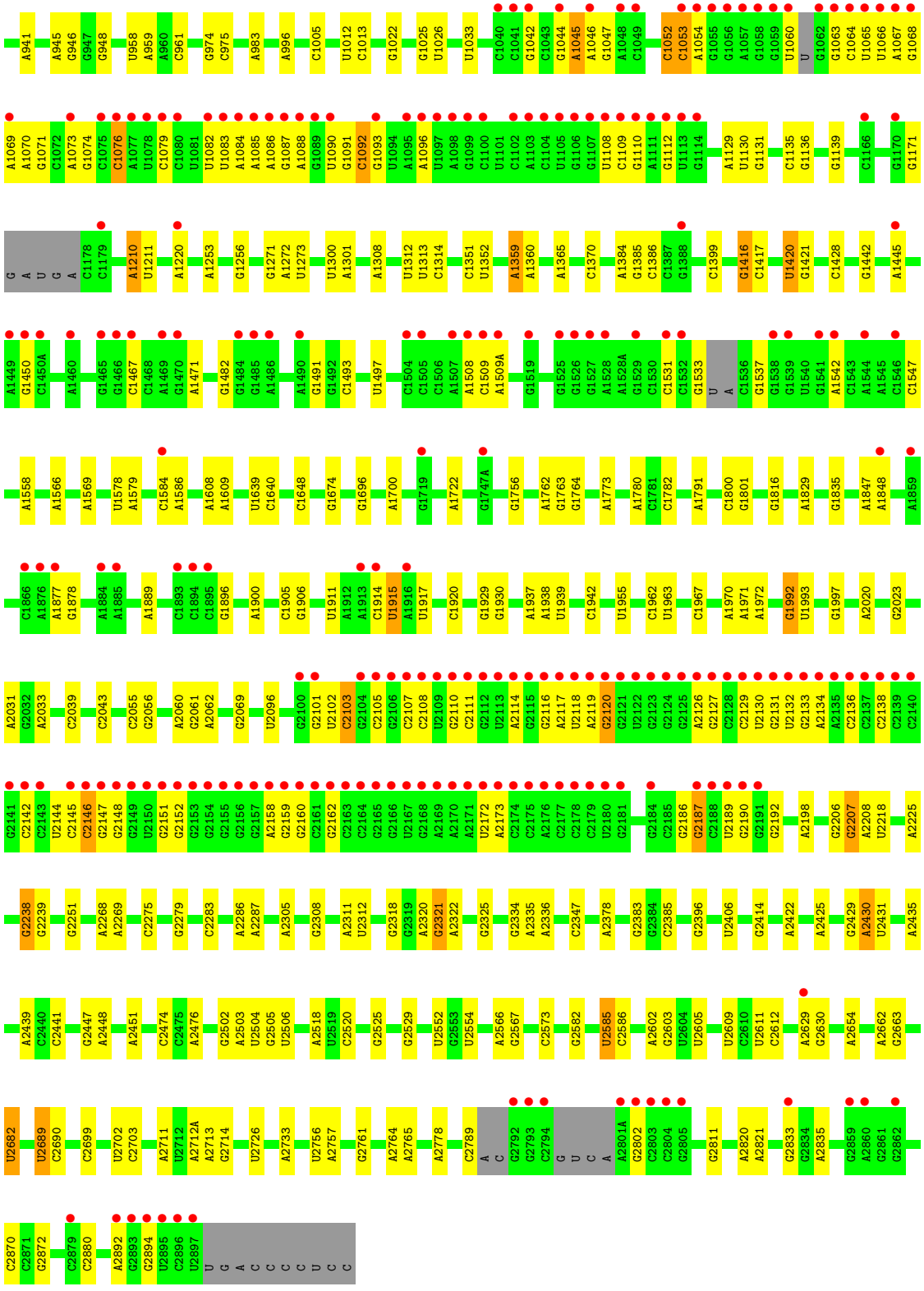




• Molecule 1: 23S ribosomal RNA

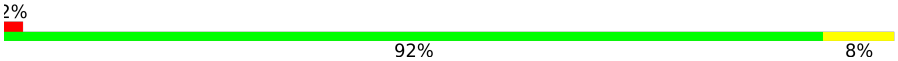
Chain 2A:





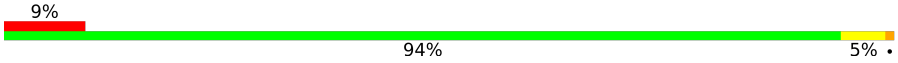
• Molecule 2: 5S ribosomal RNA

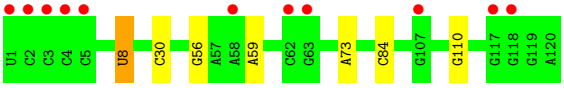
Chain 1B:



• Molecule 2: 5S ribosomal RNA

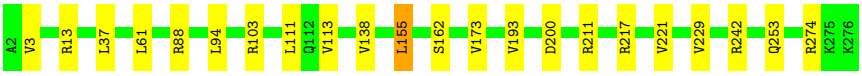
Chain 2B:





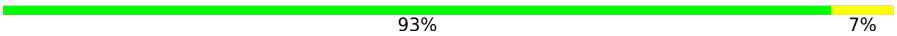
• Molecule 3: 50S ribosomal protein L2

Chain 1D:



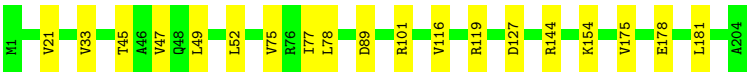
• Molecule 3: 50S ribosomal protein L2

Chain 2D:



• Molecule 4: 50S ribosomal protein L3

Chain 1E:

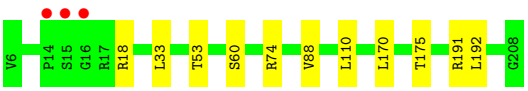


• Molecule 4: 50S ribosomal protein L3

Chain 2E:

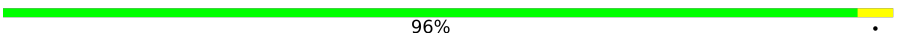
• Molecule 5: 50S ribosomal protein L4

Chain 1F:



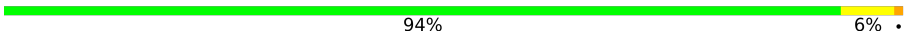
• Molecule 5: 50S ribosomal protein L4

Chain 2F:



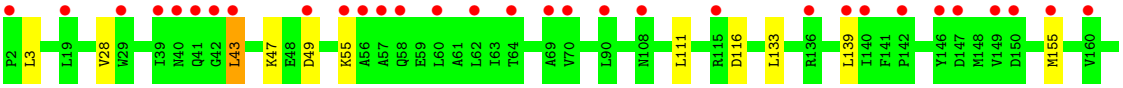
• Molecule 6: 50S ribosomal protein L5

Chain 1G:



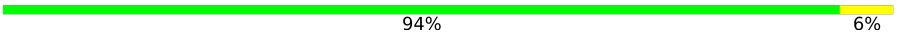
• Molecule 6: 50S ribosomal protein L5

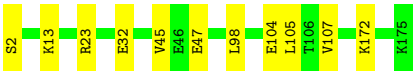
Chain 2G:



• Molecule 7: 50S ribosomal protein L6

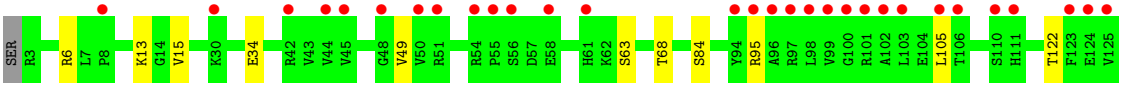
Chain 1H:

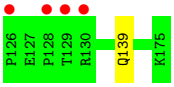




• Molecule 7: 50S ribosomal protein L6

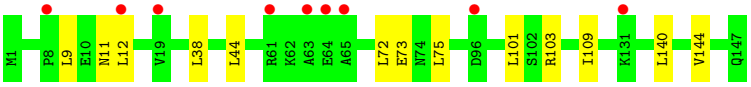
Chain 2H:





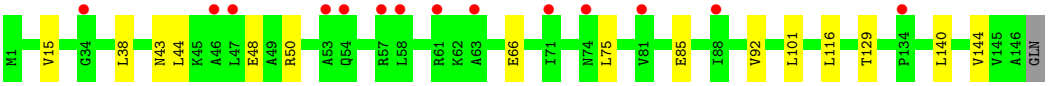
• Molecule 8: 50S ribosomal protein L9

Chain 1I:



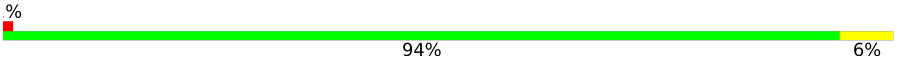
• Molecule 8: 50S ribosomal protein L9

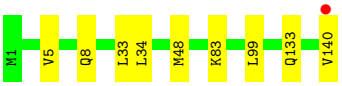
Chain 2I:



• Molecule 9: 50S ribosomal protein L13

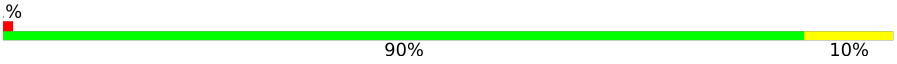
Chain 1N:





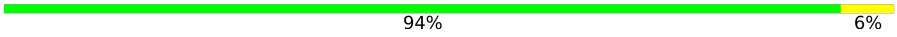
• Molecule 9: 50S ribosomal protein L13

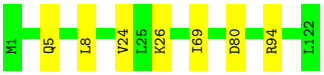
Chain 2N:



• Molecule 10: 50S ribosomal protein L14

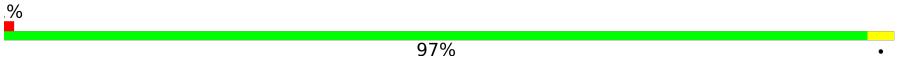
Chain 1O:

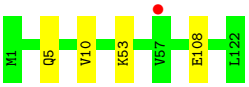




• Molecule 10: 50S ribosomal protein L14

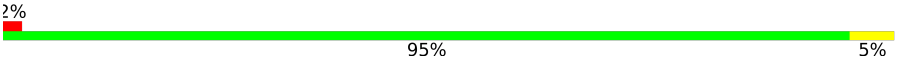
Chain 2O:

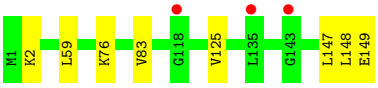




• Molecule 11: 50S ribosomal protein L15

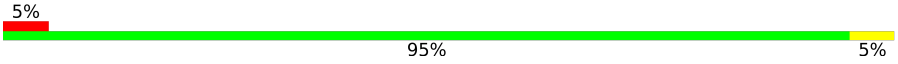
Chain 1P:

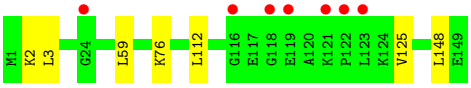




• Molecule 11: 50S ribosomal protein L15

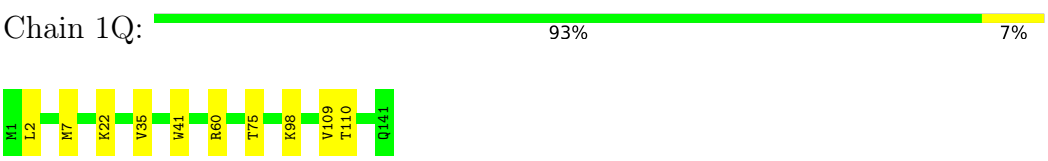
Chain 2P:





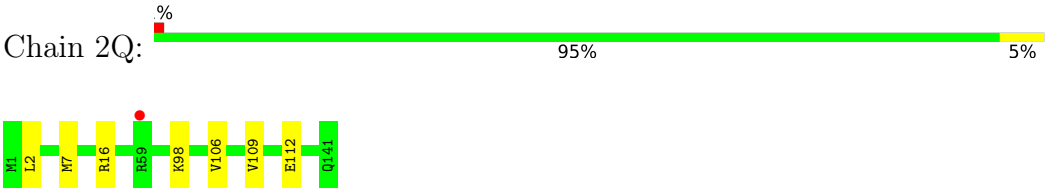
• Molecule 12: 50S ribosomal protein L16

Chain 1Q:



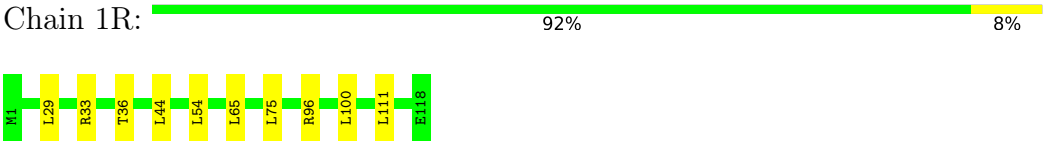
• Molecule 12: 50S ribosomal protein L16

Chain 2Q:



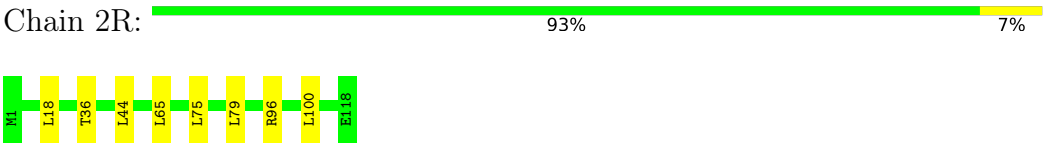
• Molecule 13: 50S ribosomal protein L17

Chain 1R:



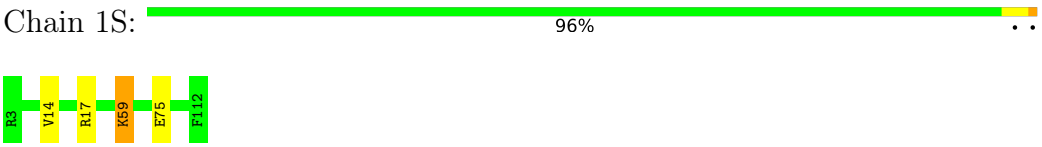
• Molecule 13: 50S ribosomal protein L17

Chain 2R:



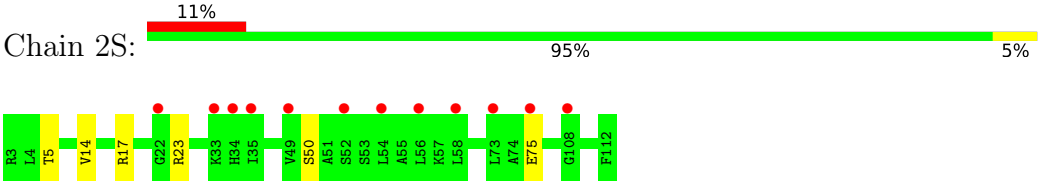
• Molecule 14: 50S ribosomal protein L18

Chain 1S:



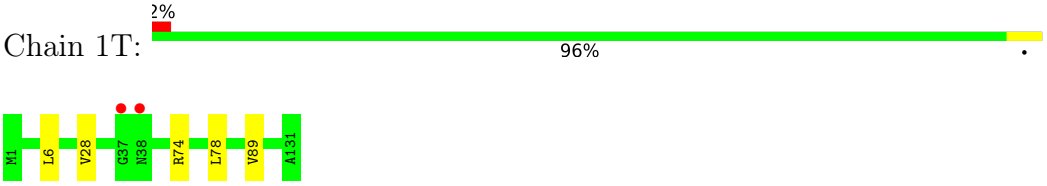
• Molecule 14: 50S ribosomal protein L18

Chain 2S:



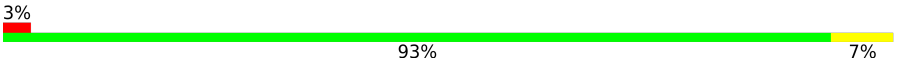
• Molecule 15: 50S ribosomal protein L19

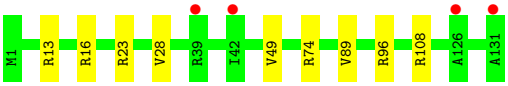
Chain 1T:



• Molecule 15: 50S ribosomal protein L19

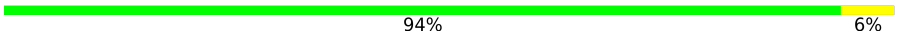
Chain 2T:





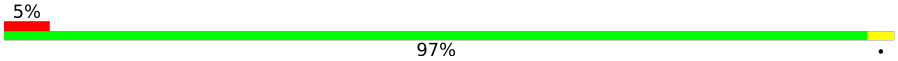
• Molecule 16: 50S ribosomal protein L20

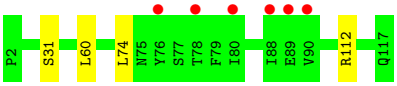
Chain 1U:



• Molecule 16: 50S ribosomal protein L20

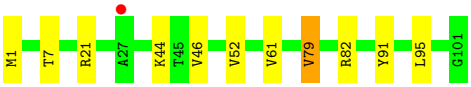
Chain 2U:





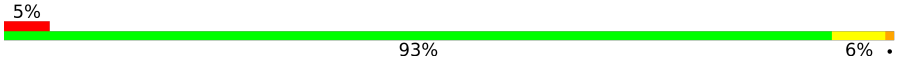
• Molecule 17: 50S ribosomal protein L21

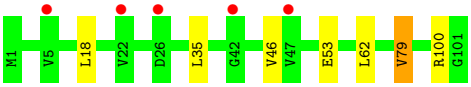
Chain 1V:



• Molecule 17: 50S ribosomal protein L21

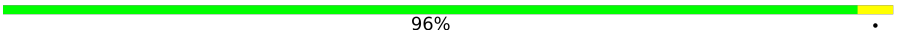
Chain 2V:

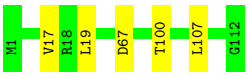




• Molecule 18: 50S ribosomal protein L22

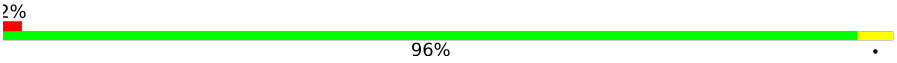
Chain 1W:

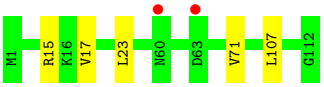




• Molecule 18: 50S ribosomal protein L22

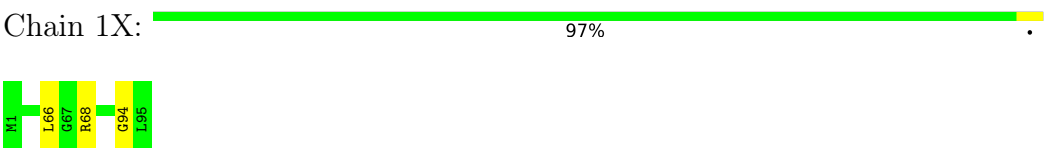
Chain 2W:





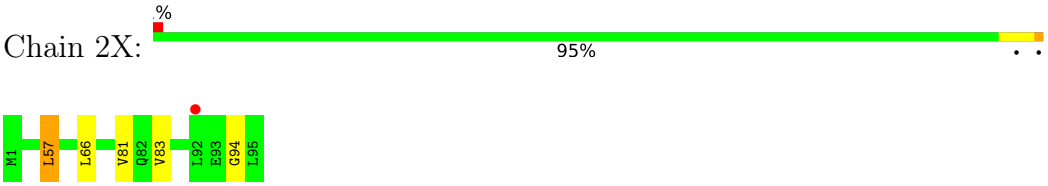
• Molecule 19: 50S ribosomal protein L23

Chain 1X:



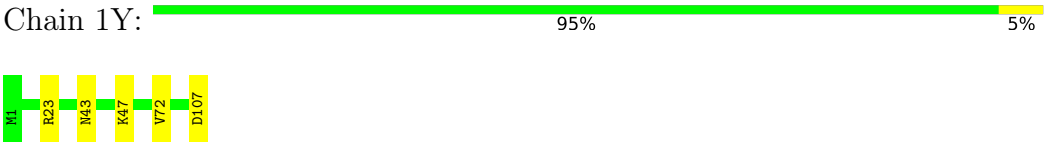
• Molecule 19: 50S ribosomal protein L23

Chain 2X:



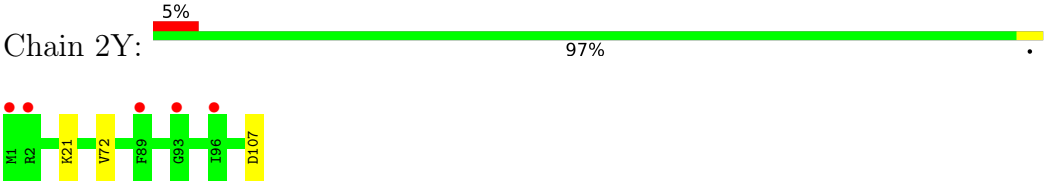
• Molecule 20: 50S ribosomal protein L24

Chain 1Y:



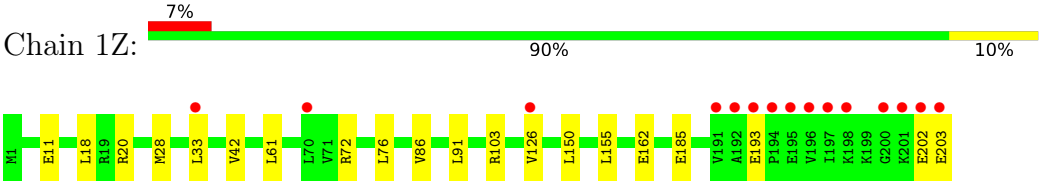
• Molecule 20: 50S ribosomal protein L24

Chain 2Y:



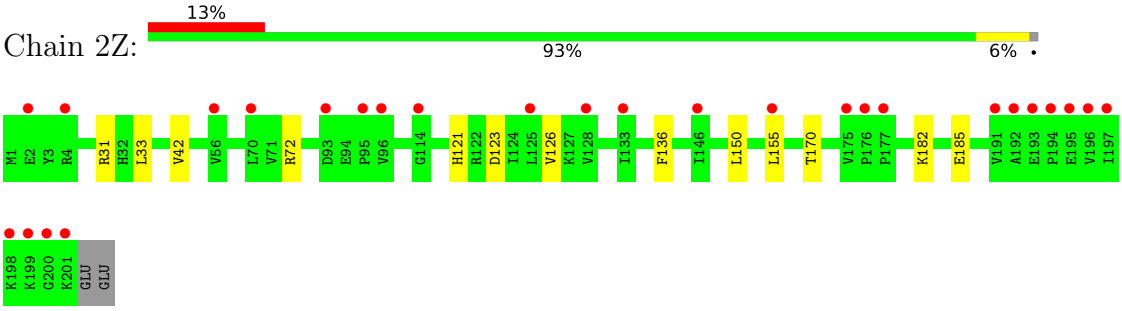
• Molecule 21: 50S ribosomal protein L25

Chain 1Z:



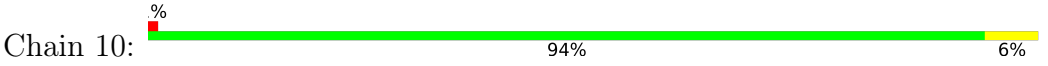
• Molecule 21: 50S ribosomal protein L25

Chain 2Z:



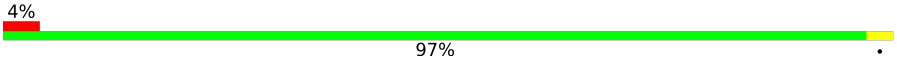
• Molecule 22: 50S ribosomal protein L27

Chain 10:



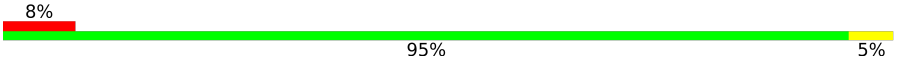
• Molecule 22: 50S ribosomal protein L27

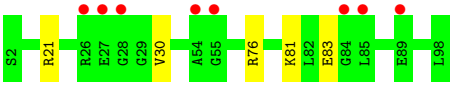
Chain 20:



• Molecule 23: 50S ribosomal protein L28

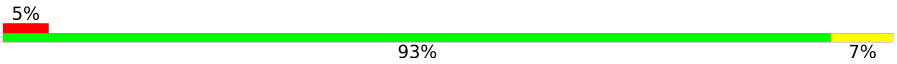
Chain 11:

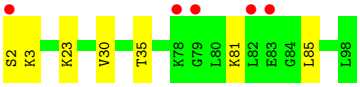




• Molecule 23: 50S ribosomal protein L28

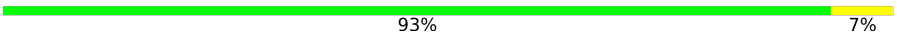
Chain 21:

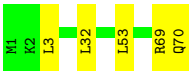




• Molecule 24: 50S ribosomal protein L29

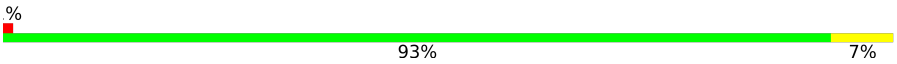
Chain 12:

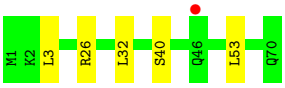




• Molecule 24: 50S ribosomal protein L29

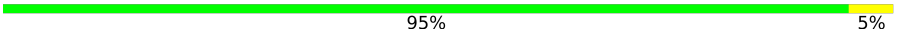
Chain 22:

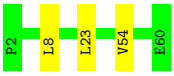




• Molecule 25: 50S ribosomal protein L30

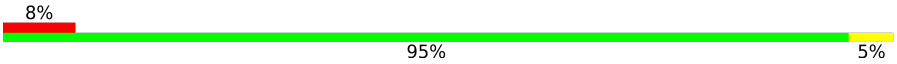
Chain 13:

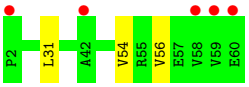




• Molecule 25: 50S ribosomal protein L30

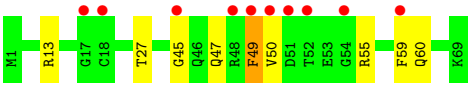
Chain 23:





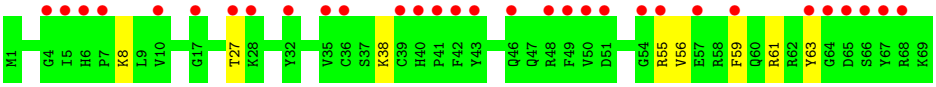
• Molecule 26: 50S ribosomal protein L31

Chain 14:



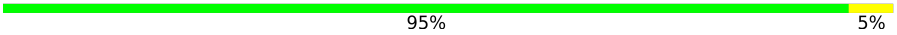
• Molecule 26: 50S ribosomal protein L31

Chain 24:



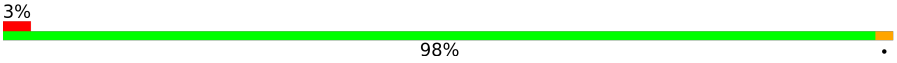
• Molecule 27: 50S ribosomal protein L32

Chain 15:



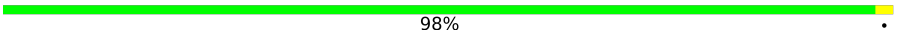
• Molecule 27: 50S ribosomal protein L32

Chain 25:



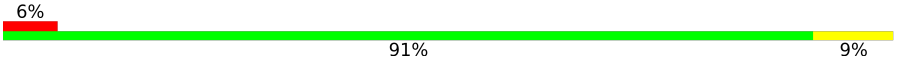
• Molecule 28: 50S ribosomal protein L33

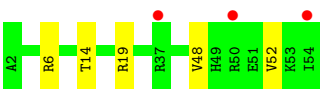
Chain 16:



• Molecule 28: 50S ribosomal protein L33

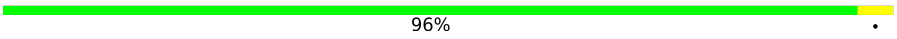
Chain 26:





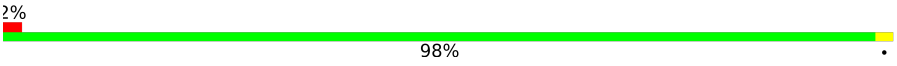
• Molecule 29: 50S ribosomal protein L34

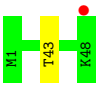
Chain 17:



• Molecule 29: 50S ribosomal protein L34

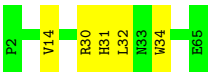
Chain 27:





• Molecule 30: 50S ribosomal protein L35

Chain 18:

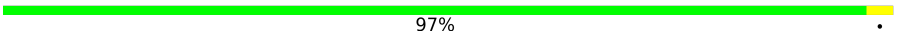


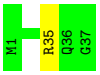
• Molecule 30: 50S ribosomal protein L35

Chain 28:

• Molecule 31: 50S ribosomal protein L36

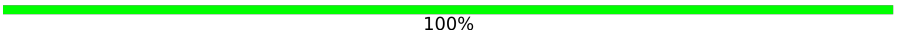
Chain 19:





• Molecule 31: 50S ribosomal protein L36

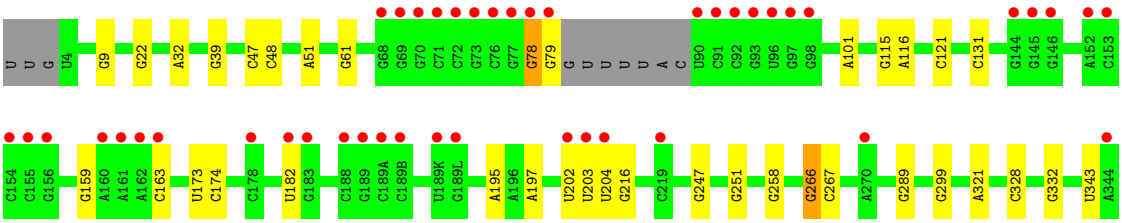
Chain 29:

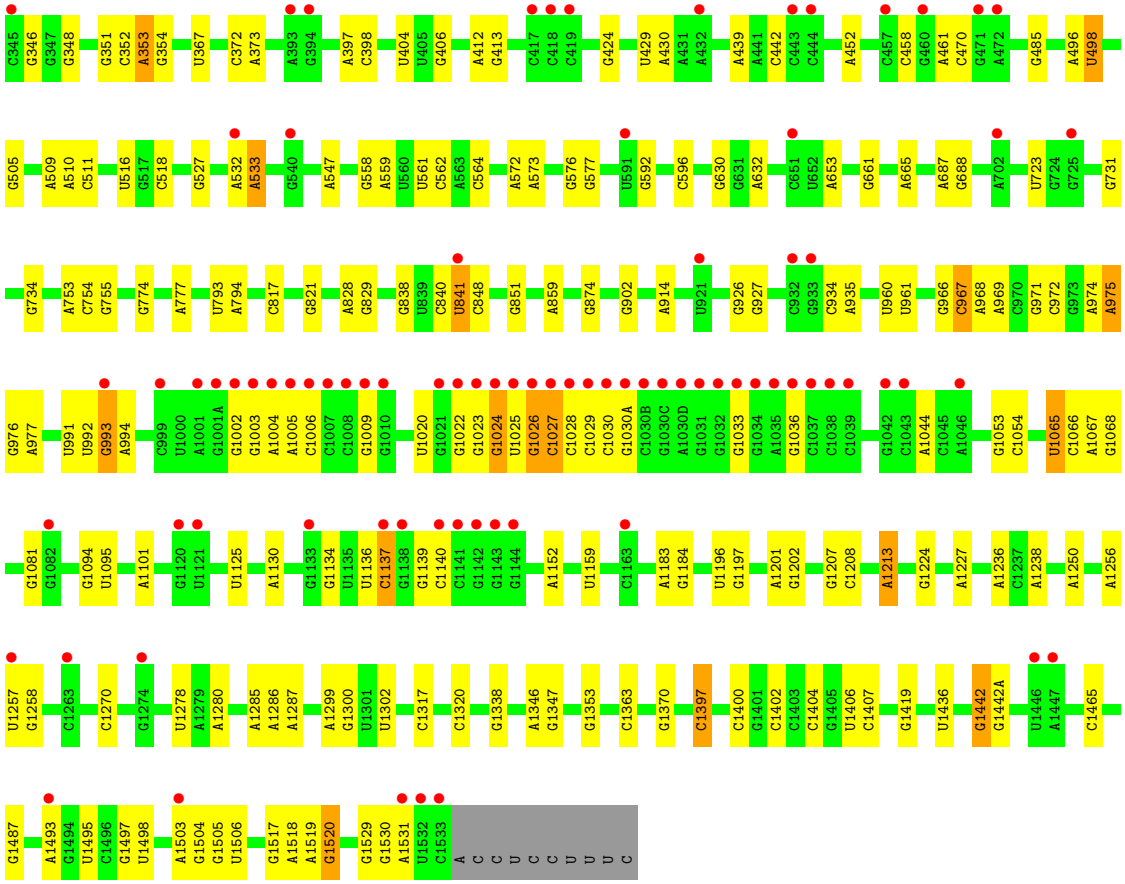


There are no outlier residues recorded for this chain.

• Molecule 32: 16S ribosomal RNA

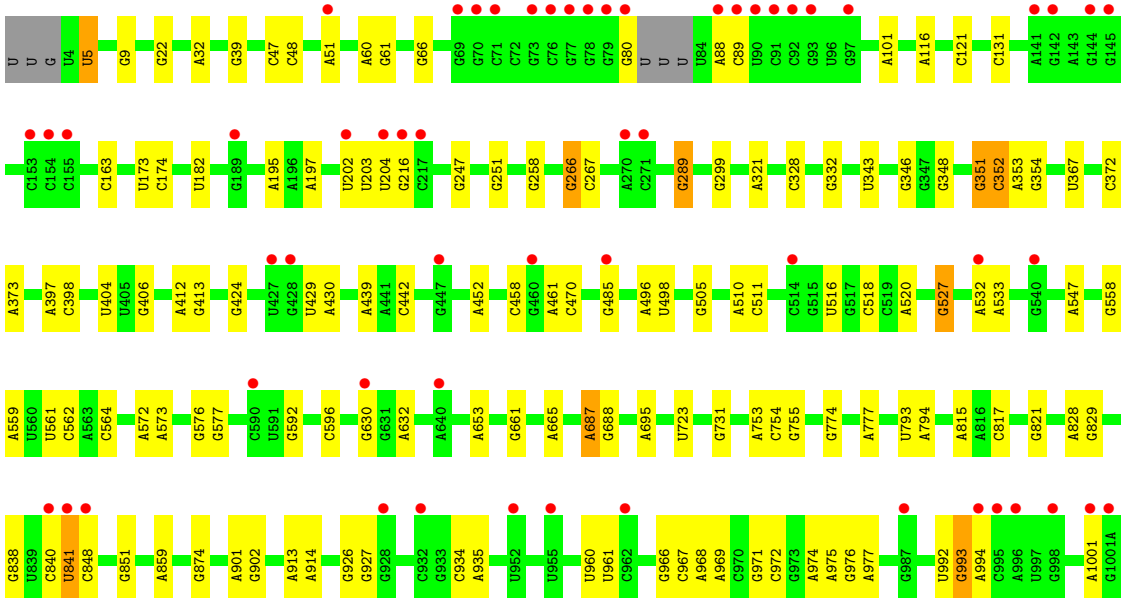
Chain 1a:

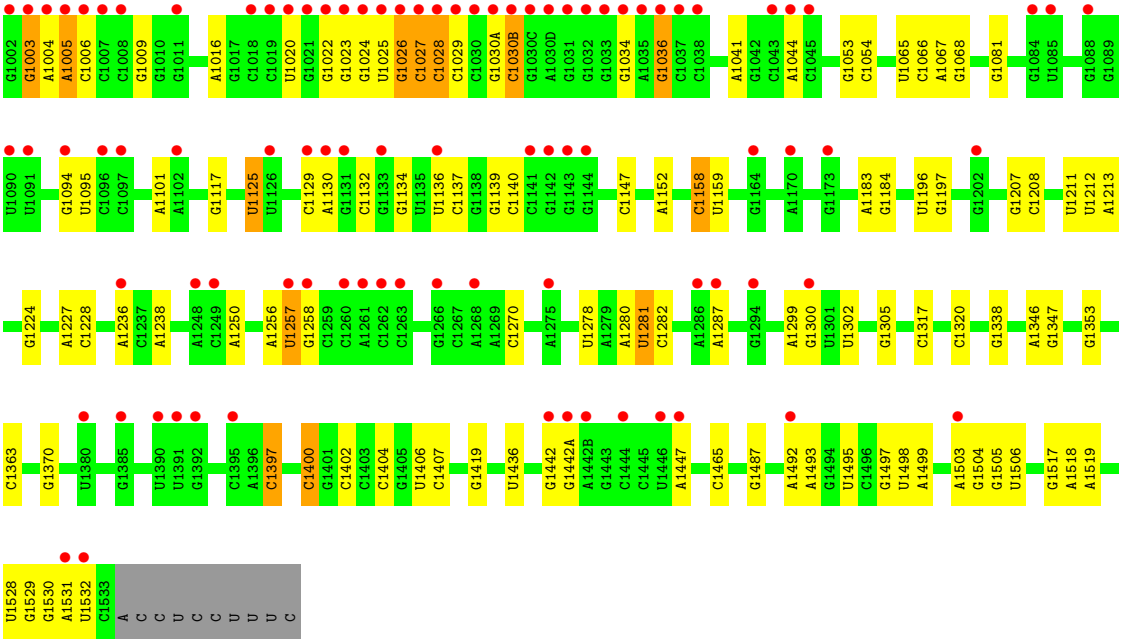




• Molecule 32: 16S ribosomal RNA

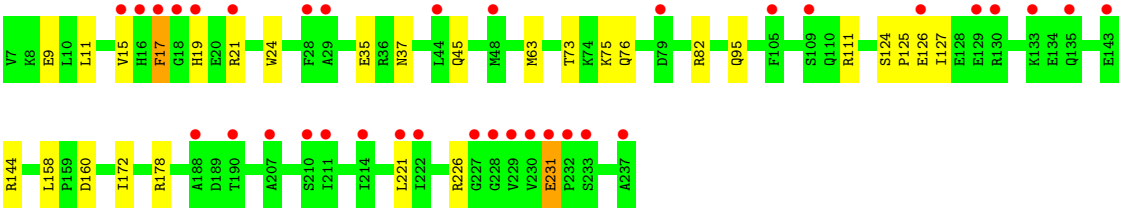
Chain 2a:





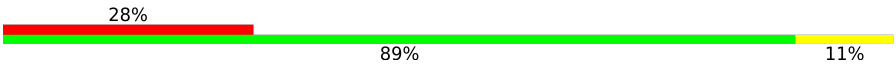
• Molecule 33: 30S ribosomal protein S2

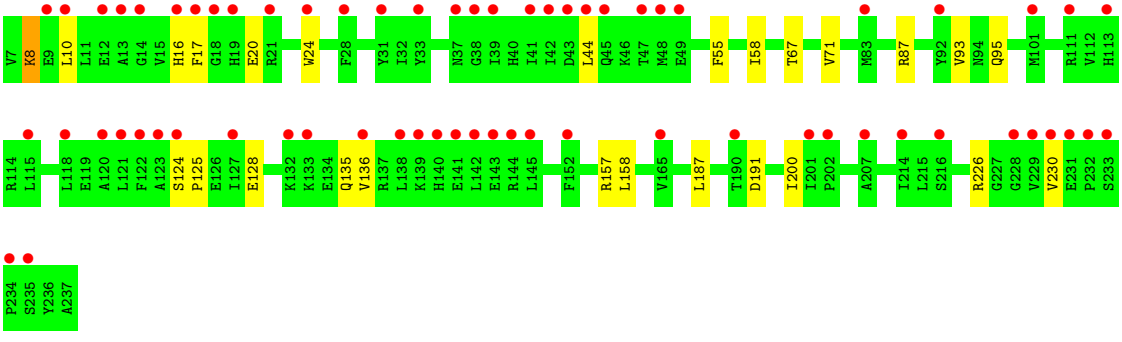
Chain 1b:



• Molecule 33: 30S ribosomal protein S2

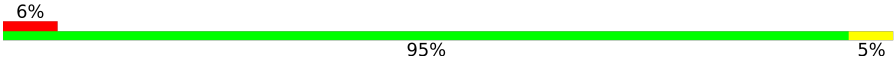
Chain 2b:

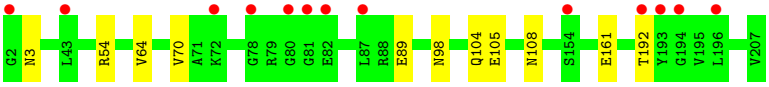




• Molecule 34: 30S ribosomal protein S3

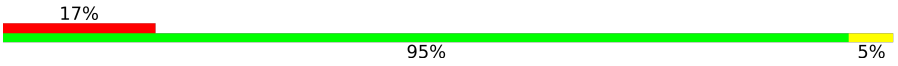
Chain 1c:

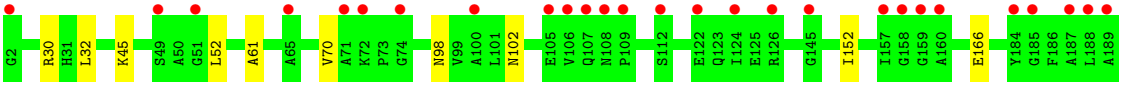


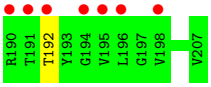


• Molecule 34: 30S ribosomal protein S3

Chain 2c:

