



wwPDB X-ray Structure Validation Summary Report ⓘ

May 15, 2020 – 03:26 pm BST

PDB ID : 6UCQ
Title : Crystal structure of the Thermus thermophilus 70S ribosome recycling complex
Authors : Zhou, D.; Tanzawa, T.; Gagnon, M.G.; Lin, J.
Deposited on : 2019-09-17
Resolution : 3.50 Å(reported)

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

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

A user guide is available at

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

with specific help available everywhere you see the ⓘ symbol.

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

MolProbity : 4.02b-467
Mogul : 1.8.5 (274361), CSD as541be (2020)
Xtriage (Phenix) : 1.13
EDS : 2.11
buster-report : 1.1.7 (2018)
Percentile statistics : 20191225.v01 (using entries in the PDB archive December 25th 2019)
Refmac : 5.8.0158
CCP4 : 7.0.044 (Gargrove)
Ideal geometry (proteins) : Engh & Huber (2001)
Ideal geometry (DNA, RNA) : Parkinson et al. (1996)
Validation Pipeline (wwPDB-VP) : 2.11

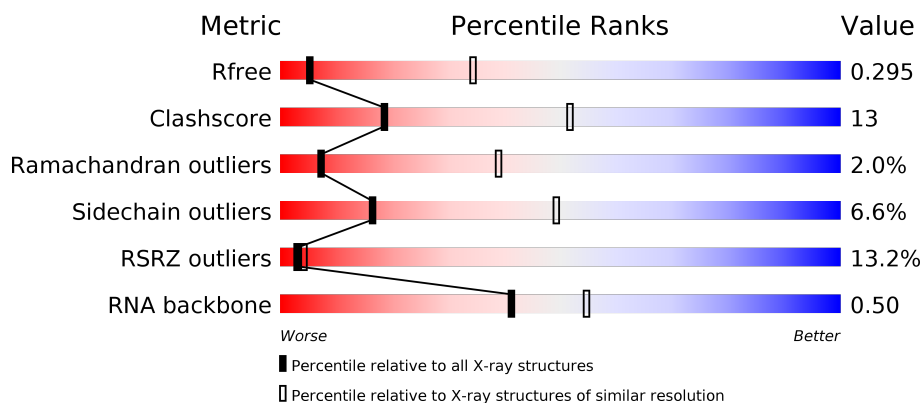
1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

X-RAY DIFFRACTION

The reported resolution of this entry is 3.50 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}	130704	1659 (3.60-3.40)
Clashscore	141614	1036 (3.58-3.42)
Ramachandran outliers	138981	1005 (3.58-3.42)
Sidechain outliers	138945	1006 (3.58-3.42)
RSRZ outliers	127900	1559 (3.60-3.40)
RNA backbone	3102	1002 (4.00-3.00)

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 respectively. A grey segment represents the fraction of residues that are not modelled. The numeric value for each fraction is indicated below the corresponding segment, with a dot representing fractions $\leq 5\%$. The upper red bar (where present) indicates the fraction of residues that have poor fit to the electron density. The numeric value is given above the bar.

Mol	Chain	Length	Quality of chain
1	1A	2915	<div> <div>2%</div> <div> <div></div> <div>43%</div> <div>45%</div> <div>10%</div> <div></div> </div> </div>
1	2A	2915	<div> <div>4%</div> <div> <div></div> <div>46%</div> <div>42%</div> <div>8%</div> <div></div> </div> </div>
2	1B	121	<div> <div></div> <div> <div></div> <div>55%</div> <div>34%</div> <div>10%</div> <div></div> </div> </div>
2	2B	121	<div> <div></div> <div> <div></div> <div>47%</div> <div>40%</div> <div>12%</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	1N	140	
8	2N	140	
9	1O	122	
9	2O	122	
10	1P	150	
10	2P	150	
11	1Q	141	
11	2Q	141	
12	1R	118	
12	2R	118	
13	1S	112	
13	2S	112	
14	1T	146	
14	2T	146	
15	1U	118	

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

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Mol	Chain	Length	Quality of chain
28	17	49	
28	27	49	
29	18	65	
29	28	65	
30	19	37	
30	29	37	
31	1a	1521	
31	2a	1521	
32	1b	256	
32	2b	256	
33	1c	239	
33	2c	239	
34	1d	209	
34	2d	209	
35	1e	162	
35	2e	162	
36	1f	101	
36	2f	101	
37	1g	156	
37	2g	156	
38	1h	138	
38	2h	138	
39	1i	128	
39	2i	128	
40	1j	105	

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Mol	Chain	Length	Quality of chain
40	2j	105	
41	1k	129	
41	2k	129	
42	1l	132	
42	2l	132	
43	1m	126	
43	2m	126	
44	1n	61	
44	2n	61	
45	1o	89	
45	2o	89	
46	1p	88	
46	2p	88	
47	1q	105	
47	2q	105	
48	1r	88	
48	2r	88	
49	1s	93	
49	2s	93	
50	1t	106	
50	2t	106	
51	1u	27	
51	2u	27	
52	1v	758	
52	2v	758	

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Mol	Chain	Length	Quality of chain
53	1w	185	
53	2w	185	
54	1x	76	
54	1y	76	
54	2x	76	
54	2y	76	
55	1z	21	
55	2z	21	

