



wwPDB X-ray Structure Validation Summary Report ⓘ

Sep 18, 2017 – 03:20 AM EDT

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

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

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

A user guide is available at

<http://wwpdb.org/validation/2016/XrayValidationReportHelp>

with specific help available everywhere you see the ⓘ symbol.

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

MolProbity : 4.02b-467
Mogul : 1.7.2 (RC1), CSD as538be (2017)
Xtriage (Phenix) : 1.9-1692
EDS : rb-20029824
Percentile statistics : 20161228.v01 (using entries in the PDB archive December 28th 2016)
Refmac : 5.8.0135
CCP4 : 6.5.0
Ideal geometry (proteins) : Engh & Huber (2001)
Ideal geometry (DNA, RNA) : Parkinson et al. (1996)
Validation Pipeline (wwPDB-VP) : rb-20029824

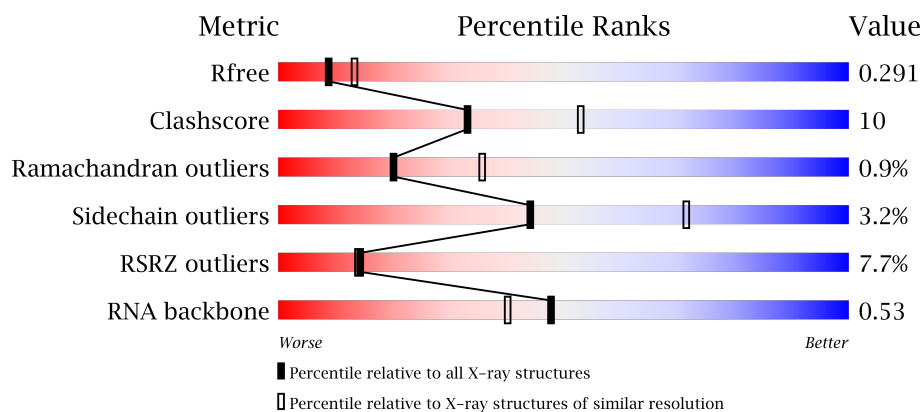
1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

X-RAY DIFFRACTION

The reported resolution of this entry is 2.50 Å.

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







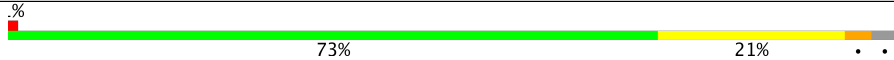
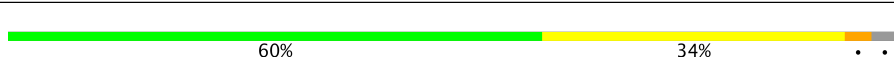
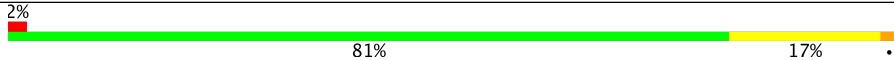
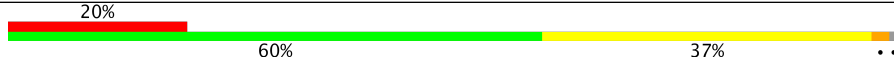
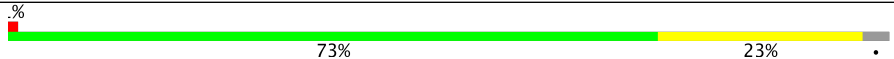
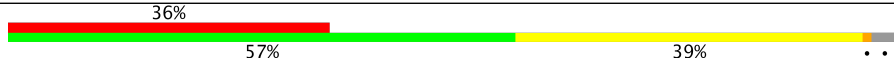
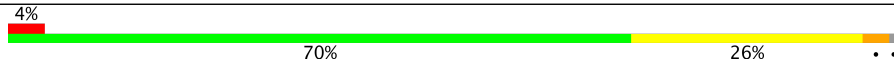
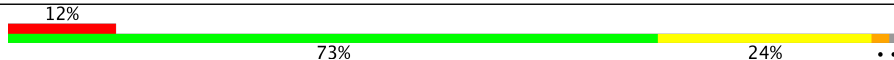


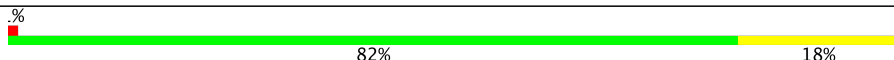
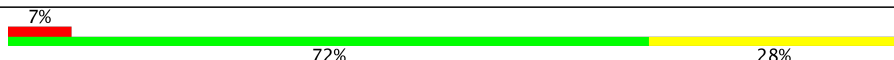
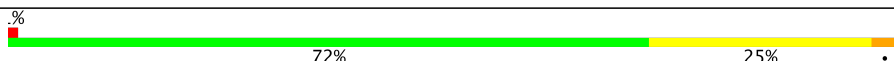
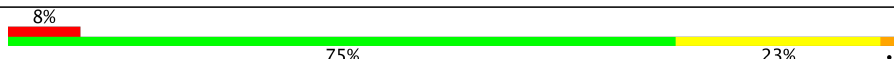
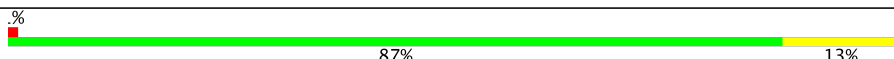

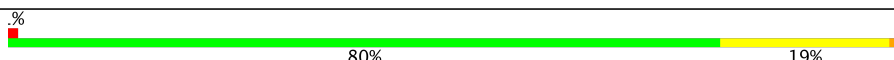
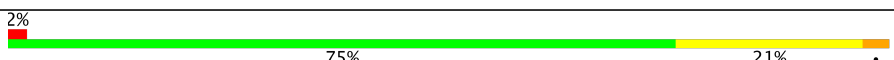
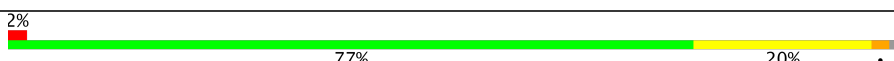
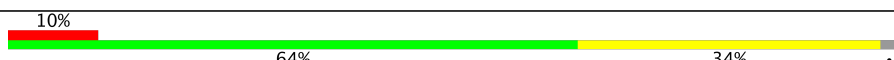
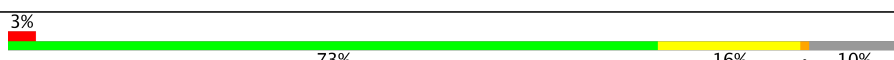
Metric	Whole archive (#Entries)	Similar resolution (#Entries, resolution range(Å))
R_{free}	100719	3846 (2.50-2.50)
Clashscore	112137	4554 (2.50-2.50)
Ramachandran outliers	110173	4463 (2.50-2.50)
Sidechain outliers	110143	4465 (2.50-2.50)
RSRZ outliers	101464	3876 (2.50-2.50)
RNA backbone	2435	1019 (2.90-2.10)

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

Mol	Chain	Length	Quality of chain
1	1A	2915	<div> <div>3%</div> <div> <div></div> <div>63%</div> <div>28%</div> <div>7%</div> <div>..</div> </div> </div>
1	2A	2915	<div> <div>3%</div> <div> <div></div> <div>52%</div> <div>34%</div> <div>9%</div> <div>..</div> </div> </div>
2	1B	121	<div> <div></div> <div> <div></div> <div>72%</div> <div>23%</div> <div>..</div> </div> </div>
2	2B	121	<div> <div>2%</div> <div> <div></div> <div>36%</div> <div>45%</div> <div>18%</div> <div>..</div> </div> </div>

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




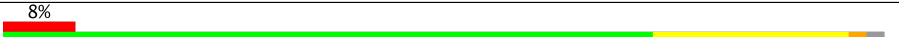
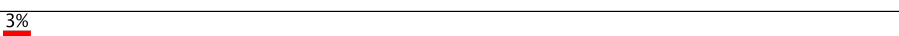
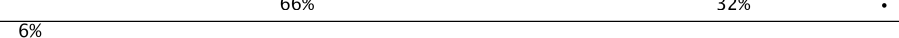
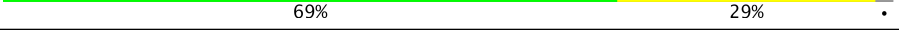




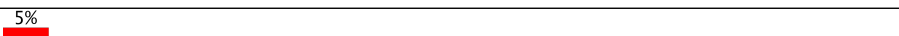

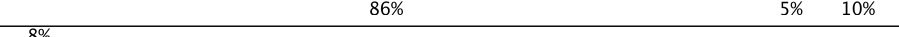


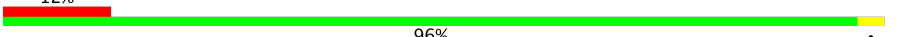


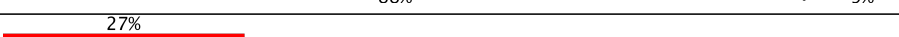

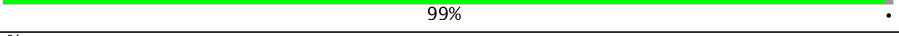
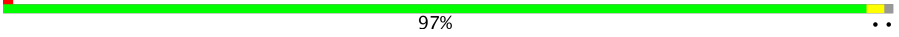
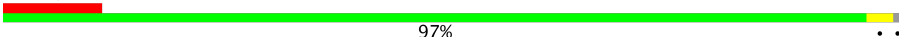
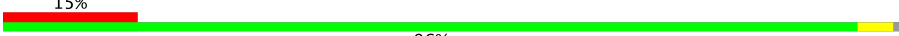
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Mol	Chain	Length	Quality of chain
15	2T	146	
16	1U	118	
16	2U	118	
17	1V	101	
17	2V	101	
18	1W	113	
18	2W	113	
19	1X	96	
19	2X	96	
20	1Y	110	
20	2Y	110	
21	1Z	206	
21	2Z	206	
22	10	85	
22	20	85	
23	11	98	
23	21	98	
24	12	72	
24	22	72	
25	13	60	
25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

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

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

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

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

Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
56	MG	16	101	-	-	-	X
56	MG	1A	3013	-	-	-	X
56	MG	1A	3016	-	-	-	X
56	MG	1A	3055	-	-	-	X
56	MG	1A	3056	-	-	-	X
56	MG	1A	3063	-	-	-	X
56	MG	1A	3068	-	-	-	X
56	MG	1A	3095	-	-	-	X
56	MG	1A	3104	-	-	-	X
56	MG	1A	3125	-	-	-	X
56	MG	1A	3151	-	-	-	X
56	MG	1A	3162	-	-	-	X
56	MG	1A	3165	-	-	-	X
56	MG	1A	3171	-	-	-	X
56	MG	1A	3177	-	-	-	X
56	MG	1A	3185	-	-	-	X
56	MG	1A	3189	-	-	-	X
56	MG	1A	3194	-	-	-	X
56	MG	1A	3200	-	-	-	X
56	MG	1A	3248	-	-	-	X
56	MG	1A	3252	-	-	-	X
56	MG	1A	3280	-	-	-	X
56	MG	1A	3306	-	-	-	X

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
56	MG	1A	3307	-	-	-	X
56	MG	1A	3309	-	-	-	X
56	MG	1A	3311	-	-	-	X
56	MG	1A	3313	-	-	-	X
56	MG	1A	3338	-	-	-	X
56	MG	1A	3347	-	-	-	X
56	MG	1A	3351	-	-	-	X
56	MG	1A	3354	-	-	-	X
56	MG	1A	3458	-	-	-	X
56	MG	1A	3509	-	-	-	X
56	MG	1A	3552	-	-	-	X
56	MG	1A	3559	-	-	-	X
56	MG	1A	3576	-	-	-	X
56	MG	1A	3578	-	-	-	X
56	MG	1A	3603	-	-	-	X
56	MG	1A	3628	-	-	-	X
56	MG	1A	3658	-	-	-	X
56	MG	1A	3704	-	-	-	X
56	MG	1A	3744	-	-	-	X
56	MG	1A	3753	-	-	-	X
56	MG	1A	3803	-	-	-	X
56	MG	1A	3809	-	-	-	X
56	MG	1A	3842	-	-	-	X
56	MG	1A	3857	-	-	-	X
56	MG	1A	3865	-	-	-	X
56	MG	1A	3871	-	-	-	X
56	MG	1A	3971	-	-	-	X
56	MG	1A	4047	-	-	-	X
56	MG	1A	4072	-	-	-	X
56	MG	1A	4076	-	-	-	X
56	MG	1A	4078	-	-	-	X
56	MG	1A	4086	-	-	-	X
56	MG	1A	4090	-	-	-	X
56	MG	1A	4093	-	-	-	X
56	MG	1A	4115	-	-	-	X
56	MG	1A	4124	-	-	-	X
56	MG	1A	4141	-	-	-	X
56	MG	1B	3010	-	-	-	X
56	MG	1B	3019	-	-	-	X
56	MG	1D	301	-	-	-	X
56	MG	1D	302	-	-	-	X
56	MG	1D	310	-	-	-	X

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
56	MG	1D	312	-	-	-	X
56	MG	1E	304	-	-	-	X
56	MG	1N	201	-	-	-	X
56	MG	1N	204	-	-	-	X
56	MG	1O	202	-	-	-	X
56	MG	1O	203	-	-	-	X
56	MG	1S	3001	-	-	-	X
56	MG	1U	202	-	-	-	X
56	MG	1Y	504	-	-	-	X
56	MG	1a	1657	-	-	-	X
56	MG	1a	1659	-	-	-	X
56	MG	1a	1699	-	-	-	X
56	MG	2A	3003	-	-	-	X
56	MG	2A	3014	-	-	-	X
56	MG	2A	3025	-	-	-	X
56	MG	2A	3070	-	-	-	X
56	MG	2A	3083	-	-	-	X
56	MG	2A	3092	-	-	-	X
56	MG	2A	3093	-	-	-	X
56	MG	2A	3096	-	-	-	X
56	MG	2A	3108	-	-	-	X
56	MG	2A	3160	-	-	-	X
56	MG	2A	3165	-	-	-	X
56	MG	2A	3167	-	-	-	X
56	MG	2A	3181	-	-	-	X
56	MG	2A	3191	-	-	-	X
56	MG	2A	3347	-	-	-	X
56	MG	2A	3364	-	-	-	X
56	MG	2A	3409	-	-	-	X
56	MG	2A	3444	-	-	-	X
56	MG	2A	3445	-	-	-	X
56	MG	2A	3448	-	-	-	X
56	MG	2A	3449	-	-	-	X
56	MG	2A	3455	-	-	-	X
56	MG	2A	3461	-	-	-	X
56	MG	2A	3468	-	-	-	X
56	MG	2A	3472	-	-	-	X
56	MG	2A	3486	-	-	-	X
56	MG	2A	3493	-	-	-	X
56	MG	2A	3579	-	-	-	X
56	MG	2A	3633	-	-	-	X
56	MG	2A	3673	-	-	-	X

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
56	MG	2A	3677	-	-	-	X
56	MG	2A	3687	-	-	-	X
56	MG	2A	3745	-	-	-	X
56	MG	2A	3814	-	-	-	X
56	MG	2A	3856	-	-	-	X
56	MG	2A	3876	-	-	-	X
56	MG	2A	3883	-	-	-	X
56	MG	2A	3886	-	-	-	X
56	MG	2A	3897	-	-	-	X
56	MG	2A	3900	-	-	-	X
56	MG	2A	3906	-	-	-	X
56	MG	2B	3008	-	-	-	X
56	MG	2D	304	-	-	-	X
56	MG	2F	304	-	-	-	X
56	MG	2U	201	-	-	-	X
56	MG	2a	3010	-	-	-	X
56	MG	2a	3041	-	-	-	X
56	MG	2a	3091	-	-	-	X
56	MG	2a	3165	-	-	-	X
56	MG	2a	3208	-	-	-	X
58	ZN	15	101	-	-	-	X
58	ZN	25	102	-	-	-	X

2 Entry composition [i](#)

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

- Molecule 53 is a RNA chain called mRNA.

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

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

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

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

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

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

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
56	2E	9	Total	Mg	0	0
			9	9		
56	17	1	Total	Mg	0	0
			1	1		
56	2d	1	Total	Mg	0	0
			1	1		
56	1T	2	Total	Mg	0	0
			2	2		
56	1N	6	Total	Mg	0	0
			6	6		
56	20	3	Total	Mg	0	0
			3	3		
56	18	3	Total	Mg	0	0
			3	3		
56	2W	3	Total	Mg	0	0
			3	3		

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
56	1Y	3	Total 3	Mg 3	0	0
56	13	3	Total 3	Mg 3	0	0
56	1f	2	Total 2	Mg 2	0	0
56	1P	4	Total 4	Mg 4	0	0
56	2B	21	Total 21	Mg 21	0	0
56	2a	244	Total 244	Mg 244	0	0
56	1E	11	Total 11	Mg 11	0	0
56	1b	2	Total 2	Mg 2	0	0
56	2l	2	Total 2	Mg 2	0	0
56	2F	4	Total 4	Mg 4	0	0
56	16	3	Total 3	Mg 3	0	0
56	28	2	Total 2	Mg 2	0	0
56	2e	1	Total 1	Mg 1	0	0
56	1W	5	Total 5	Mg 5	0	0
56	1A	1141	Total 1141	Mg 1141	0	0
56	1t	1	Total 1	Mg 1	0	0
56	1n	2	Total 2	Mg 2	0	0
56	2P	1	Total 1	Mg 1	0	0
56	1X	6	Total 6	Mg 6	0	0
56	12	1	Total 1	Mg 1	0	0
56	1y	4	Total 4	Mg 4	0	0

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
56	2i	1	Total 1	Mg 1	0	0
56	1S	3	Total 3	Mg 3	0	0
56	25	4	Total 4	Mg 4	0	0
56	2T	3	Total 3	Mg 3	0	0
56	1D	12	Total 12	Mg 12	0	0
56	2N	1	Total 1	Mg 1	0	0
56	1e	1	Total 1	Mg 1	0	0
56	2G	1	Total 1	Mg 1	0	0
56	1I	1	Total 1	Mg 1	0	0
56	2f	1	Total 1	Mg 1	0	0
56	1V	3	Total 3	Mg 3	0	0
56	2X	3	Total 3	Mg 3	0	0
56	1w	11	Total 11	Mg 11	0	0
56	1a	229	Total 229	Mg 229	0	0
56	2Q	3	Total 3	Mg 3	0	0
56	15	2	Total 2	Mg 2	0	0
56	1x	16	Total 16	Mg 16	0	0
56	2j	2	Total 2	Mg 2	0	0
56	1R	3	Total 3	Mg 3	0	0
56	1s	1	Total 1	Mg 1	0	0
56	2v	2	Total 2	Mg 2	0	0

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
56	2U	4	Total 4	Mg 4	0	0
56	1G	5	Total 5	Mg 5	0	0
56	2O	1	Total 1	Mg 1	0	0
56	11	3	Total 3	Mg 3	0	0
56	1d	1	Total 1	Mg 1	0	0
56	2n	1	Total 1	Mg 1	0	0
56	2g	1	Total 1	Mg 1	0	0
56	2Y	1	Total 1	Mg 1	0	0
56	1v	1	Total 1	Mg 1	0	0
56	2x	5	Total 5	Mg 5	0	0
56	2R	1	Total 1	Mg 1	0	0
56	1Z	3	Total 3	Mg 3	0	0
56	2D	5	Total 5	Mg 5	0	0
56	2q	2	Total 2	Mg 2	0	0
56	1U	8	Total 8	Mg 8	0	0
56	2r	2	Total 2	Mg 2	0	0
56	1O	7	Total 7	Mg 7	0	0
56	27	1	Total 1	Mg 1	0	0
56	19	2	Total 2	Mg 2	0	0
56	1l	3	Total 3	Mg 3	0	0
56	2V	1	Total 1	Mg 1	0	0

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Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
56	1F	8	Total Mg 8 8	0	0
56	10	6	Total Mg 6 6	0	0
56	2t	1	Total Mg 1 1	0	0
56	1Q	6	Total Mg 6 6	0	0
56	2A	909	Total Mg 909 909	0	0
56	23	2	Total Mg 2 2	0	0
56	2Z	1	Total Mg 1 1	0	0
56	1B	37	Total Mg 37 37	0	0
56	2y	7	Total Mg 7 7	0	0
56	2w	8	Total Mg 8 8	0	0

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

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

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

Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
58	1Y	1	Total Zn 1 1	0	0
58	14	1	Total Zn 1 1	0	0
58	1n	1	Total Zn 1 1	0	0
58	15	1	Total Zn 1 1	0	0
58	29	1	Total Zn 1 1	0	0

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
58	19	1	Total	Zn	0	0
			1	1		
58	26	1	Total	Zn	0	0
			1	1		
58	25	1	Total	Zn	0	0
			1	1		
58	24	1	Total	Zn	0	0
			1	1		
58	2n	1	Total	Zn	0	0
			1	1		
58	2Y	1	Total	Zn	0	0
			1	1		
58	16	1	Total	Zn	0	0
			1	1		

- Molecule 59 is IRON/SULFUR CLUSTER (three-letter code: SF4) (formula: Fe₄S₄).



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

- Molecule 60 is water.

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

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

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

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

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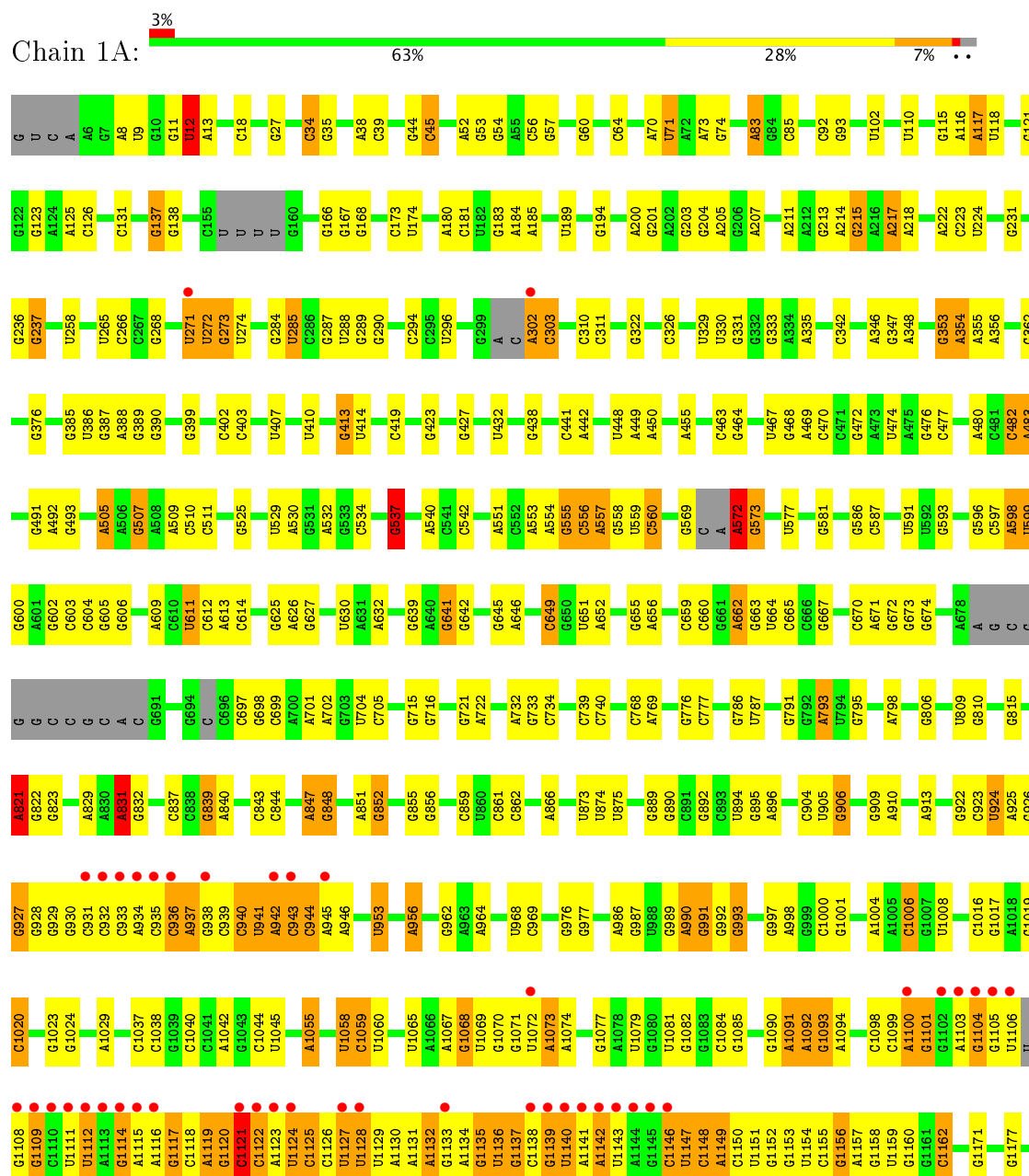
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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
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60	2u	1	Total 1	O 1	0	0
60	2v	1	Total 1	O 1	0	0
60	2w	2	Total 2	O 2	0	0
60	2x	7	Total 7	O 7	0	0
60	2y	19	Total 19	O 19	0	0

3 Residue-property plots

These plots are drawn for all protein, RNA and DNA 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.

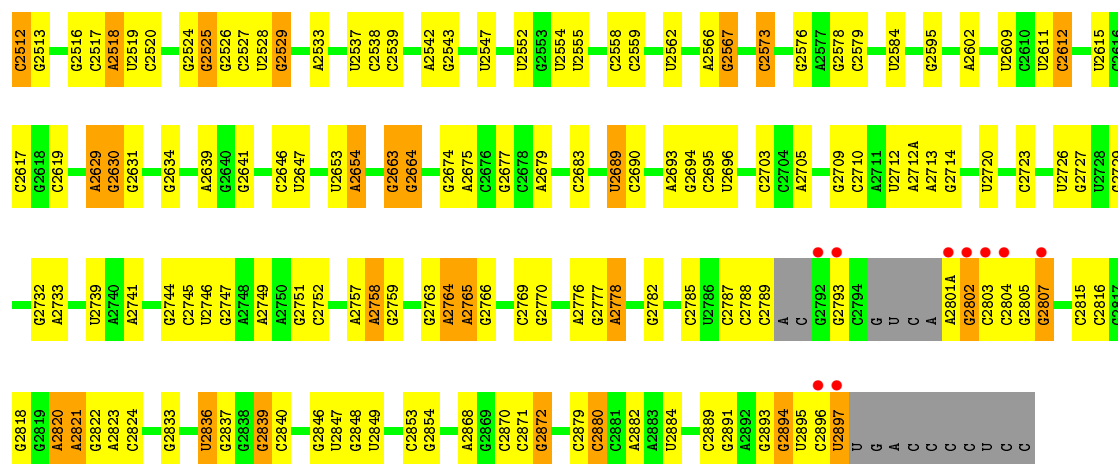
• Molecule 1: 23S Ribosomal RNA



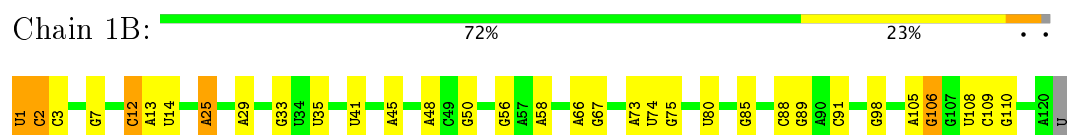
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C2801	G2680	A2577	C2436	G2320	G2211	C2149	G2051	A1922	U1809	U1686	U1562	U1436	U1313	A1188
C2802	U2694	A2578	A2437	A2321	G2213	C2150	A2052	A1923	U1810	C1687	U1566	A1441	A1314	G1195
C2804	C2693	G2579	A2438	C2324	G2214	U2152	A2053	C1924	A1811	G1688	U1567	U1442	G1317	
C2805	U2696	C2580	C2439	U2327	A2220	G2153	G2055	G1928	G1812	G1689	G1568	U1451	A1318	A1201
G2806	G2697	G2440	G2441	G2327	A2221	U2154	A2056	U2056	C1813	G1694	G1569	U1452	A1320	A1202
C2807	G2698	C2585	U2442	C2328	G2227	G2155	U2057	A1934	A1814	C1695	U1572	U1453	A1321	G1206
G	U2699	C2586	U2443	C2329	G2228	A2156	G2057	A1935	A1815	A1699	G1573	C1453	G1322	G1210
U	U2700	C2587	U2444	G2331	C2229	A2157	C2061	A1936	A1816	G1700			G1323	U1211
C	U2701	G2588	U2445	A2332	U2330	C2158			A1817	A1701	G1584	G1463	A1324	U1212
A	C2702	G2589	A2447	A2333	G2231	C2160	C2065	U1939	C1821		G1579	C1464	G1331	U1213
A2812	C2703	G2590		G2337	A2237	C2161	G2071	U1945	A1822	C1709	G	A1465		
C2813	U2714	C2598	A2451	C2338	A2237	C2162	G2072	U1946	G1823	U1710	U	U1466		
C2814	U2715	C2603	C2452	A2339	U2245	G2163	C2073	A1946	G1824	A1711	A	G1467		
A2819	U2724	G2604	C2453	A2340	U2246	C2164	A2073	G1951	U1825		C			
A2820	A2725	U2616	G2457	G2341	G2246	C2165	G2074	G1952	C1826	A1716	G1584	U1477	U1338	G1217
C2825	G2726	C2613	A2460	G2346	G2250	U2166	C2077	U1985	U1827		G1585	U1478	U1339	G1218
C2826	A2727	A2614	G2467	A2347	G2251	C2168	G2078	A1958	C1828	C1474	G1586	C1475	G1342	A1219
G2827	C2735	G2615	U2474	A2348	U2255	G2171	A2082	A1959	C1829	C1719	U1587	C1476	C1343	G1221
C2828	C2736	U2616	C2475	G2349	U2256	U2172	G2083	A1960	G1830	U1720	G1588	U1477	U1222	
G2829	U2739	G2620	U2476	C2359	U2257	G2173	A2084	U1961	G1831	G1721	A1589	U1479	C1223	
A2830	U2740	C2621	C2477	C2362	U2258	G2174			G1832			U1478	U1346	G1228
A2831	G2741	U2622	C2478	C2363	U2259	G2175	G2091	U1977	A1834	U1740		A1347	A1348	G1229
C2832	C2742	U2623	C2486	C2367	U2260	G2176	U2108	U1985	G1846	C1741	A1605	U1491	C1352	U1233
C2833	C2743	C2624	C2487	C2368	U2261	G2177	G2109	C1989	G1848		A1613	G1495	U1358	
G2834	A2746	U2627	A2488	U2369	U2262	G2178					A1616	G1496	C1361	A1239
G2843	U2747	C2628	A2500	G2370	U2264	C2179	G2115	C1990	G1857	A1747		G1497	C1366	U1243
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U2845	C2759	U2629	U2504	A2372	A2281	G2182	U2121	A1992	G1859	U1756	A1626	G1513	G1371	
C2849	G2764	C2638	C2511	C2376	G2282	G2183	G2122	A1994	A1860	C1757	A1627	C1514	G1378	A1255
C2850	G2765	C2639	G2514	G2377	G2283	C2185	G2123	C1996	C1861	G1758	G1628	C1514		U1256
G2854	U2767	C2640	G2514	G2377	U2284	C2186	U2124	G1997	C1874	C1759		G1525		
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G2856	U2769	G2642	G2517	G2384	A2286	G2188	G2126	G2007	A1878	U1765	A1632	G1529	G1391	
U2857	U2770	G2643	G2518	A2388	C2287	U2189	C2127	A2008	U1882	G1766	A1633	G1530	U1398	G1273
G2858	A2771	U2618	U2518	A2389	G2288	G2190	G2128		C1883	A1767	C1634	G1530	G1402	G1277
U2859	G2772	C2647	A2530	A2389	G2289	A2191	C2129	G2011	U1883	U1768		G1537	G1402	G1278
		G2653	G2530	G2395	A2291	A2192	C2130		G1889		G1639	G1538	A1405	
C2863	G2776	C2658	G2541	G2396	G2291	A2193	U2131	G2014	A1890	C1775	G1640	C1539	A1406	G1281
G2864	A2777	A2542	A2542	C2397	G2292	U2194	G2132	U2015	G1891	G1776		A1540		
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		U2661	A2546		C2296	C2197	A2136	C2018	C1897	C1785	G1546	G1546	G1410	
G2874	C2782	U2662	A2546	G2411	C2297	A2198	G2137	G2019	A1897	A1786	C1547	C1547	A1411	A1289
A2878	G2783				A2298	C2199	G2138	A2023	A1898	U1787	G1548	U1549	U1418	G1290
G2879	C2784	U2665	G2561	U2413	A2299	C2200	U2140	G2024	A1899	G1789	C1657	C1550	G1418	G1291
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C2881	U2791	A2666	C2563	C2419	C2304	G2204	G2142	A2035		A1793		C1552	A1424	
G2882			U2420	C2421	C2305	G2205	G2143	A2041	C1908	G1794	G1676	C1553	A1425	A1299
C2883	G2796	G2573	G2422	G2422	G2306	G2206	U2144	A2042		G1795	C1677	A1554	G1426	
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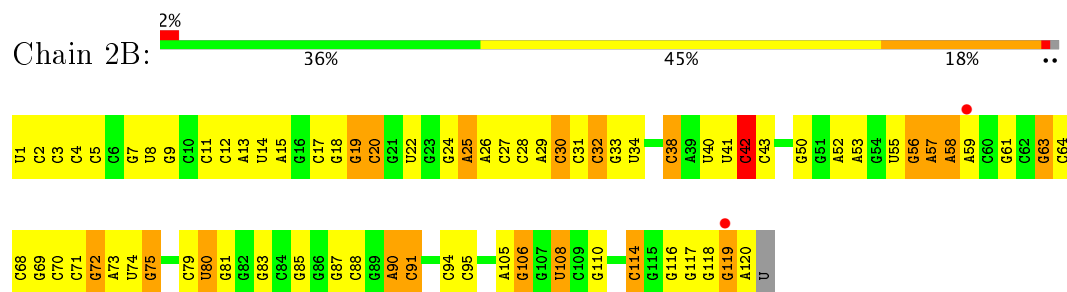
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	C2347	U2172	G2113	G1913	U1797	U1673	G1568	G1465	G1374	A1269	G	G
U2438	C2350	A2173	A2114	C1914	C1798	G1674	A1569	C1466	C1375	C1270	A	A
A2439	G2351	C2175	G2025	U1915	U1799	G1675	C1578	C1467	G1376	A1271	U1112	U1113
C2440	G2352	A2176	C2026	A1916	G1799	C1676	C1579	G1470	C1377	A1272	U1114	U1115
C2441	G2353	C2177	G2027	U1917	C1800	C1684	U1578	A1471	A1378	G1192	G1116	G1117
G2445	U2354	C2178	A2030	A1918	A1801	C1688	A1580	A1472	A1379	G1193	G1118	G1119
G2446	G2355	A2182	A2031	G1919	A1802	A1689	C1581	G1473	G1380	U1278	G1120	G1121
A2447	C2356	C2183	G2032	C1920	A1803	A1689	C1582	A1384	A1204	A1286	A1210	A1211
G2448	A2360	G2184	A2033	G1921	C1804	A1689	G1583	G1385	U1205	A1287	G1212	G1213
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A2450	G2362	G2186	C2040	U1923	G1811	G1696	A1586	A1477	U1289	C1297	G1131	G1132
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G2455	C2364	G2188	A2042	A1927	A1815	A1698	U1590	U1489	A1395	C1293	G1220	G1221
G2456	U2367	U2189	C2043	A1928	G1816	G1699	G1591	A1490	U1405	U1297	G1224	G1225
G2457	A2366	G2190	G2046	G1929	U1817	U1700	G1592	G1491	U1406	C1298	G1226	G1227
C2458	G2367	G2191	U2047	G1930	U1818	G1703	G1593	G1492	C1407	G1299	G1228	G1229
	C2368	G2192	G2048	U1931	U1819		G1594	G1493	C1408	U1300	G1230	G1231
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G2481	G2380	G2219	C2065	U1963	U1853	G1758	U1629	U1514	A1427	G1238	G1239	G1240
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U2492	G2321	G2238	U2076	A1970	A1859	G1764	G1635	U1519	G1429	G1240	G1241	G1242
	C2322	G2239	G2087	A1971	U1859	G1764	C1636	U1519	G1430	G1241	G1242	G1243
C2403	G2323	A2247	G2087	A1972	G1865	G1769	A1637	U1519	G1431	U1335	G1244	G1245
C2404	C2324	C2248	G2093	C1988	C1866	A1773	C1637	U1519	U1433	G1345	G1246	G1247
G2405	A2325	U2249	G2094	C1988	A1876	A1773	A1641	G1529	G1434	A1349	G1248	G1249
U2406	G2326	G2250	C2095	C1988	A1877	G1776	G1642	G1530	G1435	U1249	G1250	G1251
	G2327	G2251	U2096	U1991	G1878	U1777	G1647	C1531	G1436	U1352	G1252	G1253
G2502	C2328	A2252	U2099	U1991	G1882	U1778	C1648	C1532	C1437	U1353	G1254	G1255
A2503	A2329	C2261	G2100	G1992	U1884	U1779	U1647	C1533	U1441	G1255	G1256	G1257
U2504	G2330	U2262	G2101	U1993	A1885	A1780	G1653	U1533	G1442	A1254	G1257	G1258
C2498	U2331	C2263	U2102	G1997	A1885	C1781	A1654	A	A1445	U1255	G1258	G1259
C2499	G2332	G2264	U2103	G1997	A1885	C1782	C1657	C1536	A1446	U1256	G1259	G1260
	A2333	A2265	G2104	G2010	A1889	A1783	C1658	A1542	G1447	G1260	G1261	G1262
U2506	G2334	A2266	G2105	A2014	A1889	A1784	C1659	A1543	G1448	G1261	G1262	G1263
C2507	A2335	A2267	G2106	A2014	A1889	A1784	C1660	A1544	G1449	G1262	G1263	G1264
G2508	G2336	A2268	G2107	A2014	A1889	A1784	C1661	A1545	G1450	G1263	G1264	G1265
G2509	C2337	A2269	G2108	A2014	A1889	A1784	C1662	A1546	G1451	G1264	G1265	G1266
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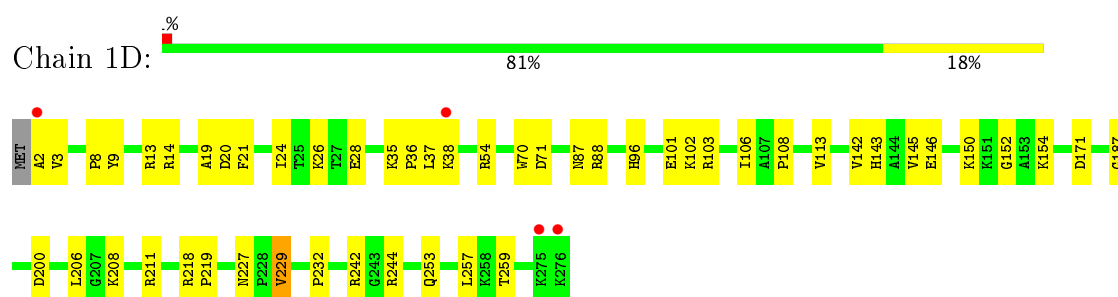
• Molecule 2: 5S Ribosomal RNA



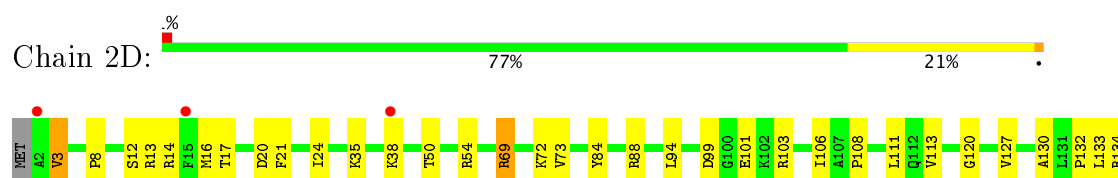
• Molecule 2: 5S Ribosomal RNA



• Molecule 3: 50S ribosomal protein L2

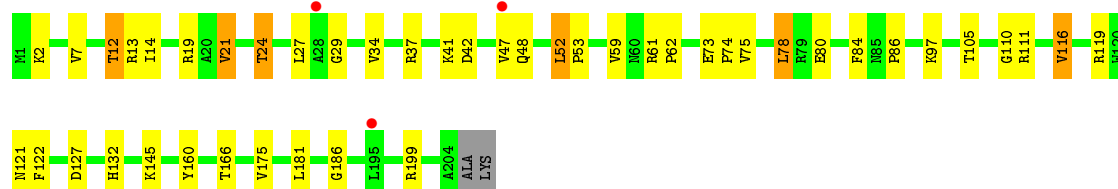
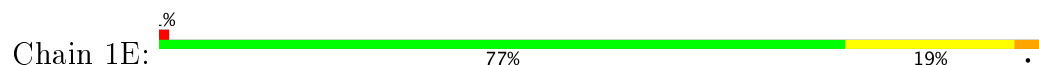


• Molecule 3: 50S ribosomal protein L2

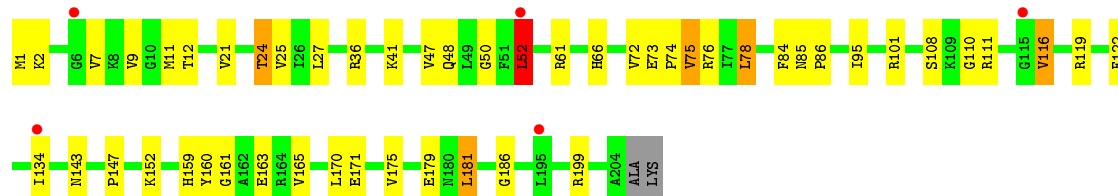
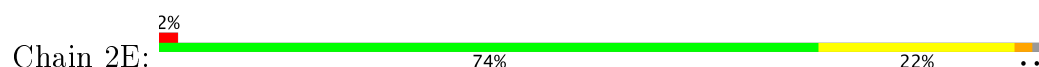




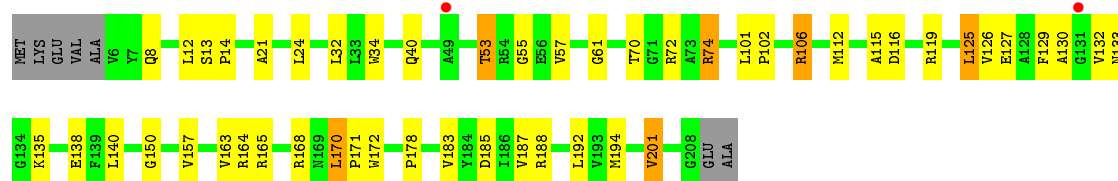
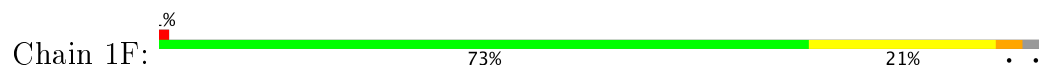
• Molecule 4: 50S ribosomal protein L3



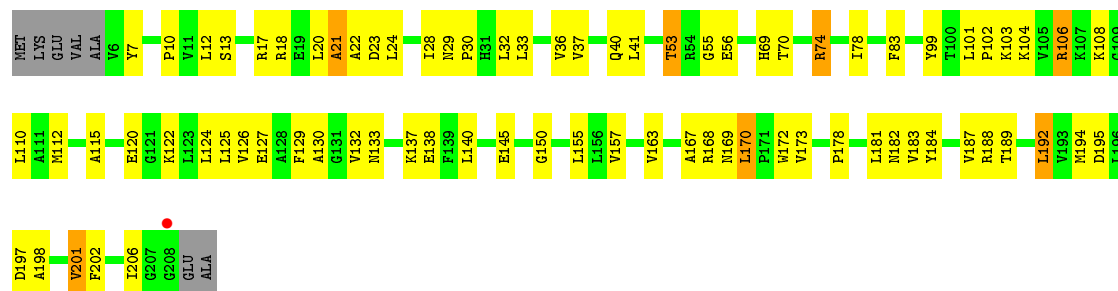
• Molecule 4: 50S ribosomal protein L3



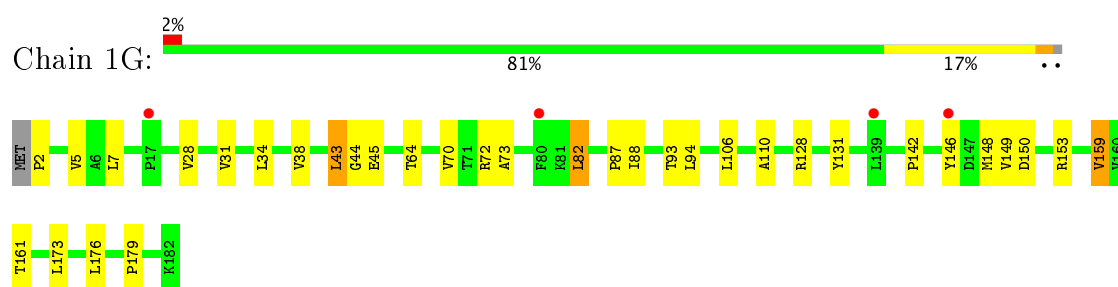
• Molecule 5: 50S ribosomal protein L4



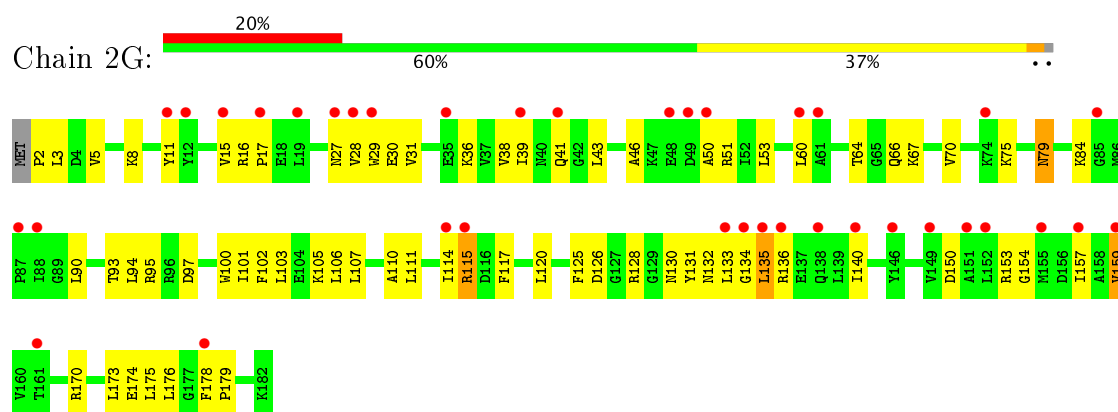
• Molecule 5: 50S ribosomal protein L4



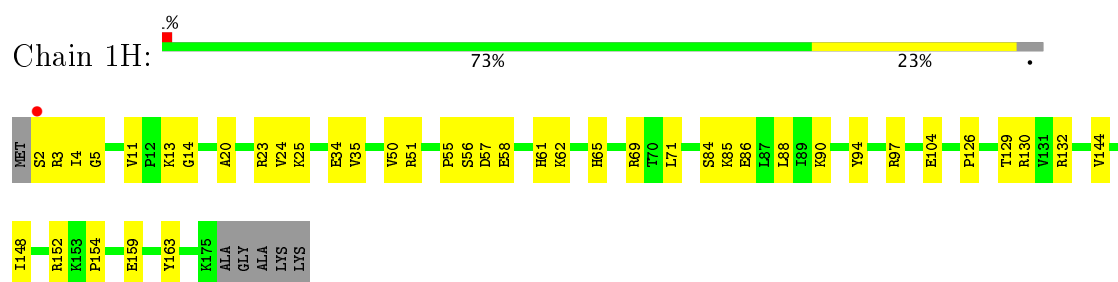
• Molecule 6: 50S ribosomal protein L5



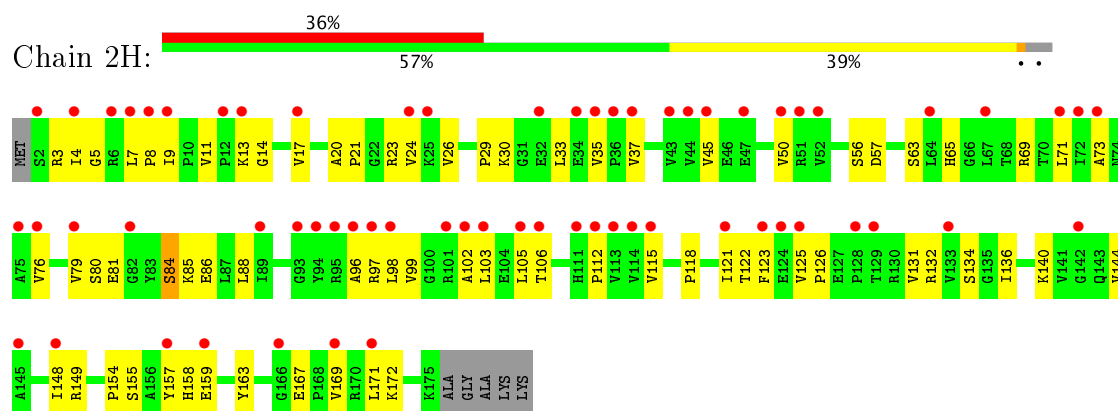
• Molecule 6: 50S ribosomal protein L5



• Molecule 7: 50S ribosomal protein L6



• Molecule 7: 50S ribosomal protein L6

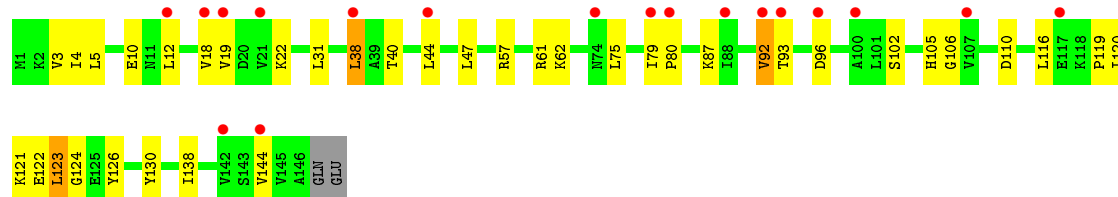
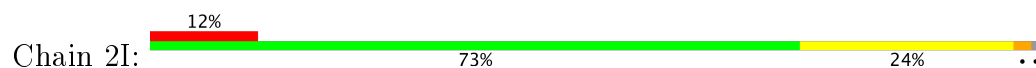


• Molecule 8: 50S ribosomal protein L9

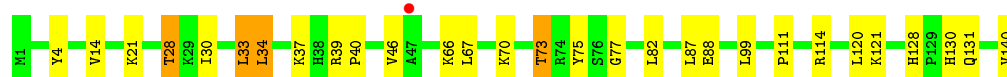
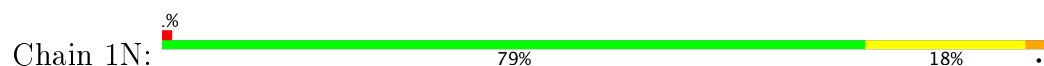




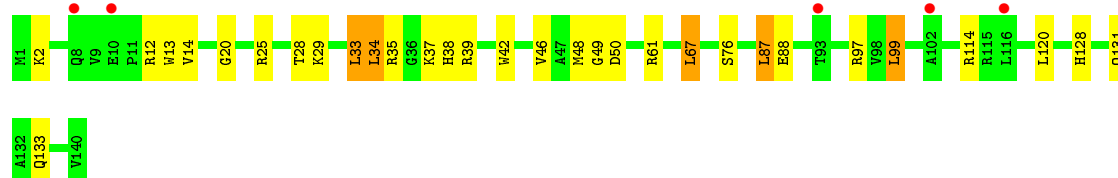
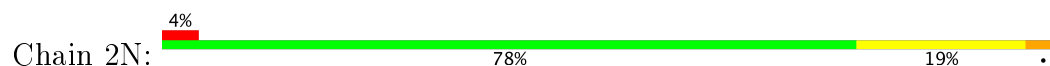
- Molecule 8: 50S ribosomal protein L9



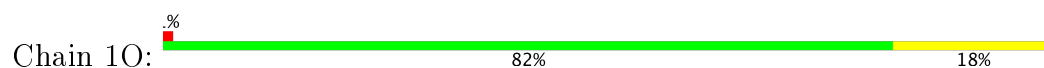
- Molecule 9: 50S ribosomal protein L13



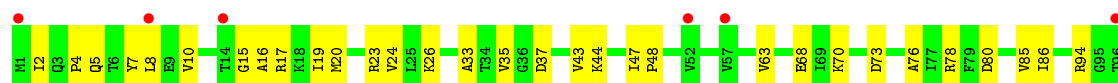
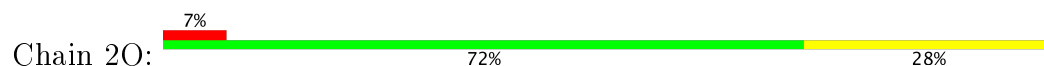
- Molecule 9: 50S ribosomal protein L13