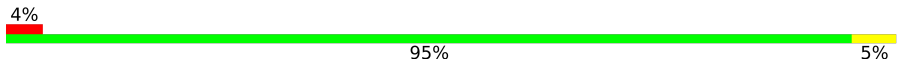


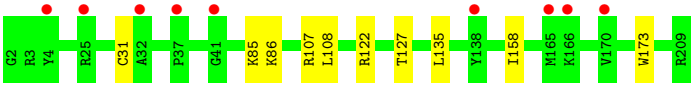




• Molecule 35: 30S ribosomal protein S4

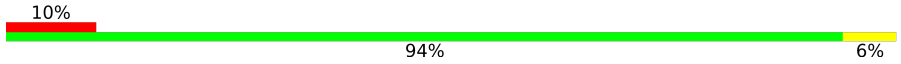
Chain 1d:

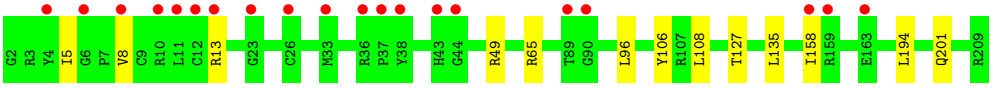




• Molecule 35: 30S ribosomal protein S4

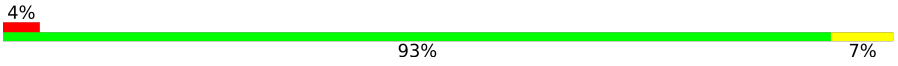
Chain 2d:





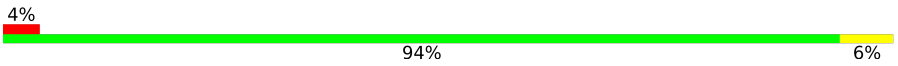
• Molecule 36: 30S ribosomal protein S5

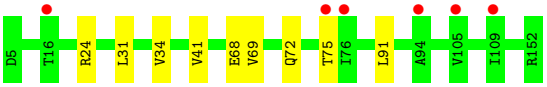
Chain 1e:



• Molecule 36: 30S ribosomal protein S5

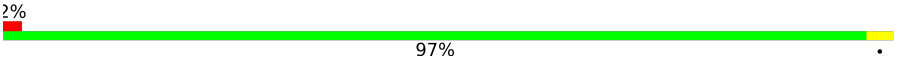
Chain 2e:





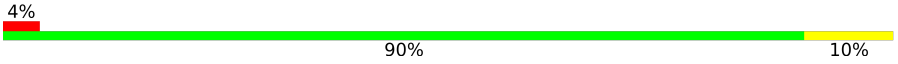
• Molecule 37: 30S ribosomal protein S6

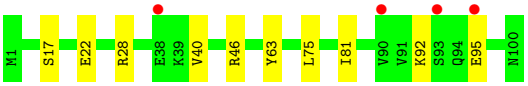
Chain 1f:



• Molecule 37: 30S ribosomal protein S6

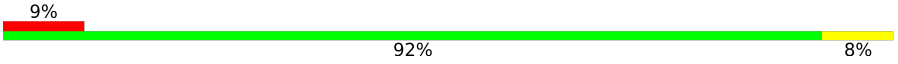
Chain 2f:

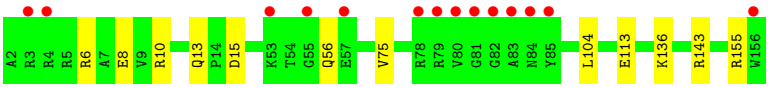




• Molecule 38: 30S ribosomal protein S7

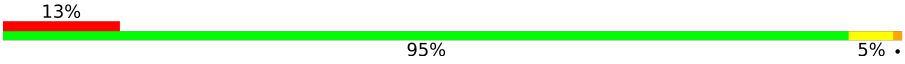
Chain 1g:

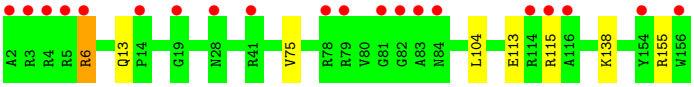




• Molecule 38: 30S ribosomal protein S7

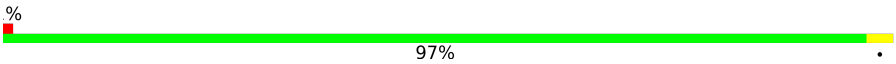
Chain 2g:

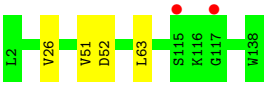




• Molecule 39: 30S ribosomal protein S8

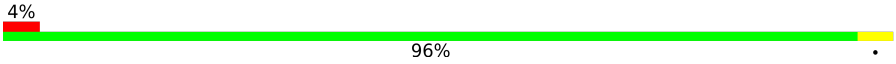
Chain 1h:

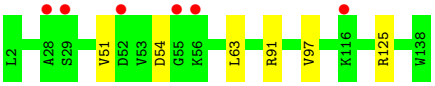




• Molecule 39: 30S ribosomal protein S8

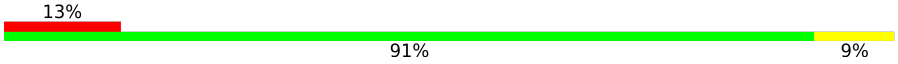
Chain 2h:

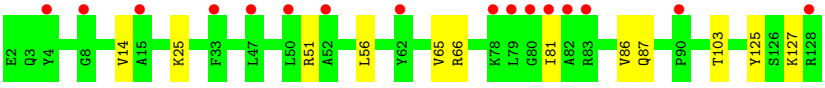




• Molecule 40: 30S ribosomal protein S9

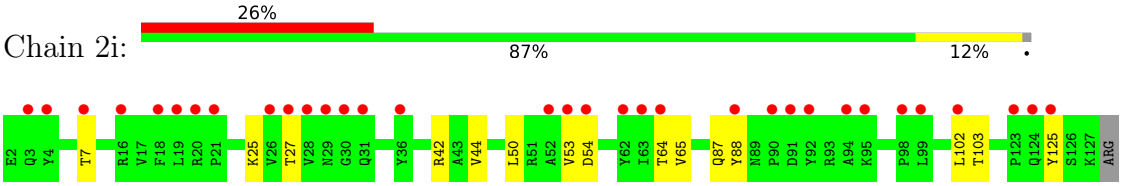
Chain 1i:





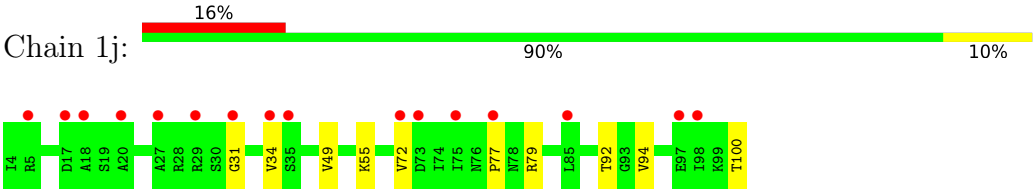
• Molecule 40: 30S ribosomal protein S9

Chain 2i:



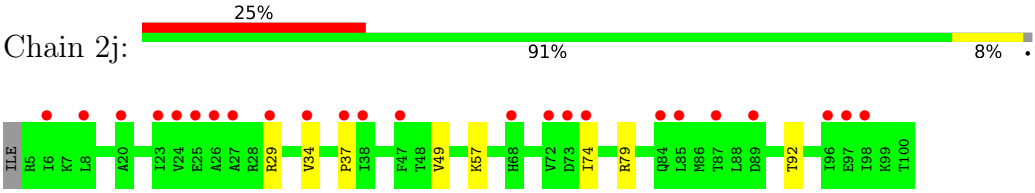
• Molecule 41: 30S ribosomal protein S10

Chain 1j:



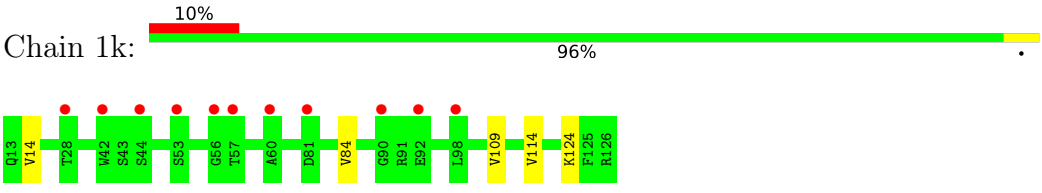
• Molecule 41: 30S ribosomal protein S10

Chain 2j:



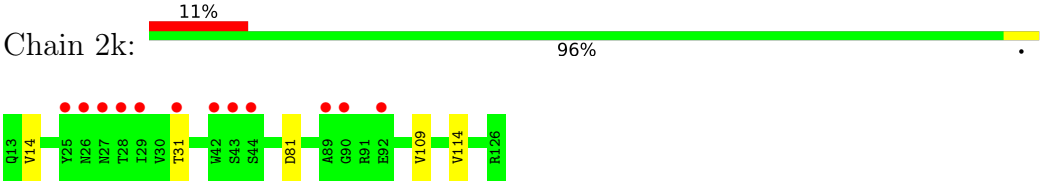
• Molecule 42: 30S ribosomal protein S11

Chain 1k:



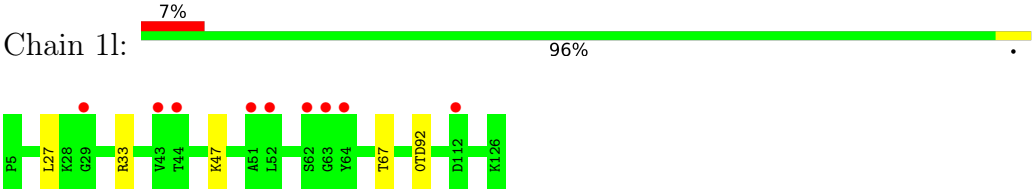
• Molecule 42: 30S ribosomal protein S11

Chain 2k:



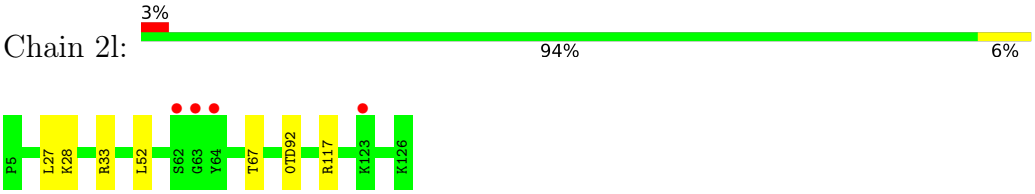
• Molecule 43: 30S ribosomal protein S12

Chain 1l:



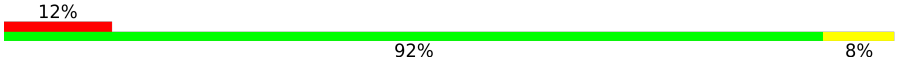
• Molecule 43: 30S ribosomal protein S12

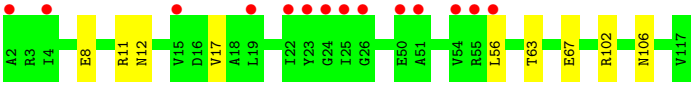
Chain 2l:



• Molecule 44: 30S ribosomal protein S13

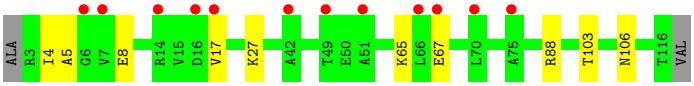
Chain 1m:





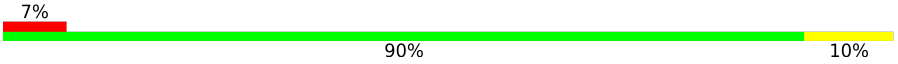
• Molecule 44: 30S ribosomal protein S13

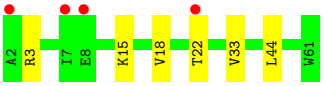
Chain 2m:



• Molecule 45: 30S ribosomal protein S14 type Z

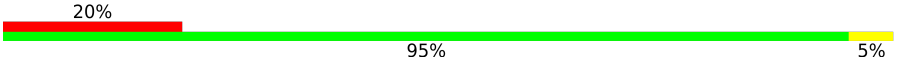
Chain 1n:

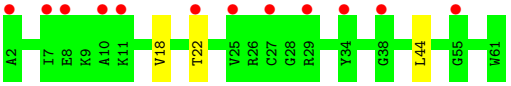




• Molecule 45: 30S ribosomal protein S14 type Z

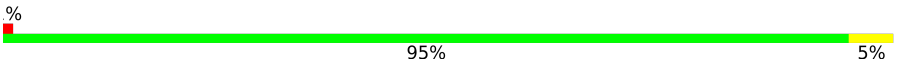
Chain 2n:

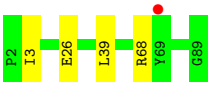




• Molecule 46: 30S ribosomal protein S15

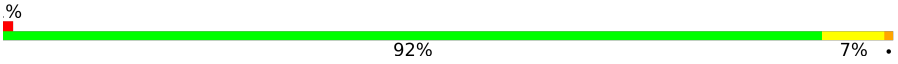
Chain 1o:

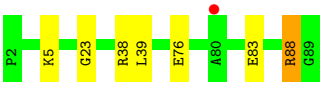




• Molecule 46: 30S ribosomal protein S15

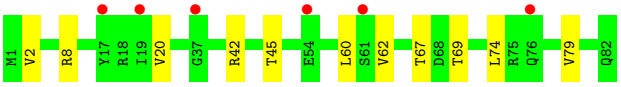
Chain 2o:



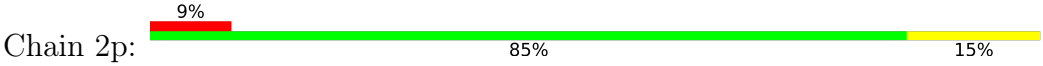


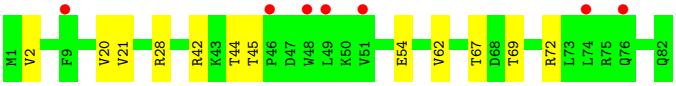
• Molecule 47: 30S ribosomal protein S16

Chain 1p:



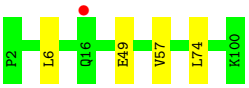
• Molecule 47: 30S ribosomal protein S16



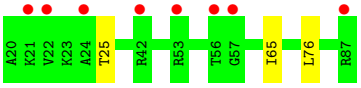


• Molecule 48: 30S ribosomal protein S17

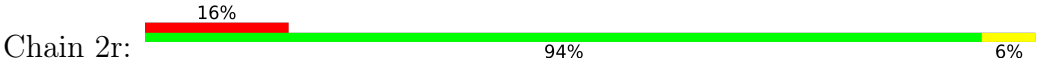
• Molecule 48: 30S ribosomal protein S17

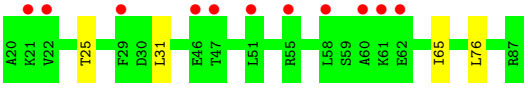


• Molecule 49: 30S ribosomal protein S18

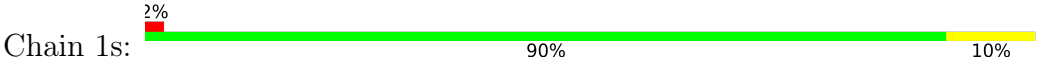


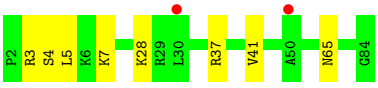
• Molecule 49: 30S ribosomal protein S18





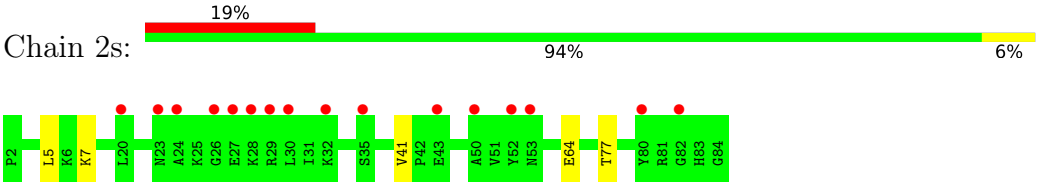
• Molecule 50: 30S ribosomal protein S19





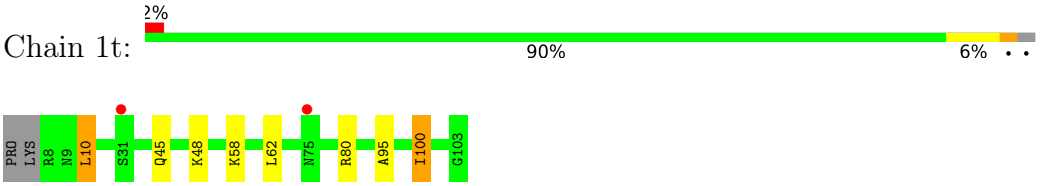
• Molecule 50: 30S ribosomal protein S19

Chain 2s:



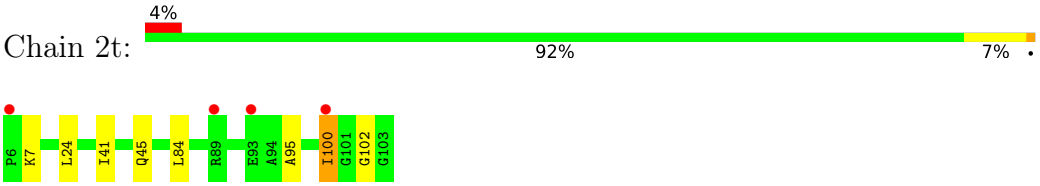
• Molecule 51: 30S ribosomal protein S20

Chain 1t:



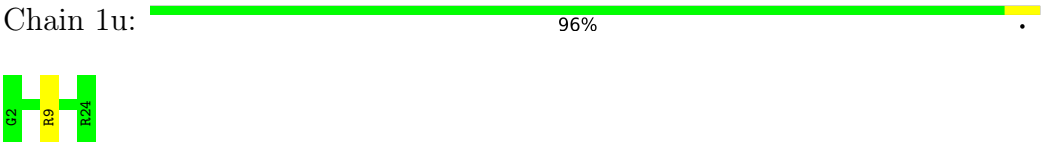
• Molecule 51: 30S ribosomal protein S20

Chain 2t:



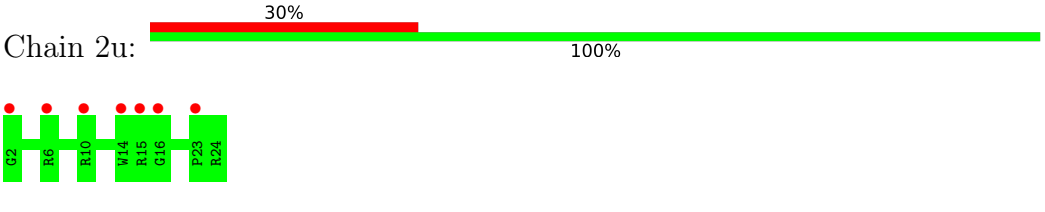
• Molecule 52: 30S ribosomal protein Thx

Chain 1u:



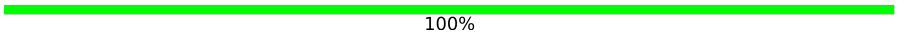
• Molecule 52: 30S ribosomal protein Thx

Chain 2u:



• Molecule 53: mRNA

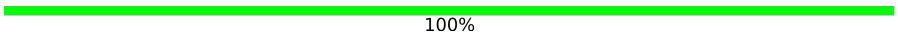
Chain 1v:



There are no outlier residues recorded for this chain.

• Molecule 53: mRNA

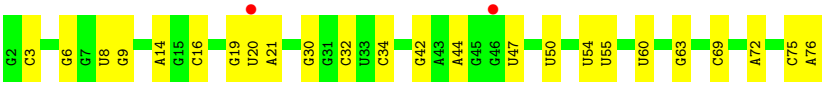
Chain 2v:



There are no outlier residues recorded for this chain.

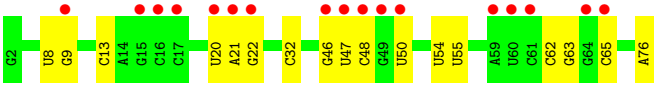
• Molecule 54: tRNAiMet

Chain 1x:



• Molecule 54: tRNAiMet

Chain 2x:

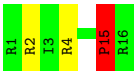


• Molecule 55: Cathelicidin-3

Chain 1y:

• Molecule 55: Cathelicidin-3

Chain 2y:



4 Data and refinement statistics (i)

Property	Value	Source
Space group	P 21 21 21	Depositor
Cell constants a, b, c, α, β, γ	209.96Å 450.13Å 622.82Å 90.00° 90.00° 90.00°	Depositor
Resolution (Å)	48.62 – 2.80 48.98 – 2.80	Depositor EDS
% Data completeness (in resolution range)	99.5 (48.62-2.80) 99.6 (48.98-2.80)	Depositor EDS
R_{merge}	0.51	Depositor
R_{sym}	(Not available)	Depositor
$< I/\sigma(I) >$ [1]	1.14 (at 2.81Å)	Xtriage
Refinement program	PHENIX	Depositor
R, R_{free}	0.249 , 0.292 0.248 , 0.291	Depositor DCC
R_{free} test set	70217 reflections (4.93%)	wwPDB-VP
Wilson B-factor (Å^2)	42.0	Xtriage
Anisotropy	0.182	Xtriage
Bulk solvent k_{sol}(e/Å^3), B_{sol}(Å^2)	0.29 , 48.2	EDS
L-test for twinning[2]	$< \|L\| > = 0.38$, $< L^2 > = 0.20$	Xtriage
Estimated twinning fraction	No twinning to report.	Xtriage
F_o,F_c correlation	0.84	EDS
Total number of atoms	296108	wwPDB-VP
Average B, all atoms (Å^2)	44.0	wwPDB-VP

Xtriage's analysis on translational NCS is as follows: *The largest off-origin peak in the Patterson function is 1.60% of the height of the origin peak. No significant pseudotranslation is detected.*

[1] Intensities estimated from amplitudes.

[2] Theoretical values of $< |L| >$, $< L^2 >$ for acentric reflections are 0.5, 0.333 respectively for untwinned datasets, and 0.375, 0.2 for perfectly twinned datasets.

5 Model quality (i)

5.1 Standard geometry (i)

Bond lengths and bond angles in the following residue types are not validated in this section: OMG, 4SU, 5MC, M2G, K, 7MG, MG, 2MG, UR3, 2MA, OMC, MA6, 4OC, 5MU, ZN, SF4, 0TD, PSU, OMU

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	0.54	0/69034	1.07	167/107758 (0.2%)
1	2A	0.44	0/68906	0.97	77/107556 (0.1%)
2	1B	0.46	0/2879	1.03	11/4490 (0.2%)
2	2B	0.41	0/2874	0.97	2/4482 (0.0%)
3	1D	0.39	0/2181	0.64	1/2940 (0.0%)
3	2D	0.34	0/2186	0.61	0/2944
4	1E	0.38	0/1592	0.61	0/2149
4	2E	0.34	0/1592	0.62	0/2149
5	1F	0.36	0/1619	0.60	0/2193
5	2F	0.32	0/1615	0.56	0/2188
6	1G	0.33	0/1451	0.61	0/1961
6	2G	0.31	0/1449	0.60	0/1957
7	1H	0.34	0/1356	0.55	0/1834
7	2H	0.31	0/1350	0.54	0/1826
8	1I	0.31	0/1109	0.62	0/1512
8	2I	0.29	0/1091	0.58	0/1490
9	1N	0.36	0/1148	0.60	0/1547
9	2N	0.30	0/1144	0.55	0/1543
10	1O	0.41	0/943	0.61	0/1269
10	2O	0.35	0/943	0.58	0/1269
11	1P	0.35	0/1152	0.62	0/1533
11	2P	0.31	0/1152	0.57	0/1533
12	1Q	0.44	1/1143 (0.1%)	0.64	2/1527 (0.1%)
12	2Q	0.32	0/1143	0.54	0/1527
13	1R	0.37	0/982	0.61	0/1312
13	2R	0.32	0/982	0.57	0/1312
14	1S	0.32	0/887	0.59	0/1180
14	2S	0.31	0/880	0.58	0/1172
15	1T	0.34	0/1105	0.60	0/1477
15	2T	0.32	0/1097	0.58	0/1468
16	1U	0.37	0/977	0.58	0/1301

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	#|Z| >5	RMSZ	#|Z| >5
16	2U	0.31	0/977	0.53	0/1301
17	1V	0.37	0/786	0.60	0/1053
17	2V	0.32	0/782	0.60	0/1049
18	1W	0.39	0/897	0.60	0/1205
18	2W	0.32	0/897	0.55	0/1205
19	1X	0.39	0/764	0.60	0/1025
19	2X	0.34	0/764	0.63	1/1025 (0.1%)
20	1Y	0.38	0/823	0.62	0/1099
20	2Y	0.33	0/823	0.63	0/1100
21	1Z	0.33	0/1620	0.57	0/2200
21	2Z	0.32	0/1590	0.58	0/2162
22	10	0.36	0/616	0.61	0/821
22	20	0.33	0/616	0.58	0/821
23	11	0.36	0/761	0.57	0/1013
23	21	0.33	0/766	0.56	0/1018
24	12	0.35	0/590	0.63	1/781 (0.1%)
24	22	0.31	0/594	0.53	0/785
25	13	0.35	0/474	0.57	0/635
25	23	0.30	0/469	0.53	0/630
26	14	0.35	0/559	0.68	0/754
26	24	0.37	0/549	0.67	0/741
27	15	0.39	0/473	0.63	0/639
27	25	0.31	0/469	0.61	1/635 (0.2%)
28	16	0.36	0/460	0.59	0/613
28	26	0.34	0/456	0.57	0/608
29	17	0.41	0/426	0.65	0/561
29	27	0.36	0/426	0.55	0/561
30	18	0.38	0/525	0.61	0/691
30	28	0.34	0/525	0.57	0/691
31	19	0.36	0/310	0.61	0/407
31	29	0.31	0/310	0.58	0/407
32	1a	0.41	0/35795	0.99	69/55864 (0.1%)
32	2a	0.40	1/35890 (0.0%)	1.00	91/56012 (0.2%)
33	1b	0.34	0/1876	0.63	0/2533
33	2b	0.33	0/1860	0.59	0/2518
34	1c	0.31	0/1582	0.57	0/2137
34	2c	0.31	0/1566	0.58	0/2119
35	1d	0.32	0/1695	0.60	0/2274
35	2d	0.29	0/1698	0.55	0/2277
36	1e	0.32	0/1149	0.58	0/1548
36	2e	0.32	0/1149	0.58	0/1548
37	1f	0.32	0/827	0.57	0/1120
37	2f	0.31	0/829	0.57	0/1123

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	#|Z| >5	RMSZ	#|Z| >5
38	1g	0.32	0/1254	0.55	0/1683
38	2g	0.29	0/1248	0.52	0/1676
39	1h	0.30	0/1118	0.58	0/1506
39	2h	0.30	0/1108	0.56	0/1494
40	1i	0.30	0/1005	0.58	0/1351
40	2i	0.32	0/985	0.57	0/1329
41	1j	0.32	0/732	0.58	0/993
41	2j	0.32	0/723	0.60	0/984
42	1k	0.33	0/849	0.59	0/1150
42	2k	0.36	0/848	0.61	0/1149
43	1l	0.31	0/937	0.56	0/1260
43	2l	0.31	0/937	0.61	0/1260
44	1m	0.29	0/924	0.60	0/1242
44	2m	0.31	0/905	0.58	0/1217
45	1n	0.31	0/501	0.55	0/664
45	2n	0.33	0/501	0.55	0/664
46	1o	0.31	0/739	0.58	0/985
46	2o	0.29	0/739	0.52	0/985
47	1p	0.30	0/697	0.56	0/939
47	2p	0.31	0/693	0.55	0/935
48	1q	0.32	0/836	0.60	0/1117
48	2q	0.31	0/836	0.56	0/1117
49	1r	0.30	0/560	0.56	0/746
49	2r	0.31	0/560	0.56	0/746
50	1s	0.30	0/663	0.61	0/895
50	2s	0.29	0/660	0.60	0/893
51	1t	0.31	0/734	0.57	0/969
51	2t	0.29	0/736	0.54	0/976
52	1u	0.28	0/203	0.57	0/266
52	2u	0.30	0/203	0.57	0/266
53	1v	0.45	0/72	0.91	0/110
53	2v	0.48	0/72	1.04	0/110
54	1x	0.42	0/1725	0.94	0/2689
54	2x	0.40	0/1725	0.96	3/2689 (0.1%)
55	1y	0.37	0/152	0.83	1/203 (0.5%)
55	2y	0.33	0/152	0.87	1/203 (0.5%)
All	All	0.43	2/312307 (0.0%)	0.92	428/467169 (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
26	24	0	1
33	1b	0	1
55	1y	0	1
55	2y	0	1
All	All	0	4

All (2) bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
12	1Q	41	TRP	NE1-CE2	6.34	1.45	1.37
32	2a	1034	G	N9-C4	5.00	1.42	1.38

The worst 5 of 428 bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
32	2a	1208	C	O5'-P-OP1	-31.64	72.74	110.70
32	1a	1520	G	O5'-P-OP1	-30.14	74.54	110.70
32	2a	1208	C	OP1-P-OP2	-27.27	78.69	119.60
32	1a	1520	G	OP1-P-OP2	-26.36	80.06	119.60
32	1a	1520	G	O5'-P-OP2	19.44	134.03	110.70

There are no chirality outliers.

All (4) planarity outliers are listed below:

Mol	Chain	Res	Type	Group
33	1b	231	GLU	Peptide
55	1y	15	PRO	Mainchain
26	24	59	PHE	Peptide
55	2y	15	PRO	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	273/275 (99%)	259 (95%)	13 (5%)	1 (0%)	34	66
3	2D	273/275 (99%)	261 (96%)	12 (4%)	0	100	100
4	1E	202/204 (99%)	193 (96%)	8 (4%)	1 (0%)	29	61
4	2E	202/204 (99%)	192 (95%)	9 (4%)	1 (0%)	29	61
5	1F	201/203 (99%)	196 (98%)	5 (2%)	0	100	100
5	2F	201/203 (99%)	192 (96%)	8 (4%)	1 (0%)	29	61
6	1G	179/181 (99%)	161 (90%)	16 (9%)	2 (1%)	14	41
6	2G	179/181 (99%)	164 (92%)	14 (8%)	1 (1%)	25	56
7	1H	172/174 (99%)	161 (94%)	11 (6%)	0	100	100
7	2H	171/174 (98%)	161 (94%)	10 (6%)	0	100	100
8	1I	145/147 (99%)	130 (90%)	12 (8%)	3 (2%)	7	23
8	2I	144/147 (98%)	131 (91%)	13 (9%)	0	100	100
9	1N	138/140 (99%)	135 (98%)	3 (2%)	0	100	100
9	2N	138/140 (99%)	136 (99%)	2 (1%)	0	100	100
10	1O	120/122 (98%)	113 (94%)	6 (5%)	1 (1%)	19	49
10	2O	120/122 (98%)	113 (94%)	6 (5%)	1 (1%)	19	49
11	1P	147/149 (99%)	137 (93%)	10 (7%)	0	100	100
11	2P	147/149 (99%)	138 (94%)	9 (6%)	0	100	100
12	1Q	139/141 (99%)	133 (96%)	6 (4%)	0	100	100
12	2Q	139/141 (99%)	133 (96%)	6 (4%)	0	100	100
13	1R	116/118 (98%)	110 (95%)	6 (5%)	0	100	100
13	2R	116/118 (98%)	109 (94%)	7 (6%)	0	100	100
14	1S	108/110 (98%)	102 (94%)	5 (5%)	1 (1%)	17	46
14	2S	108/110 (98%)	103 (95%)	5 (5%)	0	100	100
15	1T	129/131 (98%)	122 (95%)	7 (5%)	0	100	100
15	2T	129/131 (98%)	123 (95%)	6 (5%)	0	100	100
16	1U	114/116 (98%)	112 (98%)	2 (2%)	0	100	100
16	2U	114/116 (98%)	112 (98%)	2 (2%)	0	100	100
17	1V	99/101 (98%)	95 (96%)	3 (3%)	1 (1%)	15	44
17	2V	99/101 (98%)	95 (96%)	3 (3%)	1 (1%)	15	44

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
18	1W	110/112 (98%)	106 (96%)	4 (4%)	0	100	100
18	2W	110/112 (98%)	108 (98%)	2 (2%)	0	100	100
19	1X	93/95 (98%)	90 (97%)	2 (2%)	1 (1%)	14	41
19	2X	93/95 (98%)	88 (95%)	4 (4%)	1 (1%)	14	41
20	1Y	105/107 (98%)	98 (93%)	7 (7%)	0	100	100
20	2Y	105/107 (98%)	100 (95%)	5 (5%)	0	100	100
21	1Z	201/203 (99%)	186 (92%)	15 (8%)	0	100	100
21	2Z	199/203 (98%)	184 (92%)	15 (8%)	0	100	100
22	10	75/77 (97%)	70 (93%)	5 (7%)	0	100	100
22	20	75/77 (97%)	70 (93%)	5 (7%)	0	100	100
23	11	95/97 (98%)	94 (99%)	1 (1%)	0	100	100
23	21	95/97 (98%)	93 (98%)	1 (1%)	1 (1%)	14	41
24	12	68/70 (97%)	66 (97%)	2 (3%)	0	100	100
24	22	68/70 (97%)	66 (97%)	2 (3%)	0	100	100
25	13	57/59 (97%)	55 (96%)	2 (4%)	0	100	100
25	23	57/59 (97%)	54 (95%)	3 (5%)	0	100	100
26	14	67/69 (97%)	55 (82%)	8 (12%)	4 (6%)	1	4
26	24	67/69 (97%)	52 (78%)	14 (21%)	1 (2%)	10	33
27	15	57/59 (97%)	54 (95%)	3 (5%)	0	100	100
27	25	57/59 (97%)	54 (95%)	3 (5%)	0	100	100
28	16	51/53 (96%)	49 (96%)	2 (4%)	0	100	100
28	26	51/53 (96%)	49 (96%)	2 (4%)	0	100	100
29	17	46/48 (96%)	44 (96%)	2 (4%)	0	100	100
29	27	46/48 (96%)	44 (96%)	2 (4%)	0	100	100
30	18	62/64 (97%)	60 (97%)	2 (3%)	0	100	100
30	28	62/64 (97%)	59 (95%)	3 (5%)	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	229/231 (99%)	201 (88%)	20 (9%)	8 (4%)	3	12
33	2b	229/231 (99%)	198 (86%)	24 (10%)	7 (3%)	4	14
34	1c	204/206 (99%)	185 (91%)	17 (8%)	2 (1%)	15	44

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles
34	2c	204/206 (99%)	186 (91%)	16 (8%)	2 (1%)	15 44
35	1d	206/208 (99%)	188 (91%)	18 (9%)	0	100 100
35	2d	206/208 (99%)	188 (91%)	18 (9%)	0	100 100
36	1e	146/148 (99%)	138 (94%)	6 (4%)	2 (1%)	11 34
36	2e	146/148 (99%)	139 (95%)	7 (5%)	0	100 100
37	1f	98/100 (98%)	92 (94%)	6 (6%)	0	100 100
37	2f	98/100 (98%)	92 (94%)	6 (6%)	0	100 100
38	1g	153/155 (99%)	148 (97%)	5 (3%)	0	100 100
38	2g	153/155 (99%)	145 (95%)	7 (5%)	1 (1%)	22 53
39	1h	135/137 (98%)	130 (96%)	5 (4%)	0	100 100
39	2h	135/137 (98%)	129 (96%)	6 (4%)	0	100 100
40	1i	125/127 (98%)	112 (90%)	12 (10%)	1 (1%)	19 49
40	2i	124/127 (98%)	109 (88%)	13 (10%)	2 (2%)	9 31
41	1j	95/97 (98%)	82 (86%)	10 (10%)	3 (3%)	4 13
41	2j	94/97 (97%)	83 (88%)	9 (10%)	2 (2%)	7 23
42	1k	112/114 (98%)	100 (89%)	12 (11%)	0	100 100
42	2k	112/114 (98%)	100 (89%)	12 (11%)	0	100 100
43	1l	119/122 (98%)	114 (96%)	5 (4%)	0	100 100
43	2l	119/122 (98%)	115 (97%)	4 (3%)	0	100 100
44	1m	114/116 (98%)	102 (90%)	9 (8%)	3 (3%)	5 18
44	2m	112/116 (97%)	96 (86%)	13 (12%)	3 (3%)	5 17
45	1n	58/60 (97%)	54 (93%)	4 (7%)	0	100 100
45	2n	58/60 (97%)	54 (93%)	4 (7%)	0	100 100
46	1o	86/88 (98%)	84 (98%)	2 (2%)	0	100 100
46	2o	86/88 (98%)	81 (94%)	3 (4%)	2 (2%)	6 21
47	1p	80/82 (98%)	77 (96%)	3 (4%)	0	100 100
47	2p	80/82 (98%)	76 (95%)	4 (5%)	0	100 100
48	1q	97/99 (98%)	89 (92%)	7 (7%)	1 (1%)	15 44
48	2q	97/99 (98%)	90 (93%)	6 (6%)	1 (1%)	15 44
49	1r	66/68 (97%)	60 (91%)	5 (8%)	1 (2%)	10 33
49	2r	66/68 (97%)	61 (92%)	4 (6%)	1 (2%)	10 33

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles
50	1s	81/83 (98%)	72 (89%)	8 (10%)	1 (1%)	13 39
50	2s	81/83 (98%)	73 (90%)	7 (9%)	1 (1%)	13 39
51	1t	94/98 (96%)	85 (90%)	6 (6%)	3 (3%)	4 13
51	2t	96/98 (98%)	87 (91%)	5 (5%)	4 (4%)	3 9
52	1u	21/23 (91%)	19 (90%)	2 (10%)	0	100 100
52	2u	21/23 (91%)	19 (90%)	2 (10%)	0	100 100
55	1y	14/16 (88%)	13 (93%)	0	1 (7%)	1 2
55	2y	14/16 (88%)	13 (93%)	0	1 (7%)	1 2
All	All	11468/11680 (98%)	10719 (94%)	673 (6%)	76 (1%)	22 53

5 of 76 Ramachandran outliers are listed below:

Mol	Chain	Res	Type
8	1I	11	ASN
14	1S	59	LYS
33	1b	17	PHE
33	1b	21	ARG
33	1b	37	ASN

5.3.2 Protein sidechains (i)

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

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

Mol	Chain	Analysed	Rotameric	Outliers	Percentiles
3	1D	214/217 (99%)	193 (90%)	21 (10%)	8 24
3	2D	215/217 (99%)	197 (92%)	18 (8%)	11 31
4	1E	164/165 (99%)	146 (89%)	18 (11%)	6 19
4	2E	164/165 (99%)	148 (90%)	16 (10%)	8 24
5	1F	160/161 (99%)	149 (93%)	11 (7%)	15 41
5	2F	159/161 (99%)	151 (95%)	8 (5%)	24 56
6	1G	144/155 (93%)	134 (93%)	10 (7%)	15 41
6	2G	142/155 (92%)	129 (91%)	13 (9%)	9 27

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles
7	1H	144/145 (99%)	133 (92%)	11 (8%)	13 36
7	2H	143/145 (99%)	131 (92%)	12 (8%)	11 31
8	1I	111/123 (90%)	101 (91%)	10 (9%)	9 28
8	2I	108/123 (88%)	93 (86%)	15 (14%)	3 11
9	1N	119/119 (100%)	110 (92%)	9 (8%)	13 36
9	2N	118/119 (99%)	104 (88%)	14 (12%)	5 16
10	1O	100/100 (100%)	94 (94%)	6 (6%)	19 48
10	2O	100/100 (100%)	97 (97%)	3 (3%)	41 75
11	1P	115/116 (99%)	107 (93%)	8 (7%)	15 40
11	2P	115/116 (99%)	108 (94%)	7 (6%)	18 48
12	1Q	111/111 (100%)	102 (92%)	9 (8%)	11 33
12	2Q	111/111 (100%)	104 (94%)	7 (6%)	18 46
13	1R	101/101 (100%)	91 (90%)	10 (10%)	8 23
13	2R	101/101 (100%)	93 (92%)	8 (8%)	12 34
14	1S	87/87 (100%)	83 (95%)	4 (5%)	27 60
14	2S	85/87 (98%)	79 (93%)	6 (7%)	14 39
15	1T	115/115 (100%)	110 (96%)	5 (4%)	29 62
15	2T	113/115 (98%)	104 (92%)	9 (8%)	12 34
16	1U	93/93 (100%)	86 (92%)	7 (8%)	13 37
16	2U	93/93 (100%)	89 (96%)	4 (4%)	29 62
17	1V	81/82 (99%)	70 (86%)	11 (14%)	3 11
17	2V	80/82 (98%)	73 (91%)	7 (9%)	10 29
18	1W	90/91 (99%)	85 (94%)	5 (6%)	21 51
18	2W	90/91 (99%)	85 (94%)	5 (6%)	21 51
19	1X	77/77 (100%)	75 (97%)	2 (3%)	46 79
19	2X	77/77 (100%)	73 (95%)	4 (5%)	23 55
20	1Y	86/88 (98%)	81 (94%)	5 (6%)	20 50
20	2Y	86/88 (98%)	83 (96%)	3 (4%)	36 70
21	1Z	169/176 (96%)	149 (88%)	20 (12%)	5 16
21	2Z	165/176 (94%)	152 (92%)	13 (8%)	12 34
22	10	61/62 (98%)	56 (92%)	5 (8%)	11 33