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
54	PSU	1y	32	-	-	-	X
54	PSU	2x	32	-	-	-	X
54	MIA	2x	37	-	-	-	X
54	7MG	2x	46	-	-	-	X
54	5MU	2x	54	-	-	-	X
54	PSU	2x	55	-	-	-	X
54	4SU	2x	8	-	-	-	X
54	PSU	2y	39	-	-	-	X
54	5MU	2y	54	-	-	-	X
54	PSU	2y	55	-	-	-	X
56	MG	10	101	-	-	-	X
56	MG	10	104	-	-	-	X
56	MG	12	101	-	-	-	X
56	MG	13	301	-	-	-	X
56	MG	1A	4009	-	-	-	X
56	MG	1A	4012	-	-	-	X
56	MG	1A	4027	-	-	-	X
56	MG	1A	4036	-	-	-	X
56	MG	1A	4038	-	-	-	X
56	MG	1A	4047	-	-	-	X
56	MG	1A	4048	-	-	-	X
56	MG	1A	4052	-	-	-	X
56	MG	1A	4054	-	-	-	X

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
56	MG	1A	4060	-	-	-	X
56	MG	1A	4068	-	-	-	X
56	MG	1A	4075	-	-	-	X
56	MG	1A	4121	-	-	-	X
56	MG	1A	4134	-	-	-	X
56	MG	1A	4197	-	-	-	X
56	MG	1A	4202	-	-	-	X
56	MG	1A	4259	-	-	-	X
56	MG	1A	4282	-	-	-	X
56	MG	1A	4285	-	-	-	X
56	MG	1A	4288	-	-	-	X
56	MG	1A	4291	-	-	-	X
56	MG	1A	4301	-	-	-	X
56	MG	1A	4304	-	-	-	X
56	MG	1A	4307	-	-	-	X
56	MG	1A	4323	-	-	-	X
56	MG	1A	4354	-	-	-	X
56	MG	1A	4373	-	-	-	X
56	MG	1A	4404	-	-	-	X
56	MG	1A	4428	-	-	-	X
56	MG	1A	4464	-	-	-	X
56	MG	1A	4503	-	-	-	X
56	MG	1A	4516	-	-	-	X
56	MG	1A	4518	-	-	-	X
56	MG	1A	4519	-	-	-	X
56	MG	1A	4521	-	-	-	X
56	MG	1A	4535	-	-	-	X
56	MG	1A	4538	-	-	-	X
56	MG	1A	4546	-	-	-	X
56	MG	1A	4549	-	-	-	X
56	MG	1A	4550	-	-	-	X
56	MG	1A	4600	-	-	-	X
56	MG	1A	4633	-	-	-	X
56	MG	1A	4639	-	-	-	X
56	MG	1A	4662	-	-	-	X
56	MG	1A	4677	-	-	-	X
56	MG	1A	4678	-	-	-	X
56	MG	1A	4699	-	-	-	X
56	MG	1A	4706	-	-	-	X
56	MG	1A	4714	-	-	-	X
56	MG	1A	4747	-	-	-	X
56	MG	1A	4756	-	-	-	X

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
56	MG	1A	4762	-	-	-	X
56	MG	1A	4764	-	-	-	X
56	MG	1A	4765	-	-	-	X
56	MG	1A	4772	-	-	-	X
56	MG	1A	4788	-	-	-	X
56	MG	1A	4790	-	-	-	X
56	MG	1A	4809	-	-	-	X
56	MG	1A	4861	-	-	-	X
56	MG	1A	4884	-	-	-	X
56	MG	1A	4888	-	-	-	X
56	MG	1A	4889	-	-	-	X
56	MG	1A	4895	-	-	-	X
56	MG	1A	4927	-	-	-	X
56	MG	1A	4933	-	-	-	X
56	MG	1A	4948	-	-	-	X
56	MG	1A	4960	-	-	-	X
56	MG	1A	4966	-	-	-	X
56	MG	1A	4973	-	-	-	X
56	MG	1A	4985	-	-	-	X
56	MG	1A	5006	-	-	-	X
56	MG	1A	5014	-	-	-	X
56	MG	1A	5033	-	-	-	X
56	MG	1A	5035	-	-	-	X
56	MG	1B	205	-	-	-	X
56	MG	1B	212	-	-	-	X
56	MG	1B	214	-	-	-	X
56	MG	1B	223	-	-	-	X
56	MG	1D	306	-	-	-	X
56	MG	1D	308	-	-	-	X
56	MG	1O	204	-	-	-	X
56	MG	1P	202	-	-	-	X
56	MG	1Q	201	-	-	-	X
56	MG	1a	1615	-	-	-	X
56	MG	1a	1621	-	-	-	X
56	MG	1a	1622	-	-	-	X
56	MG	1a	1629	-	-	-	X
56	MG	1a	1634	-	-	-	X
56	MG	1a	1642	-	-	-	X
56	MG	1a	1649	-	-	-	X
56	MG	1a	1669	-	-	-	X
56	MG	1a	1670	-	-	-	X
56	MG	1a	1682	-	-	-	X