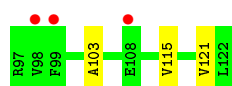


- Molecule 10: 50S ribosomal protein L14



- Molecule 10: 50S ribosomal protein L14

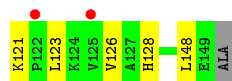
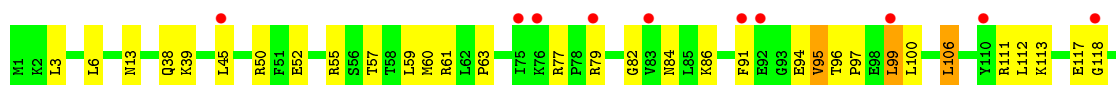
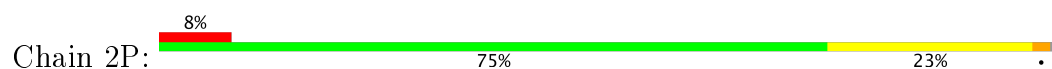




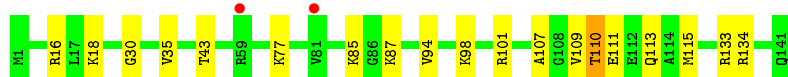
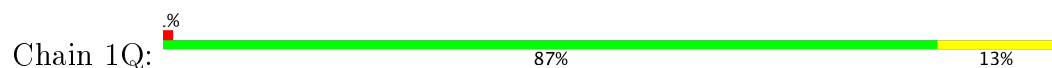
- Molecule 11: 50S ribosomal protein L15



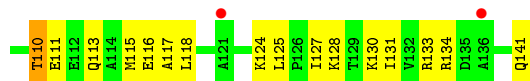
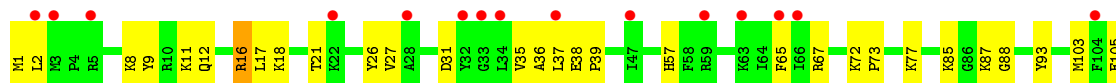
- Molecule 11: 50S ribosomal protein L15



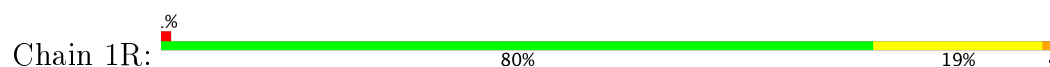
- Molecule 12: 50S ribosomal protein L16



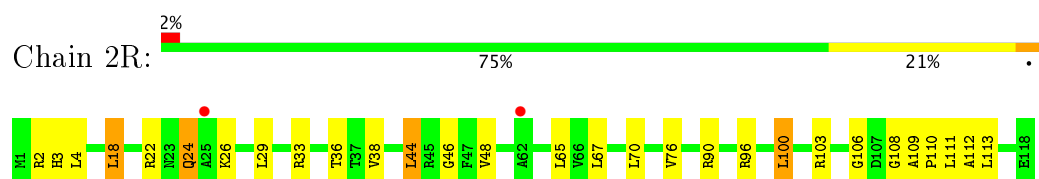
- Molecule 12: 50S ribosomal protein L16



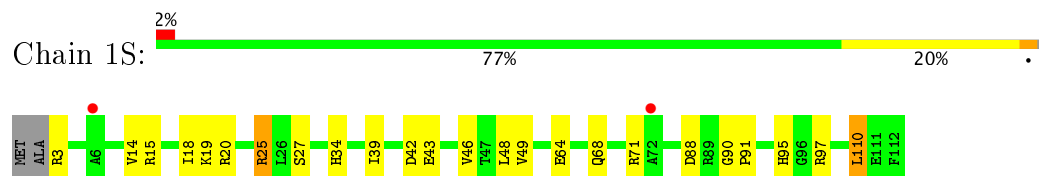
- Molecule 13: 50S ribosomal protein L17



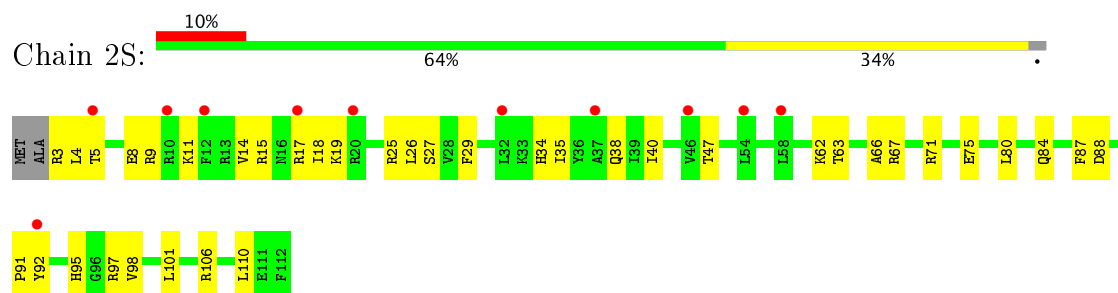
- Molecule 13: 50S ribosomal protein L17



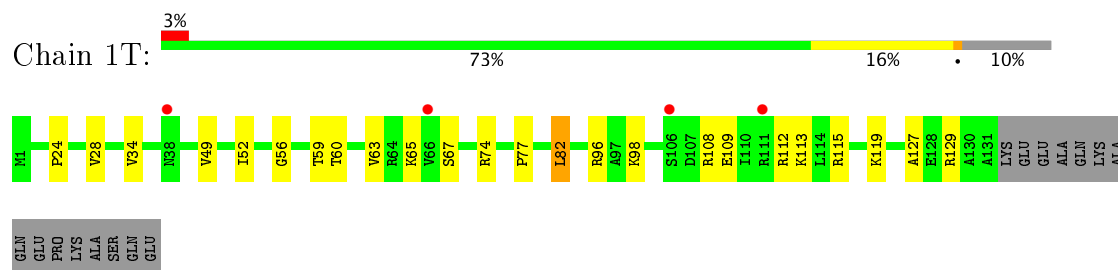
- Molecule 14: 50S ribosomal protein L18



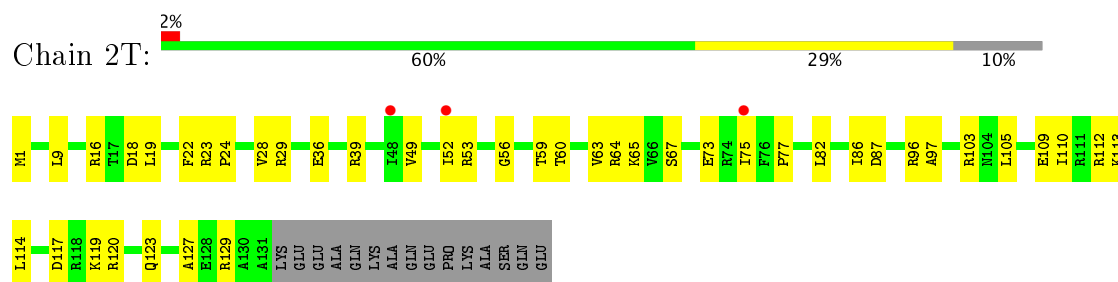
- Molecule 14: 50S ribosomal protein L18



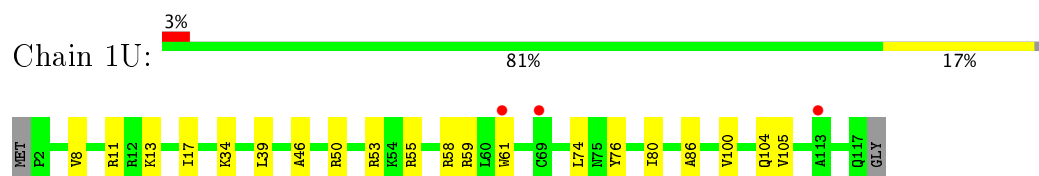
- Molecule 15: 50S ribosomal protein L19



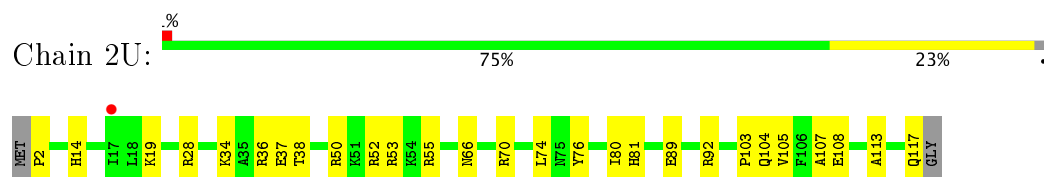
- Molecule 15: 50S ribosomal protein L19



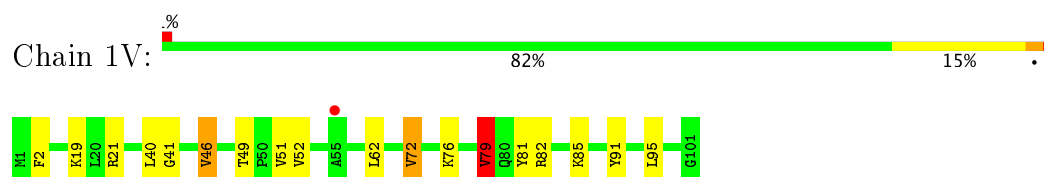
- Molecule 16: 50S ribosomal protein L20



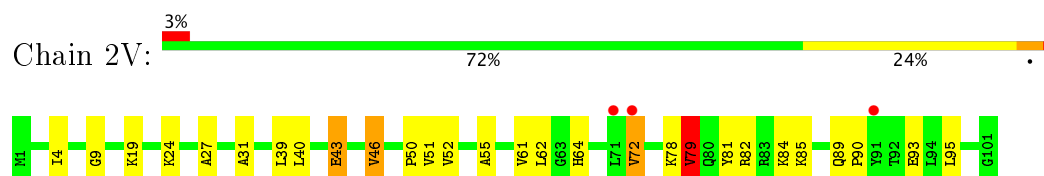
- Molecule 16: 50S ribosomal protein L20



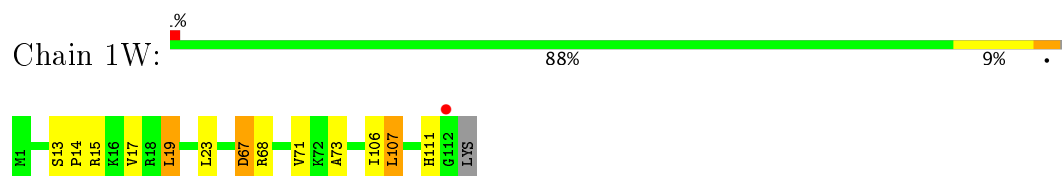
- Molecule 17: 50S ribosomal protein L21



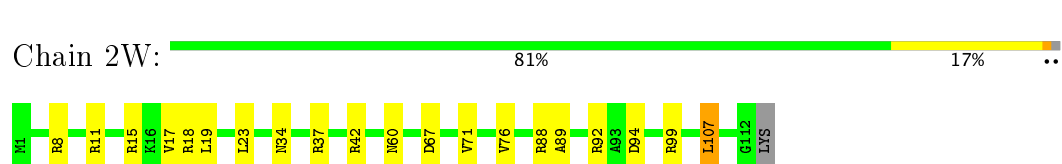
- Molecule 17: 50S ribosomal protein L21



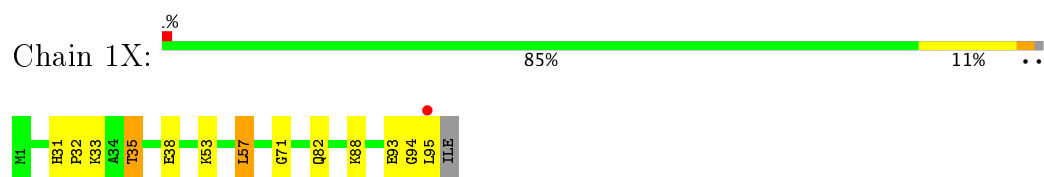
- Molecule 18: 50S ribosomal protein L22



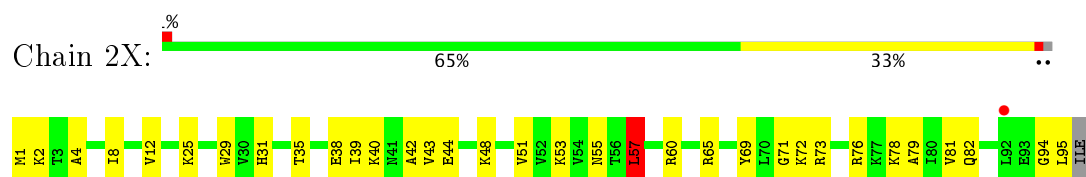
- Molecule 18: 50S ribosomal protein L22



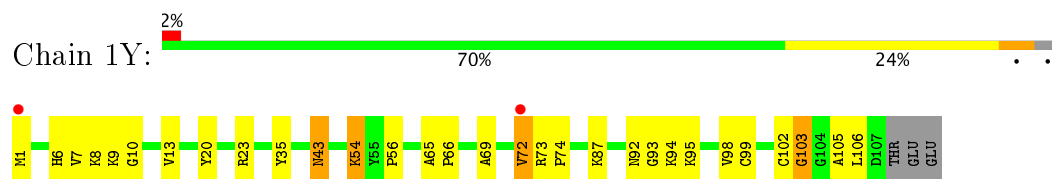
- Molecule 19: 50S ribosomal protein L23



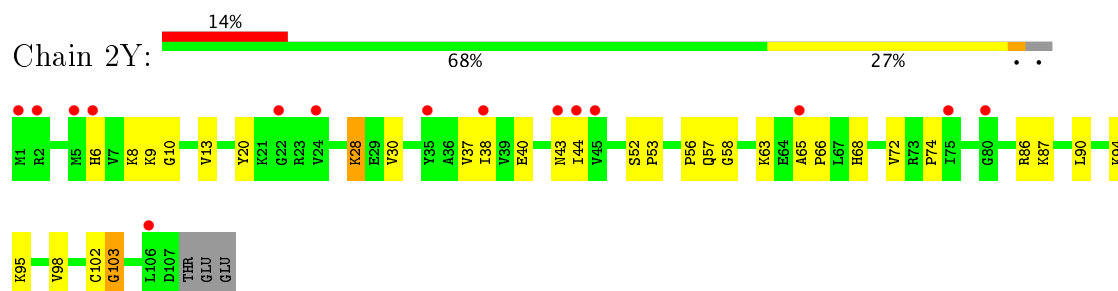
- Molecule 19: 50S ribosomal protein L23



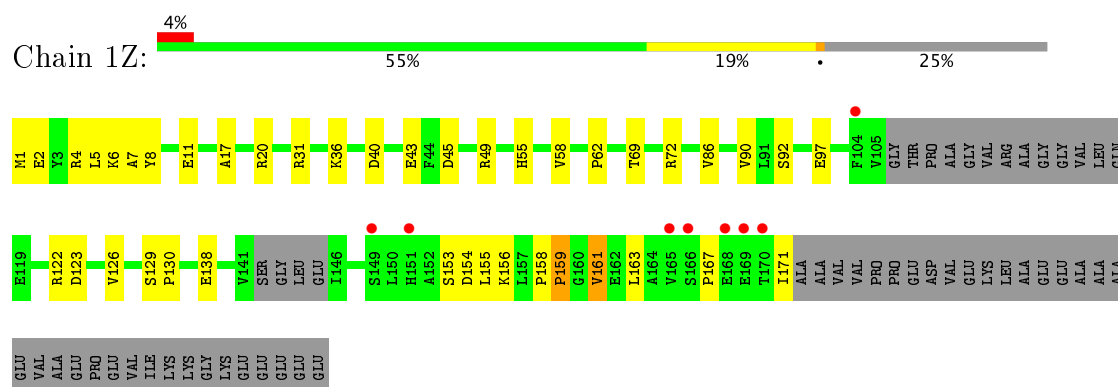
• Molecule 20: 50S ribosomal protein L24



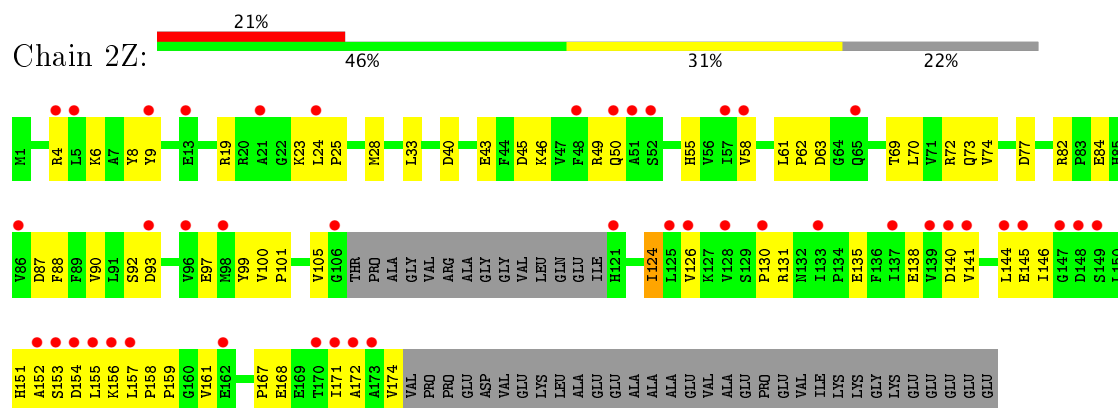
• Molecule 20: 50S ribosomal protein L24



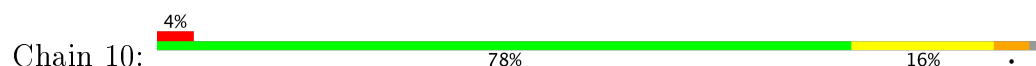
• Molecule 21: 50S ribosomal protein L25

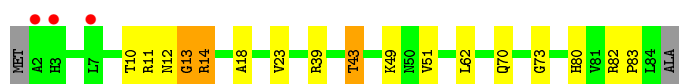


• Molecule 21: 50S ribosomal protein L25

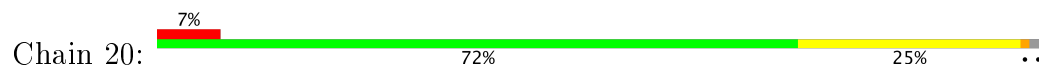


• Molecule 22: 50S ribosomal protein L27

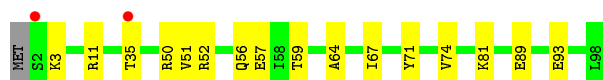
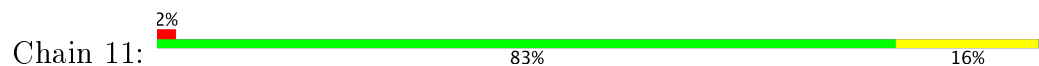




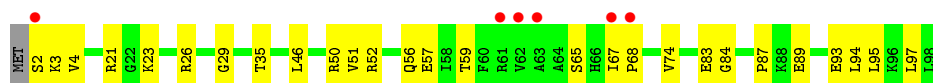
- Molecule 22: 50S ribosomal protein L27



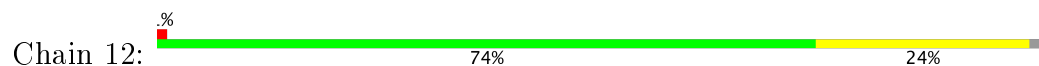
- Molecule 23: 50S ribosomal protein L28



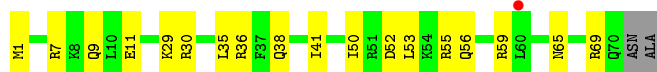
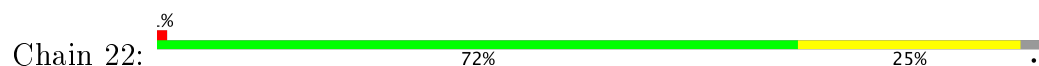
- Molecule 23: 50S ribosomal protein L28



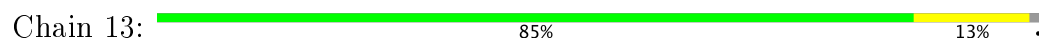
- Molecule 24: 50S ribosomal protein L29



- Molecule 24: 50S ribosomal protein L29

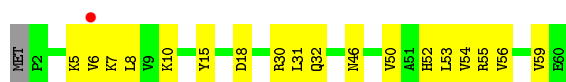


- Molecule 25: 50S ribosomal protein L30

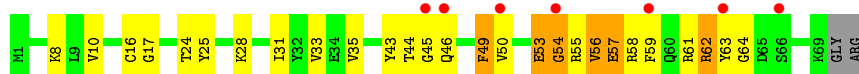


- Molecule 25: 50S ribosomal protein L30

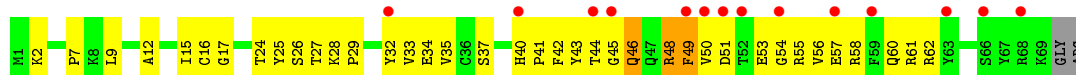
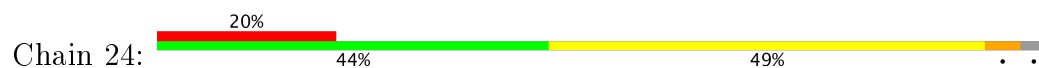




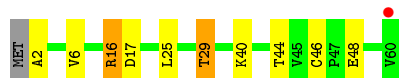
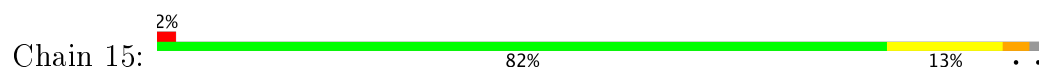
- Molecule 26: 50S ribosomal protein L31



- Molecule 26: 50S ribosomal protein L31



- Molecule 27: 50S ribosomal protein L32



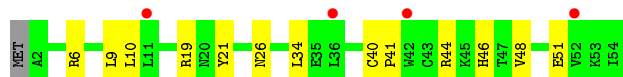
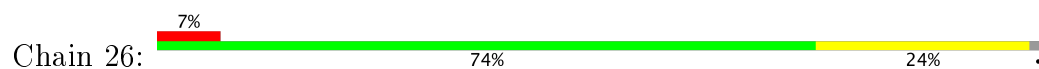
- Molecule 27: 50S ribosomal protein L32



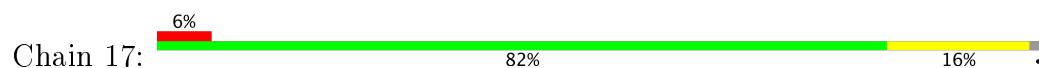
- Molecule 28: 50S ribosomal protein L33



- Molecule 28: 50S ribosomal protein L33

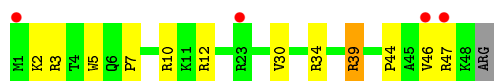
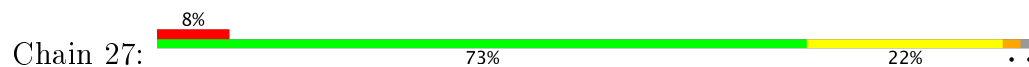


- Molecule 29: 50S ribosomal protein L34





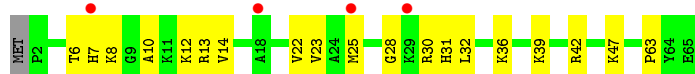
- Molecule 29: 50S ribosomal protein L34



- Molecule 30: 50S ribosomal protein L35



- Molecule 30: 50S ribosomal protein L35



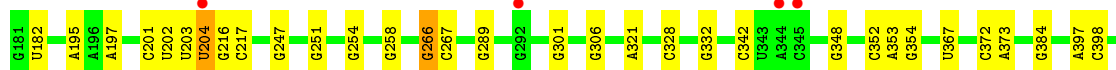
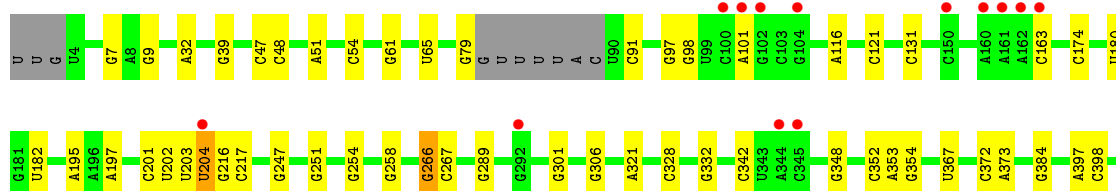
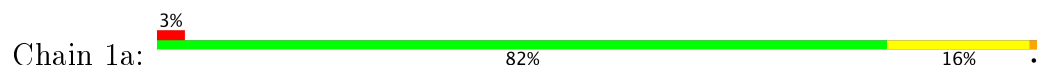
- Molecule 31: 50S ribosomal protein L36

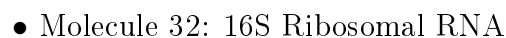


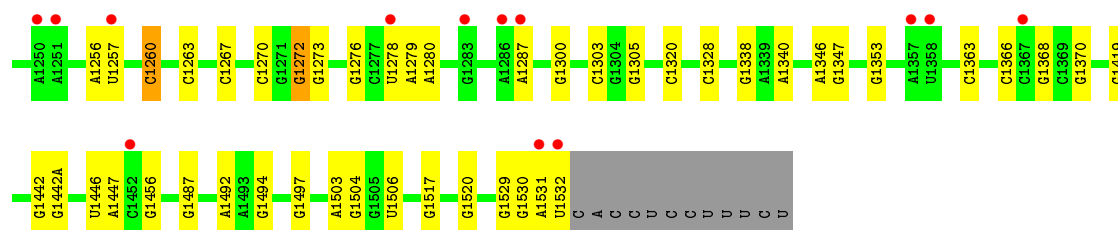
- Molecule 31: 50S ribosomal protein L36



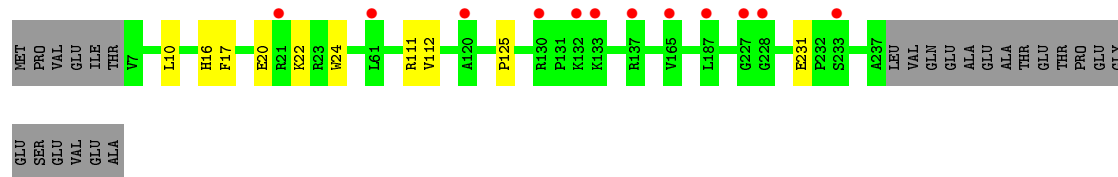
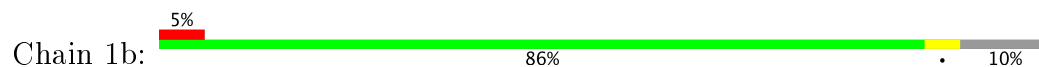
- Molecule 32: 16S Ribosomal RNA



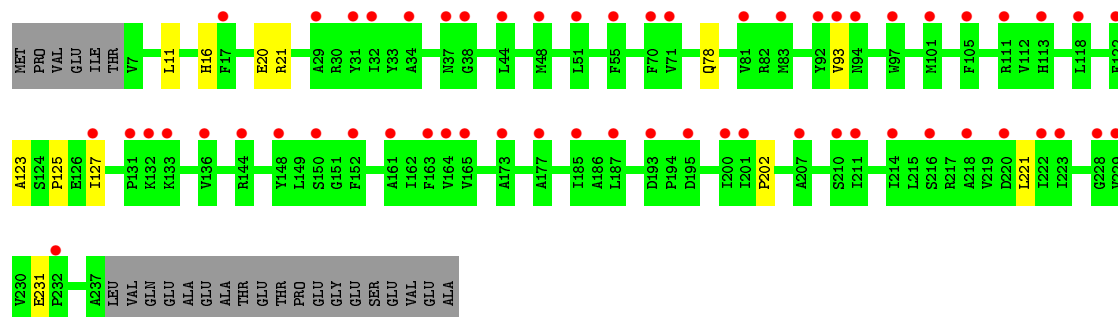
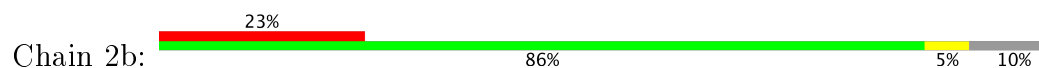




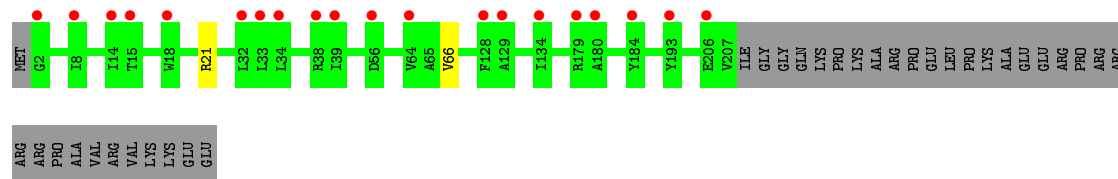
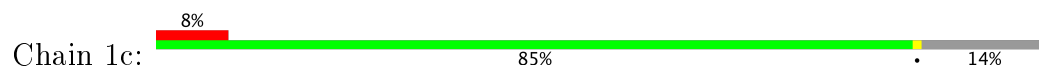
• Molecule 33: 30S ribosomal protein S2



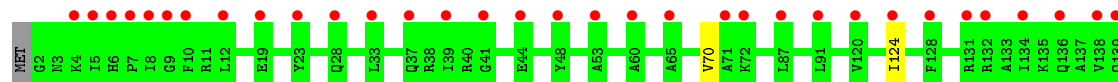
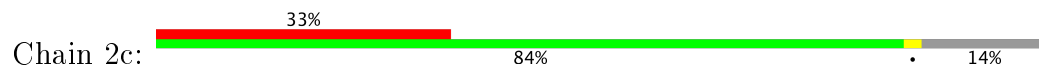
• Molecule 33: 30S ribosomal protein S2

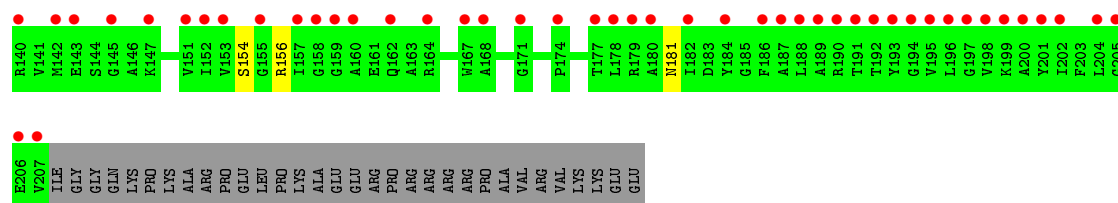


• Molecule 34: 30S ribosomal protein S3



• Molecule 34: 30S ribosomal protein S3

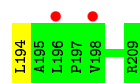
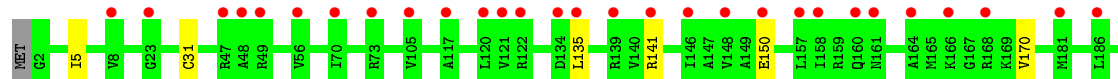




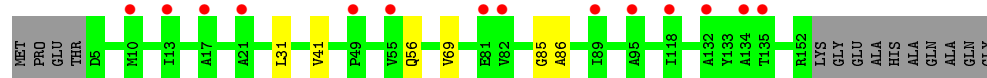
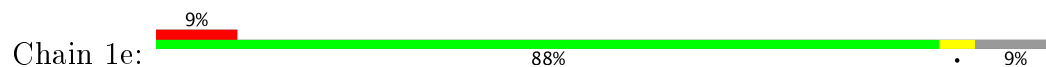
- Molecule 35: 30S ribosomal protein S4



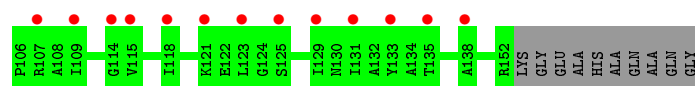
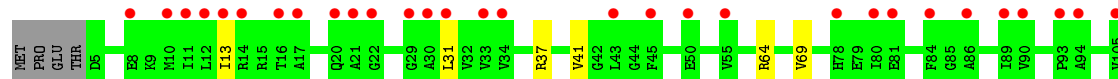
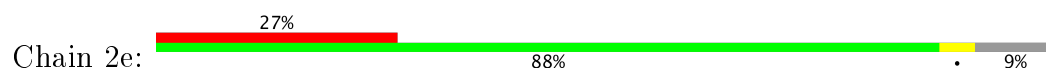
- Molecule 35: 30S ribosomal protein S4



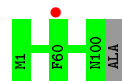
- Molecule 36: 30S ribosomal protein S5



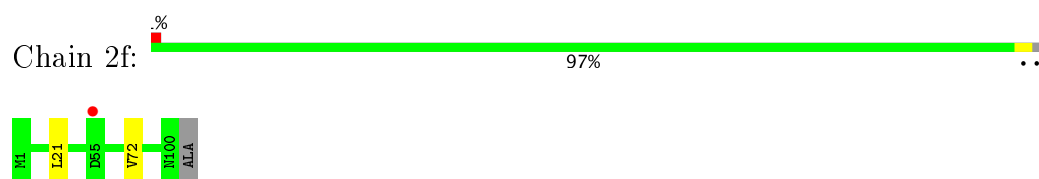
- Molecule 36: 30S ribosomal protein S5



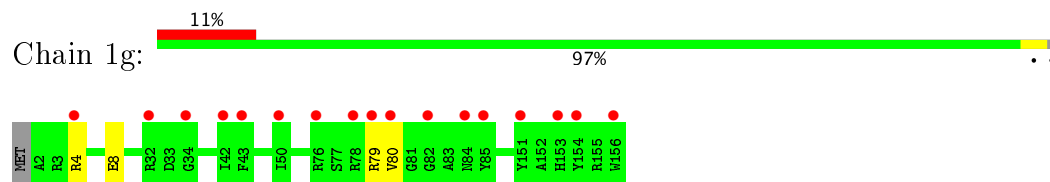
- Molecule 37: 30S ribosomal protein S6



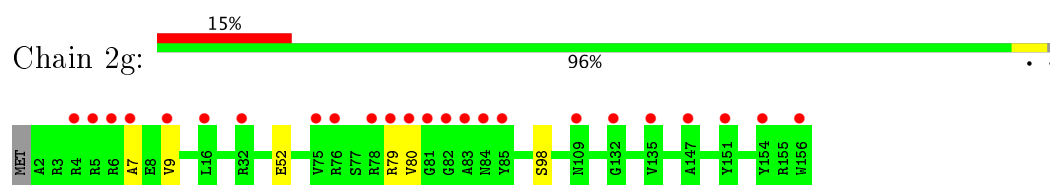
- Molecule 37: 30S ribosomal protein S6



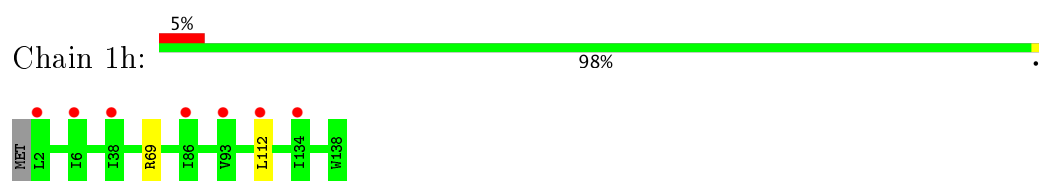
- Molecule 38: 30S ribosomal protein S7



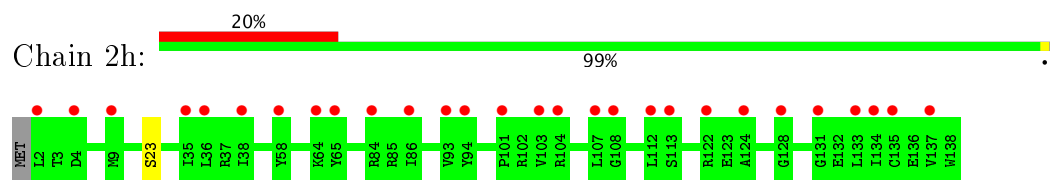
- Molecule 38: 30S ribosomal protein S7



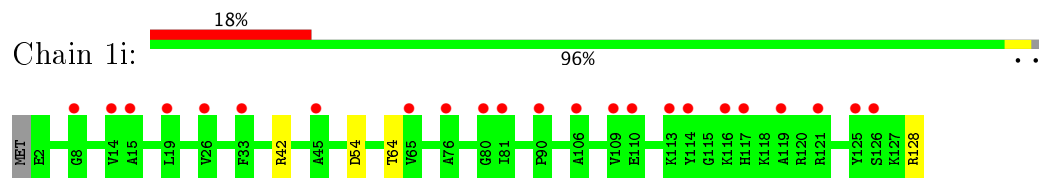
- Molecule 39: 30S ribosomal protein S8



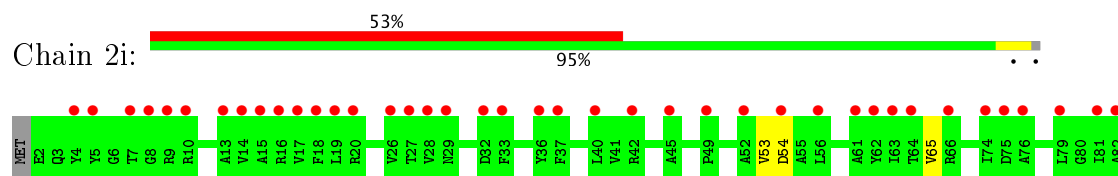
- Molecule 39: 30S ribosomal protein S8

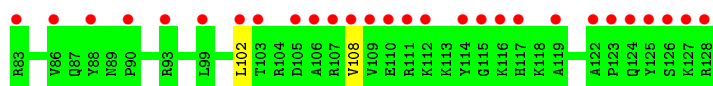


- Molecule 40: 30S ribosomal protein S9

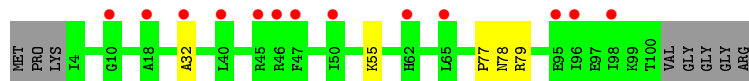
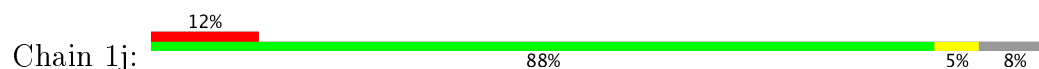


- Molecule 40: 30S ribosomal protein S9

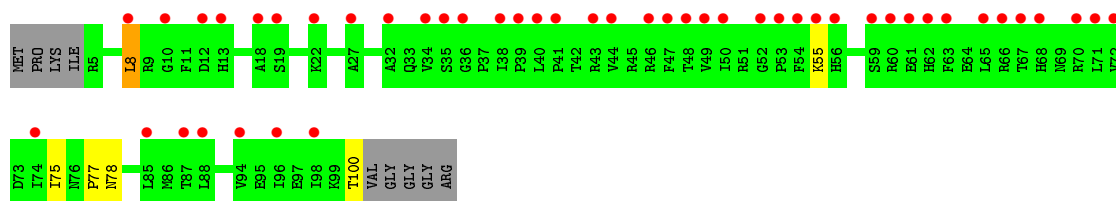
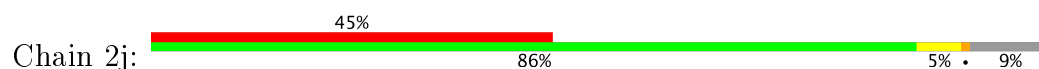




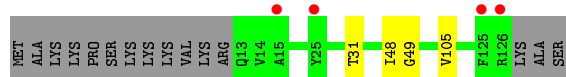
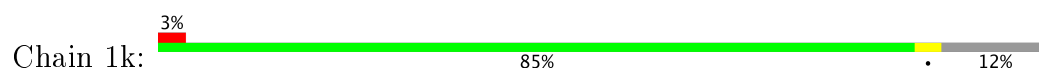
- Molecule 41: 30S ribosomal protein S10



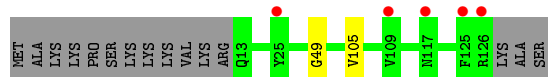
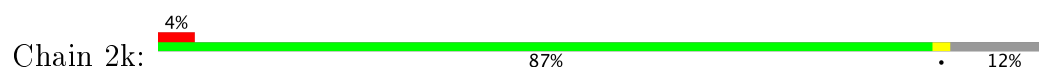
- Molecule 41: 30S ribosomal protein S10



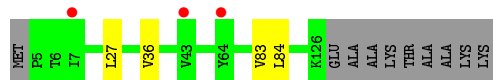
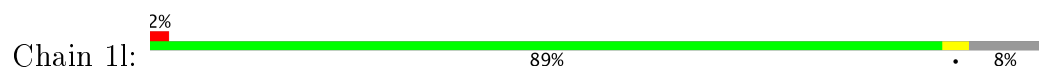
- Molecule 42: 30S ribosomal protein S11



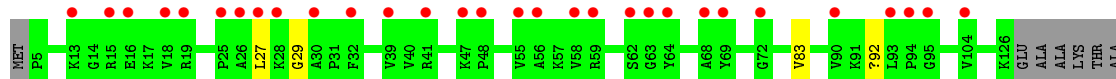
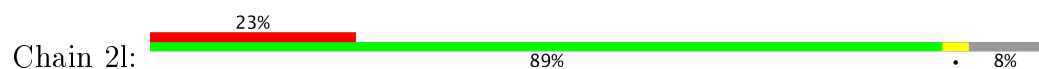
- Molecule 42: 30S ribosomal protein S11



- Molecule 43: 30S ribosomal protein S12



- Molecule 43: 30S ribosomal protein S12



ALA
LYS
LYS

- Molecule 44: 30S ribosomal protein S13

Chain 1m: 


MET A2 G26 R102 T109 K121 K122 A123 P124 ARG LYS

- Molecule 44: 30S ribosomal protein S13

Chain 2m: 


MET ALA I4 A5 G6 V7 Y23 A42 D47 V60 L66 E67 G68 E69 L70 R71 A72 E73 A76 I77 I78 M82 D83 I84 Y87 R88 G89 L90 R91 R92 R93 R94 R95 L96 P97 V98 R99 G100 Q101 R102 T103 R104 T105 N106 A118 G119 K120 K121 K122 A123 P124 ARG LYS

- Molecule 45: 30S ribosomal protein S14 type Z

Chain 1n: 

MET A2 R3 L6 I7 R12 T13 F16 K17 T22 R23 Y24 V33 R41 R57 W61

- Molecule 45: 30S ribosomal protein S14 type Z

Chain 2n: 

MET A2 R3 K4 A5 L6 I7 E8 K9 A10 K11 R12 T13 P14 K15 F16 K17 V18 Y21 T22 R23 C24 V25 R26 C27 G28 R29 A30 R31 S32 Y33 T34 R35 F36 F37 G38 L39 C40 R41 I42 C43 L44 R45 E46 L47 A48 H49 K50 G51 Q52 L53 P54 G55 V56 R57 K58 A59 S60 W61

- Molecule 46: 30S ribosomal protein S15

Chain 1o: 

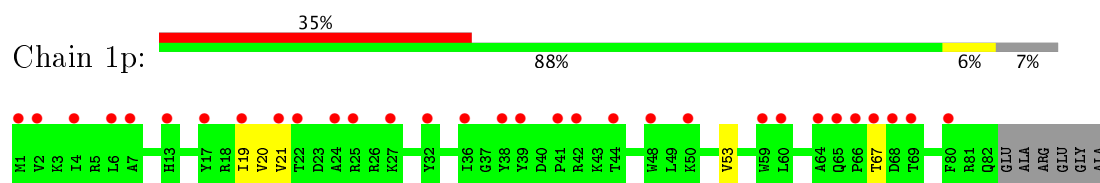
MET P2 E7 L39 L57 L66 Y69 I87 R88 G89

- Molecule 46: 30S ribosomal protein S15

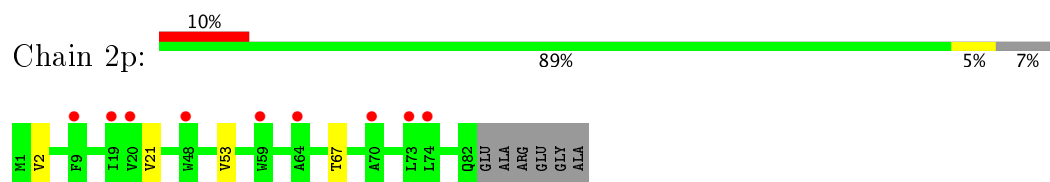
Chain 2o: 

MET P2 F15 A16 Y27 L31 L39 G61 R88 G89

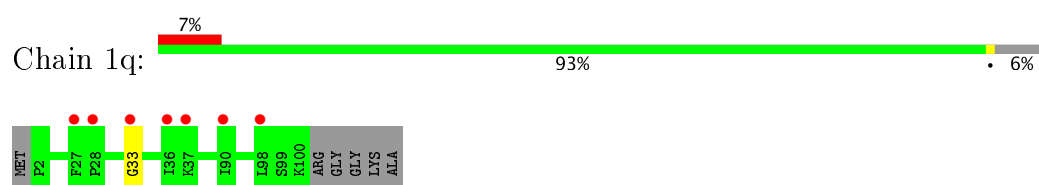
- Molecule 47: 30S ribosomal protein S16



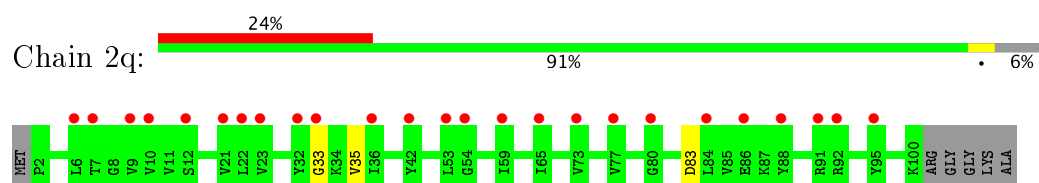
- Molecule 47: 30S ribosomal protein S16



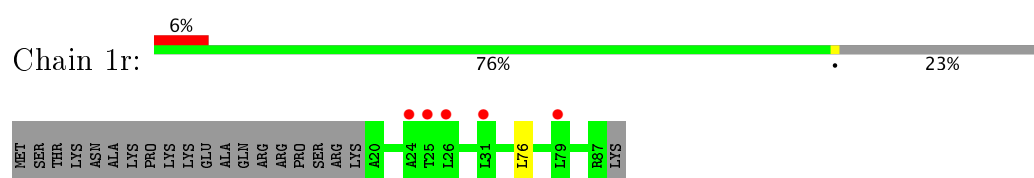
- Molecule 48: 30S ribosomal protein S17



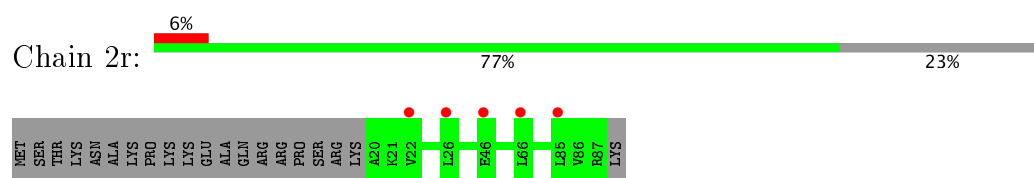
- Molecule 48: 30S ribosomal protein S17



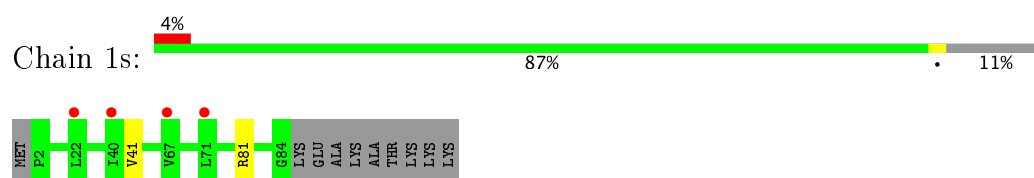
- Molecule 49: 30S ribosomal protein S18



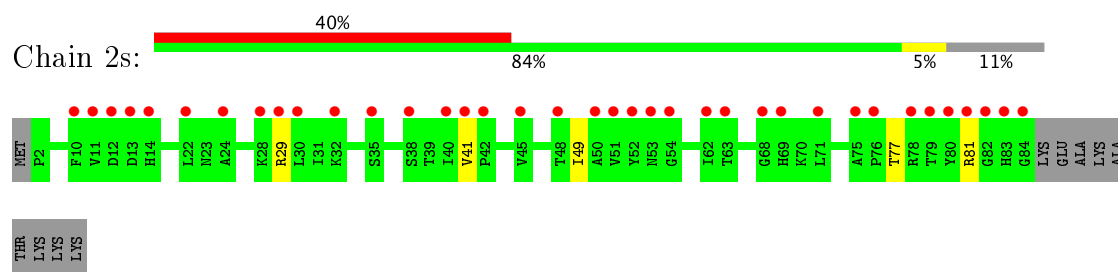
- Molecule 49: 30S ribosomal protein S18



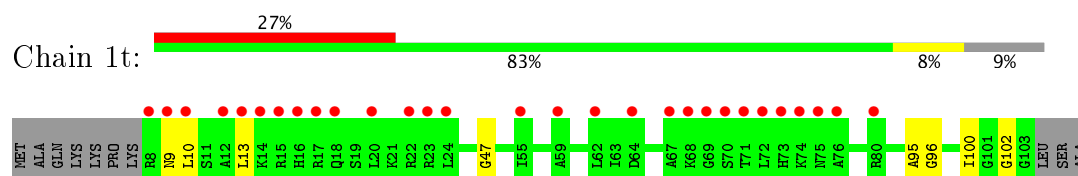
- Molecule 50: 30S ribosomal protein S19



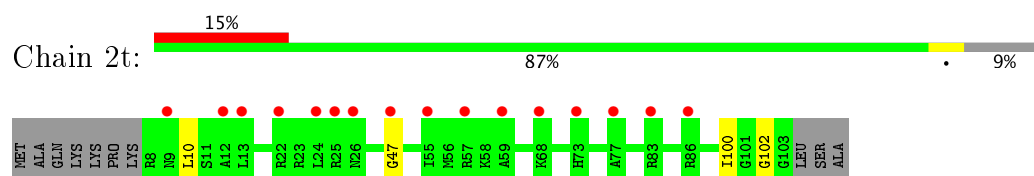
- Molecule 50: 30S ribosomal protein S19



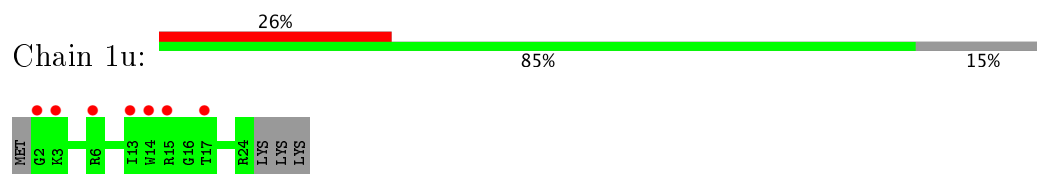
- Molecule 51: 30S ribosomal protein S20



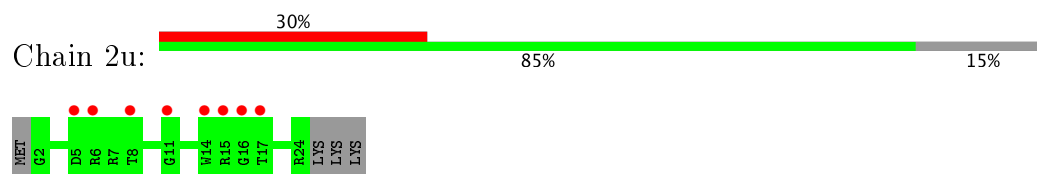
- Molecule 51: 30S ribosomal protein S20



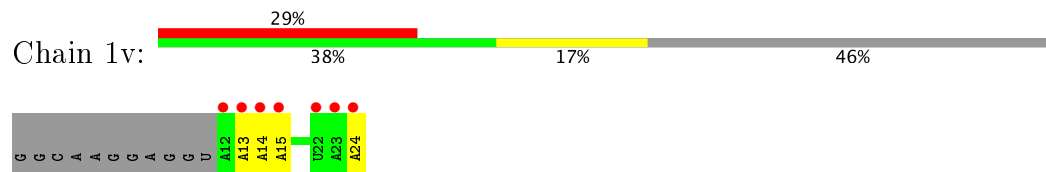
- Molecule 52: 30S ribosomal protein Thx



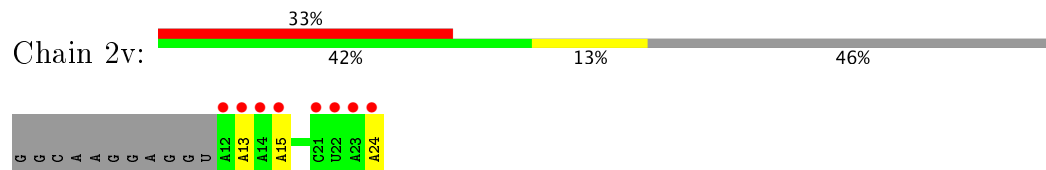
- Molecule 52: 30S ribosomal protein Thx



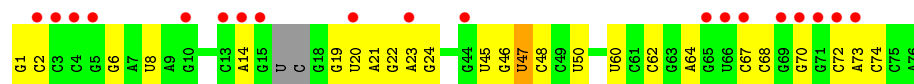
- Molecule 53: mRNA



- Molecule 53: mRNA



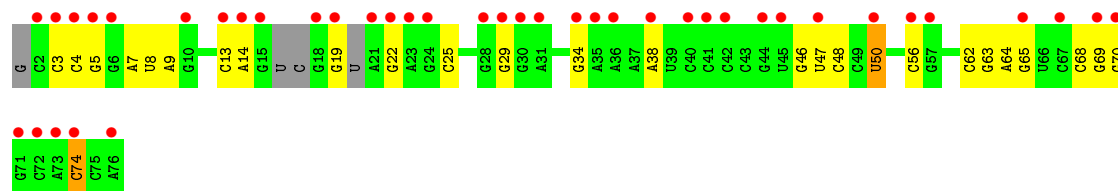
- Molecule 54: A-site and E-site tRNAs



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



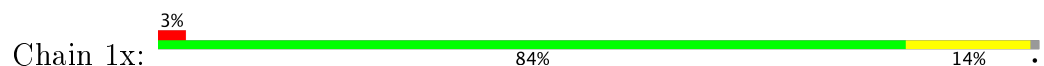
- Molecule 54: A-site and E-site tRNAs



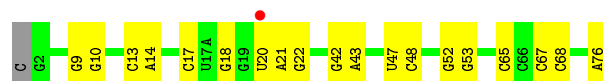
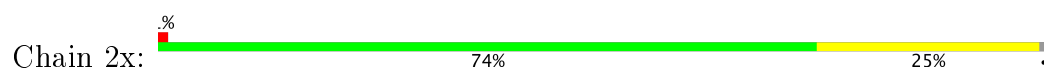
- Molecule 54: A-site and E-site tRNAs



- Molecule 55: P-site tRNA



- Molecule 55: P-site tRNA



4 Data and refinement statistics

Property	Value	Source
Space group	P 21 21 21	Depositor
Cell constants a, b, c, α , β , γ	209.70Å 450.05Å 624.09Å 90.00° 90.00° 90.00°	Depositor
Resolution (Å)	122.01 – 2.50 198.78 – 2.50	Depositor EDS
% Data completeness (in resolution range)	97.8 (122.01-2.50) 97.8 (198.78-2.50)	Depositor EDS
R_{merge}	0.14	Depositor
R_{sym}	(Not available)	Depositor
$\langle I/\sigma(I) \rangle$ ¹	1.22 (at 2.52Å)	Xtriage
Refinement program	PHENIX (phenix.refine: 1.8.2_1309)	Depositor
R, R_{free}	0.231 , 0.281 0.244 , 0.291	Depositor DCC
R_{free} test set	98495 reflections (5.29%)	DCC
Wilson B-factor (Å ²)	47.4	Xtriage
Anisotropy	0.174	Xtriage
Bulk solvent k_{sol} (e/Å ³), B_{sol} (Å ²)	0.28 , 57.1	EDS
L-test for twinning ²	$\langle L \rangle = 0.41$, $\langle L^2 \rangle = 0.23$	Xtriage
Estimated twinning fraction	No twinning to report.	Xtriage
F_o, F_c correlation	0.90	EDS
Total number of atoms	300910	wwPDB-VP
Average B, all atoms (Å ²)	60.0	wwPDB-VP

Xtriage's analysis on translational NCS is as follows: *The largest off-origin peak in the Patterson function is 1.58% of the height of the origin peak. No significant pseudotranslation is detected.*

¹Intensities estimated from amplitudes.