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles
22	20	61/62 (98%)	59 (97%)	2 (3%)	38 72
23	11	79/82 (96%)	74 (94%)	5 (6%)	18 46
23	21	81/82 (99%)	75 (93%)	6 (7%)	13 37
24	12	65/66 (98%)	61 (94%)	4 (6%)	18 47
24	22	66/66 (100%)	61 (92%)	5 (8%)	13 36
25	13	51/51 (100%)	48 (94%)	3 (6%)	19 49
25	23	50/51 (98%)	47 (94%)	3 (6%)	19 48
26	14	58/62 (94%)	52 (90%)	6 (10%)	7 21
26	24	54/62 (87%)	48 (89%)	6 (11%)	6 19
27	15	51/51 (100%)	48 (94%)	3 (6%)	19 49
27	25	50/51 (98%)	49 (98%)	1 (2%)	55 84
28	16	51/51 (100%)	50 (98%)	1 (2%)	55 84
28	26	50/51 (98%)	45 (90%)	5 (10%)	7 22
29	17	41/41 (100%)	39 (95%)	2 (5%)	25 57
29	27	41/41 (100%)	40 (98%)	1 (2%)	49 81
30	18	54/54 (100%)	49 (91%)	5 (9%)	9 26
30	28	54/54 (100%)	48 (89%)	6 (11%)	6 19
31	19	34/34 (100%)	33 (97%)	1 (3%)	42 76
31	29	34/34 (100%)	34 (100%)	0	100 100
33	1b	191/199 (96%)	169 (88%)	22 (12%)	5 17
33	2b	187/199 (94%)	167 (89%)	20 (11%)	6 20
34	1c	144/160 (90%)	135 (94%)	9 (6%)	18 46
34	2c	140/160 (88%)	131 (94%)	9 (6%)	17 45
35	1d	171/180 (95%)	161 (94%)	10 (6%)	20 50
35	2d	172/180 (96%)	159 (92%)	13 (8%)	13 36
36	1e	114/114 (100%)	106 (93%)	8 (7%)	15 40
36	2e	114/114 (100%)	105 (92%)	9 (8%)	12 34
37	1f	85/90 (94%)	82 (96%)	3 (4%)	36 70
37	2f	85/90 (94%)	75 (88%)	10 (12%)	5 16
38	1g	120/126 (95%)	108 (90%)	12 (10%)	7 22
38	2g	119/126 (94%)	111 (93%)	8 (7%)	16 43

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles
39	1h	116/118 (98%)	112 (97%)	4 (3%)	37 71
39	2h	114/118 (97%)	108 (95%)	6 (5%)	22 54
40	1i	91/98 (93%)	80 (88%)	11 (12%)	5 15
40	2i	88/98 (90%)	75 (85%)	13 (15%)	3 9
41	1j	68/87 (78%)	61 (90%)	7 (10%)	7 21
41	2j	68/87 (78%)	62 (91%)	6 (9%)	10 29
42	1k	83/86 (96%)	78 (94%)	5 (6%)	19 48
42	2k	83/86 (96%)	78 (94%)	5 (6%)	19 48
43	1l	96/102 (94%)	92 (96%)	4 (4%)	30 63
43	2l	96/102 (94%)	90 (94%)	6 (6%)	18 46
44	1m	90/94 (96%)	84 (93%)	6 (7%)	16 43
44	2m	87/94 (93%)	80 (92%)	7 (8%)	12 34
45	1n	49/49 (100%)	43 (88%)	6 (12%)	5 15
45	2n	49/49 (100%)	46 (94%)	3 (6%)	18 48
46	1o	78/79 (99%)	74 (95%)	4 (5%)	24 55
46	2o	78/79 (99%)	72 (92%)	6 (8%)	13 35
47	1p	69/71 (97%)	58 (84%)	11 (16%)	2 7
47	2p	68/71 (96%)	56 (82%)	12 (18%)	2 5
48	1q	94/94 (100%)	92 (98%)	2 (2%)	53 84
48	2q	94/94 (100%)	91 (97%)	3 (3%)	39 73
49	1r	59/59 (100%)	57 (97%)	2 (3%)	37 71
49	2r	59/59 (100%)	56 (95%)	3 (5%)	24 55
50	1s	68/72 (94%)	61 (90%)	7 (10%)	7 21
50	2s	67/72 (93%)	63 (94%)	4 (6%)	19 48
51	1t	71/76 (93%)	64 (90%)	7 (10%)	8 23
51	2t	70/76 (92%)	65 (93%)	5 (7%)	14 39
52	1u	18/18 (100%)	17 (94%)	1 (6%)	21 51
52	2u	18/18 (100%)	18 (100%)	0	100 100
55	1y	16/16 (100%)	13 (81%)	3 (19%)	1 5
55	2y	16/16 (100%)	14 (88%)	2 (12%)	4 14
All	All	9395/9728 (97%)	8677 (92%)	718 (8%)	13 36

5 of 718 residues with a non-rotameric sidechain are listed below:

Mol	Chain	Res	Type
11	2P	76	LYS
33	2b	58	ILE
13	2R	44	LEU
11	2P	59	LEU
21	2Z	31	ARG

Sometimes sidechains can be flipped to improve hydrogen bonding and reduce clashes. 5 of 96 such sidechains are listed below:

Mol	Chain	Res	Type
21	2Z	121	HIS
35	2d	119	GLN
23	21	19	GLN
33	2b	135	GLN
35	2d	201	GLN

5.3.3 RNA (i)

Mol	Chain	Analysed	Backbone Outliers	Pucker Outliers
1	1A	2864/2915 (98%)	407 (14%)	38 (1%)
1	2A	2857/2915 (98%)	408 (14%)	33 (1%)
2	1B	119/120 (99%)	5 (4%)	0
2	2B	118/120 (98%)	6 (5%)	0
32	1a	1494/1520 (98%)	208 (13%)	0
32	2a	1498/1520 (98%)	220 (14%)	0
53	1v	2/3 (66%)	0	0
53	2v	2/3 (66%)	0	0
54	1x	75/76 (98%)	20 (26%)	0
54	2x	75/76 (98%)	10 (13%)	0
All	All	9104/9268 (98%)	1284 (14%)	71 (0%)

5 of 1284 RNA backbone outliers are listed below:

Mol	Chain	Res	Type
1	1A	12	U
1	1A	34	C
1	1A	45	C
1	1A	70	A
1	1A	73	A

5 of 71 RNA pucker outliers are listed below:

Mol	Chain	Res	Type
1	2A	1442	G
1	2A	1608	A
1	2A	2406	U
1	1A	1221	G
1	1A	1220	U

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

56 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	$\#\|Z\| > 2$
43	0TD	1l	92	43	7,9,10	2.23	2 (28%)	6,11,13	2.83	4 (66%)
32	4OC	1a	1402	32	20,23,24	2.47	8 (40%)	26,32,35	0.97	2 (7%)
1	OMU	1A	2564	1,56	19,22,23	6.67	10 (52%)	26,31,34	2.34	7 (26%)
43	0TD	2l	92	43	7,9,10	1.97	1 (14%)	6,11,13	2.86	4 (66%)
32	5MC	1a	1404	32	18,22,23	0.98	1 (5%)	26,32,35	1.16	4 (15%)
32	7MG	1a	527	56,32	22,26,27	2.33	7 (31%)	29,39,42	1.94	9 (31%)
32	MA6	1a	1518	32	19,26,27	1.01	2 (10%)	18,38,41	4.93	3 (16%)
1	5MC	2A	1962	1,56	18,22,23	1.07	2 (11%)	26,32,35	1.13	3 (11%)
1	5MC	2A	1942	1	18,22,23	1.08	1 (5%)	26,32,35	1.32	5 (19%)
32	5MC	2a	1404	32	18,22,23	0.93	1 (5%)	26,32,35	1.27	5 (19%)
54	PSU	1x	55	54	18,21,22	1.51	3 (16%)	22,30,33	1.50	1 (4%)
1	2MA	2A	2503	1,56	17,25,26	1.85	4 (23%)	17,37,40	1.36	3 (17%)
32	MA6	2a	1518	32	19,26,27	1.04	1 (5%)	18,38,41	5.11	3 (16%)
1	PSU	1A	2617	1	18,21,22	1.16	1 (5%)	22,30,33	1.53	4 (18%)
32	2MG	2a	1207	32	18,26,27	1.83	4 (22%)	16,38,41	1.18	2 (12%)
32	5MC	1a	1400	32	18,22,23	0.91	0	26,32,35	1.26	4 (15%)
32	MA6	2a	1519	32	19,26,27	0.97	1 (5%)	18,38,41	5.18	3 (16%)
32	M2G	1a	966	32	20,27,28	3.08	6 (30%)	22,40,43	1.29	4 (18%)
54	5MU	1x	54	54	19,22,23	0.86	1 (5%)	28,32,35	1.14	2 (7%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
1	5MU	1A	1937	1	19,22,23	1.15	1 (5%)	28,32,35	1.48	5 (17%)
32	5MC	2a	1407	32	18,22,23	1.13	3 (16%)	26,32,35	1.16	3 (11%)
1	PSU	2A	2605	1	18,21,22	1.01	2 (11%)	22,30,33	1.56	3 (13%)
1	OMU	2A	2552	1,56	19,22,23	6.66	10 (52%)	26,31,34	2.28	7 (26%)
1	5MC	1A	1964	1,56	18,22,23	0.94	1 (5%)	26,32,35	1.30	3 (11%)
32	UR3	1a	1498	32	19,22,23	2.02	3 (15%)	26,32,35	1.51	3 (11%)
1	PSU	1A	1939	1,56	18,21,22	1.40	3 (16%)	22,30,33	1.53	3 (13%)
32	4OC	2a	1402	32	20,23,24	2.51	8 (40%)	26,32,35	1.58	3 (11%)
54	4SU	1x	8	54	18,21,22	1.19	1 (5%)	26,30,33	0.89	1 (3%)
32	5MC	1a	1407	32	18,22,23	1.07	1 (5%)	26,32,35	1.33	5 (19%)
32	7MG	2a	527	32	22,26,27	2.46	7 (31%)	29,39,42	1.86	8 (27%)
1	5MC	1A	1984	1,56	18,22,23	1.01	1 (5%)	26,32,35	1.39	5 (19%)
1	OMC	2A	1920	1	19,22,23	2.48	7 (36%)	26,31,34	0.94	1 (3%)
1	5MU	2A	1939	1	19,22,23	1.05	2 (10%)	28,32,35	1.24	3 (10%)
32	M2G	2a	966	32	20,27,28	3.29	6 (30%)	22,40,43	1.30	4 (18%)
54	5MC	2x	32	54	18,22,23	1.09	2 (11%)	26,32,35	1.22	4 (15%)
54	5MU	2x	54	54	19,22,23	0.97	2 (10%)	28,32,35	1.07	2 (7%)
1	5MU	1A	1961	1	19,22,23	0.71	0	28,32,35	1.14	4 (14%)
1	OMG	2A	2251	1,54	18,26,27	1.85	5 (27%)	19,38,41	1.60	4 (21%)
1	PSU	1A	1933	1	18,21,22	1.10	2 (11%)	22,30,33	1.65	4 (18%)
32	MA6	1a	1519	32	19,26,27	0.98	2 (10%)	18,38,41	5.30	3 (16%)
32	UR3	2a	1498	32	19,22,23	2.05	4 (21%)	26,32,35	1.34	3 (11%)
54	4SU	2x	8	54	18,21,22	1.24	3 (16%)	26,30,33	1.07	1 (3%)
54	5MC	1x	32	54	18,22,23	1.13	3 (16%)	26,32,35	1.28	3 (11%)
32	5MC	2a	967	32	18,22,23	0.88	0	26,32,35	1.31	4 (15%)
1	PSU	2A	1911	1	18,21,22	1.32	3 (16%)	22,30,33	1.59	2 (9%)
1	5MU	2A	1915	1	19,22,23	1.25	2 (10%)	28,32,35	1.36	4 (14%)
1	2MA	1A	2515	1,56	17,25,26	1.82	4 (23%)	17,37,40	1.50	3 (17%)
32	5MC	2a	1400	32	18,22,23	1.08	1 (5%)	26,32,35	1.27	4 (15%)
1	OMC	1A	1942	1	19,22,23	2.45	7 (36%)	26,31,34	0.91	1 (3%)
1	PSU	2A	1917	1	18,21,22	1.32	3 (16%)	22,30,33	1.53	3 (13%)
32	2MG	1a	1207	32	18,26,27	1.94	5 (27%)	16,38,41	1.63	4 (25%)
32	5MC	1a	967	32	18,22,23	1.14	2 (11%)	26,32,35	1.22	4 (15%)
32	PSU	2a	516	32	18,21,22	1.34	3 (16%)	22,30,33	1.92	5 (22%)
1	OMG	1A	2263	1,54	18,26,27	1.88	7 (38%)	19,38,41	1.59	5 (26%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
32	PSU	1a	516	32	18,21,22	1.47	3 (16%)	22,30,33	2.31	6 (27%)
54	PSU	2x	55	56,54	18,21,22	1.53	3 (16%)	22,30,33	1.55	4 (18%)

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
43	0TD	1l	92	43	-	2/7/12/14	-
32	4OC	1a	1402	32	-	2/9/29/30	0/2/2/2
1	OMU	1A	2564	1,56	-	0/9/27/28	0/2/2/2
43	0TD	2l	92	43	-	5/7/12/14	-
32	5MC	1a	1404	32	-	0/7/25/26	0/2/2/2
32	7MG	1a	527	56,32	-	2/7/37/38	0/3/3/3
32	MA6	1a	1518	32	-	0/7/29/30	0/3/3/3
1	5MC	2A	1962	1,56	-	0/7/25/26	0/2/2/2
1	5MC	2A	1942	1	-	0/7/25/26	0/2/2/2
32	5MC	2a	1404	32	-	0/7/25/26	0/2/2/2
54	PSU	1x	55	54	-	0/7/25/26	0/2/2/2
1	2MA	2A	2503	1,56	-	2/3/25/26	0/3/3/3
32	MA6	2a	1518	32	-	0/7/29/30	0/3/3/3
1	PSU	1A	2617	1	-	0/7/25/26	0/2/2/2
32	2MG	2a	1207	32	-	0/5/27/28	0/3/3/3
32	5MC	1a	1400	32	-	2/7/25/26	0/2/2/2
32	MA6	2a	1519	32	-	2/7/29/30	0/3/3/3
32	M2G	1a	966	32	-	0/7/29/30	0/3/3/3
54	5MU	1x	54	54	-	0/7/25/26	0/2/2/2
1	5MU	1A	1937	1	-	2/7/25/26	0/2/2/2
32	5MC	2a	1407	32	-	0/7/25/26	0/2/2/2
1	PSU	2A	2605	1	-	0/7/25/26	0/2/2/2
1	OMU	2A	2552	1,56	-	1/9/27/28	0/2/2/2
1	5MC	1A	1964	1,56	-	0/7/25/26	0/2/2/2
32	UR3	1a	1498	32	-	0/7/25/26	0/2/2/2
1	PSU	1A	1939	1,56	-	0/7/25/26	0/2/2/2
32	4OC	2a	1402	32	-	2/9/29/30	0/2/2/2
54	4SU	1x	8	54	-	0/7/25/26	0/2/2/2
32	5MC	1a	1407	32	-	0/7/25/26	0/2/2/2
32	7MG	2a	527	32	-	2/7/37/38	0/3/3/3
1	5MC	1A	1984	1,56	-	0/7/25/26	0/2/2/2

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
1	OMC	2A	1920	1	-	0/9/27/28	0/2/2/2
1	5MU	2A	1939	1	-	0/7/25/26	0/2/2/2
32	M2G	2a	966	32	-	0/7/29/30	0/3/3/3
54	5MC	2x	32	54	-	0/7/25/26	0/2/2/2
54	5MU	2x	54	54	-	0/7/25/26	0/2/2/2
1	5MU	1A	1961	1	-	0/7/25/26	0/2/2/2
1	OMG	2A	2251	1,54	-	1/5/27/28	0/3/3/3
1	PSU	1A	1933	1	-	0/7/25/26	0/2/2/2
32	MA6	1a	1519	32	-	4/7/29/30	0/3/3/3
32	UR3	2a	1498	32	-	0/7/25/26	0/2/2/2
54	4SU	2x	8	54	-	0/7/25/26	0/2/2/2
54	5MC	1x	32	54	-	0/7/25/26	0/2/2/2
32	5MC	2a	967	32	-	0/7/25/26	0/2/2/2
1	PSU	2A	1911	1	-	0/7/25/26	0/2/2/2
1	5MU	2A	1915	1	-	5/7/25/26	0/2/2/2
1	2MA	1A	2515	1,56	-	1/3/25/26	0/3/3/3
32	5MC	2a	1400	32	-	2/7/25/26	0/2/2/2
1	OMC	1A	1942	1	-	1/9/27/28	0/2/2/2
1	PSU	2A	1917	1	-	0/7/25/26	0/2/2/2
32	2MG	1a	1207	32	-	0/5/27/28	0/3/3/3
32	5MC	1a	967	32	-	2/7/25/26	0/2/2/2
32	PSU	2a	516	32	-	1/7/25/26	0/2/2/2
1	OMG	1A	2263	1,54	-	2/5/27/28	0/3/3/3
32	PSU	1a	516	32	-	1/7/25/26	0/2/2/2
54	PSU	2x	55	56,54	-	0/7/25/26	0/2/2/2

The worst 5 of 178 bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	1A	2564	OMU	C5-C4	15.74	1.78	1.43
1	2A	2552	OMU	C5-C4	15.47	1.77	1.43
1	2A	2552	OMU	C4-N3	-14.70	1.12	1.38
1	1A	2564	OMU	C4-N3	-14.50	1.12	1.38
32	2a	966	M2G	C2-N3	12.15	1.45	1.30

The worst 5 of 206 bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
32	1a	1519	MA6	N1-C6-N6	-20.95	95.00	117.06
32	2a	1519	MA6	N1-C6-N6	-20.61	95.36	117.06
32	2a	1518	MA6	N1-C6-N6	-20.06	95.95	117.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
32	1a	1518	MA6	N1-C6-N6	-19.20	96.85	117.06
32	1a	516	PSU	C6-C5-C4	8.15	123.89	118.20

There are no chirality outliers.

5 of 44 torsion outliers are listed below:

Mol	Chain	Res	Type	Atoms
1	1A	1937	5MU	O4'-C1'-N1-C2
1	1A	1937	5MU	O4'-C1'-N1-C6
1	1A	2263	OMG	C1'-C2'-O2'-CM2
32	1a	967	5MC	O4'-C4'-C5'-O5'
32	1a	967	5MC	C3'-C4'-C5'-O5'

There are no ring outliers.

No monomer is involved in short contacts.

5.5 Carbohydrates (i)

There are no monosaccharides in this entry.

5.6 Ligand geometry (i)

Of 2719 ligands modelled in this entry, 2717 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	$\#\|Z\| > 2$
58	SF4	1d	501	35	0,12,12	-	-	-		
58	SF4	2d	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
58	SF4	1d	501	35	-	-	0/6/5/5
58	SF4	2d	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, 95^{th} percentile and maximum values of the occupancy-weighted average B-factor per residue. The column labelled 'Q< 0.9' lists the number of (and percentage) of residues with an average occupancy less than 0.9.

Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å^2)	Q<0.9
1	1A	2861/2915 (98%)	0.58	252 (8%) 10 5	6, 22, 80, 93	0
1	2A	2856/2915 (97%)	0.72	286 (10%) 7 4	19, 41, 80, 92	0
2	1B	120/120 (100%)	0.26	2 (1%) 70 63	18, 35, 49, 69	0
2	2B	120/120 (100%)	0.76	11 (9%) 9 5	43, 60, 69, 73	0
3	1D	275/275 (100%)	-0.24	0 100 100	7, 23, 36, 52	0
3	2D	275/275 (100%)	-0.09	0 100 100	19, 36, 47, 63	0
4	1E	204/204 (100%)	-0.17	0 100 100	7, 29, 47, 56	0
4	2E	204/204 (100%)	-0.00	1 (0%) 91 88	19, 41, 55, 63	0
5	1F	203/203 (100%)	-0.14	3 (1%) 73 68	7, 28, 53, 70	0
5	2F	203/203 (100%)	0.02	1 (0%) 91 88	24, 50, 63, 73	0
6	1G	181/181 (100%)	-0.07	0 100 100	28, 44, 55, 69	0
6	2G	181/181 (100%)	0.84	31 (17%) 1 1	56, 65, 74, 77	0
7	1H	174/174 (100%)	-0.09	0 100 100	23, 38, 49, 54	0
7	2H	173/174 (99%)	0.98	34 (19%) 1 0	50, 62, 69, 71	0
8	1I	147/147 (100%)	0.52	9 (6%) 21 13	31, 54, 66, 70	0
8	2I	146/147 (99%)	0.58	14 (9%) 8 4	39, 58, 68, 76	0
9	1N	140/140 (100%)	-0.20	1 (0%) 87 84	14, 26, 44, 58	0
9	2N	140/140 (100%)	0.02	2 (1%) 75 70	28, 47, 59, 63	0
10	1O	122/122 (100%)	-0.15	0 100 100	14, 26, 41, 49	0
10	2O	122/122 (100%)	-0.00	1 (0%) 86 81	30, 40, 51, 56	0
11	1P	149/149 (100%)	0.14	3 (2%) 65 56	7, 32, 48, 64	0
11	2P	149/149 (100%)	0.42	7 (4%) 31 22	24, 50, 64, 71	0
12	1Q	141/141 (100%)	-0.11	0 100 100	14, 26, 42, 59	0
12	2Q	141/141 (100%)	0.01	1 (0%) 87 84	31, 47, 57, 65	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å^2)	Q<0.9
13	1R	118/118 (100%)	-0.21	0 100 100	14, 22, 36, 47	0
13	2R	118/118 (100%)	-0.13	0 100 100	25, 37, 46, 55	0
14	1S	110/110 (100%)	0.15	0 100 100	24, 36, 45, 51	0
14	2S	110/110 (100%)	0.81	12 (10%) 5 3	46, 55, 62, 66	0
15	1T	131/131 (100%)	0.10	2 (1%) 73 68	20, 33, 52, 64	0
15	2T	131/131 (100%)	0.11	4 (3%) 49 39	36, 44, 59, 65	0
16	1U	116/116 (100%)	-0.15	0 100 100	9, 17, 35, 49	0
16	2U	116/116 (100%)	0.47	6 (5%) 27 18	26, 45, 55, 66	0
17	1V	101/101 (100%)	-0.17	1 (0%) 82 77	8, 29, 44, 54	0
17	2V	101/101 (100%)	0.48	5 (4%) 28 19	32, 51, 59, 67	0
18	1W	112/112 (100%)	-0.25	0 100 100	10, 17, 36, 66	0
18	2W	112/112 (100%)	-0.03	2 (1%) 68 61	25, 34, 48, 60	0
19	1X	95/95 (100%)	-0.14	0 100 100	13, 24, 43, 59	0
19	2X	95/95 (100%)	0.08	1 (1%) 80 75	35, 44, 57, 60	0
20	1Y	107/107 (100%)	-0.26	0 100 100	24, 34, 49, 61	0
20	2Y	107/107 (100%)	0.33	5 (4%) 31 22	44, 54, 62, 73	0
21	1Z	203/203 (100%)	0.60	15 (7%) 14 8	28, 47, 62, 78	0
21	2Z	201/203 (99%)	0.81	27 (13%) 3 1	46, 60, 68, 71	0
22	10	77/77 (100%)	0.12	1 (1%) 77 72	17, 23, 37, 41	0
22	20	77/77 (100%)	0.39	3 (3%) 39 29	39, 45, 54, 63	0
23	11	97/97 (100%)	0.29	8 (8%) 11 6	11, 31, 54, 58	0
23	21	97/97 (100%)	0.20	5 (5%) 27 18	28, 40, 58, 64	0
24	12	70/70 (100%)	-0.15	0 100 100	24, 34, 46, 56	0
24	22	70/70 (100%)	0.08	1 (1%) 75 70	42, 53, 63, 64	0
25	13	59/59 (100%)	-0.10	0 100 100	15, 26, 49, 59	0
25	23	59/59 (100%)	0.44	5 (8%) 10 5	37, 46, 57, 63	0
26	14	69/69 (100%)	0.85	10 (14%) 2 1	35, 60, 72, 81	0
26	24	69/69 (100%)	2.05	31 (44%) 0 0	64, 72, 81, 84	0
27	15	59/59 (100%)	-0.19	0 100 100	8, 23, 42, 51	0
27	25	59/59 (100%)	-0.07	2 (3%) 45 35	23, 38, 52, 58	0
28	16	53/53 (100%)	0.15	0 100 100	24, 29, 41, 50	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å^2)	Q<0.9
28	26	53/53 (100%)	0.47	3 (5%) 23 15	34, 47, 56, 58	0
29	17	48/48 (100%)	0.03	0 100 100	8, 13, 34, 42	0
29	27	48/48 (100%)	0.19	1 (2%) 63 54	21, 28, 44, 58	0
30	18	64/64 (100%)	-0.16	0 100 100	15, 20, 28, 37	0
30	28	64/64 (100%)	0.12	0 100 100	31, 39, 49, 54	0
31	19	37/37 (100%)	0.06	0 100 100	19, 28, 43, 49	0
31	29	37/37 (100%)	0.60	0 100 100	39, 47, 54, 57	0
32	1a	1488/1520 (97%)	0.74	128 (8%) 10 5	20, 53, 76, 91	0
32	2a	1492/1520 (98%)	0.85	148 (9%) 7 4	32, 59, 77, 90	0
33	1b	231/231 (100%)	0.93	35 (15%) 2 1	50, 60, 69, 74	0
33	2b	231/231 (100%)	1.31	65 (28%) 0 0	54, 66, 71, 81	0
34	1c	206/206 (100%)	0.43	13 (6%) 20 12	47, 57, 66, 69	0
34	2c	206/206 (100%)	0.80	34 (16%) 1 1	53, 65, 71, 74	0
35	1d	208/208 (100%)	0.38	9 (4%) 35 25	41, 56, 67, 70	0
35	2d	208/208 (100%)	0.58	20 (9%) 8 4	48, 57, 64, 69	0
36	1e	148/148 (100%)	0.35	6 (4%) 37 27	33, 49, 58, 69	0
36	2e	148/148 (100%)	0.48	6 (4%) 37 27	48, 56, 63, 76	0
37	1f	100/100 (100%)	0.09	2 (2%) 65 56	46, 53, 60, 64	0
37	2f	100/100 (100%)	0.25	4 (4%) 38 28	38, 54, 62, 67	0
38	1g	155/155 (100%)	0.39	14 (9%) 9 5	47, 55, 69, 76	0
38	2g	155/155 (100%)	0.68	20 (12%) 3 2	53, 62, 71, 80	0
39	1h	137/137 (100%)	0.09	2 (1%) 73 68	40, 51, 58, 65	0
39	2h	137/137 (100%)	0.14	6 (4%) 34 24	46, 56, 62, 65	0
40	1i	127/127 (100%)	0.82	16 (12%) 3 2	40, 61, 68, 72	0
40	2i	126/127 (99%)	1.30	33 (26%) 0 0	55, 65, 72, 79	0
41	1j	97/97 (100%)	1.04	16 (16%) 1 1	44, 61, 73, 78	0
41	2j	96/97 (98%)	1.39	24 (25%) 0 0	52, 66, 72, 74	0
42	1k	114/114 (100%)	0.70	11 (9%) 8 4	29, 50, 61, 65	0
42	2k	114/114 (100%)	0.72	12 (10%) 6 3	45, 57, 64, 68	0
43	1l	121/122 (99%)	0.33	9 (7%) 14 8	32, 43, 56, 61	0
43	2l	121/122 (99%)	0.27	4 (3%) 46 36	41, 52, 60, 63	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å^2)	Q<0.9
44	1m	116/116 (100%)	0.79	14 (12%) 4 2	45, 55, 64, 67	0
44	2m	114/116 (98%)	0.85	12 (10%) 6 3	56, 65, 72, 76	0
45	1n	60/60 (100%)	0.52	4 (6%) 17 10	47, 53, 59, 62	0
45	2n	60/60 (100%)	1.15	12 (20%) 1 0	58, 64, 69, 72	0
46	1o	88/88 (100%)	0.21	1 (1%) 80 75	36, 46, 58, 65	0
46	2o	88/88 (100%)	0.22	1 (1%) 80 75	45, 52, 61, 69	0
47	1p	82/82 (100%)	0.77	6 (7%) 15 8	43, 55, 62, 64	0
47	2p	82/82 (100%)	0.67	7 (8%) 10 5	46, 54, 61, 68	0
48	1q	99/99 (100%)	0.16	1 (1%) 82 77	36, 51, 61, 65	0
48	2q	99/99 (100%)	0.32	1 (1%) 82 77	43, 53, 60, 65	0
49	1r	68/68 (100%)	0.74	8 (11%) 4 2	43, 52, 62, 69	0
49	2r	68/68 (100%)	0.95	11 (16%) 1 1	48, 55, 64, 67	0
50	1s	83/83 (100%)	0.41	2 (2%) 59 49	50, 60, 67, 73	0
50	2s	83/83 (100%)	0.91	16 (19%) 1 0	55, 67, 75, 77	0
51	1t	96/98 (97%)	0.40	2 (2%) 63 54	45, 56, 64, 68	0
51	2t	98/98 (100%)	0.30	4 (4%) 37 27	46, 53, 64, 68	0
52	1u	23/23 (100%)	0.45	0 100 100	48, 52, 57, 58	0
52	2u	23/23 (100%)	1.53	7 (30%) 0 0	58, 62, 67, 68	0
53	1v	3/3 (100%)	0.22	0 100 100	37, 37, 39, 40	0
53	2v	3/3 (100%)	0.49	0 100 100	53, 53, 57, 62	0
54	1x	72/76 (94%)	0.45	2 (2%) 53 43	15, 41, 61, 71	0
54	2x	72/76 (94%)	1.12	17 (23%) 0 0	32, 57, 68, 75	0
55	1y	16/16 (100%)	-0.11	0 100 100	14, 20, 32, 39	0
55	2y	16/16 (100%)	0.06	0 100 100	28, 33, 48, 48	0
All	All	20755/20948 (99%)	0.50	1574 (7%) 13 7	6, 47, 71, 93	0

The worst 5 of 1574 RSRZ outliers are listed below:

Mol	Chain	Res	Type	RSRZ
1	1A	1133	G	15.3
1	2A	2128	C	14.8
1	1A	2149	G	13.8
1	1A	2155	G	13.7
1	1A	1135	G	13.2

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, 95^{th} percentile and maximum values of B factors of atoms in the group. The column labelled 'Q< 0.9' lists the number of atoms with occupancy less than 0.9.