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
56	MG	1a	1684	-	-	-	X
56	MG	1a	1685	-	-	-	X
56	MG	1a	1688	-	-	-	X
56	MG	1a	1704	-	-	-	X
56	MG	1a	1706	-	-	-	X
56	MG	1a	1730	-	-	-	X
56	MG	1a	1738	-	-	-	X
56	MG	1a	1742	-	-	-	X
56	MG	1a	1745	-	-	-	X
56	MG	1a	1752	-	-	-	X
56	MG	1a	1763	-	-	-	X
56	MG	1a	1765	-	-	-	X
56	MG	1a	1768	-	-	-	X
56	MG	1a	1776	-	-	-	X
56	MG	1a	1777	-	-	-	X
56	MG	1a	1780	-	-	-	X
56	MG	1a	1792	-	-	-	X
56	MG	1a	1794	-	-	-	X
56	MG	1a	1803	-	-	-	X
56	MG	1a	1805	-	-	-	X
56	MG	1a	1810	-	-	-	X
56	MG	1a	1843	-	-	-	X
56	MG	1a	1845	-	-	-	X
56	MG	1a	1850	-	-	-	X
56	MG	1a	1852	-	-	-	X
56	MG	1a	1854	-	-	-	X
56	MG	1a	1856	-	-	-	X
56	MG	1a	1863	-	-	-	X
56	MG	1a	1875	-	-	-	X
56	MG	1a	1898	-	-	-	X
56	MG	1a	1906	-	-	-	X
56	MG	1a	1908	-	-	-	X
56	MG	1a	1909	-	-	-	X
56	MG	1a	1910	-	-	-	X
56	MG	1a	1911	-	-	-	X
56	MG	1a	1912	-	-	-	X
56	MG	1b	304	-	-	-	X
56	MG	1b	305	-	-	-	X
56	MG	1d	301	-	-	-	X
56	MG	1m	201	-	-	-	X
56	MG	1q	201	-	-	-	X
56	MG	23	101	-	-	-	X

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
56	MG	23	103	-	-	-	X
56	MG	27	101	-	-	-	X
56	MG	28	101	-	-	-	X
56	MG	2A	3016	-	-	-	X
56	MG	2A	3018	-	-	-	X
56	MG	2A	3019	-	-	-	X
56	MG	2A	3020	-	-	-	X
56	MG	2A	3021	-	-	-	X
56	MG	2A	3022	-	-	-	X
56	MG	2A	3025	-	-	-	X
56	MG	2A	3027	-	-	-	X
56	MG	2A	3028	-	-	-	X
56	MG	2A	3030	-	-	-	X
56	MG	2A	3034	-	-	-	X
56	MG	2A	3057	-	-	-	X
56	MG	2A	3071	-	-	-	X
56	MG	2A	3076	-	-	-	X
56	MG	2A	3077	-	-	-	X
56	MG	2A	3083	-	-	-	X
56	MG	2A	3084	-	-	-	X
56	MG	2A	3091	-	-	-	X
56	MG	2A	3094	-	-	-	X
56	MG	2A	3097	-	-	-	X
56	MG	2A	3105	-	-	-	X
56	MG	2A	3107	-	-	-	X
56	MG	2A	3111	-	-	-	X
56	MG	2A	3112	-	-	-	X
56	MG	2A	3116	-	-	-	X
56	MG	2A	3122	-	-	-	X
56	MG	2A	3131	-	-	-	X
56	MG	2A	3133	-	-	-	X
56	MG	2A	3136	-	-	-	X
56	MG	2A	3137	-	-	-	X
56	MG	2A	3142	-	-	-	X
56	MG	2A	3146	-	-	-	X
56	MG	2A	3151	-	-	-	X
56	MG	2A	3155	-	-	-	X
56	MG	2A	3160	-	-	-	X
56	MG	2A	3161	-	-	-	X
56	MG	2A	3176	-	-	-	X
56	MG	2A	3184	-	-	-	X
56	MG	2A	3191	-	-	-	X

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
56	MG	2A	3193	-	-	-	X
56	MG	2A	3204	-	-	-	X
56	MG	2A	3206	-	-	-	X
56	MG	2A	3245	-	-	-	X
56	MG	2A	3246	-	-	-	X
56	MG	2A	3248	-	-	-	X
56	MG	2A	3252	-	-	-	X
56	MG	2A	3257	-	-	-	X
56	MG	2A	3263	-	-	-	X
56	MG	2A	3272	-	-	-	X
56	MG	2A	3283	-	-	-	X
56	MG	2A	3284	-	-	-	X
56	MG	2A	3299	-	-	-	X
56	MG	2A	3302	-	-	-	X
56	MG	2A	3305	-	-	-	X
56	MG	2A	3307	-	-	-	X
56	MG	2A	3319	-	-	-	X
56	MG	2A	3327	-	-	-	X
56	MG	2A	3329	-	-	-	X
56	MG	2A	3337	-	-	-	X
56	MG	2A	3350	-	-	-	X
56	MG	2A	3351	-	-	-	X
56	MG	2A	3383	-	-	-	X
56	MG	2A	3389	-	-	-	X
56	MG	2A	3397	-	-	-	X
56	MG	2A	3398	-	-	-	X
56	MG	2A	3402	-	-	-	X
56	MG	2A	3403	-	-	-	X
56	MG	2A	3431	-	-	-	X
56	MG	2A	3440	-	-	-	X
56	MG	2A	3449	-	-	-	X
56	MG	2A	3451	-	-	-	X
56	MG	2A	3461	-	-	-	X
56	MG	2A	3464	-	-	-	X
56	MG	2A	3465	-	-	-	X
56	MG	2A	3470	-	-	-	X
56	MG	2A	3472	-	-	-	X
56	MG	2A	3476	-	-	-	X
56	MG	2A	3477	-	-	-	X
56	MG	2A	3482	-	-	-	X
56	MG	2A	3486	-	-	-	X
56	MG	2A	3502	-	-	-	X