²Theoretical values of $\langle |L| \rangle$, $\langle L^2 \rangle$ for acentric reflections are 0.5, 0.333 respectively for untwinned datasets, and 0.375, 0.2 for perfectly twinned datasets.

5 Model quality ⓘ

5.1 Standard geometry ⓘ

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

The Z score for a bond length (or angle) is the number of standard deviations the observed value is removed from the expected value. A bond length (or angle) with $|Z| > 5$ is considered an outlier worth inspection. RMSZ is the root-mean-square of all Z scores of the bond lengths (or angles).

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

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

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

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

sidechain that are expected to be planar.

Mol	Chain	#Chirality outliers	#Planarity outliers
43	2l	0	1

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

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

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

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

There are no chirality outliers.

All (1) planarity outliers are listed below:

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

5.2 Too-close contacts ⓘ

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

Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
1	1A	61852	0	31193	648	0
1	2A	60322	0	30425	904	0
2	1B	2577	0	1305	21	0
2	2B	2575	0	1303	65	0
3	1D	2136	0	2218	45	0
3	2D	2136	0	2218	58	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
4	1E	1559	0	1618	31	0
4	2E	1559	0	1618	37	0
5	1F	1584	0	1625	34	0
5	2F	1580	0	1619	54	0
6	1G	1423	0	1436	22	0
6	2G	1428	0	1438	73	0
7	1H	1330	0	1407	26	0
7	2H	1330	0	1407	44	0
8	1I	1097	0	1140	31	0
8	2I	1064	0	1082	24	0
9	1N	1117	0	1184	21	0
9	2N	1117	0	1184	22	0
10	1O	933	0	996	17	0
10	2O	933	0	996	23	0
11	1P	1135	0	1212	36	0
11	2P	1135	0	1212	32	0
12	1Q	1122	0	1179	14	0
12	2Q	1122	0	1179	33	0
13	1R	968	0	1033	12	0
13	2R	968	0	1033	21	0
14	1S	873	0	927	19	0
14	2S	870	0	923	31	0
15	1T	1091	0	1151	17	0
15	2T	1083	0	1136	31	0
16	1U	959	0	1019	18	0
16	2U	959	0	1019	25	0
17	1V	771	0	830	10	0
17	2V	771	0	830	22	0
18	1W	886	0	940	8	0
18	2W	886	0	940	13	0
19	1X	750	0	814	10	0
19	2X	750	0	814	28	0
20	1Y	806	0	881	21	0
20	2Y	806	0	881	23	0
21	1Z	1240	0	1240	24	0
21	2Z	1271	0	1273	46	0
22	10	653	0	674	14	0
22	20	653	0	674	19	0
23	11	755	0	826	11	0
23	21	755	0	826	20	0
24	12	588	0	643	11	0
24	22	588	0	643	16	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
25	13	469	0	518	5	0
25	23	464	0	514	12	0
26	14	552	0	533	20	0
26	24	532	0	503	31	0
27	15	455	0	465	7	0
27	25	455	0	465	11	0
28	16	453	0	473	12	0
28	26	449	0	469	11	0
29	17	418	0	467	7	0
29	27	418	0	467	17	0
30	18	517	0	582	19	0
30	28	517	0	582	17	0
31	19	307	0	335	4	0
31	29	307	0	335	8	0
32	1a	32246	0	16295	0	0
32	2a	32327	0	16339	0	0
33	1b	1846	0	1867	0	0
33	2b	1825	0	1828	0	0
34	1c	1548	0	1535	0	0
34	2c	1542	0	1517	0	0
35	1d	1655	0	1672	0	0
35	2d	1674	0	1714	0	0
36	1e	1129	0	1185	0	0
36	2e	1133	0	1191	0	0
37	1f	810	0	804	0	0
37	2f	816	0	808	0	0
38	1g	1231	0	1238	0	0
38	2g	1235	0	1249	0	0
39	1h	1088	0	1126	0	0
39	2h	1088	0	1126	0	0
40	1i	983	0	986	0	0
40	2i	978	0	966	0	0
41	1j	709	0	650	0	0
41	2j	714	0	672	0	0
42	1k	829	0	825	0	0
42	2k	833	0	836	0	0
43	1l	932	0	981	0	0
43	2l	932	0	981	0	0
44	1m	958	0	1002	0	0
44	2m	950	0	988	0	0
45	1n	492	0	529	0	0
45	2n	492	0	529	0	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
46	1o	728	0	760	0	0
46	2o	728	0	760	0	0
47	1p	681	0	697	0	0
47	2p	677	0	686	0	0
48	1q	823	0	891	0	0
48	2q	823	0	891	0	0
49	1r	555	0	618	0	0
49	2r	555	0	618	0	0
50	1s	652	0	662	0	0
50	2s	646	0	644	0	0
51	1t	728	0	798	0	0
51	2t	727	0	796	0	0
52	1u	199	0	208	0	0
52	2u	199	0	208	0	0
53	1v	277	0	140	0	0
53	2v	277	0	140	0	0
54	1w	1592	0	819	0	0
54	1y	1585	0	804	0	0
54	2w	1544	0	788	0	0
54	2y	1565	0	795	0	0
55	1x	1625	0	828	0	0
55	2x	1625	0	828	0	0
56	10	6	0	0	0	0
56	11	3	0	0	0	0
56	12	1	0	0	0	0
56	13	3	0	0	0	0
56	15	2	0	0	0	0
56	16	3	0	0	0	0
56	17	1	0	0	0	0
56	18	3	0	0	0	0
56	19	2	0	0	0	0
56	1A	1141	0	0	0	0
56	1B	37	0	0	0	0
56	1D	12	0	0	0	0
56	1E	11	0	0	0	0
56	1F	8	0	0	0	0
56	1G	5	0	0	0	0
56	1I	1	0	0	0	0
56	1N	6	0	0	0	0
56	1O	7	0	0	0	0
56	1P	4	0	0	0	0
56	1Q	6	0	0	0	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
56	1R	3	0	0	0	0
56	1S	3	0	0	0	0
56	1T	2	0	0	0	0
56	1U	8	0	0	0	0
56	1V	3	0	0	0	0
56	1W	5	0	0	0	0
56	1X	6	0	0	0	0
56	1Y	3	0	0	0	0
56	1Z	3	0	0	0	0
56	1a	229	0	0	0	0
56	1b	2	0	0	0	0
56	1d	1	0	0	0	0
56	1e	1	0	0	0	0
56	1f	2	0	0	0	0
56	1l	3	0	0	0	0
56	1n	2	0	0	0	0
56	1s	1	0	0	0	0
56	1t	1	0	0	0	0
56	1v	1	0	0	0	0
56	1w	11	0	0	0	0
56	1x	16	0	0	0	0
56	1y	4	0	0	0	0
56	20	3	0	0	0	0
56	23	2	0	0	0	0
56	25	4	0	0	0	0
56	27	1	0	0	0	0
56	28	2	0	0	0	0
56	2A	909	0	0	0	0
56	2B	21	0	0	0	0
56	2D	5	0	0	0	0
56	2E	9	0	0	0	0
56	2F	4	0	0	0	0
56	2G	1	0	0	0	0
56	2N	1	0	0	0	0
56	2O	1	0	0	0	0
56	2P	1	0	0	0	0
56	2Q	3	0	0	0	0
56	2R	1	0	0	0	0
56	2T	3	0	0	0	0
56	2U	4	0	0	0	0
56	2V	1	0	0	0	0
56	2W	3	0	0	0	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
56	2X	3	0	0	0	0
56	2Y	1	0	0	0	0
56	2Z	1	0	0	0	0
56	2a	244	0	0	0	0
56	2d	1	0	0	0	0
56	2e	1	0	0	0	0
56	2f	1	0	0	0	0
56	2g	1	0	0	0	0
56	2i	1	0	0	0	0
56	2j	2	0	0	0	0
56	2l	2	0	0	0	0
56	2n	1	0	0	0	0
56	2q	2	0	0	0	0
56	2r	2	0	0	0	0
56	2t	1	0	0	0	0
56	2v	2	0	0	0	0
56	2w	8	0	0	0	0
56	2x	5	0	0	0	0
56	2y	7	0	0	0	0
57	1A	1	0	0	0	0
57	2A	1	0	0	0	0
58	14	1	0	0	0	0
58	15	1	0	0	0	0
58	16	1	0	0	0	0
58	19	1	0	0	0	0
58	1Y	1	0	0	0	0
58	1n	1	0	0	0	0
58	24	1	0	0	0	0
58	25	1	0	0	0	0
58	26	1	0	0	0	0
58	29	1	0	0	0	0
58	2Y	1	0	0	0	0
58	2n	1	0	0	0	0
59	1d	8	0	0	0	0
59	2d	8	0	0	0	0
60	10	12	0	0	0	0
60	11	10	0	0	0	0
60	12	4	0	0	0	0
60	13	6	0	0	0	0
60	14	1	0	0	0	0
60	15	6	0	0	0	0
60	16	3	0	0	0	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
60	17	9	0	0	0	0
60	18	13	0	0	1	0
60	1A	2238	0	0	95	0
60	1B	68	0	0	3	0
60	1D	28	0	0	1	0
60	1E	28	0	0	3	0
60	1F	13	0	0	1	0
60	1G	7	0	0	1	0
60	1H	2	0	0	0	0
60	1I	3	0	0	0	0
60	1N	7	0	0	1	0
60	1O	8	0	0	0	0
60	1P	23	0	0	3	0
60	1Q	14	0	0	0	0
60	1R	14	0	0	0	0
60	1S	5	0	0	0	0
60	1T	8	0	0	1	0
60	1U	11	0	0	1	0
60	1V	9	0	0	0	0
60	1W	6	0	0	0	0
60	1X	8	0	0	2	0
60	1Y	4	0	0	0	0
60	1Z	1	0	0	0	0
60	1a	438	0	0	0	0
60	1b	1	0	0	0	0
60	1d	1	0	0	0	0
60	1e	1	0	0	0	0
60	1f	1	0	0	0	0
60	1g	1	0	0	0	0
60	1i	1	0	0	0	0
60	1l	8	0	0	0	0
60	1m	2	0	0	0	0
60	1o	1	0	0	0	0
60	1p	1	0	0	0	0
60	1q	4	0	0	0	0
60	1u	1	0	0	0	0
60	1v	5	0	0	0	0
60	1w	21	0	0	0	0
60	1x	15	0	0	0	0
60	1y	1	0	0	0	0
60	20	7	0	0	0	0
60	21	12	0	0	0	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
60	22	1	0	0	0	0
60	23	1	0	0	0	0
60	25	4	0	0	1	0
60	26	1	0	0	0	0
60	27	4	0	0	1	0
60	28	6	0	0	2	0
60	29	1	0	0	0	0
60	2A	1389	0	0	90	0
60	2B	26	0	0	1	0
60	2D	28	0	0	2	0
60	2E	16	0	0	0	0
60	2F	16	0	0	0	0
60	2H	1	0	0	0	0
60	2I	4	0	0	0	0
60	2N	1	0	0	0	0
60	2P	14	0	0	1	0
60	2Q	2	0	0	0	0
60	2R	2	0	0	0	0
60	2T	6	0	0	0	0
60	2U	2	0	0	0	0
60	2V	2	0	0	0	0
60	2W	2	0	0	0	0
60	2X	5	0	0	0	0
60	2Y	1	0	0	1	0
60	2Z	2	0	0	0	0
60	2a	377	0	0	0	0
60	2d	1	0	0	0	0
60	2e	2	0	0	0	0
60	2g	1	0	0	0	0
60	2i	1	0	0	0	0
60	2j	4	0	0	0	0
60	2l	5	0	0	0	0
60	2o	1	0	0	0	0
60	2p	2	0	0	0	0
60	2q	1	0	0	0	0
60	2r	1	0	0	0	0
60	2t	4	0	0	0	0
60	2u	1	0	0	0	0
60	2v	1	0	0	0	0
60	2w	2	0	0	0	0
60	2x	7	0	0	0	0
60	2y	19	0	0	0	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
All	All	300910	0	196690	2580	0

The all-atom clashscore is defined as the number of clashes found per 1000 atoms (including hydrogen atoms). The all-atom clashscore for this structure is 10.

The worst 5 of 2580 close contacts within the same asymmetric unit are listed below, sorted by their clash magnitude.

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:1A:1128:U:H3	1:1A:1132:A:N6	1.34	1.25
1:2A:2136:C:N4	1:2A:2155:G:H1	1.44	1.15
1:1A:1128:U:O4	1:1A:1132:A:N1	1.85	1.09
1:2A:2138:C:N4	1:2A:2153:G:H1	1.48	1.09
1:1A:1740:U:H1'	3:1D:14:ARG:HH22	1.22	1.01

There are no symmetry-related clashes.

5.3 Torsion angles [i](#)

5.3.1 Protein backbone [i](#)

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

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

Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
3	1D	273/276 (99%)	262 (96%)	11 (4%)	0	100	100
3	2D	273/276 (99%)	260 (95%)	11 (4%)	2 (1%)	25	43
4	1E	202/206 (98%)	193 (96%)	8 (4%)	1 (0%)	32	53
4	2E	202/206 (98%)	194 (96%)	7 (4%)	1 (0%)	32	53
5	1F	201/210 (96%)	198 (98%)	2 (1%)	1 (0%)	32	53
5	2F	201/210 (96%)	197 (98%)	2 (1%)	2 (1%)	18	32
6	1G	179/182 (98%)	170 (95%)	9 (5%)	0	100	100
6	2G	179/182 (98%)	168 (94%)	10 (6%)	1 (1%)	28	48
7	1H	172/180 (96%)	164 (95%)	7 (4%)	1 (1%)	28	48

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
7	2H	172/180 (96%)	158 (92%)	12 (7%)	2 (1%)	15	27
8	1I	144/148 (97%)	132 (92%)	12 (8%)	0	100	100
8	2I	144/148 (97%)	128 (89%)	14 (10%)	2 (1%)	13	23
9	1N	138/140 (99%)	134 (97%)	4 (3%)	0	100	100
9	2N	138/140 (99%)	133 (96%)	4 (3%)	1 (1%)	25	43
10	1O	120/122 (98%)	112 (93%)	8 (7%)	0	100	100
10	2O	120/122 (98%)	114 (95%)	6 (5%)	0	100	100
11	1P	147/150 (98%)	139 (95%)	8 (5%)	0	100	100
11	2P	147/150 (98%)	137 (93%)	10 (7%)	0	100	100
12	1Q	139/141 (99%)	133 (96%)	6 (4%)	0	100	100
12	2Q	139/141 (99%)	131 (94%)	7 (5%)	1 (1%)	25	43
13	1R	116/118 (98%)	111 (96%)	5 (4%)	0	100	100
13	2R	116/118 (98%)	112 (97%)	4 (3%)	0	100	100
14	1S	108/112 (96%)	106 (98%)	2 (2%)	0	100	100
14	2S	108/112 (96%)	105 (97%)	2 (2%)	1 (1%)	20	36
15	1T	129/146 (88%)	123 (95%)	6 (5%)	0	100	100
15	2T	129/146 (88%)	125 (97%)	4 (3%)	0	100	100
16	1U	114/118 (97%)	114 (100%)	0	0	100	100
16	2U	114/118 (97%)	114 (100%)	0	0	100	100
17	1V	99/101 (98%)	97 (98%)	1 (1%)	1 (1%)	18	32
17	2V	99/101 (98%)	97 (98%)	1 (1%)	1 (1%)	18	32
18	1W	110/113 (97%)	110 (100%)	0	0	100	100
18	2W	110/113 (97%)	110 (100%)	0	0	100	100
19	1X	93/96 (97%)	90 (97%)	3 (3%)	0	100	100
19	2X	93/96 (97%)	88 (95%)	4 (4%)	1 (1%)	17	29
20	1Y	105/110 (96%)	98 (93%)	5 (5%)	2 (2%)	9	15
20	2Y	105/110 (96%)	99 (94%)	4 (4%)	2 (2%)	9	15
21	1Z	148/206 (72%)	136 (92%)	11 (7%)	1 (1%)	25	43
21	2Z	156/206 (76%)	141 (90%)	15 (10%)	0	100	100
22	10	81/85 (95%)	80 (99%)	0	1 (1%)	15	27
22	20	81/85 (95%)	77 (95%)	3 (4%)	1 (1%)	15	27

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
23	11	95/98 (97%)	92 (97%)	3 (3%)	0	100	100
23	21	95/98 (97%)	91 (96%)	4 (4%)	0	100	100
24	12	68/72 (94%)	68 (100%)	0	0	100	100
24	22	68/72 (94%)	67 (98%)	1 (2%)	0	100	100
25	13	57/60 (95%)	55 (96%)	2 (4%)	0	100	100
25	23	57/60 (95%)	53 (93%)	3 (5%)	1 (2%)	10	17
26	14	67/71 (94%)	58 (87%)	4 (6%)	5 (8%)	1	1
26	24	67/71 (94%)	53 (79%)	10 (15%)	4 (6%)	2	1
27	15	57/60 (95%)	56 (98%)	1 (2%)	0	100	100
27	25	57/60 (95%)	56 (98%)	1 (2%)	0	100	100
28	16	51/54 (94%)	49 (96%)	2 (4%)	0	100	100
28	26	51/54 (94%)	50 (98%)	1 (2%)	0	100	100
29	17	46/49 (94%)	44 (96%)	2 (4%)	0	100	100
29	27	46/49 (94%)	44 (96%)	1 (2%)	1 (2%)	8	12
30	18	62/65 (95%)	62 (100%)	0	0	100	100
30	28	62/65 (95%)	61 (98%)	1 (2%)	0	100	100
31	19	35/37 (95%)	35 (100%)	0	0	100	100
31	29	35/37 (95%)	35 (100%)	0	0	100	100
33	1b	229/256 (90%)	200 (87%)	22 (10%)	7 (3%)	5	6
33	2b	229/256 (90%)	202 (88%)	19 (8%)	8 (4%)	4	5
34	1c	204/239 (85%)	188 (92%)	15 (7%)	1 (0%)	32	53
34	2c	204/239 (85%)	187 (92%)	15 (7%)	2 (1%)	18	32
35	1d	206/209 (99%)	196 (95%)	9 (4%)	1 (0%)	32	53
35	2d	206/209 (99%)	197 (96%)	8 (4%)	1 (0%)	32	53
36	1e	146/162 (90%)	137 (94%)	6 (4%)	3 (2%)	8	13
36	2e	146/162 (90%)	139 (95%)	5 (3%)	2 (1%)	13	23
37	1f	98/101 (97%)	96 (98%)	2 (2%)	0	100	100
37	2f	98/101 (97%)	96 (98%)	2 (2%)	0	100	100
38	1g	153/156 (98%)	144 (94%)	6 (4%)	3 (2%)	9	14
38	2g	153/156 (98%)	143 (94%)	7 (5%)	3 (2%)	9	14
39	1h	135/138 (98%)	133 (98%)	2 (2%)	0	100	100

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
39	2h	135/138 (98%)	131 (97%)	4 (3%)	0	100	100
40	1i	125/128 (98%)	115 (92%)	9 (7%)	1 (1%)	22	39
40	2i	125/128 (98%)	114 (91%)	10 (8%)	1 (1%)	22	39
41	1j	95/105 (90%)	86 (90%)	4 (4%)	5 (5%)	2	2
41	2j	94/105 (90%)	85 (90%)	5 (5%)	4 (4%)	3	3
42	1k	112/129 (87%)	106 (95%)	4 (4%)	2 (2%)	10	17
42	2k	112/129 (87%)	107 (96%)	3 (3%)	2 (2%)	10	17
43	1l	119/132 (90%)	115 (97%)	4 (3%)	0	100	100
43	2l	119/132 (90%)	112 (94%)	7 (6%)	0	100	100
44	1m	121/126 (96%)	114 (94%)	7 (6%)	0	100	100
44	2m	120/126 (95%)	110 (92%)	9 (8%)	1 (1%)	22	39
45	1n	58/61 (95%)	56 (97%)	2 (3%)	0	100	100
45	2n	58/61 (95%)	55 (95%)	3 (5%)	0	100	100
46	1o	86/89 (97%)	82 (95%)	4 (5%)	0	100	100
46	2o	86/89 (97%)	81 (94%)	4 (5%)	1 (1%)	15	27
47	1p	80/88 (91%)	76 (95%)	3 (4%)	1 (1%)	14	25
47	2p	80/88 (91%)	76 (95%)	3 (4%)	1 (1%)	14	25
48	1q	97/105 (92%)	93 (96%)	3 (3%)	1 (1%)	18	32
48	2q	97/105 (92%)	94 (97%)	2 (2%)	1 (1%)	18	32
49	1r	66/88 (75%)	65 (98%)	1 (2%)	0	100	100
49	2r	66/88 (75%)	65 (98%)	1 (2%)	0	100	100
50	1s	81/93 (87%)	75 (93%)	5 (6%)	1 (1%)	15	27
50	2s	81/93 (87%)	74 (91%)	5 (6%)	2 (2%)	6	10
51	1t	94/106 (89%)	87 (93%)	0	7 (7%)	1	1
51	2t	94/106 (89%)	86 (92%)	4 (4%)	4 (4%)	3	3
52	1u	21/27 (78%)	21 (100%)	0	0	100	100
52	2u	21/27 (78%)	21 (100%)	0	0	100	100
All	All	11370/12128 (94%)	10779 (95%)	488 (4%)	103 (1%)	20	36

5 of 103 Ramachandran outliers are listed below:

Mol	Chain	Res	Type
5	1F	130	ALA

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

5.3.2 Protein sidechains ⓘ

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

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

Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
3	1D	215/218 (99%)	209 (97%)	6 (3%)	49	76
3	2D	215/218 (99%)	208 (97%)	7 (3%)	43	70
4	1E	164/166 (99%)	154 (94%)	10 (6%)	22	40
4	2E	164/166 (99%)	154 (94%)	10 (6%)	22	40
5	1F	160/166 (96%)	150 (94%)	10 (6%)	21	38
5	2F	159/166 (96%)	150 (94%)	9 (6%)	24	44
6	1G	143/156 (92%)	139 (97%)	4 (3%)	49	76
6	2G	143/156 (92%)	135 (94%)	8 (6%)	25	45
7	1H	144/148 (97%)	141 (98%)	3 (2%)	59	83
7	2H	144/148 (97%)	142 (99%)	2 (1%)	71	90
8	1I	113/124 (91%)	108 (96%)	5 (4%)	33	57
8	2I	105/124 (85%)	99 (94%)	6 (6%)	24	44
9	1N	118/119 (99%)	110 (93%)	8 (7%)	18	34
9	2N	118/119 (99%)	109 (92%)	9 (8%)	15	29
10	1O	100/100 (100%)	98 (98%)	2 (2%)	60	84
10	2O	100/100 (100%)	99 (99%)	1 (1%)	80	93
11	1P	115/116 (99%)	109 (95%)	6 (5%)	27	49
11	2P	115/116 (99%)	112 (97%)	3 (3%)	51	78
12	1Q	111/111 (100%)	108 (97%)	3 (3%)	50	77
12	2Q	111/111 (100%)	105 (95%)	6 (5%)	26	47

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
13	1R	101/101 (100%)	90 (89%)	11 (11%)	7	14
13	2R	101/101 (100%)	94 (93%)	7 (7%)	18	34
14	1S	86/88 (98%)	84 (98%)	2 (2%)	56	81
14	2S	85/88 (97%)	83 (98%)	2 (2%)	54	80
15	1T	115/127 (91%)	113 (98%)	2 (2%)	66	87
15	2T	113/127 (89%)	113 (100%)	0	100	100
16	1U	93/94 (99%)	92 (99%)	1 (1%)	78	92
16	2U	93/94 (99%)	91 (98%)	2 (2%)	57	82
17	1V	80/82 (98%)	74 (92%)	6 (8%)	16	29
17	2V	80/82 (98%)	74 (92%)	6 (8%)	16	29
18	1W	90/92 (98%)	85 (94%)	5 (6%)	25	45
18	2W	90/92 (98%)	85 (94%)	5 (6%)	25	45
19	1X	77/78 (99%)	75 (97%)	2 (3%)	51	78
19	2X	77/78 (99%)	76 (99%)	1 (1%)	73	90
20	1Y	85/91 (93%)	82 (96%)	3 (4%)	41	68
20	2Y	85/91 (93%)	82 (96%)	3 (4%)	41	68
21	1Z	135/179 (75%)	129 (96%)	6 (4%)	33	57
21	2Z	137/179 (76%)	136 (99%)	1 (1%)	87	96
22	10	65/67 (97%)	63 (97%)	2 (3%)	45	73
22	20	65/67 (97%)	64 (98%)	1 (2%)	70	89
23	11	80/83 (96%)	79 (99%)	1 (1%)	73	90
23	21	80/83 (96%)	78 (98%)	2 (2%)	53	79
24	12	65/67 (97%)	64 (98%)	1 (2%)	70	89
24	22	65/67 (97%)	65 (100%)	0	100	100
25	13	51/52 (98%)	49 (96%)	2 (4%)	37	63
25	23	50/52 (96%)	48 (96%)	2 (4%)	36	62
26	14	59/63 (94%)	58 (98%)	1 (2%)	66	87
26	24	53/63 (84%)	49 (92%)	4 (8%)	16	29
27	15	50/52 (96%)	47 (94%)	3 (6%)	22	41
27	25	50/52 (96%)	47 (94%)	3 (6%)	22	41
28	16	51/52 (98%)	49 (96%)	2 (4%)	37	63

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
28	26	50/52 (96%)	49 (98%)	1 (2%)	60	84
29	17	41/42 (98%)	40 (98%)	1 (2%)	54	80
29	27	41/42 (98%)	40 (98%)	1 (2%)	54	80
30	18	54/55 (98%)	52 (96%)	2 (4%)	39	66
30	28	54/55 (98%)	52 (96%)	2 (4%)	39	66
31	19	34/34 (100%)	34 (100%)	0	100	100
31	29	34/34 (100%)	33 (97%)	1 (3%)	48	75
33	1b	192/220 (87%)	189 (98%)	3 (2%)	68	88
33	2b	187/220 (85%)	183 (98%)	4 (2%)	59	83
34	1c	142/188 (76%)	141 (99%)	1 (1%)	87	96
34	2c	140/188 (74%)	137 (98%)	3 (2%)	59	83
35	1d	169/181 (93%)	163 (96%)	6 (4%)	40	67
35	2d	173/181 (96%)	167 (96%)	6 (4%)	41	68
36	1e	113/123 (92%)	110 (97%)	3 (3%)	50	77
36	2e	114/123 (93%)	110 (96%)	4 (4%)	41	68
37	1f	84/90 (93%)	84 (100%)	0	100	100
37	2f	85/90 (94%)	83 (98%)	2 (2%)	54	80
38	1g	119/127 (94%)	118 (99%)	1 (1%)	85	95
38	2g	120/127 (94%)	117 (98%)	3 (2%)	53	79
39	1h	114/119 (96%)	112 (98%)	2 (2%)	64	86
39	2h	114/119 (96%)	113 (99%)	1 (1%)	82	94
40	1i	90/99 (91%)	87 (97%)	3 (3%)	43	70
40	2i	89/99 (90%)	85 (96%)	4 (4%)	32	56
41	1j	66/92 (72%)	66 (100%)	0	100	100
41	2j	69/92 (75%)	67 (97%)	2 (3%)	48	75
42	1k	82/99 (83%)	80 (98%)	2 (2%)	54	80
42	2k	83/99 (84%)	83 (100%)	0	100	100
43	1l	96/108 (89%)	92 (96%)	4 (4%)	34	59
43	2l	96/108 (89%)	94 (98%)	2 (2%)	59	83
44	1m	93/101 (92%)	92 (99%)	1 (1%)	78	92
44	2m	92/101 (91%)	91 (99%)	1 (1%)	78	92

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
45	1n	49/50 (98%)	44 (90%)	5 (10%)	8	16
45	2n	49/50 (98%)	47 (96%)	2 (4%)	35	61
46	1o	78/80 (98%)	76 (97%)	2 (3%)	51	78
46	2o	78/80 (98%)	77 (99%)	1 (1%)	73	90
47	1p	69/74 (93%)	65 (94%)	4 (6%)	23	43
47	2p	68/74 (92%)	65 (96%)	3 (4%)	33	57
48	1q	94/97 (97%)	94 (100%)	0	100	100
48	2q	94/97 (97%)	92 (98%)	2 (2%)	59	83
49	1r	59/77 (77%)	58 (98%)	1 (2%)	66	87
49	2r	59/77 (77%)	59 (100%)	0	100	100
50	1s	69/80 (86%)	68 (99%)	1 (1%)	71	90
50	2s	67/80 (84%)	64 (96%)	3 (4%)	32	56
51	1t	70/82 (85%)	69 (99%)	1 (1%)	71	90
51	2t	70/82 (85%)	70 (100%)	0	100	100
52	1u	18/22 (82%)	18 (100%)	0	100	100
52	2u	18/22 (82%)	18 (100%)	0	100	100
All	All	9303/10064 (92%)	9005 (97%)	298 (3%)	44	71

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

Mol	Chain	Res	Type
43	1l	84	LEU
4	2E	181	LEU
38	2g	52	GLU
45	1n	22	THR
3	2D	106	ILE

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

Mol	Chain	Res	Type
12	2Q	12	GLN
19	2X	82	GLN
42	2k	78	GLN
12	2Q	57	HIS
15	2T	79	HIS

5.3.3 RNA ⓘ

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

5 of 1590 RNA backbone outliers are listed below:

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

5 of 72 RNA pucker outliers are listed below:

Mol	Chain	Res	Type
1	1A	2156	A
1	1A	2641	A
1	2A	1992	G
1	1A	2180	A
1	1A	2205	C

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

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

In the following table, the Counts columns list the number of bonds (or angles) for which Mogul statistics could be retrieved, the number of bonds (or angles) that are observed in the model and the number of bonds (or angles) that are defined in the chemical component dictionary. The Link

column lists molecule types, if any, to which the group is linked. The Z score for a bond length (or angle) is the number of standard deviations the observed value is removed from the expected value. A bond length (or angle) with $|Z| > 2$ is considered an outlier worth inspection. RMSZ is the root-mean-square of all Z scores of the bond lengths (or angles).

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
1	PSU	1A	1933	1	16,21,22	1.35	3 (18%)	20,30,33	3.38	6 (30%)
1	5MU	1A	1937	1	14,22,23	0.70	0	16,32,35	2.12	3 (18%)
1	PSU	1A	1939	1	16,21,22	1.59	3 (18%)	20,30,33	3.57	7 (35%)
1	4OC	1A	1942	1	15,22,24	0.74	0	19,31,35	0.79	0
1	5MU	1A	1961	1,56	14,22,23	0.79	1 (7%)	16,32,35	1.92	3 (18%)
1	5MC	1A	1964	1,56	15,22,23	1.40	1 (6%)	17,32,35	1.31	2 (11%)
1	5MC	1A	1984	1,56	15,22,23	1.34	1 (6%)	17,32,35	0.90	1 (5%)
1	OMG	1A	2263	1,55,56	18,26,27	1.24	2 (11%)	22,38,41	2.20	6 (27%)
1	2MA	1A	2515	1,56	18,25,26	1.69	4 (22%)	17,37,40	1.89	2 (11%)
1	2MU	1A	2564	1,56	14,22,24	0.86	1 (7%)	18,31,36	1.80	1 (5%)
1	PSU	1A	2617	1,56	16,21,22	1.84	3 (18%)	20,30,33	3.52	6 (30%)
32	2MG	1a	1207	32	19,26,27	1.34	2 (10%)	20,38,41	2.30	7 (35%)
32	5MC	1a	1400	32	15,22,23	1.39	1 (6%)	17,32,35	1.27	2 (11%)
32	4OC	1a	1402	32	16,23,24	0.81	0	19,32,35	1.52	1 (5%)
32	5MC	1a	1404	32	15,22,23	1.43	1 (6%)	17,32,35	1.13	2 (11%)
32	5MC	1a	1407	32	15,22,23	1.45	1 (6%)	17,32,35	1.16	2 (11%)
32	UR3	1a	1498	32	14,22,23	0.84	1 (7%)	16,32,35	0.77	1 (6%)
32	MA6	1a	1518	32	16,26,27	0.92	1 (6%)	18,38,41	2.44	7 (38%)
32	MA6	1a	1519	32	16,26,27	1.09	1 (6%)	18,38,41	2.10	5 (27%)
32	PSU	1a	516	32	16,21,22	1.28	2 (12%)	20,30,33	3.58	6 (30%)
32	7MG	1a	527	32,56	20,26,27	1.59	3 (15%)	22,39,42	2.62	5 (22%)
32	M2G	1a	966	32	20,27,28	1.47	3 (15%)	21,40,43	2.24	7 (33%)
32	5MC	1a	967	32	15,22,23	1.42	1 (6%)	17,32,35	1.15	2 (11%)
43	0TD	1l	92	43	5,9,10	5.20	4 (80%)	3,11,13	4.30	2 (66%)
54	PSU	1w	32	54,56	16,21,22	1.31	1 (6%)	20,30,33	3.59	6 (30%)
54	MIA	1w	37	54	23,31,32	1.73	2 (8%)	25,44,47	1.62	5 (20%)
54	PSU	1w	39	54	16,21,22	1.37	1 (6%)	20,30,33	3.60	7 (35%)
54	7MG	1w	46	54	20,26,27	1.55	2 (10%)	22,39,42	2.97	5 (22%)
54	5MU	1w	54	54	14,22,23	0.78	0	16,32,35	2.26	3 (18%)
54	PSU	1w	55	54	16,21,22	1.19	1 (6%)	20,30,33	3.85	6 (30%)
54	4SU	1w	8	54	14,21,22	1.23	1 (7%)	15,30,33	1.56	2 (13%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
55	5MC	1x	32	55	15,22,23	1.42	1 (6%)	17,32,35	1.24	2 (11%)
55	5MU	1x	54	55,56	14,22,23	0.82	0	16,32,35	2.48	3 (18%)
55	PSU	1x	55	55,56	16,21,22	1.53	2 (12%)	20,30,33	3.61	7 (35%)
55	4SU	1x	8	55	14,21,22	1.34	2 (14%)	15,30,33	3.02	2 (13%)
54	PSU	1y	32	54	16,21,22	1.14	1 (6%)	20,30,33	3.69	6 (30%)
54	MIA	1y	37	54	18,24,32	1.23	2 (11%)	17,35,47	1.92	2 (11%)
54	PSU	1y	39	54	16,21,22	1.28	1 (6%)	20,30,33	3.63	6 (30%)
54	7MG	1y	46	54	20,26,27	1.71	2 (10%)	22,39,42	2.98	6 (27%)
54	5MU	1y	54	54	14,22,23	0.82	1 (7%)	16,32,35	2.37	3 (18%)
54	PSU	1y	55	54	16,21,22	1.47	1 (6%)	20,30,33	3.61	7 (35%)
54	4SU	1y	8	54	14,21,22	1.22	1 (7%)	15,30,33	1.73	2 (13%)
1	PSU	2A	1911	1	16,21,22	1.32	1 (6%)	20,30,33	3.75	6 (30%)
1	5MU	2A	1915	1	14,22,23	0.71	0	16,32,35	2.07	3 (18%)
1	PSU	2A	1917	1	16,21,22	1.43	1 (6%)	20,30,33	3.68	6 (30%)
1	4OC	2A	1920	1	15,22,24	0.75	0	19,31,35	0.86	0
1	5MU	2A	1939	1,56	14,22,23	0.80	1 (7%)	16,32,35	2.00	3 (18%)
1	5MC	2A	1942	1	15,22,23	1.30	1 (6%)	17,32,35	1.33	3 (17%)
1	5MC	2A	1962	1,56	15,22,23	1.35	1 (6%)	17,32,35	1.33	2 (11%)
1	OMG	2A	2251	1,55,56	18,26,27	1.28	2 (11%)	22,38,41	2.05	6 (27%)
1	2MA	2A	2503	1,56	18,25,26	1.47	4 (22%)	17,37,40	1.60	2 (11%)
1	2MU	2A	2552	1,56	14,22,24	1.12	1 (7%)	18,31,36	2.09	1 (5%)
1	PSU	2A	2605	1	16,21,22	1.19	1 (6%)	20,30,33	3.20	6 (30%)
32	2MG	2a	1207	32	19,26,27	1.29	2 (10%)	20,38,41	2.29	7 (35%)
32	5MC	2a	1400	32	15,22,23	1.44	1 (6%)	17,32,35	1.12	2 (11%)
32	4OC	2a	1402	32,56	16,23,24	0.70	0	19,32,35	1.39	2 (10%)
32	5MC	2a	1404	32	15,22,23	1.43	1 (6%)	17,32,35	1.12	2 (11%)
32	5MC	2a	1407	32	15,22,23	1.40	1 (6%)	17,32,35	0.98	1 (5%)
32	UR3	2a	1498	32	14,22,23	0.81	0	16,32,35	0.75	0
32	MA6	2a	1518	32	16,26,27	1.01	1 (6%)	18,38,41	2.41	6 (33%)
32	MA6	2a	1519	32	16,26,27	1.06	1 (6%)	18,38,41	2.43	5 (27%)
32	PSU	2a	516	32	16,21,22	1.19	1 (6%)	20,30,33	3.68	7 (35%)
32	7MG	2a	527	32,56	20,26,27	1.81	2 (10%)	22,39,42	2.62	5 (22%)
32	M2G	2a	966	32	20,27,28	1.42	3 (15%)	21,40,43	2.24	6 (28%)
32	5MC	2a	967	32	15,22,23	1.61	2 (13%)	17,32,35	0.92	1 (5%)
43	0TD	2l	92	43	5,9,10	3.42	2 (40%)	3,11,13	3.20	1 (33%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
54	PSU	2w	32	54	16,21,22	1.39	1 (6%)	20,30,33	3.55	6 (30%)
54	MIA	2w	37	54	20,27,32	1.80	3 (15%)	21,39,47	1.63	6 (28%)
54	PSU	2w	39	54	16,21,22	1.29	1 (6%)	20,30,33	3.71	7 (35%)
54	7MG	2w	46	54	20,26,27	1.71	2 (10%)	22,39,42	2.51	4 (18%)
54	5MU	2w	54	54	14,22,23	0.71	0	16,32,35	2.54	2 (12%)
54	PSU	2w	55	54,56	16,21,22	1.14	1 (6%)	20,30,33	3.79	6 (30%)
54	4SU	2w	8	54	14,21,22	1.27	1 (7%)	15,30,33	1.22	2 (13%)
55	5MC	2x	32	55	15,22,23	1.33	1 (6%)	17,32,35	1.13	1 (5%)
55	5MU	2x	54	55	14,22,23	0.75	0	16,32,35	2.20	3 (18%)
55	PSU	2x	55	55	16,21,22	1.35	1 (6%)	20,30,33	3.63	7 (35%)
55	4SU	2x	8	55	14,21,22	1.27	2 (14%)	15,30,33	2.45	2 (13%)
54	PSU	2y	32	54	16,21,22	1.19	1 (6%)	20,30,33	3.57	6 (30%)
54	MIA	2y	37	54	18,24,32	1.19	2 (11%)	17,35,47	1.92	2 (11%)
54	PSU	2y	39	54	16,21,22	1.42	1 (6%)	20,30,33	3.79	6 (30%)
54	7MG	2y	46	54	20,26,27	1.88	3 (15%)	22,39,42	3.37	8 (36%)
54	5MU	2y	54	54	14,22,23	0.73	0	16,32,35	2.39	2 (12%)
54	PSU	2y	55	54	16,21,22	1.30	2 (12%)	20,30,33	3.77	7 (35%)
54	4SU	2y	8	54	14,21,22	1.33	1 (7%)	15,30,33	1.49	2 (13%)

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
1	PSU	1A	1933	1	-	0/7/25/26	0/2/2/2
1	5MU	1A	1937	1	-	0/3/25/26	0/2/2/2
1	PSU	1A	1939	1	-	0/7/25/26	0/2/2/2
1	4OC	1A	1942	1	-	0/5/27/30	0/2/2/2
1	5MU	1A	1961	1,56	-	0/3/25/26	0/2/2/2
1	5MC	1A	1964	1,56	-	0/3/25/26	0/2/2/2
1	5MC	1A	1984	1,56	-	0/3/25/26	0/2/2/2
1	OMG	1A	2263	1,55,56	-	0/5/27/28	0/3/3/3
1	2MA	1A	2515	1,56	-	0/3/25/26	0/3/3/3
1	2MU	1A	2564	1,56	-	0/5/27/28	0/2/2/2
1	PSU	1A	2617	1,56	-	0/7/25/26	0/2/2/2
32	2MG	1a	1207	32	-	0/5/27/28	0/3/3/3
32	5MC	1a	1400	32	-	0/3/25/26	0/2/2/2

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
32	4OC	1a	1402	32	-	0/7/29/30	0/2/2/2
32	5MC	1a	1404	32	-	0/3/25/26	0/2/2/2
32	5MC	1a	1407	32	-	0/3/25/26	0/2/2/2
32	UR3	1a	1498	32	-	0/3/25/26	0/2/2/2
32	MA6	1a	1518	32	-	0/7/29/30	0/3/3/3
32	MA6	1a	1519	32	-	0/7/29/30	0/3/3/3
32	PSU	1a	516	32	-	0/7/25/26	0/2/2/2
32	7MG	1a	527	32,56	-	0/7/37/38	0/3/3/3
32	M2G	1a	966	32	-	0/7/29/30	0/3/3/3
32	5MC	1a	967	32	-	0/3/25/26	0/2/2/2
43	0TD	1l	92	43	-	0/2/12/14	0/0/0/0
54	PSU	1w	32	54,56	-	0/7/25/26	0/2/2/2
54	MIA	1w	37	54	-	0/11/33/34	0/3/3/3
54	PSU	1w	39	54	-	0/7/25/26	0/2/2/2
54	7MG	1w	46	54	-	0/7/37/38	0/3/3/3
54	5MU	1w	54	54	-	0/3/25/26	0/2/2/2
54	PSU	1w	55	54	-	0/7/25/26	0/2/2/2
54	4SU	1w	8	54	-	0/3/25/26	0/2/2/2
55	5MC	1x	32	55	-	0/3/25/26	0/2/2/2
55	5MU	1x	54	55,56	-	0/3/25/26	0/2/2/2
55	PSU	1x	55	55,56	-	0/7/25/26	0/2/2/2
55	4SU	1x	8	55	-	0/3/25/26	0/2/2/2
54	PSU	1y	32	54	-	0/7/25/26	0/2/2/2
54	MIA	1y	37	54	-	0/3/25/34	0/3/3/3
54	PSU	1y	39	54	-	0/7/25/26	0/2/2/2
54	7MG	1y	46	54	-	0/7/37/38	0/3/3/3
54	5MU	1y	54	54	-	0/3/25/26	0/2/2/2
54	PSU	1y	55	54	-	0/7/25/26	0/2/2/2
54	4SU	1y	8	54	-	0/3/25/26	0/2/2/2
1	PSU	2A	1911	1	-	0/7/25/26	0/2/2/2
1	5MU	2A	1915	1	-	0/3/25/26	0/2/2/2
1	PSU	2A	1917	1	-	0/7/25/26	0/2/2/2
1	4OC	2A	1920	1	-	0/5/27/30	0/2/2/2
1	5MU	2A	1939	1,56	-	0/3/25/26	0/2/2/2
1	5MC	2A	1942	1	-	0/3/25/26	0/2/2/2
1	5MC	2A	1962	1,56	-	0/3/25/26	0/2/2/2
1	OMG	2A	2251	1,55,56	-	0/5/27/28	0/3/3/3
1	2MA	2A	2503	1,56	-	0/3/25/26	0/3/3/3
1	2MU	2A	2552	1,56	-	0/5/27/28	0/2/2/2
1	PSU	2A	2605	1	-	0/7/25/26	0/2/2/2
32	2MG	2a	1207	32	-	0/5/27/28	0/3/3/3
32	5MC	2a	1400	32	-	0/3/25/26	0/2/2/2

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
32	4OC	2a	1402	32,56	-	0/7/29/30	0/2/2/2
32	5MC	2a	1404	32	-	0/3/25/26	0/2/2/2
32	5MC	2a	1407	32	-	0/3/25/26	0/2/2/2
32	UR3	2a	1498	32	-	0/3/25/26	0/2/2/2
32	MA6	2a	1518	32	-	0/7/29/30	0/3/3/3
32	MA6	2a	1519	32	-	0/7/29/30	0/3/3/3
32	PSU	2a	516	32	-	0/7/25/26	0/2/2/2
32	7MG	2a	527	32,56	-	0/7/37/38	0/3/3/3
32	M2G	2a	966	32	-	0/7/29/30	0/3/3/3
32	5MC	2a	967	32	-	0/3/25/26	0/2/2/2
43	0TD	2l	92	43	-	0/2/12/14	0/0/0/0
54	PSU	2w	32	54	-	0/7/25/26	0/2/2/2
54	MIA	2w	37	54	-	0/7/29/34	0/3/3/3
54	PSU	2w	39	54	-	0/7/25/26	0/2/2/2
54	7MG	2w	46	54	-	0/7/37/38	0/3/3/3
54	5MU	2w	54	54	-	0/3/25/26	0/2/2/2
54	PSU	2w	55	54,56	-	0/7/25/26	0/2/2/2
54	4SU	2w	8	54	-	0/3/25/26	0/2/2/2
55	5MC	2x	32	55	-	0/3/25/26	0/2/2/2
55	5MU	2x	54	55	-	0/3/25/26	0/2/2/2
55	PSU	2x	55	55	-	0/7/25/26	0/2/2/2
55	4SU	2x	8	55	-	0/3/25/26	0/2/2/2
54	PSU	2y	32	54	-	0/7/25/26	0/2/2/2
54	MIA	2y	37	54	-	0/3/25/34	0/3/3/3
54	PSU	2y	39	54	-	0/7/25/26	0/2/2/2
54	7MG	2y	46	54	-	0/7/37/38	0/3/3/3
54	5MU	2y	54	54	-	0/3/25/26	0/2/2/2
54	PSU	2y	55	54	-	0/7/25/26	0/2/2/2
54	4SU	2y	8	54	-	0/3/25/26	0/2/2/2

The worst 5 of 115 bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
43	2l	92	0TD	CB-SB	-6.86	1.67	1.84
54	1w	37	MIA	C2-S10	-6.85	1.70	1.75
43	1l	92	0TD	CB-SB	-6.82	1.67	1.84
54	2w	37	MIA	C2-S10	-6.08	1.70	1.75
1	1A	2617	PSU	C5-C1'	-5.47	1.47	1.52

The worst 5 of 328 bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
54	2y	55	PSU	N1-C2-N3	-10.53	120.82	128.40
54	2w	39	PSU	N1-C2-N3	-10.29	121.00	128.40
32	2a	516	PSU	N1-C2-N3	-10.08	121.15	128.40
32	1a	516	PSU	N1-C2-N3	-10.02	121.19	128.40
1	2A	1911	PSU	N1-C2-N3	-9.95	121.24	128.40

There are no chirality outliers.

There are no torsion outliers.

There are no ring outliers.

10 monomers are involved in 13 short contacts:

Mol	Chain	Res	Type	Clashes	Symm-Clashes
1	1A	1939	PSU	1	0
1	1A	1961	5MU	1	0
1	1A	2564	2MU	2	0
1	2A	1911	PSU	1	0
1	2A	1915	5MU	1	0
1	2A	1917	PSU	1	0
1	2A	1920	4OC	2	0
1	2A	2251	OMG	1	0
1	2A	2503	2MA	2	0
1	2A	2552	2MU	1	0

5.5 Carbohydrates [i](#)

There are no carbohydrates in this entry.

5.6 Ligand geometry [i](#)

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

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

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\# Z > 2$	Counts	RMSZ	$\# Z > 2$
59	SF4	1d	501	35	0,12,12	0.00	-	0,24,24	0.00	-

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
59	SF4	2d	501	35	0,12,12	0.00	-	0,24,24	0.00	-

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

Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
59	SF4	1d	501	35	-	0/0/48/48	0/6/5/5
59	SF4	2d	501	35	-	0/0/48/48	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 ⓘ

There are no such residues in this entry.

5.8 Polymer linkage issues ⓘ

There are no chain breaks in this entry.