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
1	5MU	2A	1915	21/22	0.85	0.42	58,65,81,94	0
32	2MG	2a	1207	24/25	0.87	0.27	58,64,73,77	0
32	PSU	2a	516	20/21	0.88	0.34	58,63,69,71	0
54	PSU	2x	55	20/21	0.88	0.15	54,59,67,69	0
43	0TD	2l	92	10/11	0.89	0.17	50,53,56,61	0
32	2MG	1a	1207	24/25	0.90	0.30	54,58,61,69	0
1	5MU	1A	1937	21/22	0.90	0.45	50,57,72,76	0
54	5MU	2x	54	21/22	0.90	0.19	56,60,63,66	0
1	PSU	1A	1939	20/21	0.90	0.31	34,47,52,52	0
32	M2G	2a	966	25/26	0.91	0.19	48,53,60,61	0
54	4SU	2x	8	20/21	0.91	0.23	51,57,61,61	0
32	5MC	2a	967	21/22	0.91	0.21	52,56,63,69	0
1	PSU	2A	1917	20/21	0.91	0.26	46,58,67,72	0
32	4OC	2a	1402	22/23	0.92	0.24	44,50,53,56	0
32	7MG	2a	527	24/25	0.93	0.17	52,56,62,67	0
32	5MC	1a	1400	21/22	0.93	0.17	39,42,46,48	0
54	PSU	1x	55	20/21	0.93	0.19	37,44,48,52	0
32	PSU	1a	516	20/21	0.93	0.20	39,48,50,50	0
1	OMC	2A	1920	21/22	0.94	0.21	39,46,48,50	0
32	5MC	2a	1404	21/22	0.94	0.18	36,41,44,47	0
32	5MC	2a	1407	21/22	0.94	0.17	35,44,46,47	0
32	M2G	1a	966	25/26	0.94	0.19	34,37,46,48	0
32	5MC	1a	1407	21/22	0.94	0.19	27,31,35,36	0
43	0TD	1l	92	10/11	0.94	0.16	41,43,47,48	0
32	5MC	1a	967	21/22	0.94	0.18	35,43,47,49	0
32	7MG	1a	527	24/25	0.94	0.18	33,38,43,46	0
1	PSU	2A	1911	20/21	0.95	0.25	45,51,57,60	0
32	UR3	2a	1498	21/22	0.95	0.24	39,44,48,51	0
32	MA6	2a	1518	24/25	0.95	0.18	41,45,47,48	0
1	5MC	2A	1962	21/22	0.95	0.19	30,33,36,42	0
54	4SU	1x	8	20/21	0.95	0.15	36,42,44,45	0
1	PSU	2A	2605	20/21	0.95	0.19	22,26,27,27	0
54	5MC	1x	32	21/22	0.95	0.18	36,39,43,49	0
54	5MC	2x	32	21/22	0.95	0.16	46,55,57,59	0
54	5MU	1x	54	21/22	0.95	0.18	43,48,53,60	0
32	5MC	2a	1400	21/22	0.95	0.16	54,59,62,64	0
32	4OC	1a	1402	22/23	0.95	0.20	31,35,37,39	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
32	5MC	1a	1404	21/22	0.95	0.17	27,31,34,45	0
32	MA6	2a	1519	24/25	0.96	0.22	37,43,46,49	0
1	PSU	1A	2617	20/21	0.96	0.19	10,12,14,16	0
1	PSU	1A	1933	20/21	0.96	0.22	31,43,46,49	0
1	5MC	2A	1942	21/22	0.96	0.13	35,37,40,45	0
32	MA6	1a	1518	24/25	0.96	0.19	23,27,28,29	0
1	5MU	1A	1961	21/22	0.97	0.18	12,16,19,21	0
1	5MC	1A	1964	21/22	0.97	0.14	25,29,33,40	0
1	OMG	1A	2263	24/25	0.97	0.18	9,10,12,12	0
1	OMU	1A	2564	21/22	0.97	0.20	14,18,20,21	0
32	UR3	1a	1498	21/22	0.97	0.18	26,29,32,33	0
1	5MU	2A	1939	21/22	0.97	0.15	26,28,30,31	0
1	OMC	1A	1942	21/22	0.97	0.21	26,34,40,42	0
32	MA6	1a	1519	24/25	0.97	0.18	24,28,29,31	0
1	OMG	2A	2251	24/25	0.97	0.18	19,25,27,28	0
1	2MA	2A	2503	23/24	0.97	0.22	18,21,24,27	0
1	OMU	2A	2552	21/22	0.97	0.20	26,27,29,31	0
1	2MA	1A	2515	23/24	0.98	0.18	5,9,11,15	0
1	5MC	1A	1984	21/22	0.98	0.18	19,23,25,30	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(Å^2)	Q<0.9
56	MG	2a	1667	1/1	0.18	0.71	79,79,79,79	0
56	MG	2a	1725	1/1	0.20	0.85	71,71,71,71	0
56	MG	2A	3744	1/1	0.24	0.57	45,45,45,45	0
56	MG	2A	3872	1/1	0.28	0.34	69,69,69,69	0
56	MG	2a	1780	1/1	0.28	0.87	77,77,77,77	0
56	MG	2a	1807	1/1	0.35	0.46	58,58,58,58	0
56	MG	2a	1713	1/1	0.38	0.22	59,59,59,59	0
56	MG	2a	1690	1/1	0.38	0.10	57,57,57,57	0
56	MG	1a	1781	1/1	0.42	0.23	68,68,68,68	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	2a	1805	1/1	0.46	0.79	94,94,94,94	0
56	MG	2d	505	1/1	0.47	0.21	73,73,73,73	0
56	MG	2B	3002	1/1	0.49	0.20	60,60,60,60	0
56	MG	2A	3866	1/1	0.49	0.42	84,84,84,84	0
56	MG	2A	3477	1/1	0.49	0.38	62,62,62,62	0
56	MG	1A	8514	1/1	0.51	0.34	48,48,48,48	0
56	MG	2A	3520	1/1	0.52	0.30	74,74,74,74	0
56	MG	2A	3953	1/1	0.52	0.15	37,37,37,37	0
56	MG	2A	3684	1/1	0.52	0.32	68,68,68,68	0
56	MG	2a	1610	1/1	0.52	0.85	63,63,63,63	0
56	MG	2A	3079	1/1	0.52	1.07	61,61,61,61	0
56	MG	1d	506	1/1	0.52	0.17	77,77,77,77	0
56	MG	2a	1716	1/1	0.55	0.32	65,65,65,65	0
56	MG	1A	8628	1/1	0.55	0.22	62,62,62,62	0
56	MG	2x	108	1/1	0.55	0.17	53,53,53,53	0
56	MG	2a	1763	1/1	0.56	0.24	81,81,81,81	0
56	MG	2A	3243	1/1	0.56	0.45	31,31,31,31	0
56	MG	2l	201	1/1	0.56	0.53	65,65,65,65	0
56	MG	2A	3816	1/1	0.56	0.13	62,62,62,62	0
56	MG	2A	3087	1/1	0.57	0.20	54,54,54,54	0
56	MG	2H	8002	1/1	0.57	0.67	79,79,79,79	0
56	MG	1a	1753	1/1	0.57	0.17	54,54,54,54	0
56	MG	2A	3742	1/1	0.57	0.86	35,35,35,35	0
56	MG	1A	8872	1/1	0.57	0.32	59,59,59,59	0
56	MG	2A	3827	1/1	0.58	0.19	66,66,66,66	0
56	MG	2A	3835	1/1	0.58	0.18	40,40,40,40	0
56	MG	2A	3061	1/1	0.59	0.59	68,68,68,68	0
56	MG	2B	3018	1/1	0.59	0.11	57,57,57,57	0
56	MG	2A	3848	1/1	0.60	0.18	63,63,63,63	0
56	MG	2d	504	1/1	0.60	0.35	64,64,64,64	0
56	MG	2A	3720	1/1	0.60	0.31	60,60,60,60	0
56	MG	2B	3024	1/1	0.60	0.21	61,61,61,61	0
56	MG	2a	1722	1/1	0.60	0.08	61,61,61,61	0
56	MG	1a	1639	1/1	0.61	0.20	50,50,50,50	0
56	MG	2A	3252	1/1	0.61	0.34	53,53,53,53	0
56	MG	2A	3317	1/1	0.61	0.18	68,68,68,68	0
56	MG	2A	3201	1/1	0.61	0.29	51,51,51,51	0
56	MG	2P	203	1/1	0.61	0.23	63,63,63,63	0
56	MG	2A	3548	1/1	0.62	0.16	52,52,52,52	0
56	MG	1A	8701	1/1	0.63	0.37	49,49,49,49	0
56	MG	2A	3463	1/1	0.64	0.13	42,42,42,42	0
56	MG	2a	1809	1/1	0.64	0.32	81,81,81,81	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	2A	3905	1/1	0.64	0.24	56,56,56,56	0
56	MG	2H	8001	1/1	0.64	0.55	71,71,71,71	0
56	MG	2a	1714	1/1	0.64	0.22	60,60,60,60	0
56	MG	2a	1640	1/1	0.64	0.21	64,64,64,64	0
56	MG	2A	3448	1/1	0.65	0.16	65,65,65,65	0
56	MG	1A	8880	1/1	0.65	0.39	46,46,46,46	0
56	MG	2a	1758	1/1	0.65	0.78	83,83,83,83	0
56	MG	2D	316	1/1	0.65	0.14	47,47,47,47	0
56	MG	2B	3014	1/1	0.65	0.45	66,66,66,66	0
56	MG	2a	1646	1/1	0.65	0.60	48,48,48,48	0
56	MG	1a	1748	1/1	0.66	0.18	65,65,65,65	0
56	MG	1a	1785	1/1	0.66	0.15	74,74,74,74	0
56	MG	2A	3527	1/1	0.66	0.17	42,42,42,42	0
56	MG	2A	3433	1/1	0.66	0.13	43,43,43,43	0
56	MG	2a	1625	1/1	0.66	0.22	63,63,63,63	0
56	MG	2A	3620	1/1	0.66	0.23	61,61,61,61	0
56	MG	2B	3015	1/1	0.66	0.26	59,59,59,59	0
56	MG	1a	1754	1/1	0.66	0.21	59,59,59,59	0
56	MG	2B	3020	1/1	0.66	0.26	54,54,54,54	0
56	MG	2A	3856	1/1	0.66	0.42	53,53,53,53	0
56	MG	1a	1768	1/1	0.66	0.26	53,53,53,53	0
56	MG	2D	317	1/1	0.66	0.36	59,59,59,59	0
56	MG	2A	3833	1/1	0.67	0.24	28,28,28,28	0
56	MG	1P	204	1/1	0.67	0.18	62,62,62,62	0
56	MG	2A	3967	1/1	0.67	0.58	55,55,55,55	0
56	MG	2e	201	1/1	0.67	0.17	56,56,56,56	0
56	MG	2a	1687	1/1	0.67	0.12	58,58,58,58	0
56	MG	1a	1707	1/1	0.67	0.14	51,51,51,51	0
56	MG	2a	1635	1/1	0.68	0.69	69,69,69,69	0
56	MG	2B	3019	1/1	0.68	0.09	62,62,62,62	0
56	MG	2A	3536	1/1	0.68	0.13	31,31,31,31	0
56	MG	2A	3699	1/1	0.68	0.43	46,46,46,46	0
56	MG	1A	8317	1/1	0.68	0.09	35,35,35,35	0
56	MG	2a	1740	1/1	0.68	0.15	62,62,62,62	0
56	MG	2a	1742	1/1	0.68	0.22	62,62,62,62	0
56	MG	1A	8468	1/1	0.68	0.14	29,29,29,29	0
56	MG	2a	1701	1/1	0.68	0.20	82,82,82,82	0
56	MG	10	104	1/1	0.69	0.15	41,41,41,41	0
56	MG	2R	201	1/1	0.69	0.27	42,42,42,42	0
56	MG	2A	3885	1/1	0.69	0.17	55,55,55,55	0
56	MG	2a	1676	1/1	0.69	0.17	65,65,65,65	0
56	MG	1a	1729	1/1	0.69	0.18	52,52,52,52	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	2a	1783	1/1	0.69	0.11	59,59,59,59	0
56	MG	2A	3425	1/1	0.69	0.19	25,25,25,25	0
56	MG	2a	1786	1/1	0.70	0.14	48,48,48,48	0
56	MG	2a	1734	1/1	0.70	0.11	59,59,59,59	0
56	MG	2A	3849	1/1	0.70	0.22	56,56,56,56	0
56	MG	2A	3685	1/1	0.70	0.15	50,50,50,50	0
56	MG	1a	1789	1/1	0.70	0.30	61,61,61,61	0
56	MG	2a	1759	1/1	0.70	0.36	76,76,76,76	0
56	MG	1A	8413	1/1	0.70	0.17	44,44,44,44	0
56	MG	2A	3434	1/1	0.70	0.13	34,34,34,34	0
56	MG	1A	8370	1/1	0.70	0.17	10,10,10,10	0
56	MG	2A	3326	1/1	0.71	0.21	55,55,55,55	0
56	MG	2a	1767	1/1	0.71	0.37	65,65,65,65	0
56	MG	2a	1769	1/1	0.71	0.30	59,59,59,59	0
56	MG	2a	1677	1/1	0.71	0.12	62,62,62,62	0
56	MG	2G	3002	1/1	0.71	0.16	63,63,63,63	0
56	MG	1P	201	1/1	0.71	0.14	18,18,18,18	0
56	MG	2A	3063	1/1	0.71	0.22	38,38,38,38	0
56	MG	2A	3763	1/1	0.72	0.70	51,51,51,51	0
56	MG	2A	3686	1/1	0.72	0.44	53,53,53,53	0
56	MG	2A	3690	1/1	0.72	0.59	67,67,67,67	0
56	MG	1A	8881	1/1	0.72	0.23	53,53,53,53	0
56	MG	2A	3524	1/1	0.72	0.21	59,59,59,59	0
56	MG	1a	1791	1/1	0.72	0.23	56,56,56,56	0
56	MG	1a	1694	1/1	0.72	0.11	27,27,27,27	0
56	MG	2a	1664	1/1	0.73	0.13	44,44,44,44	0
56	MG	2A	3605	1/1	0.73	0.16	35,35,35,35	0
56	MG	1A	8617	1/1	0.73	0.17	43,43,43,43	0
56	MG	2A	3093	1/1	0.73	0.40	61,61,61,61	0
56	MG	2A	3798	1/1	0.73	0.20	59,59,59,59	0
56	MG	2G	3003	1/1	0.73	0.17	59,59,59,59	0
56	MG	2A	3803	1/1	0.73	0.47	71,71,71,71	0
56	MG	2a	1702	1/1	0.73	0.25	54,54,54,54	0
56	MG	2A	3806	1/1	0.73	0.35	65,65,65,65	0
56	MG	2A	3810	1/1	0.73	0.12	53,53,53,53	0
56	MG	2A	3412	1/1	0.73	0.17	21,21,21,21	0
56	MG	1a	1773	1/1	0.73	0.13	44,44,44,44	0
56	MG	2A	3688	1/1	0.73	0.13	47,47,47,47	0
56	MG	1F	301	1/1	0.73	0.25	21,21,21,21	0
56	MG	1a	1800	1/1	0.73	0.11	31,31,31,31	0
56	MG	2A	3285	1/1	0.73	0.14	30,30,30,30	0
56	MG	2A	3786	1/1	0.74	0.26	62,62,62,62	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	2B	3017	1/1	0.74	0.42	74,74,74,74	0
56	MG	2A	3098	1/1	0.74	1.62	62,62,62,62	0
56	MG	2a	1706	1/1	0.74	0.15	55,55,55,55	0
56	MG	1A	8922	1/1	0.74	0.26	16,16,16,16	0
56	MG	2A	3373	1/1	0.74	0.12	29,29,29,29	0
56	MG	1a	1803	1/1	0.74	0.17	47,47,47,47	0
56	MG	2A	3614	1/1	0.74	0.12	42,42,42,42	0
56	MG	2A	3923	1/1	0.74	0.24	39,39,39,39	0
56	MG	1A	8631	1/1	0.74	0.09	53,53,53,53	0
56	MG	2A	3658	1/1	0.74	0.11	29,29,29,29	0
56	MG	2A	3660	1/1	0.74	0.27	51,51,51,51	0
56	MG	2a	1680	1/1	0.74	0.63	59,59,59,59	0
56	MG	1A	8679	1/1	0.74	0.19	34,34,34,34	0
56	MG	1A	8508	1/1	0.75	0.09	34,34,34,34	0
56	MG	2B	3021	1/1	0.75	0.24	50,50,50,50	0
56	MG	2A	3327	1/1	0.75	0.33	61,61,61,61	0
56	MG	2A	3332	1/1	0.75	0.15	69,69,69,69	0
56	MG	2A	3799	1/1	0.75	0.16	54,54,54,54	0
56	MG	1A	8888	1/1	0.75	0.47	62,62,62,62	0
56	MG	1A	8058	1/1	0.75	0.15	44,44,44,44	0
56	MG	2A	3535	1/1	0.75	0.21	55,55,55,55	0
56	MG	2A	3814	1/1	0.75	0.10	33,33,33,33	0
56	MG	1A	8687	1/1	0.75	0.16	46,46,46,46	0
56	MG	2a	1794	1/1	0.75	0.30	71,71,71,71	0
56	MG	2A	3074	1/1	0.75	0.45	33,33,33,33	0
56	MG	2U	204	1/1	0.75	0.30	52,52,52,52	0
56	MG	2A	3576	1/1	0.75	0.26	47,47,47,47	0
56	MG	1a	1660	1/1	0.75	0.41	39,39,39,39	0
56	MG	2A	3613	1/1	0.75	0.09	62,62,62,62	0
56	MG	1N	204	1/1	0.75	0.26	68,68,68,68	0
56	MG	2a	1732	1/1	0.75	0.19	77,77,77,77	0
56	MG	2x	104	1/1	0.75	1.16	68,68,68,68	0
56	MG	2a	1642	1/1	0.75	0.34	51,51,51,51	0
56	MG	1A	8286	1/1	0.76	0.10	11,11,11,11	0
56	MG	2A	3596	1/1	0.76	0.22	35,35,35,35	0
56	MG	2A	3603	1/1	0.76	0.48	53,53,53,53	0
56	MG	2A	3158	1/1	0.76	0.38	40,40,40,40	0
56	MG	1a	1772	1/1	0.76	0.13	53,53,53,53	0
56	MG	2A	3072	1/1	0.76	0.22	36,36,36,36	0
56	MG	1a	1667	1/1	0.76	0.32	59,59,59,59	0
56	MG	2A	3532	1/1	0.76	0.17	54,54,54,54	0
56	MG	1a	1623	1/1	0.76	0.34	47,47,47,47	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	2a	1821	1/1	0.76	0.19	71,71,71,71	0
56	MG	2A	3667	1/1	0.76	0.34	58,58,58,58	0
56	MG	1a	1827	1/1	0.76	0.17	62,62,62,62	0
56	MG	2a	1751	1/1	0.76	0.13	50,50,50,50	0
56	MG	2h	3002	1/1	0.76	0.54	64,64,64,64	0
56	MG	1A	8320	1/1	0.76	0.19	7,7,7,7	0
56	MG	2a	1693	1/1	0.76	0.12	47,47,47,47	0
56	MG	2a	1623	1/1	0.76	0.28	41,41,41,41	0
56	MG	2A	3721	1/1	0.77	0.26	47,47,47,47	0
56	MG	2A	3324	1/1	0.77	0.12	33,33,33,33	0
56	MG	1a	1776	1/1	0.77	0.16	35,35,35,35	0
56	MG	1A	8356	1/1	0.77	0.12	9,9,9,9	0
56	MG	2A	3778	1/1	0.77	0.30	46,46,46,46	0
56	MG	1B	3023	1/1	0.77	0.11	46,46,46,46	0
56	MG	2A	3341	1/1	0.77	0.14	43,43,43,43	0
56	MG	2A	3370	1/1	0.77	0.13	21,21,21,21	0
56	MG	1a	1786	1/1	0.77	0.15	56,56,56,56	0
56	MG	2A	3092	1/1	0.77	0.58	48,48,48,48	0
56	MG	1a	1619	1/1	0.77	0.23	45,45,45,45	0
56	MG	1a	1744	1/1	0.77	0.15	59,59,59,59	0
56	MG	1A	8385	1/1	0.77	0.13	15,15,15,15	0
56	MG	2A	3180	1/1	0.77	0.34	46,46,46,46	0
56	MG	2A	3679	1/1	0.77	0.22	60,60,60,60	0
56	MG	1a	1635	1/1	0.77	0.19	38,38,38,38	0
56	MG	2A	3224	1/1	0.77	0.31	48,48,48,48	0
56	MG	1H	202	1/1	0.77	0.12	39,39,39,39	0
56	MG	1a	1659	1/1	0.77	0.20	50,50,50,50	0
56	MG	1A	8484	1/1	0.77	0.37	17,17,17,17	0
56	MG	2a	1715	1/1	0.77	0.21	50,50,50,50	0
56	MG	1A	8498	1/1	0.77	0.12	34,34,34,34	0
56	MG	2a	1719	1/1	0.77	0.40	39,39,39,39	0
56	MG	2v	101	1/1	0.77	0.19	61,61,61,61	0
56	MG	2A	3323	1/1	0.77	0.22	47,47,47,47	0
56	MG	20	105	1/1	0.77	0.35	50,50,50,50	0
56	MG	1D	314	1/1	0.78	0.23	31,31,31,31	0
56	MG	1a	1813	1/1	0.78	0.11	49,49,49,49	0
56	MG	2a	1762	1/1	0.78	0.12	58,58,58,58	0
56	MG	2G	3001	1/1	0.78	0.17	67,67,67,67	0
56	MG	2A	3870	1/1	0.78	0.33	63,63,63,63	0
56	MG	2A	3765	1/1	0.78	0.08	48,48,48,48	0
56	MG	1A	8205	1/1	0.78	0.20	25,25,25,25	0
56	MG	2A	3666	1/1	0.78	0.25	48,48,48,48	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	1A	8630	1/1	0.78	0.19	36,36,36,36	0
56	MG	1x	3011	1/1	0.78	0.16	34,34,34,34	0
56	MG	2A	3057	1/1	0.78	0.28	42,42,42,42	0
56	MG	2A	3982	1/1	0.78	0.36	26,26,26,26	0
56	MG	1A	8916	1/1	0.78	0.07	75,75,75,75	0
56	MG	2A	3394	1/1	0.78	0.34	65,65,65,65	0
56	MG	1A	8527	1/1	0.78	0.15	11,11,11,11	0
56	MG	1B	3017	1/1	0.78	0.12	44,44,44,44	0
56	MG	2A	3696	1/1	0.78	0.11	54,54,54,54	0
56	MG	2A	3267	1/1	0.78	0.21	58,58,58,58	0
56	MG	1A	8417	1/1	0.78	0.11	37,37,37,37	0
56	MG	2a	1660	1/1	0.78	0.41	59,59,59,59	0
56	MG	1a	1604	1/1	0.78	0.33	50,50,50,50	0
56	MG	1a	1801	1/1	0.78	0.19	60,60,60,60	0
56	MG	2x	111	1/1	0.78	0.14	67,67,67,67	0
56	MG	2A	3421	1/1	0.79	0.14	49,49,49,49	0
56	MG	2A	3112	1/1	0.79	0.30	29,29,29,29	0
56	MG	2a	1755	1/1	0.79	0.15	52,52,52,52	0
56	MG	2A	3775	1/1	0.79	0.58	51,51,51,51	0
56	MG	1A	8840	1/1	0.79	0.17	9,9,9,9	0
56	MG	2A	3864	1/1	0.79	0.22	39,39,39,39	0
56	MG	1D	307	1/1	0.79	0.29	20,20,20,20	0
56	MG	2D	301	1/1	0.79	0.32	52,52,52,52	0
56	MG	1a	1625	1/1	0.79	0.35	47,47,47,47	0
56	MG	1a	1755	1/1	0.79	0.25	60,60,60,60	0
56	MG	2A	3873	1/1	0.79	0.37	74,74,74,74	0
56	MG	1a	1839	1/1	0.79	0.22	48,48,48,48	0
56	MG	2A	3805	1/1	0.79	0.08	40,40,40,40	0
56	MG	2A	3916	1/1	0.79	0.35	86,86,86,86	0
56	MG	1A	8544	1/1	0.79	0.18	27,27,27,27	0
56	MG	2A	3933	1/1	0.79	0.12	51,51,51,51	0
56	MG	1A	8377	1/1	0.79	0.21	20,20,20,20	0
56	MG	2A	3637	1/1	0.79	0.22	48,48,48,48	0
56	MG	2A	3013	1/1	0.79	0.22	29,29,29,29	0
56	MG	2a	1718	1/1	0.79	0.77	72,72,72,72	0
56	MG	2A	3403	1/1	0.79	0.11	40,40,40,40	0
56	MG	2B	3005	1/1	0.79	0.29	55,55,55,55	0
56	MG	2B	3013	1/1	0.79	0.12	51,51,51,51	0
56	MG	2a	1626	1/1	0.79	0.24	63,63,63,63	0
56	MG	2A	3832	1/1	0.79	0.24	31,31,31,31	0
56	MG	1A	8621	1/1	0.79	0.16	24,24,24,24	0
56	MG	2B	3006	1/1	0.80	0.39	48,48,48,48	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	2A	3279	1/1	0.80	0.17	49,49,49,49	0
56	MG	2A	3591	1/1	0.80	0.21	51,51,51,51	0
56	MG	2A	3702	1/1	0.80	0.34	55,55,55,55	0
56	MG	2a	1753	1/1	0.80	0.20	57,57,57,57	0
56	MG	1A	8689	1/1	0.80	0.21	33,33,33,33	0
56	MG	2A	3426	1/1	0.80	0.09	55,55,55,55	0
56	MG	2A	3431	1/1	0.80	0.09	39,39,39,39	0
56	MG	1a	1796	1/1	0.80	0.20	58,58,58,58	0
56	MG	2A	3105	1/1	0.80	0.40	46,46,46,46	0
56	MG	1a	1775	1/1	0.80	0.20	41,41,41,41	0
56	MG	2A	3125	1/1	0.80	0.85	39,39,39,39	0
56	MG	2A	3467	1/1	0.80	0.12	52,52,52,52	0
56	MG	1B	3022	1/1	0.80	0.14	41,41,41,41	0
56	MG	2A	3899	1/1	0.80	0.42	62,62,62,62	0
56	MG	1A	8667	1/1	0.80	0.24	40,40,40,40	0
56	MG	2A	3915	1/1	0.80	0.13	42,42,42,42	0
56	MG	1a	1783	1/1	0.80	0.39	60,60,60,60	0
56	MG	2a	1711	1/1	0.80	0.18	64,64,64,64	0
56	MG	2A	3917	1/1	0.80	0.63	49,49,49,49	0
56	MG	2A	3677	1/1	0.80	0.18	60,60,60,60	0
56	MG	1a	1825	1/1	0.80	0.14	43,43,43,43	0
56	MG	2A	3234	1/1	0.80	0.21	42,42,42,42	0
56	MG	1A	8784	1/1	0.80	0.20	38,38,38,38	0
56	MG	25	104	1/1	0.80	0.26	53,53,53,53	0
56	MG	1A	8249	1/1	0.80	0.31	36,36,36,36	0
56	MG	1A	8336	1/1	0.80	0.15	32,32,32,32	0
56	MG	2a	1731	1/1	0.80	0.13	56,56,56,56	0
56	MG	2A	3551	1/1	0.80	0.27	34,34,34,34	0
56	MG	1a	1678	1/1	0.81	0.23	43,43,43,43	0
56	MG	2A	3245	1/1	0.81	0.28	46,46,46,46	0
56	MG	2A	3672	1/1	0.81	0.17	46,46,46,46	0
56	MG	2A	3675	1/1	0.81	0.19	44,44,44,44	0
56	MG	1A	8653	1/1	0.81	0.17	47,47,47,47	0
56	MG	2A	3263	1/1	0.81	0.41	46,46,46,46	0
56	MG	1A	8172	1/1	0.81	0.13	53,53,53,53	0
56	MG	2A	3854	1/1	0.81	0.20	32,32,32,32	0
56	MG	1a	1726	1/1	0.81	0.36	56,56,56,56	0
56	MG	1A	8197	1/1	0.81	0.29	42,42,42,42	0
56	MG	2A	3304	1/1	0.81	0.14	47,47,47,47	0
56	MG	2A	3869	1/1	0.81	0.17	38,38,38,38	0
56	MG	1A	8039	1/1	0.81	0.16	12,12,12,12	0
56	MG	1A	8970	1/1	0.81	0.24	29,29,29,29	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	1A	8423	1/1	0.81	0.11	28,28,28,28	0
56	MG	1A	8221	1/1	0.81	0.10	43,43,43,43	0
56	MG	2A	3712	1/1	0.81	0.08	29,29,29,29	0
56	MG	1A	8711	1/1	0.81	0.12	27,27,27,27	0
56	MG	1a	1762	1/1	0.81	0.07	54,54,54,54	0
56	MG	1a	1815	1/1	0.81	0.16	57,57,57,57	0
56	MG	2A	3346	1/1	0.81	0.12	29,29,29,29	0
56	MG	2A	3106	1/1	0.81	0.32	31,31,31,31	0
56	MG	1a	1824	1/1	0.81	0.11	54,54,54,54	0
56	MG	1B	3027	1/1	0.81	0.32	66,66,66,66	0
56	MG	2a	1784	1/1	0.81	0.25	64,64,64,64	0
56	MG	2a	1656	1/1	0.81	0.32	65,65,65,65	0
56	MG	2A	3958	1/1	0.81	0.24	51,51,51,51	0
56	MG	2a	1801	1/1	0.81	0.14	61,61,61,61	0
56	MG	2A	3962	1/1	0.81	0.53	54,54,54,54	0
56	MG	1A	8123	1/1	0.81	0.66	22,22,22,22	0
56	MG	2A	3781	1/1	0.81	0.23	51,51,51,51	0
56	MG	2A	3785	1/1	0.81	0.17	29,29,29,29	0
56	MG	2A	3606	1/1	0.81	0.17	42,42,42,42	0
56	MG	2A	3406	1/1	0.81	0.16	51,51,51,51	0
56	MG	1A	8260	1/1	0.81	0.30	28,28,28,28	0
56	MG	2A	3418	1/1	0.81	0.11	57,57,57,57	0
56	MG	2a	1697	1/1	0.81	0.08	54,54,54,54	0
56	MG	1d	505	1/1	0.81	0.05	56,56,56,56	0
56	MG	1A	8279	1/1	0.81	0.10	30,30,30,30	0
56	MG	1A	8636	1/1	0.81	0.20	45,45,45,45	0
56	MG	2A	3662	1/1	0.81	0.11	43,43,43,43	0
56	MG	1B	3010	1/1	0.82	0.15	44,44,44,44	0
56	MG	1Q	202	1/1	0.82	0.10	53,53,53,53	0
56	MG	1a	1710	1/1	0.82	0.09	47,47,47,47	0
56	MG	1A	8863	1/1	0.82	0.22	24,24,24,24	0
56	MG	18	101	1/1	0.82	0.28	49,49,49,49	0
56	MG	2A	3076	1/1	0.82	1.03	44,44,44,44	0
56	MG	1a	1731	1/1	0.82	0.40	64,64,64,64	0
56	MG	2A	3729	1/1	0.82	0.38	76,76,76,76	0
56	MG	1a	1795	1/1	0.82	0.09	52,52,52,52	0
56	MG	1a	1733	1/1	0.82	0.33	58,58,58,58	0
56	MG	2a	1601	1/1	0.82	0.18	47,47,47,47	0
56	MG	2a	1743	1/1	0.82	0.39	41,41,41,41	0
56	MG	1A	8866	1/1	0.82	0.09	32,32,32,32	0
56	MG	1A	8110	1/1	0.82	0.34	14,14,14,14	0
56	MG	2A	3772	1/1	0.82	0.25	43,43,43,43	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	1A	8082	1/1	0.82	0.24	27,27,27,27	0
56	MG	2A	3350	1/1	0.82	0.24	28,28,28,28	0
56	MG	1a	1804	1/1	0.82	0.14	46,46,46,46	0
56	MG	1A	8145	1/1	0.82	0.23	15,15,15,15	0
56	MG	2A	3114	1/1	0.82	0.16	33,33,33,33	0
56	MG	2a	1649	1/1	0.82	0.68	48,48,48,48	0
56	MG	2a	1770	1/1	0.82	0.14	52,52,52,52	0
56	MG	2a	1775	1/1	0.82	0.48	68,68,68,68	0
56	MG	1A	8884	1/1	0.82	0.19	65,65,65,65	0
56	MG	1a	1759	1/1	0.82	0.11	63,63,63,63	0
56	MG	2a	1661	1/1	0.82	0.38	43,43,43,43	0
56	MG	2A	3165	1/1	0.82	0.30	42,42,42,42	0
56	MG	2a	1788	1/1	0.82	0.11	50,50,50,50	0
56	MG	1A	8747	1/1	0.82	0.09	27,27,27,27	0
56	MG	2a	1797	1/1	0.82	0.12	47,47,47,47	0
56	MG	1a	1642	1/1	0.82	0.20	57,57,57,57	0
56	MG	2A	3202	1/1	0.82	0.70	42,42,42,42	0
56	MG	2A	3813	1/1	0.82	0.19	64,64,64,64	0
56	MG	2A	3223	1/1	0.82	0.19	52,52,52,52	0
56	MG	1G	3002	1/1	0.82	0.10	44,44,44,44	0
56	MG	1A	8098	1/1	0.82	0.38	19,19,19,19	0
56	MG	1A	8608	1/1	0.82	0.23	29,29,29,29	0
56	MG	1x	3006	1/1	0.82	0.20	47,47,47,47	0
56	MG	1A	8855	1/1	0.82	0.20	29,29,29,29	0
56	MG	2a	1703	1/1	0.82	0.09	47,47,47,47	0
56	MG	2n	502	1/1	0.82	0.31	55,55,55,55	0
56	MG	2A	3846	1/1	0.82	0.14	38,38,38,38	0
56	MG	2A	3257	1/1	0.82	0.25	44,44,44,44	0
56	MG	1a	1779	1/1	0.82	0.13	50,50,50,50	0
56	MG	2A	3486	1/1	0.82	0.23	47,47,47,47	0
56	MG	1A	8753	1/1	0.83	0.39	13,13,13,13	0
56	MG	2A	3668	1/1	0.83	0.48	57,57,57,57	0
56	MG	2a	1622	1/1	0.83	0.26	59,59,59,59	0
56	MG	2A	3924	1/1	0.83	0.27	26,26,26,26	0
56	MG	1B	3001	1/1	0.83	0.15	37,37,37,37	0
56	MG	1A	8665	1/1	0.83	0.27	63,63,63,63	0
56	MG	2a	1630	1/1	0.83	0.16	50,50,50,50	0
56	MG	1A	8234	1/1	0.83	0.16	32,32,32,32	0
56	MG	1a	1620	1/1	0.83	0.18	46,46,46,46	0
56	MG	2A	3342	1/1	0.83	0.19	25,25,25,25	0
56	MG	2a	1761	1/1	0.83	0.12	42,42,42,42	0
56	MG	1A	8237	1/1	0.83	0.23	41,41,41,41	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	2A	3985	1/1	0.83	0.18	39,39,39,39	0
56	MG	1A	8859	1/1	0.83	0.15	37,37,37,37	0
56	MG	1A	8076	1/1	0.83	0.44	22,22,22,22	0
56	MG	2A	3817	1/1	0.83	0.55	52,52,52,52	0
56	MG	2A	3823	1/1	0.83	0.18	43,43,43,43	0
56	MG	2a	1778	1/1	0.83	0.16	42,42,42,42	0
56	MG	1A	8488	1/1	0.83	0.20	46,46,46,46	0
56	MG	2A	3563	1/1	0.83	0.30	51,51,51,51	0
56	MG	1a	1758	1/1	0.83	0.15	38,38,38,38	0
56	MG	2a	1785	1/1	0.83	0.28	70,70,70,70	0
56	MG	1A	8871	1/1	0.83	0.37	38,38,38,38	0
56	MG	1A	8691	1/1	0.83	0.18	14,14,14,14	0
56	MG	2A	3262	1/1	0.83	0.16	38,38,38,38	0
56	MG	1A	8604	1/1	0.83	0.25	29,29,29,29	0
56	MG	2A	3265	1/1	0.83	0.40	56,56,56,56	0
56	MG	2A	3731	1/1	0.83	0.46	63,63,63,63	0
56	MG	1A	8252	1/1	0.83	0.24	24,24,24,24	0
56	MG	1A	8718	1/1	0.83	0.28	27,27,27,27	0
56	MG	2A	3757	1/1	0.83	0.24	32,32,32,32	0
56	MG	2A	3280	1/1	0.83	0.15	35,35,35,35	0
56	MG	2A	3629	1/1	0.83	0.20	25,25,25,25	0
56	MG	2A	3768	1/1	0.83	0.13	42,42,42,42	0
56	MG	1a	1686	1/1	0.83	0.20	46,46,46,46	0
56	MG	2A	3296	1/1	0.83	0.12	49,49,49,49	0
56	MG	2A	3902	1/1	0.83	0.12	39,39,39,39	0
56	MG	1A	8734	1/1	0.83	0.14	22,22,22,22	0
56	MG	1A	8735	1/1	0.83	0.16	15,15,15,15	0
56	MG	25	103	1/1	0.83	0.30	46,46,46,46	0
56	MG	1A	8610	1/1	0.83	0.29	41,41,41,41	0
56	MG	1a	1749	1/1	0.84	0.14	54,54,54,54	0
56	MG	1A	8849	1/1	0.84	0.13	39,39,39,39	0
56	MG	1A	8853	1/1	0.84	0.21	50,50,50,50	0
56	MG	1A	8328	1/1	0.84	0.26	38,38,38,38	0
56	MG	2a	1662	1/1	0.84	0.16	48,48,48,48	0
56	MG	1A	8549	1/1	0.84	0.19	38,38,38,38	0
56	MG	2A	3664	1/1	0.84	0.20	25,25,25,25	0
56	MG	1A	8552	1/1	0.84	0.19	23,23,23,23	0
56	MG	1A	8864	1/1	0.84	0.15	26,26,26,26	0
56	MG	2a	1679	1/1	0.84	0.15	51,51,51,51	0
56	MG	1A	8676	1/1	0.84	0.06	26,26,26,26	0
56	MG	1A	8554	1/1	0.84	0.30	34,34,34,34	0
56	MG	1a	1605	1/1	0.84	0.15	43,43,43,43	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	2a	1691	1/1	0.84	0.10	52,52,52,52	0
56	MG	2A	3903	1/1	0.84	0.30	49,49,49,49	0
56	MG	1a	1774	1/1	0.84	0.25	59,59,59,59	0
56	MG	2a	1700	1/1	0.84	0.17	51,51,51,51	0
56	MG	2A	3374	1/1	0.84	0.12	57,57,57,57	0
56	MG	2A	3385	1/1	0.84	0.17	24,24,24,24	0
56	MG	1A	8578	1/1	0.84	0.17	10,10,10,10	0
56	MG	2a	1705	1/1	0.84	0.26	63,63,63,63	0
56	MG	1A	8594	1/1	0.84	0.15	36,36,36,36	0
56	MG	1a	1777	1/1	0.84	0.41	56,56,56,56	0
56	MG	2A	3689	1/1	0.84	0.14	32,32,32,32	0
56	MG	1A	8277	1/1	0.84	0.30	50,50,50,50	0
56	MG	2A	3413	1/1	0.84	0.20	44,44,44,44	0
56	MG	1A	8247	1/1	0.84	0.17	25,25,25,25	0
56	MG	1A	8367	1/1	0.84	0.13	33,33,33,33	0
56	MG	1a	1636	1/1	0.84	0.13	56,56,56,56	0
56	MG	2A	3719	1/1	0.84	0.49	37,37,37,37	0
56	MG	1A	8900	1/1	0.84	0.14	13,13,13,13	0
56	MG	2a	1726	1/1	0.84	0.10	51,51,51,51	0
56	MG	2A	3143	1/1	0.84	0.15	33,33,33,33	0
56	MG	1A	8909	1/1	0.84	0.22	15,15,15,15	0
56	MG	1A	8030	1/1	0.84	0.31	20,20,20,20	0
56	MG	2A	3446	1/1	0.84	0.27	29,29,29,29	0
56	MG	2a	1741	1/1	0.84	0.09	61,61,61,61	0
56	MG	2A	3743	1/1	0.84	0.35	47,47,47,47	0
56	MG	1A	8730	1/1	0.84	0.13	62,62,62,62	0
56	MG	2A	3752	1/1	0.84	0.41	39,39,39,39	0
56	MG	2a	1752	1/1	0.84	0.57	71,71,71,71	0
56	MG	1A	8371	1/1	0.84	0.12	11,11,11,11	0
56	MG	1a	1797	1/1	0.84	0.29	47,47,47,47	0
56	MG	1A	8625	1/1	0.84	0.21	39,39,39,39	0
56	MG	2B	3023	1/1	0.84	0.15	41,41,41,41	0
56	MG	1a	1685	1/1	0.84	0.12	51,51,51,51	0
56	MG	2A	3502	1/1	0.84	0.10	47,47,47,47	0
56	MG	1B	3004	1/1	0.84	0.11	35,35,35,35	0
56	MG	2A	3523	1/1	0.84	0.29	38,38,38,38	0
56	MG	2F	309	1/1	0.84	0.14	58,58,58,58	0
56	MG	2A	3237	1/1	0.84	0.17	45,45,45,45	0
56	MG	1A	8736	1/1	0.84	0.35	38,38,38,38	0
56	MG	1a	1807	1/1	0.84	0.18	51,51,51,51	0
56	MG	1A	8374	1/1	0.84	0.12	41,41,41,41	0
56	MG	1A	8751	1/1	0.84	0.16	44,44,44,44	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	2A	3539	1/1	0.84	0.19	47,47,47,47	0
56	MG	1a	1816	1/1	0.84	0.14	49,49,49,49	0
56	MG	2A	3549	1/1	0.84	0.10	39,39,39,39	0
56	MG	1A	8015	1/1	0.84	0.15	28,28,28,28	0
56	MG	2A	3559	1/1	0.84	0.26	25,25,25,25	0
56	MG	1A	8773	1/1	0.84	0.14	29,29,29,29	0
56	MG	29	503	1/1	0.84	0.21	62,62,62,62	0
56	MG	1A	8380	1/1	0.84	0.16	16,16,16,16	0
56	MG	2a	1609	1/1	0.84	0.15	45,45,45,45	0
56	MG	1a	1828	1/1	0.84	0.21	52,52,52,52	0
56	MG	2a	1810	1/1	0.84	0.87	53,53,53,53	0
56	MG	1A	8809	1/1	0.84	0.15	21,21,21,21	0
56	MG	2A	3283	1/1	0.84	0.16	30,30,30,30	0
56	MG	2A	3828	1/1	0.84	0.21	58,58,58,58	0
56	MG	1A	8817	1/1	0.84	0.07	31,31,31,31	0
56	MG	1A	8103	1/1	0.84	0.23	13,13,13,13	0
56	MG	1i	3001	1/1	0.84	0.17	46,46,46,46	0
56	MG	2a	1637	1/1	0.84	0.15	36,36,36,36	0
56	MG	2t	201	1/1	0.84	0.23	46,46,46,46	0
56	MG	1o	101	1/1	0.84	0.37	50,50,50,50	0
56	MG	2A	3320	1/1	0.84	0.19	27,27,27,27	0
56	MG	2A	3623	1/1	0.84	0.35	53,53,53,53	0
56	MG	2a	1647	1/1	0.84	0.17	48,48,48,48	0