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
56	MG	2A	3512	-	-	-	X
56	MG	2A	3517	-	-	-	X
56	MG	2A	3521	-	-	-	X
56	MG	2A	3529	-	-	-	X
56	MG	2A	3536	-	-	-	X
56	MG	2A	3546	-	-	-	X
56	MG	2A	3552	-	-	-	X
56	MG	2A	3555	-	-	-	X
56	MG	2A	3556	-	-	-	X
56	MG	2A	3572	-	-	-	X
56	MG	2A	3574	-	-	-	X
56	MG	2A	3579	-	-	-	X
56	MG	2A	3582	-	-	-	X
56	MG	2A	3583	-	-	-	X
56	MG	2A	3591	-	-	-	X
56	MG	2A	3612	-	-	-	X
56	MG	2A	3615	-	-	-	X
56	MG	2A	3624	-	-	-	X
56	MG	2A	3629	-	-	-	X
56	MG	2A	3637	-	-	-	X
56	MG	2A	3639	-	-	-	X
56	MG	2A	3647	-	-	-	X
56	MG	2A	3675	-	-	-	X
56	MG	2A	3681	-	-	-	X
56	MG	2A	3692	-	-	-	X
56	MG	2A	3695	-	-	-	X
56	MG	2A	3719	-	-	-	X
56	MG	2A	3724	-	-	-	X
56	MG	2A	3735	-	-	-	X
56	MG	2A	3739	-	-	-	X
56	MG	2A	3770	-	-	-	X
56	MG	2A	3783	-	-	-	X
56	MG	2A	3789	-	-	-	X
56	MG	2A	3798	-	-	-	X
56	MG	2A	3800	-	-	-	X
56	MG	2A	3808	-	-	-	X
56	MG	2A	3826	-	-	-	X
56	MG	2A	3828	-	-	-	X
56	MG	2A	3830	-	-	-	X
56	MG	2B	203	-	-	-	X
56	MG	2B	208	-	-	-	X
56	MG	2B	216	-	-	-	X

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
56	MG	2B	218	-	-	-	X
56	MG	2B	221	-	-	-	X
56	MG	2B	230	-	-	-	X
56	MG	2B	232	-	-	-	X
56	MG	2F	303	-	-	-	X
56	MG	2P	203	-	-	-	X
56	MG	2Q	202	-	-	-	X
56	MG	2Q	206	-	-	-	X
56	MG	2Z	401	-	-	-	X
56	MG	2Z	403	-	-	-	X
56	MG	2a	1602	-	-	-	X
56	MG	2a	1606	-	-	-	X
56	MG	2a	1607	-	-	-	X
56	MG	2a	1608	-	-	-	X
56	MG	2a	1609	-	-	-	X
56	MG	2a	1617	-	-	-	X
56	MG	2a	1620	-	-	-	X
56	MG	2a	1622	-	-	-	X
56	MG	2a	1625	-	-	-	X
56	MG	2a	1627	-	-	-	X
56	MG	2a	1628	-	-	-	X
56	MG	2a	1634	-	-	-	X
56	MG	2a	1648	-	-	-	X
56	MG	2a	1663	-	-	-	X
56	MG	2a	1664	-	-	-	X
56	MG	2a	1666	-	-	-	X
56	MG	2a	1668	-	-	-	X
56	MG	2a	1669	-	-	-	X
56	MG	2a	1671	-	-	-	X
56	MG	2a	1673	-	-	-	X
56	MG	2a	1674	-	-	-	X
56	MG	2a	1676	-	-	-	X
56	MG	2a	1678	-	-	-	X
56	MG	2a	1682	-	-	-	X
56	MG	2a	1683	-	-	-	X
56	MG	2a	1684	-	-	-	X
56	MG	2a	1688	-	-	-	X
56	MG	2a	1700	-	-	-	X
56	MG	2a	1706	-	-	-	X
56	MG	2a	1709	-	-	-	X
56	MG	2a	1710	-	-	-	X
56	MG	2a	1713	-	-	-	X

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
56	MG	2a	1714	-	-	-	X
56	MG	2a	1716	-	-	-	X
56	MG	2a	1718	-	-	-	X
56	MG	2a	1722	-	-	-	X
56	MG	2a	1732	-	-	-	X
56	MG	2a	1735	-	-	-	X
56	MG	2a	1748	-	-	-	X
56	MG	2a	1753	-	-	-	X
56	MG	2a	1754	-	-	-	X
56	MG	2a	1758	-	-	-	X
56	MG	2a	1766	-	-	-	X
56	MG	2a	1768	-	-	-	X
56	MG	2a	1776	-	-	-	X
56	MG	2a	1780	-	-	-	X
56	MG	2a	1785	-	-	-	X
56	MG	2a	1786	-	-	-	X
56	MG	2a	1791	-	-	-	X
56	MG	2a	1794	-	-	-	X
56	MG	2a	1805	-	-	-	X
56	MG	2a	1826	-	-	-	X
56	MG	2a	1828	-	-	-	X
56	MG	2a	1860	-	-	-	X
56	MG	2a	1887	-	-	-	X
56	MG	2a	1893	-	-	-	X
56	MG	2a	1899	-	-	-	X
56	MG	2a	1901	-	-	-	X
56	MG	2a	1905	-	-	-	X
56	MG	2a	1912	-	-	-	X
56	MG	2a	1918	-	-	-	X
56	MG	2a	1921	-	-	-	X
56	MG	2d	301	-	-	-	X
56	MG	2e	201	-	-	-	X
56	MG	2g	202	-	-	-	X
56	MG	2g	206	-	-	-	X
56	MG	2h	203	-	-	-	X
56	MG	2i	204	-	-	-	X
56	MG	2l	204	-	-	-	X
56	MG	2l	206	-	-	-	X
56	MG	2m	201	-	-	-	X
56	MG	2m	202	-	-	-	X
56	MG	2o	301	-	-	-	X
56	MG	2p	102	-	-	-	X