6 Fit of model and data i

6.1 Protein, DNA and RNA chains i

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

Mol	Chain	Analysed	<RSRZ>	#RSRZ>2			OWAB(Å ²)	Q<0.9
1	1A	2860/2915 (98%)	0.70	77 (2%)	55	58	24, 43, 91, 103	0
1	2A	2789/2915 (95%)	0.09	81 (2%)	52	55	28, 48, 89, 106	0
2	1B	120/121 (99%)	0.63	0	100	100	39, 61, 72, 90	0
2	2B	120/121 (99%)	-0.04	2 (1%)	70	72	45, 68, 77, 91	0
3	1D	275/276 (99%)	0.64	4 (1%)	74	75	25, 42, 58, 80	0
3	2D	275/276 (99%)	0.45	4 (1%)	74	75	28, 45, 61, 78	0
4	1E	204/206 (99%)	0.68	3 (1%)	74	75	23, 46, 66, 80	0
4	2E	204/206 (99%)	0.60	5 (2%)	58	60	26, 50, 67, 80	0
5	1F	203/210 (96%)	0.84	2 (0%)	82	83	22, 51, 76, 91	0
5	2F	203/210 (96%)	0.28	1 (0%)	90	91	27, 56, 76, 91	0
6	1G	181/182 (99%)	0.65	4 (2%)	62	64	48, 69, 80, 92	0
6	2G	181/182 (99%)	1.21	37 (20%)	1	1	54, 73, 81, 93	0
7	1H	174/180 (96%)	0.65	1 (0%)	89	89	47, 64, 74, 83	0
7	2H	174/180 (96%)	1.85	64 (36%)	0	0	54, 70, 78, 83	0
8	1I	146/148 (98%)	0.50	6 (4%)	38	40	49, 73, 82, 85	0
8	2I	146/148 (98%)	0.86	18 (12%)	5	4	50, 73, 82, 86	0
9	1N	140/140 (100%)	0.92	1 (0%)	87	88	31, 48, 67, 77	0
9	2N	140/140 (100%)	0.61	5 (3%)	43	45	37, 53, 71, 80	0
10	1O	122/122 (100%)	0.46	1 (0%)	86	86	23, 40, 60, 74	0
10	2O	122/122 (100%)	0.90	9 (7%)	15	15	45, 59, 72, 81	0
11	1P	149/150 (99%)	0.85	1 (0%)	87	88	24, 53, 75, 81	0
11	2P	149/150 (99%)	0.59	12 (8%)	13	12	29, 58, 76, 85	0
12	1Q	141/141 (100%)	0.79	2 (1%)	75	76	33, 51, 68, 77	0
12	2Q	141/141 (100%)	1.02	17 (12%)	5	4	37, 56, 73, 79	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
13	1R	118/118 (100%)	0.67	1 (0%) 86 86	29, 40, 55, 62	0
13	2R	118/118 (100%)	0.37	2 (1%) 70 72	31, 43, 58, 65	0
14	1S	110/112 (98%)	0.76	2 (1%) 69 70	49, 62, 72, 77	0
14	2S	110/112 (98%)	0.88	11 (10%) 8 7	55, 66, 75, 79	0
15	1T	131/146 (89%)	0.59	4 (3%) 49 52	38, 51, 72, 77	0
15	2T	131/146 (89%)	0.52	3 (2%) 61 63	43, 53, 74, 78	0
16	1U	116/118 (98%)	1.04	3 (2%) 56 59	26, 39, 55, 73	0
16	2U	116/118 (98%)	0.27	1 (0%) 84 85	33, 46, 61, 73	0
17	1V	101/101 (100%)	0.94	1 (0%) 82 83	28, 51, 67, 76	0
17	2V	101/101 (100%)	0.29	3 (2%) 51 53	33, 57, 70, 76	0
18	1W	112/113 (99%)	0.92	1 (0%) 84 85	26, 37, 55, 88	0
18	2W	112/113 (99%)	0.34	0 100 100	30, 41, 57, 88	0
19	1X	95/96 (98%)	0.81	1 (1%) 80 81	30, 44, 63, 75	0
19	2X	95/96 (98%)	0.28	1 (1%) 80 81	34, 49, 65, 76	0
20	1Y	107/110 (97%)	0.79	2 (1%) 67 69	45, 57, 74, 83	0
20	2Y	107/110 (97%)	0.94	15 (14%) 3 3	48, 61, 76, 86	0
21	1Z	154/206 (74%)	0.63	8 (5%) 28 29	38, 64, 86, 96	0
21	2Z	160/206 (77%)	1.53	44 (27%) 1 0	72, 83, 93, 99	0
22	10	83/85 (97%)	0.77	3 (3%) 43 45	25, 38, 59, 71	0
22	20	83/85 (97%)	0.91	6 (7%) 16 16	41, 66, 78, 82	0
23	11	97/98 (98%)	0.53	2 (2%) 64 66	23, 44, 71, 77	0
23	21	97/98 (98%)	0.79	6 (6%) 21 22	38, 58, 74, 82	0
24	12	70/72 (97%)	0.82	1 (1%) 75 76	40, 57, 66, 79	0
24	22	70/72 (97%)	0.19	1 (1%) 75 76	46, 61, 69, 78	0
25	13	59/60 (98%)	0.89	0 100 100	29, 45, 69, 83	0
25	23	59/60 (98%)	0.52	1 (1%) 70 72	36, 51, 72, 87	0
26	14	69/71 (97%)	0.69	7 (10%) 8 7	64, 79, 89, 97	0
26	24	69/71 (97%)	1.17	14 (20%) 1 1	70, 80, 89, 97	0
27	15	59/60 (98%)	0.97	1 (1%) 70 72	25, 36, 57, 72	0
27	25	59/60 (98%)	0.21	0 100 100	30, 40, 60, 71	0
28	16	53/54 (98%)	0.71	0 100 100	38, 51, 64, 74	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
28	26	53/54 (98%)	0.67	4 (7%) 15 15	42, 54, 65, 71	0
29	17	48/49 (97%)	0.92	3 (6%) 21 21	24, 31, 58, 69	0
29	27	48/49 (97%)	0.70	4 (8%) 12 12	28, 35, 58, 70	0
30	18	64/65 (98%)	0.84	2 (3%) 49 52	33, 42, 50, 66	0
30	28	64/65 (98%)	0.85	4 (6%) 21 21	38, 46, 53, 67	0
31	19	37/37 (100%)	0.88	0 100 100	37, 50, 67, 68	0
31	29	37/37 (100%)	1.58	9 (24%) 1 0	46, 54, 71, 72	0
32	1a	1488/1521 (97%)	0.38	48 (3%) 48 51	42, 72, 92, 103	0
32	2a	1491/1521 (98%)	0.43	77 (5%) 28 29	44, 74, 93, 103	0
33	1b	231/256 (90%)	0.50	12 (5%) 28 29	69, 82, 89, 94	0
33	2b	231/256 (90%)	1.27	58 (25%) 1 0	72, 83, 89, 94	0
34	1c	206/239 (86%)	0.83	20 (9%) 8 8	67, 80, 86, 92	0
34	2c	206/239 (86%)	1.81	79 (38%) 0 0	69, 82, 88, 93	0
35	1d	208/209 (99%)	0.93	25 (12%) 5 4	56, 72, 80, 87	0
35	2d	208/209 (99%)	1.13	31 (14%) 3 2	58, 71, 80, 88	0
36	1e	148/162 (91%)	0.88	14 (9%) 9 8	56, 72, 80, 86	0
36	2e	148/162 (91%)	1.66	43 (29%) 1 0	59, 74, 83, 87	0
37	1f	100/101 (99%)	0.31	1 (1%) 82 83	50, 66, 76, 78	0
37	2f	100/101 (99%)	0.21	1 (1%) 82 83	60, 72, 80, 86	0
38	1g	155/156 (99%)	0.88	17 (10%) 6 5	62, 74, 83, 100	0
38	2g	155/156 (99%)	1.02	24 (15%) 2 2	65, 76, 84, 102	0
39	1h	137/138 (99%)	0.65	7 (5%) 29 30	60, 72, 78, 83	0
39	2h	137/138 (99%)	1.15	28 (20%) 1 1	64, 74, 80, 84	0
40	1i	127/128 (99%)	1.09	23 (18%) 1 1	51, 75, 83, 87	0
40	2i	127/128 (99%)	2.38	68 (53%) 0 0	71, 85, 91, 92	0
41	1j	97/105 (92%)	0.89	13 (13%) 4 3	59, 78, 90, 95	0
41	2j	96/105 (91%)	2.16	47 (48%) 0 0	74, 87, 94, 98	0
42	1k	114/129 (88%)	0.65	4 (3%) 44 47	52, 69, 80, 83	0
42	2k	114/129 (88%)	0.57	5 (4%) 35 37	55, 71, 81, 87	0
43	1l	121/132 (91%)	0.62	3 (2%) 58 60	53, 64, 74, 77	0
43	2l	121/132 (91%)	1.34	30 (24%) 1 0	55, 67, 75, 80	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
44	1m	123/126 (97%)	0.60	7 (5%) 24 25	54, 69, 78, 82	0
44	2m	122/126 (96%)	1.65	39 (31%) 0 0	73, 84, 90, 94	0
45	1n	60/61 (98%)	1.14	10 (16%) 2 1	57, 69, 78, 82	0
45	2n	60/61 (98%)	3.36	47 (78%) 0 0	78, 85, 93, 95	0
46	1o	88/89 (98%)	0.61	5 (5%) 24 25	56, 69, 78, 83	0
46	2o	88/89 (98%)	0.59	5 (5%) 24 25	57, 70, 80, 83	0
47	1p	82/88 (93%)	1.76	31 (37%) 0 0	58, 70, 80, 83	0
47	2p	82/88 (93%)	1.01	9 (10%) 6 5	59, 69, 81, 82	0
48	1q	99/105 (94%)	0.79	7 (7%) 17 17	57, 70, 79, 82	0
48	2q	99/105 (94%)	1.22	25 (25%) 1 0	60, 70, 79, 82	0
49	1r	68/88 (77%)	0.56	5 (7%) 15 15	60, 68, 79, 82	0
49	2r	68/88 (77%)	0.50	5 (7%) 15 15	60, 70, 80, 82	0
50	1s	83/93 (89%)	0.74	4 (4%) 31 32	70, 79, 86, 91	0
50	2s	83/93 (89%)	2.16	37 (44%) 0 0	74, 81, 88, 94	0
51	1t	96/106 (90%)	1.38	29 (30%) 1 0	58, 71, 80, 86	0
51	2t	96/106 (90%)	1.04	16 (16%) 2 1	59, 71, 81, 85	0
52	1u	23/27 (85%)	1.43	7 (30%) 0 0	65, 74, 78, 80	0
52	2u	23/27 (85%)	1.99	8 (34%) 0 0	68, 75, 80, 83	0
53	1v	13/24 (54%)	2.66	7 (53%) 0 0	60, 74, 92, 98	0
53	2v	13/24 (54%)	3.36	8 (61%) 0 0	65, 78, 95, 98	0
54	1w	67/76 (88%)	1.86	19 (28%) 1 0	44, 89, 97, 101	0
54	1y	67/76 (88%)	0.99	13 (19%) 1 1	37, 91, 97, 101	0
54	2w	65/76 (85%)	2.68	41 (63%) 0 0	56, 96, 101, 104	0
54	2y	66/76 (86%)	1.20	14 (21%) 1 1	51, 95, 99, 100	0
55	1x	72/77 (93%)	0.31	2 (2%) 53 56	33, 66, 84, 87	0
55	2x	72/77 (93%)	0.23	1 (1%) 75 76	52, 81, 90, 95	0
All	All	20875/21748 (95%)	0.69	1607 (7%) 14 14	22, 63, 89, 106	0

The worst 5 of 1607 RSRZ outliers are listed below:

Mol	Chain	Res	Type	RSRZ
45	2n	25	VAL	12.7
38	2g	82	GLY	10.8

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Mol	Chain	Res	Type	RSRZ
44	1m	124	PRO	10.1
44	2m	124	PRO	10.0
54	2w	71	G	9.6

6.2 Non-standard residues in protein, DNA, RNA chains

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. LLDF column lists the quality of electron density of the group with respect to its neighbouring residues in protein, DNA or RNA chains. 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	LLDF	B-factors(Å ²)	Q<0.9
54	7MG	1w	46	24/25	0.78	0.20	-	76,90,101,124	0
32	5MC	2a	1404	21/22	0.92	0.21	-	47,59,74,77	0
1	2MU	2A	2552	21/23	0.97	0.20	-	28,38,46,52	0
1	4OC	1A	1942	21/23	0.96	0.20	-	42,55,61,65	0
1	2MA	1A	2515	23/24	0.98	0.24	-	20,26,31,34	0
1	5MU	2A	1915	21/22	0.91	0.18	-	64,72,79,93	0
43	0TD	1l	92	10/11	0.87	0.23	-	61,64,70,74	0
32	2MG	2a	1207	24/25	0.85	0.17	-	74,85,90,98	0
54	PSU	2w	32	20/21	0.90	0.32	-	69,85,94,103	0
1	2MA	2A	2503	23/24	0.98	0.20	-	25,30,35,37	0
54	PSU	1w	39	20/21	0.93	0.23	-	50,70,80,83	0
1	PSU	2A	2605	20/21	0.97	0.18	-	25,33,40,42	0
32	PSU	2a	516	20/21	0.92	0.15	-	65,72,79,83	0
54	PSU	2w	39	20/21	0.91	0.33	-	80,88,96,102	0
1	PSU	1A	2617	20/21	0.98	0.20	-	24,31,37,39	0
32	MA6	1a	1519	24/25	0.97	0.21	-	39,48,57,71	0
54	MIA	1y	37	22/30	0.87	0.23	-	76,83,93,94	0
32	5MC	1a	1404	21/22	0.97	0.19	-	32,43,50,53	0
1	5MC	1A	1964	21/22	0.97	0.21	-	38,47,52,60	0
32	7MG	1a	527	24/25	0.96	0.19	-	40,50,60,67	0
1	5MU	1A	1937	21/22	0.95	0.18	-	56,67,75,82	0
32	4OC	1a	1402	22/23	0.97	0.18	-	37,47,55,61	0
1	OMG	1A	2263	24/25	0.97	0.22	-	22,32,39,44	0
54	5MU	1w	54	21/22	0.94	0.16	-	55,67,78,79	0
1	2MU	1A	2564	21/23	0.98	0.22	-	26,36,40,46	0
54	MIA	2y	37	22/30	0.76	0.27	-	72,86,94,120	0
54	PSU	2w	55	20/21	0.76	0.29	-	80,94,98,113	0
54	5MU	2y	54	21/22	0.71	0.31	-	79,93,108,123	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors(\AA^2)	Q<0.9
32	7MG	2a	527	24/25	0.94	0.19	-	61,70,77,88	0
54	4SU	2w	8	20/21	0.75	0.30	-	81,98,120,128	0
1	5MC	1A	1984	21/22	0.98	0.18	-	31,38,48,57	0
32	5MC	1a	1400	21/22	0.98	0.19	-	39,53,61,67	0
1	5MC	2A	1962	21/22	0.96	0.18	-	28,43,52,59	0
54	5MU	2w	54	21/22	0.86	0.21	-	66,85,93,101	0
1	5MU	1A	1961	21/22	0.98	0.19	-	21,33,38,44	0
54	PSU	2y	39	20/21	0.85	0.23	-	78,84,100,112	0
54	PSU	1y	55	20/21	0.72	0.20	-	72,89,99,120	0
32	MA6	2a	1519	24/25	0.95	0.26	-	47,65,74,81	0
54	PSU	1y	39	20/21	0.91	0.18	-	71,81,89,95	0
1	5MU	2A	1939	21/22	0.97	0.17	-	24,34,41,46	0
32	5MC	2a	967	21/22	0.90	0.19	-	62,71,79,86	0
32	UR3	1a	1498	21/22	0.98	0.18	-	38,43,50,54	0
55	5MU	1x	54	21/22	0.95	0.14	-	57,71,79,83	0
32	5MC	2a	1400	21/22	0.96	0.23	-	70,74,80,93	0
32	5MC	1a	967	21/22	0.96	0.21	-	51,58,67,70	0
32	5MC	1a	1407	21/22	0.97	0.19	-	34,42,56,62	0
1	5MC	2A	1942	21/22	0.97	0.16	-	45,50,58,61	0
54	4SU	1y	8	20/21	0.79	0.23	-	80,98,105,114	0
54	PSU	1w	32	20/21	0.93	0.20	-	59,72,79,83	0
55	5MC	1x	32	21/22	0.96	0.21	-	44,54,67,73	0
54	7MG	2y	46	24/25	0.65	0.20	-	68,95,99,128	0
54	7MG	1y	46	24/25	0.83	0.24	-	76,95,106,115	0
32	2MG	1a	1207	24/25	0.93	0.14	-	62,72,76,80	0
54	MIA	2w	37	25/30	0.88	0.29	-	70,82,91,110	0
1	PSU	2A	1917	20/21	0.94	0.21	-	56,65,75,76	0
54	5MU	1y	54	21/22	0.79	0.20	-	76,87,95,116	0
54	4SU	1w	8	20/21	0.83	0.20	-	75,86,105,114	0
54	PSU	2y	55	20/21	0.77	0.28	-	80,96,115,118	0
32	PSU	1a	516	20/21	0.94	0.16	-	63,70,78,78	0
32	MA6	1a	1518	24/25	0.97	0.21	-	31,47,51,57	0
55	PSU	2x	55	20/21	0.88	0.18	-	69,84,106,107	0
54	PSU	1y	32	20/21	0.84	0.23	-	69,87,94,95	0
1	PSU	1A	1933	20/21	0.97	0.21	-	49,59,62,66	0
1	OMG	2A	2251	24/25	0.97	0.17	-	27,36,44,46	0
1	PSU	2A	1911	20/21	0.93	0.17	-	56,60,66,70	0
32	M2G	2a	966	25/26	0.87	0.22	-	52,69,95,99	0
54	4SU	2y	8	20/21	0.83	0.12	-	87,94,106,113	0
55	4SU	2x	8	20/21	0.84	0.16	-	74,85,90,96	0
32	4OC	2a	1402	22/23	0.92	0.17	-	45,63,71,90	0
54	7MG	2w	46	24/25	0.77	0.24	-	83,96,107,134	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors(\AA^2)	Q<0.9
32	UR3	2a	1498	21/22	0.95	0.20	-	48,58,62,68	0
43	0TD	2l	92	10/11	0.93	0.23	-	65,68,73,79	0
54	PSU	2y	32	20/21	0.77	0.21	-	73,89,97,108	0
55	PSU	1x	55	20/21	0.94	0.16	-	56,67,81,87	0
55	5MC	2x	32	21/22	0.92	0.19	-	65,78,87,88	0
54	PSU	1w	55	20/21	0.80	0.22	-	72,81,90,98	0
55	4SU	1x	8	20/21	0.96	0.17	-	46,60,69,73	0
32	MA6	2a	1518	24/25	0.95	0.20	-	41,63,74,82	0
1	PSU	1A	1939	20/21	0.95	0.23	-	53,60,71,72	0
54	MIA	1w	37	29/30	0.93	0.22	-	43,62,74,78	0
55	5MU	2x	54	21/22	0.86	0.24	-	71,87,95,100	0
32	5MC	2a	1407	21/22	0.95	0.20	-	48,57,69,76	0
32	M2G	1a	966	25/26	0.96	0.20	-	41,55,61,77	0
1	4OC	2A	1920	21/23	0.95	0.23	-	46,57,62,72	0