56	MG	1A	8187	1/1	0.85	0.24	20,20,20,20	0
56	MG	2W	3001	1/1	0.85	0.11	45,45,45,45	0
56	MG	20	104	1/1	0.85	0.19	55,55,55,55	0
56	MG	1A	8605	1/1	0.85	0.22	41,41,41,41	0
56	MG	1a	1647	1/1	0.85	0.10	53,53,53,53	0
56	MG	1A	8674	1/1	0.85	0.26	35,35,35,35	0
56	MG	28	101	1/1	0.85	0.14	54,54,54,54	0
56	MG	1A	8250	1/1	0.85	0.50	50,50,50,50	0
56	MG	1a	1812	1/1	0.85	0.08	35,35,35,35	0
56	MG	2a	1606	1/1	0.85	0.18	35,35,35,35	0
56	MG	1A	8308	1/1	0.85	0.10	41,41,41,41	0
56	MG	2A	3922	1/1	0.85	0.28	65,65,65,65	0
56	MG	2a	1615	1/1	0.85	0.62	50,50,50,50	0
56	MG	1a	1670	1/1	0.85	0.17	44,44,44,44	0
56	MG	2a	1744	1/1	0.85	0.34	43,43,43,43	0
56	MG	1A	8798	1/1	0.85	0.21	24,24,24,24	0
56	MG	2A	3927	1/1	0.85	0.15	30,30,30,30	0
56	MG	1A	8800	1/1	0.85	0.28	44,44,44,44	0
56	MG	1A	8905	1/1	0.85	0.08	42,42,42,42	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	2A	3452	1/1	0.85	0.09	34,34,34,34	0
56	MG	2A	3312	1/1	0.85	0.14	25,25,25,25	0
56	MG	1A	8615	1/1	0.85	0.21	13,13,13,13	0
56	MG	2a	1641	1/1	0.85	0.29	59,59,59,59	0
56	MG	1A	8814	1/1	0.85	0.07	62,62,62,62	0
56	MG	2A	3480	1/1	0.85	0.39	63,63,63,63	0
56	MG	2A	3482	1/1	0.85	0.29	43,43,43,43	0
56	MG	1A	8220	1/1	0.85	0.12	52,52,52,52	0
56	MG	2a	1771	1/1	0.85	0.11	55,55,55,55	0
56	MG	2a	1654	1/1	0.85	0.11	62,62,62,62	0
56	MG	2A	3673	1/1	0.85	0.28	41,41,41,41	0
56	MG	2B	3010	1/1	0.85	0.17	38,38,38,38	0
56	MG	1d	502	1/1	0.85	0.21	56,56,56,56	0
56	MG	2A	3509	1/1	0.85	0.35	66,66,66,66	0
56	MG	1d	504	1/1	0.85	0.12	45,45,45,45	0
56	MG	1a	1714	1/1	0.85	0.09	42,42,42,42	0
56	MG	2a	1672	1/1	0.85	0.16	64,64,64,64	0
56	MG	2a	1793	1/1	0.85	0.09	52,52,52,52	0
56	MG	2a	1674	1/1	0.85	0.09	37,37,37,37	0
56	MG	2A	3199	1/1	0.85	0.43	30,30,30,30	0
56	MG	2A	3525	1/1	0.85	0.14	25,25,25,25	0
56	MG	1A	8536	1/1	0.85	0.15	54,54,54,54	0
56	MG	1A	8465	1/1	0.85	0.12	24,24,24,24	0
56	MG	2A	3217	1/1	0.85	0.52	30,30,30,30	0
56	MG	2A	3349	1/1	0.85	0.10	43,43,43,43	0
56	MG	2a	1815	1/1	0.85	0.42	58,58,58,58	0
56	MG	1A	8240	1/1	0.85	0.21	13,13,13,13	0
56	MG	2A	3545	1/1	0.85	0.12	47,47,47,47	0
56	MG	2A	3706	1/1	0.85	0.20	32,32,32,32	0
56	MG	1a	1788	1/1	0.85	0.22	42,42,42,42	0
56	MG	1A	8471	1/1	0.85	0.21	17,17,17,17	0
56	MG	1A	8473	1/1	0.85	0.24	35,35,35,35	0
56	MG	1A	8263	1/1	0.85	0.15	26,26,26,26	0
56	MG	2o	3001	1/1	0.85	0.15	32,32,32,32	0
56	MG	1A	8646	1/1	0.85	0.12	30,30,30,30	0
56	MG	2A	3248	1/1	0.85	0.32	34,34,34,34	0
56	MG	2N	203	1/1	0.85	0.13	49,49,49,49	0
56	MG	2A	3578	1/1	0.85	0.08	47,47,47,47	0
56	MG	1A	8143	1/1	0.85	0.10	20,20,20,20	0
57	ZN	14	501	1/1	0.85	0.13	75,75,75,75	0
56	MG	2a	1707	1/1	0.86	0.22	61,61,61,61	0
56	MG	2A	3503	1/1	0.86	0.21	47,47,47,47	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	2A	3339	1/1	0.86	0.12	35,35,35,35	0
56	MG	2A	3518	1/1	0.86	0.19	24,24,24,24	0
56	MG	1A	8614	1/1	0.86	0.20	41,41,41,41	0
56	MG	1A	8795	1/1	0.86	0.35	21,21,21,21	0
56	MG	1A	8649	1/1	0.86	0.31	18,18,18,18	0
56	MG	2A	3840	1/1	0.86	0.19	42,42,42,42	0
56	MG	2a	1720	1/1	0.86	0.15	43,43,43,43	0
56	MG	1A	8704	1/1	0.86	0.20	34,34,34,34	0
56	MG	2A	3526	1/1	0.86	0.13	46,46,46,46	0
56	MG	1A	8801	1/1	0.86	0.10	25,25,25,25	0
56	MG	2A	3364	1/1	0.86	0.26	42,42,42,42	0
56	MG	1a	1756	1/1	0.86	0.11	51,51,51,51	0
56	MG	2a	1733	1/1	0.86	0.20	69,69,69,69	0
56	MG	1A	8804	1/1	0.86	0.09	31,31,31,31	0
56	MG	1A	8419	1/1	0.86	0.20	31,31,31,31	0
56	MG	1A	8899	1/1	0.86	0.12	37,37,37,37	0
56	MG	2A	3705	1/1	0.86	0.18	48,48,48,48	0
56	MG	2A	3547	1/1	0.86	0.18	43,43,43,43	0
56	MG	2A	3709	1/1	0.86	0.21	40,40,40,40	0
56	MG	2a	1604	1/1	0.86	0.19	44,44,44,44	0
56	MG	2A	3083	1/1	0.86	0.20	25,25,25,25	0
56	MG	2A	3400	1/1	0.86	0.09	41,41,41,41	0
56	MG	1A	8251	1/1	0.86	0.18	33,33,33,33	0
56	MG	2a	1611	1/1	0.86	0.41	61,61,61,61	0
56	MG	1A	8438	1/1	0.86	0.12	34,34,34,34	0
56	MG	2A	3726	1/1	0.86	0.12	50,50,50,50	0
56	MG	2A	3560	1/1	0.86	0.56	43,43,43,43	0
56	MG	1a	1680	1/1	0.86	0.26	27,27,27,27	0
56	MG	2A	3733	1/1	0.86	0.08	33,33,33,33	0
56	MG	2A	3734	1/1	0.86	0.08	33,33,33,33	0
56	MG	2A	3564	1/1	0.86	0.26	51,51,51,51	0
56	MG	1A	8835	1/1	0.86	0.10	36,36,36,36	0
56	MG	2a	1638	1/1	0.86	0.34	54,54,54,54	0
56	MG	2A	3273	1/1	0.86	0.27	44,44,44,44	0
56	MG	2A	3747	1/1	0.86	0.27	39,39,39,39	0
56	MG	1A	8670	1/1	0.86	0.45	41,41,41,41	0
56	MG	1U	201	1/1	0.86	0.13	26,26,26,26	0
56	MG	1A	8201	1/1	0.86	0.30	45,45,45,45	0
56	MG	1A	8955	1/1	0.86	0.28	11,11,11,11	0
56	MG	2A	3124	1/1	0.86	0.16	46,46,46,46	0
56	MG	1A	8295	1/1	0.86	0.10	21,21,21,21	0
56	MG	2A	3435	1/1	0.86	0.11	33,33,33,33	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	2A	3305	1/1	0.86	0.08	41,41,41,41	0
56	MG	2a	1799	1/1	0.86	0.19	57,57,57,57	0
56	MG	1A	8232	1/1	0.86	0.17	34,34,34,34	0
56	MG	2a	1804	1/1	0.86	0.23	65,65,65,65	0
56	MG	2B	3007	1/1	0.86	0.12	42,42,42,42	0
56	MG	2B	3008	1/1	0.86	0.23	52,52,52,52	0
56	MG	2B	3009	1/1	0.86	0.22	67,67,67,67	0
56	MG	1B	3003	1/1	0.86	0.13	43,43,43,43	0
56	MG	2A	3636	1/1	0.86	0.33	48,48,48,48	0
56	MG	2a	1820	1/1	0.86	0.30	60,60,60,60	0
56	MG	2A	3795	1/1	0.86	0.19	28,28,28,28	0
56	MG	2A	3319	1/1	0.86	0.20	68,68,68,68	0
56	MG	1A	8686	1/1	0.86	0.21	38,38,38,38	0
56	MG	1A	8193	1/1	0.86	0.19	28,28,28,28	0
56	MG	1a	1735	1/1	0.86	0.24	54,54,54,54	0
56	MG	1x	3005	1/1	0.86	0.21	51,51,51,51	0
56	MG	2A	3808	1/1	0.86	0.11	31,31,31,31	0
56	MG	1A	8074	1/1	0.86	0.26	18,18,18,18	0
56	MG	2A	3500	1/1	0.86	0.32	45,45,45,45	0
56	MG	2A	3207	1/1	0.86	0.67	44,44,44,44	0
56	MG	2D	312	1/1	0.86	0.19	39,39,39,39	0
56	MG	2D	314	1/1	0.86	0.24	25,25,25,25	0
56	MG	2A	3670	1/1	0.86	0.19	32,32,32,32	0
56	MG	2A	3671	1/1	0.86	0.31	45,45,45,45	0
56	MG	2a	1696	1/1	0.87	0.19	36,36,36,36	0
56	MG	1A	8045	1/1	0.87	0.53	11,11,11,11	0
56	MG	1a	1723	1/1	0.87	0.10	40,40,40,40	0
56	MG	1Q	201	1/1	0.87	0.20	17,17,17,17	0
56	MG	2A	3501	1/1	0.87	0.12	41,41,41,41	0
56	MG	1A	8093	1/1	0.87	0.20	20,20,20,20	0
56	MG	2B	3022	1/1	0.87	0.10	59,59,59,59	0
56	MG	1A	8344	1/1	0.87	0.10	26,26,26,26	0
56	MG	2A	3504	1/1	0.87	0.23	45,45,45,45	0
56	MG	2a	1710	1/1	0.87	0.18	55,55,55,55	0
56	MG	1A	8261	1/1	0.87	0.15	55,55,55,55	0
56	MG	2a	1712	1/1	0.87	0.32	64,64,64,64	0
56	MG	2A	3821	1/1	0.87	0.11	48,48,48,48	0
56	MG	2A	3115	1/1	0.87	0.21	41,41,41,41	0
56	MG	2A	3519	1/1	0.87	0.22	31,31,31,31	0
56	MG	1A	8902	1/1	0.87	0.46	51,51,51,51	0
56	MG	1a	1739	1/1	0.87	0.17	50,50,50,50	0
56	MG	1a	1740	1/1	0.87	0.42	54,54,54,54	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	1A	8192	1/1	0.87	0.30	22,22,22,22	0
56	MG	1A	8802	1/1	0.87	0.11	26,26,26,26	0
56	MG	2A	3174	1/1	0.87	0.10	40,40,40,40	0
56	MG	2A	3847	1/1	0.87	0.40	53,53,53,53	0
56	MG	1A	8266	1/1	0.87	0.21	13,13,13,13	0
56	MG	2A	3698	1/1	0.87	0.12	35,35,35,35	0
56	MG	1A	8276	1/1	0.87	0.36	15,15,15,15	0
56	MG	2A	3700	1/1	0.87	0.10	42,42,42,42	0
56	MG	2A	3857	1/1	0.87	0.19	40,40,40,40	0
56	MG	2Y	201	1/1	0.87	0.72	85,85,85,85	0
56	MG	2Y	203	1/1	0.87	0.07	47,47,47,47	0
56	MG	2A	3858	1/1	0.87	0.15	46,46,46,46	0
56	MG	2A	3862	1/1	0.87	0.25	32,32,32,32	0
56	MG	23	101	1/1	0.87	0.29	51,51,51,51	0
56	MG	2A	3863	1/1	0.87	0.25	54,54,54,54	0
56	MG	1A	8137	1/1	0.87	0.40	11,11,11,11	0
56	MG	2A	3704	1/1	0.87	0.22	53,53,53,53	0
56	MG	1A	8196	1/1	0.87	0.18	49,49,49,49	0
56	MG	1a	1629	1/1	0.87	0.31	36,36,36,36	0
56	MG	1A	8972	1/1	0.87	0.25	20,20,20,20	0
56	MG	2A	3219	1/1	0.87	0.22	29,29,29,29	0
56	MG	1A	8695	1/1	0.87	0.17	11,11,11,11	0
56	MG	2a	1764	1/1	0.87	0.23	55,55,55,55	0
56	MG	2a	1766	1/1	0.87	0.50	67,67,67,67	0
56	MG	2A	3893	1/1	0.87	0.15	44,44,44,44	0
56	MG	1A	8005	1/1	0.87	0.14	20,20,20,20	0
56	MG	2a	1613	1/1	0.87	0.14	46,46,46,46	0
56	MG	2A	3552	1/1	0.87	0.31	47,47,47,47	0
56	MG	2a	1621	1/1	0.87	0.20	49,49,49,49	0
56	MG	1A	8080	1/1	0.87	0.24	18,18,18,18	0
56	MG	2A	3402	1/1	0.87	0.09	39,39,39,39	0
56	MG	2A	3908	1/1	0.87	0.77	57,57,57,57	0
56	MG	1A	8542	1/1	0.87	0.26	40,40,40,40	0
56	MG	1a	1657	1/1	0.87	0.12	55,55,55,55	0
56	MG	1A	8299	1/1	0.87	0.08	28,28,28,28	0
56	MG	2a	1787	1/1	0.87	0.08	49,49,49,49	0
56	MG	2A	3736	1/1	0.87	0.29	51,51,51,51	0
56	MG	1A	8857	1/1	0.87	0.17	44,44,44,44	0
56	MG	2A	3588	1/1	0.87	0.24	44,44,44,44	0
56	MG	1a	1661	1/1	0.87	0.20	48,48,48,48	0
56	MG	2a	1798	1/1	0.87	0.18	49,49,49,49	0
56	MG	2A	3931	1/1	0.87	0.14	47,47,47,47	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	2a	1800	1/1	0.87	0.14	39,39,39,39	0
56	MG	1A	8169	1/1	0.87	0.63	16,16,16,16	0
56	MG	2A	3424	1/1	0.87	0.30	50,50,50,50	0
56	MG	2A	3755	1/1	0.87	0.27	50,50,50,50	0
56	MG	2a	1650	1/1	0.87	0.21	46,46,46,46	0
56	MG	2A	3040	1/1	0.87	0.07	53,53,53,53	0
56	MG	1A	8644	1/1	0.87	0.24	36,36,36,36	0
56	MG	2A	3977	1/1	0.87	0.26	30,30,30,30	0
56	MG	1a	1671	1/1	0.87	0.16	39,39,39,39	0
56	MG	2A	3983	1/1	0.87	0.10	23,23,23,23	0
56	MG	1a	1782	1/1	0.87	0.10	38,38,38,38	0
56	MG	1A	8313	1/1	0.87	0.13	16,16,16,16	0
56	MG	1A	8210	1/1	0.87	0.22	14,14,14,14	0
56	MG	1A	8215	1/1	0.87	0.25	12,12,12,12	0
56	MG	1A	8657	1/1	0.87	0.21	19,19,19,19	0
56	MG	1A	8879	1/1	0.87	0.14	25,25,25,25	0
56	MG	2A	3650	1/1	0.87	0.18	36,36,36,36	0
56	MG	2A	3286	1/1	0.87	0.14	21,21,21,21	0
56	MG	2a	1684	1/1	0.87	0.31	41,41,41,41	0
56	MG	2B	3011	1/1	0.87	0.08	73,73,73,73	0
56	MG	2A	3290	1/1	0.87	0.15	31,31,31,31	0
56	MG	1A	8662	1/1	0.87	0.19	29,29,29,29	0
56	MG	1A	8585	1/1	0.87	0.14	29,29,29,29	0
57	ZN	2Y	202	1/1	0.87	0.05	66,66,66,66	0
56	MG	2A	3362	1/1	0.88	0.13	61,61,61,61	0
56	MG	1A	8102	1/1	0.88	0.24	16,16,16,16	0
56	MG	1A	8316	1/1	0.88	0.19	14,14,14,14	0
56	MG	1A	8023	1/1	0.88	0.15	21,21,21,21	0
56	MG	1A	8683	1/1	0.88	0.27	30,30,30,30	0
56	MG	2A	3880	1/1	0.88	0.18	32,32,32,32	0
56	MG	2A	3376	1/1	0.88	0.12	23,23,23,23	0
56	MG	1A	8176	1/1	0.88	0.10	28,28,28,28	0
56	MG	2A	3091	1/1	0.88	0.19	50,50,50,50	0
56	MG	1A	8582	1/1	0.88	0.10	15,15,15,15	0
56	MG	19	104	1/1	0.88	0.19	34,34,34,34	0
56	MG	1A	8437	1/1	0.88	0.16	6,6,6,6	0
56	MG	1A	8865	1/1	0.88	0.21	28,28,28,28	0
56	MG	1A	8324	1/1	0.88	0.12	17,17,17,17	0
56	MG	2A	3678	1/1	0.88	0.31	49,49,49,49	0
56	MG	1A	8602	1/1	0.88	0.11	47,47,47,47	0
56	MG	2A	3683	1/1	0.88	0.23	73,73,73,73	0
56	MG	1A	8442	1/1	0.88	0.15	47,47,47,47	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	2A	3419	1/1	0.88	0.08	48,48,48,48	0
56	MG	1A	8449	1/1	0.88	0.08	61,61,61,61	0
56	MG	1A	8464	1/1	0.88	0.21	7,7,7,7	0
56	MG	1A	8716	1/1	0.88	0.11	39,39,39,39	0
56	MG	2A	3945	1/1	0.88	0.13	22,22,22,22	0
56	MG	2A	3947	1/1	0.88	0.30	24,24,24,24	0
56	MG	1a	1780	1/1	0.88	0.13	61,61,61,61	0
56	MG	2A	3957	1/1	0.88	0.34	41,41,41,41	0
56	MG	2A	3427	1/1	0.88	0.19	22,22,22,22	0
56	MG	2A	3149	1/1	0.88	0.20	32,32,32,32	0
56	MG	1A	8010	1/1	0.88	0.21	7,7,7,7	0
56	MG	1A	8722	1/1	0.88	0.10	22,22,22,22	0
56	MG	1A	8724	1/1	0.88	0.12	17,17,17,17	0
56	MG	2A	3437	1/1	0.88	0.07	59,59,59,59	0
56	MG	1a	1784	1/1	0.88	0.20	54,54,54,54	0
56	MG	1A	8727	1/1	0.88	0.10	36,36,36,36	0
56	MG	2A	3200	1/1	0.88	0.23	21,21,21,21	0
56	MG	2A	3711	1/1	0.88	0.12	29,29,29,29	0
56	MG	1a	1652	1/1	0.88	0.16	47,47,47,47	0
56	MG	1a	1656	1/1	0.88	0.15	51,51,51,51	0
56	MG	2A	3205	1/1	0.88	1.05	44,44,44,44	0
56	MG	1A	8612	1/1	0.88	0.14	8,8,8,8	0
56	MG	2A	3213	1/1	0.88	0.22	32,32,32,32	0
56	MG	2A	3728	1/1	0.88	0.11	56,56,56,56	0
56	MG	2a	1727	1/1	0.88	0.23	49,49,49,49	0
56	MG	2A	3485	1/1	0.88	0.07	44,44,44,44	0
56	MG	1A	8904	1/1	0.88	0.10	41,41,41,41	0
56	MG	2A	3498	1/1	0.88	0.18	45,45,45,45	0
56	MG	1A	8732	1/1	0.88	0.24	33,33,33,33	0
56	MG	1A	8264	1/1	0.88	0.24	37,37,37,37	0
56	MG	2A	3737	1/1	0.88	0.20	44,44,44,44	0
56	MG	1A	8469	1/1	0.88	0.08	29,29,29,29	0
56	MG	2A	3232	1/1	0.88	0.30	46,46,46,46	0
56	MG	1a	1669	1/1	0.88	0.40	42,42,42,42	0
56	MG	1A	8119	1/1	0.88	0.09	29,29,29,29	0
56	MG	2A	3239	1/1	0.88	0.35	51,51,51,51	0
56	MG	1A	8048	1/1	0.88	0.18	22,22,22,22	0
56	MG	1A	8966	1/1	0.88	0.11	22,22,22,22	0
56	MG	1A	8055	1/1	0.88	0.25	10,10,10,10	0
56	MG	1A	8033	1/1	0.88	0.22	27,27,27,27	0
56	MG	2a	1760	1/1	0.88	0.13	56,56,56,56	0
56	MG	2E	303	1/1	0.88	0.17	64,64,64,64	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	2A	3767	1/1	0.88	0.14	52,52,52,52	0
56	MG	1A	8767	1/1	0.88	0.09	33,33,33,33	0
56	MG	2A	3261	1/1	0.88	1.14	42,42,42,42	0
56	MG	1a	1814	1/1	0.88	0.16	40,40,40,40	0
56	MG	2A	3528	1/1	0.88	0.08	40,40,40,40	0
56	MG	2A	3779	1/1	0.88	0.23	34,34,34,34	0
56	MG	2N	201	1/1	0.88	0.21	50,50,50,50	0
56	MG	1A	8144	1/1	0.88	0.16	35,35,35,35	0
56	MG	1a	1697	1/1	0.88	0.08	38,38,38,38	0
56	MG	1a	1700	1/1	0.88	0.21	45,45,45,45	0
56	MG	2A	3792	1/1	0.88	0.10	44,44,44,44	0
56	MG	2U	205	1/1	0.88	0.24	49,49,49,49	0
56	MG	2A	3793	1/1	0.88	0.15	34,34,34,34	0
56	MG	1a	1704	1/1	0.88	0.17	47,47,47,47	0
56	MG	1A	8504	1/1	0.88	0.17	30,30,30,30	0
56	MG	1A	8634	1/1	0.88	0.20	39,39,39,39	0
56	MG	1a	1834	1/1	0.88	0.15	46,46,46,46	0
56	MG	1A	8202	1/1	0.88	0.27	11,11,11,11	0
56	MG	1a	1718	1/1	0.88	0.09	44,44,44,44	0
56	MG	1A	8069	1/1	0.88	0.18	18,18,18,18	0
56	MG	27	102	1/1	0.88	0.12	56,56,56,56	0
56	MG	1A	8519	1/1	0.88	0.22	29,29,29,29	0
56	MG	1A	8206	1/1	0.88	0.31	18,18,18,18	0
56	MG	1a	1730	1/1	0.88	0.25	43,43,43,43	0
56	MG	2a	1803	1/1	0.88	0.10	41,41,41,41	0
56	MG	1l	201	1/1	0.88	0.14	42,42,42,42	0
56	MG	1A	8532	1/1	0.88	0.27	15,15,15,15	0
56	MG	1x	3002	1/1	0.88	0.19	44,44,44,44	0
56	MG	1A	8534	1/1	0.88	0.15	52,52,52,52	0
56	MG	2A	3590	1/1	0.88	0.14	65,65,65,65	0
56	MG	2a	1811	1/1	0.88	0.10	59,59,59,59	0
56	MG	1A	8383	1/1	0.88	0.09	10,10,10,10	0
56	MG	1A	8312	1/1	0.88	0.10	7,7,7,7	0
56	MG	2A	3602	1/1	0.88	0.12	53,53,53,53	0
56	MG	1H	201	1/1	0.88	0.14	38,38,38,38	0
56	MG	1A	8412	1/1	0.88	0.18	6,6,6,6	0
56	MG	2a	1624	1/1	0.88	0.51	48,48,48,48	0
56	MG	2A	3041	1/1	0.88	0.18	39,39,39,39	0
56	MG	2A	3050	1/1	0.88	0.21	39,39,39,39	0
56	MG	1a	1747	1/1	0.88	0.13	65,65,65,65	0
56	MG	1A	8547	1/1	0.88	0.11	21,21,21,21	0
56	MG	2A	3343	1/1	0.88	0.15	35,35,35,35	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	2A	3062	1/1	0.88	0.28	37,37,37,37	0
56	MG	2A	3630	1/1	0.88	0.19	57,57,57,57	0
56	MG	1A	8846	1/1	0.88	0.17	37,37,37,37	0
56	MG	1a	1751	1/1	0.88	0.30	59,59,59,59	0
56	MG	2A	3356	1/1	0.88	0.15	30,30,30,30	0
56	MG	2A	3657	1/1	0.88	0.41	33,33,33,33	0
56	MG	2A	3910	1/1	0.89	0.23	60,60,60,60	0
56	MG	2A	3259	1/1	0.89	0.29	33,33,33,33	0
56	MG	2A	3018	1/1	0.89	0.27	55,55,55,55	0
56	MG	2A	3029	1/1	0.89	1.02	31,31,31,31	0
56	MG	2A	3495	1/1	0.89	0.32	57,57,57,57	0
56	MG	2A	3035	1/1	0.89	0.15	37,37,37,37	0
56	MG	2A	3499	1/1	0.89	0.25	51,51,51,51	0
56	MG	1A	8171	1/1	0.89	0.14	28,28,28,28	0
56	MG	2A	3928	1/1	0.89	0.30	31,31,31,31	0
56	MG	2A	3929	1/1	0.89	0.15	48,48,48,48	0
56	MG	1A	8389	1/1	0.89	0.07	32,32,32,32	0
56	MG	2a	1681	1/1	0.89	0.18	45,45,45,45	0
56	MG	2A	3044	1/1	0.89	0.17	39,39,39,39	0
56	MG	2A	3049	1/1	0.89	0.14	43,43,43,43	0
56	MG	1A	8124	1/1	0.89	0.16	16,16,16,16	0
56	MG	2A	3282	1/1	0.89	0.24	63,63,63,63	0
56	MG	2A	3051	1/1	0.89	0.26	29,29,29,29	0
56	MG	2A	3722	1/1	0.89	0.12	42,42,42,42	0
56	MG	1A	8794	1/1	0.89	0.12	24,24,24,24	0
56	MG	2A	3727	1/1	0.89	0.21	44,44,44,44	0
56	MG	1a	1677	1/1	0.89	0.15	49,49,49,49	0
56	MG	1A	8129	1/1	0.89	0.19	19,19,19,19	0
56	MG	1A	8797	1/1	0.89	0.11	20,20,20,20	0
56	MG	2A	3298	1/1	0.89	0.11	29,29,29,29	0
56	MG	2A	3303	1/1	0.89	0.12	30,30,30,30	0
56	MG	1a	1681	1/1	0.89	0.17	52,52,52,52	0
56	MG	1a	1682	1/1	0.89	0.47	45,45,45,45	0
56	MG	1a	1683	1/1	0.89	0.15	39,39,39,39	0
56	MG	2A	3316	1/1	0.89	0.34	34,34,34,34	0
56	MG	1A	8573	1/1	0.89	0.15	18,18,18,18	0
56	MG	1A	8130	1/1	0.89	0.20	20,20,20,20	0
56	MG	2A	3749	1/1	0.89	0.29	50,50,50,50	0
56	MG	2A	3544	1/1	0.89	0.08	38,38,38,38	0
56	MG	1A	8495	1/1	0.89	0.16	14,14,14,14	0
56	MG	2A	3546	1/1	0.89	0.22	54,54,54,54	0
56	MG	1A	8894	1/1	0.89	0.14	8,8,8,8	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	1A	8418	1/1	0.89	0.09	22,22,22,22	0
56	MG	1A	8648	1/1	0.89	0.16	27,27,27,27	0
56	MG	1S	201	1/1	0.89	0.13	23,23,23,23	0
56	MG	1A	8348	1/1	0.89	0.14	7,7,7,7	0
56	MG	1a	1713	1/1	0.89	0.11	39,39,39,39	0
56	MG	1A	8013	1/1	0.89	0.14	20,20,20,20	0
56	MG	10	107	1/1	0.89	0.10	36,36,36,36	0
56	MG	15	103	1/1	0.89	0.19	20,20,20,20	0
56	MG	2D	302	1/1	0.89	0.31	44,44,44,44	0
56	MG	2A	3123	1/1	0.89	0.12	41,41,41,41	0
56	MG	1a	1805	1/1	0.89	0.07	55,55,55,55	0
56	MG	2A	3584	1/1	0.89	0.18	30,30,30,30	0
56	MG	15	106	1/1	0.89	0.32	20,20,20,20	0
56	MG	2A	3794	1/1	0.89	0.07	63,63,63,63	0
56	MG	2A	3138	1/1	0.89	0.24	31,31,31,31	0
56	MG	2A	3358	1/1	0.89	0.08	27,27,27,27	0
56	MG	1A	8255	1/1	0.89	0.58	33,33,33,33	0
56	MG	1A	8827	1/1	0.89	0.07	12,12,12,12	0
56	MG	1A	8915	1/1	0.89	0.13	38,38,38,38	0
56	MG	2A	3161	1/1	0.89	0.14	33,33,33,33	0
56	MG	1A	8828	1/1	0.89	0.07	40,40,40,40	0
56	MG	2N	202	1/1	0.89	0.21	49,49,49,49	0
56	MG	2A	3610	1/1	0.89	0.14	57,57,57,57	0
56	MG	1a	1612	1/1	0.89	0.09	52,52,52,52	0
56	MG	1a	1614	1/1	0.89	0.24	52,52,52,52	0
56	MG	2R	202	1/1	0.89	0.21	21,21,21,21	0
56	MG	2A	3617	1/1	0.89	0.09	43,43,43,43	0
56	MG	2A	3390	1/1	0.89	0.10	45,45,45,45	0
56	MG	2U	207	1/1	0.89	0.15	29,29,29,29	0
56	MG	2A	3622	1/1	0.89	0.17	44,44,44,44	0
56	MG	2A	3181	1/1	0.89	0.35	31,31,31,31	0
56	MG	2a	1779	1/1	0.89	0.16	48,48,48,48	0
56	MG	2A	3628	1/1	0.89	0.15	59,59,59,59	0
56	MG	2A	3398	1/1	0.89	0.21	39,39,39,39	0
56	MG	2A	3830	1/1	0.89	0.13	42,42,42,42	0
56	MG	2A	3182	1/1	0.89	0.24	34,34,34,34	0
56	MG	2A	3185	1/1	0.89	0.24	45,45,45,45	0
56	MG	2A	3834	1/1	0.89	0.28	55,55,55,55	0
56	MG	1A	8834	1/1	0.89	0.09	18,18,18,18	0
56	MG	2a	1791	1/1	0.89	0.11	51,51,51,51	0
56	MG	2A	3837	1/1	0.89	0.20	21,21,21,21	0
56	MG	1a	1742	1/1	0.89	0.15	32,32,32,32	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	1A	8934	1/1	0.89	0.12	48,48,48,48	0
56	MG	1A	8140	1/1	0.89	0.06	52,52,52,52	0
56	MG	1A	8526	1/1	0.89	0.08	42,42,42,42	0
56	MG	2a	1607	1/1	0.89	0.35	55,55,55,55	0
56	MG	1A	8107	1/1	0.89	0.24	18,18,18,18	0
56	MG	2A	3420	1/1	0.89	0.18	54,54,54,54	0
56	MG	1A	8447	1/1	0.89	0.20	13,13,13,13	0
56	MG	1A	8852	1/1	0.89	0.11	27,27,27,27	0
56	MG	1A	8096	1/1	0.89	0.20	10,10,10,10	0
56	MG	2A	3221	1/1	0.89	0.62	29,29,29,29	0
56	MG	1A	8051	1/1	0.89	0.20	10,10,10,10	0
56	MG	1B	3007	1/1	0.89	0.12	37,37,37,37	0
56	MG	1n	101	1/1	0.89	0.31	51,51,51,51	0
56	MG	1A	8738	1/1	0.89	0.08	38,38,38,38	0
56	MG	2A	3235	1/1	0.89	0.33	43,43,43,43	0
56	MG	2a	1629	1/1	0.89	0.53	53,53,53,53	0
56	MG	1A	8026	1/1	0.89	0.32	10,10,10,10	0
56	MG	1B	3018	1/1	0.89	0.13	41,41,41,41	0
56	MG	1B	3020	1/1	0.89	0.14	23,23,23,23	0
56	MG	2A	3881	1/1	0.89	0.26	56,56,56,56	0
56	MG	1A	8270	1/1	0.89	0.24	20,20,20,20	0
56	MG	2A	3889	1/1	0.89	0.30	63,63,63,63	0
56	MG	2A	3892	1/1	0.89	0.15	34,34,34,34	0
56	MG	2A	3461	1/1	0.89	0.13	30,30,30,30	0
56	MG	1A	8685	1/1	0.89	0.10	51,51,51,51	0
56	MG	2A	3015	1/1	0.89	0.19	18,18,18,18	0
56	MG	2x	109	1/1	0.89	0.24	56,56,56,56	0
56	MG	2A	3255	1/1	0.89	0.17	45,45,45,45	0
56	MG	2A	3479	1/1	0.89	0.12	26,26,26,26	0
56	MG	2A	3016	1/1	0.89	0.55	34,34,34,34	0
57	ZN	24	501	1/1	0.89	0.14	99,99,99,99	0
56	MG	2A	3438	1/1	0.90	0.16	25,25,25,25	0
56	MG	2A	3442	1/1	0.90	0.19	23,23,23,23	0
56	MG	1a	1757	1/1	0.90	0.13	44,44,44,44	0
56	MG	2A	3250	1/1	0.90	0.71	40,40,40,40	0
56	MG	2A	3891	1/1	0.90	0.23	43,43,43,43	0
56	MG	2A	3034	1/1	0.90	0.19	23,23,23,23	0
56	MG	1A	8613	1/1	0.90	0.10	36,36,36,36	0
56	MG	2a	1652	1/1	0.90	0.17	28,28,28,28	0
56	MG	2A	3036	1/1	0.90	0.14	34,34,34,34	0
56	MG	2a	1655	1/1	0.90	0.18	48,48,48,48	0
56	MG	2A	3037	1/1	0.90	0.18	50,50,50,50	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	2A	3468	1/1	0.90	0.19	47,47,47,47	0
56	MG	2A	3475	1/1	0.90	0.09	23,23,23,23	0
56	MG	1A	8958	1/1	0.90	0.22	28,28,28,28	0
56	MG	1A	8214	1/1	0.90	0.27	10,10,10,10	0
56	MG	2A	3914	1/1	0.90	0.16	51,51,51,51	0
56	MG	1A	8443	1/1	0.90	0.17	13,13,13,13	0
56	MG	1A	8971	1/1	0.90	0.21	9,9,9,9	0
56	MG	2A	3484	1/1	0.90	0.23	57,57,57,57	0
56	MG	1A	8616	1/1	0.90	0.26	61,61,61,61	0
56	MG	2A	3703	1/1	0.90	0.15	26,26,26,26	0
56	MG	1A	8829	1/1	0.90	0.33	42,42,42,42	0
56	MG	2A	3055	1/1	0.90	0.54	32,32,32,32	0
56	MG	1A	8001	1/1	0.90	0.14	37,37,37,37	0
56	MG	2a	1686	1/1	0.90	0.06	41,41,41,41	0
56	MG	1A	8618	1/1	0.90	0.29	41,41,41,41	0
56	MG	2a	1689	1/1	0.90	0.16	41,41,41,41	0
56	MG	1A	8839	1/1	0.90	0.30	31,31,31,31	0
56	MG	1A	8157	1/1	0.90	0.20	23,23,23,23	0
56	MG	2A	3937	1/1	0.90	0.27	38,38,38,38	0
56	MG	2A	3944	1/1	0.90	0.48	28,28,28,28	0
56	MG	1B	3011	1/1	0.90	0.08	39,39,39,39	0
56	MG	2A	3287	1/1	0.90	0.20	53,53,53,53	0
56	MG	1A	8457	1/1	0.90	0.11	9,9,9,9	0
56	MG	2A	3955	1/1	0.90	0.38	35,35,35,35	0
56	MG	1a	1668	1/1	0.90	0.28	47,47,47,47	0
56	MG	1A	8847	1/1	0.90	0.25	16,16,16,16	0
56	MG	1A	8461	1/1	0.90	0.12	10,10,10,10	0
56	MG	1A	8168	1/1	0.90	0.15	23,23,23,23	0
56	MG	1A	8546	1/1	0.90	0.11	21,21,21,21	0
56	MG	2A	3309	1/1	0.90	0.08	38,38,38,38	0
56	MG	1A	8012	1/1	0.90	0.11	18,18,18,18	0
56	MG	2A	3984	1/1	0.90	0.55	37,37,37,37	0
56	MG	2A	3314	1/1	0.90	0.18	22,22,22,22	0
56	MG	1A	8198	1/1	0.90	0.19	8,8,8,8	0
56	MG	1D	312	1/1	0.90	0.13	41,41,41,41	0
56	MG	2A	3739	1/1	0.90	0.28	46,46,46,46	0
56	MG	1A	8550	1/1	0.90	0.17	35,35,35,35	0
56	MG	1E	306	1/1	0.90	0.09	41,41,41,41	0
56	MG	1A	8034	1/1	0.90	0.14	24,24,24,24	0
56	MG	2a	1724	1/1	0.90	0.22	56,56,56,56	0
56	MG	1A	8402	1/1	0.90	0.11	29,29,29,29	0
56	MG	1A	8737	1/1	0.90	0.08	24,24,24,24	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	2A	3117	1/1	0.90	0.39	45,45,45,45	0
56	MG	2a	1730	1/1	0.90	0.10	71,71,71,71	0
56	MG	2A	3118	1/1	0.90	0.37	48,48,48,48	0
56	MG	2A	3122	1/1	0.90	0.09	55,55,55,55	0
56	MG	2A	3758	1/1	0.90	0.21	28,28,28,28	0
56	MG	1A	8558	1/1	0.90	0.08	42,42,42,42	0
56	MG	2a	1735	1/1	0.90	0.26	51,51,51,51	0
56	MG	2a	1736	1/1	0.90	0.14	68,68,68,68	0
56	MG	1a	1698	1/1	0.90	0.07	29,29,29,29	0
56	MG	2A	3766	1/1	0.90	0.12	41,41,41,41	0
56	MG	1A	8741	1/1	0.90	0.33	25,25,25,25	0
56	MG	1A	8742	1/1	0.90	0.09	50,50,50,50	0
56	MG	2A	3770	1/1	0.90	0.08	40,40,40,40	0
56	MG	2A	3142	1/1	0.90	0.25	36,36,36,36	0
56	MG	1A	8559	1/1	0.90	0.15	43,43,43,43	0
56	MG	2A	3354	1/1	0.90	0.09	27,27,27,27	0
56	MG	1A	8571	1/1	0.90	0.08	34,34,34,34	0
56	MG	2A	3566	1/1	0.90	0.14	43,43,43,43	0
56	MG	2A	3571	1/1	0.90	0.16	26,26,26,26	0
56	MG	1A	8121	1/1	0.90	0.11	19,19,19,19	0
56	MG	1R	204	1/1	0.90	0.16	26,26,26,26	0
56	MG	1A	8482	1/1	0.90	0.14	31,31,31,31	0
56	MG	2A	3586	1/1	0.90	0.17	33,33,33,33	0
56	MG	2A	3365	1/1	0.90	0.16	47,47,47,47	0
56	MG	2A	3796	1/1	0.90	0.18	29,29,29,29	0
56	MG	2A	3368	1/1	0.90	0.50	54,54,54,54	0
56	MG	2A	3167	1/1	0.90	0.16	26,26,26,26	0
56	MG	1A	8242	1/1	0.90	0.22	44,44,44,44	0
56	MG	10	101	1/1	0.90	0.22	42,42,42,42	0
56	MG	2a	1774	1/1	0.90	0.14	54,54,54,54	0
56	MG	1A	8244	1/1	0.90	0.19	11,11,11,11	0
56	MG	2P	201	1/1	0.90	0.25	38,38,38,38	0
56	MG	2A	3604	1/1	0.90	0.08	43,43,43,43	0
56	MG	2Q	203	1/1	0.90	0.25	33,33,33,33	0
56	MG	2A	3382	1/1	0.90	0.11	38,38,38,38	0
56	MG	10	106	1/1	0.90	0.08	46,46,46,46	0
56	MG	1A	8672	1/1	0.90	0.13	19,19,19,19	0
56	MG	2A	3195	1/1	0.90	0.29	31,31,31,31	0
56	MG	1A	8246	1/1	0.90	0.14	45,45,45,45	0
56	MG	2A	3399	1/1	0.90	0.27	46,46,46,46	0
56	MG	2a	1789	1/1	0.90	0.05	63,63,63,63	0
56	MG	2X	102	1/1	0.90	0.11	40,40,40,40	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	1A	8060	1/1	0.90	0.14	31,31,31,31	0
56	MG	2A	3621	1/1	0.90	0.13	44,44,44,44	0
56	MG	15	107	1/1	0.90	0.19	17,17,17,17	0
56	MG	2A	3829	1/1	0.90	0.25	53,53,53,53	0
56	MG	1A	8177	1/1	0.90	0.52	55,55,55,55	0
56	MG	2A	3624	1/1	0.90	0.15	52,52,52,52	0
56	MG	1A	8425	1/1	0.90	0.16	12,12,12,12	0
56	MG	1a	1743	1/1	0.90	0.16	41,41,41,41	0
56	MG	1A	8907	1/1	0.90	0.34	26,26,26,26	0
56	MG	2A	3414	1/1	0.90	0.07	46,46,46,46	0
56	MG	1l	203	1/1	0.90	0.15	56,56,56,56	0
56	MG	2A	3639	1/1	0.90	0.46	41,41,41,41	0
56	MG	2A	3644	1/1	0.90	0.07	40,40,40,40	0
56	MG	1A	8291	1/1	0.90	0.47	13,13,13,13	0
56	MG	2a	1608	1/1	0.90	0.13	36,36,36,36	0
56	MG	2a	1819	1/1	0.90	0.34	59,59,59,59	0
56	MG	1a	1608	1/1	0.90	0.23	47,47,47,47	0
56	MG	2A	3851	1/1	0.90	0.11	37,37,37,37	0
56	MG	2d	503	1/1	0.90	0.09	54,54,54,54	0
56	MG	1A	8518	1/1	0.90	0.15	35,35,35,35	0
56	MG	2a	1612	1/1	0.90	0.11	43,43,43,43	0
56	MG	1x	3003	1/1	0.90	0.14	31,31,31,31	0
56	MG	2h	3001	1/1	0.90	0.36	30,30,30,30	0
56	MG	2A	3225	1/1	0.90	0.34	42,42,42,42	0
56	MG	2A	3663	1/1	0.90	0.20	61,61,61,61	0
56	MG	1a	1750	1/1	0.90	0.19	56,56,56,56	0
56	MG	1A	8803	1/1	0.90	0.12	59,59,59,59	0
56	MG	2A	3428	1/1	0.90	0.13	30,30,30,30	0
56	MG	1a	1752	1/1	0.90	0.14	45,45,45,45	0
56	MG	2A	3868	1/1	0.90	0.15	48,48,48,48	0
56	MG	2a	1627	1/1	0.90	0.08	45,45,45,45	0
56	MG	1A	8921	1/1	0.90	0.14	52,52,52,52	0
56	MG	2x	110	1/1	0.90	0.11	42,42,42,42	0