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
56	MG	2q	201	-	-	-	X
56	MG	2r	301	-	-	-	X
56	MG	2s	102	-	-	-	X
56	MG	2u	101	-	-	-	X
56	MG	2v	701	-	-	-	X
56	MG	2w	202	-	-	-	X
56	MG	2x	102	-	-	-	X
56	MG	2x	103	-	-	-	X
56	MG	2x	104	-	-	-	X
56	MG	2x	105	-	-	-	X
56	MG	2x	107	-	-	-	X
56	MG	2x	108	-	-	-	X
56	MG	2y	101	-	-	-	X
56	MG	2y	103	-	-	-	X
56	MG	2y	106	-	-	-	X
56	MG	2z	103	-	-	-	X

2 Entry composition

There are 60 unique types of molecules in this entry. The entry contains 305259 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
			1451	930	261	256	4			
6	2G	181	Total	C	N	O	S	0	0	0
			1453	930	263	256	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 L13.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
8	1N	140	Total	C	N	O	S	0	0	0
			1117	719	207	187	4			
8	2N	140	Total	C	N	O	S	0	0	0
			1117	719	207	187	4			

- Molecule 9 is a protein called 50S ribosomal protein L14.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
9	1O	122	Total	C	N	O	S	0	0	0
			933	588	171	170	4			
9	2O	122	Total	C	N	O	S	0	0	0
			933	588	171	170	4			

- Molecule 10 is a protein called 50S ribosomal protein L15.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
10	1P	149	Total	C	N	O	S	0	0	0
			1135	706	230	196	3			

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
10	2P	149	Total	C	N	O	S	0	0	0
			1135	706	230	196	3			

- Molecule 11 is a protein called 50S ribosomal protein L16.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
11	1Q	141	Total	C	N	O	S	0	0	0
			1122	715	212	188	7			
11	2Q	141	Total	C	N	O	S	0	0	0
			1122	715	212	188	7			

- Molecule 12 is a protein called 50S ribosomal protein L17.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
12	1R	118	Total	C	N	O	S	0	0	0
			968	604	203	160	1			
12	2R	118	Total	C	N	O	S	0	0	0
			968	604	203	160	1			

- Molecule 13 is a protein called 50S ribosomal protein L18.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
13	1S	110	Total	C	N	O	0	0	0
			873	550	174	149			
13	2S	110	Total	C	N	O	0	0	0
			870	549	173	148			

- Molecule 14 is a protein called 50S ribosomal protein L19.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
14	1T	131	Total	C	N	O	S	0	0	0
			1091	680	225	185	1			
14	2T	131	Total	C	N	O	S	0	0	0
			1083	675	224	183	1			

- Molecule 15 is a protein called 50S ribosomal protein L20.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
15	1U	116	Total	C	N	O	S	0	0	0
			959	608	201	149	1			
15	2U	116	Total	C	N	O	S	0	0	0
			959	608	201	149	1			

- Molecule 16 is a protein called 50S ribosomal protein L21.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
16	1V	101	Total	C	N	O	S	0	0	0
			771	495	140	135	1			
16	2V	101	Total	C	N	O	S	0	0	0
			771	495	140	135	1			

- Molecule 17 is a protein called 50S ribosomal protein L22.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
17	1W	112	Total	C	N	O	S	0	0	0
			886	557	174	153	2			
17	2W	112	Total	C	N	O	S	0	0	0
			886	557	174	153	2			

- Molecule 18 is a protein called 50S ribosomal protein L23.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
18	1X	95	Total	C	N	O	S	0	0	0
			750	488	135	126	1			
18	2X	95	Total	C	N	O	S	0	0	0
			750	488	135	126	1			

- Molecule 19 is a protein called 50S ribosomal protein L24.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
19	1Y	107	Total	C	N	O	S	0	0	0
			806	517	152	131	6			
19	2Y	107	Total	C	N	O	S	0	0	0
			806	517	152	131	6			

- Molecule 20 is a protein called 50S ribosomal protein L25.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
20	1Z	204	Total	C	N	O	S	0	0	0
			1582	1007	278	295	2			
20	2Z	204	Total	C	N	O	S	0	0	0
			1582	1007	278	295	2			

- Molecule 21 is a protein called 50S ribosomal protein L27.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
21	10	75	Total	C	N	O	S	0	0	0
			598	370	127	100	1			
21	20	75	Total	C	N	O	S	0	0	0
			598	370	127	100	1			

- Molecule 22 is a protein called 50S ribosomal protein L28.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
22	11	97	Total	C	N	O	S	0	0	0
			755	475	148	131	1			
22	21	97	Total	C	N	O	S	0	0	0
			755	475	148	131	1			

- Molecule 23 is a protein called 50S ribosomal protein L29.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
23	12	70	Total	C	N	O	S	0	0	0
			588	365	118	103	2			
23	22	70	Total	C	N	O	S	0	0	0
			588	365	118	103	2			

- Molecule 24 is a protein called 50S ribosomal protein L30.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
24	13	59	Total	C	N	O	0	0	0
			469	298	90	81			
24	23	59	Total	C	N	O	0	0	0
			464	296	90	78			