6.3 Carbohydrates [i](#)

There are no carbohydrates 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. LLDF column lists the quality of electron density of the group with respect to its neighbouring residues in protein, DNA or RNA chains. 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	LLDF	B-factors(\AA^2)	Q<0.9
56	MG	1B	3010	1/1	0.88	0.82	35.83	73,73,73,73	0
56	MG	1A	3016	1/1	0.86	0.33	26.20	51,51,51,51	0
56	MG	2A	3165	1/1	0.93	0.35	22.86	49,49,49,49	0
56	MG	2F	304	1/1	0.97	0.50	22.20	53,53,53,53	0
56	MG	1A	3162	1/1	0.96	0.43	21.27	44,44,44,44	0
56	MG	1A	3354	1/1	0.96	0.38	20.12	68,68,68,68	0
56	MG	2A	3906	1/1	0.87	0.66	18.72	62,62,62,62	0
56	MG	1A	3306	1/1	0.97	0.47	18.44	38,38,38,38	0
56	MG	1A	3189	1/1	0.88	0.41	18.38	43,43,43,43	0
56	MG	1A	3857	1/1	0.91	0.36	16.91	48,48,48,48	0
56	MG	2A	3468	1/1	0.88	0.30	16.35	59,59,59,59	0
56	MG	1A	4141	1/1	0.98	0.36	16.01	50,50,50,50	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors(\AA^2)	Q<0.9
56	MG	2A	3687	1/1	0.90	0.37	15.51	63,63,63,63	0
56	MG	2A	3493	1/1	0.86	0.38	14.78	53,53,53,53	0
56	MG	1N	201	1/1	0.87	0.61	12.72	59,59,59,59	0
56	MG	2a	3091	1/1	0.93	0.42	12.65	76,76,76,76	0
56	MG	1a	1699	1/1	0.95	0.28	11.93	40,40,40,40	0
56	MG	2A	3167	1/1	0.90	0.27	11.53	52,52,52,52	0
56	MG	2A	3444	1/1	0.95	0.29	11.26	49,49,49,49	0
56	MG	2A	3886	1/1	0.92	0.29	11.20	45,45,45,45	0
56	MG	1A	3803	1/1	0.97	0.39	11.14	44,44,44,44	0
56	MG	1A	3309	1/1	0.97	0.29	10.80	33,33,33,33	0
56	MG	2A	3677	1/1	0.98	0.32	10.71	35,35,35,35	0
56	MG	2a	3208	1/1	0.96	0.30	10.69	75,75,75,75	0
56	MG	1N	204	1/1	0.96	0.51	10.49	64,64,64,64	0
56	MG	2A	3486	1/1	0.98	0.36	10.10	55,55,55,55	0
56	MG	1U	202	1/1	0.73	0.49	9.97	73,73,73,73	0
56	MG	1A	4078	1/1	0.97	0.33	9.70	41,41,41,41	0
56	MG	1A	3865	1/1	0.96	0.36	9.57	43,43,43,43	0
56	MG	2A	3449	1/1	0.95	0.38	9.47	47,47,47,47	0
56	MG	2A	3096	1/1	0.84	0.26	9.43	59,59,59,59	0
56	MG	1A	3809	1/1	0.98	0.31	9.16	51,51,51,51	0
56	MG	2A	3455	1/1	0.91	0.30	8.94	54,54,54,54	0
56	MG	1A	3509	1/1	0.96	0.30	8.86	45,45,45,45	0
56	MG	1A	3307	1/1	0.89	0.32	8.86	45,45,45,45	0
56	MG	1Y	504	1/1	0.97	0.41	8.84	48,48,48,48	0
56	MG	1A	4124	1/1	0.95	0.36	8.55	46,46,46,46	0
56	MG	1A	4076	1/1	0.61	0.29	8.47	75,75,75,75	0
56	MG	2A	3003	1/1	0.95	0.28	8.38	43,43,43,43	0
56	MG	1A	3578	1/1	0.97	0.28	8.32	33,33,33,33	0
56	MG	2A	3092	1/1	0.98	0.27	8.24	43,43,43,43	0
56	MG	2A	3191	1/1	0.92	0.21	8.14	50,50,50,50	0
56	MG	1A	3013	1/1	0.95	0.33	7.84	35,35,35,35	0
56	MG	2A	3856	1/1	0.93	0.32	7.82	41,41,41,41	0
56	MG	2A	3083	1/1	0.98	0.43	7.77	49,49,49,49	0
56	MG	1A	3311	1/1	0.97	0.25	7.41	48,48,48,48	0
56	MG	1A	3603	1/1	0.95	0.28	7.35	39,39,39,39	0
56	MG	1A	3200	1/1	0.98	0.27	6.91	23,23,23,23	0
56	MG	2A	3409	1/1	0.98	0.23	6.78	47,47,47,47	0
56	MG	1A	3842	1/1	0.97	0.27	6.75	26,26,26,26	0
56	MG	2D	304	1/1	0.87	0.36	6.71	45,45,45,45	0
58	ZN	25	102	1/1	0.97	0.31	6.63	68,68,68,68	0
56	MG	1A	3194	1/1	0.97	0.27	6.57	43,43,43,43	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors(\AA^2)	Q<0.9
56	MG	2A	3900	1/1	0.96	0.34	6.52	44,44,44,44	0
56	MG	1A	3056	1/1	0.99	0.27	6.51	28,28,28,28	0
56	MG	2A	3445	1/1	0.90	0.24	6.50	55,55,55,55	0
56	MG	2A	3160	1/1	0.93	0.25	6.49	44,44,44,44	0
56	MG	1A	3458	1/1	0.75	0.29	6.40	54,54,54,54	0
56	MG	1A	3177	1/1	0.97	0.27	6.38	38,38,38,38	0
56	MG	1A	3628	1/1	0.98	0.27	6.19	28,28,28,28	0
56	MG	2A	3461	1/1	0.98	0.26	5.92	52,52,52,52	0
56	MG	1A	3338	1/1	0.98	0.20	5.87	49,49,49,49	0
56	MG	1A	3351	1/1	0.94	0.29	5.49	49,49,49,49	0
56	MG	1a	1659	1/1	0.97	0.26	5.27	62,62,62,62	0
56	MG	1A	3559	1/1	0.97	0.27	5.08	34,34,34,34	0
56	MG	1D	302	1/1	0.94	0.44	5.01	55,55,55,55	0
56	MG	1A	3055	1/1	0.95	0.27	5.01	43,43,43,43	0
56	MG	2A	3633	1/1	0.97	0.24	4.98	55,55,55,55	0
56	MG	2A	3070	1/1	0.98	0.24	4.86	42,42,42,42	0
56	MG	2A	3897	1/1	0.94	0.32	4.80	57,57,57,57	0
56	MG	1A	3280	1/1	0.93	0.26	4.77	50,50,50,50	0
56	MG	2U	201	1/1	0.97	0.24	4.73	40,40,40,40	0
56	MG	1A	4086	1/1	0.98	0.33	4.71	43,43,43,43	0
56	MG	2A	3347	1/1	0.94	0.24	4.69	51,51,51,51	0
56	MG	2A	3814	1/1	0.88	0.29	4.51	55,55,55,55	0
56	MG	1O	203	1/1	0.93	0.31	4.50	63,63,63,63	0
56	MG	1A	3104	1/1	0.91	0.27	4.49	40,40,40,40	0
56	MG	1A	3753	1/1	0.93	0.27	4.49	34,34,34,34	0
56	MG	2a	3041	1/1	0.97	0.26	4.49	50,50,50,50	0
56	MG	1a	1657	1/1	0.95	0.24	4.32	57,57,57,57	0
56	MG	1A	4115	1/1	0.96	0.35	4.30	51,51,51,51	0
56	MG	1O	202	1/1	0.89	0.50	4.30	67,67,67,67	0
56	MG	1A	4072	1/1	0.70	0.37	4.22	62,62,62,62	0
56	MG	2A	3108	1/1	0.97	0.23	4.11	44,44,44,44	0
56	MG	1A	3744	1/1	0.90	0.28	4.07	74,74,74,74	0
56	MG	1A	4090	1/1	0.98	0.29	4.06	37,37,37,37	0
56	MG	1A	3068	1/1	0.98	0.24	4.04	38,38,38,38	0
56	MG	2A	3364	1/1	0.58	0.17	3.98	77,77,77,77	0
56	MG	1D	310	1/1	0.95	0.34	3.97	39,39,39,39	0
56	MG	1A	3171	1/1	0.94	0.33	3.86	53,53,53,53	0
56	MG	2A	3883	1/1	0.87	0.34	3.84	56,56,56,56	0
56	MG	2B	3008	1/1	0.81	0.18	3.82	58,58,58,58	0
56	MG	1A	3576	1/1	0.84	0.25	3.71	57,57,57,57	0
56	MG	1A	4047	1/1	0.95	0.27	3.70	50,50,50,50	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors(\AA^2)	Q<0.9
58	ZN	15	101	1/1	1.00	0.27	3.60	37,37,37,37	0
56	MG	2A	3025	1/1	0.98	0.27	3.51	42,42,42,42	0
56	MG	1A	3971	1/1	0.79	0.24	3.51	44,44,44,44	0
56	MG	1D	301	1/1	0.97	0.27	3.51	46,46,46,46	0
56	MG	2A	3448	1/1	0.99	0.20	3.47	49,49,49,49	0
56	MG	2A	3093	1/1	0.88	0.25	3.43	54,54,54,54	0
56	MG	2A	3673	1/1	0.92	0.24	3.43	64,64,64,64	0
56	MG	1A	3185	1/1	0.90	0.24	3.43	47,47,47,47	0
56	MG	16	101	1/1	0.90	0.25	3.42	45,45,45,45	0
56	MG	1E	304	1/1	0.82	0.24	3.41	55,55,55,55	0
56	MG	2A	3745	1/1	0.71	0.20	3.39	56,56,56,56	0
56	MG	2a	3010	1/1	0.74	0.18	3.38	76,76,76,76	0
56	MG	2A	3876	1/1	0.72	0.30	3.14	66,66,66,66	0
56	MG	1A	3347	1/1	0.97	0.24	3.13	44,44,44,44	0
56	MG	1A	3063	1/1	0.92	0.20	3.07	38,38,38,38	0
56	MG	1A	3313	1/1	0.90	0.25	3.03	49,49,49,49	0
56	MG	1A	3165	1/1	0.92	0.24	2.97	48,48,48,48	0
56	MG	1S	3001	1/1	0.85	0.30	2.94	51,51,51,51	0
56	MG	1D	312	1/1	0.96	0.27	2.80	42,42,42,42	0
56	MG	1A	3658	1/1	0.96	0.24	2.75	37,37,37,37	0
56	MG	2A	3014	1/1	0.92	0.26	2.73	43,43,43,43	0
56	MG	1A	3552	1/1	0.88	0.22	2.64	60,60,60,60	0
56	MG	1A	4093	1/1	0.95	0.27	2.62	35,35,35,35	0
56	MG	2A	3579	1/1	0.87	0.18	2.59	60,60,60,60	0
56	MG	1A	3248	1/1	0.83	0.26	2.51	47,47,47,47	0
56	MG	1A	3704	1/1	0.88	0.24	2.50	49,49,49,49	0
56	MG	2A	3181	1/1	0.98	0.22	2.44	40,40,40,40	0
56	MG	1A	3095	1/1	0.85	0.20	2.43	55,55,55,55	0
56	MG	1A	3252	1/1	0.89	0.23	2.36	52,52,52,52	0
56	MG	1A	3125	1/1	0.95	0.26	2.29	41,41,41,41	0
56	MG	1A	3151	1/1	0.87	0.23	2.29	47,47,47,47	0
56	MG	1B	3019	1/1	0.93	0.23	2.22	56,56,56,56	0
56	MG	1A	3871	1/1	0.90	0.26	2.18	49,49,49,49	0
56	MG	2A	3472	1/1	0.94	0.18	2.13	60,60,60,60	0
56	MG	2a	3165	1/1	0.93	0.26	2.10	54,54,54,54	0
56	MG	2A	3192	1/1	0.96	0.19	1.97	44,44,44,44	0
56	MG	2A	3714	1/1	0.98	0.23	1.91	39,39,39,39	0
56	MG	2A	3899	1/1	0.94	0.21	1.84	45,45,45,45	0
56	MG	1A	3751	1/1	0.87	0.27	1.82	48,48,48,48	0
56	MG	1A	3728	1/1	0.86	0.24	1.82	26,26,26,26	0
56	MG	19	101	1/1	0.88	0.26	1.81	49,49,49,49	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors(\AA^2)	Q<0.9
56	MG	1A	3644	1/1	0.99	0.22	1.77	33,33,33,33	0
56	MG	1A	3748	1/1	0.97	0.23	1.75	25,25,25,25	0
56	MG	2A	3013	1/1	0.99	0.19	1.73	44,44,44,44	0
56	MG	1A	4107	1/1	0.96	0.26	1.73	42,42,42,42	0
56	MG	2A	3635	1/1	0.92	0.18	1.72	43,43,43,43	0
56	MG	1A	3605	1/1	0.98	0.20	1.58	32,32,32,32	0
56	MG	2A	3552	1/1	0.93	0.18	1.56	59,59,59,59	0
56	MG	2A	3112	1/1	0.83	0.17	1.51	42,42,42,42	0
56	MG	1A	3887	1/1	0.97	0.23	1.51	31,31,31,31	0
56	MG	1n	103	1/1	0.99	0.23	1.49	48,48,48,48	0
56	MG	2A	3538	1/1	0.97	0.19	1.48	35,35,35,35	0
56	MG	1A	3745	1/1	0.88	0.23	1.42	19,19,19,19	0
56	MG	1a	1701	1/1	0.92	0.22	1.38	51,51,51,51	0
56	MG	1A	3729	1/1	0.93	0.26	1.35	42,42,42,42	0
56	MG	2A	3910	1/1	0.95	0.27	1.27	57,57,57,57	0
56	MG	1A	4079	1/1	0.88	0.25	1.25	46,46,46,46	0
56	MG	1a	1607	1/1	0.90	0.20	1.23	67,67,67,67	0
56	MG	1P	203	1/1	0.99	0.27	1.21	30,30,30,30	0
56	MG	2F	303	1/1	0.97	0.21	1.20	48,48,48,48	0
56	MG	1a	1652	1/1	0.94	0.20	1.20	63,63,63,63	0
56	MG	2A	3484	1/1	0.88	0.21	1.19	53,53,53,53	0
56	MG	1X	103	1/1	0.98	0.25	1.19	40,40,40,40	0
56	MG	1A	3035	1/1	0.98	0.23	1.18	20,20,20,20	0
56	MG	2U	204	1/1	0.81	0.21	1.10	45,45,45,45	0
56	MG	2a	3192	1/1	0.72	0.20	1.08	63,63,63,63	0
56	MG	2B	3009	1/1	0.87	0.16	1.08	61,61,61,61	0
56	MG	1A	3757	1/1	0.91	0.23	1.07	27,27,27,27	0
56	MG	2A	3095	1/1	0.93	0.19	1.05	39,39,39,39	0
56	MG	1A	3811	1/1	0.98	0.22	1.04	45,45,45,45	0
56	MG	1W	203	1/1	0.99	0.24	1.04	30,30,30,30	0
56	MG	2A	3761	1/1	0.97	0.23	1.01	46,46,46,46	0
56	MG	1A	3355	1/1	0.97	0.26	0.94	47,47,47,47	0
56	MG	1A	4080	1/1	0.96	0.24	0.93	23,23,23,23	0
56	MG	1A	3041	1/1	0.96	0.23	0.87	38,38,38,38	0
58	ZN	16	102	1/1	1.00	0.22	0.84	44,44,44,44	0
56	MG	1B	3027	1/1	0.96	0.22	0.82	35,35,35,35	0
56	MG	1n	102	1/1	0.88	0.24	0.81	66,66,66,66	0
56	MG	2A	3756	1/1	0.88	0.18	0.78	42,42,42,42	0
56	MG	2A	3697	1/1	0.95	0.18	0.73	34,34,34,34	0
56	MG	1A	3793	1/1	0.99	0.24	0.72	37,37,37,37	0
56	MG	2A	3098	1/1	0.91	0.17	0.71	49,49,49,49	0
56	MG	2w	105	1/1	0.95	0.31	0.64	70,70,70,70	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors(\AA^2)	Q<0.9
56	MG	2A	3026	1/1	0.97	0.19	0.61	36,36,36,36	0
56	MG	2a	3244	1/1	0.96	0.18	0.60	43,43,43,43	0
56	MG	1A	4118	1/1	0.98	0.25	0.60	36,36,36,36	0
56	MG	2A	3235	1/1	0.94	0.18	0.58	50,50,50,50	0
56	MG	2A	3144	1/1	0.94	0.19	0.55	45,45,45,45	0
56	MG	18	101	1/1	0.84	0.24	0.54	47,47,47,47	0
56	MG	2A	3905	1/1	0.96	0.23	0.54	38,38,38,38	0
56	MG	1E	302	1/1	0.82	0.24	0.53	58,58,58,58	0
56	MG	1A	3285	1/1	0.96	0.22	0.50	39,39,39,39	0
58	ZN	1Y	501	1/1	0.99	0.19	0.47	60,60,60,60	0
56	MG	2A	3040	1/1	0.89	0.18	0.46	52,52,52,52	0
56	MG	1A	3054	1/1	0.97	0.23	0.46	39,39,39,39	0
56	MG	1A	3855	1/1	0.93	0.22	0.46	53,53,53,53	0
56	MG	1A	3654	1/1	0.88	0.24	0.44	36,36,36,36	0
56	MG	1F	304	1/1	0.98	0.25	0.42	40,40,40,40	0
56	MG	1A	4108	1/1	0.95	0.23	0.42	48,48,48,48	0
56	MG	1A	3606	1/1	0.98	0.23	0.39	36,36,36,36	0
56	MG	1D	306	1/1	0.98	0.21	0.39	32,32,32,32	0
56	MG	1A	3532	1/1	0.95	0.23	0.39	36,36,36,36	0
56	MG	1A	3376	1/1	0.92	0.21	0.38	51,51,51,51	0
56	MG	2r	101	1/1	0.92	0.15	0.33	68,68,68,68	0
56	MG	1a	1603	1/1	0.89	0.18	0.32	59,59,59,59	0
56	MG	1A	3608	1/1	0.95	0.20	0.31	51,51,51,51	0
56	MG	1a	1823	1/1	0.78	0.21	0.31	68,68,68,68	0
56	MG	1A	3963	1/1	0.90	0.23	0.30	60,60,60,60	0
56	MG	1A	4081	1/1	0.95	0.22	0.30	44,44,44,44	0
56	MG	2U	203	1/1	0.94	0.25	0.29	46,46,46,46	0
56	MG	1A	4051	1/1	0.92	0.23	0.27	38,38,38,38	0
56	MG	1A	3229	1/1	0.91	0.23	0.26	33,33,33,33	0
56	MG	2A	3001	1/1	0.91	0.19	0.24	47,47,47,47	0
56	MG	2A	3151	1/1	0.97	0.18	0.23	40,40,40,40	0
56	MG	1A	3526	1/1	0.95	0.24	0.21	53,53,53,53	0
56	MG	1U	204	1/1	0.95	0.22	0.20	38,38,38,38	0
56	MG	1a	1829	1/1	0.77	0.20	0.20	73,73,73,73	0
56	MG	1A	4098	1/1	0.92	0.21	0.16	45,45,45,45	0
56	MG	2A	3534	1/1	0.93	0.19	0.12	40,40,40,40	0
56	MG	1A	3130	1/1	0.92	0.23	0.12	41,41,41,41	0
56	MG	2B	3006	1/1	0.92	0.23	0.11	59,59,59,59	0
56	MG	2A	3884	1/1	0.74	0.19	0.08	42,42,42,42	0
56	MG	2f	3001	1/1	0.98	0.19	0.08	41,41,41,41	0
56	MG	1A	3193	1/1	0.95	0.21	0.03	34,34,34,34	0
56	MG	2A	3888	1/1	0.88	0.20	-0.01	57,57,57,57	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors(\AA^2)	Q<0.9
56	MG	1a	1614	1/1	0.96	0.17	-0.03	45,45,45,45	0
56	MG	2A	3187	1/1	0.91	0.17	-0.07	50,50,50,50	0
56	MG	2A	3626	1/1	0.92	0.19	-0.08	53,53,53,53	0
56	MG	1A	4101	1/1	0.96	0.20	-0.11	39,39,39,39	0
56	MG	1x	103	1/1	0.58	0.16	-0.11	71,71,71,71	0
56	MG	1A	4117	1/1	0.98	0.22	-0.13	39,39,39,39	0
56	MG	1A	3078	1/1	0.97	0.22	-0.13	31,31,31,31	0
56	MG	2a	3238	1/1	0.81	0.17	-0.14	62,62,62,62	0
56	MG	1A	3358	1/1	0.94	0.23	-0.15	33,33,33,33	0
56	MG	2a	3161	1/1	0.93	0.21	-0.18	91,91,91,91	0
56	MG	1A	3172	1/1	0.94	0.22	-0.20	43,43,43,43	0
56	MG	2A	3904	1/1	0.98	0.19	-0.23	41,41,41,41	0
56	MG	2A	3560	1/1	0.92	0.19	-0.24	63,63,63,63	0
56	MG	2A	3162	1/1	0.95	0.17	-0.25	53,53,53,53	0
56	MG	1A	3135	1/1	0.97	0.23	-0.26	32,32,32,32	0
56	MG	1D	304	1/1	0.93	0.19	-0.27	30,30,30,30	0
56	MG	2A	3832	1/1	0.81	0.16	-0.27	54,54,54,54	0
56	MG	1A	4059	1/1	0.98	0.20	-0.28	21,21,21,21	0
56	MG	1A	3562	1/1	0.95	0.21	-0.28	24,24,24,24	0
56	MG	2A	3542	1/1	0.97	0.16	-0.28	39,39,39,39	0
56	MG	1A	4099	1/1	0.95	0.21	-0.28	41,41,41,41	0
56	MG	1Q	201	1/1	0.96	0.20	-0.29	36,36,36,36	0
56	MG	2A	3121	1/1	0.87	0.18	-0.29	42,42,42,42	0
56	MG	1A	4132	1/1	0.99	0.23	-0.29	39,39,39,39	0
56	MG	1A	3707	1/1	0.94	0.21	-0.31	29,29,29,29	0
56	MG	2A	3126	1/1	0.87	0.18	-0.32	58,58,58,58	0
56	MG	2a	3232	1/1	0.87	0.23	-0.36	77,77,77,77	0
56	MG	1A	3379	1/1	0.97	0.21	-0.39	37,37,37,37	0
56	MG	1A	3650	1/1	0.98	0.20	-0.39	35,35,35,35	0
56	MG	1A	3863	1/1	0.82	0.23	-0.42	50,50,50,50	0
56	MG	1B	3022	1/1	0.97	0.19	-0.44	60,60,60,60	0
56	MG	2A	3849	1/1	0.87	0.18	-0.44	44,44,44,44	0
56	MG	2A	3410	1/1	0.88	0.16	-0.45	55,55,55,55	0
56	MG	2A	3692	1/1	0.97	0.17	-0.47	56,56,56,56	0
56	MG	1A	4129	1/1	0.93	0.23	-0.49	42,42,42,42	0
56	MG	2A	3452	1/1	0.86	0.19	-0.50	42,42,42,42	0
56	MG	2A	3643	1/1	0.86	0.15	-0.52	34,34,34,34	0
56	MG	1b	3001	1/1	0.89	0.15	-0.53	83,83,83,83	0
56	MG	1A	3686	1/1	0.92	0.20	-0.54	35,35,35,35	0
56	MG	1A	3781	1/1	0.74	0.21	-0.55	32,32,32,32	0
56	MG	1A	3205	1/1	0.97	0.20	-0.57	42,42,42,42	0
56	MG	1A	3668	1/1	0.85	0.20	-0.59	28,28,28,28	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors(\AA^2)	Q<0.9
56	MG	1B	3023	1/1	0.95	0.18	-0.60	54,54,54,54	0
56	MG	1A	4114	1/1	0.97	0.21	-0.63	34,34,34,34	0
56	MG	2A	3877	1/1	0.97	0.19	-0.64	28,28,28,28	0
56	MG	1A	3693	1/1	0.88	0.19	-0.64	40,40,40,40	0
56	MG	1A	3010	1/1	0.97	0.20	-0.64	39,39,39,39	0
56	MG	2A	3694	1/1	0.92	0.15	-0.65	51,51,51,51	0
56	MG	2w	107	1/1	0.66	0.22	-0.66	75,75,75,75	0
56	MG	2A	3638	1/1	0.94	0.18	-0.66	43,43,43,43	0
56	MG	1a	1617	1/1	0.72	0.18	-0.66	63,63,63,63	0
56	MG	2a	3103	1/1	0.64	0.16	-0.69	76,76,76,76	0
56	MG	2A	3127	1/1	0.93	0.13	-0.71	50,50,50,50	0
56	MG	1A	3414	1/1	0.96	0.19	-0.71	39,39,39,39	0
56	MG	1A	4012	1/1	0.86	0.20	-0.72	34,34,34,34	0
56	MG	1A	4109	1/1	0.94	0.21	-0.74	49,49,49,49	0
56	MG	1D	305	1/1	0.88	0.18	-0.74	42,42,42,42	0
56	MG	1a	1825	1/1	0.98	0.18	-0.75	37,37,37,37	0
56	MG	1A	3921	1/1	0.91	0.17	-0.77	50,50,50,50	0
56	MG	2A	3441	1/1	0.90	0.15	-0.78	51,51,51,51	0
56	MG	1a	1730	1/1	0.93	0.16	-0.80	80,80,80,80	0
56	MG	1A	4097	1/1	0.97	0.15	-0.80	47,47,47,47	0
56	MG	1A	3700	1/1	0.98	0.20	-0.80	16,16,16,16	0
56	MG	16	104	1/1	0.97	0.21	-0.81	53,53,53,53	0
58	ZN	19	103	1/1	0.99	0.19	-0.82	44,44,44,44	0
56	MG	2a	3076	1/1	0.79	0.15	-0.82	73,73,73,73	0
56	MG	2A	3080	1/1	0.80	0.16	-0.83	58,58,58,58	0
58	ZN	26	501	1/1	0.96	0.14	-0.83	60,60,60,60	0
56	MG	2A	3634	1/1	0.95	0.17	-0.83	34,34,34,34	0
56	MG	1A	3652	1/1	0.96	0.20	-0.87	31,31,31,31	0
56	MG	1E	311	1/1	0.85	0.20	-0.87	42,42,42,42	0
56	MG	2a	3145	1/1	0.86	0.20	-0.87	76,76,76,76	0
56	MG	1D	309	1/1	0.94	0.18	-0.88	46,46,46,46	0
56	MG	1A	3691	1/1	0.90	0.20	-0.89	41,41,41,41	0
56	MG	2a	3096	1/1	0.78	0.14	-0.91	65,65,65,65	0
56	MG	1A	3619	1/1	0.98	0.20	-0.93	31,31,31,31	0
56	MG	1l	201	1/1	0.98	0.16	-0.95	43,43,43,43	0
56	MG	2Q	3003	1/1	0.98	0.17	-0.95	51,51,51,51	0
56	MG	1a	1745	1/1	0.87	0.16	-0.95	55,55,55,55	0
56	MG	1N	202	1/1	0.85	0.22	-0.95	48,48,48,48	0
56	MG	1A	3074	1/1	0.93	0.21	-0.97	27,27,27,27	0
56	MG	1A	3122	1/1	0.96	0.22	-0.97	44,44,44,44	0
56	MG	2A	3840	1/1	0.98	0.18	-0.97	43,43,43,43	0
56	MG	1A	4116	1/1	0.90	0.22	-1.00	41,41,41,41	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors(\AA^2)	Q<0.9
56	MG	2A	3142	1/1	0.96	0.17	-1.00	41,41,41,41	0
56	MG	2A	3903	1/1	0.93	0.14	-1.01	58,58,58,58	0
56	MG	1U	207	1/1	0.96	0.20	-1.01	31,31,31,31	0
56	MG	1F	308	1/1	0.93	0.20	-1.01	53,53,53,53	0
56	MG	2A	3907	1/1	0.93	0.16	-1.01	57,57,57,57	0
56	MG	2a	3046	1/1	0.72	0.17	-1.02	64,64,64,64	0
56	MG	2T	3002	1/1	0.85	0.15	-1.02	58,58,58,58	0
56	MG	2A	3548	1/1	0.97	0.17	-1.04	38,38,38,38	0
56	MG	2A	3619	1/1	0.95	0.16	-1.04	37,37,37,37	0
56	MG	2A	3513	1/1	0.98	0.15	-1.06	34,34,34,34	0
56	MG	2A	3615	1/1	0.79	0.13	-1.06	51,51,51,51	0
56	MG	1A	3460	1/1	0.93	0.22	-1.07	48,48,48,48	0
56	MG	2A	3841	1/1	0.97	0.16	-1.08	30,30,30,30	0
56	MG	2a	3229	1/1	0.90	0.15	-1.11	69,69,69,69	0
56	MG	2a	3105	1/1	0.82	0.17	-1.14	45,45,45,45	0
56	MG	1A	3680	1/1	0.92	0.19	-1.16	44,44,44,44	0
56	MG	1A	3741	1/1	0.80	0.18	-1.18	45,45,45,45	0
56	MG	1U	203	1/1	0.91	0.23	-1.19	42,42,42,42	0
56	MG	2a	3128	1/1	0.87	0.12	-1.19	87,87,87,87	0
56	MG	2a	3189	1/1	0.94	0.16	-1.20	48,48,48,48	0
58	ZN	24	501	1/1	0.72	0.10	-1.21	128,128,128,128	0
56	MG	2A	3890	1/1	0.86	0.16	-1.21	61,61,61,61	0
56	MG	1A	3843	1/1	0.99	0.21	-1.22	31,31,31,31	0
56	MG	2D	301	1/1	0.95	0.15	-1.22	57,57,57,57	0
56	MG	2a	3157	1/1	0.93	0.12	-1.23	64,64,64,64	0
56	MG	2j	8002	1/1	0.90	0.16	-1.25	66,66,66,66	0
56	MG	2A	3140	1/1	0.93	0.18	-1.27	50,50,50,50	0
56	MG	2a	3047	1/1	0.83	0.12	-1.31	52,52,52,52	0
56	MG	1G	3003	1/1	0.88	0.11	-1.31	66,66,66,66	0
58	ZN	14	501	1/1	0.92	0.11	-1.32	99,99,99,99	0
58	ZN	2Y	501	1/1	0.96	0.13	-1.36	81,81,81,81	0
56	MG	1A	4119	1/1	0.98	0.23	-1.37	34,34,34,34	0
56	MG	1x	107	1/1	0.76	0.12	-1.38	61,61,61,61	0
56	MG	2t	3001	1/1	0.52	0.15	-1.39	60,60,60,60	0
59	SF4	1d	501	8/8	0.98	0.13	-1.39	59,71,76,86	0
56	MG	2A	3737	1/1	0.94	0.13	-1.40	72,72,72,72	0
56	MG	1A	3105	1/1	0.98	0.17	-1.40	40,40,40,40	0
56	MG	2D	303	1/1	0.95	0.15	-1.40	35,35,35,35	0
56	MG	1a	1654	1/1	0.80	0.17	-1.42	49,49,49,49	0
56	MG	2U	202	1/1	0.89	0.13	-1.43	54,54,54,54	0
56	MG	1A	3166	1/1	0.87	0.22	-1.44	38,38,38,38	0
56	MG	1a	1740	1/1	0.99	0.17	-1.45	35,35,35,35	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors(\AA^2)	Q<0.9
56	MG	1A	3666	1/1	0.87	0.16	-1.46	34,34,34,34	0
56	MG	2A	3645	1/1	0.93	0.16	-1.48	40,40,40,40	0
56	MG	2A	3034	1/1	0.90	0.15	-1.49	45,45,45,45	0
56	MG	2A	3674	1/1	0.96	0.17	-1.50	55,55,55,55	0
56	MG	1A	3195	1/1	0.93	0.21	-1.51	40,40,40,40	0
56	MG	1A	3800	1/1	0.88	0.15	-1.51	65,65,65,65	0
56	MG	1A	3042	1/1	0.98	0.18	-1.52	40,40,40,40	0
56	MG	1R	202	1/1	0.92	0.18	-1.54	38,38,38,38	0
56	MG	2A	3726	1/1	0.84	0.13	-1.55	56,56,56,56	0
56	MG	2T	3001	1/1	0.91	0.13	-1.55	53,53,53,53	0
56	MG	1A	3764	1/1	0.89	0.18	-1.57	31,31,31,31	0
56	MG	1A	3514	1/1	0.96	0.20	-1.57	53,53,53,53	0
56	MG	1A	3873	1/1	0.98	0.21	-1.58	35,35,35,35	0
56	MG	1A	3961	1/1	0.98	0.18	-1.59	38,38,38,38	0
56	MG	1A	3919	1/1	0.95	0.18	-1.59	38,38,38,38	0
56	MG	1Q	202	1/1	0.96	0.20	-1.61	46,46,46,46	0
56	MG	1A	3730	1/1	0.75	0.18	-1.62	43,43,43,43	0
56	MG	1A	3405	1/1	0.91	0.21	-1.63	42,42,42,42	0
58	ZN	29	101	1/1	0.97	0.08	-1.64	73,73,73,73	0
56	MG	1A	3909	1/1	0.97	0.20	-1.64	40,40,40,40	0
56	MG	2A	3475	1/1	0.86	0.16	-1.66	44,44,44,44	0
56	MG	1A	3752	1/1	0.82	0.19	-1.66	41,41,41,41	0
56	MG	1A	3040	1/1	0.95	0.20	-1.66	36,36,36,36	0
58	ZN	1n	101	1/1	0.98	0.12	-1.68	71,71,71,71	0
56	MG	1A	3775	1/1	0.98	0.21	-1.68	27,27,27,27	0
56	MG	1A	3535	1/1	0.93	0.20	-1.70	45,45,45,45	0
56	MG	2A	3037	1/1	0.97	0.14	-1.70	35,35,35,35	0
56	MG	2X	101	1/1	0.96	0.10	-1.71	37,37,37,37	0
56	MG	1A	3190	1/1	0.90	0.21	-1.72	39,39,39,39	0
56	MG	2a	3173	1/1	0.87	0.12	-1.72	62,62,62,62	0
56	MG	1A	3187	1/1	0.91	0.21	-1.74	47,47,47,47	0
56	MG	1A	3641	1/1	0.82	0.17	-1.75	65,65,65,65	0
56	MG	1A	3595	1/1	0.92	0.21	-1.76	59,59,59,59	0
56	MG	1A	4104	1/1	0.94	0.15	-1.77	30,30,30,30	0
56	MG	1a	1608	1/1	0.95	0.18	-1.77	60,60,60,60	0
56	MG	2A	3163	1/1	0.94	0.13	-1.78	56,56,56,56	0
56	MG	2e	3001	1/1	0.95	0.08	-1.79	79,79,79,79	0
56	MG	2Q	3001	1/1	0.97	0.15	-1.80	50,50,50,50	0
56	MG	2l	201	1/1	0.96	0.14	-1.81	66,66,66,66	0
56	MG	1a	1747	1/1	0.94	0.14	-1.82	49,49,49,49	0
56	MG	2A	3158	1/1	0.98	0.17	-1.84	41,41,41,41	0
56	MG	2n	502	1/1	0.95	0.06	-1.84	86,86,86,86	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors(\AA^2)	Q<0.9
56	MG	1A	3750	1/1	0.97	0.21	-1.85	29,29,29,29	0
56	MG	1A	3066	1/1	0.93	0.17	-1.89	35,35,35,35	0
56	MG	1a	1634	1/1	0.95	0.17	-1.91	27,27,27,27	0
56	MG	2a	3097	1/1	0.83	0.13	-1.91	72,72,72,72	0
56	MG	2a	3241	1/1	0.94	0.10	-1.92	41,41,41,41	0
56	MG	1A	4140	1/1	0.96	0.18	-1.92	31,31,31,31	0
56	MG	2A	3889	1/1	0.97	0.11	-1.94	49,49,49,49	0
56	MG	13	101	1/1	0.88	0.22	-1.95	55,55,55,55	0
56	MG	1a	1827	1/1	0.86	0.14	-1.95	58,58,58,58	0
56	MG	1A	3790	1/1	0.96	0.18	-1.99	25,25,25,25	0
56	MG	2A	3530	1/1	0.97	0.15	-1.99	37,37,37,37	0
56	MG	2A	3565	1/1	0.94	0.16	-2.00	36,36,36,36	0
56	MG	2W	201	1/1	0.96	0.14	-2.00	57,57,57,57	0
56	MG	1D	303	1/1	0.94	0.14	-2.00	37,37,37,37	0
56	MG	1A	3653	1/1	0.94	0.19	-2.00	27,27,27,27	0
56	MG	1A	3109	1/1	0.99	0.20	-2.00	35,35,35,35	0
56	MG	1A	3902	1/1	0.95	0.21	-2.01	33,33,33,33	0
56	MG	2A	3690	1/1	0.96	0.12	-2.02	61,61,61,61	0
56	MG	1A	4077	1/1	0.98	0.19	-2.04	11,11,11,11	0
56	MG	1a	1618	1/1	0.96	0.17	-2.04	48,48,48,48	0
56	MG	2A	3581	1/1	0.98	0.17	-2.05	25,25,25,25	0
56	MG	2A	3516	1/1	0.97	0.14	-2.05	56,56,56,56	0
56	MG	2A	3103	1/1	0.96	0.15	-2.06	42,42,42,42	0
56	MG	2a	3113	1/1	0.97	0.14	-2.08	46,46,46,46	0
56	MG	1A	4002	1/1	0.94	0.20	-2.08	33,33,33,33	0
56	MG	2A	3812	1/1	0.79	0.13	-2.09	47,47,47,47	0
56	MG	1E	309	1/1	0.94	0.15	-2.10	50,50,50,50	0
56	MG	2a	3200	1/1	0.96	0.14	-2.12	76,76,76,76	0
56	MG	2A	3207	1/1	0.92	0.14	-2.13	44,44,44,44	0
56	MG	1A	3657	1/1	0.95	0.18	-2.15	27,27,27,27	0
56	MG	28	102	1/1	0.76	0.18	-2.17	52,52,52,52	0
56	MG	1A	3184	1/1	0.84	0.15	-2.17	62,62,62,62	0
56	MG	1a	1806	1/1	0.90	0.13	-2.19	66,66,66,66	0
56	MG	2A	3570	1/1	0.95	0.13	-2.19	53,53,53,53	0
56	MG	2G	3001	1/1	0.83	0.16	-2.19	51,51,51,51	0
56	MG	1A	3241	1/1	0.96	0.18	-2.19	44,44,44,44	0
56	MG	2A	3514	1/1	0.96	0.13	-2.20	32,32,32,32	0
56	MG	2X	103	1/1	0.95	0.11	-2.20	46,46,46,46	0
56	MG	1A	3663	1/1	0.98	0.18	-2.21	28,28,28,28	0
56	MG	1A	4130	1/1	0.97	0.18	-2.21	38,38,38,38	0
56	MG	2a	3195	1/1	0.93	0.13	-2.22	41,41,41,41	0
56	MG	2a	3149	1/1	0.86	0.12	-2.22	56,56,56,56	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors(\AA^2)	Q<0.9
56	MG	1X	101	1/1	0.84	0.17	-2.23	40,40,40,40	0
56	MG	1A	3735	1/1	0.97	0.18	-2.24	41,41,41,41	0
56	MG	1a	1751	1/1	0.84	0.14	-2.25	70,70,70,70	0
56	MG	2A	3564	1/1	0.94	0.15	-2.25	31,31,31,31	0
56	MG	1A	3746	1/1	0.87	0.20	-2.26	55,55,55,55	0
56	MG	2A	3122	1/1	0.94	0.13	-2.27	39,39,39,39	0
56	MG	2a	3098	1/1	0.97	0.14	-2.27	46,46,46,46	0
56	MG	2A	3016	1/1	0.91	0.14	-2.28	61,61,61,61	0
56	MG	1A	3596	1/1	0.93	0.20	-2.31	51,51,51,51	0
56	MG	1A	3228	1/1	0.96	0.20	-2.33	41,41,41,41	0
56	MG	2A	3650	1/1	0.97	0.14	-2.34	41,41,41,41	0
56	MG	1A	4096	1/1	0.94	0.14	-2.35	30,30,30,30	0
56	MG	1a	1737	1/1	0.94	0.11	-2.35	66,66,66,66	0
56	MG	2A	3577	1/1	0.77	0.12	-2.37	56,56,56,56	0
56	MG	1A	3880	1/1	0.95	0.17	-2.39	30,30,30,30	0
59	SF4	2d	501	8/8	0.97	0.11	-2.41	61,71,85,99	0
56	MG	1A	3626	1/1	0.94	0.14	-2.42	44,44,44,44	0
56	MG	2a	3082	1/1	0.94	0.14	-2.43	54,54,54,54	0
56	MG	2a	3175	1/1	0.95	0.13	-2.45	46,46,46,46	0
58	ZN	2n	501	1/1	0.96	0.09	-2.46	107,107,107,107	0
56	MG	1A	3756	1/1	0.92	0.20	-2.46	39,39,39,39	0
56	MG	1a	1629	1/1	0.81	0.16	-2.46	57,57,57,57	0
56	MG	2A	3601	1/1	0.97	0.15	-2.48	39,39,39,39	0
56	MG	2A	3606	1/1	0.92	0.15	-2.49	61,61,61,61	0
56	MG	2A	3902	1/1	0.97	0.14	-2.51	43,43,43,43	0
56	MG	1a	1826	1/1	0.89	0.06	-2.54	58,58,58,58	0
56	MG	1A	3328	1/1	0.88	0.17	-2.57	64,64,64,64	0
56	MG	2A	3881	1/1	0.89	0.14	-2.57	48,48,48,48	0
56	MG	2a	3154	1/1	0.96	0.11	-2.58	68,68,68,68	0
56	MG	2a	3217	1/1	0.96	0.07	-2.59	61,61,61,61	0
56	MG	1A	3237	1/1	0.96	0.19	-2.60	38,38,38,38	0
56	MG	1E	308	1/1	0.95	0.11	-2.60	34,34,34,34	0
56	MG	1A	3120	1/1	0.94	0.18	-2.61	42,42,42,42	0
56	MG	2A	3145	1/1	0.97	0.15	-2.63	36,36,36,36	0
56	MG	1A	3859	1/1	0.90	0.19	-2.64	44,44,44,44	0
56	MG	1A	3034	1/1	0.87	0.16	-2.65	45,45,45,45	0
56	MG	1a	1822	1/1	0.96	0.11	-2.66	54,54,54,54	0
56	MG	1a	1667	1/1	0.91	0.12	-2.66	65,65,65,65	0
56	MG	2a	3092	1/1	0.93	0.13	-2.67	51,51,51,51	0
56	MG	1A	3210	1/1	0.90	0.16	-2.67	42,42,42,42	0
56	MG	2E	304	1/1	0.89	0.12	-2.68	46,46,46,46	0
56	MG	2a	3070	1/1	0.80	0.15	-2.69	61,61,61,61	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors(\AA^2)	Q<0.9
56	MG	1A	3144	1/1	0.81	0.19	-2.69	52,52,52,52	0
56	MG	1A	3861	1/1	0.94	0.17	-2.70	33,33,33,33	0
56	MG	2A	3709	1/1	0.97	0.14	-2.72	33,33,33,33	0
56	MG	1A	3904	1/1	0.93	0.17	-2.72	36,36,36,36	0
56	MG	1A	3984	1/1	0.98	0.16	-2.74	34,34,34,34	0
56	MG	2A	3613	1/1	0.91	0.16	-2.75	33,33,33,33	0
56	MG	2A	3576	1/1	0.96	0.15	-2.79	39,39,39,39	0
56	MG	2A	3562	1/1	0.89	0.11	-2.81	37,37,37,37	0
56	MG	1a	1778	1/1	0.94	0.17	-2.82	64,64,64,64	0
56	MG	1Q	205	1/1	0.96	0.17	-2.84	39,39,39,39	0
56	MG	2d	502	1/1	0.91	0.09	-2.84	68,68,68,68	0
56	MG	2A	3879	1/1	0.86	0.10	-2.84	37,37,37,37	0
56	MG	2A	3515	1/1	0.81	0.11	-2.84	55,55,55,55	0
56	MG	1A	3607	1/1	0.86	0.17	-2.85	35,35,35,35	0
56	MG	1A	3021	1/1	0.94	0.17	-2.85	45,45,45,45	0
56	MG	1U	205	1/1	0.95	0.16	-2.85	35,35,35,35	0
56	MG	2A	3550	1/1	0.95	0.15	-2.86	44,44,44,44	0
56	MG	1A	3046	1/1	0.99	0.17	-2.87	32,32,32,32	0
56	MG	1a	1776	1/1	0.91	0.12	-2.88	91,91,91,91	0
56	MG	1A	4142	1/1	0.97	0.17	-2.90	42,42,42,42	0
56	MG	1w	105	1/1	0.75	0.10	-2.94	87,87,87,87	0
56	MG	2A	3019	1/1	0.95	0.15	-2.96	38,38,38,38	0
56	MG	2A	3616	1/1	0.95	0.15	-2.98	46,46,46,46	0
56	MG	2A	3748	1/1	0.77	0.10	-2.99	57,57,57,57	0
56	MG	2A	3242	1/1	0.96	0.16	-3.00	52,52,52,52	0
56	MG	1a	1670	1/1	0.94	0.11	-3.01	59,59,59,59	0
56	MG	2a	3199	1/1	0.93	0.11	-3.02	72,72,72,72	0
56	MG	2A	3819	1/1	0.89	0.13	-3.02	64,64,64,64	0
56	MG	2A	3233	1/1	0.94	0.14	-3.04	32,32,32,32	0
56	MG	2A	3067	1/1	0.82	0.11	-3.07	57,57,57,57	0
56	MG	1A	4106	1/1	0.96	0.17	-3.08	29,29,29,29	0
56	MG	2A	3882	1/1	0.99	0.13	-3.08	44,44,44,44	0
56	MG	1N	203	1/1	0.96	0.19	-3.10	48,48,48,48	0
56	MG	1A	3481	1/1	0.96	0.14	-3.10	39,39,39,39	0
56	MG	2a	3090	1/1	0.66	0.11	-3.12	68,68,68,68	0
56	MG	1F	303	1/1	0.93	0.17	-3.12	38,38,38,38	0
56	MG	2A	3211	1/1	0.92	0.10	-3.13	43,43,43,43	0
56	MG	2A	3568	1/1	0.71	0.14	-3.14	46,46,46,46	0
56	MG	1A	4111	1/1	0.94	0.17	-3.15	34,34,34,34	0
56	MG	1A	3772	1/1	0.92	0.16	-3.16	36,36,36,36	0
56	MG	2A	3895	1/1	0.90	0.15	-3.20	46,46,46,46	0
56	MG	1a	1724	1/1	0.97	0.10	-3.20	36,36,36,36	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors(\AA^2)	Q<0.9
56	MG	1A	3574	1/1	0.94	0.18	-3.21	43,43,43,43	0
56	MG	1A	3243	1/1	0.95	0.15	-3.21	53,53,53,53	0
56	MG	1A	3731	1/1	0.99	0.18	-3.21	17,17,17,17	0
56	MG	1a	1620	1/1	0.81	0.15	-3.22	66,66,66,66	0
56	MG	1t	3001	1/1	0.93	0.13	-3.24	58,58,58,58	0
56	MG	1A	4127	1/1	0.97	0.18	-3.26	34,34,34,34	0
56	MG	1B	3005	1/1	0.94	0.16	-3.29	55,55,55,55	0
56	MG	2a	3203	1/1	0.95	0.14	-3.30	62,62,62,62	0
56	MG	2A	3898	1/1	0.99	0.13	-3.32	28,28,28,28	0
56	MG	1A	3221	1/1	0.83	0.17	-3.32	55,55,55,55	0
56	MG	1A	3008	1/1	0.99	0.18	-3.33	26,26,26,26	0
56	MG	1A	3533	1/1	0.92	0.18	-3.34	36,36,36,36	0
56	MG	2A	3722	1/1	0.87	0.10	-3.34	58,58,58,58	0
56	MG	1A	3038	1/1	0.98	0.13	-3.37	50,50,50,50	0
56	MG	2A	3051	1/1	0.80	0.15	-3.38	43,43,43,43	0
56	MG	1a	1653	1/1	0.99	0.13	-3.38	54,54,54,54	0
56	MG	1A	4137	1/1	0.97	0.18	-3.41	44,44,44,44	0
56	MG	2A	3776	1/1	0.95	0.13	-3.42	44,44,44,44	0
56	MG	2A	3046	1/1	0.96	0.11	-3.42	48,48,48,48	0
56	MG	1A	3893	1/1	0.98	0.18	-3.42	17,17,17,17	0
56	MG	1a	1752	1/1	0.90	0.13	-3.43	68,68,68,68	0
56	MG	2a	3151	1/1	0.88	0.09	-3.43	78,78,78,78	0
56	MG	2a	3114	1/1	0.92	0.13	-3.44	51,51,51,51	0
56	MG	2q	202	1/1	0.93	0.06	-3.45	78,78,78,78	0
56	MG	2A	3742	1/1	0.97	0.09	-3.46	49,49,49,49	0
56	MG	1a	1800	1/1	0.95	0.12	-3.46	70,70,70,70	0
56	MG	2A	3908	1/1	0.97	0.14	-3.49	44,44,44,44	0
56	MG	2A	3299	1/1	0.91	0.12	-3.51	51,51,51,51	0
56	MG	2A	3668	1/1	0.99	0.12	-3.52	45,45,45,45	0
56	MG	1A	3780	1/1	0.95	0.16	-3.53	21,21,21,21	0
56	MG	1X	104	1/1	0.91	0.18	-3.54	52,52,52,52	0
56	MG	2A	3735	1/1	0.96	0.10	-3.55	55,55,55,55	0
56	MG	1A	4112	1/1	0.94	0.17	-3.56	42,42,42,42	0
56	MG	1A	3508	1/1	0.95	0.14	-3.56	36,36,36,36	0
56	MG	1a	1611	1/1	0.96	0.16	-3.56	22,22,22,22	0
56	MG	1B	3006	1/1	0.91	0.15	-3.57	45,45,45,45	0
56	MG	2A	3837	1/1	0.81	0.14	-3.61	37,37,37,37	0
56	MG	1F	302	1/1	0.85	0.16	-3.62	47,47,47,47	0
56	MG	1A	3482	1/1	0.92	0.16	-3.65	50,50,50,50	0
56	MG	1A	4010	1/1	0.80	0.20	-3.66	26,26,26,26	0
56	MG	2A	3476	1/1	0.94	0.13	-3.67	41,41,41,41	0
56	MG	1E	303	1/1	0.99	0.16	-3.68	26,26,26,26	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors(\AA^2)	Q<0.9
56	MG	2A	3685	1/1	0.94	0.09	-3.69	53,53,53,53	0
56	MG	1A	3524	1/1	0.96	0.16	-3.70	47,47,47,47	0
56	MG	2a	3094	1/1	0.97	0.12	-3.73	68,68,68,68	0
56	MG	1A	3905	1/1	0.97	0.16	-3.74	46,46,46,46	0
56	MG	2A	3131	1/1	0.96	0.11	-3.74	42,42,42,42	0
56	MG	1A	3649	1/1	0.70	0.16	-3.75	54,54,54,54	0
56	MG	2A	3614	1/1	0.94	0.14	-3.78	36,36,36,36	0
56	MG	1a	1649	1/1	0.97	0.12	-3.79	45,45,45,45	0
56	MG	1A	3303	1/1	0.94	0.17	-3.81	33,33,33,33	0
56	MG	1a	1615	1/1	0.90	0.11	-3.81	67,67,67,67	0
56	MG	1A	3001	1/1	0.95	0.17	-3.83	42,42,42,42	0
56	MG	1A	3620	1/1	0.99	0.19	-3.85	25,25,25,25	0
56	MG	1B	3031	1/1	0.87	0.12	-3.89	67,67,67,67	0
56	MG	1x	116	1/1	0.95	0.12	-3.90	59,59,59,59	0
56	MG	2A	3057	1/1	0.88	0.07	-3.94	46,46,46,46	0
56	MG	1A	3646	1/1	0.96	0.18	-3.94	32,32,32,32	0
56	MG	2A	3857	1/1	0.84	0.13	-3.95	47,47,47,47	0
56	MG	1A	3903	1/1	0.92	0.17	-3.95	40,40,40,40	0
56	MG	2A	3011	1/1	0.88	0.07	-4.00	48,48,48,48	0
56	MG	1A	4091	1/1	0.95	0.16	-4.02	49,49,49,49	0
56	MG	1A	3923	1/1	0.96	0.14	-4.03	47,47,47,47	0
56	MG	1A	3960	1/1	0.96	0.18	-4.03	23,23,23,23	0
56	MG	1A	3806	1/1	0.97	0.17	-4.05	34,34,34,34	0
56	MG	2A	3099	1/1	0.89	0.13	-4.05	42,42,42,42	0
56	MG	2A	3620	1/1	0.95	0.10	-4.05	65,65,65,65	0
56	MG	2a	3119	1/1	0.85	0.15	-4.05	71,71,71,71	0
56	MG	1A	3240	1/1	0.91	0.15	-4.08	35,35,35,35	0
56	MG	2A	3545	1/1	0.95	0.14	-4.11	52,52,52,52	0
56	MG	2A	3637	1/1	0.95	0.11	-4.11	42,42,42,42	0
56	MG	1A	4133	1/1	0.92	0.15	-4.14	45,45,45,45	0
56	MG	1A	4068	1/1	0.70	0.18	-4.15	48,48,48,48	0
56	MG	1A	3076	1/1	0.92	0.15	-4.16	53,53,53,53	0
56	MG	1a	1819	1/1	0.84	0.10	-4.17	48,48,48,48	0
56	MG	2A	3499	1/1	0.93	0.11	-4.17	46,46,46,46	0
56	MG	1A	3634	1/1	0.92	0.18	-4.19	44,44,44,44	0
56	MG	1A	3640	1/1	0.94	0.17	-4.22	53,53,53,53	0
56	MG	2a	3187	1/1	0.92	0.13	-4.29	72,72,72,72	0
56	MG	1A	3360	1/1	0.96	0.16	-4.29	31,31,31,31	0
56	MG	2A	3541	1/1	0.94	0.14	-4.30	30,30,30,30	0
56	MG	1a	1795	1/1	0.81	0.12	-4.31	70,70,70,70	0
56	MG	1A	3449	1/1	0.97	0.12	-4.33	41,41,41,41	0
56	MG	1A	3015	1/1	0.94	0.16	-4.33	40,40,40,40	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors(\AA^2)	Q<0.9
56	MG	1T	8002	1/1	0.97	0.14	-4.34	58,58,58,58	0
56	MG	2a	3118	1/1	0.91	0.12	-4.35	65,65,65,65	0
56	MG	1N	205	1/1	0.92	0.14	-4.35	57,57,57,57	0
56	MG	1A	4024	1/1	0.72	0.12	-4.35	71,71,71,71	0
56	MG	1A	3359	1/1	0.98	0.14	-4.36	38,38,38,38	0
56	MG	2A	3551	1/1	0.97	0.14	-4.37	39,39,39,39	0
56	MG	1A	3012	1/1	0.95	0.16	-4.37	30,30,30,30	0
56	MG	1A	3845	1/1	0.97	0.17	-4.39	38,38,38,38	0
56	MG	1A	4120	1/1	0.96	0.16	-4.42	44,44,44,44	0
56	MG	1A	3673	1/1	0.98	0.15	-4.45	29,29,29,29	0
56	MG	2a	3084	1/1	0.96	0.10	-4.49	44,44,44,44	0
56	MG	1A	3774	1/1	0.74	0.17	-4.56	55,55,55,55	0
56	MG	1A	3203	1/1	0.83	0.16	-4.59	50,50,50,50	0
56	MG	1A	3128	1/1	0.90	0.17	-4.62	41,41,41,41	0
56	MG	1A	3624	1/1	0.97	0.17	-4.64	28,28,28,28	0
56	MG	1A	3765	1/1	0.95	0.13	-4.66	25,25,25,25	0
56	MG	1A	4139	1/1	0.98	0.15	-4.68	35,35,35,35	0
56	MG	2a	3159	1/1	0.95	0.09	-4.70	71,71,71,71	0
56	MG	16	103	1/1	0.94	0.12	-4.70	54,54,54,54	0
56	MG	1A	3812	1/1	0.95	0.17	-4.74	45,45,45,45	0
56	MG	1a	1789	1/1	0.81	0.15	-4.74	72,72,72,72	0
56	MG	1A	4085	1/1	0.98	0.22	-4.75	21,21,21,21	0
56	MG	2A	3407	1/1	0.89	0.12	-4.76	61,61,61,61	0
56	MG	2A	3869	1/1	0.88	0.07	-4.77	56,56,56,56	0
56	MG	1A	3575	1/1	0.93	0.14	-4.80	33,33,33,33	0
56	MG	1U	206	1/1	0.94	0.12	-4.83	32,32,32,32	0
56	MG	2A	3007	1/1	0.95	0.10	-4.93	43,43,43,43	0
56	MG	2A	3061	1/1	0.94	0.12	-4.96	49,49,49,49	0
56	MG	1A	3043	1/1	0.94	0.19	-4.97	39,39,39,39	0
56	MG	1A	3208	1/1	0.85	0.16	-4.99	55,55,55,55	0
56	MG	1A	3885	1/1	0.96	0.15	-4.99	37,37,37,37	0
56	MG	2A	3660	1/1	0.95	0.08	-5.01	45,45,45,45	0
56	MG	1A	3675	1/1	0.95	0.16	-5.04	32,32,32,32	0
56	MG	2A	3715	1/1	0.87	0.13	-5.06	46,46,46,46	0
56	MG	1A	4074	1/1	0.70	0.15	-5.07	64,64,64,64	0
56	MG	2A	3248	1/1	0.93	0.13	-5.08	42,42,42,42	0
56	MG	1P	202	1/1	0.94	0.11	-5.16	31,31,31,31	0
56	MG	1A	3852	1/1	0.94	0.14	-5.16	33,33,33,33	0
56	MG	2A	3094	1/1	0.95	0.17	-5.17	44,44,44,44	0
56	MG	20	3003	1/1	0.92	0.09	-5.22	58,58,58,58	0
56	MG	2A	3693	1/1	0.92	0.11	-5.25	35,35,35,35	0
56	MG	2a	3071	1/1	0.89	0.08	-5.27	75,75,75,75	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors(\AA^2)	Q<0.9
56	MG	1A	3310	1/1	0.92	0.18	-5.28	40,40,40,40	0
56	MG	2A	3808	1/1	0.83	0.12	-5.29	60,60,60,60	0
56	MG	1D	308	1/1	0.95	0.11	-5.29	48,48,48,48	0
56	MG	1A	3196	1/1	0.93	0.10	-5.30	59,59,59,59	0
56	MG	1A	3356	1/1	0.96	0.14	-5.32	39,39,39,39	0
56	MG	1A	4039	1/1	0.98	0.15	-5.33	21,21,21,21	0
56	MG	1A	3115	1/1	0.92	0.14	-5.34	57,57,57,57	0
56	MG	1a	1742	1/1	0.94	0.08	-5.35	51,51,51,51	0
56	MG	1a	1626	1/1	0.96	0.13	-5.38	61,61,61,61	0
56	MG	1l	102	1/1	0.98	0.10	-5.43	36,36,36,36	0
56	MG	2A	3404	1/1	0.96	0.10	-5.44	53,53,53,53	0
56	MG	1a	1791	1/1	0.94	0.09	-5.44	54,54,54,54	0
56	MG	1a	1613	1/1	0.92	0.08	-5.47	74,74,74,74	0
56	MG	1A	4121	1/1	0.98	0.17	-5.50	34,34,34,34	0
56	MG	1A	3439	1/1	0.98	0.14	-5.53	40,40,40,40	0
56	MG	1A	3670	1/1	0.96	0.16	-5.53	32,32,32,32	0
56	MG	1G	3001	1/1	0.95	0.15	-5.55	41,41,41,41	0
56	MG	1A	3612	1/1	0.96	0.12	-5.58	41,41,41,41	0
56	MG	1A	3230	1/1	0.89	0.18	-5.63	60,60,60,60	0
56	MG	2a	3080	1/1	0.86	0.11	-5.63	50,50,50,50	0
56	MG	1A	3892	1/1	0.95	0.13	-5.66	39,39,39,39	0
56	MG	1A	3810	1/1	0.92	0.15	-5.66	45,45,45,45	0
56	MG	2A	3020	1/1	0.96	0.08	-5.68	49,49,49,49	0
56	MG	1A	3366	1/1	0.98	0.17	-5.73	38,38,38,38	0
56	MG	1A	3174	1/1	0.98	0.14	-5.73	38,38,38,38	0
56	MG	1a	1668	1/1	0.92	0.13	-5.76	67,67,67,67	0
56	MG	1a	1754	1/1	0.94	0.09	-5.77	51,51,51,51	0
56	MG	2A	3768	1/1	0.93	0.10	-5.79	62,62,62,62	0
56	MG	1W	205	1/1	0.97	0.15	-5.82	39,39,39,39	0
56	MG	1A	3022	1/1	0.99	0.14	-5.83	21,21,21,21	0
56	MG	2A	3021	1/1	0.98	0.11	-5.85	28,28,28,28	0
56	MG	1A	3998	1/1	0.80	0.16	-5.99	65,65,65,65	0