56	MG	1A	8061	1/1	0.90	0.09	41,41,41,41	0
56	MG	2A	3871	1/1	0.90	0.14	56,56,56,56	0
56	MG	1A	8688	1/1	0.90	0.09	20,20,20,20	0
56	MG	1A	8946	1/1	0.90	0.21	11,11,11,11	0
56	MG	2A	3802	1/1	0.91	0.31	54,54,54,54	0
56	MG	2A	3556	1/1	0.91	0.14	49,49,49,49	0
56	MG	2A	3804	1/1	0.91	0.54	33,33,33,33	0
56	MG	1A	8523	1/1	0.91	0.15	23,23,23,23	0
56	MG	1A	8911	1/1	0.91	0.30	32,32,32,32	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	2A	3807	1/1	0.91	0.10	29,29,29,29	0
56	MG	1A	8289	1/1	0.91	0.17	8,8,8,8	0
56	MG	2A	3077	1/1	0.91	0.36	30,30,30,30	0
56	MG	1A	8002	1/1	0.91	0.17	21,21,21,21	0
56	MG	2A	3567	1/1	0.91	0.11	43,43,43,43	0
56	MG	2A	3082	1/1	0.91	0.26	35,35,35,35	0
56	MG	2a	1617	1/1	0.91	0.10	50,50,50,50	0
56	MG	2A	3331	1/1	0.91	0.24	48,48,48,48	0
56	MG	2A	3577	1/1	0.91	0.19	25,25,25,25	0
56	MG	1A	8918	1/1	0.91	0.18	16,16,16,16	0
56	MG	2A	3582	1/1	0.91	0.28	27,27,27,27	0
56	MG	1a	1624	1/1	0.91	0.22	34,34,34,34	0
56	MG	1A	8919	1/1	0.91	0.14	11,11,11,11	0
56	MG	2A	3587	1/1	0.91	0.78	39,39,39,39	0
56	MG	1a	1778	1/1	0.91	0.10	33,33,33,33	0
56	MG	1A	8641	1/1	0.91	0.13	20,20,20,20	0
56	MG	2A	3344	1/1	0.91	0.12	41,41,41,41	0
56	MG	1a	1634	1/1	0.91	0.15	22,22,22,22	0
56	MG	2A	3600	1/1	0.91	0.27	40,40,40,40	0
56	MG	1A	8106	1/1	0.91	0.15	22,22,22,22	0
56	MG	1A	8925	1/1	0.91	0.20	32,32,32,32	0
56	MG	2A	3111	1/1	0.91	0.47	47,47,47,47	0
56	MG	2a	1643	1/1	0.91	0.30	57,57,57,57	0
56	MG	1a	1638	1/1	0.91	0.14	27,27,27,27	0
56	MG	1A	8789	1/1	0.91	0.16	22,22,22,22	0
56	MG	2A	3609	1/1	0.91	0.12	47,47,47,47	0
56	MG	1A	8941	1/1	0.91	0.29	45,45,45,45	0
56	MG	2A	3612	1/1	0.91	0.15	40,40,40,40	0
56	MG	2A	3363	1/1	0.91	0.13	26,26,26,26	0
56	MG	1A	8533	1/1	0.91	0.14	28,28,28,28	0
56	MG	2A	3860	1/1	0.91	0.09	46,46,46,46	0
56	MG	1A	8952	1/1	0.91	0.28	17,17,17,17	0
56	MG	2A	3618	1/1	0.91	0.15	43,43,43,43	0
56	MG	1A	8241	1/1	0.91	0.14	10,10,10,10	0
56	MG	2A	3369	1/1	0.91	0.10	25,25,25,25	0
56	MG	2a	1666	1/1	0.91	0.15	55,55,55,55	0
56	MG	1A	8300	1/1	0.91	0.18	23,23,23,23	0
56	MG	2a	1670	1/1	0.91	0.24	53,53,53,53	0
56	MG	1a	1792	1/1	0.91	0.11	41,41,41,41	0
56	MG	1a	1658	1/1	0.91	0.40	29,29,29,29	0
56	MG	2a	1675	1/1	0.91	0.18	42,42,42,42	0
56	MG	2A	3375	1/1	0.91	0.19	24,24,24,24	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	2A	3131	1/1	0.91	1.08	33,33,33,33	0
56	MG	2A	3377	1/1	0.91	0.19	32,32,32,32	0
56	MG	2A	3879	1/1	0.91	0.22	36,36,36,36	0
56	MG	2A	3633	1/1	0.91	0.30	44,44,44,44	0
56	MG	2A	3379	1/1	0.91	0.11	36,36,36,36	0
56	MG	2A	3883	1/1	0.91	0.09	60,60,60,60	0
56	MG	1A	8420	1/1	0.91	0.09	28,28,28,28	0
56	MG	2A	3139	1/1	0.91	0.23	45,45,45,45	0
56	MG	2A	3640	1/1	0.91	0.28	26,26,26,26	0
56	MG	2A	3389	1/1	0.91	0.07	45,45,45,45	0
56	MG	2A	3646	1/1	0.91	0.15	51,51,51,51	0
56	MG	2A	3141	1/1	0.91	0.11	27,27,27,27	0
56	MG	1A	8655	1/1	0.91	0.16	22,22,22,22	0
56	MG	1A	8050	1/1	0.91	0.20	23,23,23,23	0
56	MG	1A	8024	1/1	0.91	0.29	8,8,8,8	0
56	MG	2A	3157	1/1	0.91	0.10	40,40,40,40	0
56	MG	1A	8115	1/1	0.91	0.19	13,13,13,13	0
56	MG	2A	3159	1/1	0.91	0.14	36,36,36,36	0
56	MG	1A	8666	1/1	0.91	0.10	18,18,18,18	0
56	MG	2A	3410	1/1	0.91	0.04	45,45,45,45	0
56	MG	1A	8548	1/1	0.91	0.09	27,27,27,27	0
56	MG	2A	3921	1/1	0.91	0.34	19,19,19,19	0
56	MG	1A	8315	1/1	0.91	0.23	28,28,28,28	0
56	MG	1B	3008	1/1	0.91	0.14	35,35,35,35	0
56	MG	2A	3415	1/1	0.91	0.29	34,34,34,34	0
56	MG	2A	3925	1/1	0.91	0.05	42,42,42,42	0
56	MG	2A	3416	1/1	0.91	0.10	28,28,28,28	0
56	MG	1A	8019	1/1	0.91	0.38	12,12,12,12	0
56	MG	1A	8200	1/1	0.91	0.13	46,46,46,46	0
56	MG	1B	3016	1/1	0.91	0.14	51,51,51,51	0
56	MG	1A	8152	1/1	0.91	0.09	28,28,28,28	0
56	MG	2A	3680	1/1	0.91	0.38	38,38,38,38	0
56	MG	2A	3188	1/1	0.91	0.34	33,33,33,33	0
56	MG	1a	1821	1/1	0.91	0.20	39,39,39,39	0
56	MG	1a	1823	1/1	0.91	0.11	42,42,42,42	0
56	MG	2a	1728	1/1	0.91	0.34	64,64,64,64	0
56	MG	2a	1729	1/1	0.91	0.32	62,62,62,62	0
56	MG	2A	3948	1/1	0.91	0.46	42,42,42,42	0
56	MG	1A	8448	1/1	0.91	0.19	8,8,8,8	0
56	MG	2A	3954	1/1	0.91	0.55	41,41,41,41	0
56	MG	1A	8323	1/1	0.91	0.10	20,20,20,20	0
56	MG	1A	8154	1/1	0.91	0.24	22,22,22,22	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	2A	3203	1/1	0.91	0.58	28,28,28,28	0
56	MG	2A	3960	1/1	0.91	0.72	45,45,45,45	0
56	MG	2A	3204	1/1	0.91	0.33	31,31,31,31	0
56	MG	1A	8203	1/1	0.91	0.11	15,15,15,15	0
56	MG	2A	3971	1/1	0.91	0.47	41,41,41,41	0
56	MG	1A	8120	1/1	0.91	0.12	53,53,53,53	0
56	MG	2A	3978	1/1	0.91	0.16	41,41,41,41	0
56	MG	2a	1745	1/1	0.91	0.05	55,55,55,55	0
56	MG	1D	304	1/1	0.91	0.21	14,14,14,14	0
56	MG	1a	1840	1/1	0.91	0.22	55,55,55,55	0
56	MG	1A	8579	1/1	0.91	0.25	27,27,27,27	0
56	MG	2a	1754	1/1	0.91	0.07	42,42,42,42	0
56	MG	1A	8027	1/1	0.91	0.13	38,38,38,38	0
56	MG	2B	3001	1/1	0.91	0.12	59,59,59,59	0
56	MG	1A	8040	1/1	0.91	0.34	32,32,32,32	0
56	MG	2A	3460	1/1	0.91	0.19	25,25,25,25	0
56	MG	1A	8587	1/1	0.91	0.24	21,21,21,21	0
56	MG	1A	8698	1/1	0.91	0.06	30,30,30,30	0
56	MG	1A	8044	1/1	0.91	0.24	7,7,7,7	0
56	MG	2A	3715	1/1	0.91	0.15	28,28,28,28	0
56	MG	1A	8600	1/1	0.91	0.33	26,26,26,26	0
56	MG	2A	3474	1/1	0.91	0.07	37,37,37,37	0
56	MG	1A	8858	1/1	0.91	0.14	28,28,28,28	0
56	MG	1N	203	1/1	0.91	0.14	47,47,47,47	0
56	MG	1o	102	1/1	0.91	0.10	26,26,26,26	0
56	MG	2B	3016	1/1	0.91	0.19	55,55,55,55	0
56	MG	1A	8126	1/1	0.91	0.22	12,12,12,12	0
56	MG	2a	1777	1/1	0.91	0.20	45,45,45,45	0
56	MG	1A	8175	1/1	0.91	0.19	25,25,25,25	0
56	MG	1A	8478	1/1	0.91	0.42	9,9,9,9	0
56	MG	2A	3730	1/1	0.91	0.22	50,50,50,50	0
56	MG	1A	8719	1/1	0.91	0.13	9,9,9,9	0
56	MG	1A	8269	1/1	0.91	0.12	23,23,23,23	0
56	MG	2A	3490	1/1	0.91	0.17	39,39,39,39	0
56	MG	2A	3006	1/1	0.91	0.21	45,45,45,45	0
56	MG	2A	3010	1/1	0.91	0.34	28,28,28,28	0
56	MG	1A	8128	1/1	0.91	0.24	40,40,40,40	0
56	MG	2A	3740	1/1	0.91	0.40	39,39,39,39	0
56	MG	2a	1790	1/1	0.91	0.15	51,51,51,51	0
56	MG	2A	3014	1/1	0.91	0.23	39,39,39,39	0
56	MG	2D	315	1/1	0.91	0.10	24,24,24,24	0
56	MG	1A	8224	1/1	0.91	0.25	15,15,15,15	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	1A	8874	1/1	0.91	0.10	9,9,9,9	0
56	MG	2E	301	1/1	0.91	0.18	37,37,37,37	0
56	MG	2E	302	1/1	0.91	0.11	26,26,26,26	0
56	MG	1A	8491	1/1	0.91	0.15	9,9,9,9	0
56	MG	2F	301	1/1	0.91	0.16	43,43,43,43	0
56	MG	2F	302	1/1	0.91	0.32	28,28,28,28	0
56	MG	1A	8731	1/1	0.91	0.41	40,40,40,40	0
56	MG	2A	3030	1/1	0.91	0.15	47,47,47,47	0
56	MG	2a	1806	1/1	0.91	0.18	65,65,65,65	0
56	MG	2A	3031	1/1	0.91	0.48	27,27,27,27	0
56	MG	10	105	1/1	0.91	0.12	27,27,27,27	0
56	MG	2A	3281	1/1	0.91	0.16	52,52,52,52	0
56	MG	1A	8493	1/1	0.91	0.14	16,16,16,16	0
56	MG	2a	1813	1/1	0.91	0.18	42,42,42,42	0
56	MG	2A	3764	1/1	0.91	0.07	62,62,62,62	0
56	MG	1A	8227	1/1	0.91	0.25	14,14,14,14	0
56	MG	1A	8029	1/1	0.91	0.18	15,15,15,15	0
56	MG	1A	8282	1/1	0.91	0.09	45,45,45,45	0
56	MG	2b	3001	1/1	0.91	0.17	56,56,56,56	0
56	MG	1A	8283	1/1	0.91	0.23	13,13,13,13	0
56	MG	2A	3043	1/1	0.91	0.19	42,42,42,42	0
56	MG	2A	3529	1/1	0.91	0.14	44,44,44,44	0
56	MG	2A	3294	1/1	0.91	0.09	50,50,50,50	0
56	MG	2A	3776	1/1	0.91	0.07	51,51,51,51	0
56	MG	2A	3777	1/1	0.91	0.41	61,61,61,61	0
56	MG	17	102	1/1	0.91	0.14	34,34,34,34	0
56	MG	1A	8390	1/1	0.91	0.11	41,41,41,41	0
56	MG	1A	8517	1/1	0.91	0.10	32,32,32,32	0
56	MG	1a	1603	1/1	0.91	0.11	39,39,39,39	0
56	MG	1A	8401	1/1	0.91	0.21	28,28,28,28	0
56	MG	2A	3790	1/1	0.91	0.15	45,45,45,45	0
56	MG	1A	8744	1/1	0.91	0.14	17,17,17,17	0
56	MG	2A	3311	1/1	0.91	0.10	29,29,29,29	0
56	MG	1A	8185	1/1	0.91	0.23	26,26,26,26	0
56	MG	1a	1610	1/1	0.91	0.38	36,36,36,36	0
56	MG	1a	1763	1/1	0.91	0.06	55,55,55,55	0
56	MG	2A	3069	1/1	0.91	0.42	36,36,36,36	0
56	MG	2A	3555	1/1	0.91	0.20	35,35,35,35	0
56	MG	2A	3328	1/1	0.92	0.34	31,31,31,31	0
56	MG	1A	8298	1/1	0.92	0.13	12,12,12,12	0
56	MG	1a	1643	1/1	0.92	0.16	53,53,53,53	0
56	MG	1A	8350	1/1	0.92	0.18	8,8,8,8	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	2A	3574	1/1	0.92	0.17	31,31,31,31	0
56	MG	2A	3575	1/1	0.92	0.30	42,42,42,42	0
56	MG	2A	3815	1/1	0.92	0.11	33,33,33,33	0
56	MG	1a	1648	1/1	0.92	0.21	38,38,38,38	0
56	MG	1a	1649	1/1	0.92	0.37	32,32,32,32	0
56	MG	1A	8150	1/1	0.92	0.23	36,36,36,36	0
56	MG	2a	1616	1/1	0.92	0.16	37,37,37,37	0
56	MG	2A	3581	1/1	0.92	0.14	31,31,31,31	0
56	MG	2A	3826	1/1	0.92	0.07	33,33,33,33	0
56	MG	1B	3006	1/1	0.92	0.13	25,25,25,25	0
56	MG	1A	8485	1/1	0.92	0.12	30,30,30,30	0
56	MG	2A	3109	1/1	0.92	0.22	41,41,41,41	0
56	MG	1A	8037	1/1	0.92	0.12	14,14,14,14	0
56	MG	2A	3352	1/1	0.92	0.15	60,60,60,60	0
56	MG	1A	8848	1/1	0.92	0.08	13,13,13,13	0
56	MG	1A	8490	1/1	0.92	0.25	18,18,18,18	0
56	MG	1A	8568	1/1	0.92	0.15	11,11,11,11	0
56	MG	1a	1799	1/1	0.92	0.10	35,35,35,35	0
56	MG	2A	3601	1/1	0.92	0.29	44,44,44,44	0
56	MG	2A	3844	1/1	0.92	0.15	46,46,46,46	0
56	MG	2A	3845	1/1	0.92	0.37	51,51,51,51	0
56	MG	1A	8183	1/1	0.92	0.12	24,24,24,24	0
56	MG	1A	8733	1/1	0.92	0.18	54,54,54,54	0
56	MG	1A	8856	1/1	0.92	0.15	18,18,18,18	0
56	MG	2a	1644	1/1	0.92	0.17	46,46,46,46	0
56	MG	1A	8424	1/1	0.92	0.14	26,26,26,26	0
56	MG	2A	3850	1/1	0.92	0.17	39,39,39,39	0
56	MG	1A	8651	1/1	0.92	0.16	23,23,23,23	0
56	MG	1a	1673	1/1	0.92	0.19	35,35,35,35	0
56	MG	1a	1809	1/1	0.92	0.18	51,51,51,51	0
56	MG	1a	1676	1/1	0.92	0.22	30,30,30,30	0
56	MG	2A	3140	1/1	0.92	0.18	25,25,25,25	0
56	MG	1A	8057	1/1	0.92	0.13	12,12,12,12	0
56	MG	2a	1659	1/1	0.92	0.16	46,46,46,46	0
56	MG	1A	8861	1/1	0.92	0.17	39,39,39,39	0
56	MG	1a	1679	1/1	0.92	0.25	36,36,36,36	0
56	MG	1A	8654	1/1	0.92	0.28	32,32,32,32	0
56	MG	2A	3151	1/1	0.92	0.60	32,32,32,32	0
56	MG	2A	3867	1/1	0.92	0.11	42,42,42,42	0
56	MG	1a	1819	1/1	0.92	0.11	37,37,37,37	0
56	MG	1A	8431	1/1	0.92	0.10	17,17,17,17	0
56	MG	1A	8434	1/1	0.92	0.18	16,16,16,16	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	2A	3160	1/1	0.92	0.15	28,28,28,28	0
56	MG	1E	303	1/1	0.92	0.13	11,11,11,11	0
56	MG	2A	3162	1/1	0.92	0.17	39,39,39,39	0
56	MG	2A	3401	1/1	0.92	0.16	38,38,38,38	0
56	MG	2a	1678	1/1	0.92	0.12	37,37,37,37	0
56	MG	1A	8505	1/1	0.92	0.15	24,24,24,24	0
56	MG	1A	8868	1/1	0.92	0.11	22,22,22,22	0
56	MG	2A	3882	1/1	0.92	0.05	46,46,46,46	0
56	MG	1F	305	1/1	0.92	0.15	15,15,15,15	0
56	MG	1a	1830	1/1	0.92	0.10	45,45,45,45	0
56	MG	2A	3411	1/1	0.92	0.17	36,36,36,36	0
56	MG	2A	3890	1/1	0.92	0.36	60,60,60,60	0
56	MG	1a	1832	1/1	0.92	0.07	44,44,44,44	0
56	MG	1F	307	1/1	0.92	0.20	13,13,13,13	0
56	MG	1a	1838	1/1	0.92	0.13	46,46,46,46	0
56	MG	2a	1695	1/1	0.92	0.26	53,53,53,53	0
56	MG	1A	8586	1/1	0.92	0.23	27,27,27,27	0
56	MG	2A	3659	1/1	0.92	0.14	30,30,30,30	0
56	MG	1A	8745	1/1	0.92	0.18	17,17,17,17	0
56	MG	2A	3196	1/1	0.92	0.30	31,31,31,31	0
56	MG	1A	8155	1/1	0.92	0.21	24,24,24,24	0
56	MG	1A	8877	1/1	0.92	0.10	38,38,38,38	0
56	MG	2A	3665	1/1	0.92	0.21	29,29,29,29	0
56	MG	1A	8038	1/1	0.92	0.09	40,40,40,40	0
56	MG	1A	8668	1/1	0.92	0.24	32,32,32,32	0
56	MG	1f	8001	1/1	0.92	0.15	36,36,36,36	0
56	MG	1A	8763	1/1	0.92	0.37	28,28,28,28	0
56	MG	1A	8882	1/1	0.92	0.15	38,38,38,38	0
56	MG	1a	1722	1/1	0.92	0.08	32,32,32,32	0
56	MG	2A	3429	1/1	0.92	0.12	37,37,37,37	0
56	MG	2A	3211	1/1	0.92	0.28	35,35,35,35	0
56	MG	1A	8159	1/1	0.92	0.14	21,21,21,21	0
56	MG	1R	201	1/1	0.92	0.16	18,18,18,18	0
56	MG	1A	8772	1/1	0.92	0.06	27,27,27,27	0
56	MG	2A	3930	1/1	0.92	0.39	48,48,48,48	0
56	MG	1A	8138	1/1	0.92	0.13	14,14,14,14	0
56	MG	1A	8776	1/1	0.92	0.25	35,35,35,35	0
56	MG	2A	3934	1/1	0.92	0.34	32,32,32,32	0
56	MG	1A	8780	1/1	0.92	0.24	10,10,10,10	0
56	MG	2A	3444	1/1	0.92	0.12	32,32,32,32	0
56	MG	1A	8781	1/1	0.92	0.16	14,14,14,14	0
56	MG	2A	3687	1/1	0.92	0.10	30,30,30,30	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	2A	3226	1/1	0.92	0.23	27,27,27,27	0
56	MG	2A	3228	1/1	0.92	0.39	34,34,34,34	0
56	MG	2A	3456	1/1	0.92	0.12	23,23,23,23	0
56	MG	2A	3458	1/1	0.92	0.13	37,37,37,37	0
56	MG	2A	3230	1/1	0.92	0.26	33,33,33,33	0
56	MG	1x	3007	1/1	0.92	0.13	37,37,37,37	0
56	MG	2A	3462	1/1	0.92	0.21	26,26,26,26	0
56	MG	1a	1736	1/1	0.92	0.07	40,40,40,40	0
56	MG	1A	8384	1/1	0.92	0.28	36,36,36,36	0
56	MG	2A	3968	1/1	0.92	0.22	38,38,38,38	0
56	MG	2A	3007	1/1	0.92	0.15	38,38,38,38	0
56	MG	2A	3469	1/1	0.92	0.24	31,31,31,31	0
56	MG	2A	3472	1/1	0.92	0.22	29,29,29,29	0
56	MG	2a	1746	1/1	0.92	0.20	59,59,59,59	0
56	MG	2a	1750	1/1	0.92	0.14	67,67,67,67	0
56	MG	2A	3980	1/1	0.92	0.17	51,51,51,51	0
56	MG	2A	3008	1/1	0.92	0.12	27,27,27,27	0
56	MG	2A	3710	1/1	0.92	0.17	39,39,39,39	0
56	MG	1A	8787	1/1	0.92	0.12	8,8,8,8	0
56	MG	1a	1741	1/1	0.92	0.18	47,47,47,47	0
56	MG	2a	1757	1/1	0.92	0.24	55,55,55,55	0
56	MG	2A	3713	1/1	0.92	0.12	24,24,24,24	0
56	MG	1A	8059	1/1	0.92	0.18	7,7,7,7	0
56	MG	2B	3004	1/1	0.92	0.17	63,63,63,63	0
56	MG	2A	3717	1/1	0.92	0.25	24,24,24,24	0
56	MG	2A	3249	1/1	0.92	0.21	31,31,31,31	0
56	MG	1A	8790	1/1	0.92	0.11	20,20,20,20	0
56	MG	1A	8525	1/1	0.92	0.20	10,10,10,10	0
56	MG	2a	1765	1/1	0.92	0.39	47,47,47,47	0
56	MG	1A	8387	1/1	0.92	0.20	28,28,28,28	0
56	MG	2A	3724	1/1	0.92	0.55	50,50,50,50	0
56	MG	2a	1768	1/1	0.92	0.23	57,57,57,57	0
56	MG	2A	3020	1/1	0.92	0.21	26,26,26,26	0
56	MG	2A	3488	1/1	0.92	0.20	30,30,30,30	0
56	MG	2A	3025	1/1	0.92	0.13	33,33,33,33	0
56	MG	2A	3027	1/1	0.92	0.18	31,31,31,31	0
56	MG	2A	3496	1/1	0.92	0.11	36,36,36,36	0
56	MG	2A	3028	1/1	0.92	0.41	34,34,34,34	0
56	MG	1A	8222	1/1	0.92	0.24	18,18,18,18	0
56	MG	1A	8917	1/1	0.92	0.45	21,21,21,21	0
56	MG	1A	8032	1/1	0.92	0.20	6,6,6,6	0
56	MG	2a	1782	1/1	0.92	0.48	61,61,61,61	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	2A	3032	1/1	0.92	0.27	43,43,43,43	0
56	MG	2A	3276	1/1	0.92	0.13	42,42,42,42	0
56	MG	1A	8398	1/1	0.92	0.19	41,41,41,41	0
56	MG	1A	8199	1/1	0.92	0.17	14,14,14,14	0
56	MG	2B	3025	1/1	0.92	0.39	52,52,52,52	0
56	MG	2A	3512	1/1	0.92	0.05	53,53,53,53	0
56	MG	2A	3513	1/1	0.92	0.19	38,38,38,38	0
56	MG	1A	8466	1/1	0.92	0.10	25,25,25,25	0
56	MG	2D	313	1/1	0.92	0.21	32,32,32,32	0
56	MG	2a	1792	1/1	0.92	0.19	55,55,55,55	0
56	MG	1A	8054	1/1	0.92	0.16	9,9,9,9	0
56	MG	2A	3750	1/1	0.92	0.06	24,24,24,24	0
56	MG	2a	1795	1/1	0.92	0.23	65,65,65,65	0
56	MG	1A	8931	1/1	0.92	0.15	18,18,18,18	0
56	MG	2A	3521	1/1	0.92	0.21	34,34,34,34	0
56	MG	2A	3522	1/1	0.92	0.33	51,51,51,51	0
56	MG	1A	8410	1/1	0.92	0.07	35,35,35,35	0
56	MG	2A	3759	1/1	0.92	0.12	52,52,52,52	0
56	MG	2a	1802	1/1	0.92	0.12	60,60,60,60	0
56	MG	2E	305	1/1	0.92	0.29	60,60,60,60	0
56	MG	2A	3761	1/1	0.92	0.40	43,43,43,43	0
56	MG	1A	8696	1/1	0.92	0.14	20,20,20,20	0
56	MG	1a	1617	1/1	0.92	0.14	53,53,53,53	0
56	MG	2A	3048	1/1	0.92	0.39	40,40,40,40	0
56	MG	1a	1618	1/1	0.92	0.20	57,57,57,57	0
56	MG	1A	8470	1/1	0.92	0.22	39,39,39,39	0
56	MG	1A	8948	1/1	0.92	0.17	35,35,35,35	0
56	MG	2a	1812	1/1	0.92	0.14	64,64,64,64	0
56	MG	2A	3769	1/1	0.92	0.08	31,31,31,31	0
56	MG	2A	3530	1/1	0.92	0.58	45,45,45,45	0
56	MG	2a	1818	1/1	0.92	0.08	61,61,61,61	0
56	MG	2A	3300	1/1	0.92	0.22	30,30,30,30	0
56	MG	2A	3302	1/1	0.92	0.20	48,48,48,48	0
56	MG	2A	3053	1/1	0.92	0.41	27,27,27,27	0
56	MG	2A	3537	1/1	0.92	0.16	33,33,33,33	0
56	MG	1A	8623	1/1	0.92	0.57	18,18,18,18	0
56	MG	2A	3540	1/1	0.92	0.16	48,48,48,48	0
56	MG	2A	3541	1/1	0.92	0.15	24,24,24,24	0
56	MG	1a	1769	1/1	0.92	0.18	46,46,46,46	0
56	MG	1A	8341	1/1	0.92	0.14	17,17,17,17	0
56	MG	2A	3787	1/1	0.92	0.27	41,41,41,41	0
56	MG	1A	8063	1/1	0.92	0.13	22,22,22,22	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	1a	1628	1/1	0.92	0.12	39,39,39,39	0
56	MG	2A	3064	1/1	0.92	0.16	34,34,34,34	0
56	MG	2A	3066	1/1	0.92	0.18	26,26,26,26	0
56	MG	1A	8959	1/1	0.92	0.17	27,27,27,27	0
56	MG	1A	8629	1/1	0.92	0.17	45,45,45,45	0
56	MG	2A	3553	1/1	0.92	0.10	52,52,52,52	0
56	MG	1A	8967	1/1	0.92	0.36	27,27,27,27	0
56	MG	2A	3800	1/1	0.92	0.14	34,34,34,34	0
56	MG	1A	8831	1/1	0.92	0.13	41,41,41,41	0
56	MG	1A	8833	1/1	0.92	0.14	12,12,12,12	0
56	MG	1A	8717	1/1	0.92	0.14	16,16,16,16	0
56	MG	1a	1641	1/1	0.92	0.21	33,33,33,33	0
56	MG	1A	8703	1/1	0.93	0.19	28,28,28,28	0
56	MG	1A	8597	1/1	0.93	0.27	14,14,14,14	0
56	MG	1A	8599	1/1	0.93	0.16	24,24,24,24	0
56	MG	2a	1620	1/1	0.93	0.28	69,69,69,69	0
56	MG	1a	1692	1/1	0.93	0.20	40,40,40,40	0
56	MG	1A	8014	1/1	0.93	0.19	5,5,5,5	0
56	MG	2A	3176	1/1	0.93	0.24	42,42,42,42	0
56	MG	2A	3177	1/1	0.93	0.52	56,56,56,56	0
56	MG	1E	304	1/1	0.93	0.10	27,27,27,27	0
56	MG	2A	3855	1/1	0.93	0.15	32,32,32,32	0
56	MG	1d	503	1/1	0.93	0.28	38,38,38,38	0
56	MG	1A	8497	1/1	0.93	0.12	20,20,20,20	0
56	MG	2A	3183	1/1	0.93	0.18	36,36,36,36	0
56	MG	1A	8603	1/1	0.93	0.13	24,24,24,24	0
56	MG	2a	1636	1/1	0.93	0.25	33,33,33,33	0
56	MG	1a	1703	1/1	0.93	0.12	48,48,48,48	0
56	MG	2A	3191	1/1	0.93	0.26	35,35,35,35	0
56	MG	2A	3192	1/1	0.93	0.21	29,29,29,29	0
56	MG	2A	3865	1/1	0.93	0.15	48,48,48,48	0
56	MG	1A	8148	1/1	0.93	0.13	7,7,7,7	0
56	MG	2A	3417	1/1	0.93	0.17	51,51,51,51	0
56	MG	1A	8097	1/1	0.93	0.13	18,18,18,18	0
56	MG	1A	8122	1/1	0.93	0.10	18,18,18,18	0
56	MG	1A	8609	1/1	0.93	0.13	18,18,18,18	0
56	MG	2a	1648	1/1	0.93	0.27	33,33,33,33	0
56	MG	1A	8507	1/1	0.93	0.19	33,33,33,33	0
56	MG	1A	8041	1/1	0.93	0.23	24,24,24,24	0
56	MG	1a	1721	1/1	0.93	0.11	49,49,49,49	0
56	MG	2A	3874	1/1	0.93	0.18	32,32,32,32	0
56	MG	1A	8228	1/1	0.93	0.36	13,13,13,13	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	1A	8430	1/1	0.93	0.09	13,13,13,13	0
56	MG	2a	1657	1/1	0.93	0.40	38,38,38,38	0
56	MG	1a	1724	1/1	0.93	0.13	50,50,50,50	0
56	MG	2A	3210	1/1	0.93	0.15	34,34,34,34	0
56	MG	1A	8025	1/1	0.93	0.57	23,23,23,23	0
56	MG	2A	3884	1/1	0.93	0.18	37,37,37,37	0
56	MG	1a	1727	1/1	0.93	0.09	32,32,32,32	0
56	MG	2A	3888	1/1	0.93	0.15	41,41,41,41	0
56	MG	1a	1728	1/1	0.93	0.10	38,38,38,38	0
56	MG	1x	3013	1/1	0.93	0.13	53,53,53,53	0
56	MG	2A	3003	1/1	0.93	0.13	42,42,42,42	0
56	MG	1A	8433	1/1	0.93	0.12	14,14,14,14	0
56	MG	1A	8876	1/1	0.93	0.15	10,10,10,10	0
56	MG	2A	3895	1/1	0.93	0.11	27,27,27,27	0
56	MG	1Q	205	1/1	0.93	0.15	26,26,26,26	0
56	MG	2A	3900	1/1	0.93	0.11	41,41,41,41	0
56	MG	1A	8522	1/1	0.93	0.14	34,34,34,34	0
56	MG	2A	3227	1/1	0.93	0.26	34,34,34,34	0
56	MG	1A	8271	1/1	0.93	0.21	21,21,21,21	0
56	MG	2a	1683	1/1	0.93	0.17	61,61,61,61	0
56	MG	1A	8524	1/1	0.93	0.20	31,31,31,31	0
56	MG	2A	3457	1/1	0.93	0.12	50,50,50,50	0
56	MG	2A	3912	1/1	0.93	0.78	49,49,49,49	0
56	MG	1A	8436	1/1	0.93	0.15	7,7,7,7	0
56	MG	2A	3233	1/1	0.93	0.45	28,28,28,28	0
56	MG	1V	202	1/1	0.93	0.17	26,26,26,26	0
56	MG	2A	3017	1/1	0.93	0.23	46,46,46,46	0
56	MG	2A	3920	1/1	0.93	0.18	43,43,43,43	0
56	MG	2A	3236	1/1	0.93	0.41	46,46,46,46	0
56	MG	1A	8273	1/1	0.93	0.11	32,32,32,32	0
56	MG	1A	8274	1/1	0.93	0.11	23,23,23,23	0
56	MG	2A	3697	1/1	0.93	0.35	35,35,35,35	0
56	MG	1A	8233	1/1	0.93	0.28	21,21,21,21	0
56	MG	1A	8065	1/1	0.93	0.16	11,11,11,11	0
56	MG	1a	1746	1/1	0.93	0.31	44,44,44,44	0
56	MG	2A	3701	1/1	0.93	0.23	42,42,42,42	0
56	MG	1A	8895	1/1	0.93	0.09	12,12,12,12	0
56	MG	1A	8896	1/1	0.93	0.10	35,35,35,35	0
56	MG	2A	3932	1/1	0.93	0.18	31,31,31,31	0
56	MG	2A	3478	1/1	0.93	0.15	38,38,38,38	0
56	MG	1A	8897	1/1	0.93	0.11	48,48,48,48	0
56	MG	1A	8105	1/1	0.93	0.34	12,12,12,12	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	2A	3939	1/1	0.93	0.26	43,43,43,43	0
56	MG	2A	3707	1/1	0.93	0.06	31,31,31,31	0
56	MG	2a	1717	1/1	0.93	0.13	54,54,54,54	0
56	MG	1A	8161	1/1	0.93	0.41	10,10,10,10	0
56	MG	2A	3946	1/1	0.93	0.69	29,29,29,29	0
56	MG	2A	3258	1/1	0.93	0.16	36,36,36,36	0
56	MG	1A	8759	1/1	0.93	0.26	15,15,15,15	0
56	MG	2A	3951	1/1	0.93	0.29	30,30,30,30	0
56	MG	2A	3260	1/1	0.93	0.18	26,26,26,26	0
56	MG	1A	8760	1/1	0.93	0.10	12,12,12,12	0
56	MG	2A	3714	1/1	0.93	0.11	39,39,39,39	0
56	MG	1A	8539	1/1	0.93	0.17	26,26,26,26	0
56	MG	2A	3716	1/1	0.93	0.38	37,37,37,37	0
56	MG	2A	3493	1/1	0.93	0.12	32,32,32,32	0
56	MG	1A	8906	1/1	0.93	0.13	13,13,13,13	0
56	MG	2A	3963	1/1	0.93	0.31	53,53,53,53	0
56	MG	1A	8764	1/1	0.93	0.11	27,27,27,27	0
56	MG	2A	3042	1/1	0.93	0.14	38,38,38,38	0
56	MG	1a	1606	1/1	0.93	0.18	36,36,36,36	0
56	MG	1a	1607	1/1	0.93	0.10	49,49,49,49	0
56	MG	2a	1737	1/1	0.93	0.08	53,53,53,53	0
56	MG	2A	3277	1/1	0.93	0.44	59,59,59,59	0
56	MG	2A	3979	1/1	0.93	0.15	57,57,57,57	0
56	MG	2A	3278	1/1	0.93	0.11	30,30,30,30	0
56	MG	1A	8540	1/1	0.93	0.10	21,21,21,21	0
56	MG	1A	8541	1/1	0.93	0.17	31,31,31,31	0
56	MG	2A	3505	1/1	0.93	0.30	43,43,43,43	0
56	MG	2A	3508	1/1	0.93	0.13	44,44,44,44	0
56	MG	1A	8083	1/1	0.93	0.12	15,15,15,15	0
56	MG	1a	1765	1/1	0.93	0.13	44,44,44,44	0
56	MG	2A	3735	1/1	0.93	0.08	46,46,46,46	0
56	MG	1a	1767	1/1	0.93	0.14	55,55,55,55	0
56	MG	2A	3517	1/1	0.93	0.21	47,47,47,47	0
56	MG	1a	1613	1/1	0.93	0.27	15,15,15,15	0
56	MG	1A	8373	1/1	0.93	0.13	13,13,13,13	0
56	MG	2A	3741	1/1	0.93	0.21	69,69,69,69	0
56	MG	2A	3058	1/1	0.93	0.09	42,42,42,42	0
56	MG	1A	8285	1/1	0.93	0.14	10,10,10,10	0
56	MG	1A	8088	1/1	0.93	0.15	16,16,16,16	0
56	MG	1A	8091	1/1	0.93	0.26	16,16,16,16	0
56	MG	1A	8290	1/1	0.93	0.10	19,19,19,19	0
56	MG	1a	1622	1/1	0.93	0.18	32,32,32,32	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	1A	8114	1/1	0.93	0.18	20,20,20,20	0
56	MG	2A	3754	1/1	0.93	0.27	36,36,36,36	0
56	MG	1A	8174	1/1	0.93	0.14	28,28,28,28	0
56	MG	1A	8930	1/1	0.93	0.17	23,23,23,23	0
56	MG	1a	1626	1/1	0.93	0.17	38,38,38,38	0
56	MG	1A	8793	1/1	0.93	0.12	27,27,27,27	0
56	MG	2A	3310	1/1	0.93	0.18	25,25,25,25	0
56	MG	2a	1772	1/1	0.93	0.33	57,57,57,57	0
56	MG	1A	8661	1/1	0.93	0.11	7,7,7,7	0
56	MG	1A	8936	1/1	0.93	0.23	11,11,11,11	0
56	MG	1A	8031	1/1	0.93	0.19	12,12,12,12	0
56	MG	1A	8556	1/1	0.93	0.28	17,17,17,17	0
56	MG	2D	304	1/1	0.93	0.22	41,41,41,41	0
56	MG	2A	3090	1/1	0.93	0.28	39,39,39,39	0
56	MG	1A	8116	1/1	0.93	0.20	25,25,25,25	0
56	MG	1A	8094	1/1	0.93	0.19	12,12,12,12	0
56	MG	1A	8392	1/1	0.93	0.14	37,37,37,37	0
56	MG	2A	3097	1/1	0.93	0.43	38,38,38,38	0
56	MG	1A	8569	1/1	0.93	0.15	16,16,16,16	0
56	MG	2A	3101	1/1	0.93	0.37	48,48,48,48	0
56	MG	2A	3103	1/1	0.93	0.21	30,30,30,30	0
56	MG	1A	8570	1/1	0.93	0.19	34,34,34,34	0
56	MG	1A	8303	1/1	0.93	0.08	11,11,11,11	0
56	MG	2E	306	1/1	0.93	0.07	44,44,44,44	0
56	MG	2A	3780	1/1	0.93	0.30	44,44,44,44	0
56	MG	2A	3336	1/1	0.93	0.08	44,44,44,44	0
56	MG	2A	3554	1/1	0.93	0.41	37,37,37,37	0
56	MG	2A	3107	1/1	0.93	0.22	34,34,34,34	0
56	MG	1A	8805	1/1	0.93	0.10	34,34,34,34	0
56	MG	1A	8572	1/1	0.93	0.14	5,5,5,5	0
56	MG	1A	8677	1/1	0.93	0.14	24,24,24,24	0
56	MG	1A	8483	1/1	0.93	0.14	30,30,30,30	0
56	MG	1A	8818	1/1	0.93	0.38	33,33,33,33	0
56	MG	1A	8824	1/1	0.93	0.14	37,37,37,37	0
56	MG	1A	8577	1/1	0.93	0.12	21,21,21,21	0
56	MG	2A	3569	1/1	0.93	0.07	43,43,43,43	0
56	MG	2A	3119	1/1	0.93	0.14	35,35,35,35	0
56	MG	2A	3353	1/1	0.93	0.17	27,27,27,27	0
56	MG	2A	3121	1/1	0.93	0.05	42,42,42,42	0
56	MG	1A	8307	1/1	0.93	0.05	18,18,18,18	0
56	MG	1A	8179	1/1	0.93	0.39	16,16,16,16	0
56	MG	1a	1666	1/1	0.93	0.30	31,31,31,31	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	2U	206	1/1	0.93	0.24	38,38,38,38	0
56	MG	1A	8487	1/1	0.93	0.14	31,31,31,31	0
56	MG	1A	8311	1/1	0.93	0.15	11,11,11,11	0
56	MG	1A	8218	1/1	0.93	0.13	11,11,11,11	0
56	MG	2A	3367	1/1	0.93	0.36	55,55,55,55	0
56	MG	1A	8258	1/1	0.93	0.41	24,24,24,24	0
56	MG	20	103	1/1	0.93	0.10	62,62,62,62	0
56	MG	1A	8836	1/1	0.93	0.08	17,17,17,17	0
56	MG	1A	8591	1/1	0.93	0.27	10,10,10,10	0
56	MG	2A	3371	1/1	0.93	0.13	18,18,18,18	0
56	MG	2A	3593	1/1	0.93	0.27	24,24,24,24	0
56	MG	1A	8592	1/1	0.93	0.16	24,24,24,24	0
56	MG	1A	8697	1/1	0.93	0.13	32,32,32,32	0
56	MG	1A	8593	1/1	0.93	0.26	16,16,16,16	0
56	MG	2j	201	1/1	0.93	0.17	65,65,65,65	0
56	MG	29	502	1/1	0.93	0.24	53,53,53,53	0
56	MG	1A	8700	1/1	0.93	0.15	27,27,27,27	0
56	MG	2A	3156	1/1	0.93	0.18	33,33,33,33	0
56	MG	2A	3378	1/1	0.93	0.14	41,41,41,41	0
56	MG	1D	301	1/1	0.93	0.14	21,21,21,21	0
56	MG	2A	3380	1/1	0.93	0.17	25,25,25,25	0
56	MG	2A	3607	1/1	0.93	0.15	37,37,37,37	0
56	MG	1A	8259	1/1	0.93	0.14	28,28,28,28	0
56	MG	2A	3383	1/1	0.93	0.18	27,27,27,27	0
56	MG	2A	3384	1/1	0.93	0.16	40,40,40,40	0
56	MG	1a	1829	1/1	0.93	0.12	36,36,36,36	0
56	MG	1D	305	1/1	0.93	0.18	18,18,18,18	0
56	MG	2a	1614	1/1	0.93	0.13	49,49,49,49	0
59	K	1x	3001	1/1	0.93	0.15	46,46,46,46	0
59	K	2A	3001	1/1	0.93	0.16	65,65,65,65	0
56	MG	1A	8156	1/1	0.94	0.41	25,25,25,25	0
56	MG	2A	3253	1/1	0.94	0.37	39,39,39,39	0
56	MG	2A	3254	1/1	0.94	0.23	38,38,38,38	0
56	MG	1A	8878	1/1	0.94	0.10	16,16,16,16	0
56	MG	2A	3507	1/1	0.94	0.14	43,43,43,43	0
56	MG	2U	201	1/1	0.94	0.13	42,42,42,42	0
56	MG	2U	202	1/1	0.94	0.37	50,50,50,50	0
56	MG	1A	8626	1/1	0.94	0.19	22,22,22,22	0
56	MG	1V	201	1/1	0.94	0.22	28,28,28,28	0
56	MG	1A	8627	1/1	0.94	0.24	48,48,48,48	0
56	MG	1A	8372	1/1	0.94	0.07	51,51,51,51	0
56	MG	2V	201	1/1	0.94	0.08	32,32,32,32	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	2A	3773	1/1	0.94	0.08	24,24,24,24	0