- Molecule 25 is a protein called 50S ribosomal protein L31.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
25	14	69	Total	C	N	O	S	0	0	0
			552	349	99	99	5			
25	24	69	Total	C	N	O	S	0	0	0
			532	339	97	91	5			

- Molecule 26 is a protein called 50S ribosomal protein L32.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
26	15	59	Total	C	N	O	S	0	0	0
			455	285	89	76	5			

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
26	25	59	Total	C	N	O	S	0	0	0
			455	285	89	76	5			

- Molecule 27 is a protein called 50S ribosomal protein L33.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
27	16	53	Total	C	N	O	S	0	0	0
			453	281	91	77	4			
27	26	53	Total	C	N	O	S	0	0	0
			449	279	91	75	4			

- Molecule 28 is a protein called 50S ribosomal protein L34.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
28	17	48	Total	C	N	O	S	0	0	0
			418	257	104	55	2			
28	27	48	Total	C	N	O	S	0	0	0
			418	257	104	55	2			

- Molecule 29 is a protein called 50S ribosomal protein L35.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
29	18	64	Total	C	N	O	S	0	0	0
			517	331	102	82	2			
29	28	64	Total	C	N	O	S	0	0	0
			517	331	102	82	2			

- Molecule 30 is a protein called 50S ribosomal protein L36.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
30	19	37	Total	C	N	O	S	0	0	0
			307	188	68	47	4			
30	29	37	Total	C	N	O	S	0	0	0
			307	188	68	47	4			

- Molecule 31 is a RNA chain called 16S Ribosomal RNA.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
31	1a	1499	Total	C	N	O	P	0	0	0
			32224	14348	5970	10407	1499			
31	2a	1503	Total	C	N	O	P	0	0	0
			32327	14396	5990	10438	1503			

- Molecule 32 is a protein called 30S ribosomal protein S2.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
32	1b	231	Total	C	N	O	S	0	0	0
			1846	1179	331	331	5			
32	2b	231	Total	C	N	O	S	0	0	0
			1825	1167	326	327	5			

- Molecule 33 is a protein called 30S ribosomal protein S3.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
33	1c	206	Total	C	N	O	S	0	0	0
			1548	973	301	273	1			
33	2c	206	Total	C	N	O	S	0	0	0
			1542	968	300	273	1			

- Molecule 34 is a protein called 30S ribosomal protein S4.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
34	1d	208	Total	C	N	O	S	0	0	0
			1655	1038	326	284	7			
34	2d	208	Total	C	N	O	S	0	0	0
			1674	1050	333	284	7			

- Molecule 35 is a protein called 30S ribosomal protein S5.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
35	1e	148	Total	C	N	O	S	0	0	0
			1129	714	213	198	4			
35	2e	148	Total	C	N	O	S	0	0	0
			1133	716	214	199	4			

- Molecule 36 is a protein called 30S ribosomal protein S6.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
36	1f	100	Total	C	N	O	S	0	0	0
			810	514	144	149	3			
36	2f	100	Total	C	N	O	S	0	0	0
			816	516	146	151	3			

- Molecule 37 is a protein called 30S ribosomal protein S7.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
37	1g	155	Total	C	N	O	S	0	0	0
			1231	766	243	216	6			
37	2g	155	Total	C	N	O	S	0	0	0
			1235	769	244	216	6			

- Molecule 38 is a protein called 30S ribosomal protein S8.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
38	1h	137	Total	C	N	O	S	0	0	0
			1088	689	206	191	2			
38	2h	137	Total	C	N	O	S	0	0	0
			1088	689	206	191	2			

- Molecule 39 is a protein called 30S ribosomal protein S9.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
39	1i	127	Total	C	N	O		0	0	0
			983	623	193	167				
39	2i	127	Total	C	N	O		0	0	0
			978	619	190	169				

- Molecule 40 is a protein called 30S ribosomal protein S10.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
40	1j	97	Total	C	N	O		0	0	0
			709	440	138	131				
40	2j	96	Total	C	N	O		0	0	0
			714	445	138	131				

- Molecule 41 is a protein called 30S ribosomal protein S11.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
41	1k	114	Total	C	N	O	S	0	0	0
			829	516	155	155	3			
41	2k	114	Total	C	N	O	S	0	0	0
			833	519	156	155	3			

- Molecule 42 is a protein called 30S ribosomal protein S12.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
42	1l	122	Total	C	N	O	S	0	0	0
			932	586	185	159	2			

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
42	2l	122	Total	C	N	O	S	0	0	0
			932	586	185	159	2			

- Molecule 43 is a protein called 30S ribosomal protein S13.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
43	1m	118	Total	C	N	O	S	0	0	0
			919	566	190	161	2			
43	2m	122	Total	C	N	O	S	0	0	0
			950	586	197	165	2			

- Molecule 44 is a protein called 30S ribosomal protein S14 type Z.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
44	1n	60	Total	C	N	O	S	0	0	0
			492	312	104	72	4			
44	2n	60	Total	C	N	O	S	0	0	0
			492	312	104	72	4			

- Molecule 45 is a protein called 30S ribosomal protein S15.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
45	1o	88	Total	C	N	O	S	0	0	0
			728	456	144	126	2			
45	2o	88	Total	C	N	O	S	0	0	0
			728	456	144	126	2			

- Molecule 46 is a protein called 30S ribosomal protein S16.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
46	1p	82	Total	C	N	O	S	0	0	0
			681	433	134	113	1			
46	2p	82	Total	C	N	O	S	0	0	0
			677	430	133	113	1			