56	MG	1A	3314	1/1	0.98	0.16	-6.03	33,33,33,33	0
56	MG	1A	3112	1/1	0.84	0.17	-6.04	49,49,49,49	0
56	MG	2A	3786	1/1	0.95	0.09	-6.07	48,48,48,48	0
56	MG	1A	3717	1/1	0.95	0.17	-6.08	22,22,22,22	0
56	MG	2A	3555	1/1	0.92	0.10	-6.09	43,43,43,43	0
56	MG	1A	4071	1/1	0.85	0.15	-6.13	26,26,26,26	0
56	MG	1A	3688	1/1	0.99	0.15	-6.16	15,15,15,15	0
56	MG	1A	3070	1/1	0.90	0.15	-6.17	41,41,41,41	0
56	MG	1B	3018	1/1	0.94	0.15	-6.18	37,37,37,37	0
56	MG	1A	4001	1/1	0.98	0.19	-6.20	17,17,17,17	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors(\AA^2)	Q<0.9
56	MG	2A	3524	1/1	0.97	0.11	-6.30	48,48,48,48	0
56	MG	2A	3846	1/1	0.87	0.09	-6.33	47,47,47,47	0
56	MG	2A	3631	1/1	0.95	0.11	-6.36	39,39,39,39	0
56	MG	1a	1638	1/1	0.95	0.14	-6.39	58,58,58,58	0
56	MG	1A	3097	1/1	0.99	0.11	-6.41	35,35,35,35	0
56	MG	2A	3666	1/1	0.93	0.10	-6.43	34,34,34,34	0
56	MG	2A	3834	1/1	0.97	0.10	-6.43	40,40,40,40	0
56	MG	1A	3159	1/1	0.95	0.15	-6.43	39,39,39,39	0
56	MG	1A	3047	1/1	0.96	0.15	-6.46	21,21,21,21	0
56	MG	1A	3020	1/1	0.97	0.15	-6.49	25,25,25,25	0
56	MG	2A	3032	1/1	0.92	0.10	-6.49	38,38,38,38	0
56	MG	1A	3767	1/1	0.96	0.14	-6.50	41,41,41,41	0
56	MG	1R	201	1/1	0.99	0.13	-6.51	30,30,30,30	0
56	MG	1A	3103	1/1	0.93	0.15	-6.55	38,38,38,38	0
56	MG	1A	4016	1/1	0.92	0.13	-6.56	46,46,46,46	0
56	MG	10	101	1/1	0.92	0.12	-6.57	63,63,63,63	0
56	MG	1A	3866	1/1	0.93	0.17	-6.63	46,46,46,46	0
56	MG	1A	3616	1/1	0.73	0.17	-6.64	40,40,40,40	0
56	MG	2A	3152	1/1	0.81	0.11	-6.64	62,62,62,62	0
56	MG	1A	3032	1/1	0.97	0.18	-6.65	31,31,31,31	0
56	MG	1A	4136	1/1	0.98	0.16	-6.65	40,40,40,40	0
56	MG	1A	4003	1/1	0.93	0.18	-6.67	20,20,20,20	0
56	MG	1E	310	1/1	0.82	0.09	-6.70	42,42,42,42	0
56	MG	1A	4062	1/1	0.97	0.12	-6.72	14,14,14,14	0
56	MG	1A	3598	1/1	0.93	0.13	-6.77	51,51,51,51	0
56	MG	2A	3618	1/1	0.98	0.08	-6.78	39,39,39,39	0
56	MG	2A	3848	1/1	0.93	0.10	-6.82	36,36,36,36	0
56	MG	2A	3624	1/1	0.97	0.10	-6.91	32,32,32,32	0
56	MG	1A	3395	1/1	0.83	0.16	-6.93	42,42,42,42	0
56	MG	2A	3855	1/1	0.85	0.11	-7.00	69,69,69,69	0
56	MG	2A	3547	1/1	0.94	0.09	-7.04	37,37,37,37	0
56	MG	1A	4122	1/1	0.95	0.13	-7.11	41,41,41,41	0
56	MG	1A	3033	1/1	0.96	0.17	-7.14	36,36,36,36	0
56	MG	2A	3594	1/1	0.91	0.09	-7.14	38,38,38,38	0
56	MG	1A	3659	1/1	0.96	0.15	-7.23	23,23,23,23	0
56	MG	1a	1771	1/1	0.93	0.08	-7.27	70,70,70,70	0
56	MG	1A	3926	1/1	0.62	0.10	-7.27	53,53,53,53	0
56	MG	2A	3629	1/1	0.87	0.13	-7.32	43,43,43,43	0
56	MG	1a	1817	1/1	0.88	0.04	-7.39	79,79,79,79	0
56	MG	2A	3557	1/1	0.87	0.08	-7.47	45,45,45,45	0
56	MG	1a	1805	1/1	0.95	0.08	-7.48	47,47,47,47	0
56	MG	1A	3630	1/1	0.88	0.17	-7.52	32,32,32,32	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors(\AA^2)	Q<0.9
56	MG	1a	1779	1/1	0.81	0.08	-7.54	65,65,65,65	0
56	MG	1A	3881	1/1	0.94	0.19	-7.55	37,37,37,37	0
56	MG	1A	3403	1/1	0.96	0.17	-7.61	27,27,27,27	0
56	MG	1A	3176	1/1	0.96	0.16	-7.63	37,37,37,37	0
56	MG	1A	3202	1/1	0.92	0.15	-7.72	32,32,32,32	0
56	MG	2A	3623	1/1	0.97	0.10	-7.91	48,48,48,48	0
56	MG	1A	4032	1/1	0.94	0.07	-8.00	68,68,68,68	0
56	MG	1a	1655	1/1	0.97	0.07	-8.19	43,43,43,43	0
56	MG	2A	3023	1/1	0.94	0.05	-8.23	48,48,48,48	0
56	MG	1A	4110	1/1	0.93	0.13	-8.24	56,56,56,56	0
56	MG	2a	3182	1/1	0.82	0.09	-8.26	71,71,71,71	0
56	MG	1A	3807	1/1	0.97	0.15	-8.26	38,38,38,38	0
56	MG	1A	3275	1/1	0.96	0.13	-8.31	44,44,44,44	0
56	MG	2A	3188	1/1	0.94	0.07	-8.42	36,36,36,36	0
56	MG	2A	3561	1/1	0.95	0.09	-8.51	62,62,62,62	0
56	MG	2A	3035	1/1	0.96	0.10	-8.61	31,31,31,31	0
56	MG	2A	3844	1/1	0.78	0.08	-8.65	50,50,50,50	0
56	MG	2A	3720	1/1	0.97	0.11	-8.66	41,41,41,41	0
56	MG	1A	3820	1/1	0.96	0.11	-8.67	41,41,41,41	0
56	MG	2A	3648	1/1	0.80	0.08	-8.88	51,51,51,51	0
56	MG	1A	3213	1/1	0.92	0.12	-9.01	42,42,42,42	0
56	MG	2A	3571	1/1	0.90	0.08	-9.04	35,35,35,35	0
56	MG	1A	3930	1/1	0.96	0.15	-9.08	30,30,30,30	0
56	MG	2A	3529	1/1	0.90	0.07	-9.24	43,43,43,43	0
56	MG	2A	3522	1/1	0.95	0.08	-9.26	59,59,59,59	0
56	MG	1A	3784	1/1	0.91	0.10	-9.28	39,39,39,39	0
56	MG	2A	3587	1/1	0.95	0.11	-9.32	37,37,37,37	0
56	MG	1A	3948	1/1	0.84	0.12	-9.56	60,60,60,60	0
56	MG	1a	1818	1/1	0.90	0.08	-9.74	54,54,54,54	0
56	MG	1A	3738	1/1	0.94	0.12	-9.98	43,43,43,43	0
56	MG	1a	1619	1/1	0.98	0.13	-10.01	62,62,62,62	0
56	MG	1A	3661	1/1	0.91	0.13	-10.15	32,32,32,32	0
56	MG	1A	4055	1/1	0.94	0.09	-10.28	33,33,33,33	0
56	MG	2A	3500	1/1	0.87	0.10	-10.53	55,55,55,55	0
56	MG	1A	3789	1/1	0.98	0.11	-10.67	29,29,29,29	0
56	MG	1A	3597	1/1	0.94	0.18	-10.91	50,50,50,50	0
56	MG	1a	1709	1/1	0.80	0.07	-10.94	59,59,59,59	0
56	MG	2a	3222	1/1	0.92	0.09	-11.11	63,63,63,63	0
56	MG	1a	1741	1/1	0.95	0.08	-11.27	34,34,34,34	0
56	MG	2A	3504	1/1	0.95	0.09	-11.50	36,36,36,36	0
56	MG	1A	3906	1/1	0.89	0.12	-11.74	51,51,51,51	0
56	MG	1A	3594	1/1	0.93	0.13	-11.80	31,31,31,31	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors(\AA^2)	Q<0.9
56	MG	1A	3669	1/1	0.93	0.10	-11.94	34,34,34,34	0
56	MG	1A	3007	1/1	0.92	0.14	-12.00	38,38,38,38	0
56	MG	1A	3947	1/1	0.81	0.12	-12.26	44,44,44,44	0
56	MG	1A	3914	1/1	0.98	0.10	-12.46	53,53,53,53	0
56	MG	1a	1758	1/1	0.97	0.06	-12.51	56,56,56,56	0
56	MG	2A	3521	1/1	0.93	0.11	-12.58	51,51,51,51	0
56	MG	1A	3577	1/1	0.99	0.17	-13.30	27,27,27,27	0
56	MG	1A	4013	1/1	0.96	0.13	-15.40	33,33,33,33	0
56	MG	1A	3882	1/1	0.96	0.17	-15.40	36,36,36,36	0
56	MG	1A	3938	1/1	0.94	0.08	-16.03	55,55,55,55	0
56	MG	1A	4063	1/1	0.95	0.08	-17.29	57,57,57,57	0
56	MG	1A	3939	1/1	0.91	0.14	-17.95	53,53,53,53	0
56	MG	1A	4011	1/1	0.93	0.10	-18.74	43,43,43,43	0
56	MG	1A	3621	1/1	0.97	0.11	-19.16	48,48,48,48	0
56	MG	1A	3635	1/1	0.98	0.11	-19.87	32,32,32,32	0
56	MG	2A	3792	1/1	0.86	0.10	-	51,51,51,51	0
56	MG	1A	3318	1/1	0.90	0.12	-	46,46,46,46	0
56	MG	1A	3315	1/1	0.90	0.35	-	61,61,61,61	0
56	MG	1A	3002	1/1	0.82	0.24	-	59,59,59,59	0
56	MG	2A	3312	1/1	0.93	0.12	-	51,51,51,51	0
56	MG	1A	4042	1/1	0.90	0.10	-	46,46,46,46	0
56	MG	2a	3155	1/1	0.64	0.12	-	81,81,81,81	0
56	MG	1A	3545	1/1	0.88	0.16	-	67,67,67,67	0
56	MG	1A	3636	1/1	0.96	0.07	-	38,38,38,38	0
56	MG	1A	3722	1/1	0.85	0.12	-	39,39,39,39	0
56	MG	1A	3821	1/1	0.91	0.16	-	47,47,47,47	0
56	MG	2A	3711	1/1	0.95	0.17	-	56,56,56,56	0
56	MG	1A	3273	1/1	0.92	0.28	-	53,53,53,53	0
56	MG	2A	3370	1/1	0.90	0.23	-	50,50,50,50	0
56	MG	2A	3465	1/1	0.88	0.22	-	55,55,55,55	0
56	MG	1A	3014	1/1	0.97	0.20	-	31,31,31,31	0
56	MG	2A	3443	1/1	0.98	0.28	-	50,50,50,50	0
56	MG	2A	3251	1/1	0.95	0.10	-	42,42,42,42	0
56	MG	1a	1660	1/1	0.91	0.12	-	74,74,74,74	0
56	MG	2A	3657	1/1	0.95	0.13	-	39,39,39,39	0
56	MG	2A	3760	1/1	0.97	0.56	-	58,58,58,58	0
56	MG	1a	1672	1/1	0.65	0.17	-	73,73,73,73	0
56	MG	1A	3695	1/1	0.94	0.09	-	57,57,57,57	0
56	MG	2A	3492	1/1	0.90	0.17	-	54,54,54,54	0
56	MG	2A	3746	1/1	0.86	0.08	-	68,68,68,68	0
56	MG	1V	202	1/1	0.92	0.15	-	53,53,53,53	0
56	MG	2a	3153	1/1	0.79	0.17	-	74,74,74,74	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors(\AA^2)	Q<0.9
56	MG	1A	3036	1/1	0.94	0.19	-	31,31,31,31	0
56	MG	2A	3428	1/1	0.94	0.15	-	52,52,52,52	0
56	MG	1A	3955	1/1	0.95	0.14	-	30,30,30,30	0
56	MG	2A	3419	1/1	0.88	0.14	-	51,51,51,51	0
56	MG	2a	3017	1/1	0.86	0.09	-	66,66,66,66	0
56	MG	2a	3234	1/1	0.82	0.13	-	66,66,66,66	0
56	MG	1A	3877	1/1	0.93	0.15	-	39,39,39,39	0
56	MG	1a	1744	1/1	0.80	0.25	-	73,73,73,73	0
56	MG	1G	3002	1/1	0.89	0.17	-	56,56,56,56	0
56	MG	2D	302	1/1	0.90	0.16	-	51,51,51,51	0
56	MG	1A	3263	1/1	0.96	0.18	-	52,52,52,52	0
56	MG	2a	3049	1/1	0.90	0.12	-	55,55,55,55	0
56	MG	1A	3797	1/1	0.95	0.14	-	53,53,53,53	0
56	MG	2a	3028	1/1	0.38	0.23	-	84,84,84,84	0
56	MG	1A	3805	1/1	0.93	0.23	-	54,54,54,54	0
56	MG	2A	3214	1/1	0.96	0.11	-	56,56,56,56	0
56	MG	2A	3420	1/1	0.95	0.37	-	43,43,43,43	0
56	MG	1a	1774	1/1	0.95	0.11	-	60,60,60,60	0
56	MG	1A	3415	1/1	0.94	0.30	-	59,59,59,59	0
56	MG	2A	3206	1/1	0.97	0.17	-	56,56,56,56	0
56	MG	2A	3089	1/1	0.90	0.12	-	46,46,46,46	0
56	MG	2A	3153	1/1	0.89	0.20	-	52,52,52,52	0
56	MG	1A	3107	1/1	0.97	0.18	-	35,35,35,35	0
56	MG	2B	3014	1/1	0.79	0.17	-	77,77,77,77	0
56	MG	2A	3185	1/1	0.94	0.08	-	45,45,45,45	0
56	MG	1a	1807	1/1	0.90	0.06	-	67,67,67,67	0
56	MG	2A	3437	1/1	0.93	0.13	-	67,67,67,67	0
56	MG	1A	3101	1/1	0.92	0.12	-	44,44,44,44	0
56	MG	1a	1761	1/1	0.91	0.11	-	64,64,64,64	0
56	MG	2A	3481	1/1	0.91	0.20	-	56,56,56,56	0
56	MG	2q	201	1/1	0.85	0.17	-	76,76,76,76	0
56	MG	2A	3520	1/1	0.77	0.11	-	65,65,65,65	0
56	MG	2a	3131	1/1	0.69	0.11	-	80,80,80,80	0
56	MG	1A	3412	1/1	0.96	0.21	-	52,52,52,52	0
56	MG	1A	3437	1/1	0.87	0.15	-	52,52,52,52	0
56	MG	2A	3325	1/1	0.91	0.10	-	63,63,63,63	0
56	MG	1A	3350	1/1	0.88	0.25	-	59,59,59,59	0
56	MG	1A	3242	1/1	0.85	0.24	-	43,43,43,43	0
56	MG	1a	1632	1/1	0.95	0.18	-	52,52,52,52	0
56	MG	2A	3721	1/1	0.95	0.18	-	46,46,46,46	0
56	MG	2A	3688	1/1	0.93	0.09	-	38,38,38,38	0
56	MG	2a	3147	1/1	0.97	0.13	-	49,49,49,49	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors(\AA^2)	Q<0.9
56	MG	1a	1765	1/1	0.93	0.11	-	49,49,49,49	0
56	MG	1A	3916	1/1	0.91	0.14	-	53,53,53,53	0
56	MG	2A	3183	1/1	0.93	0.17	-	56,56,56,56	0
56	MG	1A	3991	1/1	0.91	0.10	-	48,48,48,48	0
56	MG	2a	3202	1/1	0.90	0.17	-	64,64,64,64	0
56	MG	1A	3147	1/1	0.82	0.28	-	54,54,54,54	0
56	MG	2A	3172	1/1	0.94	0.09	-	47,47,47,47	0
56	MG	2B	3013	1/1	0.89	0.20	-	61,61,61,61	0
56	MG	1A	3459	1/1	0.86	0.23	-	47,47,47,47	0
56	MG	2A	3389	1/1	0.94	0.11	-	58,58,58,58	0
56	MG	2A	3362	1/1	0.85	0.12	-	68,68,68,68	0
56	MG	1A	3637	1/1	0.89	0.19	-	50,50,50,50	0
56	MG	2A	3580	1/1	0.94	0.23	-	49,49,49,49	0
56	MG	2A	3079	1/1	0.88	0.11	-	41,41,41,41	0
56	MG	1A	3874	1/1	0.89	0.12	-	40,40,40,40	0
56	MG	2w	102	1/1	0.88	0.17	-	62,62,62,62	0
56	MG	2A	3590	1/1	0.89	0.08	-	64,64,64,64	0
56	MG	1A	3030	1/1	0.98	0.18	-	34,34,34,34	0
56	MG	1a	1673	1/1	0.94	0.13	-	67,67,67,67	0
56	MG	1A	3849	1/1	0.96	0.26	-	44,44,44,44	0
56	MG	1A	4089	1/1	0.97	0.15	-	36,36,36,36	0
56	MG	1B	3001	1/1	0.98	0.30	-	48,48,48,48	0
56	MG	1A	3436	1/1	0.90	0.14	-	45,45,45,45	0
56	MG	2A	3044	1/1	0.92	0.10	-	48,48,48,48	0
56	MG	1B	3003	1/1	0.92	0.23	-	56,56,56,56	0
56	MG	1a	1728	1/1	0.91	0.24	-	48,48,48,48	0
56	MG	1A	3952	1/1	0.96	0.18	-	46,46,46,46	0
56	MG	1A	3501	1/1	0.90	0.25	-	51,51,51,51	0
56	MG	2A	3377	1/1	0.98	0.15	-	57,57,57,57	0
56	MG	2a	3050	1/1	0.89	0.20	-	61,61,61,61	0
56	MG	2A	3723	1/1	0.88	0.10	-	50,50,50,50	0
56	MG	1A	3672	1/1	0.91	0.16	-	31,31,31,31	0
56	MG	2B	3011	1/1	0.96	0.31	-	67,67,67,67	0
56	MG	1A	3733	1/1	0.92	0.12	-	52,52,52,52	0
56	MG	25	101	1/1	0.94	0.15	-	55,55,55,55	0
56	MG	2a	3107	1/1	0.94	0.14	-	57,57,57,57	0
56	MG	1A	3927	1/1	0.94	0.10	-	47,47,47,47	0
56	MG	1A	3727	1/1	0.91	0.15	-	36,36,36,36	0
56	MG	2a	3139	1/1	0.94	0.11	-	73,73,73,73	0
56	MG	2A	3533	1/1	0.99	0.12	-	48,48,48,48	0
56	MG	1O	207	1/1	0.77	0.12	-	65,65,65,65	0
56	MG	1A	3418	1/1	0.86	0.11	-	54,54,54,54	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors(\AA^2)	Q<0.9
56	MG	2A	3532	1/1	0.94	0.14	-	65,65,65,65	0
56	MG	2a	3193	1/1	0.93	0.12	-	73,73,73,73	0
56	MG	1A	3610	1/1	0.95	0.23	-	54,54,54,54	0
56	MG	1A	3541	1/1	0.85	0.13	-	73,73,73,73	0
56	MG	1x	110	1/1	0.87	0.14	-	52,52,52,52	0
56	MG	1A	3681	1/1	0.96	0.07	-	34,34,34,34	0
56	MG	1a	1658	1/1	0.96	0.13	-	57,57,57,57	0
56	MG	1A	3933	1/1	0.78	0.10	-	47,47,47,47	0
56	MG	2A	3339	1/1	0.94	0.20	-	51,51,51,51	0
56	MG	1A	3602	1/1	0.97	0.25	-	25,25,25,25	0
56	MG	1A	4075	1/1	0.92	0.13	-	42,42,42,42	0
56	MG	2B	3004	1/1	0.89	0.13	-	69,69,69,69	0
56	MG	2A	3416	1/1	0.92	0.15	-	59,59,59,59	0
56	MG	1a	1628	1/1	0.87	0.11	-	58,58,58,58	0
56	MG	1A	3152	1/1	0.84	0.21	-	55,55,55,55	0
56	MG	1A	3126	1/1	0.97	0.20	-	41,41,41,41	0
56	MG	1A	3287	1/1	0.95	0.18	-	30,30,30,30	0
56	MG	2A	3287	1/1	0.91	0.09	-	55,55,55,55	0
56	MG	1A	3139	1/1	0.96	0.14	-	48,48,48,48	0
56	MG	1a	1639	1/1	0.89	0.10	-	62,62,62,62	0
56	MG	1A	3519	1/1	0.90	0.16	-	49,49,49,49	0
56	MG	2A	3036	1/1	0.94	0.14	-	54,54,54,54	0
56	MG	1A	3276	1/1	0.98	0.14	-	49,49,49,49	0
56	MG	1A	3264	1/1	0.66	0.18	-	63,63,63,63	0
56	MG	2P	201	1/1	0.94	0.13	-	45,45,45,45	0
56	MG	1A	3326	1/1	0.86	0.18	-	41,41,41,41	0
56	MG	1A	3265	1/1	0.97	0.10	-	63,63,63,63	0
56	MG	2A	3332	1/1	0.77	0.34	-	62,62,62,62	0
56	MG	1E	305	1/1	0.93	0.22	-	57,57,57,57	0
56	MG	2a	3079	1/1	0.96	0.11	-	59,59,59,59	0
56	MG	1a	1625	1/1	0.81	0.26	-	63,63,63,63	0
56	MG	1A	4083	1/1	0.94	0.15	-	44,44,44,44	0
56	MG	1A	3831	1/1	0.95	0.15	-	70,70,70,70	0
56	MG	1a	1756	1/1	0.97	0.14	-	72,72,72,72	0
56	MG	2A	3279	1/1	0.96	0.28	-	53,53,53,53	0
56	MG	1A	3999	1/1	0.86	0.20	-	55,55,55,55	0
56	MG	2A	3290	1/1	0.90	0.19	-	50,50,50,50	0
56	MG	1A	3951	1/1	0.89	0.20	-	72,72,72,72	0
56	MG	1A	3051	1/1	0.93	0.28	-	50,50,50,50	0
56	MG	2A	3038	1/1	0.97	0.16	-	31,31,31,31	0
56	MG	1A	3225	1/1	0.94	0.22	-	52,52,52,52	0
56	MG	1A	3170	1/1	0.94	0.15	-	39,39,39,39	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors(\AA^2)	Q<0.9
56	MG	2a	3146	1/1	0.73	0.32	-	84,84,84,84	0
56	MG	2A	3062	1/1	0.95	0.20	-	61,61,61,61	0
56	MG	1A	3698	1/1	0.61	0.11	-	73,73,73,73	0
56	MG	1A	3890	1/1	0.90	0.16	-	57,57,57,57	0
56	MG	2A	3880	1/1	0.80	0.13	-	65,65,65,65	0
56	MG	1A	3278	1/1	0.93	0.20	-	51,51,51,51	0
56	MG	2A	3652	1/1	0.94	0.12	-	41,41,41,41	0
56	MG	1A	3037	1/1	0.95	0.42	-	40,40,40,40	0
56	MG	2A	3359	1/1	0.95	0.05	-	56,56,56,56	0
56	MG	2A	3769	1/1	0.76	0.10	-	62,62,62,62	0
56	MG	2A	3559	1/1	0.95	0.14	-	39,39,39,39	0
56	MG	2A	3508	1/1	0.95	0.10	-	60,60,60,60	0
56	MG	2A	3433	1/1	0.87	0.13	-	64,64,64,64	0
56	MG	2a	3212	1/1	0.99	0.12	-	51,51,51,51	0
56	MG	1A	3941	1/1	0.92	0.15	-	46,46,46,46	0
56	MG	1A	3083	1/1	0.85	0.26	-	44,44,44,44	0
56	MG	1a	1769	1/1	0.93	0.11	-	55,55,55,55	0
56	MG	1A	3791	1/1	0.93	0.17	-	43,43,43,43	0
56	MG	2A	3193	1/1	0.95	0.06	-	55,55,55,55	0
56	MG	2A	3892	1/1	0.48	0.31	-	78,78,78,78	0
56	MG	1w	101	1/1	0.88	0.14	-	64,64,64,64	0
56	MG	1A	3900	1/1	0.84	0.19	-	44,44,44,44	0
56	MG	2A	3213	1/1	0.95	0.23	-	45,45,45,45	0
56	MG	1a	1707	1/1	0.91	0.14	-	63,63,63,63	0
56	MG	1y	3001	1/1	0.88	0.09	-	64,64,64,64	0
56	MG	1e	201	1/1	0.80	0.12	-	79,79,79,79	0
56	MG	1A	3888	1/1	0.86	0.24	-	70,70,70,70	0
56	MG	2A	3874	1/1	0.88	0.17	-	53,53,53,53	0
56	MG	2w	101	1/1	0.86	0.20	-	73,73,73,73	0
56	MG	1A	3471	1/1	0.96	0.18	-	57,57,57,57	0
56	MG	1A	3965	1/1	0.98	0.14	-	67,67,67,67	0
56	MG	1A	3931	1/1	0.90	0.17	-	55,55,55,55	0
56	MG	2A	3426	1/1	0.88	0.23	-	63,63,63,63	0
56	MG	2a	3130	1/1	0.89	0.08	-	72,72,72,72	0
56	MG	1l	103	1/1	0.93	0.09	-	65,65,65,65	0
56	MG	1A	3754	1/1	0.88	0.20	-	48,48,48,48	0
56	MG	1A	3029	1/1	0.95	0.24	-	38,38,38,38	0
56	MG	1A	3966	1/1	0.91	0.20	-	59,59,59,59	0
56	MG	1A	4084	1/1	0.75	0.12	-	50,50,50,50	0
56	MG	1A	4123	1/1	0.95	0.22	-	35,35,35,35	0
56	MG	2A	3136	1/1	0.93	0.18	-	45,45,45,45	0
56	MG	2A	3180	1/1	0.79	0.19	-	51,51,51,51	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors(\AA^2)	Q<0.9
56	MG	1A	3981	1/1	0.91	0.09	-	52,52,52,52	0
56	MG	1A	3281	1/1	0.85	0.26	-	50,50,50,50	0
56	MG	2a	3204	1/1	0.67	0.44	-	86,86,86,86	0
56	MG	1a	1767	1/1	0.93	0.12	-	66,66,66,66	0
56	MG	2A	3458	1/1	0.87	0.11	-	65,65,65,65	0
56	MG	1A	3516	1/1	0.96	0.11	-	25,25,25,25	0
56	MG	1A	3292	1/1	0.96	0.17	-	56,56,56,56	0
56	MG	2A	3804	1/1	0.96	0.06	-	31,31,31,31	0
56	MG	2A	3479	1/1	0.89	0.17	-	54,54,54,54	0
56	MG	1A	4037	1/1	0.68	0.12	-	62,62,62,62	0
56	MG	1A	3896	1/1	0.94	0.22	-	47,47,47,47	0
56	MG	2A	3607	1/1	0.72	0.18	-	55,55,55,55	0
56	MG	1A	3956	1/1	0.83	0.17	-	61,61,61,61	0
56	MG	1A	3488	1/1	0.88	0.30	-	59,59,59,59	0
56	MG	2A	3585	1/1	0.96	0.10	-	43,43,43,43	0
56	MG	1A	3525	1/1	0.90	0.18	-	58,58,58,58	0
56	MG	2A	3005	1/1	0.91	0.22	-	48,48,48,48	0
56	MG	2A	3055	1/1	0.92	0.15	-	46,46,46,46	0
56	MG	1A	3011	1/1	0.98	0.13	-	46,46,46,46	0
56	MG	2A	3518	1/1	0.86	0.09	-	52,52,52,52	0
56	MG	1A	3494	1/1	0.96	0.21	-	39,39,39,39	0
56	MG	2A	3490	1/1	0.83	0.14	-	61,61,61,61	0
56	MG	1A	3555	1/1	0.66	0.26	-	60,60,60,60	0
56	MG	1A	3915	1/1	0.91	0.14	-	39,39,39,39	0
56	MG	1x	115	1/1	0.92	0.15	-	75,75,75,75	0
56	MG	1A	3496	1/1	0.95	0.16	-	38,38,38,38	0
56	MG	2A	3381	1/1	0.88	0.13	-	53,53,53,53	0
56	MG	2A	3265	1/1	0.81	0.17	-	59,59,59,59	0
56	MG	2A	3699	1/1	0.84	0.09	-	76,76,76,76	0
56	MG	1a	1692	1/1	0.91	0.09	-	69,69,69,69	0
56	MG	1a	1662	1/1	0.94	0.12	-	67,67,67,67	0
56	MG	1a	1650	1/1	0.90	0.12	-	53,53,53,53	0
56	MG	2A	3597	1/1	0.92	0.16	-	61,61,61,61	0
56	MG	2A	3762	1/1	0.93	0.09	-	52,52,52,52	0
56	MG	1a	1717	1/1	0.95	0.16	-	64,64,64,64	0
56	MG	2a	3032	1/1	0.96	0.10	-	60,60,60,60	0
56	MG	2A	3527	1/1	0.93	0.12	-	31,31,31,31	0
56	MG	1A	3343	1/1	0.86	0.34	-	59,59,59,59	0
56	MG	1A	3836	1/1	0.91	0.23	-	54,54,54,54	0
56	MG	1A	3891	1/1	0.93	0.18	-	41,41,41,41	0
56	MG	1A	4105	1/1	0.87	0.13	-	44,44,44,44	0
56	MG	2A	3117	1/1	0.88	0.28	-	63,63,63,63	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors(\AA^2)	Q<0.9
56	MG	2a	3177	1/1	0.93	0.07	-	67,67,67,67	0
56	MG	2A	3743	1/1	0.96	0.16	-	75,75,75,75	0
56	MG	1A	3817	1/1	0.96	0.19	-	45,45,45,45	0
56	MG	1a	1651	1/1	0.82	0.11	-	56,56,56,56	0
56	MG	1A	3913	1/1	0.78	0.24	-	80,80,80,80	0
56	MG	2A	3203	1/1	0.92	0.22	-	46,46,46,46	0
56	MG	2E	306	1/1	0.84	0.09	-	67,67,67,67	0
56	MG	2a	3044	1/1	0.96	0.19	-	57,57,57,57	0
56	MG	2A	3610	1/1	0.51	0.14	-	67,67,67,67	0
56	MG	1A	3158	1/1	0.93	0.19	-	56,56,56,56	0
56	MG	1A	3167	1/1	0.94	0.15	-	41,41,41,41	0
56	MG	1A	3699	1/1	0.85	0.25	-	64,64,64,64	0
56	MG	1A	3288	1/1	0.92	0.12	-	43,43,43,43	0
56	MG	2A	3408	1/1	0.90	0.10	-	51,51,51,51	0
56	MG	2A	3128	1/1	0.94	0.19	-	48,48,48,48	0
56	MG	1a	1612	1/1	0.76	0.09	-	74,74,74,74	0
56	MG	2A	3173	1/1	0.95	0.09	-	51,51,51,51	0
56	MG	1A	3627	1/1	0.84	0.13	-	62,62,62,62	0
56	MG	2a	3210	1/1	0.83	0.10	-	70,70,70,70	0
56	MG	1A	4043	1/1	0.85	0.10	-	50,50,50,50	0
56	MG	2a	3136	1/1	0.91	0.28	-	73,73,73,73	0
56	MG	1B	3034	1/1	0.91	0.19	-	58,58,58,58	0
56	MG	1A	3997	1/1	0.89	0.14	-	39,39,39,39	0
56	MG	1y	3002	1/1	0.91	0.16	-	75,75,75,75	0
56	MG	1W	202	1/1	0.96	0.24	-	50,50,50,50	0
56	MG	1A	4033	1/1	0.83	0.10	-	76,76,76,76	0
56	MG	1a	1691	1/1	0.90	0.21	-	69,69,69,69	0
56	MG	1T	8001	1/1	0.88	0.10	-	63,63,63,63	0
56	MG	2A	3707	1/1	0.87	0.06	-	61,61,61,61	0
56	MG	1a	1792	1/1	0.95	0.05	-	59,59,59,59	0
56	MG	1a	1777	1/1	0.90	0.16	-	55,55,55,55	0
56	MG	2A	3210	1/1	0.91	0.14	-	47,47,47,47	0
57	K	2A	3496	1/1	0.93	0.09	-	73,73,73,73	0
56	MG	1A	3638	1/1	0.95	0.06	-	53,53,53,53	0
56	MG	2A	3253	1/1	0.89	0.12	-	47,47,47,47	0
56	MG	1A	3236	1/1	0.93	0.35	-	37,37,37,37	0
56	MG	1A	3466	1/1	0.83	0.15	-	64,64,64,64	0
56	MG	1A	3053	1/1	0.94	0.17	-	52,52,52,52	0
56	MG	1A	3065	1/1	0.94	0.22	-	33,33,33,33	0
56	MG	2A	3090	1/1	0.93	0.07	-	60,60,60,60	0
56	MG	1A	3062	1/1	0.95	0.23	-	59,59,59,59	0
56	MG	2A	3853	1/1	0.94	0.12	-	50,50,50,50	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors(\AA^2)	Q<0.9
56	MG	1a	1790	1/1	0.65	0.20	-	73,73,73,73	0
56	MG	2A	3554	1/1	0.97	0.10	-	39,39,39,39	0
56	MG	2A	3823	1/1	0.84	0.15	-	73,73,73,73	0
56	MG	1A	3378	1/1	0.78	0.14	-	53,53,53,53	0
56	MG	2A	3651	1/1	0.92	0.14	-	44,44,44,44	0
56	MG	2a	3216	1/1	0.98	0.12	-	65,65,65,65	0
56	MG	1A	3703	1/1	0.89	0.11	-	56,56,56,56	0
56	MG	2a	3099	1/1	0.76	0.14	-	74,74,74,74	0
56	MG	1A	3647	1/1	0.92	0.22	-	29,29,29,29	0
56	MG	1A	3912	1/1	0.49	0.30	-	80,80,80,80	0
56	MG	2r	102	1/1	0.88	0.10	-	73,73,73,73	0
56	MG	1A	3548	1/1	0.87	0.12	-	49,49,49,49	0
56	MG	2A	3280	1/1	0.92	0.17	-	54,54,54,54	0
56	MG	2A	3401	1/1	0.96	0.16	-	52,52,52,52	0
56	MG	1A	3121	1/1	0.97	0.20	-	43,43,43,43	0
56	MG	1A	4015	1/1	0.97	0.14	-	37,37,37,37	0
56	MG	1a	1718	1/1	0.85	0.11	-	70,70,70,70	0
56	MG	2A	3868	1/1	0.63	0.16	-	69,69,69,69	0
56	MG	1W	204	1/1	0.92	0.14	-	40,40,40,40	0
56	MG	1A	3934	1/1	0.74	0.11	-	44,44,44,44	0
56	MG	1a	1799	1/1	0.95	0.08	-	49,49,49,49	0
56	MG	2a	3027	1/1	0.87	0.18	-	61,61,61,61	0
56	MG	1x	109	1/1	0.93	0.10	-	82,82,82,82	0
56	MG	1A	3082	1/1	0.95	0.27	-	49,49,49,49	0
56	MG	1A	3150	1/1	0.96	0.22	-	50,50,50,50	0
56	MG	1A	4028	1/1	0.92	0.12	-	69,69,69,69	0
56	MG	1A	3801	1/1	0.94	0.17	-	28,28,28,28	0
56	MG	2A	3772	1/1	0.93	0.14	-	53,53,53,53	0
56	MG	1A	3593	1/1	0.97	0.18	-	56,56,56,56	0
56	MG	2A	3166	1/1	0.96	0.29	-	47,47,47,47	0
56	MG	2A	3578	1/1	0.98	0.09	-	39,39,39,39	0
56	MG	1a	1816	1/1	0.98	0.13	-	48,48,48,48	0
56	MG	2A	3861	1/1	0.91	0.13	-	36,36,36,36	0
56	MG	1N	206	1/1	0.97	0.29	-	42,42,42,42	0
56	MG	2a	3143	1/1	0.82	0.07	-	73,73,73,73	0
56	MG	2a	3167	1/1	0.96	0.09	-	69,69,69,69	0
56	MG	1a	1746	1/1	0.85	0.08	-	84,84,84,84	0
56	MG	1a	1768	1/1	0.97	0.06	-	53,53,53,53	0
56	MG	2F	302	1/1	0.89	0.16	-	53,53,53,53	0
56	MG	1A	3851	1/1	0.86	0.14	-	62,62,62,62	0
56	MG	1A	3829	1/1	0.85	0.13	-	59,59,59,59	0
56	MG	1A	4060	1/1	0.87	0.10	-	37,37,37,37	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors(\AA^2)	Q<0.9
56	MG	1a	1645	1/1	0.83	0.22	-	80,80,80,80	0
56	MG	1a	1794	1/1	0.87	0.14	-	52,52,52,52	0
56	MG	2A	3031	1/1	0.96	0.06	-	45,45,45,45	0
56	MG	2A	3818	1/1	0.75	0.31	-	66,66,66,66	0
56	MG	1A	4066	1/1	0.88	0.11	-	71,71,71,71	0
56	MG	1A	3692	1/1	0.83	0.29	-	64,64,64,64	0
56	MG	1A	3413	1/1	0.98	0.21	-	36,36,36,36	0
56	MG	1x	108	1/1	0.92	0.15	-	63,63,63,63	0
56	MG	2A	3134	1/1	0.78	0.26	-	72,72,72,72	0
56	MG	1A	3026	1/1	0.84	0.10	-	60,60,60,60	0
56	MG	2A	3110	1/1	0.85	0.16	-	58,58,58,58	0
56	MG	2A	3159	1/1	0.96	0.16	-	53,53,53,53	0
56	MG	1A	3417	1/1	0.81	0.17	-	51,51,51,51	0
56	MG	1A	3994	1/1	0.56	0.33	-	76,76,76,76	0
56	MG	2a	3170	1/1	0.86	0.10	-	80,80,80,80	0
56	MG	2A	3771	1/1	0.92	0.13	-	39,39,39,39	0
56	MG	2A	3186	1/1	0.91	0.14	-	54,54,54,54	0
56	MG	1x	101	1/1	0.59	0.09	-	56,56,56,56	0
56	MG	1A	3507	1/1	0.83	0.21	-	51,51,51,51	0
56	MG	2a	3069	1/1	0.85	0.10	-	62,62,62,62	0
56	MG	1a	1803	1/1	0.76	0.22	-	73,73,73,73	0
56	MG	1a	1780	1/1	0.90	0.11	-	74,74,74,74	0
56	MG	1V	201	1/1	0.96	0.25	-	49,49,49,49	0
56	MG	1A	4006	1/1	0.83	0.11	-	76,76,76,76	0
56	MG	1a	1804	1/1	0.89	0.17	-	77,77,77,77	0
56	MG	2A	3511	1/1	0.97	0.17	-	24,24,24,24	0
56	MG	1A	4126	1/1	0.98	0.18	-	45,45,45,45	0
56	MG	1A	3089	1/1	0.90	0.26	-	48,48,48,48	0
56	MG	10	102	1/1	0.94	0.12	-	44,44,44,44	0
56	MG	2A	3738	1/1	0.86	0.19	-	59,59,59,59	0
56	MG	2a	3191	1/1	0.93	0.15	-	63,63,63,63	0
56	MG	1A	3908	1/1	0.96	0.09	-	65,65,65,65	0
56	MG	2A	3535	1/1	0.70	0.17	-	59,59,59,59	0
56	MG	2A	3789	1/1	0.88	0.10	-	49,49,49,49	0
56	MG	1A	3451	1/1	0.87	0.16	-	47,47,47,47	0
56	MG	1A	4053	1/1	0.91	0.37	-	37,37,37,37	0
56	MG	2A	3066	1/1	0.92	0.10	-	41,41,41,41	0
56	MG	1a	1684	1/1	0.90	0.14	-	60,60,60,60	0
56	MG	1a	1802	1/1	0.97	0.07	-	52,52,52,52	0
56	MG	1A	3419	1/1	0.90	0.15	-	60,60,60,60	0
56	MG	2A	3807	1/1	0.92	0.07	-	61,61,61,61	0
56	MG	1A	3059	1/1	0.95	0.15	-	48,48,48,48	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors(\AA^2)	Q<0.9
56	MG	1A	4138	1/1	0.97	0.26	-	43,43,43,43	0
56	MG	1A	3705	1/1	0.91	0.09	-	42,42,42,42	0
56	MG	2A	3575	1/1	0.94	0.11	-	39,39,39,39	0
56	MG	1A	3388	1/1	0.96	0.20	-	42,42,42,42	0
56	MG	1A	3254	1/1	0.96	0.22	-	53,53,53,53	0
56	MG	1A	3725	1/1	0.95	0.14	-	52,52,52,52	0
56	MG	2A	3675	1/1	0.92	0.17	-	55,55,55,55	0
56	MG	2a	3031	1/1	0.94	0.19	-	49,49,49,49	0
56	MG	1U	208	1/1	0.94	0.23	-	38,38,38,38	0
56	MG	2A	3706	1/1	0.98	0.12	-	47,47,47,47	0
56	MG	1A	3060	1/1	0.92	0.10	-	45,45,45,45	0
56	MG	1A	4041	1/1	0.93	0.14	-	36,36,36,36	0
56	MG	2A	3179	1/1	0.97	0.17	-	59,59,59,59	0
56	MG	2A	3608	1/1	0.80	0.09	-	61,61,61,61	0
56	MG	2A	3334	1/1	0.95	0.08	-	64,64,64,64	0
56	MG	1w	110	1/1	0.90	0.11	-	66,66,66,66	0
56	MG	2A	3348	1/1	0.94	0.20	-	48,48,48,48	0
56	MG	1A	3539	1/1	0.89	0.16	-	49,49,49,49	0
56	MG	2x	105	1/1	0.97	0.15	-	57,57,57,57	0
56	MG	1A	3530	1/1	0.86	0.21	-	63,63,63,63	0
56	MG	1A	3145	1/1	0.92	0.23	-	32,32,32,32	0
56	MG	1A	3678	1/1	0.94	0.12	-	61,61,61,61	0
56	MG	1B	3024	1/1	0.77	0.10	-	50,50,50,50	0
56	MG	2A	3716	1/1	0.72	0.63	-	55,55,55,55	0
56	MG	2a	3168	1/1	0.51	0.10	-	78,78,78,78	0
56	MG	1x	105	1/1	0.91	0.11	-	62,62,62,62	0
56	MG	2a	3169	1/1	0.97	0.08	-	51,51,51,51	0
56	MG	2A	3730	1/1	0.91	0.18	-	43,43,43,43	0
56	MG	1a	1687	1/1	0.91	0.18	-	50,50,50,50	0
56	MG	2a	3043	1/1	0.97	0.08	-	64,64,64,64	0
56	MG	2A	3526	1/1	0.86	0.09	-	41,41,41,41	0
56	MG	1O	204	1/1	0.75	0.12	-	58,58,58,58	0
56	MG	1O	205	1/1	0.96	0.08	-	44,44,44,44	0
56	MG	2A	3111	1/1	0.88	0.16	-	54,54,54,54	0
56	MG	2A	3540	1/1	0.61	0.13	-	47,47,47,47	0
56	MG	19	102	1/1	0.76	0.21	-	51,51,51,51	0
56	MG	1A	3219	1/1	0.93	0.16	-	37,37,37,37	0
56	MG	1B	3028	1/1	0.94	0.08	-	61,61,61,61	0
56	MG	2A	3295	1/1	0.81	0.14	-	63,63,63,63	0
56	MG	2a	3095	1/1	0.94	0.11	-	71,71,71,71	0
56	MG	1A	3039	1/1	0.98	0.17	-	36,36,36,36	0
56	MG	2A	3584	1/1	0.96	0.24	-	37,37,37,37	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors(\AA^2)	Q<0.9
56	MG	1A	4004	1/1	0.96	0.15	-	29,29,29,29	0
56	MG	2A	3054	1/1	0.93	0.19	-	54,54,54,54	0
56	MG	1A	3498	1/1	0.94	0.14	-	46,46,46,46	0
56	MG	1A	3950	1/1	0.92	0.09	-	41,41,41,41	0
56	MG	2O	8001	1/1	0.75	0.10	-	65,65,65,65	0
56	MG	1A	3075	1/1	0.90	0.11	-	28,28,28,28	0
56	MG	2A	3627	1/1	0.85	0.17	-	50,50,50,50	0
56	MG	2A	3843	1/1	0.81	0.17	-	58,58,58,58	0
56	MG	2W	202	1/1	0.78	0.22	-	58,58,58,58	0
56	MG	1I	202	1/1	0.86	0.13	-	69,69,69,69	0
56	MG	2a	3040	1/1	0.79	0.09	-	57,57,57,57	0
56	MG	1A	3173	1/1	0.97	0.17	-	42,42,42,42	0
56	MG	2A	3817	1/1	0.92	0.08	-	56,56,56,56	0
56	MG	1A	3478	1/1	0.88	0.23	-	65,65,65,65	0
56	MG	2a	3144	1/1	0.79	0.08	-	83,83,83,83	0
56	MG	1A	3808	1/1	0.89	0.16	-	36,36,36,36	0
56	MG	1A	3411	1/1	0.99	0.18	-	43,43,43,43	0
56	MG	2A	3800	1/1	0.95	0.08	-	67,67,67,67	0
56	MG	1O	206	1/1	0.87	0.24	-	84,84,84,84	0
56	MG	1a	1810	1/1	0.97	0.07	-	51,51,51,51	0
56	MG	1A	3269	1/1	0.95	0.12	-	52,52,52,52	0
56	MG	1A	3925	1/1	0.97	0.17	-	14,14,14,14	0
56	MG	1A	3426	1/1	0.96	0.14	-	50,50,50,50	0
56	MG	1A	3476	1/1	0.93	0.16	-	52,52,52,52	0
56	MG	2A	3281	1/1	0.93	0.16	-	63,63,63,63	0
56	MG	1A	3833	1/1	0.89	0.09	-	60,60,60,60	0
56	MG	1A	4027	1/1	0.87	0.09	-	50,50,50,50	0
56	MG	2a	3230	1/1	0.75	0.12	-	63,63,63,63	0
56	MG	1A	3274	1/1	0.91	0.17	-	36,36,36,36	0
56	MG	1A	4061	1/1	0.76	0.17	-	72,72,72,72	0
56	MG	2a	3106	1/1	0.87	0.16	-	62,62,62,62	0
56	MG	1A	3234	1/1	0.90	0.42	-	54,54,54,54	0
56	MG	2A	3434	1/1	0.82	0.14	-	59,59,59,59	0
56	MG	1A	4029	1/1	0.81	0.08	-	53,53,53,53	0
56	MG	2A	3736	1/1	0.98	0.13	-	67,67,67,67	0
56	MG	1A	3968	1/1	0.89	0.09	-	62,62,62,62	0
56	MG	1A	3323	1/1	0.90	0.17	-	50,50,50,50	0
56	MG	2E	309	1/1	0.95	0.09	-	60,60,60,60	0
56	MG	2A	3268	1/1	0.90	0.18	-	63,63,63,63	0
56	MG	1Q	203	1/1	0.90	0.19	-	64,64,64,64	0
56	MG	1A	3181	1/1	0.96	0.14	-	54,54,54,54	0
56	MG	2A	3391	1/1	0.90	0.18	-	58,58,58,58	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors(\AA^2)	Q<0.9
56	MG	1A	3495	1/1	0.93	0.26	-	42,42,42,42	0
56	MG	1a	1697	1/1	0.81	0.22	-	63,63,63,63	0
56	MG	1A	3475	1/1	0.95	0.11	-	42,42,42,42	0
56	MG	1A	3453	1/1	0.96	0.17	-	57,57,57,57	0
56	MG	2a	3150	1/1	0.91	0.05	-	78,78,78,78	0
56	MG	1A	3935	1/1	0.97	0.08	-	50,50,50,50	0
56	MG	1A	3123	1/1	0.88	0.24	-	54,54,54,54	0
56	MG	2A	3397	1/1	0.92	0.17	-	54,54,54,54	0
56	MG	2a	3006	1/1	0.89	0.17	-	74,74,74,74	0
56	MG	1Z	301	1/1	0.91	0.27	-	56,56,56,56	0
56	MG	1a	1734	1/1	0.98	0.08	-	67,67,67,67	0
56	MG	1A	3188	1/1	0.96	0.17	-	49,49,49,49	0
56	MG	1A	3322	1/1	0.72	0.17	-	59,59,59,59	0
56	MG	2A	3572	1/1	0.90	0.11	-	44,44,44,44	0
56	MG	1A	3381	1/1	0.92	0.14	-	43,43,43,43	0
56	MG	2A	3851	1/1	0.96	0.08	-	46,46,46,46	0
56	MG	1A	3206	1/1	0.88	0.14	-	55,55,55,55	0
56	MG	2A	3765	1/1	0.94	0.13	-	53,53,53,53	0
56	MG	1A	3694	1/1	0.89	0.17	-	61,61,61,61	0
56	MG	2A	3372	1/1	0.96	0.24	-	41,41,41,41	0
56	MG	1A	3942	1/1	0.83	0.10	-	56,56,56,56	0
56	MG	2A	3249	1/1	0.88	0.13	-	57,57,57,57	0
56	MG	1a	1689	1/1	0.85	0.12	-	73,73,73,73	0
56	MG	1A	4056	1/1	0.91	0.12	-	47,47,47,47	0
56	MG	1A	3483	1/1	0.92	0.17	-	46,46,46,46	0
56	MG	1a	1783	1/1	0.86	0.23	-	83,83,83,83	0
56	MG	1A	3277	1/1	0.95	0.20	-	38,38,38,38	0
56	MG	2A	3454	1/1	0.96	0.21	-	58,58,58,58	0
56	MG	2a	3014	1/1	0.86	0.11	-	64,64,64,64	0
56	MG	1A	3794	1/1	0.83	0.28	-	61,61,61,61	0
56	MG	2a	3152	1/1	0.89	0.17	-	67,67,67,67	0
56	MG	1A	3983	1/1	0.86	0.13	-	48,48,48,48	0
56	MG	1x	112	1/1	0.93	0.14	-	71,71,71,71	0
56	MG	1A	3467	1/1	0.98	0.16	-	45,45,45,45	0
56	MG	2a	3184	1/1	0.97	0.16	-	54,54,54,54	0
56	MG	1A	3796	1/1	0.96	0.18	-	34,34,34,34	0
56	MG	2A	3501	1/1	0.85	0.12	-	59,59,59,59	0
56	MG	1A	3631	1/1	0.94	0.20	-	32,32,32,32	0
56	MG	1A	3696	1/1	0.84	0.21	-	61,61,61,61	0
56	MG	1A	3284	1/1	0.89	0.39	-	56,56,56,56	0
56	MG	1A	3689	1/1	0.97	0.23	-	51,51,51,51	0
56	MG	2a	3033	1/1	0.89	0.14	-	63,63,63,63	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors(\AA^2)	Q<0.9
56	MG	1A	3153	1/1	0.92	0.14	-	37,37,37,37	0
56	MG	1w	103	1/1	0.85	0.14	-	57,57,57,57	0
56	MG	1A	3091	1/1	0.96	0.22	-	43,43,43,43	0
56	MG	1a	1775	1/1	0.67	0.19	-	76,76,76,76	0
56	MG	1A	3677	1/1	0.96	0.15	-	29,29,29,29	0
56	MG	2A	3747	1/1	0.83	0.11	-	51,51,51,51	0
56	MG	2A	3825	1/1	0.94	0.12	-	58,58,58,58	0
56	MG	2a	3016	1/1	0.87	0.14	-	66,66,66,66	0
56	MG	1A	3771	1/1	0.96	0.18	-	49,49,49,49	0
56	MG	1a	1723	1/1	0.91	0.10	-	61,61,61,61	0
56	MG	2l	202	1/1	0.84	0.09	-	70,70,70,70	0
56	MG	2B	3017	1/1	0.90	0.11	-	65,65,65,65	0
56	MG	1A	3683	1/1	0.93	0.19	-	40,40,40,40	0
56	MG	2A	3774	1/1	0.91	0.11	-	51,51,51,51	0
56	MG	1A	3100	1/1	0.94	0.18	-	60,60,60,60	0
56	MG	1A	3268	1/1	0.91	0.18	-	59,59,59,59	0
56	MG	2A	3718	1/1	0.90	0.36	-	64,64,64,64	0
56	MG	2A	3320	1/1	0.83	0.15	-	54,54,54,54	0
56	MG	1A	3614	1/1	0.80	0.13	-	39,39,39,39	0
56	MG	1A	3622	1/1	0.96	0.16	-	36,36,36,36	0
56	MG	1A	3400	1/1	0.96	0.16	-	54,54,54,54	0
56	MG	2A	3078	1/1	0.95	0.20	-	25,25,25,25	0
56	MG	1A	3506	1/1	0.97	0.19	-	42,42,42,42	0
56	MG	1P	204	1/1	0.95	0.21	-	47,47,47,47	0
56	MG	2A	3470	1/1	0.74	0.15	-	56,56,56,56	0
56	MG	1A	3140	1/1	0.95	0.14	-	43,43,43,43	0
56	MG	1A	3017	1/1	0.93	0.14	-	54,54,54,54	0
56	MG	2A	3778	1/1	0.94	0.18	-	52,52,52,52	0
56	MG	2A	3732	1/1	0.91	0.13	-	42,42,42,42	0
56	MG	1A	3198	1/1	0.97	0.20	-	41,41,41,41	0
56	MG	1a	1764	1/1	0.94	0.06	-	59,59,59,59	0
56	MG	2A	3862	1/1	0.91	0.11	-	71,71,71,71	0
56	MG	2a	3171	1/1	0.77	0.09	-	73,73,73,73	0
56	MG	2A	3231	1/1	0.99	0.15	-	49,49,49,49	0
56	MG	1A	3404	1/1	0.85	0.23	-	59,59,59,59	0
56	MG	1A	3832	1/1	0.86	0.10	-	62,62,62,62	0
56	MG	1a	1738	1/1	0.58	0.21	-	66,66,66,66	0
56	MG	1A	3247	1/1	0.90	0.26	-	58,58,58,58	0
56	MG	2A	3277	1/1	0.96	0.17	-	50,50,50,50	0
56	MG	1A	3816	1/1	0.92	0.22	-	49,49,49,49	0
56	MG	1F	306	1/1	0.91	0.28	-	53,53,53,53	0
56	MG	1A	3398	1/1	0.94	0.31	-	58,58,58,58	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors(\AA^2)	Q<0.9
56	MG	2B	3001	1/1	0.93	0.16	-	62,62,62,62	0
56	MG	2A	3058	1/1	0.73	0.18	-	66,66,66,66	0
56	MG	2A	3815	1/1	0.90	0.14	-	48,48,48,48	0
56	MG	1l	203	1/1	0.94	0.14	-	63,63,63,63	0
56	MG	2a	3163	1/1	0.96	0.10	-	72,72,72,72	0
56	MG	2A	3698	1/1	0.84	0.12	-	51,51,51,51	0
56	MG	1w	108	1/1	0.95	0.07	-	63,63,63,63	0
56	MG	1A	3632	1/1	0.93	0.12	-	34,34,34,34	0
56	MG	1A	3377	1/1	0.84	0.21	-	54,54,54,54	0
56	MG	1A	3260	1/1	0.93	0.12	-	39,39,39,39	0
56	MG	1A	3389	1/1	0.98	0.20	-	53,53,53,53	0
56	MG	1Q	204	1/1	0.88	0.15	-	51,51,51,51	0
56	MG	1A	3839	1/1	0.90	0.08	-	66,66,66,66	0
56	MG	2A	3415	1/1	0.94	0.10	-	50,50,50,50	0
56	MG	2a	3142	1/1	0.69	0.15	-	74,74,74,74	0
56	MG	1A	3116	1/1	0.91	0.22	-	47,47,47,47	0
56	MG	1A	3569	1/1	0.89	0.25	-	54,54,54,54	0
56	MG	1A	3346	1/1	0.96	0.19	-	48,48,48,48	0
56	MG	1A	3443	1/1	0.94	0.27	-	54,54,54,54	0
56	MG	1A	3824	1/1	0.72	0.16	-	70,70,70,70	0
56	MG	2a	3062	1/1	0.85	0.20	-	70,70,70,70	0
56	MG	1A	3550	1/1	0.92	0.19	-	38,38,38,38	0
56	MG	1A	3472	1/1	0.97	0.24	-	56,56,56,56	0
56	MG	2A	3194	1/1	0.89	0.24	-	67,67,67,67	0
56	MG	2A	3105	1/1	0.85	0.09	-	51,51,51,51	0
56	MG	1A	3878	1/1	0.89	0.23	-	33,33,33,33	0
56	MG	1a	1759	1/1	0.92	0.13	-	64,64,64,64	0
56	MG	2A	3354	1/1	0.83	0.15	-	68,68,68,68	0
56	MG	1A	3365	1/1	0.91	0.31	-	53,53,53,53	0
56	MG	2A	3053	1/1	0.73	0.21	-	54,54,54,54	0
56	MG	2A	3573	1/1	0.89	0.11	-	42,42,42,42	0
56	MG	1A	3216	1/1	0.94	0.42	-	50,50,50,50	0
56	MG	2A	3639	1/1	0.99	0.17	-	34,34,34,34	0
56	MG	1a	1665	1/1	0.92	0.10	-	78,78,78,78	0
56	MG	2A	3266	1/1	0.84	0.12	-	59,59,59,59	0
56	MG	2a	3060	1/1	0.87	0.11	-	63,63,63,63	0
56	MG	1A	3295	1/1	0.94	0.14	-	48,48,48,48	0
56	MG	2B	3010	1/1	0.95	0.22	-	73,73,73,73	0
56	MG	2A	3676	1/1	0.92	0.09	-	48,48,48,48	0
56	MG	1A	3737	1/1	0.79	0.21	-	57,57,57,57	0
56	MG	2A	3425	1/1	0.93	0.16	-	58,58,58,58	0
56	MG	1a	1753	1/1	0.75	0.10	-	59,59,59,59	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors(\AA^2)	Q<0.9
56	MG	1A	3357	1/1	0.87	0.23	-	56,56,56,56	0
56	MG	2A	3065	1/1	0.91	0.20	-	57,57,57,57	0
56	MG	2A	3803	1/1	0.89	0.10	-	42,42,42,42	0
56	MG	2A	3169	1/1	0.84	0.22	-	73,73,73,73	0
56	MG	2A	3678	1/1	0.90	0.09	-	49,49,49,49	0
56	MG	1A	3160	1/1	0.93	0.23	-	41,41,41,41	0
56	MG	1B	3030	1/1	0.96	0.15	-	59,59,59,59	0
56	MG	1A	3922	1/1	0.89	0.10	-	57,57,57,57	0
56	MG	2A	3267	1/1	0.91	0.11	-	58,58,58,58	0
56	MG	2a	3088	1/1	0.76	0.20	-	62,62,62,62	0
56	MG	2A	3891	1/1	0.68	0.15	-	71,71,71,71	0
56	MG	1A	3161	1/1	0.98	0.27	-	38,38,38,38	0
56	MG	1A	3024	1/1	0.88	0.17	-	43,43,43,43	0
56	MG	1A	3776	1/1	0.86	0.20	-	75,75,75,75	0
56	MG	1A	3073	1/1	0.77	0.35	-	69,69,69,69	0
56	MG	2A	3852	1/1	0.91	0.12	-	49,49,49,49	0
56	MG	1A	3294	1/1	0.96	0.19	-	52,52,52,52	0
56	MG	2A	3328	1/1	0.94	0.20	-	39,39,39,39	0
56	MG	1A	3546	1/1	0.87	0.19	-	45,45,45,45	0
56	MG	1A	3613	1/1	0.91	0.13	-	33,33,33,33	0
56	MG	1A	4064	1/1	0.82	0.13	-	66,66,66,66	0
56	MG	1A	3570	1/1	0.94	0.22	-	54,54,54,54	0
56	MG	1a	1731	1/1	0.95	0.16	-	50,50,50,50	0
56	MG	2A	3863	1/1	0.92	0.05	-	58,58,58,58	0
56	MG	2a	3009	1/1	0.98	0.07	-	60,60,60,60	0
56	MG	2A	3680	1/1	0.95	0.05	-	62,62,62,62	0
56	MG	2A	3870	1/1	0.98	0.18	-	33,33,33,33	0
56	MG	2A	3865	1/1	0.59	0.17	-	71,71,71,71	0
56	MG	2A	3071	1/1	0.93	0.06	-	52,52,52,52	0
56	MG	2A	3418	1/1	0.92	0.09	-	61,61,61,61	0
56	MG	2A	3893	1/1	0.81	0.08	-	66,66,66,66	0
56	MG	1A	3656	1/1	0.93	0.10	-	46,46,46,46	0
56	MG	2a	3039	1/1	0.91	0.21	-	73,73,73,73	0
56	MG	1A	3538	1/1	0.97	0.13	-	54,54,54,54	0
56	MG	2A	3082	1/1	0.84	0.12	-	50,50,50,50	0
56	MG	1A	3573	1/1	0.90	0.09	-	60,60,60,60	0
56	MG	1A	3018	1/1	0.94	0.14	-	33,33,33,33	0
56	MG	2A	3873	1/1	0.98	0.12	-	40,40,40,40	0
56	MG	1A	3995	1/1	0.91	0.21	-	73,73,73,73	0