56	MG	2A	3514	1/1	0.94	0.10	36,36,36,36	0
56	MG	2A	3516	1/1	0.94	0.10	48,48,48,48	0
56	MG	10	103	1/1	0.94	0.21	21,21,21,21	0
56	MG	20	102	1/1	0.94	0.06	43,43,43,43	0
56	MG	2A	3039	1/1	0.94	0.20	38,38,38,38	0
56	MG	1A	8052	1/1	0.94	0.17	12,12,12,12	0
56	MG	1A	8463	1/1	0.94	0.19	7,7,7,7	0
56	MG	2A	3266	1/1	0.94	0.14	25,25,25,25	0
56	MG	23	102	1/1	0.94	0.25	41,41,41,41	0
56	MG	1A	8885	1/1	0.94	0.11	31,31,31,31	0
56	MG	2A	3271	1/1	0.94	0.43	42,42,42,42	0
56	MG	1A	8306	1/1	0.94	0.15	14,14,14,14	0
56	MG	1A	8890	1/1	0.94	0.13	23,23,23,23	0
56	MG	1A	8268	1/1	0.94	0.26	15,15,15,15	0
56	MG	1A	8178	1/1	0.94	0.24	14,14,14,14	0
56	MG	1A	8757	1/1	0.94	0.27	42,42,42,42	0
56	MG	2a	1603	1/1	0.94	0.17	45,45,45,45	0
56	MG	1A	8638	1/1	0.94	0.07	18,18,18,18	0
56	MG	1A	8239	1/1	0.94	0.18	13,13,13,13	0
56	MG	2A	3797	1/1	0.94	0.18	38,38,38,38	0
56	MG	2A	3054	1/1	0.94	0.12	22,22,22,22	0
56	MG	1A	8762	1/1	0.94	0.08	34,34,34,34	0
56	MG	1A	8643	1/1	0.94	0.29	28,28,28,28	0
56	MG	1a	1760	1/1	0.94	0.16	56,56,56,56	0
56	MG	2A	3538	1/1	0.94	0.09	32,32,32,32	0
56	MG	1A	8077	1/1	0.94	0.16	15,15,15,15	0
56	MG	1A	8160	1/1	0.94	0.11	20,20,20,20	0
56	MG	2A	3292	1/1	0.94	0.16	51,51,51,51	0
56	MG	2A	3542	1/1	0.94	0.16	23,23,23,23	0
56	MG	1a	1764	1/1	0.94	0.22	54,54,54,54	0
56	MG	2a	1618	1/1	0.94	0.14	38,38,38,38	0
56	MG	2A	3295	1/1	0.94	0.23	43,43,43,43	0
56	MG	2A	3811	1/1	0.94	0.07	47,47,47,47	0
56	MG	2A	3812	1/1	0.94	0.11	22,22,22,22	0
56	MG	1A	8108	1/1	0.94	0.39	18,18,18,18	0
56	MG	1A	8555	1/1	0.94	0.10	37,37,37,37	0
56	MG	2A	3067	1/1	0.94	0.20	20,20,20,20	0
56	MG	1A	8774	1/1	0.94	0.12	25,25,25,25	0
56	MG	2A	3550	1/1	0.94	0.33	50,50,50,50	0
56	MG	2A	3820	1/1	0.94	0.07	29,29,29,29	0
56	MG	1A	8650	1/1	0.94	0.20	39,39,39,39	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	2a	1632	1/1	0.94	0.21	51,51,51,51	0
56	MG	1A	8914	1/1	0.94	0.12	46,46,46,46	0
56	MG	2A	3825	1/1	0.94	0.08	27,27,27,27	0
56	MG	2A	3075	1/1	0.94	0.15	35,35,35,35	0
56	MG	1A	8777	1/1	0.94	0.19	31,31,31,31	0
56	MG	1a	1615	1/1	0.94	0.12	51,51,51,51	0
56	MG	2A	3078	1/1	0.94	0.32	24,24,24,24	0
56	MG	2A	3558	1/1	0.94	0.45	32,32,32,32	0
56	MG	1a	1616	1/1	0.94	0.21	45,45,45,45	0
56	MG	2A	3080	1/1	0.94	0.30	31,31,31,31	0
56	MG	2A	3562	1/1	0.94	0.21	33,33,33,33	0
56	MG	1A	8186	1/1	0.94	0.11	26,26,26,26	0
56	MG	1A	8477	1/1	0.94	0.09	14,14,14,14	0
56	MG	2A	3838	1/1	0.94	0.39	44,44,44,44	0
56	MG	2A	3565	1/1	0.94	0.18	32,32,32,32	0
56	MG	2a	1651	1/1	0.94	0.14	48,48,48,48	0
56	MG	2A	3841	1/1	0.94	0.12	40,40,40,40	0
56	MG	2a	1653	1/1	0.94	0.25	40,40,40,40	0
56	MG	1A	8782	1/1	0.94	0.14	24,24,24,24	0
56	MG	2A	3088	1/1	0.94	0.32	33,33,33,33	0
56	MG	2A	3568	1/1	0.94	0.23	22,22,22,22	0
56	MG	2A	3322	1/1	0.94	0.09	37,37,37,37	0
56	MG	2a	1658	1/1	0.94	0.17	63,63,63,63	0
56	MG	2A	3089	1/1	0.94	0.27	34,34,34,34	0
56	MG	1A	8164	1/1	0.94	0.10	31,31,31,31	0
56	MG	1A	8785	1/1	0.94	0.07	23,23,23,23	0
56	MG	1A	8786	1/1	0.94	0.08	15,15,15,15	0
56	MG	2a	1663	1/1	0.94	0.18	43,43,43,43	0
56	MG	2A	3853	1/1	0.94	0.14	54,54,54,54	0
56	MG	1A	8560	1/1	0.94	0.19	18,18,18,18	0
56	MG	1A	8929	1/1	0.94	0.18	17,17,17,17	0
56	MG	2a	1669	1/1	0.94	0.13	40,40,40,40	0
56	MG	1A	8656	1/1	0.94	0.08	22,22,22,22	0
56	MG	2A	3099	1/1	0.94	0.19	34,34,34,34	0
56	MG	2A	3337	1/1	0.94	0.15	28,28,28,28	0
56	MG	2A	3859	1/1	0.94	0.09	41,41,41,41	0
56	MG	2A	3585	1/1	0.94	0.34	33,33,33,33	0
56	MG	1A	8565	1/1	0.94	0.27	17,17,17,17	0
56	MG	1A	8566	1/1	0.94	0.16	22,22,22,22	0
56	MG	1a	1631	1/1	0.94	0.14	34,34,34,34	0
56	MG	1A	8479	1/1	0.94	0.23	38,38,38,38	0
56	MG	1a	1790	1/1	0.94	0.12	46,46,46,46	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	1A	8939	1/1	0.94	0.17	12,12,12,12	0
56	MG	2A	3348	1/1	0.94	0.25	19,19,19,19	0
56	MG	2a	1685	1/1	0.94	0.08	41,41,41,41	0
56	MG	2A	3598	1/1	0.94	0.10	50,50,50,50	0
56	MG	1A	8480	1/1	0.94	0.11	34,34,34,34	0
56	MG	1a	1793	1/1	0.94	0.13	45,45,45,45	0
56	MG	2A	3351	1/1	0.94	0.10	40,40,40,40	0
56	MG	1A	8190	1/1	0.94	0.07	15,15,15,15	0
56	MG	1A	8393	1/1	0.94	0.15	20,20,20,20	0
56	MG	2A	3875	1/1	0.94	0.15	23,23,23,23	0
56	MG	2A	3878	1/1	0.94	0.10	45,45,45,45	0
56	MG	1A	8949	1/1	0.94	0.37	16,16,16,16	0
56	MG	2a	1699	1/1	0.94	0.12	68,68,68,68	0
56	MG	1A	8322	1/1	0.94	0.15	45,45,45,45	0
56	MG	1A	8009	1/1	0.94	0.25	20,20,20,20	0
56	MG	2A	3120	1/1	0.94	0.15	28,28,28,28	0
56	MG	1A	8957	1/1	0.94	0.19	26,26,26,26	0
56	MG	2a	1704	1/1	0.94	0.48	38,38,38,38	0
56	MG	1A	8574	1/1	0.94	0.08	15,15,15,15	0
56	MG	1A	8151	1/1	0.94	0.14	10,10,10,10	0
56	MG	1a	1650	1/1	0.94	0.18	42,42,42,42	0
56	MG	1A	8403	1/1	0.94	0.17	13,13,13,13	0
56	MG	2A	3126	1/1	0.94	0.16	32,32,32,32	0
56	MG	1A	8408	1/1	0.94	0.08	19,19,19,19	0
56	MG	1A	8807	1/1	0.94	0.08	18,18,18,18	0
56	MG	2A	3372	1/1	0.94	0.13	48,48,48,48	0
56	MG	2A	3894	1/1	0.94	0.09	36,36,36,36	0
56	MG	1A	8327	1/1	0.94	0.17	32,32,32,32	0
56	MG	2A	3897	1/1	0.94	0.15	59,59,59,59	0
56	MG	1A	8812	1/1	0.94	0.11	31,31,31,31	0
56	MG	2A	3625	1/1	0.94	0.15	51,51,51,51	0
56	MG	2A	3626	1/1	0.94	0.15	60,60,60,60	0
56	MG	1A	8680	1/1	0.94	0.12	19,19,19,19	0
56	MG	1A	8816	1/1	0.94	0.10	12,12,12,12	0
56	MG	2A	3906	1/1	0.94	0.10	39,39,39,39	0
56	MG	2A	3907	1/1	0.94	0.14	23,23,23,23	0
56	MG	1a	1817	1/1	0.94	0.36	52,52,52,52	0
56	MG	2A	3631	1/1	0.94	0.10	48,48,48,48	0
56	MG	2A	3144	1/1	0.94	0.09	63,63,63,63	0
56	MG	2A	3148	1/1	0.94	0.14	50,50,50,50	0
56	MG	1a	1663	1/1	0.94	0.15	51,51,51,51	0
56	MG	1a	1664	1/1	0.94	0.19	38,38,38,38	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	2A	3152	1/1	0.94	0.14	32,32,32,32	0
56	MG	2A	3643	1/1	0.94	0.27	27,27,27,27	0
56	MG	2A	3153	1/1	0.94	0.21	39,39,39,39	0
56	MG	1A	8284	1/1	0.94	0.20	50,50,50,50	0
56	MG	2A	3386	1/1	0.94	0.18	29,29,29,29	0
56	MG	2a	1739	1/1	0.94	0.15	48,48,48,48	0
56	MG	2A	3652	1/1	0.94	0.07	43,43,43,43	0
56	MG	2A	3654	1/1	0.94	0.43	41,41,41,41	0
56	MG	1A	8331	1/1	0.94	0.17	19,19,19,19	0
56	MG	1A	8333	1/1	0.94	0.17	39,39,39,39	0
56	MG	2A	3391	1/1	0.94	0.28	20,20,20,20	0
56	MG	1a	1826	1/1	0.94	0.15	65,65,65,65	0
56	MG	1A	8590	1/1	0.94	0.19	29,29,29,29	0
56	MG	1A	8028	1/1	0.94	0.17	11,11,11,11	0
56	MG	1A	8500	1/1	0.94	0.18	45,45,45,45	0
56	MG	1A	8339	1/1	0.94	0.07	32,32,32,32	0
56	MG	2A	3936	1/1	0.94	0.12	20,20,20,20	0
56	MG	2A	3166	1/1	0.94	0.09	42,42,42,42	0
56	MG	1A	8692	1/1	0.94	0.13	19,19,19,19	0
56	MG	2a	1756	1/1	0.94	0.14	38,38,38,38	0
56	MG	2A	3942	1/1	0.94	0.12	43,43,43,43	0
56	MG	2A	3168	1/1	0.94	0.17	24,24,24,24	0
56	MG	2A	3407	1/1	0.94	0.10	29,29,29,29	0
56	MG	2A	3408	1/1	0.94	0.09	38,38,38,38	0
56	MG	2A	3169	1/1	0.94	0.49	31,31,31,31	0
56	MG	2A	3172	1/1	0.94	0.26	25,25,25,25	0
56	MG	2A	3950	1/1	0.94	0.12	41,41,41,41	0
56	MG	2A	3173	1/1	0.94	0.16	37,37,37,37	0
56	MG	1a	1833	1/1	0.94	0.32	39,39,39,39	0
56	MG	1A	8340	1/1	0.94	0.12	19,19,19,19	0
56	MG	1A	8595	1/1	0.94	0.14	35,35,35,35	0
56	MG	2A	3178	1/1	0.94	0.27	31,31,31,31	0
56	MG	1A	8153	1/1	0.94	0.16	12,12,12,12	0
56	MG	1A	8226	1/1	0.94	0.19	17,17,17,17	0
56	MG	1B	3025	1/1	0.94	0.13	26,26,26,26	0
56	MG	1B	3026	1/1	0.94	0.28	35,35,35,35	0
56	MG	2a	1773	1/1	0.94	0.06	52,52,52,52	0
56	MG	2A	3966	1/1	0.94	0.23	50,50,50,50	0
56	MG	1A	8345	1/1	0.94	0.09	30,30,30,30	0
56	MG	1A	8601	1/1	0.94	0.11	36,36,36,36	0
56	MG	2A	3190	1/1	0.94	0.35	32,32,32,32	0
56	MG	1A	8426	1/1	0.94	0.06	31,31,31,31	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	1A	8428	1/1	0.94	0.11	14,14,14,14	0
56	MG	2a	1781	1/1	0.94	0.17	61,61,61,61	0
56	MG	1h	8001	1/1	0.94	0.07	52,52,52,52	0
56	MG	1D	306	1/1	0.94	0.14	21,21,21,21	0
56	MG	2A	3430	1/1	0.94	0.10	30,30,30,30	0
56	MG	2A	3197	1/1	0.94	0.08	37,37,37,37	0
56	MG	1A	8173	1/1	0.94	0.28	15,15,15,15	0
56	MG	1l	202	1/1	0.94	0.05	38,38,38,38	0
56	MG	1A	8850	1/1	0.94	0.32	34,34,34,34	0
56	MG	2A	3436	1/1	0.94	0.15	29,29,29,29	0
56	MG	1a	1699	1/1	0.94	0.10	26,26,26,26	0
56	MG	1A	8712	1/1	0.94	0.13	24,24,24,24	0
56	MG	2A	3439	1/1	0.94	0.06	25,25,25,25	0
56	MG	1E	301	1/1	0.94	0.07	22,22,22,22	0
56	MG	1q	201	1/1	0.94	0.10	37,37,37,37	0
56	MG	1A	8715	1/1	0.94	0.12	17,17,17,17	0
56	MG	2a	1796	1/1	0.94	0.14	53,53,53,53	0
56	MG	2A	3208	1/1	0.94	0.42	31,31,31,31	0
56	MG	1A	8520	1/1	0.94	0.23	9,9,9,9	0
56	MG	2B	3012	1/1	0.94	0.14	52,52,52,52	0
56	MG	1x	3004	1/1	0.94	0.10	47,47,47,47	0
56	MG	1A	8607	1/1	0.94	0.13	18,18,18,18	0
56	MG	2A	3214	1/1	0.94	0.17	32,32,32,32	0
56	MG	1a	1711	1/1	0.94	0.08	45,45,45,45	0
56	MG	2A	3218	1/1	0.94	0.34	37,37,37,37	0
56	MG	1E	307	1/1	0.94	0.08	28,28,28,28	0
56	MG	1A	8104	1/1	0.94	0.27	44,44,44,44	0
56	MG	2A	3465	1/1	0.94	0.18	23,23,23,23	0
56	MG	2A	3222	1/1	0.94	0.05	48,48,48,48	0
56	MG	1x	3012	1/1	0.94	0.13	38,38,38,38	0
56	MG	1a	1716	1/1	0.94	0.18	52,52,52,52	0
56	MG	1F	303	1/1	0.94	0.21	19,19,19,19	0
56	MG	1A	8354	1/1	0.94	0.10	9,9,9,9	0
56	MG	1A	8355	1/1	0.94	0.17	7,7,7,7	0
56	MG	1F	308	1/1	0.94	0.19	18,18,18,18	0
56	MG	2A	3229	1/1	0.94	0.14	30,30,30,30	0
56	MG	2D	306	1/1	0.94	0.14	34,34,34,34	0
56	MG	1A	8860	1/1	0.94	0.06	22,22,22,22	0
56	MG	2A	3231	1/1	0.94	0.41	32,32,32,32	0
56	MG	2A	3481	1/1	0.94	0.14	39,39,39,39	0
56	MG	1A	8230	1/1	0.94	0.37	13,13,13,13	0
56	MG	2A	3483	1/1	0.94	0.18	48,48,48,48	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	1A	8726	1/1	0.94	0.27	17,17,17,17	0
56	MG	1A	8357	1/1	0.94	0.09	6,6,6,6	0
56	MG	1A	8358	1/1	0.94	0.08	7,7,7,7	0
56	MG	2A	3487	1/1	0.94	0.22	26,26,26,26	0
56	MG	1A	8366	1/1	0.94	0.07	14,14,14,14	0
56	MG	2A	3489	1/1	0.94	0.12	27,27,27,27	0
56	MG	1A	8231	1/1	0.94	0.12	25,25,25,25	0
56	MG	1A	8445	1/1	0.94	0.09	18,18,18,18	0
56	MG	2F	305	1/1	0.94	0.16	26,26,26,26	0
56	MG	2x	101	1/1	0.94	0.22	48,48,48,48	0
56	MG	2x	102	1/1	0.94	0.27	51,51,51,51	0
56	MG	2F	307	1/1	0.94	0.60	37,37,37,37	0
56	MG	2x	105	1/1	0.94	0.21	59,59,59,59	0
56	MG	2x	106	1/1	0.94	0.16	52,52,52,52	0
56	MG	2x	107	1/1	0.94	0.15	52,52,52,52	0
56	MG	2A	3751	1/1	0.94	0.20	32,32,32,32	0
56	MG	2A	3494	1/1	0.94	0.20	30,30,30,30	0
56	MG	2A	3241	1/1	0.94	0.22	49,49,49,49	0
56	MG	2A	3021	1/1	0.94	0.18	30,30,30,30	0
56	MG	1a	1734	1/1	0.94	0.11	42,42,42,42	0
56	MG	1A	8368	1/1	0.94	0.18	14,14,14,14	0
56	MG	1A	8537	1/1	0.94	0.11	21,21,21,21	0
56	MG	1A	8075	1/1	0.94	0.16	20,20,20,20	0
56	MG	2A	3762	1/1	0.94	0.15	44,44,44,44	0
56	MG	1g	3001	1/1	0.95	0.13	38,38,38,38	0
56	MG	1A	8928	1/1	0.95	0.36	16,16,16,16	0
56	MG	1A	8134	1/1	0.95	0.14	12,12,12,12	0
56	MG	2A	3760	1/1	0.95	0.13	47,47,47,47	0
56	MG	1A	8207	1/1	0.95	0.24	11,11,11,11	0
56	MG	2S	201	1/1	0.95	0.15	27,27,27,27	0
56	MG	1A	8208	1/1	0.95	0.19	11,11,11,11	0
56	MG	1A	8659	1/1	0.95	0.15	23,23,23,23	0
56	MG	1A	8788	1/1	0.95	0.17	34,34,34,34	0
56	MG	1A	8248	1/1	0.95	0.27	17,17,17,17	0
56	MG	1A	8467	1/1	0.95	0.19	9,9,9,9	0
56	MG	1A	8791	1/1	0.95	0.10	39,39,39,39	0
56	MG	1A	8947	1/1	0.95	0.09	19,19,19,19	0
56	MG	1A	8663	1/1	0.95	0.17	21,21,21,21	0
56	MG	1a	1662	1/1	0.95	0.13	44,44,44,44	0
56	MG	1A	8209	1/1	0.95	0.15	15,15,15,15	0
56	MG	1A	8181	1/1	0.95	0.14	18,18,18,18	0
56	MG	20	101	1/1	0.95	0.22	46,46,46,46	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	1A	8953	1/1	0.95	0.19	13,13,13,13	0
56	MG	1x	3009	1/1	0.95	0.23	41,41,41,41	0
56	MG	1x	3010	1/1	0.95	0.14	34,34,34,34	0
56	MG	1A	8211	1/1	0.95	0.38	15,15,15,15	0
56	MG	1A	8213	1/1	0.95	0.17	14,14,14,14	0
56	MG	2A	3238	1/1	0.95	0.13	24,24,24,24	0
56	MG	1A	8669	1/1	0.95	0.20	27,27,27,27	0
56	MG	2A	3782	1/1	0.95	0.32	60,60,60,60	0
56	MG	2A	3784	1/1	0.95	0.17	45,45,45,45	0
56	MG	1x	3014	1/1	0.95	0.16	29,29,29,29	0
56	MG	1A	8472	1/1	0.95	0.12	11,11,11,11	0
56	MG	2A	3515	1/1	0.95	0.10	48,48,48,48	0
56	MG	2A	3788	1/1	0.95	0.10	36,36,36,36	0
56	MG	2A	3789	1/1	0.95	0.08	48,48,48,48	0
56	MG	2A	3004	1/1	0.95	0.12	39,39,39,39	0
56	MG	2a	1605	1/1	0.95	0.14	40,40,40,40	0
56	MG	2A	3791	1/1	0.95	0.11	52,52,52,52	0
56	MG	1A	8960	1/1	0.95	0.11	20,20,20,20	0
56	MG	1a	1672	1/1	0.95	0.20	38,38,38,38	0
56	MG	1A	8961	1/1	0.95	0.13	20,20,20,20	0
56	MG	2A	3009	1/1	0.95	0.13	42,42,42,42	0
56	MG	1A	8963	1/1	0.95	0.35	14,14,14,14	0
56	MG	2A	3011	1/1	0.95	0.17	29,29,29,29	0
56	MG	1A	8253	1/1	0.95	0.28	23,23,23,23	0
56	MG	1A	8254	1/1	0.95	0.15	15,15,15,15	0
56	MG	1A	8968	1/1	0.95	0.10	34,34,34,34	0
56	MG	2A	3801	1/1	0.95	0.07	41,41,41,41	0
56	MG	1A	8182	1/1	0.95	0.10	12,12,12,12	0
56	MG	1A	8256	1/1	0.95	0.25	14,14,14,14	0
56	MG	1A	8806	1/1	0.95	0.45	16,16,16,16	0
56	MG	1A	8973	1/1	0.95	0.25	12,12,12,12	0
56	MG	1A	8257	1/1	0.95	0.13	11,11,11,11	0
56	MG	2A	3022	1/1	0.95	0.31	29,29,29,29	0
56	MG	2A	3023	1/1	0.95	0.13	43,43,43,43	0
56	MG	2A	3024	1/1	0.95	0.39	30,30,30,30	0
56	MG	2A	3270	1/1	0.95	0.12	20,20,20,20	0
56	MG	1B	3002	1/1	0.95	0.10	33,33,33,33	0
56	MG	2a	1628	1/1	0.95	0.72	58,58,58,58	0
56	MG	1a	1689	1/1	0.95	0.12	41,41,41,41	0
56	MG	2A	3275	1/1	0.95	0.17	42,42,42,42	0
56	MG	1A	8808	1/1	0.95	0.10	17,17,17,17	0
56	MG	2a	1634	1/1	0.95	0.39	54,54,54,54	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	1A	8386	1/1	0.95	0.09	16,16,16,16	0
56	MG	1B	3005	1/1	0.95	0.27	34,34,34,34	0
56	MG	1A	8810	1/1	0.95	0.12	8,8,8,8	0
56	MG	1A	8085	1/1	0.95	0.19	15,15,15,15	0
56	MG	1A	8813	1/1	0.95	0.10	11,11,11,11	0
56	MG	1a	1701	1/1	0.95	0.16	44,44,44,44	0
56	MG	1a	1702	1/1	0.95	0.13	48,48,48,48	0
56	MG	1A	8583	1/1	0.95	0.18	8,8,8,8	0
56	MG	1A	8217	1/1	0.95	0.22	11,11,11,11	0
56	MG	1a	1706	1/1	0.95	0.09	27,27,27,27	0
56	MG	1B	3013	1/1	0.95	0.10	24,24,24,24	0
56	MG	2A	3291	1/1	0.95	0.35	19,19,19,19	0
56	MG	1A	8158	1/1	0.95	0.18	27,27,27,27	0
56	MG	1A	8486	1/1	0.95	0.17	26,26,26,26	0
56	MG	1A	8819	1/1	0.95	0.22	20,20,20,20	0
56	MG	1B	3019	1/1	0.95	0.07	23,23,23,23	0
56	MG	1A	8822	1/1	0.95	0.04	44,44,44,44	0
56	MG	2A	3561	1/1	0.95	0.29	32,32,32,32	0
56	MG	1A	8823	1/1	0.95	0.09	23,23,23,23	0
56	MG	2A	3843	1/1	0.95	0.17	43,43,43,43	0
56	MG	1A	8391	1/1	0.95	0.14	6,6,6,6	0
56	MG	1A	8825	1/1	0.95	0.12	35,35,35,35	0
56	MG	1A	8690	1/1	0.95	0.12	20,20,20,20	0
56	MG	1A	8117	1/1	0.95	0.26	27,27,27,27	0
56	MG	2A	3306	1/1	0.95	0.10	29,29,29,29	0
56	MG	1A	8319	1/1	0.95	0.09	27,27,27,27	0
56	MG	1D	303	1/1	0.95	0.09	17,17,17,17	0
56	MG	2A	3059	1/1	0.95	0.12	21,21,21,21	0
56	MG	2a	1665	1/1	0.95	0.13	53,53,53,53	0
56	MG	1A	8394	1/1	0.95	0.09	37,37,37,37	0
56	MG	1A	8396	1/1	0.95	0.07	14,14,14,14	0
56	MG	2A	3315	1/1	0.95	0.15	44,44,44,44	0
56	MG	1A	8397	1/1	0.95	0.14	18,18,18,18	0
56	MG	1A	8087	1/1	0.95	0.12	45,45,45,45	0
56	MG	2A	3580	1/1	0.95	0.12	49,49,49,49	0
56	MG	2A	3318	1/1	0.95	0.10	30,30,30,30	0
56	MG	2A	3065	1/1	0.95	0.49	43,43,43,43	0
56	MG	2A	3861	1/1	0.95	0.06	50,50,50,50	0
56	MG	2A	3583	1/1	0.95	0.12	25,25,25,25	0
56	MG	1A	8188	1/1	0.95	0.44	16,16,16,16	0
56	MG	2A	3321	1/1	0.95	0.14	18,18,18,18	0
56	MG	1A	8265	1/1	0.95	0.17	18,18,18,18	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	2a	1682	1/1	0.95	0.11	53,53,53,53	0
56	MG	1A	8142	1/1	0.95	0.36	11,11,11,11	0
56	MG	2A	3070	1/1	0.95	0.43	39,39,39,39	0
56	MG	2A	3325	1/1	0.95	0.24	35,35,35,35	0
56	MG	1A	8843	1/1	0.95	0.13	33,33,33,33	0
56	MG	2A	3073	1/1	0.95	0.15	32,32,32,32	0
56	MG	2A	3594	1/1	0.95	0.10	44,44,44,44	0
56	MG	2A	3595	1/1	0.95	0.12	32,32,32,32	0
56	MG	1A	8325	1/1	0.95	0.20	21,21,21,21	0
56	MG	2a	1692	1/1	0.95	0.24	44,44,44,44	0
56	MG	1E	305	1/1	0.95	0.31	12,12,12,12	0
56	MG	2a	1694	1/1	0.95	0.13	28,28,28,28	0
56	MG	2A	3599	1/1	0.95	0.10	48,48,48,48	0
56	MG	2A	3876	1/1	0.95	0.53	30,30,30,30	0
56	MG	1A	8708	1/1	0.95	0.18	17,17,17,17	0
56	MG	2A	3335	1/1	0.95	0.14	37,37,37,37	0
56	MG	1A	8191	1/1	0.95	0.20	17,17,17,17	0
56	MG	1A	8035	1/1	0.95	0.19	30,30,30,30	0
56	MG	2A	3338	1/1	0.95	0.21	40,40,40,40	0
56	MG	1F	302	1/1	0.95	0.22	16,16,16,16	0
56	MG	1A	8713	1/1	0.95	0.08	9,9,9,9	0
56	MG	2A	3081	1/1	0.95	0.16	27,27,27,27	0
56	MG	1A	8714	1/1	0.95	0.12	9,9,9,9	0
56	MG	1A	8511	1/1	0.95	0.15	32,32,32,32	0
56	MG	2A	3086	1/1	0.95	0.56	40,40,40,40	0
56	MG	1A	8854	1/1	0.95	0.09	22,22,22,22	0
56	MG	1G	3001	1/1	0.95	0.11	52,52,52,52	0
56	MG	2A	3615	1/1	0.95	0.35	36,36,36,36	0
56	MG	1A	8606	1/1	0.95	0.08	26,26,26,26	0
56	MG	1A	8513	1/1	0.95	0.06	27,27,27,27	0
56	MG	2A	3896	1/1	0.95	0.04	28,28,28,28	0
56	MG	1A	8016	1/1	0.95	0.12	18,18,18,18	0
56	MG	1A	8515	1/1	0.95	0.11	28,28,28,28	0
56	MG	1A	8516	1/1	0.95	0.13	34,34,34,34	0
56	MG	1A	8414	1/1	0.95	0.06	35,35,35,35	0
56	MG	2a	1721	1/1	0.95	0.15	47,47,47,47	0
56	MG	1A	8725	1/1	0.95	0.13	18,18,18,18	0
56	MG	2a	1723	1/1	0.95	0.14	50,50,50,50	0
56	MG	1A	8862	1/1	0.95	0.07	42,42,42,42	0
56	MG	2A	3100	1/1	0.95	0.18	37,37,37,37	0
56	MG	2A	3627	1/1	0.95	0.19	55,55,55,55	0
56	MG	1A	8332	1/1	0.95	0.11	48,48,48,48	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	2A	3102	1/1	0.95	0.20	29,29,29,29	0
56	MG	1A	8195	1/1	0.95	0.22	8,8,8,8	0
56	MG	1Q	206	1/1	0.95	0.12	17,17,17,17	0
56	MG	2A	3632	1/1	0.95	0.12	38,38,38,38	0
56	MG	1A	8729	1/1	0.95	0.15	43,43,43,43	0
56	MG	2A	3635	1/1	0.95	0.11	36,36,36,36	0
56	MG	1R	202	1/1	0.95	0.22	26,26,26,26	0
56	MG	1A	8335	1/1	0.95	0.24	38,38,38,38	0
56	MG	2A	3638	1/1	0.95	0.10	32,32,32,32	0
56	MG	1A	8867	1/1	0.95	0.12	55,55,55,55	0
56	MG	1T	201	1/1	0.95	0.09	37,37,37,37	0
56	MG	1A	8079	1/1	0.95	0.27	16,16,16,16	0
56	MG	1U	202	1/1	0.95	0.14	17,17,17,17	0
56	MG	2A	3645	1/1	0.95	0.31	29,29,29,29	0
56	MG	1A	8338	1/1	0.95	0.16	13,13,13,13	0
56	MG	2A	3648	1/1	0.95	0.09	34,34,34,34	0
56	MG	1A	8147	1/1	0.95	0.33	18,18,18,18	0
56	MG	1W	3001	1/1	0.95	0.13	21,21,21,21	0
56	MG	2a	1747	1/1	0.95	0.22	39,39,39,39	0
56	MG	2a	1749	1/1	0.95	0.19	57,57,57,57	0
56	MG	1A	8620	1/1	0.95	0.16	25,25,25,25	0
56	MG	1A	8275	1/1	0.95	0.22	10,10,10,10	0
56	MG	2A	3935	1/1	0.95	0.11	68,68,68,68	0
56	MG	1A	8070	1/1	0.95	0.22	16,16,16,16	0
56	MG	1A	8343	1/1	0.95	0.12	12,12,12,12	0
56	MG	1A	8007	1/1	0.95	0.15	8,8,8,8	0
56	MG	2A	3940	1/1	0.95	0.34	8,8,8,8	0
56	MG	1A	8278	1/1	0.95	0.12	8,8,8,8	0
56	MG	11	102	1/1	0.95	0.14	23,23,23,23	0
56	MG	2A	3388	1/1	0.95	0.17	23,23,23,23	0
56	MG	2A	3127	1/1	0.95	0.47	27,27,27,27	0
56	MG	2A	3130	1/1	0.95	0.13	27,27,27,27	0
56	MG	15	101	1/1	0.95	0.10	32,32,32,32	0
56	MG	2A	3393	1/1	0.95	0.17	27,27,27,27	0
56	MG	2A	3132	1/1	0.95	0.12	32,32,32,32	0
56	MG	2A	3397	1/1	0.95	0.20	21,21,21,21	0
56	MG	2A	3135	1/1	0.95	0.09	24,24,24,24	0
56	MG	1A	8346	1/1	0.95	0.18	14,14,14,14	0
56	MG	2A	3956	1/1	0.95	0.49	35,35,35,35	0
56	MG	15	104	1/1	0.95	0.23	16,16,16,16	0
56	MG	2A	3676	1/1	0.95	0.15	31,31,31,31	0
56	MG	15	105	1/1	0.95	0.23	12,12,12,12	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	1a	1787	1/1	0.95	0.45	47,47,47,47	0
56	MG	1A	8236	1/1	0.95	0.26	22,22,22,22	0
56	MG	1A	8883	1/1	0.95	0.08	30,30,30,30	0
56	MG	15	108	1/1	0.95	0.16	28,28,28,28	0
56	MG	2A	3147	1/1	0.95	0.11	36,36,36,36	0
56	MG	2A	3969	1/1	0.95	0.21	55,55,55,55	0
56	MG	2A	3409	1/1	0.95	0.24	31,31,31,31	0
56	MG	2A	3972	1/1	0.95	0.11	31,31,31,31	0
56	MG	2A	3974	1/1	0.95	0.21	27,27,27,27	0
56	MG	1A	8349	1/1	0.95	0.11	13,13,13,13	0
56	MG	1A	8746	1/1	0.95	0.19	22,22,22,22	0
56	MG	19	101	1/1	0.95	0.57	24,24,24,24	0
56	MG	1a	1794	1/1	0.95	0.43	43,43,43,43	0
56	MG	19	103	1/1	0.95	0.25	23,23,23,23	0
56	MG	1A	8281	1/1	0.95	0.09	28,28,28,28	0
56	MG	1A	8632	1/1	0.95	0.09	55,55,55,55	0
56	MG	1a	1798	1/1	0.95	0.13	48,48,48,48	0
56	MG	2A	3987	1/1	0.95	0.28	28,28,28,28	0
56	MG	1A	8891	1/1	0.95	0.09	15,15,15,15	0
56	MG	1A	8892	1/1	0.95	0.11	28,28,28,28	0
56	MG	2B	3003	1/1	0.95	0.08	37,37,37,37	0
56	MG	1A	8353	1/1	0.95	0.16	7,7,7,7	0
56	MG	1A	8756	1/1	0.95	0.25	14,14,14,14	0
56	MG	1A	8635	1/1	0.95	0.20	34,34,34,34	0
56	MG	1a	1609	1/1	0.95	0.22	43,43,43,43	0
56	MG	1A	8440	1/1	0.95	0.17	5,5,5,5	0
56	MG	1A	8898	1/1	0.95	0.15	39,39,39,39	0
56	MG	1a	1811	1/1	0.95	0.07	58,58,58,58	0
56	MG	2A	3708	1/1	0.95	0.09	30,30,30,30	0
56	MG	1A	8020	1/1	0.95	0.23	8,8,8,8	0
56	MG	1A	8639	1/1	0.95	0.11	24,24,24,24	0
56	MG	1A	8901	1/1	0.95	0.17	34,34,34,34	0
56	MG	2A	3175	1/1	0.95	0.15	35,35,35,35	0
56	MG	1A	8113	1/1	0.95	0.15	16,16,16,16	0
56	MG	1A	8084	1/1	0.95	0.21	23,23,23,23	0
56	MG	1A	8100	1/1	0.95	0.23	28,28,28,28	0
56	MG	1A	8769	1/1	0.95	0.11	20,20,20,20	0
56	MG	1A	8770	1/1	0.95	0.14	21,21,21,21	0
56	MG	1a	1621	1/1	0.95	0.27	26,26,26,26	0
56	MG	1A	8908	1/1	0.95	0.16	9,9,9,9	0
56	MG	2a	1814	1/1	0.95	0.26	40,40,40,40	0
56	MG	1A	8771	1/1	0.95	0.08	24,24,24,24	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	2a	1816	1/1	0.95	0.17	56,56,56,56	0
56	MG	2A	3187	1/1	0.95	0.28	42,42,42,42	0
56	MG	1A	8645	1/1	0.95	0.17	11,11,11,11	0
56	MG	2A	3725	1/1	0.95	0.11	29,29,29,29	0
56	MG	1A	8912	1/1	0.95	0.14	15,15,15,15	0
56	MG	1A	8913	1/1	0.95	0.14	48,48,48,48	0
56	MG	1a	1627	1/1	0.95	0.44	37,37,37,37	0
56	MG	2D	311	1/1	0.95	0.14	29,29,29,29	0
56	MG	1A	8131	1/1	0.95	0.24	12,12,12,12	0
56	MG	1A	8362	1/1	0.95	0.06	52,52,52,52	0
56	MG	2f	8001	1/1	0.95	0.14	43,43,43,43	0
56	MG	1A	8775	1/1	0.95	0.06	9,9,9,9	0
56	MG	2A	3732	1/1	0.95	0.20	62,62,62,62	0
56	MG	2i	3001	1/1	0.95	0.14	36,36,36,36	0
56	MG	2A	3198	1/1	0.95	0.06	36,36,36,36	0
56	MG	1A	8452	1/1	0.95	0.06	26,26,26,26	0
56	MG	1a	1835	1/1	0.95	0.14	43,43,43,43	0
56	MG	1a	1836	1/1	0.95	0.35	36,36,36,36	0
56	MG	1a	1837	1/1	0.95	0.15	39,39,39,39	0
56	MG	2A	3738	1/1	0.95	0.10	43,43,43,43	0
56	MG	1A	8551	1/1	0.95	0.04	32,32,32,32	0
56	MG	1A	8779	1/1	0.95	0.08	29,29,29,29	0
56	MG	2x	103	1/1	0.95	0.14	49,49,49,49	0
56	MG	1A	8920	1/1	0.95	0.23	6,6,6,6	0
56	MG	2A	3206	1/1	0.95	0.21	48,48,48,48	0
56	MG	2F	306	1/1	0.95	0.14	30,30,30,30	0
56	MG	2A	3476	1/1	0.95	0.09	34,34,34,34	0
56	MG	1A	8455	1/1	0.95	0.09	22,22,22,22	0
56	MG	1A	8363	1/1	0.95	0.24	15,15,15,15	0
56	MG	2A	3209	1/1	0.95	0.28	37,37,37,37	0
56	MG	1A	8364	1/1	0.95	0.13	26,26,26,26	0
56	MG	1A	8927	1/1	0.95	0.30	8,8,8,8	0
56	MG	2A	3212	1/1	0.95	0.32	27,27,27,27	0
56	MG	2A	3753	1/1	0.95	0.29	27,27,27,27	0
57	ZN	2n	501	1/1	0.95	0.08	64,64,64,64	0
56	MG	1a	1644	1/1	0.95	0.22	38,38,38,38	0
56	MG	1a	1645	1/1	0.95	0.21	34,34,34,34	0
56	MG	2A	3898	1/1	0.96	0.19	46,46,46,46	0
56	MG	2A	3150	1/1	0.96	0.30	35,35,35,35	0
56	MG	1a	1745	1/1	0.96	0.11	41,41,41,41	0
56	MG	2A	3510	1/1	0.96	0.14	54,54,54,54	0
56	MG	1A	8310	1/1	0.96	0.09	8,8,8,8	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	2a	1645	1/1	0.96	0.12	53,53,53,53	0
56	MG	1A	8067	1/1	0.96	0.20	10,10,10,10	0
56	MG	2A	3154	1/1	0.96	0.16	31,31,31,31	0
56	MG	1A	8416	1/1	0.96	0.08	36,36,36,36	0
56	MG	2A	3005	1/1	0.96	0.31	32,32,32,32	0
56	MG	2A	3909	1/1	0.96	0.22	29,29,29,29	0
56	MG	1B	3012	1/1	0.96	0.11	25,25,25,25	0
56	MG	1A	8342	1/1	0.96	0.12	9,9,9,9	0
56	MG	1A	8068	1/1	0.96	0.20	16,16,16,16	0
56	MG	2A	3329	1/1	0.96	0.12	30,30,30,30	0
56	MG	1A	8376	1/1	0.96	0.07	14,14,14,14	0
56	MG	1A	8647	1/1	0.96	0.42	14,14,14,14	0
56	MG	2A	3334	1/1	0.96	0.14	23,23,23,23	0
56	MG	2A	3718	1/1	0.96	0.14	30,30,30,30	0
56	MG	2A	3164	1/1	0.96	0.17	29,29,29,29	0
56	MG	1A	8799	1/1	0.96	0.22	23,23,23,23	0
56	MG	2A	3012	1/1	0.96	0.16	41,41,41,41	0
56	MG	1A	8589	1/1	0.96	0.31	13,13,13,13	0
56	MG	2A	3926	1/1	0.96	0.28	36,36,36,36	0
56	MG	1B	3021	1/1	0.96	0.10	28,28,28,28	0
56	MG	1A	8204	1/1	0.96	0.36	20,20,20,20	0
56	MG	1A	8721	1/1	0.96	0.13	11,11,11,11	0
56	MG	2A	3531	1/1	0.96	0.18	36,36,36,36	0
56	MG	1A	8421	1/1	0.96	0.07	26,26,26,26	0
56	MG	1A	8378	1/1	0.96	0.14	24,24,24,24	0
56	MG	2a	1671	1/1	0.96	0.11	34,34,34,34	0
56	MG	1A	8118	1/1	0.96	0.18	10,10,10,10	0
56	MG	2A	3347	1/1	0.96	0.15	34,34,34,34	0
56	MG	1A	8381	1/1	0.96	0.15	10,10,10,10	0
56	MG	1A	8538	1/1	0.96	0.11	14,14,14,14	0
56	MG	1a	1630	1/1	0.96	0.28	17,17,17,17	0
56	MG	2A	3179	1/1	0.96	0.11	35,35,35,35	0
56	MG	1A	8262	1/1	0.96	0.28	58,58,58,58	0
56	MG	1A	8427	1/1	0.96	0.17	7,7,7,7	0
56	MG	2A	3943	1/1	0.96	0.23	40,40,40,40	0
56	MG	1A	8036	1/1	0.96	0.12	17,17,17,17	0
56	MG	2A	3355	1/1	0.96	0.12	20,20,20,20	0
56	MG	1A	8660	1/1	0.96	0.11	16,16,16,16	0
56	MG	2A	3357	1/1	0.96	0.15	20,20,20,20	0
56	MG	1a	1637	1/1	0.96	0.42	38,38,38,38	0
56	MG	2A	3361	1/1	0.96	0.07	42,42,42,42	0
56	MG	1D	310	1/1	0.96	0.12	12,12,12,12	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	1D	311	1/1	0.96	0.10	31,31,31,31	0
56	MG	1A	8225	1/1	0.96	0.20	10,10,10,10	0
56	MG	2A	3033	1/1	0.96	0.28	28,28,28,28	0
56	MG	2A	3366	1/1	0.96	0.12	29,29,29,29	0
56	MG	1D	313	1/1	0.96	0.19	33,33,33,33	0
56	MG	2A	3194	1/1	0.96	0.14	24,24,24,24	0
56	MG	1A	8903	1/1	0.96	0.15	19,19,19,19	0
56	MG	1A	8543	1/1	0.96	0.09	20,20,20,20	0
56	MG	2a	1698	1/1	0.96	0.29	40,40,40,40	0
56	MG	2A	3756	1/1	0.96	0.10	28,28,28,28	0
56	MG	2A	3964	1/1	0.96	0.35	37,37,37,37	0
56	MG	1E	302	1/1	0.96	0.15	9,9,9,9	0