- Molecule 47 is a protein called 30S ribosomal protein S17.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
47	1q	99	Total	C	N	O	S	0	0	0
			823	528	151	142	2			
47	2q	99	Total	C	N	O	S	0	0	0
			823	528	151	142	2			

- Molecule 48 is a protein called 30S ribosomal protein S18.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
48	1r	68	Total	C	N	O	0	0	0
			555	355	108	92			
48	2r	68	Total	C	N	O	0	0	0
			555	355	108	92			

- Molecule 49 is a protein called 30S ribosomal protein S19.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
49	1s	83	Total	C	N	O	S	0	0	0
			652	417	120	113	2			
49	2s	83	Total	C	N	O	S	0	0	0
			646	412	119	113	2			

- Molecule 50 is a protein called 30S ribosomal protein S20.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
50	1t	96	Total	C	N	O	S	0	0	0
			728	446	156	124	2			
50	2t	96	Total	C	N	O	S	0	0	0
			727	446	155	124	2			

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

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
51	1u	23	Total	C	N	O	0	0	0
			199	122	48	29			
51	2u	23	Total	C	N	O	0	0	0
			199	122	48	29			

- Molecule 52 is a protein called 50S ribosomal protein L9,Elongation factor G.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
52	1v	728	Total	C	N	O	S	0	0	0
			5664	3599	974	1072	19			
52	2v	728	Total	C	N	O	S	0	0	0
			5664	3599	974	1072	19			

- Molecule 53 is a protein called Ribosome-recycling factor.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
53	1w	185	Total	C	N	O	S	0	0	0
			1478	924	270	282	2			
53	2w	185	Total	C	N	O	S	0	0	0
			1478	924	270	282	2			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
54	1x	74	Total	C	N	O	P	S	0	0
			1581	707	285	515	73	1		
54	1y	74	Total	C	N	O	P	S	0	0
			1581	707	285	515	73	1		
54	2x	74	Total	C	N	O	P	S	0	0
			1581	707	285	515	73	1		
54	2y	74	Total	C	N	O	P	S	0	0
			1581	707	285	515	73	1		

- Molecule 55 is a RNA chain called mRNA.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
55	1z	10	Total	C	N	O	P	0	0	0
			212	96	39	67	10			
55	2z	10	Total	C	N	O	P	0	0	0
			212	96	39	67	10			

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

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
56	2r	2	Total	Mg	0	0
			2	2		
56	1T	5	Total	Mg	0	0
			5	5		
56	20	6	Total	Mg	0	0
			6	6		
56	1Y	1	Total	Mg	0	0
			1	1		
56	2h	5	Total	Mg	0	0
			5	5		
56	2F	4	Total	Mg	0	0
			4	4		
56	1n	2	Total	Mg	0	0
			2	2		
56	2w	2	Total	Mg	0	0
			2	2		

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
56	1S	2	Total 2	Mg 2	0	0
56	25	1	Total 1	Mg 1	0	0
56	2b	3	Total 3	Mg 3	0	0
56	1D	8	Total 8	Mg 8	0	0
56	2m	3	Total 3	Mg 3	0	0
56	2X	1	Total 1	Mg 1	0	0
56	1x	2	Total 2	Mg 2	0	0
56	1m	2	Total 2	Mg 2	0	0
56	2t	1	Total 1	Mg 1	0	0
56	2g	6	Total 6	Mg 6	0	0
56	19	1	Total 1	Mg 1	0	0
56	1g	2	Total 2	Mg 2	0	0
56	2y	10	Total 10	Mg 10	0	0
56	2d	3	Total 3	Mg 3	0	0
56	1N	1	Total 1	Mg 1	0	0
56	13	1	Total 1	Mg 1	0	0
56	2B	32	Total 32	Mg 32	0	0
56	1q	1	Total 1	Mg 1	0	0
56	1b	9	Total 9	Mg 9	0	0
56	2s	3	Total 3	Mg 3	0	0
56	1W	2	Total 2	Mg 2	0	0

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
56	2l	1	Total 1	Mg 1	0	0
56	2i	4	Total 4	Mg 4	0	0
56	2T	2	Total 2	Mg 2	0	0
56	1a	319	Total 319	Mg 319	0	0
56	2p	3	Total 3	Mg 3	0	0
56	1R	3	Total 3	Mg 3	0	0
56	26	2	Total 2	Mg 2	0	0
56	2c	1	Total 1	Mg 1	0	0
56	1H	2	Total 2	Mg 2	0	0
56	2Y	2	Total 2	Mg 2	0	0
56	1v	3	Total 3	Mg 3	0	0
56	2D	6	Total 6	Mg 6	0	0
56	1l	1	Total 1	Mg 1	0	0
56	2u	3	Total 3	Mg 3	0	0
56	1Q	3	Total 3	Mg 3	0	0
56	1B	26	Total 26	Mg 26	0	0
56	2S	1	Total 1	Mg 1	0	0
56	17	3	Total 3	Mg 3	0	0
56	1u	1	Total 1	Mg 1	0	0
56	18	3	Total 3	Mg 3	0	0
56	2z	3	Total 3	Mg 3	0	0