56	MG	2A	3322	1/1	0.88	0.11	-	60,60,60,60	0
56	MG	2A	3039	1/1	0.76	0.16	-	55,55,55,55	0
56	MG	2A	3556	1/1	0.82	0.16	-	43,43,43,43	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors(\AA^2)	Q<0.9
56	MG	1a	1814	1/1	0.96	0.26	-	55,55,55,55	0
56	MG	2A	3184	1/1	0.98	0.25	-	48,48,48,48	0
56	MG	2v	3002	1/1	0.94	0.09	-	77,77,77,77	0
56	MG	2A	3440	1/1	0.95	0.20	-	43,43,43,43	0
56	MG	2a	3115	1/1	0.92	0.09	-	57,57,57,57	0
56	MG	2A	3024	1/1	0.93	0.13	-	49,49,49,49	0
56	MG	2A	3335	1/1	0.76	0.17	-	59,59,59,59	0
56	MG	1A	3813	1/1	0.95	0.21	-	56,56,56,56	0
56	MG	1A	3058	1/1	0.71	0.19	-	54,54,54,54	0
56	MG	2y	3005	1/1	0.75	0.30	-	82,82,82,82	0
56	MG	1a	1784	1/1	0.78	0.25	-	74,74,74,74	0
56	MG	1A	3421	1/1	0.79	0.15	-	46,46,46,46	0
56	MG	2A	3775	1/1	0.96	0.12	-	38,38,38,38	0
56	MG	1A	3245	1/1	0.90	0.26	-	64,64,64,64	0
56	MG	1a	1624	1/1	0.93	0.15	-	50,50,50,50	0
56	MG	2A	3665	1/1	0.97	0.09	-	52,52,52,52	0
56	MG	2A	3246	1/1	0.93	0.12	-	65,65,65,65	0
56	MG	1A	3072	1/1	0.98	0.26	-	19,19,19,19	0
56	MG	1A	3489	1/1	0.88	0.19	-	44,44,44,44	0
56	MG	1A	3929	1/1	0.88	0.15	-	42,42,42,42	0
56	MG	1A	3579	1/1	0.90	0.17	-	44,44,44,44	0
56	MG	1A	3231	1/1	0.89	0.23	-	51,51,51,51	0
56	MG	2A	3148	1/1	0.92	0.16	-	52,52,52,52	0
56	MG	1A	3718	1/1	0.66	0.13	-	67,67,67,67	0
56	MG	2A	3218	1/1	0.95	0.19	-	61,61,61,61	0
56	MG	2a	3059	1/1	0.95	0.13	-	74,74,74,74	0
56	MG	1A	4000	1/1	0.95	0.18	-	34,34,34,34	0
56	MG	2a	3074	1/1	0.82	0.09	-	63,63,63,63	0
56	MG	2a	3007	1/1	0.88	0.11	-	71,71,71,71	0
56	MG	1F	301	1/1	0.92	0.16	-	40,40,40,40	0
56	MG	1A	3937	1/1	0.89	0.24	-	31,31,31,31	0
56	MG	2A	3672	1/1	0.94	0.23	-	45,45,45,45	0
56	MG	1A	3515	1/1	0.95	0.10	-	29,29,29,29	0
56	MG	1A	3837	1/1	0.97	0.23	-	21,21,21,21	0
56	MG	1A	3769	1/1	0.94	0.24	-	29,29,29,29	0
56	MG	1A	3979	1/1	0.94	0.09	-	73,73,73,73	0
56	MG	2y	3007	1/1	0.94	0.15	-	68,68,68,68	0
56	MG	2A	3827	1/1	0.88	0.12	-	58,58,58,58	0
56	MG	1A	3448	1/1	0.90	0.16	-	59,59,59,59	0
56	MG	15	102	1/1	0.93	0.19	-	39,39,39,39	0
56	MG	2a	3042	1/1	0.84	0.24	-	58,58,58,58	0
56	MG	1a	1666	1/1	0.92	0.14	-	59,59,59,59	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors(\AA^2)	Q<0.9
56	MG	1a	1664	1/1	0.90	0.25	-	62,62,62,62	0
56	MG	1A	3455	1/1	0.98	0.12	-	47,47,47,47	0
56	MG	2A	3909	1/1	0.96	0.15	-	43,43,43,43	0
56	MG	1A	3642	1/1	0.93	0.10	-	40,40,40,40	0
56	MG	1A	3136	1/1	0.93	0.08	-	52,52,52,52	0
56	MG	1a	1763	1/1	0.96	0.10	-	55,55,55,55	0
56	MG	2a	3220	1/1	0.91	0.12	-	66,66,66,66	0
56	MG	1A	3114	1/1	0.94	0.17	-	57,57,57,57	0
56	MG	1A	3599	1/1	0.97	0.16	-	21,21,21,21	0
56	MG	1B	3014	1/1	0.90	0.13	-	63,63,63,63	0
56	MG	1a	1633	1/1	0.93	0.21	-	60,60,60,60	0
56	MG	1A	4054	1/1	0.58	0.13	-	81,81,81,81	0
56	MG	1A	3587	1/1	0.90	0.21	-	38,38,38,38	0
56	MG	1a	1696	1/1	0.88	0.14	-	71,71,71,71	0
56	MG	2A	3321	1/1	0.93	0.13	-	54,54,54,54	0
56	MG	2A	3345	1/1	0.82	0.19	-	59,59,59,59	0
56	MG	1y	3003	1/1	0.92	0.23	-	71,71,71,71	0
56	MG	1A	3057	1/1	0.85	0.22	-	54,54,54,54	0
56	MG	1A	3710	1/1	0.91	0.12	-	68,68,68,68	0
56	MG	1A	3222	1/1	0.94	0.16	-	56,56,56,56	0
56	MG	1A	3325	1/1	0.88	0.21	-	64,64,64,64	0
56	MG	2A	3829	1/1	0.75	0.12	-	59,59,59,59	0
56	MG	1A	3894	1/1	0.83	0.10	-	73,73,73,73	0
56	MG	1A	3327	1/1	0.89	0.16	-	28,28,28,28	0
56	MG	2A	3256	1/1	0.94	0.31	-	53,53,53,53	0
56	MG	2A	3754	1/1	0.76	0.13	-	45,45,45,45	0
56	MG	25	103	1/1	0.94	0.21	-	52,52,52,52	0
56	MG	2A	3305	1/1	0.86	0.13	-	56,56,56,56	0
56	MG	1A	3452	1/1	0.94	0.23	-	58,58,58,58	0
56	MG	2A	3901	1/1	0.93	0.31	-	59,59,59,59	0
56	MG	2V	201	1/1	0.98	0.16	-	53,53,53,53	0
56	MG	2A	3788	1/1	0.91	0.10	-	53,53,53,53	0
56	MG	1A	3701	1/1	0.95	0.09	-	48,48,48,48	0
56	MG	1A	3087	1/1	0.84	0.22	-	32,32,32,32	0
56	MG	2A	3734	1/1	0.85	0.14	-	57,57,57,57	0
56	MG	2A	3512	1/1	0.89	0.12	-	53,53,53,53	0
56	MG	1B	3036	1/1	0.99	0.10	-	36,36,36,36	0
56	MG	2A	3361	1/1	0.93	0.15	-	51,51,51,51	0
56	MG	2a	3135	1/1	0.82	0.19	-	62,62,62,62	0
56	MG	2B	3005	1/1	0.79	0.13	-	53,53,53,53	0
56	MG	2A	3701	1/1	0.93	0.19	-	64,64,64,64	0
56	MG	2A	3417	1/1	0.89	0.10	-	41,41,41,41	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors(\AA^2)	Q<0.9
56	MG	2A	3740	1/1	0.81	0.17	-	53,53,53,53	0
56	MG	2y	3002	1/1	0.80	0.13	-	64,64,64,64	0
56	MG	2A	3753	1/1	0.91	0.13	-	45,45,45,45	0
56	MG	2A	3138	1/1	0.91	0.15	-	59,59,59,59	0
56	MG	2A	3289	1/1	0.87	0.13	-	47,47,47,47	0
56	MG	1a	1760	1/1	0.86	0.17	-	74,74,74,74	0
56	MG	2A	3027	1/1	0.98	0.32	-	48,48,48,48	0
56	MG	2a	3183	1/1	0.81	0.10	-	76,76,76,76	0
56	MG	1a	1606	1/1	0.94	0.17	-	65,65,65,65	0
56	MG	2A	3866	1/1	0.95	0.11	-	42,42,42,42	0
56	MG	1A	3080	1/1	0.89	0.26	-	42,42,42,42	0
56	MG	1A	3954	1/1	0.58	0.16	-	58,58,58,58	0
56	MG	1A	3702	1/1	0.99	0.15	-	34,34,34,34	0
56	MG	1A	3209	1/1	0.89	0.26	-	68,68,68,68	0
56	MG	1a	1766	1/1	0.67	0.17	-	76,76,76,76	0
56	MG	2A	3269	1/1	0.89	0.17	-	53,53,53,53	0
56	MG	2E	308	1/1	0.76	0.14	-	38,38,38,38	0
56	MG	2a	3226	1/1	0.97	0.07	-	64,64,64,64	0
56	MG	2a	3117	1/1	0.89	0.85	-	81,81,81,81	0
56	MG	2A	3682	1/1	0.93	0.15	-	70,70,70,70	0
56	MG	2x	101	1/1	0.93	0.10	-	42,42,42,42	0
56	MG	1f	3001	1/1	0.95	0.20	-	34,34,34,34	0
56	MG	2A	3398	1/1	0.94	0.30	-	55,55,55,55	0
56	MG	2a	3111	1/1	0.95	0.14	-	76,76,76,76	0
56	MG	1a	1781	1/1	0.83	0.11	-	71,71,71,71	0
56	MG	1x	113	1/1	0.93	0.19	-	62,62,62,62	0
56	MG	1a	1671	1/1	0.79	0.15	-	66,66,66,66	0
56	MG	2a	3225	1/1	0.88	0.10	-	57,57,57,57	0
56	MG	1A	3585	1/1	0.94	0.08	-	66,66,66,66	0
56	MG	2A	3549	1/1	0.86	0.15	-	58,58,58,58	0
56	MG	2A	3796	1/1	0.87	0.10	-	49,49,49,49	0
56	MG	1A	3108	1/1	0.87	0.45	-	43,43,43,43	0
56	MG	2a	3156	1/1	0.89	0.13	-	69,69,69,69	0
56	MG	1A	3432	1/1	0.75	0.14	-	54,54,54,54	0
56	MG	1A	3565	1/1	0.93	0.32	-	71,71,71,71	0
56	MG	1a	1801	1/1	0.95	0.07	-	53,53,53,53	0
56	MG	1A	3272	1/1	0.58	0.30	-	60,60,60,60	0
56	MG	2A	3196	1/1	0.90	0.14	-	56,56,56,56	0
56	MG	27	101	1/1	0.92	0.20	-	51,51,51,51	0
56	MG	1A	4005	1/1	0.95	0.11	-	50,50,50,50	0
56	MG	2A	3298	1/1	0.96	0.12	-	41,41,41,41	0
56	MG	1A	3407	1/1	0.87	0.36	-	65,65,65,65	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors(\AA^2)	Q<0.9
56	MG	2A	3402	1/1	0.86	0.17	-	50,50,50,50	0
56	MG	1A	3782	1/1	0.96	0.19	-	25,25,25,25	0
56	MG	1A	3527	1/1	0.88	0.30	-	40,40,40,40	0
56	MG	1a	1787	1/1	0.92	0.07	-	72,72,72,72	0
56	MG	1a	1798	1/1	0.94	0.14	-	56,56,56,56	0
56	MG	2A	3363	1/1	0.92	0.22	-	65,65,65,65	0
56	MG	2A	3779	1/1	0.95	0.08	-	56,56,56,56	0
56	MG	2A	3358	1/1	0.76	0.12	-	65,65,65,65	0
56	MG	2A	3451	1/1	0.93	0.19	-	56,56,56,56	0
56	MG	1a	1704	1/1	0.78	0.20	-	63,63,63,63	0
56	MG	1a	1715	1/1	0.98	0.11	-	49,49,49,49	0
56	MG	1A	3023	1/1	0.91	0.17	-	59,59,59,59	0
56	MG	2A	3283	1/1	0.94	0.24	-	61,61,61,61	0
56	MG	2A	3097	1/1	0.97	0.13	-	56,56,56,56	0
56	MG	2A	3824	1/1	0.57	0.14	-	78,78,78,78	0
56	MG	2A	3600	1/1	0.97	0.15	-	40,40,40,40	0
56	MG	2A	3878	1/1	0.88	0.10	-	49,49,49,49	0
56	MG	2A	3860	1/1	0.87	0.12	-	59,59,59,59	0
56	MG	1A	3560	1/1	0.86	0.22	-	55,55,55,55	0
56	MG	1A	3917	1/1	0.84	0.17	-	80,80,80,80	0
56	MG	1A	3499	1/1	0.90	0.11	-	49,49,49,49	0
56	MG	2A	3385	1/1	0.96	0.24	-	52,52,52,52	0
56	MG	2A	3724	1/1	0.95	0.06	-	57,57,57,57	0
56	MG	2A	3797	1/1	0.95	0.15	-	52,52,52,52	0
56	MG	2A	3388	1/1	0.93	0.18	-	56,56,56,56	0
56	MG	25	105	1/1	0.90	0.09	-	58,58,58,58	0
56	MG	2A	3376	1/1	0.94	0.13	-	58,58,58,58	0
56	MG	1A	3623	1/1	0.82	0.21	-	59,59,59,59	0
56	MG	1A	3009	1/1	0.95	0.12	-	24,24,24,24	0
56	MG	2A	3896	1/1	0.89	0.18	-	39,39,39,39	0
56	MG	1X	102	1/1	0.91	0.22	-	46,46,46,46	0
56	MG	1A	3768	1/1	0.87	0.17	-	61,61,61,61	0
56	MG	1A	3492	1/1	0.80	0.29	-	52,52,52,52	0
56	MG	2A	3307	1/1	0.73	0.16	-	68,68,68,68	0
56	MG	1A	4094	1/1	0.90	0.09	-	37,37,37,37	0
56	MG	2A	3292	1/1	0.91	0.11	-	54,54,54,54	0
56	MG	2A	3741	1/1	0.77	0.12	-	61,61,61,61	0
56	MG	1A	3651	1/1	0.94	0.22	-	32,32,32,32	0
56	MG	1A	3267	1/1	0.94	0.15	-	57,57,57,57	0
56	MG	2B	3020	1/1	0.91	0.20	-	78,78,78,78	0
56	MG	1A	3920	1/1	0.96	0.14	-	44,44,44,44	0
56	MG	1B	3011	1/1	0.85	0.16	-	55,55,55,55	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors(\AA^2)	Q<0.9
56	MG	2a	3024	1/1	0.86	0.11	-	72,72,72,72	0
56	MG	2a	3021	1/1	0.98	0.14	-	65,65,65,65	0
56	MG	2A	3679	1/1	0.98	0.11	-	41,41,41,41	0
56	MG	1A	3709	1/1	0.88	0.31	-	52,52,52,52	0
56	MG	1A	3218	1/1	0.78	0.22	-	62,62,62,62	0
56	MG	1A	3178	1/1	0.97	0.26	-	21,21,21,21	0
56	MG	1A	3823	1/1	0.90	0.18	-	65,65,65,65	0
56	MG	2a	3081	1/1	0.83	0.18	-	49,49,49,49	0
56	MG	1A	3779	1/1	0.94	0.10	-	56,56,56,56	0
56	MG	2A	3205	1/1	0.89	0.22	-	52,52,52,52	0
56	MG	2A	3583	1/1	0.93	0.16	-	69,69,69,69	0
56	MG	1A	3868	1/1	0.96	0.15	-	47,47,47,47	0
56	MG	1A	3052	1/1	0.93	0.15	-	56,56,56,56	0
56	MG	1a	1773	1/1	0.78	0.14	-	90,90,90,90	0
56	MG	1A	3049	1/1	0.97	0.23	-	26,26,26,26	0
56	MG	2a	3214	1/1	0.69	0.16	-	91,91,91,91	0
56	MG	2A	3847	1/1	0.98	0.06	-	42,42,42,42	0
56	MG	2A	3161	1/1	0.93	0.18	-	44,44,44,44	0
56	MG	2A	3830	1/1	0.81	0.19	-	48,48,48,48	0
56	MG	1A	3940	1/1	0.63	0.12	-	48,48,48,48	0
56	MG	2A	3805	1/1	0.84	0.26	-	77,77,77,77	0
56	MG	1A	3886	1/1	0.91	0.13	-	57,57,57,57	0
56	MG	2A	3177	1/1	0.94	0.15	-	63,63,63,63	0
56	MG	2a	3224	1/1	0.88	0.20	-	74,74,74,74	0
56	MG	2A	3149	1/1	0.89	0.22	-	54,54,54,54	0
56	MG	2A	3085	1/1	0.87	0.12	-	44,44,44,44	0
56	MG	1A	3349	1/1	0.81	0.20	-	44,44,44,44	0
56	MG	2A	3244	1/1	0.88	0.09	-	54,54,54,54	0
56	MG	25	104	1/1	0.94	0.11	-	43,43,43,43	0
56	MG	1A	3304	1/1	0.94	0.29	-	55,55,55,55	0
56	MG	1A	3301	1/1	0.97	0.05	-	54,54,54,54	0
56	MG	1A	3957	1/1	0.97	0.11	-	55,55,55,55	0
56	MG	2A	3073	1/1	0.88	0.11	-	36,36,36,36	0
56	MG	2A	3602	1/1	0.95	0.14	-	42,42,42,42	0
56	MG	1a	1674	1/1	0.85	0.17	-	72,72,72,72	0
56	MG	1B	3013	1/1	0.95	0.09	-	55,55,55,55	0
56	MG	1A	3391	1/1	0.92	0.20	-	41,41,41,41	0
56	MG	2A	3135	1/1	0.93	0.20	-	43,43,43,43	0
56	MG	1A	3830	1/1	0.24	0.16	-	66,66,66,66	0
56	MG	1d	502	1/1	0.90	0.23	-	67,67,67,67	0
56	MG	2Y	502	1/1	0.93	0.25	-	54,54,54,54	0
56	MG	2A	3238	1/1	0.90	0.39	-	56,56,56,56	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors(\AA^2)	Q<0.9
56	MG	2B	3016	1/1	0.83	0.13	-	81,81,81,81	0
56	MG	1a	1811	1/1	0.75	0.08	-	77,77,77,77	0
56	MG	2a	3121	1/1	0.80	0.24	-	75,75,75,75	0
56	MG	1A	3257	1/1	0.74	0.24	-	68,68,68,68	0
56	MG	1w	104	1/1	0.95	0.13	-	69,69,69,69	0
56	MG	2A	3240	1/1	0.95	0.13	-	40,40,40,40	0
56	MG	2A	3075	1/1	0.92	0.19	-	37,37,37,37	0
56	MG	2a	3002	1/1	0.87	0.10	-	50,50,50,50	0
56	MG	2w	104	1/1	0.86	0.14	-	69,69,69,69	0
56	MG	1A	3402	1/1	0.95	0.23	-	54,54,54,54	0
56	MG	1a	1601	1/1	0.85	0.11	-	53,53,53,53	0
56	MG	2A	3845	1/1	0.95	0.13	-	42,42,42,42	0
56	MG	2A	3293	1/1	0.93	0.13	-	50,50,50,50	0
56	MG	1A	3169	1/1	0.79	0.23	-	55,55,55,55	0
56	MG	2a	3086	1/1	0.93	0.11	-	57,57,57,57	0
56	MG	2A	3605	1/1	0.90	0.15	-	51,51,51,51	0
56	MG	2A	3429	1/1	0.92	0.11	-	65,65,65,65	0
56	MG	1A	3980	1/1	0.64	0.11	-	74,74,74,74	0
56	MG	1a	1729	1/1	0.93	0.20	-	61,61,61,61	0
56	MG	2A	3399	1/1	0.90	0.15	-	60,60,60,60	0
56	MG	1A	3643	1/1	0.86	0.17	-	34,34,34,34	0
56	MG	2A	3382	1/1	0.93	0.07	-	50,50,50,50	0
56	MG	1A	3815	1/1	0.93	0.27	-	44,44,44,44	0
56	MG	2A	3489	1/1	0.94	0.17	-	41,41,41,41	0
56	MG	2A	3182	1/1	0.89	0.13	-	42,42,42,42	0
56	MG	2A	3310	1/1	0.95	0.15	-	62,62,62,62	0
56	MG	2A	3731	1/1	0.87	0.14	-	57,57,57,57	0
56	MG	1a	1714	1/1	0.88	0.14	-	66,66,66,66	0
56	MG	2A	3641	1/1	0.91	0.25	-	57,57,57,57	0
56	MG	1A	3580	1/1	0.91	0.27	-	39,39,39,39	0
56	MG	1A	3456	1/1	0.97	0.22	-	48,48,48,48	0
56	MG	2A	3130	1/1	0.91	0.19	-	53,53,53,53	0
56	MG	2A	3603	1/1	0.91	0.14	-	50,50,50,50	0
56	MG	1A	3742	1/1	0.94	0.13	-	64,64,64,64	0
56	MG	1A	3785	1/1	0.85	0.14	-	47,47,47,47	0
56	MG	1A	3766	1/1	0.90	0.08	-	47,47,47,47	0
56	MG	2A	3478	1/1	0.90	0.15	-	50,50,50,50	0
56	MG	1A	4102	1/1	0.93	0.10	-	45,45,45,45	0
56	MG	2a	3122	1/1	0.79	0.16	-	73,73,73,73	0
56	MG	2A	3671	1/1	0.92	0.10	-	46,46,46,46	0
56	MG	2N	8001	1/1	0.92	0.17	-	47,47,47,47	0
56	MG	2A	3393	1/1	0.95	0.09	-	48,48,48,48	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors(\AA^2)	Q<0.9
56	MG	2a	3019	1/1	0.93	0.11	-	57,57,57,57	0
56	MG	1a	1726	1/1	0.84	0.18	-	67,67,67,67	0
56	MG	1A	3799	1/1	0.93	0.18	-	57,57,57,57	0
56	MG	1A	3755	1/1	0.94	0.20	-	36,36,36,36	0
56	MG	1A	3463	1/1	0.96	0.16	-	53,53,53,53	0
56	MG	1A	3464	1/1	0.79	0.21	-	45,45,45,45	0
56	MG	2a	3196	1/1	0.93	0.11	-	64,64,64,64	0
56	MG	1A	4058	1/1	0.82	0.07	-	47,47,47,47	0
56	MG	1A	3235	1/1	0.90	0.25	-	66,66,66,66	0
56	MG	1A	3484	1/1	0.93	0.13	-	54,54,54,54	0
56	MG	2A	3859	1/1	0.87	0.10	-	53,53,53,53	0
57	K	1A	3584	1/1	0.95	0.13	-	58,58,58,58	0
56	MG	1A	3079	1/1	0.95	0.17	-	57,57,57,57	0
56	MG	2A	3052	1/1	0.83	0.16	-	58,58,58,58	0
56	MG	2A	3713	1/1	0.97	0.45	-	67,67,67,67	0
56	MG	1A	3371	1/1	0.91	0.14	-	45,45,45,45	0
56	MG	1A	3770	1/1	0.72	0.09	-	74,74,74,74	0
56	MG	1A	3217	1/1	0.93	0.29	-	47,47,47,47	0
56	MG	2a	3015	1/1	0.91	0.11	-	62,62,62,62	0
56	MG	2A	3421	1/1	0.93	0.16	-	61,61,61,61	0
56	MG	1A	3856	1/1	0.85	0.20	-	47,47,47,47	0
56	MG	1A	3440	1/1	0.82	0.17	-	50,50,50,50	0
56	MG	1A	3380	1/1	0.96	0.27	-	48,48,48,48	0
56	MG	1A	3528	1/1	0.95	0.17	-	45,45,45,45	0
56	MG	2A	3704	1/1	0.92	0.07	-	56,56,56,56	0
56	MG	1A	3331	1/1	0.93	0.23	-	54,54,54,54	0
56	MG	1A	3183	1/1	0.83	0.17	-	54,54,54,54	0
56	MG	1a	1815	1/1	0.85	0.07	-	64,64,64,64	0
56	MG	2A	3459	1/1	0.91	0.13	-	62,62,62,62	0
56	MG	1A	3758	1/1	0.88	0.10	-	71,71,71,71	0
56	MG	2B	3021	1/1	0.71	0.09	-	75,75,75,75	0
56	MG	2A	3810	1/1	0.71	0.20	-	51,51,51,51	0
56	MG	2A	3423	1/1	0.90	0.18	-	58,58,58,58	0
56	MG	1A	4128	1/1	0.92	0.32	-	43,43,43,43	0
56	MG	2a	3038	1/1	0.89	0.13	-	68,68,68,68	0
56	MG	2A	3291	1/1	0.72	0.15	-	56,56,56,56	0
56	MG	2A	3438	1/1	0.89	0.19	-	68,68,68,68	0
56	MG	1A	3373	1/1	0.93	0.24	-	52,52,52,52	0
56	MG	2A	3488	1/1	0.74	0.21	-	65,65,65,65	0
56	MG	1A	3090	1/1	0.90	0.16	-	54,54,54,54	0
56	MG	1A	3521	1/1	0.76	0.18	-	65,65,65,65	0
56	MG	2A	3116	1/1	0.93	0.23	-	68,68,68,68	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors(\AA^2)	Q<0.9
56	MG	1A	3872	1/1	0.96	0.23	-	33,33,33,33	0
56	MG	2A	3088	1/1	0.85	0.11	-	49,49,49,49	0
56	MG	2A	3539	1/1	0.91	0.16	-	62,62,62,62	0
56	MG	1a	1681	1/1	0.89	0.25	-	54,54,54,54	0
56	MG	1A	3883	1/1	0.95	0.16	-	68,68,68,68	0
56	MG	1A	3975	1/1	0.75	0.25	-	93,93,93,93	0
56	MG	1A	4045	1/1	0.79	0.10	-	38,38,38,38	0
56	MG	2A	3274	1/1	0.87	0.11	-	53,53,53,53	0
56	MG	2A	3712	1/1	0.82	0.15	-	63,63,63,63	0
56	MG	1A	3086	1/1	0.94	0.42	-	50,50,50,50	0
56	MG	2a	3219	1/1	0.91	0.07	-	65,65,65,65	0
56	MG	2A	3261	1/1	0.88	0.20	-	59,59,59,59	0
56	MG	1A	3715	1/1	0.97	0.09	-	54,54,54,54	0
56	MG	1A	3239	1/1	0.97	0.18	-	30,30,30,30	0
56	MG	2a	3045	1/1	0.94	0.06	-	65,65,65,65	0
56	MG	2A	3378	1/1	0.92	0.15	-	62,62,62,62	0
56	MG	2A	3230	1/1	0.90	0.13	-	48,48,48,48	0
56	MG	2A	3864	1/1	0.77	0.17	-	63,63,63,63	0
56	MG	1A	3422	1/1	0.96	0.24	-	38,38,38,38	0
56	MG	2A	3241	1/1	0.89	0.38	-	56,56,56,56	0
56	MG	2A	3510	1/1	0.86	0.18	-	46,46,46,46	0
56	MG	1A	3522	1/1	0.97	0.16	-	49,49,49,49	0
56	MG	1a	1622	1/1	0.93	0.28	-	62,62,62,62	0
56	MG	2a	3211	1/1	0.95	0.13	-	61,61,61,61	0
56	MG	1A	3542	1/1	0.89	0.21	-	75,75,75,75	0
56	MG	2a	3198	1/1	0.78	0.18	-	83,83,83,83	0
56	MG	1A	3232	1/1	0.92	0.10	-	47,47,47,47	0
56	MG	28	101	1/1	0.89	0.12	-	53,53,53,53	0
56	MG	2A	3894	1/1	0.95	0.15	-	55,55,55,55	0
56	MG	2A	3473	1/1	0.91	0.13	-	57,57,57,57	0
56	MG	2A	3684	1/1	0.82	0.10	-	44,44,44,44	0
56	MG	1A	3910	1/1	0.91	0.07	-	76,76,76,76	0
56	MG	2a	3186	1/1	0.94	0.12	-	53,53,53,53	0
56	MG	2A	3471	1/1	0.86	0.21	-	54,54,54,54	0
56	MG	1A	3457	1/1	0.95	0.16	-	59,59,59,59	0
56	MG	1A	3394	1/1	0.96	0.16	-	35,35,35,35	0
56	MG	1a	1683	1/1	0.94	0.14	-	61,61,61,61	0
56	MG	2A	3254	1/1	0.93	0.51	-	53,53,53,53	0
56	MG	2A	3197	1/1	0.93	0.12	-	57,57,57,57	0
56	MG	1A	3468	1/1	0.80	0.32	-	68,68,68,68	0
56	MG	1A	3518	1/1	0.85	0.17	-	48,48,48,48	0
56	MG	2A	3226	1/1	0.97	0.11	-	58,58,58,58	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors(\AA^2)	Q<0.9
56	MG	1A	3298	1/1	0.92	0.15	-	43,43,43,43	0
56	MG	1a	1713	1/1	0.90	0.08	-	68,68,68,68	0
56	MG	1A	3996	1/1	0.78	0.12	-	43,43,43,43	0
56	MG	2A	3356	1/1	0.88	0.30	-	55,55,55,55	0
56	MG	2A	3346	1/1	0.89	0.20	-	54,54,54,54	0
56	MG	1A	3352	1/1	0.89	0.22	-	64,64,64,64	0
56	MG	1A	3433	1/1	0.97	0.16	-	47,47,47,47	0
56	MG	1A	3155	1/1	0.93	0.20	-	47,47,47,47	0
56	MG	2x	103	1/1	0.93	0.13	-	64,64,64,64	0
56	MG	1a	1677	1/1	0.82	0.12	-	68,68,68,68	0
56	MG	2A	3681	1/1	0.94	0.08	-	50,50,50,50	0
56	MG	1A	3435	1/1	0.94	0.11	-	53,53,53,53	0
56	MG	2A	3858	1/1	0.96	0.13	-	43,43,43,43	0
56	MG	1A	4052	1/1	0.94	0.18	-	31,31,31,31	0
56	MG	2A	3119	1/1	0.90	0.19	-	47,47,47,47	0
56	MG	2A	3204	1/1	0.98	0.17	-	48,48,48,48	0
56	MG	1A	4007	1/1	0.69	0.09	-	86,86,86,86	0
56	MG	2A	3004	1/1	0.94	0.24	-	48,48,48,48	0
56	MG	2a	3227	1/1	0.90	0.12	-	59,59,59,59	0
56	MG	1A	3713	1/1	0.96	0.18	-	62,62,62,62	0
56	MG	1A	3664	1/1	0.92	0.14	-	48,48,48,48	0
56	MG	2A	3816	1/1	0.96	0.25	-	57,57,57,57	0
56	MG	10	103	1/1	0.94	0.18	-	45,45,45,45	0
56	MG	2A	3727	1/1	0.93	0.15	-	51,51,51,51	0
56	MG	2E	305	1/1	0.95	0.11	-	40,40,40,40	0
56	MG	1A	3840	1/1	0.93	0.11	-	63,63,63,63	0
56	MG	2a	3066	1/1	0.92	0.14	-	54,54,54,54	0
56	MG	2A	3636	1/1	0.98	0.15	-	59,59,59,59	0
56	MG	1A	3031	1/1	0.98	0.17	-	31,31,31,31	0
56	MG	1a	1716	1/1	0.91	0.22	-	53,53,53,53	0
56	MG	1A	3988	1/1	0.98	0.07	-	68,68,68,68	0
56	MG	2A	3485	1/1	0.93	0.23	-	63,63,63,63	0
56	MG	2A	3798	1/1	0.92	0.28	-	52,52,52,52	0
56	MG	2a	3180	1/1	0.94	0.11	-	73,73,73,73	0
56	MG	2A	3656	1/1	0.75	0.17	-	77,77,77,77	0
56	MG	2A	3450	1/1	0.89	0.20	-	50,50,50,50	0
56	MG	1A	3382	1/1	0.84	0.17	-	54,54,54,54	0
56	MG	1a	1679	1/1	0.98	0.10	-	73,73,73,73	0
56	MG	1R	203	1/1	0.90	0.31	-	47,47,47,47	0
56	MG	1A	3582	1/1	0.97	0.20	-	54,54,54,54	0
56	MG	1G	3004	1/1	0.73	0.34	-	92,92,92,92	0
56	MG	1V	203	1/1	0.84	0.26	-	67,67,67,67	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors(\AA^2)	Q<0.9
56	MG	1B	3008	1/1	0.95	0.15	-	57,57,57,57	0
56	MG	1A	3629	1/1	0.97	0.21	-	32,32,32,32	0
56	MG	2A	3854	1/1	0.50	0.09	-	77,77,77,77	0
56	MG	1A	3982	1/1	0.91	0.26	-	29,29,29,29	0
56	MG	1A	3655	1/1	0.91	0.12	-	39,39,39,39	0
56	MG	1A	3132	1/1	0.92	0.26	-	40,40,40,40	0
56	MG	2A	3821	1/1	0.84	0.18	-	79,79,79,79	0
56	MG	1a	1757	1/1	0.93	0.10	-	48,48,48,48	0
56	MG	1A	3362	1/1	0.89	0.24	-	54,54,54,54	0
56	MG	1A	3763	1/1	0.95	0.15	-	52,52,52,52	0
56	MG	1A	3581	1/1	0.83	0.16	-	58,58,58,58	0
56	MG	2A	3340	1/1	0.95	0.26	-	51,51,51,51	0
56	MG	1A	3255	1/1	0.95	0.24	-	47,47,47,47	0
56	MG	1A	3500	1/1	0.97	0.18	-	38,38,38,38	0
56	MG	2A	3329	1/1	0.91	0.41	-	56,56,56,56	0
56	MG	1A	3271	1/1	0.96	0.12	-	50,50,50,50	0
56	MG	2a	3190	1/1	0.98	0.07	-	66,66,66,66	0
56	MG	1A	3557	1/1	0.90	0.32	-	60,60,60,60	0
56	MG	2A	3324	1/1	0.94	0.09	-	41,41,41,41	0
56	MG	2A	3836	1/1	0.82	0.23	-	42,42,42,42	0
56	MG	1a	1725	1/1	0.96	0.20	-	55,55,55,55	0
56	MG	1A	3447	1/1	0.87	0.15	-	46,46,46,46	0
56	MG	2a	3205	1/1	0.99	0.22	-	70,70,70,70	0
56	MG	2A	3284	1/1	0.89	0.16	-	59,59,59,59	0
56	MG	2a	3243	1/1	0.95	0.13	-	64,64,64,64	0
56	MG	2A	3702	1/1	0.94	0.07	-	49,49,49,49	0
56	MG	1A	3441	1/1	0.87	0.10	-	56,56,56,56	0
56	MG	2A	3353	1/1	0.83	0.19	-	65,65,65,65	0
56	MG	2A	3221	1/1	0.98	0.10	-	48,48,48,48	0
56	MG	1A	3862	1/1	0.90	0.22	-	43,43,43,43	0
56	MG	2A	3195	1/1	0.86	0.21	-	56,56,56,56	0
56	MG	2A	3630	1/1	0.93	0.16	-	69,69,69,69	0
56	MG	1A	3901	1/1	0.90	0.21	-	43,43,43,43	0
56	MG	2a	3160	1/1	0.91	0.09	-	49,49,49,49	0
56	MG	2x	104	1/1	0.92	0.24	-	60,60,60,60	0
56	MG	2A	3806	1/1	0.93	0.11	-	66,66,66,66	0
56	MG	2a	3197	1/1	0.82	0.09	-	69,69,69,69	0
56	MG	1A	3847	1/1	0.93	0.09	-	48,48,48,48	0
56	MG	10	105	1/1	0.90	0.17	-	70,70,70,70	0
56	MG	2a	3058	1/1	0.83	0.20	-	73,73,73,73	0
56	MG	1f	3002	1/1	0.86	0.28	-	80,80,80,80	0
56	MG	2A	3286	1/1	0.88	0.20	-	55,55,55,55	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors(\AA^2)	Q<0.9
56	MG	2A	3077	1/1	0.86	0.15	-	45,45,45,45	0
56	MG	1A	3110	1/1	0.90	0.12	-	42,42,42,42	0
56	MG	2R	201	1/1	0.91	0.11	-	48,48,48,48	0
56	MG	1A	3554	1/1	0.92	0.28	-	47,47,47,47	0
56	MG	1a	1678	1/1	0.91	0.18	-	63,63,63,63	0
56	MG	1A	3543	1/1	0.97	0.17	-	73,73,73,73	0
56	MG	2A	3793	1/1	0.87	0.16	-	56,56,56,56	0
56	MG	2A	3250	1/1	0.96	0.11	-	41,41,41,41	0
56	MG	1w	111	1/1	0.93	0.17	-	41,41,41,41	0
56	MG	2A	3783	1/1	0.90	0.25	-	58,58,58,58	0
56	MG	2A	3384	1/1	0.90	0.17	-	62,62,62,62	0
56	MG	2A	3041	1/1	0.93	0.20	-	49,49,49,49	0
56	MG	1A	3401	1/1	0.92	0.21	-	35,35,35,35	0
56	MG	1A	3479	1/1	0.94	0.17	-	38,38,38,38	0
56	MG	1A	3461	1/1	0.89	0.31	-	44,44,44,44	0
56	MG	23	101	1/1	0.94	0.32	-	61,61,61,61	0
56	MG	1A	3300	1/1	0.94	0.18	-	61,61,61,61	0
56	MG	2A	3068	1/1	0.95	0.14	-	56,56,56,56	0
56	MG	1A	3353	1/1	0.83	0.32	-	64,64,64,64	0
56	MG	1A	3788	1/1	0.92	0.10	-	59,59,59,59	0
56	MG	2A	3045	1/1	0.92	0.15	-	58,58,58,58	0
56	MG	2A	3048	1/1	0.97	0.12	-	41,41,41,41	0
56	MG	2A	3412	1/1	0.91	0.30	-	59,59,59,59	0
56	MG	2A	3239	1/1	0.88	0.40	-	52,52,52,52	0
56	MG	2A	3076	1/1	0.96	0.27	-	35,35,35,35	0
56	MG	1a	1685	1/1	0.91	0.14	-	51,51,51,51	0
56	MG	1w	102	1/1	0.97	0.17	-	61,61,61,61	0
56	MG	2A	3757	1/1	0.90	0.12	-	52,52,52,52	0
56	MG	1A	3854	1/1	0.92	0.12	-	51,51,51,51	0
56	MG	1A	3536	1/1	0.96	0.17	-	37,37,37,37	0
56	MG	2A	3338	1/1	0.84	0.22	-	62,62,62,62	0
56	MG	2a	3108	1/1	0.81	0.21	-	78,78,78,78	0
56	MG	2A	3457	1/1	0.97	0.34	-	57,57,57,57	0
56	MG	2A	3033	1/1	0.85	0.18	-	42,42,42,42	0
56	MG	2A	3257	1/1	0.94	0.19	-	65,65,65,65	0
56	MG	2A	3799	1/1	0.92	0.41	-	68,68,68,68	0
56	MG	1D	307	1/1	0.87	0.16	-	45,45,45,45	0
56	MG	2A	3227	1/1	0.88	0.18	-	57,57,57,57	0
56	MG	1A	4070	1/1	0.95	0.13	-	56,56,56,56	0
56	MG	2g	8001	1/1	0.85	0.12	-	75,75,75,75	0
56	MG	1A	3098	1/1	0.97	0.18	-	25,25,25,25	0
56	MG	1A	4095	1/1	0.70	0.17	-	67,67,67,67	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors(\AA^2)	Q<0.9
56	MG	1A	3985	1/1	0.94	0.17	-	23,23,23,23	0
56	MG	1A	3976	1/1	0.72	0.14	-	72,72,72,72	0
56	MG	2A	3220	1/1	0.82	0.27	-	68,68,68,68	0
56	MG	2A	3234	1/1	0.88	0.14	-	52,52,52,52	0
56	MG	2A	3217	1/1	0.97	0.22	-	64,64,64,64	0
56	MG	2a	3223	1/1	0.97	0.16	-	52,52,52,52	0
56	MG	1a	1647	1/1	0.91	0.16	-	65,65,65,65	0
56	MG	2A	3744	1/1	0.93	0.15	-	55,55,55,55	0
56	MG	2A	3294	1/1	0.86	0.12	-	52,52,52,52	0
56	MG	1A	3586	1/1	0.91	0.22	-	49,49,49,49	0
56	MG	2a	3057	1/1	0.88	0.14	-	71,71,71,71	0
56	MG	1A	3679	1/1	0.86	0.25	-	39,39,39,39	0
56	MG	2a	3233	1/1	0.95	0.44	-	68,68,68,68	0
56	MG	2a	3055	1/1	0.92	0.07	-	51,51,51,51	0
56	MG	2A	3422	1/1	0.88	0.15	-	58,58,58,58	0
56	MG	1D	311	1/1	0.87	0.20	-	56,56,56,56	0
56	MG	2A	3306	1/1	0.94	0.12	-	58,58,58,58	0
56	MG	1A	3249	1/1	0.95	0.30	-	56,56,56,56	0
56	MG	1A	3712	1/1	0.97	0.08	-	40,40,40,40	0
56	MG	1A	3387	1/1	0.94	0.25	-	54,54,54,54	0
56	MG	1a	1770	1/1	0.96	0.10	-	60,60,60,60	0
56	MG	1x	111	1/1	0.96	0.12	-	66,66,66,66	0
56	MG	1A	3719	1/1	0.91	0.11	-	50,50,50,50	0
56	MG	1A	3335	1/1	0.88	0.36	-	62,62,62,62	0
56	MG	1A	3071	1/1	0.93	0.31	-	38,38,38,38	0
56	MG	1A	3568	1/1	0.92	0.26	-	50,50,50,50	0
56	MG	1A	3363	1/1	0.80	0.28	-	60,60,60,60	0
56	MG	2A	3155	1/1	0.91	0.12	-	59,59,59,59	0
56	MG	2A	3190	1/1	0.89	0.19	-	45,45,45,45	0
56	MG	2A	3106	1/1	0.97	0.09	-	59,59,59,59	0
56	MG	2a	3207	1/1	0.89	0.14	-	74,74,74,74	0
56	MG	2A	3006	1/1	0.90	0.23	-	56,56,56,56	0
56	MG	2A	3175	1/1	0.94	0.06	-	65,65,65,65	0
56	MG	1B	3004	1/1	0.91	0.29	-	50,50,50,50	0
56	MG	2A	3780	1/1	0.81	0.22	-	80,80,80,80	0
56	MG	1A	3409	1/1	0.96	0.23	-	60,60,60,60	0
56	MG	2A	3102	1/1	0.99	0.04	-	56,56,56,56	0
56	MG	1A	3283	1/1	0.95	0.17	-	40,40,40,40	0
56	MG	1A	4009	1/1	0.97	0.21	-	27,27,27,27	0
56	MG	1a	1642	1/1	0.81	0.10	-	67,67,67,67	0
56	MG	1A	3454	1/1	0.93	0.20	-	59,59,59,59	0
56	MG	1A	3962	1/1	0.78	0.17	-	62,62,62,62	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors(\AA^2)	Q<0.9
56	MG	2A	3228	1/1	0.96	0.18	-	65,65,65,65	0
56	MG	1A	3211	1/1	0.95	0.14	-	49,49,49,49	0
56	MG	1a	1782	1/1	0.71	0.17	-	79,79,79,79	0
56	MG	2a	3089	1/1	0.95	0.06	-	65,65,65,65	0
56	MG	2A	3212	1/1	0.87	0.13	-	52,52,52,52	0
56	MG	1A	4103	1/1	0.78	0.22	-	67,67,67,67	0
56	MG	1A	3490	1/1	0.93	0.11	-	50,50,50,50	0
56	MG	1a	1646	1/1	0.87	0.19	-	51,51,51,51	0
56	MG	2X	102	1/1	0.96	0.16	-	56,56,56,56	0
56	MG	1A	3611	1/1	0.98	0.23	-	25,25,25,25	0
56	MG	2A	3258	1/1	0.92	0.16	-	58,58,58,58	0
56	MG	1a	1705	1/1	0.92	0.18	-	63,63,63,63	0
56	MG	1A	3289	1/1	0.95	0.09	-	52,52,52,52	0
56	MG	1A	3736	1/1	0.96	0.15	-	46,46,46,46	0
56	MG	2a	3075	1/1	0.91	0.15	-	49,49,49,49	0
56	MG	2a	3162	1/1	0.96	0.08	-	62,62,62,62	0
56	MG	2A	3371	1/1	0.97	0.11	-	48,48,48,48	0
56	MG	2a	3134	1/1	0.96	0.15	-	64,64,64,64	0
56	MG	2a	3030	1/1	0.70	0.19	-	61,61,61,61	0
56	MG	2a	3026	1/1	0.66	0.17	-	64,64,64,64	0
56	MG	2A	3120	1/1	0.93	0.09	-	51,51,51,51	0
56	MG	2a	3166	1/1	0.58	0.13	-	84,84,84,84	0
56	MG	2A	3464	1/1	0.98	0.40	-	54,54,54,54	0
56	MG	1a	1694	1/1	0.88	0.11	-	58,58,58,58	0
56	MG	1A	3312	1/1	0.89	0.18	-	59,59,59,59	0
56	MG	1A	3827	1/1	0.95	0.25	-	50,50,50,50	0
56	MG	2A	3784	1/1	0.90	0.10	-	47,47,47,47	0
56	MG	1A	3786	1/1	0.18	0.32	-	81,81,81,81	0
56	MG	1A	3462	1/1	0.98	0.13	-	32,32,32,32	0
56	MG	1A	3502	1/1	0.94	0.26	-	49,49,49,49	0
56	MG	2a	3148	1/1	0.76	0.16	-	77,77,77,77	0
56	MG	2a	3126	1/1	0.90	0.09	-	69,69,69,69	0
56	MG	2A	3885	1/1	0.88	0.33	-	54,54,54,54	0
56	MG	2A	3875	1/1	0.88	0.50	-	76,76,76,76	0
56	MG	2A	3104	1/1	0.91	0.11	-	53,53,53,53	0
56	MG	2A	3275	1/1	0.83	0.19	-	58,58,58,58	0
56	MG	1A	3408	1/1	0.88	0.19	-	60,60,60,60	0
56	MG	2a	3093	1/1	0.82	0.15	-	64,64,64,64	0
56	MG	2a	3054	1/1	0.91	0.14	-	65,65,65,65	0
56	MG	1A	3258	1/1	0.90	0.17	-	33,33,33,33	0
56	MG	2E	307	1/1	0.78	0.13	-	54,54,54,54	0
56	MG	1A	3777	1/1	0.95	0.13	-	55,55,55,55	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors(\AA^2)	Q<0.9
56	MG	1A	3337	1/1	0.89	0.30	-	48,48,48,48	0
56	MG	20	3002	1/1	0.98	0.07	-	63,63,63,63	0
56	MG	1A	4046	1/1	0.95	0.13	-	30,30,30,30	0
56	MG	1S	3003	1/1	0.94	0.13	-	59,59,59,59	0
56	MG	2A	3357	1/1	0.98	0.10	-	39,39,39,39	0
56	MG	1A	3879	1/1	0.77	0.16	-	51,51,51,51	0
56	MG	2A	3751	1/1	0.94	0.12	-	61,61,61,61	0
56	MG	2A	3543	1/1	0.85	0.14	-	34,34,34,34	0
56	MG	2A	3337	1/1	0.90	0.09	-	47,47,47,47	0
56	MG	2A	3264	1/1	0.95	0.10	-	62,62,62,62	0
56	MG	2A	3318	1/1	0.93	0.15	-	48,48,48,48	0
56	MG	2A	3770	1/1	0.86	0.13	-	57,57,57,57	0
56	MG	2A	3247	1/1	0.84	0.12	-	51,51,51,51	0
56	MG	1a	1755	1/1	0.79	0.12	-	74,74,74,74	0
56	MG	1a	1750	1/1	0.94	0.10	-	85,85,85,85	0
56	MG	1A	3430	1/1	0.95	0.10	-	47,47,47,47	0
56	MG	1a	1640	1/1	0.95	0.05	-	58,58,58,58	0
56	MG	1A	3645	1/1	0.87	0.21	-	37,37,37,37	0
56	MG	1F	305	1/1	0.91	0.22	-	48,48,48,48	0
56	MG	2a	3109	1/1	0.92	0.20	-	67,67,67,67	0
56	MG	2A	3342	1/1	0.62	0.21	-	59,59,59,59	0
56	MG	2a	3242	1/1	0.95	0.20	-	55,55,55,55	0
56	MG	2A	3655	1/1	0.96	0.12	-	65,65,65,65	0
56	MG	2A	3272	1/1	0.89	0.18	-	51,51,51,51	0
56	MG	2A	3278	1/1	0.93	0.18	-	57,57,57,57	0
56	MG	2A	3431	1/1	0.92	0.14	-	62,62,62,62	0
56	MG	2A	3658	1/1	0.96	0.13	-	55,55,55,55	0
56	MG	2w	103	1/1	0.97	0.10	-	56,56,56,56	0
56	MG	1A	3520	1/1	0.97	0.25	-	41,41,41,41	0
56	MG	2a	3188	1/1	0.91	0.12	-	68,68,68,68	0
56	MG	1A	4030	1/1	0.93	0.12	-	44,44,44,44	0
56	MG	1A	4034	1/1	0.93	0.08	-	51,51,51,51	0
56	MG	2a	3078	1/1	0.91	0.27	-	74,74,74,74	0
56	MG	1a	1812	1/1	0.88	0.07	-	70,70,70,70	0
56	MG	1a	1748	1/1	0.97	0.11	-	43,43,43,43	0
56	MG	1A	3723	1/1	0.82	0.11	-	47,47,47,47	0
56	MG	1A	3330	1/1	0.88	0.28	-	50,50,50,50	0
56	MG	2w	106	1/1	0.93	0.12	-	60,60,60,60	0
56	MG	1A	3474	1/1	0.86	0.30	-	60,60,60,60	0
56	MG	2y	3004	1/1	0.93	0.19	-	59,59,59,59	0
56	MG	1A	3932	1/1	0.95	0.19	-	45,45,45,45	0
56	MG	2A	3394	1/1	0.89	0.32	-	50,50,50,50	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors(\AA^2)	Q<0.9
56	MG	1A	3192	1/1	0.90	0.19	-	52,52,52,52	0
56	MG	2A	3763	1/1	0.94	0.12	-	52,52,52,52	0
56	MG	2A	3794	1/1	0.93	0.09	-	67,67,67,67	0
56	MG	1A	3749	1/1	0.94	0.15	-	41,41,41,41	0
56	MG	2A	3018	1/1	0.90	0.24	-	44,44,44,44	0
56	MG	1A	3618	1/1	0.96	0.07	-	56,56,56,56	0
56	MG	1A	3798	1/1	0.86	0.09	-	63,63,63,63	0
56	MG	1A	3410	1/1	0.92	0.07	-	57,57,57,57	0
56	MG	1A	3368	1/1	0.93	0.29	-	47,47,47,47	0
56	MG	1A	3497	1/1	0.90	0.20	-	33,33,33,33	0
56	MG	2A	3400	1/1	0.92	0.25	-	56,56,56,56	0
56	MG	2A	3424	1/1	0.90	0.19	-	50,50,50,50	0
56	MG	1A	3324	1/1	0.89	0.25	-	55,55,55,55	0
56	MG	1A	3662	1/1	0.96	0.14	-	30,30,30,30	0
56	MG	1A	3297	1/1	0.98	0.29	-	32,32,32,32	0
56	MG	2A	3625	1/1	0.92	0.14	-	69,69,69,69	0
56	MG	1a	1686	1/1	0.88	0.09	-	54,54,54,54	0
56	MG	2A	3072	1/1	0.93	0.10	-	46,46,46,46	0
56	MG	2a	3138	1/1	0.76	0.24	-	79,79,79,79	0
56	MG	2A	3729	1/1	0.95	0.12	-	41,41,41,41	0
56	MG	1A	3344	1/1	0.81	0.27	-	64,64,64,64	0
56	MG	2a	3068	1/1	0.91	0.16	-	72,72,72,72	0
56	MG	2a	3178	1/1	0.84	0.22	-	75,75,75,75	0
56	MG	2A	3566	1/1	0.98	0.14	-	33,33,33,33	0
56	MG	10	106	1/1	0.87	0.16	-	65,65,65,65	0
56	MG	2A	3010	1/1	0.89	0.19	-	51,51,51,51	0
56	MG	1A	3556	1/1	0.97	0.33	-	42,42,42,42	0
56	MG	1A	3084	1/1	0.96	0.15	-	34,34,34,34	0
56	MG	1A	3227	1/1	0.88	0.29	-	42,42,42,42	0
56	MG	1a	1809	1/1	0.90	0.08	-	56,56,56,56	0
56	MG	1A	3392	1/1	0.87	0.27	-	56,56,56,56	0
56	MG	2A	3725	1/1	0.97	0.11	-	49,49,49,49	0
56	MG	1A	3092	1/1	0.94	0.21	-	50,50,50,50	0
56	MG	1A	3987	1/1	0.90	0.17	-	32,32,32,32	0
56	MG	2a	3064	1/1	0.90	0.10	-	81,81,81,81	0
56	MG	1A	3117	1/1	0.96	0.38	-	39,39,39,39	0
56	MG	2a	3206	1/1	0.92	0.17	-	69,69,69,69	0
56	MG	1A	3317	1/1	0.94	0.17	-	47,47,47,47	0
56	MG	2A	3311	1/1	0.92	0.12	-	63,63,63,63	0
56	MG	1A	4082	1/1	0.95	0.25	-	38,38,38,38	0
56	MG	2A	3124	1/1	0.94	0.10	-	48,48,48,48	0
56	MG	1A	3348	1/1	0.81	0.19	-	62,62,62,62	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors(\AA^2)	Q<0.9
56	MG	2A	3189	1/1	0.89	0.11	-	52,52,52,52	0
56	MG	1A	3372	1/1	0.87	0.24	-	58,58,58,58	0
56	MG	2A	3495	1/1	0.94	0.15	-	51,51,51,51	0
56	MG	1A	3734	1/1	0.85	0.13	-	59,59,59,59	0
56	MG	2A	3387	1/1	0.87	0.20	-	59,59,59,59	0
56	MG	2A	3069	1/1	0.93	0.15	-	40,40,40,40	0
56	MG	2A	3509	1/1	0.96	0.16	-	38,38,38,38	0
56	MG	2A	3750	1/1	0.96	0.26	-	47,47,47,47	0
56	MG	1A	3238	1/1	0.79	0.17	-	57,57,57,57	0
56	MG	2A	3667	1/1	0.81	0.12	-	49,49,49,49	0
56	MG	1a	1693	1/1	0.93	0.08	-	58,58,58,58	0
56	MG	2A	3208	1/1	0.83	0.14	-	57,57,57,57	0
56	MG	2A	3008	1/1	0.86	0.14	-	49,49,49,49	0
56	MG	2A	3413	1/1	0.80	0.17	-	56,56,56,56	0
56	MG	1A	3814	1/1	0.98	0.17	-	45,45,45,45	0
56	MG	1A	3511	1/1	0.86	0.16	-	45,45,45,45	0
56	MG	1A	3826	1/1	0.95	0.14	-	42,42,42,42	0
56	MG	1A	3027	1/1	0.99	0.20	-	33,33,33,33	0
56	MG	1A	3660	1/1	0.89	0.25	-	31,31,31,31	0
56	MG	2w	108	1/1	0.76	0.15	-	66,66,66,66	0
56	MG	1A	3424	1/1	0.92	0.33	-	70,70,70,70	0
56	MG	1A	3510	1/1	0.94	0.11	-	45,45,45,45	0
56	MG	1a	1702	1/1	0.67	0.28	-	73,73,73,73	0
56	MG	1A	3609	1/1	0.89	0.14	-	50,50,50,50	0
56	MG	1w	109	1/1	0.91	0.10	-	67,67,67,67	0
56	MG	1A	3600	1/1	0.90	0.13	-	46,46,46,46	0
56	MG	2B	3007	1/1	0.94	0.25	-	55,55,55,55	0
56	MG	1B	3009	1/1	0.91	0.16	-	43,43,43,43	0
56	MG	2A	3872	1/1	0.62	0.07	-	44,44,44,44	0
56	MG	2A	3612	1/1	0.93	0.07	-	39,39,39,39	0
56	MG	2a	3008	1/1	0.92	0.26	-	68,68,68,68	0
56	MG	1A	3445	1/1	0.77	0.18	-	62,62,62,62	0
56	MG	1A	3296	1/1	0.98	0.25	-	58,58,58,58	0
56	MG	1A	4049	1/1	0.80	0.13	-	55,55,55,55	0
56	MG	2a	3176	1/1	0.88	0.11	-	62,62,62,62	0
56	MG	2A	3700	1/1	0.83	0.19	-	65,65,65,65	0
56	MG	1a	1739	1/1	0.97	0.05	-	36,36,36,36	0
56	MG	1A	3732	1/1	0.94	0.23	-	64,64,64,64	0
56	MG	1A	3795	1/1	0.73	0.23	-	51,51,51,51	0
56	MG	13	102	1/1	0.90	0.24	-	53,53,53,53	0
56	MG	1A	3204	1/1	0.95	0.27	-	26,26,26,26	0
56	MG	1a	1676	1/1	0.74	0.18	-	67,67,67,67	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors(\AA^2)	Q<0.9
56	MG	18	102	1/1	0.95	0.30	-	50,50,50,50	0
56	MG	2B	3018	1/1	0.94	0.18	-	65,65,65,65	0
56	MG	1A	3835	1/1	0.91	0.18	-	59,59,59,59	0
56	MG	1A	4134	1/1	0.92	0.32	-	46,46,46,46	0
56	MG	1A	4021	1/1	0.79	0.23	-	66,66,66,66	0
56	MG	1A	4131	1/1	0.93	0.19	-	58,58,58,58	0
56	MG	1A	3503	1/1	0.94	0.17	-	32,32,32,32	0
56	MG	1A	3293	1/1	0.96	0.25	-	50,50,50,50	0
56	MG	1A	3928	1/1	0.95	0.20	-	31,31,31,31	0
56	MG	2y	3003	1/1	0.95	0.11	-	70,70,70,70	0
56	MG	1A	3220	1/1	0.97	0.23	-	41,41,41,41	0
56	MG	2A	3494	1/1	0.96	0.27	-	50,50,50,50	0
56	MG	2A	3352	1/1	0.99	0.14	-	53,53,53,53	0
56	MG	2A	3137	1/1	0.95	0.09	-	42,42,42,42	0
56	MG	1A	3369	1/1	0.98	0.19	-	57,57,57,57	0
56	MG	1A	3050	1/1	0.98	0.28	-	32,32,32,32	0
56	MG	2A	3453	1/1	0.65	0.15	-	45,45,45,45	0
56	MG	1A	3875	1/1	0.27	0.24	-	60,60,60,60	0
56	MG	1A	3282	1/1	0.94	0.17	-	30,30,30,30	0
56	MG	1A	3003	1/1	0.98	0.15	-	27,27,27,27	0
56	MG	1A	3048	1/1	0.96	0.20	-	48,48,48,48	0
56	MG	2A	3820	1/1	0.98	0.07	-	49,49,49,49	0
56	MG	2A	3133	1/1	0.95	0.11	-	49,49,49,49	0
56	MG	1a	1602	1/1	0.95	0.10	-	72,72,72,72	0
56	MG	1A	3431	1/1	0.91	0.13	-	52,52,52,52	0
56	MG	1a	1621	1/1	0.94	0.15	-	42,42,42,42	0
56	MG	2A	3491	1/1	0.95	0.30	-	55,55,55,55	0
56	MG	1A	3633	1/1	0.98	0.16	-	58,58,58,58	0
56	MG	2A	3537	1/1	0.96	0.12	-	35,35,35,35	0
56	MG	1A	3958	1/1	0.94	0.10	-	44,44,44,44	0
56	MG	1A	3513	1/1	0.73	0.16	-	62,62,62,62	0
56	MG	1A	3316	1/1	0.91	0.19	-	58,58,58,58	0
56	MG	1a	1663	1/1	0.81	0.15	-	76,76,76,76	0
56	MG	1x	114	1/1	0.87	0.10	-	82,82,82,82	0
56	MG	1A	3341	1/1	0.93	0.30	-	55,55,55,55	0
56	MG	1A	3802	1/1	0.90	0.13	-	57,57,57,57	0
56	MG	1A	3747	1/1	0.84	0.21	-	53,53,53,53	0
56	MG	1A	4125	1/1	0.92	0.34	-	54,54,54,54	0
56	MG	2a	3123	1/1	0.96	0.10	-	54,54,54,54	0
56	MG	2a	3239	1/1	0.92	0.14	-	65,65,65,65	0
56	MG	2a	3065	1/1	0.85	0.24	-	57,57,57,57	0
56	MG	2a	3104	1/1	0.74	0.19	-	75,75,75,75	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors(\AA^2)	Q<0.9
56	MG	1A	4017	1/1	0.97	0.20	-	36,36,36,36	0
56	MG	2A	3285	1/1	0.93	0.12	-	49,49,49,49	0
56	MG	1A	3540	1/1	0.85	0.29	-	52,52,52,52	0
56	MG	2a	3235	1/1	0.93	0.06	-	71,71,71,71	0
56	MG	1A	4018	1/1	0.89	0.15	-	67,67,67,67	0
56	MG	1A	3197	1/1	0.98	0.19	-	52,52,52,52	0
56	MG	2A	3544	1/1	0.85	0.12	-	42,42,42,42	0
56	MG	1a	1636	1/1	0.81	0.21	-	67,67,67,67	0
56	MG	1A	3099	1/1	0.91	0.13	-	44,44,44,44	0
56	MG	1A	3259	1/1	0.90	0.16	-	40,40,40,40	0
56	MG	1P	201	1/1	0.96	0.13	-	26,26,26,26	0
56	MG	2A	3536	1/1	0.88	0.14	-	51,51,51,51	0
56	MG	1A	3674	1/1	0.90	0.16	-	39,39,39,39	0
56	MG	2a	3174	1/1	0.88	0.35	-	69,69,69,69	0