56	MG	2A	3038	1/1	0.96	0.27	30,30,30,30	0
56	MG	1A	8003	1/1	0.96	0.15	29,29,29,29	0
56	MG	1A	8664	1/1	0.96	0.12	26,26,26,26	0
56	MG	1A	8545	1/1	0.96	0.11	33,33,33,33	0
56	MG	1A	8352	1/1	0.96	0.08	21,21,21,21	0
56	MG	2A	3973	1/1	0.96	0.17	35,35,35,35	0
56	MG	1A	8820	1/1	0.96	0.11	24,24,24,24	0
56	MG	2A	3976	1/1	0.96	0.29	28,28,28,28	0
56	MG	1a	1653	1/1	0.96	0.23	32,32,32,32	0
56	MG	2A	3046	1/1	0.96	0.22	26,26,26,26	0
56	MG	1a	1654	1/1	0.96	0.19	43,43,43,43	0
56	MG	2A	3572	1/1	0.96	0.22	56,56,56,56	0
56	MG	2A	3573	1/1	0.96	0.11	41,41,41,41	0
56	MG	1A	8821	1/1	0.96	0.07	9,9,9,9	0
56	MG	1A	8739	1/1	0.96	0.18	28,28,28,28	0
56	MG	1A	8194	1/1	0.96	0.31	17,17,17,17	0
56	MG	2A	3986	1/1	0.96	0.19	37,37,37,37	0
56	MG	2A	3052	1/1	0.96	0.32	37,37,37,37	0
56	MG	2A	3774	1/1	0.96	0.50	56,56,56,56	0
56	MG	1A	8163	1/1	0.96	0.24	17,17,17,17	0
56	MG	1A	8743	1/1	0.96	0.27	14,14,14,14	0
56	MG	1A	8004	1/1	0.96	0.17	18,18,18,18	0
56	MG	1A	8294	1/1	0.96	0.06	29,29,29,29	0
56	MG	1A	8042	1/1	0.96	0.11	33,33,33,33	0
56	MG	1A	8830	1/1	0.96	0.09	27,27,27,27	0
56	MG	1A	8139	1/1	0.96	0.18	15,15,15,15	0
56	MG	1A	8675	1/1	0.96	0.17	17,17,17,17	0
56	MG	2A	3783	1/1	0.96	0.13	55,55,55,55	0
56	MG	1A	8395	1/1	0.96	0.16	34,34,34,34	0
56	MG	1A	8924	1/1	0.96	0.14	12,12,12,12	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	1P	203	1/1	0.96	0.12	8,8,8,8	0
56	MG	1A	8754	1/1	0.96	0.20	18,18,18,18	0
56	MG	1A	8499	1/1	0.96	0.16	18,18,18,18	0
56	MG	2A	3068	1/1	0.96	0.21	34,34,34,34	0
56	MG	2A	3404	1/1	0.96	0.09	25,25,25,25	0
56	MG	1A	8837	1/1	0.96	0.07	18,18,18,18	0
56	MG	1a	1806	1/1	0.96	0.11	49,49,49,49	0
56	MG	2A	3071	1/1	0.96	0.11	25,25,25,25	0
56	MG	1A	8444	1/1	0.96	0.12	12,12,12,12	0
56	MG	1a	1808	1/1	0.96	0.07	35,35,35,35	0
56	MG	1A	8359	1/1	0.96	0.08	24,24,24,24	0
56	MG	1a	1810	1/1	0.96	0.07	52,52,52,52	0
56	MG	1A	8841	1/1	0.96	0.09	34,34,34,34	0
56	MG	1A	8932	1/1	0.96	0.22	21,21,21,21	0
56	MG	1A	8681	1/1	0.96	0.16	32,32,32,32	0
56	MG	1A	8361	1/1	0.96	0.09	26,26,26,26	0
56	MG	2A	3608	1/1	0.96	0.18	21,21,21,21	0
56	MG	2D	309	1/1	0.96	0.14	37,37,37,37	0
56	MG	1A	8272	1/1	0.96	0.17	27,27,27,27	0
56	MG	1A	8563	1/1	0.96	0.13	11,11,11,11	0
56	MG	2A	3611	1/1	0.96	0.55	34,34,34,34	0
56	MG	1a	1684	1/1	0.96	0.17	35,35,35,35	0
56	MG	2A	3244	1/1	0.96	0.43	30,30,30,30	0
56	MG	1a	1818	1/1	0.96	0.11	41,41,41,41	0
56	MG	2A	3809	1/1	0.96	0.13	20,20,20,20	0
56	MG	2A	3423	1/1	0.96	0.11	37,37,37,37	0
56	MG	2A	3616	1/1	0.96	0.15	39,39,39,39	0
56	MG	2A	3246	1/1	0.96	0.08	26,26,26,26	0
56	MG	2A	3085	1/1	0.96	0.35	28,28,28,28	0
56	MG	2A	3619	1/1	0.96	0.23	36,36,36,36	0
56	MG	1A	8942	1/1	0.96	0.14	11,11,11,11	0
56	MG	1U	203	1/1	0.96	0.17	13,13,13,13	0
56	MG	2F	303	1/1	0.96	0.14	29,29,29,29	0
56	MG	2F	304	1/1	0.96	0.09	44,44,44,44	0
56	MG	1a	1822	1/1	0.96	0.05	25,25,25,25	0
56	MG	1A	8944	1/1	0.96	0.14	24,24,24,24	0
56	MG	1A	8765	1/1	0.96	0.08	23,23,23,23	0
56	MG	2A	3822	1/1	0.96	0.04	46,46,46,46	0
56	MG	1V	203	1/1	0.96	0.10	40,40,40,40	0
56	MG	2A	3824	1/1	0.96	0.08	42,42,42,42	0
56	MG	2A	3432	1/1	0.96	0.09	45,45,45,45	0
56	MG	1A	8766	1/1	0.96	0.05	37,37,37,37	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	1W	3002	1/1	0.96	0.30	28,28,28,28	0
56	MG	2A	3096	1/1	0.96	0.33	21,21,21,21	0
56	MG	1W	3003	1/1	0.96	0.12	12,12,12,12	0
56	MG	1X	101	1/1	0.96	0.07	20,20,20,20	0
56	MG	2A	3831	1/1	0.96	0.28	35,35,35,35	0
56	MG	1A	8851	1/1	0.96	0.08	33,33,33,33	0
56	MG	1A	8564	1/1	0.96	0.24	11,11,11,11	0
56	MG	2Q	204	1/1	0.96	0.14	42,42,42,42	0
56	MG	1A	8951	1/1	0.96	0.10	20,20,20,20	0
56	MG	1A	8768	1/1	0.96	0.15	12,12,12,12	0
56	MG	2A	3836	1/1	0.96	0.16	32,32,32,32	0
56	MG	1a	1705	1/1	0.96	0.15	25,25,25,25	0
56	MG	2A	3447	1/1	0.96	0.18	22,22,22,22	0
56	MG	2A	3839	1/1	0.96	0.10	27,27,27,27	0
56	MG	2A	3269	1/1	0.96	0.40	44,44,44,44	0
56	MG	2A	3104	1/1	0.96	0.24	25,25,25,25	0
56	MG	2A	3453	1/1	0.96	0.15	44,44,44,44	0
56	MG	1A	8064	1/1	0.96	0.14	23,23,23,23	0
56	MG	2A	3272	1/1	0.96	0.18	30,30,30,30	0
56	MG	2X	101	1/1	0.96	0.13	33,33,33,33	0
56	MG	1A	8510	1/1	0.96	0.16	29,29,29,29	0
56	MG	1a	1708	1/1	0.96	0.25	43,43,43,43	0
56	MG	10	108	1/1	0.96	0.13	35,35,35,35	0
56	MG	11	101	1/1	0.96	0.15	26,26,26,26	0
56	MG	2A	3653	1/1	0.96	0.10	41,41,41,41	0
56	MG	1b	3001	1/1	0.96	0.12	50,50,50,50	0
56	MG	2A	3655	1/1	0.96	0.19	25,25,25,25	0
56	MG	2A	3656	1/1	0.96	0.32	24,24,24,24	0
56	MG	1a	1712	1/1	0.96	0.04	39,39,39,39	0
56	MG	1A	8043	1/1	0.96	0.16	24,24,24,24	0
56	MG	25	101	1/1	0.96	0.12	27,27,27,27	0
56	MG	13	102	1/1	0.96	0.20	20,20,20,20	0
56	MG	1A	8305	1/1	0.96	0.12	29,29,29,29	0
56	MG	27	101	1/1	0.96	0.34	39,39,39,39	0
56	MG	2A	3661	1/1	0.96	0.20	36,36,36,36	0
56	MG	1A	8456	1/1	0.96	0.07	25,25,25,25	0
56	MG	2A	3473	1/1	0.96	0.28	51,51,51,51	0
56	MG	2A	3284	1/1	0.96	0.10	41,41,41,41	0
56	MG	1e	201	1/1	0.96	0.11	28,28,28,28	0
56	MG	1A	8405	1/1	0.96	0.12	16,16,16,16	0
56	MG	1A	8407	1/1	0.96	0.11	20,20,20,20	0
56	MG	1A	8216	1/1	0.96	0.37	15,15,15,15	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	2A	3669	1/1	0.96	0.09	34,34,34,34	0
56	MG	1A	8965	1/1	0.96	0.25	14,14,14,14	0
56	MG	1A	8409	1/1	0.96	0.10	35,35,35,35	0
56	MG	2A	3293	1/1	0.96	0.14	24,24,24,24	0
56	MG	1A	8699	1/1	0.96	0.12	17,17,17,17	0
56	MG	2A	3674	1/1	0.96	0.06	32,32,32,32	0
56	MG	1A	8633	1/1	0.96	0.09	10,10,10,10	0
56	MG	1A	8575	1/1	0.96	0.15	14,14,14,14	0
56	MG	2A	3297	1/1	0.96	0.10	31,31,31,31	0
56	MG	1A	8576	1/1	0.96	0.06	29,29,29,29	0
56	MG	2l	202	1/1	0.96	0.09	50,50,50,50	0
56	MG	2A	3299	1/1	0.96	0.04	41,41,41,41	0
56	MG	1A	8783	1/1	0.96	0.14	15,15,15,15	0
56	MG	2A	3133	1/1	0.96	0.49	39,39,39,39	0
56	MG	1a	1601	1/1	0.96	0.07	43,43,43,43	0
56	MG	2A	3136	1/1	0.96	0.17	34,34,34,34	0
56	MG	1A	8090	1/1	0.96	0.08	36,36,36,36	0
56	MG	1A	8705	1/1	0.96	0.10	10,10,10,10	0
56	MG	2A	3308	1/1	0.96	0.17	47,47,47,47	0
56	MG	2A	3886	1/1	0.96	0.13	43,43,43,43	0
56	MG	2A	3887	1/1	0.96	0.12	41,41,41,41	0
56	MG	1A	8707	1/1	0.96	0.06	45,45,45,45	0
56	MG	1a	1737	1/1	0.96	0.12	40,40,40,40	0
56	MG	2A	3693	1/1	0.96	0.21	34,34,34,34	0
56	MG	1A	8873	1/1	0.96	0.13	10,10,10,10	0
56	MG	2a	1631	1/1	0.96	0.23	42,42,42,42	0
56	MG	1A	8238	1/1	0.96	0.15	19,19,19,19	0
57	ZN	1n	102	1/1	0.96	0.10	55,55,55,55	0
56	MG	1A	8875	1/1	0.96	0.28	10,10,10,10	0
56	MG	2A	3145	1/1	0.96	0.15	32,32,32,32	0
56	MG	1A	8709	1/1	0.96	0.11	23,23,23,23	0
56	MG	1A	8710	1/1	0.96	0.10	16,16,16,16	0
56	MG	1a	1611	1/1	0.96	0.09	38,38,38,38	0
56	MG	2A	3695	1/1	0.97	0.07	33,33,33,33	0
56	MG	1a	1719	1/1	0.97	0.22	35,35,35,35	0
56	MG	1a	1720	1/1	0.97	0.17	49,49,49,49	0
56	MG	1A	8280	1/1	0.97	0.08	18,18,18,18	0
56	MG	1A	8066	1/1	0.97	0.17	25,25,25,25	0
56	MG	1A	8453	1/1	0.97	0.08	24,24,24,24	0
56	MG	1A	8329	1/1	0.97	0.08	24,24,24,24	0
56	MG	1A	8056	1/1	0.97	0.08	12,12,12,12	0
56	MG	2A	3313	1/1	0.97	0.13	31,31,31,31	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	2a	1639	1/1	0.97	0.10	27,27,27,27	0
56	MG	2A	3904	1/1	0.97	0.28	47,47,47,47	0
56	MG	2A	3146	1/1	0.97	0.33	28,28,28,28	0
56	MG	1A	8162	1/1	0.97	0.15	10,10,10,10	0
56	MG	1A	8460	1/1	0.97	0.13	33,33,33,33	0
56	MG	1A	8388	1/1	0.97	0.09	11,11,11,11	0
56	MG	1A	8462	1/1	0.97	0.13	8,8,8,8	0
56	MG	1A	8219	1/1	0.97	0.38	12,12,12,12	0
56	MG	2A	3911	1/1	0.97	0.08	53,53,53,53	0
56	MG	1A	8099	1/1	0.97	0.18	12,12,12,12	0
56	MG	2A	3913	1/1	0.97	0.40	34,34,34,34	0
56	MG	1A	8844	1/1	0.97	0.22	15,15,15,15	0
56	MG	1A	8845	1/1	0.97	0.17	28,28,28,28	0
56	MG	2A	3155	1/1	0.97	0.11	24,24,24,24	0
56	MG	2A	3002	1/1	0.97	0.18	28,28,28,28	0
56	MG	2A	3918	1/1	0.97	0.06	43,43,43,43	0
56	MG	1A	8962	1/1	0.97	0.17	11,11,11,11	0
56	MG	1A	8047	1/1	0.97	0.31	6,6,6,6	0
56	MG	1a	1738	1/1	0.97	0.12	43,43,43,43	0
56	MG	1A	8964	1/1	0.97	0.15	12,12,12,12	0
56	MG	1A	8337	1/1	0.97	0.16	34,34,34,34	0
56	MG	2A	3330	1/1	0.97	0.22	23,23,23,23	0
56	MG	1A	8740	1/1	0.97	0.14	27,27,27,27	0
56	MG	2A	3163	1/1	0.97	0.14	23,23,23,23	0
56	MG	2A	3723	1/1	0.97	0.08	45,45,45,45	0
56	MG	2A	3333	1/1	0.97	0.15	39,39,39,39	0
56	MG	1a	1602	1/1	0.97	0.13	54,54,54,54	0
56	MG	1A	8642	1/1	0.97	0.10	18,18,18,18	0
56	MG	1A	8287	1/1	0.97	0.18	23,23,23,23	0
56	MG	2a	1668	1/1	0.97	0.21	46,46,46,46	0
56	MG	1A	8969	1/1	0.97	0.23	12,12,12,12	0
56	MG	1A	8553	1/1	0.97	0.14	18,18,18,18	0
56	MG	1A	8288	1/1	0.97	0.16	8,8,8,8	0
56	MG	2A	3170	1/1	0.97	0.15	39,39,39,39	0
56	MG	2a	1673	1/1	0.97	0.06	33,33,33,33	0
56	MG	1A	8167	1/1	0.97	0.39	17,17,17,17	0
56	MG	2A	3938	1/1	0.97	0.47	38,38,38,38	0
56	MG	1A	8223	1/1	0.97	0.45	18,18,18,18	0
56	MG	1A	8557	1/1	0.97	0.27	16,16,16,16	0
56	MG	2A	3345	1/1	0.97	0.07	39,39,39,39	0
56	MG	1A	8749	1/1	0.97	0.13	22,22,22,22	0
56	MG	1A	8141	1/1	0.97	0.20	22,22,22,22	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	1A	8752	1/1	0.97	0.10	12,12,12,12	0
56	MG	1A	8292	1/1	0.97	0.09	26,26,26,26	0
56	MG	1A	8399	1/1	0.97	0.04	34,34,34,34	0
56	MG	2A	3543	1/1	0.97	0.04	50,50,50,50	0
56	MG	2A	3949	1/1	0.97	0.23	26,26,26,26	0
56	MG	1A	8561	1/1	0.97	0.21	17,17,17,17	0
56	MG	1A	8562	1/1	0.97	0.14	9,9,9,9	0
56	MG	1B	3009	1/1	0.97	0.31	37,37,37,37	0
56	MG	2A	3746	1/1	0.97	0.21	27,27,27,27	0
56	MG	1A	8474	1/1	0.97	0.16	13,13,13,13	0
56	MG	2A	3748	1/1	0.97	0.18	47,47,47,47	0
56	MG	2A	3184	1/1	0.97	0.23	25,25,25,25	0
56	MG	1A	8475	1/1	0.97	0.16	28,28,28,28	0
56	MG	1a	1761	1/1	0.97	0.14	44,44,44,44	0
56	MG	2A	3961	1/1	0.97	0.45	35,35,35,35	0
56	MG	1A	8400	1/1	0.97	0.25	42,42,42,42	0
56	MG	2A	3360	1/1	0.97	0.12	33,33,33,33	0
56	MG	1A	8658	1/1	0.97	0.27	9,9,9,9	0
56	MG	1B	3014	1/1	0.97	0.10	31,31,31,31	0
56	MG	1B	3015	1/1	0.97	0.14	18,18,18,18	0
56	MG	2A	3193	1/1	0.97	0.14	27,27,27,27	0
56	MG	2A	3557	1/1	0.97	0.53	33,33,33,33	0
56	MG	2A	3970	1/1	0.97	0.42	53,53,53,53	0
56	MG	1a	1766	1/1	0.97	0.15	34,34,34,34	0
56	MG	1A	8006	1/1	0.97	0.13	14,14,14,14	0
56	MG	1A	8567	1/1	0.97	0.12	31,31,31,31	0
56	MG	2a	1708	1/1	0.97	0.08	29,29,29,29	0
56	MG	1A	8170	1/1	0.97	0.28	23,23,23,23	0
56	MG	2A	3975	1/1	0.97	0.13	22,22,22,22	0
56	MG	1a	1770	1/1	0.97	0.22	47,47,47,47	0
56	MG	1a	1771	1/1	0.97	0.11	46,46,46,46	0
56	MG	1A	8296	1/1	0.97	0.11	21,21,21,21	0
56	MG	1A	8347	1/1	0.97	0.22	13,13,13,13	0
56	MG	1A	8406	1/1	0.97	0.16	42,42,42,42	0
56	MG	2A	3981	1/1	0.97	0.63	41,41,41,41	0
56	MG	1A	8297	1/1	0.97	0.09	13,13,13,13	0
56	MG	2A	3045	1/1	0.97	0.34	20,20,20,20	0
56	MG	1a	1632	1/1	0.97	0.47	41,41,41,41	0
56	MG	1A	8021	1/1	0.97	0.30	12,12,12,12	0
56	MG	1B	3024	1/1	0.97	0.15	18,18,18,18	0
56	MG	1A	8017	1/1	0.97	0.11	13,13,13,13	0
56	MG	1A	8351	1/1	0.97	0.11	16,16,16,16	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	2A	3381	1/1	0.97	0.09	31,31,31,31	0
56	MG	1A	8089	1/1	0.97	0.19	20,20,20,20	0
56	MG	1A	8301	1/1	0.97	0.13	27,27,27,27	0
56	MG	1a	1640	1/1	0.97	0.13	47,47,47,47	0
56	MG	1A	8671	1/1	0.97	0.12	17,17,17,17	0
56	MG	2A	3056	1/1	0.97	0.10	29,29,29,29	0
56	MG	2A	3216	1/1	0.97	0.25	28,28,28,28	0
56	MG	1A	8146	1/1	0.97	0.19	13,13,13,13	0
56	MG	1A	8492	1/1	0.97	0.08	18,18,18,18	0
56	MG	1A	8415	1/1	0.97	0.08	16,16,16,16	0
56	MG	2A	3392	1/1	0.97	0.07	35,35,35,35	0
56	MG	2A	3220	1/1	0.97	0.31	29,29,29,29	0
56	MG	2A	3060	1/1	0.97	0.16	51,51,51,51	0
56	MG	2A	3589	1/1	0.97	0.38	30,30,30,30	0
56	MG	2A	3395	1/1	0.97	0.08	38,38,38,38	0
56	MG	1A	8304	1/1	0.97	0.10	17,17,17,17	0
56	MG	2A	3592	1/1	0.97	0.20	42,42,42,42	0
56	MG	1a	1646	1/1	0.97	0.36	34,34,34,34	0
56	MG	1D	308	1/1	0.97	0.13	8,8,8,8	0
56	MG	1A	8886	1/1	0.97	0.13	24,24,24,24	0
56	MG	1A	8496	1/1	0.97	0.12	21,21,21,21	0
56	MG	1A	8018	1/1	0.97	0.17	10,10,10,10	0
56	MG	2a	1748	1/1	0.97	0.14	50,50,50,50	0
56	MG	1a	1651	1/1	0.97	0.14	26,26,26,26	0
56	MG	1A	8062	1/1	0.97	0.19	13,13,13,13	0
56	MG	2A	3405	1/1	0.97	0.24	28,28,28,28	0
56	MG	1A	8125	1/1	0.97	0.18	30,30,30,30	0
56	MG	2D	303	1/1	0.97	0.18	25,25,25,25	0
56	MG	1A	8235	1/1	0.97	0.20	9,9,9,9	0
56	MG	1A	8502	1/1	0.97	0.17	18,18,18,18	0
56	MG	2D	307	1/1	0.97	0.13	33,33,33,33	0
56	MG	2D	308	1/1	0.97	0.08	33,33,33,33	0
56	MG	1A	8360	1/1	0.97	0.07	25,25,25,25	0
56	MG	1A	8309	1/1	0.97	0.10	19,19,19,19	0
56	MG	1A	8267	1/1	0.97	0.09	15,15,15,15	0
56	MG	1A	8092	1/1	0.97	0.54	17,17,17,17	0
56	MG	1A	8596	1/1	0.97	0.09	17,17,17,17	0
56	MG	1A	8509	1/1	0.97	0.16	42,42,42,42	0
56	MG	1A	8598	1/1	0.97	0.13	43,43,43,43	0
56	MG	1A	8796	1/1	0.97	0.04	35,35,35,35	0
56	MG	2A	3242	1/1	0.97	0.24	30,30,30,30	0
56	MG	1a	1665	1/1	0.97	0.24	51,51,51,51	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	1A	8694	1/1	0.97	0.05	30,30,30,30	0
56	MG	2E	304	1/1	0.97	0.21	21,21,21,21	0
56	MG	1F	306	1/1	0.97	0.14	7,7,7,7	0
56	MG	1A	8127	1/1	0.97	0.18	11,11,11,11	0
56	MG	2A	3422	1/1	0.97	0.09	45,45,45,45	0
56	MG	2A	3818	1/1	0.97	0.25	44,44,44,44	0
56	MG	2A	3819	1/1	0.97	0.07	32,32,32,32	0
56	MG	2A	3084	1/1	0.97	0.30	21,21,21,21	0
56	MG	2a	1776	1/1	0.97	0.07	51,51,51,51	0
56	MG	1A	8365	1/1	0.97	0.23	24,24,24,24	0
56	MG	1F	310	1/1	0.97	0.10	29,29,29,29	0
56	MG	2A	3251	1/1	0.97	0.11	43,43,43,43	0
56	MG	1A	8512	1/1	0.97	0.11	28,28,28,28	0
56	MG	1A	8109	1/1	0.97	0.10	12,12,12,12	0
56	MG	1A	8429	1/1	0.97	0.13	12,12,12,12	0
56	MG	1a	1675	1/1	0.97	0.12	19,19,19,19	0
56	MG	1A	8314	1/1	0.97	0.12	12,12,12,12	0
56	MG	1N	201	1/1	0.97	0.11	24,24,24,24	0
56	MG	1a	1820	1/1	0.97	0.05	51,51,51,51	0
56	MG	2A	3094	1/1	0.97	0.14	38,38,38,38	0
56	MG	2A	3095	1/1	0.97	0.15	29,29,29,29	0
56	MG	1A	8053	1/1	0.97	0.07	11,11,11,11	0
56	MG	2P	202	1/1	0.97	0.23	37,37,37,37	0
56	MG	1A	8702	1/1	0.97	0.07	30,30,30,30	0
56	MG	2Q	201	1/1	0.97	0.16	38,38,38,38	0
56	MG	2A	3264	1/1	0.97	0.67	65,65,65,65	0
56	MG	1A	8432	1/1	0.97	0.08	26,26,26,26	0
56	MG	2A	3440	1/1	0.97	0.09	30,30,30,30	0
56	MG	2A	3441	1/1	0.97	0.09	38,38,38,38	0
56	MG	1A	8369	1/1	0.97	0.12	11,11,11,11	0
56	MG	1A	8111	1/1	0.97	0.25	12,12,12,12	0
56	MG	2A	3445	1/1	0.97	0.10	42,42,42,42	0
56	MG	2U	203	1/1	0.97	0.18	35,35,35,35	0
56	MG	2A	3842	1/1	0.97	0.08	48,48,48,48	0
56	MG	2A	3268	1/1	0.97	0.21	42,42,42,42	0
56	MG	1A	8706	1/1	0.97	0.06	39,39,39,39	0
56	MG	1A	8435	1/1	0.97	0.12	16,16,16,16	0
56	MG	2A	3450	1/1	0.97	0.11	27,27,27,27	0
56	MG	2A	3649	1/1	0.97	0.05	42,42,42,42	0
56	MG	1Q	203	1/1	0.97	0.12	19,19,19,19	0
56	MG	2A	3651	1/1	0.97	0.21	35,35,35,35	0
56	MG	1Q	204	1/1	0.97	0.07	20,20,20,20	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	2A	3454	1/1	0.97	0.10	28,28,28,28	0
56	MG	2A	3852	1/1	0.97	0.22	40,40,40,40	0
56	MG	2A	3455	1/1	0.97	0.08	40,40,40,40	0
56	MG	1a	1687	1/1	0.97	0.15	39,39,39,39	0
56	MG	2A	3274	1/1	0.97	0.16	42,42,42,42	0
56	MG	1a	1831	1/1	0.97	0.39	14,14,14,14	0
56	MG	2a	1817	1/1	0.97	0.10	49,49,49,49	0
56	MG	2A	3459	1/1	0.97	0.21	33,33,33,33	0
56	MG	1A	8008	1/1	0.97	0.26	23,23,23,23	0
56	MG	2A	3108	1/1	0.97	0.30	27,27,27,27	0
56	MG	1A	8611	1/1	0.97	0.11	17,17,17,17	0
56	MG	1a	1693	1/1	0.97	0.10	29,29,29,29	0
56	MG	1A	8318	1/1	0.97	0.18	6,6,6,6	0
56	MG	1a	1696	1/1	0.97	0.06	54,54,54,54	0
56	MG	1A	8815	1/1	0.97	0.19	21,21,21,21	0
56	MG	1A	8923	1/1	0.97	0.17	17,17,17,17	0
56	MG	2A	3470	1/1	0.97	0.09	24,24,24,24	0
56	MG	2g	3001	1/1	0.97	0.13	52,52,52,52	0
56	MG	1A	8212	1/1	0.97	0.32	33,33,33,33	0
56	MG	2a	1602	1/1	0.97	0.12	48,48,48,48	0
56	MG	1A	8439	1/1	0.97	0.12	6,6,6,6	0
56	MG	1A	8926	1/1	0.97	0.10	35,35,35,35	0
56	MG	1A	8243	1/1	0.97	0.17	17,17,17,17	0
56	MG	2A	3288	1/1	0.97	0.12	25,25,25,25	0
56	MG	2A	3289	1/1	0.97	0.13	22,22,22,22	0
56	MG	1A	8132	1/1	0.97	0.23	19,19,19,19	0
56	MG	1A	8528	1/1	0.97	0.21	18,18,18,18	0
56	MG	1A	8245	1/1	0.97	0.13	8,8,8,8	0
56	MG	1A	8046	1/1	0.97	0.15	12,12,12,12	0
56	MG	1A	8379	1/1	0.97	0.14	19,19,19,19	0
56	MG	1A	8622	1/1	0.97	0.12	26,26,26,26	0
56	MG	2A	3129	1/1	0.97	0.14	28,28,28,28	0
56	MG	2A	3682	1/1	0.97	0.08	40,40,40,40	0
56	MG	1A	8446	1/1	0.97	0.11	26,26,26,26	0
56	MG	1A	8826	1/1	0.97	0.08	14,14,14,14	0
56	MG	1A	8940	1/1	0.97	0.17	6,6,6,6	0
56	MG	2a	1619	1/1	0.97	0.46	50,50,50,50	0
56	MG	1A	8624	1/1	0.97	0.07	34,34,34,34	0
56	MG	1A	8136	1/1	0.97	0.14	10,10,10,10	0
56	MG	1A	8326	1/1	0.97	0.22	20,20,20,20	0
56	MG	2A	3491	1/1	0.97	0.20	27,27,27,27	0
56	MG	2A	3492	1/1	0.97	0.21	35,35,35,35	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	2A	3691	1/1	0.97	0.16	29,29,29,29	0
56	MG	2A	3692	1/1	0.97	0.09	33,33,33,33	0
58	SF4	1d	501	8/8	0.97	0.08	48,49,54,54	0
58	SF4	2d	501	8/8	0.97	0.08	47,53,59,65	0
56	MG	1A	8945	1/1	0.97	0.12	8,8,8,8	0
56	MG	2A	3694	1/1	0.97	0.12	35,35,35,35	0
56	MG	2A	3047	1/1	0.98	0.16	18,18,18,18	0
56	MG	1A	8133	1/1	0.98	0.14	15,15,15,15	0
56	MG	2A	3941	1/1	0.98	0.12	35,35,35,35	0
56	MG	1A	8792	1/1	0.98	0.10	15,15,15,15	0
56	MG	2A	3570	1/1	0.98	0.05	35,35,35,35	0
56	MG	1A	8073	1/1	0.98	0.15	17,17,17,17	0
56	MG	1A	8682	1/1	0.98	0.08	23,23,23,23	0
56	MG	2A	3247	1/1	0.98	0.12	25,25,25,25	0
56	MG	1A	8476	1/1	0.98	0.08	17,17,17,17	0
56	MG	1a	1655	1/1	0.98	0.16	28,28,28,28	0
56	MG	1A	8684	1/1	0.98	0.08	35,35,35,35	0
56	MG	10	102	1/1	0.98	0.11	19,19,19,19	0
56	MG	1A	8422	1/1	0.98	0.05	33,33,33,33	0
56	MG	2A	3952	1/1	0.98	0.14	36,36,36,36	0
56	MG	2A	3579	1/1	0.98	0.10	25,25,25,25	0
56	MG	2A	3464	1/1	0.98	0.28	40,40,40,40	0
56	MG	1A	8637	1/1	0.98	0.12	11,11,11,11	0
56	MG	2A	3466	1/1	0.98	0.08	46,46,46,46	0
56	MG	2a	1738	1/1	0.98	0.10	43,43,43,43	0
56	MG	1A	8135	1/1	0.98	0.11	26,26,26,26	0
56	MG	1A	8011	1/1	0.98	0.18	27,27,27,27	0
56	MG	2A	3959	1/1	0.98	0.34	38,38,38,38	0
56	MG	2A	3359	1/1	0.98	0.13	30,30,30,30	0
56	MG	2A	3256	1/1	0.98	0.19	33,33,33,33	0
56	MG	2A	3471	1/1	0.98	0.12	35,35,35,35	0
56	MG	1A	8640	1/1	0.98	0.15	40,40,40,40	0
56	MG	1A	8450	1/1	0.98	0.10	14,14,14,14	0
56	MG	2A	3965	1/1	0.98	0.16	32,32,32,32	0
56	MG	1A	8481	1/1	0.98	0.06	20,20,20,20	0
56	MG	1A	8451	1/1	0.98	0.06	19,19,19,19	0
56	MG	1A	8693	1/1	0.98	0.07	28,28,28,28	0
56	MG	1A	8189	1/1	0.98	0.21	11,11,11,11	0
56	MG	1A	8748	1/1	0.98	0.16	18,18,18,18	0
56	MG	1A	8081	1/1	0.98	0.14	16,16,16,16	0
56	MG	1A	8933	1/1	0.98	0.30	20,20,20,20	0
56	MG	2A	3597	1/1	0.98	0.27	44,44,44,44	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	1A	8869	1/1	0.98	0.09	20,20,20,20	0
56	MG	1A	8935	1/1	0.98	0.32	5,5,5,5	0
56	MG	1A	8870	1/1	0.98	0.09	20,20,20,20	0
56	MG	1a	1674	1/1	0.98	0.15	40,40,40,40	0
56	MG	17	101	1/1	0.98	0.13	21,21,21,21	0
56	MG	1A	8937	1/1	0.98	0.12	11,11,11,11	0
56	MG	2A	3171	1/1	0.98	0.18	33,33,33,33	0
56	MG	1D	309	1/1	0.98	0.17	26,26,26,26	0
56	MG	1A	8750	1/1	0.98	0.05	31,31,31,31	0
56	MG	1A	8521	1/1	0.98	0.14	12,12,12,12	0
56	MG	1A	8454	1/1	0.98	0.09	16,16,16,16	0
56	MG	1A	8382	1/1	0.98	0.14	8,8,8,8	0
56	MG	1A	8943	1/1	0.98	0.34	19,19,19,19	0
56	MG	1A	8404	1/1	0.98	0.14	8,8,8,8	0
56	MG	1A	8302	1/1	0.98	0.17	21,21,21,21	0
56	MG	2a	1633	1/1	0.98	0.14	41,41,41,41	0
56	MG	1A	8458	1/1	0.98	0.18	53,53,53,53	0
56	MG	2A	3497	1/1	0.98	0.07	28,28,28,28	0
56	MG	1A	8652	1/1	0.98	0.14	24,24,24,24	0
56	MG	1A	8459	1/1	0.98	0.09	24,24,24,24	0
56	MG	1A	8321	1/1	0.98	0.14	5,5,5,5	0
56	MG	1a	1690	1/1	0.98	0.25	36,36,36,36	0
56	MG	1a	1691	1/1	0.98	0.10	30,30,30,30	0
56	MG	2A	3186	1/1	0.98	0.26	39,39,39,39	0
56	MG	1A	8950	1/1	0.98	0.10	26,26,26,26	0
56	MG	1A	8530	1/1	0.98	0.14	27,27,27,27	0
56	MG	2A	3745	1/1	0.98	0.08	39,39,39,39	0
56	MG	2A	3506	1/1	0.98	0.06	33,33,33,33	0
56	MG	2A	3189	1/1	0.98	0.25	32,32,32,32	0
56	MG	1A	8149	1/1	0.98	0.12	11,11,11,11	0
56	MG	1a	1695	1/1	0.98	0.11	27,27,27,27	0
56	MG	1A	8494	1/1	0.98	0.30	17,17,17,17	0
56	MG	2A	3511	1/1	0.98	0.14	39,39,39,39	0
56	MG	1F	304	1/1	0.98	0.07	9,9,9,9	0
56	MG	2A	3877	1/1	0.98	0.13	20,20,20,20	0
56	MG	1A	8954	1/1	0.98	0.16	13,13,13,13	0
56	MG	1A	8022	1/1	0.98	0.22	12,12,12,12	0
56	MG	1A	8956	1/1	0.98	0.12	11,11,11,11	0
56	MG	1A	8049	1/1	0.98	0.21	12,12,12,12	0
56	MG	2A	3634	1/1	0.98	0.03	43,43,43,43	0
56	MG	1F	309	1/1	0.98	0.12	14,14,14,14	0
56	MG	1A	8101	1/1	0.98	0.28	11,11,11,11	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	2A	3301	1/1	0.98	0.13	52,52,52,52	0
56	MG	1A	8887	1/1	0.98	0.33	24,24,24,24	0
56	MG	2D	305	1/1	0.98	0.11	33,33,33,33	0
56	MG	1A	8411	1/1	0.98	0.11	12,12,12,12	0
56	MG	1A	8165	1/1	0.98	0.12	10,10,10,10	0
56	MG	2A	3641	1/1	0.98	0.27	35,35,35,35	0
56	MG	2A	3642	1/1	0.98	0.12	37,37,37,37	0
56	MG	2D	310	1/1	0.98	0.15	37,37,37,37	0
56	MG	1A	8180	1/1	0.98	0.13	17,17,17,17	0
56	MG	1A	8619	1/1	0.98	0.32	20,20,20,20	0
56	MG	2a	1808	1/1	0.98	0.12	53,53,53,53	0
56	MG	1N	202	1/1	0.98	0.10	28,28,28,28	0
56	MG	1A	8501	1/1	0.98	0.12	29,29,29,29	0
56	MG	2A	3647	1/1	0.98	0.10	28,28,28,28	0
56	MG	1A	8071	1/1	0.98	0.14	10,10,10,10	0
56	MG	2A	3019	1/1	0.98	0.28	33,33,33,33	0
56	MG	2A	3110	1/1	0.98	0.26	35,35,35,35	0
56	MG	1A	8832	1/1	0.98	0.23	12,12,12,12	0
56	MG	1P	202	1/1	0.98	0.12	39,39,39,39	0
56	MG	2A	3901	1/1	0.98	0.08	29,29,29,29	0
56	MG	1a	1715	1/1	0.98	0.07	32,32,32,32	0
56	MG	2A	3533	1/1	0.98	0.08	50,50,50,50	0
56	MG	2A	3534	1/1	0.98	0.10	35,35,35,35	0
56	MG	1A	8580	1/1	0.98	0.06	27,27,27,27	0
56	MG	2A	3116	1/1	0.98	0.23	36,36,36,36	0
56	MG	2d	502	1/1	0.98	0.08	53,53,53,53	0
56	MG	1a	1717	1/1	0.98	0.11	32,32,32,32	0
56	MG	1A	8581	1/1	0.98	0.15	15,15,15,15	0
56	MG	2A	3026	1/1	0.98	0.33	28,28,28,28	0
56	MG	1A	8503	1/1	0.98	0.04	23,23,23,23	0
56	MG	2a	1688	1/1	0.98	0.24	53,53,53,53	0
56	MG	2F	308	1/1	0.98	0.38	46,46,46,46	0
56	MG	1a	1633	1/1	0.98	0.10	27,27,27,27	0
56	MG	1A	8778	1/1	0.98	0.06	21,21,21,21	0
56	MG	1A	8720	1/1	0.98	0.14	27,27,27,27	0
56	MG	1A	8838	1/1	0.98	0.13	7,7,7,7	0
56	MG	1A	8078	1/1	0.98	0.17	9,9,9,9	0
56	MG	1a	1725	1/1	0.98	0.10	35,35,35,35	0
56	MG	1A	8584	1/1	0.98	0.20	35,35,35,35	0
56	MG	2A	3128	1/1	0.98	0.09	48,48,48,48	0
56	MG	2A	3919	1/1	0.98	0.14	32,32,32,32	0
56	MG	1A	8330	1/1	0.98	0.08	13,13,13,13	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	1A	8673	1/1	0.98	0.22	32,32,32,32	0
56	MG	1R	203	1/1	0.98	0.26	16,16,16,16	0
56	MG	1A	8506	1/1	0.98	0.14	30,30,30,30	0
56	MG	2Q	202	1/1	0.98	0.16	23,23,23,23	0
56	MG	1A	8293	1/1	0.98	0.15	12,12,12,12	0
56	MG	2A	3134	1/1	0.98	0.15	24,24,24,24	0
56	MG	1a	1732	1/1	0.98	0.07	38,38,38,38	0
56	MG	1A	8728	1/1	0.98	0.11	24,24,24,24	0
56	MG	2A	3443	1/1	0.98	0.15	31,31,31,31	0
56	MG	2a	1709	1/1	0.98	0.07	33,33,33,33	0
56	MG	1A	8910	1/1	0.98	0.08	19,19,19,19	0
56	MG	2x	112	1/1	0.98	0.16	39,39,39,39	0
57	ZN	1Y	501	1/1	0.98	0.07	47,47,47,47	0
56	MG	1A	8588	1/1	0.98	0.13	11,11,11,11	0
56	MG	2A	3681	1/1	0.98	0.19	57,57,57,57	0
56	MG	2A	3340	1/1	0.98	0.10	32,32,32,32	0
56	MG	1A	8229	1/1	0.98	0.13	21,21,21,21	0
57	ZN	25	102	1/1	0.98	0.05	53,53,53,53	0
57	ZN	26	101	1/1	0.98	0.06	42,42,42,42	0
56	MG	1A	8678	1/1	0.98	0.13	21,21,21,21	0
56	MG	2A	3449	1/1	0.98	0.21	25,25,25,25	0
56	MG	2A	3240	1/1	0.98	0.08	57,57,57,57	0
56	MG	2A	3451	1/1	0.98	0.15	46,46,46,46	0
56	MG	1A	8086	1/1	0.98	0.16	18,18,18,18	0
56	MG	1x	3008	1/1	0.99	0.17	36,36,36,36	0
56	MG	2A	3137	1/1	0.99	0.11	26,26,26,26	0
56	MG	2A	3387	1/1	0.99	0.15	47,47,47,47	0
56	MG	1A	8938	1/1	0.99	0.14	12,12,12,12	0
56	MG	1a	1688	1/1	0.99	0.12	43,43,43,43	0
56	MG	1A	8375	1/1	0.99	0.13	11,11,11,11	0
56	MG	1A	8112	1/1	0.99	0.17	13,13,13,13	0
56	MG	1A	8535	1/1	0.99	0.07	31,31,31,31	0
56	MG	2A	3113	1/1	0.99	0.25	29,29,29,29	0
56	MG	1D	302	1/1	0.99	0.17	11,11,11,11	0
56	MG	1A	8755	1/1	0.99	0.27	16,16,16,16	0
56	MG	2A	3396	1/1	0.99	0.08	25,25,25,25	0
56	MG	2A	3771	1/1	0.99	0.21	41,41,41,41	0
56	MG	1A	8334	1/1	0.99	0.12	13,13,13,13	0
56	MG	1A	8489	1/1	0.99	0.20	9,9,9,9	0
56	MG	1A	8758	1/1	0.99	0.10	11,11,11,11	0
56	MG	1A	8441	1/1	0.99	0.05	16,16,16,16	0
56	MG	1A	8889	1/1	0.99	0.16	17,17,17,17	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	1A	8184	1/1	0.99	0.24	17,17,17,17	0
56	MG	1A	8072	1/1	0.99	0.19	11,11,11,11	0
56	MG	1A	8529	1/1	0.99	0.12	21,21,21,21	0
56	MG	2A	3307	1/1	0.99	0.16	43,43,43,43	0
56	MG	1a	1802	1/1	0.99	0.14	30,30,30,30	0
56	MG	2A	3215	1/1	0.99	0.12	26,26,26,26	0
56	MG	13	101	1/1	0.99	0.12	17,17,17,17	0
57	ZN	15	102	1/1	0.99	0.08	31,31,31,31	0
57	ZN	16	101	1/1	0.99	0.09	24,24,24,24	0
57	ZN	19	102	1/1	0.99	0.12	27,27,27,27	0
56	MG	1A	8893	1/1	0.99	0.11	21,21,21,21	0
56	MG	1G	3003	1/1	0.99	0.10	31,31,31,31	0
56	MG	1A	8095	1/1	0.99	0.21	6,6,6,6	0
56	MG	1t	3001	1/1	0.99	0.22	37,37,37,37	0
56	MG	1A	8842	1/1	0.99	0.05	11,11,11,11	0
57	ZN	29	501	1/1	0.99	0.07	52,52,52,52	0
56	MG	1A	8723	1/1	0.99	0.15	20,20,20,20	0
56	MG	1A	8811	1/1	0.99	0.16	35,35,35,35	0
56	MG	1a	1709	1/1	0.99	0.09	30,30,30,30	0
56	MG	1A	8531	1/1	0.99	0.11	26,26,26,26	0
56	MG	1A	8166	1/1	0.99	0.11	14,14,14,14	0
56	MG	1A	8761	1/1	1.00	0.13	7,7,7,7	0

6.5 Other polymers (i)

There are no such residues in this entry.