56	MG	1A	4135	1/1	0.90	0.23	-	44,44,44,44	0
56	MG	1A	3305	1/1	0.91	0.33	-	55,55,55,55	0
56	MG	2A	3317	1/1	0.88	0.13	-	55,55,55,55	0
56	MG	1I	3001	1/1	0.89	0.11	-	70,70,70,70	0
56	MG	1a	1623	1/1	0.92	0.14	-	60,60,60,60	0
56	MG	2a	3158	1/1	0.90	0.12	-	52,52,52,52	0
56	MG	1a	1732	1/1	0.96	0.16	-	48,48,48,48	0
56	MG	2A	3598	1/1	0.96	0.15	-	48,48,48,48	0
56	MG	1a	1610	1/1	0.84	0.46	-	79,79,79,79	0
56	MG	1A	3936	1/1	0.94	0.11	-	31,31,31,31	0
56	MG	1A	3067	1/1	0.98	0.18	-	51,51,51,51	0
56	MG	1A	3434	1/1	0.94	0.14	-	48,48,48,48	0
56	MG	1a	1695	1/1	0.95	0.15	-	68,68,68,68	0
56	MG	1A	3191	1/1	0.93	0.20	-	42,42,42,42	0
56	MG	1A	4036	1/1	0.91	0.08	-	43,43,43,43	0
56	MG	1A	4057	1/1	0.96	0.19	-	40,40,40,40	0
56	MG	1A	3853	1/1	0.79	0.10	-	52,52,52,52	0
56	MG	1A	3156	1/1	0.96	0.22	-	40,40,40,40	0
56	MG	1A	3564	1/1	0.90	0.19	-	40,40,40,40	0
56	MG	1A	3019	1/1	0.91	0.22	-	37,37,37,37	0
56	MG	2B	3012	1/1	0.96	0.23	-	55,55,55,55	0
56	MG	1A	3374	1/1	0.94	0.15	-	55,55,55,55	0
56	MG	2A	3773	1/1	0.93	0.05	-	63,63,63,63	0
56	MG	2A	3313	1/1	0.88	0.22	-	64,64,64,64	0
56	MG	2A	3101	1/1	0.79	0.15	-	59,59,59,59	0
56	MG	2A	3379	1/1	0.95	0.21	-	53,53,53,53	0
56	MG	2A	3589	1/1	0.91	0.09	-	45,45,45,45	0
56	MG	1A	3332	1/1	0.83	0.32	-	56,56,56,56	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors(\AA^2)	Q<0.9
56	MG	1A	3375	1/1	0.97	0.18	-	43,43,43,43	0
56	MG	1A	3085	1/1	0.99	0.26	-	30,30,30,30	0
56	MG	1a	1749	1/1	0.93	0.15	-	45,45,45,45	0
56	MG	1A	3993	1/1	0.95	0.14	-	37,37,37,37	0
56	MG	1Z	302	1/1	0.78	0.16	-	67,67,67,67	0
56	MG	2a	3036	1/1	0.85	0.18	-	83,83,83,83	0
56	MG	2A	3314	1/1	0.87	0.18	-	47,47,47,47	0
56	MG	1W	201	1/1	0.77	0.38	-	57,57,57,57	0
56	MG	2A	3323	1/1	0.90	0.13	-	56,56,56,56	0
56	MG	2A	3611	1/1	0.97	0.16	-	62,62,62,62	0
56	MG	1A	3973	1/1	0.90	0.10	-	85,85,85,85	0
56	MG	1A	3157	1/1	0.90	0.19	-	53,53,53,53	0
56	MG	1A	4092	1/1	0.94	0.22	-	37,37,37,37	0
56	MG	2A	3663	1/1	0.95	0.05	-	64,64,64,64	0
56	MG	2a	3127	1/1	0.66	0.15	-	85,85,85,85	0
56	MG	1A	3214	1/1	0.94	0.09	-	42,42,42,42	0
56	MG	2A	3154	1/1	0.98	0.14	-	48,48,48,48	0
56	MG	2A	3237	1/1	0.98	0.15	-	39,39,39,39	0
56	MG	1A	3625	1/1	0.97	0.17	-	19,19,19,19	0
56	MG	1A	3665	1/1	0.91	0.10	-	60,60,60,60	0
56	MG	1A	3138	1/1	0.96	0.23	-	36,36,36,36	0
56	MG	1A	4020	1/1	0.91	0.11	-	53,53,53,53	0
56	MG	2A	3531	1/1	0.86	0.23	-	51,51,51,51	0
56	MG	1A	3004	1/1	0.94	0.19	-	34,34,34,34	0
56	MG	2A	3644	1/1	0.86	0.21	-	64,64,64,64	0
56	MG	1A	4014	1/1	0.95	0.08	-	34,34,34,34	0
56	MG	2A	3336	1/1	0.97	0.18	-	53,53,53,53	0
56	MG	1a	1808	1/1	0.91	0.09	-	53,53,53,53	0
56	MG	2A	3270	1/1	0.94	0.10	-	53,53,53,53	0
56	MG	1Y	502	1/1	0.85	0.22	-	59,59,59,59	0
56	MG	2a	3137	1/1	0.71	0.18	-	79,79,79,79	0
56	MG	1A	3250	1/1	0.86	0.21	-	49,49,49,49	0
56	MG	2a	3085	1/1	0.94	0.11	-	65,65,65,65	0
56	MG	2a	3129	1/1	0.89	0.10	-	59,59,59,59	0
56	MG	1A	3491	1/1	0.88	0.15	-	59,59,59,59	0
56	MG	2A	3553	1/1	0.90	0.14	-	71,71,71,71	0
56	MG	1A	3102	1/1	0.94	0.17	-	54,54,54,54	0
56	MG	2F	301	1/1	0.88	0.18	-	58,58,58,58	0
56	MG	1a	1698	1/1	0.91	0.07	-	52,52,52,52	0
56	MG	2A	3777	1/1	0.89	0.15	-	41,41,41,41	0
56	MG	1A	3783	1/1	0.87	0.22	-	34,34,34,34	0
56	MG	1A	3291	1/1	0.92	0.13	-	59,59,59,59	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors(\AA^2)	Q<0.9
56	MG	1a	1680	1/1	0.88	0.09	-	64,64,64,64	0
56	MG	2A	3132	1/1	0.94	0.22	-	56,56,56,56	0
56	MG	1a	1661	1/1	0.81	0.14	-	70,70,70,70	0
56	MG	2A	3107	1/1	0.94	0.10	-	46,46,46,46	0
56	MG	1a	1635	1/1	0.62	0.13	-	75,75,75,75	0
56	MG	1A	3262	1/1	0.91	0.14	-	49,49,49,49	0
56	MG	1A	3064	1/1	0.97	0.20	-	53,53,53,53	0
56	MG	2A	3586	1/1	0.97	0.09	-	53,53,53,53	0
56	MG	2A	3365	1/1	0.88	0.11	-	56,56,56,56	0
56	MG	2A	3466	1/1	0.71	0.37	-	65,65,65,65	0
56	MG	1A	3844	1/1	0.95	0.17	-	54,54,54,54	0
56	MG	1A	4073	1/1	0.86	0.10	-	42,42,42,42	0
56	MG	2E	302	1/1	0.96	0.09	-	52,52,52,52	0
56	MG	2A	3315	1/1	0.89	0.22	-	54,54,54,54	0
56	MG	2A	3115	1/1	0.97	0.10	-	51,51,51,51	0
56	MG	2A	3406	1/1	0.74	0.27	-	55,55,55,55	0
56	MG	2A	3050	1/1	0.84	0.10	-	51,51,51,51	0
56	MG	2A	3296	1/1	0.97	0.20	-	45,45,45,45	0
56	MG	2A	3150	1/1	0.98	0.35	-	39,39,39,39	0
56	MG	2a	3063	1/1	0.66	0.15	-	74,74,74,74	0
56	MG	1A	3270	1/1	0.93	0.25	-	59,59,59,59	0
56	MG	1A	3340	1/1	0.92	0.27	-	58,58,58,58	0
56	MG	2A	3582	1/1	0.97	0.11	-	51,51,51,51	0
56	MG	2a	3056	1/1	0.84	0.14	-	63,63,63,63	0
56	MG	2A	3330	1/1	0.82	0.14	-	63,63,63,63	0
56	MG	1A	4069	1/1	0.92	0.12	-	42,42,42,42	0
56	MG	2a	3215	1/1	0.77	0.19	-	71,71,71,71	0
56	MG	1a	1793	1/1	0.95	0.25	-	82,82,82,82	0
56	MG	2A	3081	1/1	0.91	0.22	-	45,45,45,45	0
56	MG	1A	3256	1/1	0.95	0.10	-	57,57,57,57	0
56	MG	2A	3223	1/1	0.96	0.19	-	44,44,44,44	0
56	MG	1A	3244	1/1	0.93	0.21	-	49,49,49,49	0
56	MG	1a	1637	1/1	0.93	0.19	-	68,68,68,68	0
56	MG	1A	3261	1/1	0.79	0.25	-	55,55,55,55	0
56	MG	1A	3180	1/1	0.92	0.21	-	36,36,36,36	0
56	MG	2A	3719	1/1	0.93	0.20	-	57,57,57,57	0
56	MG	1A	3567	1/1	0.85	0.08	-	54,54,54,54	0
56	MG	1F	307	1/1	0.95	0.13	-	50,50,50,50	0
56	MG	1A	3899	1/1	0.96	0.16	-	52,52,52,52	0
56	MG	1a	1735	1/1	0.91	0.18	-	57,57,57,57	0
56	MG	1A	3949	1/1	0.63	0.13	-	63,63,63,63	0
56	MG	1A	3523	1/1	0.92	0.26	-	44,44,44,44	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors(\AA^2)	Q<0.9
56	MG	2A	3781	1/1	0.87	0.10	-	55,55,55,55	0
56	MG	1A	3081	1/1	0.95	0.18	-	34,34,34,34	0
56	MG	1A	3869	1/1	0.77	0.20	-	56,56,56,56	0
56	MG	2A	3017	1/1	0.92	0.24	-	52,52,52,52	0
56	MG	1A	3320	1/1	0.91	0.23	-	60,60,60,60	0
56	MG	1A	3438	1/1	0.84	0.21	-	50,50,50,50	0
56	MG	1B	3029	1/1	0.70	0.28	-	66,66,66,66	0
56	MG	1a	1788	1/1	0.65	0.10	-	69,69,69,69	0
56	MG	2i	8001	1/1	0.97	0.12	-	51,51,51,51	0
56	MG	1A	3425	1/1	0.88	0.17	-	55,55,55,55	0
56	MG	1A	3590	1/1	0.88	0.21	-	37,37,37,37	0
56	MG	1A	3175	1/1	0.96	0.21	-	40,40,40,40	0
56	MG	1A	3804	1/1	0.97	0.10	-	40,40,40,40	0
56	MG	2A	3243	1/1	0.87	0.10	-	52,52,52,52	0
56	MG	2A	3375	1/1	0.74	0.25	-	52,52,52,52	0
56	MG	1A	3531	1/1	0.82	0.16	-	67,67,67,67	0
56	MG	2a	3218	1/1	0.92	0.20	-	61,61,61,61	0
56	MG	2A	3403	1/1	0.84	0.18	-	60,60,60,60	0
56	MG	2a	3011	1/1	0.80	0.11	-	64,64,64,64	0
56	MG	1A	3671	1/1	0.62	0.27	-	67,67,67,67	0
56	MG	2A	3304	1/1	0.89	0.17	-	60,60,60,60	0
56	MG	2T	3003	1/1	0.92	0.13	-	63,63,63,63	0
56	MG	1A	3077	1/1	0.94	0.09	-	35,35,35,35	0
56	MG	1A	3299	1/1	0.90	0.20	-	61,61,61,61	0
56	MG	2A	3042	1/1	0.93	0.22	-	42,42,42,42	0
56	MG	1A	4050	1/1	0.98	0.23	-	32,32,32,32	0
56	MG	1I	101	1/1	0.93	0.13	-	38,38,38,38	0
56	MG	1a	1706	1/1	0.85	0.20	-	60,60,60,60	0
56	MG	2A	3255	1/1	0.88	0.15	-	59,59,59,59	0
56	MG	1a	1828	1/1	0.88	0.08	-	59,59,59,59	0
56	MG	1A	3889	1/1	0.91	0.25	-	60,60,60,60	0
56	MG	1G	3005	1/1	0.96	0.10	-	66,66,66,66	0
56	MG	1B	3020	1/1	0.91	0.22	-	82,82,82,82	0
56	MG	2A	3593	1/1	0.94	0.16	-	30,30,30,30	0
56	MG	1A	3990	1/1	0.78	0.16	-	52,52,52,52	0
56	MG	1a	1727	1/1	0.95	0.16	-	49,49,49,49	0
56	MG	2A	3871	1/1	-0.25	0.20	-	70,70,70,70	0
56	MG	2a	3100	1/1	0.93	0.06	-	69,69,69,69	0
56	MG	1A	3119	1/1	0.95	0.25	-	51,51,51,51	0
56	MG	2A	3867	1/1	0.69	0.11	-	64,64,64,64	0
56	MG	1a	1630	1/1	0.89	0.13	-	60,60,60,60	0
56	MG	1A	3133	1/1	0.94	0.19	-	44,44,44,44	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors(\AA^2)	Q<0.9
56	MG	2A	3833	1/1	0.92	0.14	-	55,55,55,55	0
56	MG	2A	3835	1/1	0.96	0.09	-	43,43,43,43	0
56	MG	1A	3773	1/1	0.96	0.07	-	41,41,41,41	0
56	MG	2a	3213	1/1	0.92	0.18	-	69,69,69,69	0
56	MG	1a	1675	1/1	0.82	0.13	-	60,60,60,60	0
56	MG	2a	3018	1/1	0.93	0.18	-	65,65,65,65	0
56	MG	2A	3661	1/1	0.87	0.20	-	56,56,56,56	0
56	MG	1A	3473	1/1	0.92	0.26	-	50,50,50,50	0
56	MG	2A	3649	1/1	0.95	0.09	-	69,69,69,69	0
56	MG	1A	3399	1/1	0.90	0.22	-	52,52,52,52	0
56	MG	1A	3858	1/1	0.89	0.13	-	30,30,30,30	0
56	MG	1A	3697	1/1	0.91	0.14	-	51,51,51,51	0
56	MG	2A	3123	1/1	0.92	0.10	-	56,56,56,56	0
56	MG	1O	201	1/1	0.96	0.11	-	63,63,63,63	0
56	MG	2A	3367	1/1	0.87	0.18	-	61,61,61,61	0
56	MG	2a	3110	1/1	0.88	0.08	-	73,73,73,73	0
56	MG	2A	3752	1/1	0.90	0.14	-	61,61,61,61	0
56	MG	2A	3850	1/1	0.60	0.10	-	59,59,59,59	0
56	MG	2A	3170	1/1	0.98	0.14	-	54,54,54,54	0
56	MG	2A	3288	1/1	0.94	0.11	-	49,49,49,49	0
56	MG	1A	3726	1/1	0.95	0.06	-	48,48,48,48	0
56	MG	2A	3043	1/1	0.94	0.12	-	53,53,53,53	0
56	MG	1A	3025	1/1	0.98	0.17	-	41,41,41,41	0
56	MG	1A	3442	1/1	0.94	0.27	-	56,56,56,56	0
56	MG	1a	1643	1/1	0.82	0.17	-	61,61,61,61	0
56	MG	1A	3342	1/1	0.90	0.25	-	57,57,57,57	0
56	MG	1A	3199	1/1	0.93	0.19	-	45,45,45,45	0
56	MG	2A	3199	1/1	0.98	0.18	-	50,50,50,50	0
56	MG	1A	3427	1/1	0.95	0.14	-	44,44,44,44	0
56	MG	1a	1616	1/1	0.96	0.12	-	55,55,55,55	0
56	MG	2a	3201	1/1	0.72	0.13	-	79,79,79,79	0
56	MG	1a	1824	1/1	0.89	0.13	-	73,73,73,73	0
56	MG	2A	3831	1/1	0.95	0.10	-	45,45,45,45	0
56	MG	1A	3864	1/1	0.97	0.15	-	35,35,35,35	0
56	MG	2A	3143	1/1	0.94	0.12	-	56,56,56,56	0
56	MG	2A	3411	1/1	0.93	0.17	-	53,53,53,53	0
56	MG	2A	3574	1/1	0.87	0.12	-	44,44,44,44	0
56	MG	1A	3759	1/1	0.94	0.18	-	24,24,24,24	0
56	MG	1a	1669	1/1	0.88	0.23	-	73,73,73,73	0
56	MG	2A	3091	1/1	0.63	0.14	-	60,60,60,60	0
56	MG	1x	104	1/1	0.78	0.18	-	72,72,72,72	0
56	MG	2A	3028	1/1	0.87	0.14	-	54,54,54,54	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors(\AA^2)	Q<0.9
56	MG	1A	3561	1/1	0.91	0.31	-	48,48,48,48	0
56	MG	1A	3825	1/1	0.90	0.12	-	57,57,57,57	0
56	MG	2A	3436	1/1	0.96	0.17	-	49,49,49,49	0
56	MG	1A	3841	1/1	0.98	0.15	-	27,27,27,27	0
56	MG	2a	3048	1/1	0.85	0.13	-	67,67,67,67	0
56	MG	1y	3004	1/1	0.58	0.15	-	86,86,86,86	0
56	MG	1A	3386	1/1	0.87	0.21	-	54,54,54,54	0
56	MG	1A	3420	1/1	0.90	0.26	-	55,55,55,55	0
56	MG	2A	3139	1/1	0.93	0.14	-	32,32,32,32	0
56	MG	1A	3486	1/1	0.94	0.19	-	42,42,42,42	0
56	MG	1S	3002	1/1	0.93	0.17	-	49,49,49,49	0
56	MG	2A	3236	1/1	0.94	0.07	-	53,53,53,53	0
56	MG	1A	3450	1/1	0.90	0.19	-	57,57,57,57	0
56	MG	2A	3828	1/1	0.81	0.13	-	80,80,80,80	0
56	MG	2a	3053	1/1	0.90	0.09	-	66,66,66,66	0
56	MG	1A	3505	1/1	0.89	0.14	-	47,47,47,47	0
56	MG	1A	3708	1/1	0.79	0.16	-	76,76,76,76	0
56	MG	2a	3035	1/1	0.84	0.12	-	63,63,63,63	0
56	MG	1A	3549	1/1	0.97	0.13	-	38,38,38,38	0
56	MG	1Y	503	1/1	0.92	0.15	-	78,78,78,78	0
56	MG	2A	3609	1/1	0.98	0.16	-	42,42,42,42	0
56	MG	1A	3212	1/1	0.98	0.37	-	32,32,32,32	0
56	MG	2A	3390	1/1	0.93	0.14	-	57,57,57,57	0
56	MG	2A	3503	1/1	0.85	0.13	-	58,58,58,58	0
56	MG	2A	3308	1/1	0.85	0.11	-	49,49,49,49	0
56	MG	1A	3714	1/1	0.94	0.18	-	46,46,46,46	0
56	MG	1A	3164	1/1	0.85	0.18	-	73,73,73,73	0
56	MG	2B	3015	1/1	0.98	0.19	-	50,50,50,50	0
56	MG	2A	3405	1/1	0.96	0.24	-	33,33,33,33	0
56	MG	2A	3813	1/1	0.78	0.11	-	48,48,48,48	0
56	MG	1a	1711	1/1	0.95	0.17	-	65,65,65,65	0
56	MG	1A	3850	1/1	0.94	0.18	-	53,53,53,53	0
56	MG	1E	307	1/1	0.85	0.19	-	70,70,70,70	0
56	MG	2A	3456	1/1	0.96	0.36	-	60,60,60,60	0
56	MG	1A	3818	1/1	0.92	0.18	-	57,57,57,57	0
56	MG	1a	1688	1/1	0.60	0.16	-	74,74,74,74	0
56	MG	2A	3245	1/1	0.85	0.37	-	59,59,59,59	0
56	MG	2A	3059	1/1	0.98	0.17	-	46,46,46,46	0
56	MG	1A	3429	1/1	0.89	0.15	-	48,48,48,48	0
56	MG	1w	106	1/1	0.81	0.18	-	74,74,74,74	0
56	MG	1A	3867	1/1	0.89	0.13	-	69,69,69,69	0
56	MG	2A	3383	1/1	0.91	0.16	-	60,60,60,60	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors(\AA^2)	Q<0.9
56	MG	1A	3168	1/1	0.97	0.14	-	42,42,42,42	0
56	MG	2v	3001	1/1	0.95	0.09	-	69,69,69,69	0
56	MG	1A	3860	1/1	0.98	0.18	-	47,47,47,47	0
56	MG	2A	3480	1/1	0.90	0.21	-	65,65,65,65	0
56	MG	1A	3572	1/1	0.90	0.12	-	55,55,55,55	0
56	MG	1A	4113	1/1	0.83	0.24	-	56,56,56,56	0
56	MG	2A	3599	1/1	0.93	0.18	-	51,51,51,51	0
56	MG	2A	3487	1/1	0.93	0.23	-	62,62,62,62	0
56	MG	1A	3321	1/1	0.94	0.34	-	51,51,51,51	0
56	MG	1A	3591	1/1	0.88	0.13	-	52,52,52,52	0
56	MG	2A	3507	1/1	0.89	0.14	-	64,64,64,64	0
56	MG	2A	3467	1/1	0.97	0.09	-	60,60,60,60	0
56	MG	2y	3006	1/1	0.88	0.07	-	86,86,86,86	0
56	MG	2A	3303	1/1	0.89	0.16	-	60,60,60,60	0
56	MG	2A	3114	1/1	0.97	0.18	-	55,55,55,55	0
56	MG	2a	3001	1/1	0.91	0.22	-	57,57,57,57	0
56	MG	1a	1682	1/1	0.92	0.27	-	66,66,66,66	0
56	MG	2A	3301	1/1	0.88	0.11	-	60,60,60,60	0
56	MG	1A	3154	1/1	0.87	0.55	-	51,51,51,51	0
56	MG	1A	3897	1/1	0.79	0.24	-	62,62,62,62	0
56	MG	2A	3086	1/1	0.95	0.21	-	44,44,44,44	0
56	MG	1A	3141	1/1	0.94	0.16	-	35,35,35,35	0
56	MG	1A	3604	1/1	0.92	0.14	-	65,65,65,65	0
56	MG	2a	3020	1/1	0.84	0.13	-	71,71,71,71	0
56	MG	2A	3225	1/1	0.88	0.13	-	62,62,62,62	0
56	MG	1A	3838	1/1	0.95	0.25	-	45,45,45,45	0
56	MG	2A	3074	1/1	0.74	0.11	-	73,73,73,73	0
56	MG	1a	1821	1/1	0.86	0.09	-	62,62,62,62	0
56	MG	2A	3164	1/1	0.97	0.25	-	53,53,53,53	0
56	MG	1a	1700	1/1	0.99	0.26	-	50,50,50,50	0
56	MG	1A	3687	1/1	0.95	0.18	-	31,31,31,31	0
56	MG	1A	3308	1/1	0.90	0.26	-	51,51,51,51	0
56	MG	1A	3106	1/1	0.96	0.19	-	25,25,25,25	0
56	MG	2A	3705	1/1	0.97	0.32	-	57,57,57,57	0
56	MG	1A	3477	1/1	0.98	0.25	-	48,48,48,48	0
56	MG	1A	3512	1/1	0.91	0.17	-	50,50,50,50	0
56	MG	15	103	1/1	0.87	0.10	-	61,61,61,61	0
56	MG	1A	3667	1/1	0.94	0.20	-	61,61,61,61	0
56	MG	2A	3326	1/1	0.86	0.10	-	64,64,64,64	0
56	MG	1A	3974	1/1	0.88	0.06	-	45,45,45,45	0
56	MG	2A	3683	1/1	0.95	0.12	-	62,62,62,62	0
56	MG	1A	3504	1/1	0.92	0.19	-	44,44,44,44	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors(\AA^2)	Q<0.9
56	MG	1Q	206	1/1	0.91	0.12	-	54,54,54,54	0
56	MG	1A	3367	1/1	0.93	0.23	-	57,57,57,57	0
56	MG	1A	3828	1/1	0.99	0.21	-	34,34,34,34	0
56	MG	1A	3302	1/1	0.85	0.21	-	56,56,56,56	0
56	MG	1A	4040	1/1	0.68	0.14	-	60,60,60,60	0
56	MG	1A	3319	1/1	0.94	0.14	-	63,63,63,63	0
56	MG	1a	1785	1/1	0.98	0.09	-	55,55,55,55	0
56	MG	2A	3622	1/1	0.97	0.25	-	63,63,63,63	0
56	MG	2a	3221	1/1	0.86	0.13	-	60,60,60,60	0
56	MG	2A	3588	1/1	0.92	0.10	-	47,47,47,47	0
56	MG	2A	3591	1/1	0.88	0.06	-	50,50,50,50	0
56	MG	1A	3953	1/1	0.91	0.10	-	46,46,46,46	0
56	MG	2A	3360	1/1	0.84	0.12	-	63,63,63,63	0
56	MG	2A	3156	1/1	0.96	0.15	-	48,48,48,48	0
56	MG	1B	3037	1/1	0.96	0.15	-	40,40,40,40	0
56	MG	1A	3972	1/1	0.96	0.16	-	60,60,60,60	0
56	MG	1A	3761	1/1	0.86	0.09	-	51,51,51,51	0
56	MG	1a	1743	1/1	0.85	0.12	-	73,73,73,73	0
56	MG	1A	3822	1/1	0.97	0.16	-	48,48,48,48	0
56	MG	1A	4008	1/1	0.83	0.14	-	56,56,56,56	0
56	MG	2a	3051	1/1	0.78	0.18	-	69,69,69,69	0
56	MG	2A	3647	1/1	0.85	0.22	-	51,51,51,51	0
56	MG	1A	3223	1/1	0.98	0.14	-	32,32,32,32	0
56	MG	2A	3344	1/1	0.88	0.19	-	55,55,55,55	0
56	MG	1A	3720	1/1	0.92	0.17	-	53,53,53,53	0
56	MG	2a	3240	1/1	0.77	0.36	-	63,63,63,63	0
56	MG	1A	3329	1/1	0.93	0.15	-	43,43,43,43	0
56	MG	2a	3034	1/1	0.76	0.17	-	72,72,72,72	0
56	MG	1B	3012	1/1	0.91	0.18	-	55,55,55,55	0
56	MG	2A	3670	1/1	0.89	0.12	-	70,70,70,70	0
56	MG	1A	3334	1/1	0.93	0.26	-	56,56,56,56	0
56	MG	2A	3030	1/1	0.94	0.13	-	51,51,51,51	0
56	MG	2A	3839	1/1	0.72	0.12	-	45,45,45,45	0
56	MG	2a	3237	1/1	0.96	0.07	-	66,66,66,66	0
56	MG	1A	3396	1/1	0.88	0.14	-	47,47,47,47	0
56	MG	2D	305	1/1	0.84	0.20	-	50,50,50,50	0
56	MG	1w	107	1/1	0.93	0.18	-	67,67,67,67	0
56	MG	1a	1712	1/1	0.92	0.19	-	67,67,67,67	0
56	MG	2A	3100	1/1	0.76	0.14	-	57,57,57,57	0
56	MG	2a	3077	1/1	0.90	0.21	-	61,61,61,61	0
56	MG	1A	3364	1/1	0.91	0.19	-	64,64,64,64	0
56	MG	2A	3252	1/1	0.96	0.30	-	52,52,52,52	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors(\AA^2)	Q<0.9
56	MG	1A	4025	1/1	0.58	0.13	-	77,77,77,77	0
56	MG	2A	3446	1/1	0.96	0.27	-	45,45,45,45	0
56	MG	1A	3615	1/1	0.94	0.16	-	25,25,25,25	0
56	MG	2A	3200	1/1	0.93	0.15	-	42,42,42,42	0
56	MG	1A	4038	1/1	0.95	0.07	-	45,45,45,45	0
56	MG	1B	3021	1/1	0.92	0.26	-	46,46,46,46	0
56	MG	2A	3209	1/1	0.85	0.14	-	61,61,61,61	0
56	MG	1A	3465	1/1	0.90	0.18	-	60,60,60,60	0
56	MG	1a	1813	1/1	0.94	0.12	-	58,58,58,58	0
56	MG	2A	3759	1/1	0.89	0.12	-	46,46,46,46	0
56	MG	1A	3898	1/1	0.92	0.19	-	50,50,50,50	0
56	MG	2A	3271	1/1	0.84	0.13	-	49,49,49,49	0
56	MG	2A	3414	1/1	0.89	0.20	-	59,59,59,59	0
56	MG	2A	3567	1/1	0.97	0.08	-	50,50,50,50	0
56	MG	1A	3977	1/1	0.94	0.34	-	56,56,56,56	0
56	MG	1A	3944	1/1	0.90	0.15	-	60,60,60,60	0
56	MG	1A	3142	1/1	0.97	0.24	-	23,23,23,23	0
56	MG	2A	3659	1/1	0.94	0.07	-	59,59,59,59	0
56	MG	1a	1720	1/1	0.94	0.12	-	67,67,67,67	0
56	MG	2A	3282	1/1	0.89	0.24	-	63,63,63,63	0
56	MG	1A	3740	1/1	0.96	0.17	-	28,28,28,28	0
56	MG	2A	3669	1/1	0.95	0.12	-	42,42,42,42	0
56	MG	1A	3870	1/1	0.94	0.12	-	39,39,39,39	0
56	MG	2A	3276	1/1	0.95	0.18	-	55,55,55,55	0
56	MG	1B	3017	1/1	0.96	0.31	-	50,50,50,50	0
56	MG	2A	3056	1/1	0.78	0.17	-	60,60,60,60	0
56	MG	2A	3811	1/1	0.81	0.10	-	47,47,47,47	0
56	MG	1A	3907	1/1	0.95	0.23	-	54,54,54,54	0
56	MG	1A	3706	1/1	0.97	0.23	-	40,40,40,40	0
56	MG	2A	3063	1/1	0.90	0.12	-	67,67,67,67	0
56	MG	2A	3717	1/1	0.84	0.15	-	39,39,39,39	0
56	MG	2A	3569	1/1	0.93	0.09	-	49,49,49,49	0
56	MG	1B	3015	1/1	0.96	0.18	-	58,58,58,58	0
56	MG	1a	1721	1/1	0.88	0.11	-	58,58,58,58	0
56	MG	1A	3148	1/1	0.95	0.63	-	48,48,48,48	0
56	MG	2A	3432	1/1	0.86	0.19	-	60,60,60,60	0
56	MG	1A	3384	1/1	0.86	0.22	-	57,57,57,57	0
56	MG	1A	4026	1/1	0.62	0.15	-	51,51,51,51	0
56	MG	1A	3834	1/1	0.63	0.34	-	69,69,69,69	0
56	MG	2A	3733	1/1	0.88	0.13	-	50,50,50,50	0
56	MG	2A	3157	1/1	0.97	0.14	-	58,58,58,58	0
56	MG	2A	3708	1/1	0.94	0.11	-	53,53,53,53	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors(\AA^2)	Q<0.9
56	MG	2a	3025	1/1	0.97	0.18	-	57,57,57,57	0
56	MG	2A	3260	1/1	0.89	0.17	-	53,53,53,53	0
56	MG	2A	3386	1/1	0.92	0.13	-	63,63,63,63	0
56	MG	2A	3168	1/1	0.87	0.20	-	52,52,52,52	0
56	MG	2A	3621	1/1	0.96	0.09	-	51,51,51,51	0
56	MG	2A	3460	1/1	0.95	0.36	-	64,64,64,64	0
56	MG	2a	3083	1/1	0.75	0.21	-	72,72,72,72	0
56	MG	2A	3366	1/1	0.92	0.10	-	54,54,54,54	0
56	MG	1A	3648	1/1	0.86	0.12	-	55,55,55,55	0
56	MG	2a	3101	1/1	0.96	0.15	-	56,56,56,56	0
56	MG	17	101	1/1	0.93	0.22	-	54,54,54,54	0
56	MG	2A	3297	1/1	0.95	0.20	-	51,51,51,51	0
56	MG	2A	3198	1/1	0.94	0.14	-	61,61,61,61	0
56	MG	2A	3505	1/1	0.90	0.11	-	59,59,59,59	0
56	MG	2A	3506	1/1	0.95	0.25	-	31,31,31,31	0
56	MG	1a	1656	1/1	0.81	0.22	-	75,75,75,75	0
56	MG	1a	1772	1/1	0.93	0.13	-	39,39,39,39	0
56	MG	1x	106	1/1	0.91	0.22	-	63,63,63,63	0
56	MG	2A	3060	1/1	0.98	0.10	-	53,53,53,53	0
56	MG	2A	3755	1/1	0.96	0.14	-	50,50,50,50	0
56	MG	1a	1708	1/1	0.85	0.16	-	68,68,68,68	0
56	MG	2Q	3002	1/1	0.95	0.16	-	44,44,44,44	0
56	MG	2a	3140	1/1	0.81	0.06	-	57,57,57,57	0
56	MG	2E	303	1/1	0.92	0.12	-	49,49,49,49	0
56	MG	1A	4035	1/1	0.96	0.11	-	46,46,46,46	0
56	MG	1A	3339	1/1	0.97	0.14	-	51,51,51,51	0
56	MG	1B	3026	1/1	0.87	0.21	-	42,42,42,42	0
56	MG	2a	3112	1/1	0.91	0.10	-	54,54,54,54	0
56	MG	1A	3226	1/1	0.97	0.31	-	47,47,47,47	0
56	MG	1A	3537	1/1	0.83	0.24	-	49,49,49,49	0
56	MG	1A	3716	1/1	0.94	0.20	-	28,28,28,28	0
56	MG	2A	3497	1/1	0.94	0.12	-	63,63,63,63	0
56	MG	1A	3967	1/1	0.93	0.15	-	65,65,65,65	0
56	MG	2A	3109	1/1	0.96	0.15	-	37,37,37,37	0
56	MG	1a	1719	1/1	0.92	0.22	-	63,63,63,63	0
56	MG	23	102	1/1	0.95	0.21	-	48,48,48,48	0
56	MG	1A	3946	1/1	0.87	0.13	-	49,49,49,49	0
56	MG	2a	3005	1/1	0.70	0.12	-	75,75,75,75	0
56	MG	1A	3778	1/1	0.90	0.08	-	57,57,57,57	0
56	MG	1A	4100	1/1	0.96	0.16	-	47,47,47,47	0
56	MG	1A	3945	1/1	0.85	0.21	-	41,41,41,41	0
56	MG	2A	3146	1/1	0.95	0.15	-	43,43,43,43	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors(\AA^2)	Q<0.9
56	MG	1A	4022	1/1	0.93	0.11	-	72,72,72,72	0
56	MG	1x	102	1/1	0.80	0.21	-	63,63,63,63	0
56	MG	2A	3262	1/1	0.93	0.16	-	57,57,57,57	0
56	MG	2A	3316	1/1	0.91	0.17	-	54,54,54,54	0
56	MG	1A	3266	1/1	0.93	0.22	-	52,52,52,52	0
56	MG	1B	3025	1/1	0.84	0.16	-	77,77,77,77	0
56	MG	1a	1736	1/1	0.96	0.12	-	57,57,57,57	0
56	MG	1A	3787	1/1	0.76	0.14	-	55,55,55,55	0
56	MG	1A	3583	1/1	0.95	0.37	-	42,42,42,42	0
56	MG	1A	4019	1/1	0.92	0.20	-	42,42,42,42	0
56	MG	1A	3639	1/1	0.89	0.23	-	41,41,41,41	0
56	MG	2A	3015	1/1	0.94	0.20	-	43,43,43,43	0
56	MG	2A	3482	1/1	0.86	0.16	-	63,63,63,63	0
56	MG	1A	3846	1/1	0.91	0.12	-	53,53,53,53	0
56	MG	2A	3202	1/1	0.85	0.26	-	56,56,56,56	0
56	MG	2A	3474	1/1	0.81	0.19	-	55,55,55,55	0
56	MG	20	3001	1/1	0.93	0.17	-	59,59,59,59	0
56	MG	1A	3163	1/1	0.94	0.29	-	52,52,52,52	0
56	MG	2A	3604	1/1	0.94	0.20	-	64,64,64,64	0
56	MG	1A	3964	1/1	0.97	0.15	-	45,45,45,45	0
56	MG	2A	3392	1/1	0.97	0.11	-	55,55,55,55	0
56	MG	1v	3001	1/1	0.82	0.13	-	77,77,77,77	0
56	MG	2A	3689	1/1	0.97	0.08	-	71,71,71,71	0
56	MG	18	103	1/1	0.23	0.17	-	72,72,72,72	0
56	MG	1s	101	1/1	0.90	0.17	-	65,65,65,65	0
56	MG	1A	3094	1/1	0.95	0.10	-	52,52,52,52	0
56	MG	1A	4088	1/1	0.47	0.07	-	57,57,57,57	0
56	MG	1A	3685	1/1	0.96	0.23	-	60,60,60,60	0
56	MG	1A	3911	1/1	0.89	0.10	-	65,65,65,65	0
56	MG	1A	3096	1/1	0.76	0.27	-	49,49,49,49	0
56	MG	2A	3369	1/1	0.94	0.07	-	47,47,47,47	0
56	MG	2A	3686	1/1	0.83	0.14	-	57,57,57,57	0
56	MG	2A	3469	1/1	0.94	0.11	-	55,55,55,55	0
56	MG	1A	3137	1/1	0.97	0.20	-	33,33,33,33	0
56	MG	1A	3146	1/1	0.97	0.16	-	36,36,36,36	0
56	MG	2A	3728	1/1	0.94	0.09	-	58,58,58,58	0
56	MG	2A	3617	1/1	0.88	0.12	-	38,38,38,38	0
56	MG	2A	3350	1/1	0.93	0.21	-	61,61,61,61	0
56	MG	2A	3749	1/1	0.92	0.11	-	48,48,48,48	0
56	MG	2A	3232	1/1	0.81	0.12	-	64,64,64,64	0
56	MG	2a	3164	1/1	0.94	0.21	-	73,73,73,73	0
56	MG	1A	3182	1/1	0.80	0.12	-	55,55,55,55	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors(\AA^2)	Q<0.9
56	MG	2A	3640	1/1	0.95	0.26	-	45,45,45,45	0
56	MG	1A	3253	1/1	0.76	0.21	-	61,61,61,61	0
56	MG	2A	3302	1/1	0.96	0.19	-	66,66,66,66	0
56	MG	2A	3118	1/1	0.89	0.13	-	50,50,50,50	0
56	MG	1A	3088	1/1	0.95	0.11	-	47,47,47,47	0
56	MG	1A	3124	1/1	0.90	0.22	-	44,44,44,44	0
56	MG	1A	3676	1/1	0.97	0.21	-	24,24,24,24	0
56	MG	2A	3229	1/1	0.89	0.10	-	41,41,41,41	0
56	MG	2A	3395	1/1	0.93	0.21	-	50,50,50,50	0
56	MG	1A	3201	1/1	0.92	0.24	-	45,45,45,45	0
56	MG	2a	3003	1/1	0.84	0.16	-	64,64,64,64	0
56	MG	2A	3462	1/1	0.90	0.27	-	59,59,59,59	0
56	MG	2A	3463	1/1	0.72	0.14	-	57,57,57,57	0
56	MG	1A	3819	1/1	0.94	0.11	-	48,48,48,48	0
56	MG	1A	3617	1/1	0.93	0.16	-	33,33,33,33	0
56	MG	2B	3019	1/1	0.79	0.12	-	76,76,76,76	0
56	MG	1A	3876	1/1	0.94	0.18	-	49,49,49,49	0
56	MG	1A	3224	1/1	0.97	0.19	-	50,50,50,50	0
56	MG	1A	3127	1/1	0.85	0.44	-	51,51,51,51	0
56	MG	2A	3632	1/1	0.92	0.13	-	41,41,41,41	0
56	MG	2B	3003	1/1	0.82	0.20	-	74,74,74,74	0
56	MG	2A	3435	1/1	0.98	0.07	-	49,49,49,49	0
56	MG	1A	3571	1/1	0.91	0.21	-	57,57,57,57	0
56	MG	2a	3029	1/1	0.84	0.15	-	67,67,67,67	0
56	MG	2A	3442	1/1	0.94	0.14	-	50,50,50,50	0
56	MG	2A	3801	1/1	0.92	0.27	-	64,64,64,64	0
56	MG	2A	3343	1/1	0.89	0.11	-	57,57,57,57	0
56	MG	2A	3595	1/1	0.97	0.11	-	49,49,49,49	0
56	MG	2A	3215	1/1	0.95	0.17	-	37,37,37,37	0
56	MG	2a	3037	1/1	0.91	0.38	-	77,77,77,77	0
56	MG	2A	3703	1/1	0.89	0.13	-	47,47,47,47	0
56	MG	2A	3331	1/1	0.95	0.18	-	56,56,56,56	0
56	MG	1A	4067	1/1	0.92	0.14	-	56,56,56,56	0
56	MG	2A	3528	1/1	0.96	0.34	-	57,57,57,57	0
56	MG	1A	3721	1/1	0.90	0.19	-	57,57,57,57	0
56	MG	2A	3300	1/1	0.93	0.14	-	55,55,55,55	0
56	MG	2A	3523	1/1	0.92	0.13	-	27,27,27,27	0
56	MG	2A	3477	1/1	0.92	0.34	-	56,56,56,56	0
56	MG	2A	3739	1/1	0.96	0.10	-	59,59,59,59	0
56	MG	2y	3001	1/1	0.90	0.18	-	59,59,59,59	0
56	MG	2A	3790	1/1	0.74	0.21	-	65,65,65,65	0
56	MG	1A	3690	1/1	0.97	0.14	-	28,28,28,28	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors(\AA^2)	Q<0.9
56	MG	1a	1641	1/1	0.91	0.18	-	58,58,58,58	0
56	MG	2a	3228	1/1	0.69	0.11	-	86,86,86,86	0
56	MG	2A	3439	1/1	0.90	0.21	-	60,60,60,60	0
56	MG	2a	3087	1/1	0.91	0.08	-	63,63,63,63	0
56	MG	1A	3290	1/1	0.98	0.24	-	46,46,46,46	0
56	MG	1A	3792	1/1	0.88	0.14	-	35,35,35,35	0
56	MG	1A	3179	1/1	0.95	0.21	-	36,36,36,36	0
56	MG	2A	3309	1/1	0.83	0.13	-	53,53,53,53	0
56	MG	1A	3588	1/1	0.80	0.19	-	46,46,46,46	0
56	MG	1B	3016	1/1	0.86	0.16	-	54,54,54,54	0
56	MG	1A	3336	1/1	0.97	0.27	-	41,41,41,41	0
56	MG	2a	3179	1/1	0.47	0.50	-	100,100,100,100	0
56	MG	2A	3141	1/1	0.96	0.09	-	51,51,51,51	0
56	MG	2A	3767	1/1	0.95	0.09	-	56,56,56,56	0
56	MG	1A	3345	1/1	0.97	0.28	-	47,47,47,47	0
56	MG	1A	3428	1/1	0.88	0.16	-	51,51,51,51	0
56	MG	1A	3028	1/1	0.98	0.24	-	34,34,34,34	0
56	MG	2A	3782	1/1	0.94	0.08	-	51,51,51,51	0
56	MG	2A	3764	1/1	0.95	0.11	-	66,66,66,66	0
56	MG	2a	3022	1/1	0.85	0.09	-	72,72,72,72	0
56	MG	1Z	303	1/1	0.97	0.17	-	56,56,56,56	0
56	MG	1b	3002	1/1	0.85	0.17	-	61,61,61,61	0
56	MG	1A	3446	1/1	0.60	0.18	-	61,61,61,61	0
56	MG	1A	3134	1/1	0.90	0.32	-	54,54,54,54	0
56	MG	1A	3918	1/1	0.88	0.13	-	56,56,56,56	0
56	MG	1a	1762	1/1	0.89	0.13	-	78,78,78,78	0
56	MG	1B	3032	1/1	0.69	0.23	-	80,80,80,80	0
56	MG	2A	3791	1/1	0.91	0.21	-	46,46,46,46	0
56	MG	2Z	8001	1/1	0.89	0.07	-	78,78,78,78	0
56	MG	2a	3141	1/1	0.89	0.18	-	94,94,94,94	0
56	MG	2A	3368	1/1	0.94	0.06	-	47,47,47,47	0
56	MG	1A	3131	1/1	0.89	0.17	-	72,72,72,72	0
56	MG	1A	3416	1/1	0.93	0.17	-	47,47,47,47	0
56	MG	2a	3012	1/1	0.76	0.14	-	71,71,71,71	0
56	MG	1A	3739	1/1	0.93	0.18	-	39,39,39,39	0
56	MG	2A	3113	1/1	0.80	0.13	-	52,52,52,52	0
56	MG	2a	3116	1/1	0.87	0.08	-	67,67,67,67	0
56	MG	2a	3052	1/1	0.93	0.15	-	62,62,62,62	0
56	MG	1A	3529	1/1	0.96	0.19	-	43,43,43,43	0
56	MG	1A	3370	1/1	0.74	0.27	-	57,57,57,57	0
56	MG	1A	3959	1/1	0.94	0.14	-	56,56,56,56	0
56	MG	2A	3374	1/1	0.64	0.26	-	65,65,65,65	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors(\AA^2)	Q<0.9
56	MG	2A	3084	1/1	0.93	0.10	-	45,45,45,45	0
56	MG	2A	3517	1/1	0.97	0.12	-	42,42,42,42	0
56	MG	2A	3525	1/1	0.98	0.13	-	34,34,34,34	0
56	MG	1A	3143	1/1	0.91	0.18	-	55,55,55,55	0
56	MG	1A	3406	1/1	0.93	0.29	-	47,47,47,47	0
56	MG	2A	3758	1/1	0.95	0.23	-	58,58,58,58	0
56	MG	1a	1627	1/1	0.89	0.14	-	55,55,55,55	0
56	MG	2A	3519	1/1	0.92	0.17	-	33,33,33,33	0
56	MG	1A	3743	1/1	0.90	0.22	-	60,60,60,60	0
56	MG	1A	3558	1/1	0.91	0.12	-	52,52,52,52	0
56	MG	1A	3233	1/1	0.95	0.13	-	49,49,49,49	0
56	MG	2A	3327	1/1	0.95	0.12	-	50,50,50,50	0
56	MG	1A	3895	1/1	0.96	0.14	-	61,61,61,61	0
56	MG	2A	3201	1/1	0.95	0.10	-	51,51,51,51	0
56	MG	1A	3566	1/1	0.86	0.31	-	72,72,72,72	0
56	MG	1A	3487	1/1	0.82	0.23	-	70,70,70,70	0
56	MG	2W	203	1/1	0.84	0.25	-	59,59,59,59	0
56	MG	2A	3558	1/1	0.93	0.17	-	31,31,31,31	0
56	MG	1a	1648	1/1	0.89	0.16	-	59,59,59,59	0
56	MG	2B	3002	1/1	0.88	0.11	-	49,49,49,49	0
56	MG	2a	3194	1/1	0.94	0.11	-	68,68,68,68	0
56	MG	2a	3067	1/1	0.93	0.15	-	65,65,65,65	0
56	MG	1A	3186	1/1	0.96	0.32	-	39,39,39,39	0
56	MG	1A	4044	1/1	0.64	0.25	-	79,79,79,79	0
56	MG	2A	3049	1/1	0.99	0.16	-	23,23,23,23	0
56	MG	1A	3093	1/1	0.91	0.22	-	33,33,33,33	0
56	MG	2A	3171	1/1	0.90	0.12	-	38,38,38,38	0
56	MG	1A	3469	1/1	0.92	0.23	-	53,53,53,53	0
56	MG	2a	3004	1/1	0.82	0.16	-	57,57,57,57	0
56	MG	2A	3787	1/1	0.90	0.04	-	64,64,64,64	0
56	MG	1A	3551	1/1	0.96	0.16	-	37,37,37,37	0
56	MG	2a	3133	1/1	0.96	0.13	-	54,54,54,54	0
56	MG	1A	3884	1/1	0.92	0.09	-	48,48,48,48	0
56	MG	2A	3351	1/1	0.92	0.11	-	54,54,54,54	0
56	MG	1A	3724	1/1	0.90	0.21	-	58,58,58,58	0
56	MG	1A	3989	1/1	0.57	0.08	-	60,60,60,60	0
56	MG	2a	3181	1/1	0.56	0.10	-	69,69,69,69	0
56	MG	1A	4023	1/1	0.98	0.14	-	47,47,47,47	0
56	MG	2a	3209	1/1	0.97	0.14	-	77,77,77,77	0
56	MG	1A	3601	1/1	0.99	0.18	-	11,11,11,11	0
56	MG	2A	3809	1/1	0.91	0.08	-	59,59,59,59	0
56	MG	1a	1631	1/1	0.89	0.24	-	54,54,54,54	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors(\AA^2)	Q<0.9
56	MG	2a	3132	1/1	0.95	0.21	-	63,63,63,63	0
56	MG	2a	3231	1/1	0.83	0.11	-	68,68,68,68	0
56	MG	1A	3006	1/1	0.80	0.33	-	57,57,57,57	0
56	MG	2A	3664	1/1	0.96	0.15	-	54,54,54,54	0
56	MG	2A	3691	1/1	0.73	0.31	-	68,68,68,68	0
56	MG	1B	3007	1/1	0.51	0.25	-	85,85,85,85	0
56	MG	2A	3009	1/1	0.98	0.13	-	31,31,31,31	0
56	MG	2a	3073	1/1	0.92	0.12	-	66,66,66,66	0
56	MG	2A	3654	1/1	0.96	0.09	-	62,62,62,62	0
56	MG	2A	3012	1/1	0.96	0.13	-	39,39,39,39	0
56	MG	1A	4031	1/1	0.82	0.15	-	54,54,54,54	0
56	MG	1E	301	1/1	0.94	0.19	-	37,37,37,37	0
56	MG	13	103	1/1	0.92	0.21	-	47,47,47,47	0
56	MG	2A	3662	1/1	0.91	0.12	-	48,48,48,48	0
56	MG	2A	3842	1/1	0.95	0.14	-	59,59,59,59	0
56	MG	1A	3061	1/1	0.94	0.35	-	62,62,62,62	0
56	MG	2A	3219	1/1	0.93	0.20	-	51,51,51,51	0
56	MG	1a	1722	1/1	0.84	0.08	-	65,65,65,65	0
56	MG	1a	1609	1/1	0.97	0.11	-	54,54,54,54	0
56	MG	1a	1710	1/1	0.84	0.13	-	77,77,77,77	0
56	MG	1A	3682	1/1	0.92	0.21	-	35,35,35,35	0
56	MG	2a	3172	1/1	0.94	0.09	-	66,66,66,66	0
56	MG	2A	3341	1/1	0.79	0.11	-	52,52,52,52	0
56	MG	2A	3838	1/1	0.96	0.16	-	47,47,47,47	0
56	MG	2A	3373	1/1	0.92	0.06	-	52,52,52,52	0
56	MG	2a	3124	1/1	0.98	0.13	-	61,61,61,61	0
56	MG	1A	3286	1/1	0.99	0.41	-	49,49,49,49	0
56	MG	2A	3087	1/1	0.81	0.20	-	53,53,53,53	0
56	MG	1A	3943	1/1	0.94	0.19	-	81,81,81,81	0
56	MG	1A	3005	1/1	0.95	0.16	-	41,41,41,41	0
56	MG	2A	3646	1/1	0.88	0.15	-	55,55,55,55	0
56	MG	2a	3236	1/1	0.82	0.13	-	75,75,75,75	0
56	MG	2A	3263	1/1	0.95	0.13	-	55,55,55,55	0
56	MG	1A	3383	1/1	0.91	0.16	-	55,55,55,55	0
56	MG	1A	3485	1/1	0.93	0.18	-	48,48,48,48	0
56	MG	1a	1690	1/1	0.94	0.14	-	70,70,70,70	0
56	MG	1X	105	1/1	0.89	0.13	-	47,47,47,47	0
56	MG	2a	3013	1/1	0.75	0.11	-	78,78,78,78	0
56	MG	1A	3129	1/1	0.86	0.23	-	51,51,51,51	0
56	MG	2a	3185	1/1	0.96	0.15	-	47,47,47,47	0
56	MG	2A	3222	1/1	0.95	0.16	-	38,38,38,38	0
56	MG	1A	3118	1/1	0.93	0.22	-	38,38,38,38	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors(\AA^2)	Q<0.9
56	MG	1A	3385	1/1	0.93	0.15	-	58,58,58,58	0
56	MG	2A	3592	1/1	0.97	0.20	-	57,57,57,57	0
56	MG	2A	3696	1/1	0.78	0.13	-	58,58,58,58	0
56	MG	1X	106	1/1	0.96	0.19	-	29,29,29,29	0
56	MG	2A	3125	1/1	0.96	0.16	-	44,44,44,44	0
56	MG	1A	3149	1/1	0.91	0.15	-	33,33,33,33	0
56	MG	1A	3069	1/1	0.98	0.25	-	20,20,20,20	0
56	MG	1A	3544	1/1	0.91	0.17	-	47,47,47,47	0
56	MG	2A	3224	1/1	0.88	0.22	-	52,52,52,52	0
56	MG	2A	3785	1/1	0.97	0.26	-	45,45,45,45	0
56	MG	1A	3207	1/1	0.81	0.28	-	54,54,54,54	0
56	MG	2A	3380	1/1	0.83	0.12	-	55,55,55,55	0
56	MG	2A	3355	1/1	0.93	0.10	-	51,51,51,51	0
56	MG	1a	1703	1/1	0.92	0.27	-	55,55,55,55	0
56	MG	2A	3795	1/1	0.76	0.11	-	37,37,37,37	0
56	MG	1A	3361	1/1	0.84	0.11	-	49,49,49,49	0
56	MG	2A	3498	1/1	0.90	0.11	-	55,55,55,55	0
56	MG	1A	3970	1/1	0.42	0.13	-	70,70,70,70	0
56	MG	2x	102	1/1	0.52	0.17	-	77,77,77,77	0
56	MG	2A	3002	1/1	0.97	0.30	-	57,57,57,57	0
56	MG	2j	8001	1/1	0.86	0.09	-	75,75,75,75	0
56	MG	1B	3002	1/1	0.80	0.33	-	58,58,58,58	0
56	MG	1A	3978	1/1	0.83	0.08	-	65,65,65,65	0
56	MG	1a	1820	1/1	0.93	0.08	-	57,57,57,57	0
56	MG	2A	3022	1/1	0.94	0.27	-	47,47,47,47	0
56	MG	2A	3802	1/1	0.84	0.13	-	56,56,56,56	0
56	MG	2A	3273	1/1	0.95	0.14	-	51,51,51,51	0
56	MG	10	104	1/1	0.83	0.30	-	64,64,64,64	0
56	MG	1a	1604	1/1	0.91	0.11	-	58,58,58,58	0
56	MG	1A	3045	1/1	0.96	0.20	-	36,36,36,36	0
56	MG	2A	3064	1/1	0.92	0.13	-	51,51,51,51	0
56	MG	1A	4048	1/1	0.85	0.08	-	48,48,48,48	0
56	MG	2A	3653	1/1	0.96	0.18	-	58,58,58,58	0
56	MG	2A	3766	1/1	0.80	0.11	-	52,52,52,52	0
56	MG	1A	3711	1/1	0.78	0.15	-	61,61,61,61	0
56	MG	1A	3589	1/1	0.95	0.23	-	52,52,52,52	0
56	MG	1a	1733	1/1	0.93	0.14	-	58,58,58,58	0
56	MG	2A	3546	1/1	0.78	0.12	-	44,44,44,44	0
56	MG	1A	3111	1/1	0.98	0.15	-	40,40,40,40	0
56	MG	1A	4087	1/1	0.90	0.21	-	54,54,54,54	0
56	MG	2a	3120	1/1	0.70	0.19	-	72,72,72,72	0
56	MG	1A	3333	1/1	0.85	0.11	-	52,52,52,52	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors(\AA^2)	Q<0.9
56	MG	1A	3563	1/1	0.96	0.26	-	43,43,43,43	0
56	MG	1A	3397	1/1	0.90	0.23	-	47,47,47,47	0
56	MG	1A	3848	1/1	0.92	0.14	-	56,56,56,56	0
56	MG	1U	201	1/1	0.88	0.18	-	52,52,52,52	0
56	MG	1A	4065	1/1	0.91	0.18	-	51,51,51,51	0
56	MG	1A	3553	1/1	0.91	0.26	-	49,49,49,49	0
56	MG	2A	3178	1/1	0.93	0.24	-	57,57,57,57	0
56	MG	1A	3762	1/1	0.91	0.12	-	60,60,60,60	0
56	MG	2A	3483	1/1	0.95	0.16	-	55,55,55,55	0
56	MG	1A	3592	1/1	0.96	0.20	-	21,21,21,21	0
56	MG	2A	3695	1/1	0.98	0.09	-	38,38,38,38	0
56	MG	2A	3047	1/1	0.91	0.16	-	46,46,46,46	0
56	MG	1B	3035	1/1	0.95	0.11	-	59,59,59,59	0
56	MG	2A	3319	1/1	0.99	0.07	-	49,49,49,49	0
56	MG	2A	3596	1/1	0.87	0.11	-	47,47,47,47	0
56	MG	1a	1796	1/1	0.96	0.06	-	59,59,59,59	0
56	MG	1A	3393	1/1	0.98	0.18	-	50,50,50,50	0
56	MG	2A	3447	1/1	0.92	0.28	-	46,46,46,46	0
56	MG	1A	3215	1/1	0.95	0.06	-	65,65,65,65	0
56	MG	2A	3147	1/1	0.85	0.29	-	58,58,58,58	0
56	MG	2A	3259	1/1	0.78	0.15	-	61,61,61,61	0
56	MG	2A	3628	1/1	0.87	0.07	-	52,52,52,52	0
56	MG	2E	301	1/1	0.94	0.17	-	50,50,50,50	0
56	MG	1A	3044	1/1	0.93	0.20	-	37,37,37,37	0
56	MG	2A	3349	1/1	0.95	0.87	-	58,58,58,58	0
56	MG	2a	3102	1/1	0.98	0.14	-	58,58,58,58	0
56	MG	2A	3822	1/1	0.83	0.11	-	66,66,66,66	0
56	MG	1A	3547	1/1	0.98	0.14	-	53,53,53,53	0
56	MG	1B	3033	1/1	0.93	0.17	-	56,56,56,56	0
56	MG	2A	3174	1/1	0.94	0.15	-	53,53,53,53	0
56	MG	1A	3924	1/1	0.95	0.09	-	50,50,50,50	0
56	MG	2A	3710	1/1	0.85	0.14	-	63,63,63,63	0
56	MG	2a	3061	1/1	0.94	0.20	-	54,54,54,54	0
56	MG	2A	3430	1/1	0.89	0.10	-	51,51,51,51	0
56	MG	2A	3563	1/1	0.93	0.14	-	49,49,49,49	0
56	MG	1A	3517	1/1	0.98	0.14	-	37,37,37,37	0
56	MG	1A	3992	1/1	0.79	0.24	-	75,75,75,75	0
56	MG	1A	3444	1/1	0.96	0.22	-	63,63,63,63	0
56	MG	2A	3887	1/1	0.94	0.08	-	48,48,48,48	0
56	MG	1a	1797	1/1	0.93	0.13	-	64,64,64,64	0
56	MG	2A	3502	1/1	0.91	0.09	-	43,43,43,43	0
56	MG	12	101	1/1	0.88	0.21	-	60,60,60,60	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors(\AA^2)	Q<0.9
56	MG	1A	3246	1/1	0.90	0.31	-	58,58,58,58	0
56	MG	1A	3390	1/1	0.87	0.18	-	35,35,35,35	0
56	MG	1A	3986	1/1	0.93	0.24	-	22,22,22,22	0
56	MG	1A	3969	1/1	0.69	0.14	-	66,66,66,66	0
56	MG	2A	3396	1/1	0.93	0.09	-	56,56,56,56	0
56	MG	2A	3642	1/1	0.80	0.18	-	47,47,47,47	0
56	MG	1a	1605	1/1	0.75	0.17	-	65,65,65,65	0
56	MG	1A	3760	1/1	0.95	0.22	-	35,35,35,35	0
56	MG	2A	3029	1/1	0.81	0.22	-	44,44,44,44	0
56	MG	1A	3470	1/1	0.92	0.17	-	47,47,47,47	0
56	MG	1E	306	1/1	0.88	0.15	-	31,31,31,31	0
56	MG	1A	3684	1/1	0.97	0.27	-	32,32,32,32	0
56	MG	1A	3534	1/1	0.97	0.18	-	33,33,33,33	0
56	MG	2A	3129	1/1	0.91	0.14	-	50,50,50,50	0
56	MG	2a	3125	1/1	0.95	0.10	-	65,65,65,65	0
56	MG	1A	3251	1/1	0.79	0.10	-	58,58,58,58	0
56	MG	2a	3023	1/1	0.95	0.08	-	47,47,47,47	0
56	MG	2A	3427	1/1	0.98	0.13	-	45,45,45,45	0
56	MG	1A	3493	1/1	0.95	0.20	-	36,36,36,36	0
56	MG	1a	1644	1/1	0.92	0.15	-	66,66,66,66	0
56	MG	1A	3279	1/1	0.91	0.17	-	38,38,38,38	0
56	MG	1A	3423	1/1	0.79	0.30	-	67,67,67,67	0
56	MG	2A	3826	1/1	0.86	0.11	-	54,54,54,54	0
56	MG	1A	3113	1/1	0.96	0.14	-	35,35,35,35	0
56	MG	2A	3176	1/1	0.95	0.13	-	46,46,46,46	0
56	MG	2A	3333	1/1	0.92	0.13	-	55,55,55,55	0
56	MG	2A	3216	1/1	0.89	0.13	-	56,56,56,56	0
56	MG	2a	3072	1/1	0.94	0.14	-	53,53,53,53	0
56	MG	1a	1786	1/1	0.86	0.09	-	64,64,64,64	0
56	MG	1A	3480	1/1	0.92	0.10	-	52,52,52,52	0

6.5 Other polymers ⓘ

There are no such residues in this entry.