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
56	28	6	Total 6	Mg 6	0	0
56	2e	2	Total 2	Mg 2	0	0
56	1A	1063	Total 1063	Mg 1063	0	0
56	2P	3	Total 3	Mg 3	0	0
56	12	1	Total 1	Mg 1	0	0
56	1p	1	Total 1	Mg 1	0	0
56	2N	2	Total 2	Mg 2	0	0
56	1e	2	Total 2	Mg 2	0	0
56	1V	1	Total 1	Mg 1	0	0
56	11	1	Total 1	Mg 1	0	0
56	2q	4	Total 4	Mg 4	0	0
56	1U	3	Total 3	Mg 3	0	0
56	27	3	Total 3	Mg 3	0	0
56	1F	1	Total 1	Mg 1	0	0
56	2o	1	Total 1	Mg 1	0	0
56	2Z	4	Total 4	Mg 4	0	0
56	2E	5	Total 5	Mg 5	0	0
56	1z	1	Total 1	Mg 1	0	0
56	1o	1	Total 1	Mg 1	0	0
56	2v	3	Total 3	Mg 3	0	0
56	1P	5	Total 5	Mg 5	0	0

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
56	24	1	Total 1	Mg 1	0	0
56	2a	321	Total 321	Mg 321	0	0
56	1E	8	Total 8	Mg 8	0	0
56	2l	6	Total 6	Mg 6	0	0
56	16	1	Total 1	Mg 1	0	0
56	1t	1	Total 1	Mg 1	0	0
56	1y	6	Total 6	Mg 6	0	0
56	29	2	Total 2	Mg 2	0	0
56	2f	4	Total 4	Mg 4	0	0
56	2Q	6	Total 6	Mg 6	0	0
56	15	2	Total 2	Mg 2	0	0
56	1s	3	Total 3	Mg 3	0	0
56	2O	1	Total 1	Mg 1	0	0
56	1d	4	Total 4	Mg 4	0	0
56	1i	1	Total 1	Mg 1	0	0
56	23	3	Total 3	Mg 3	0	0
56	2x	8	Total 8	Mg 8	0	0
56	1Z	5	Total 5	Mg 5	0	0
56	2k	2	Total 2	Mg 2	0	0
56	1O	5	Total 5	Mg 5	0	0
56	2V	1	Total 1	Mg 1	0	0

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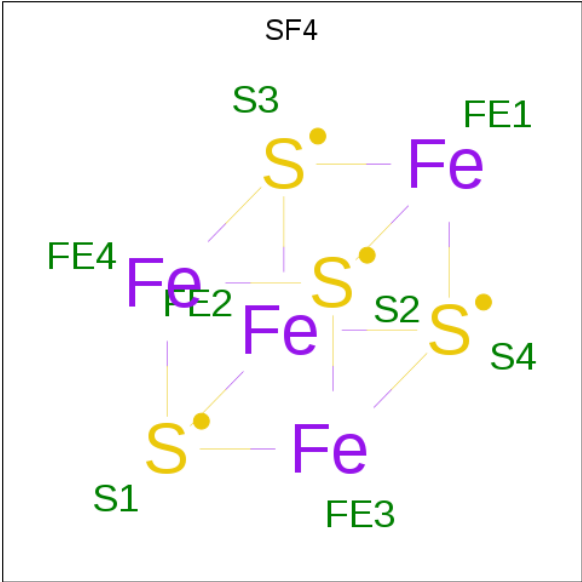
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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
56	10	4	Total 4	Mg 4	0	0
56	2A	852	Total 852	Mg 852	0	0

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

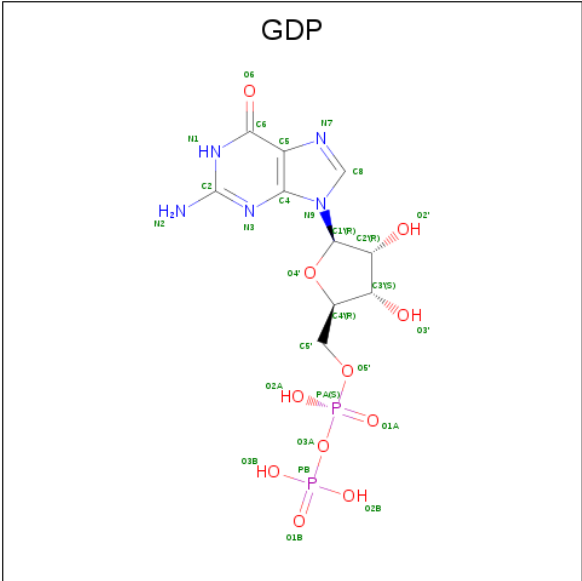
Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
57	1Y	1	Total 1	Zn 1	0	0
57	14	1	Total 1	Zn 1	0	0
57	1n	1	Total 1	Zn 1	0	0
57	15	1	Total 1	Zn 1	0	0
57	29	1	Total 1	Zn 1	0	0
57	19	1	Total 1	Zn 1	0	0
57	26	1	Total 1	Zn 1	0	0
57	25	1	Total 1	Zn 1	0	0
57	24	1	Total 1	Zn 1	0	0
57	2n	1	Total 1	Zn 1	0	0
57	2Y	1	Total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

- Molecule 58 is IRON/SULFUR CLUSTER (three-letter code: SF4) (formula: Fe₄S₄).



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

- Molecule 59 is GUANOSINE-5'-DIPHOSPHATE (three-letter code: GDP) (formula: C₁₀H₁₅N₅O₁₁P₂).



Mol	Chain	Residues	Atoms				ZeroOcc	AltConf
59	1v	1	Total	C	N	O	0	0
			28	10	5	11		

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf
59	2v	1	Total	C	N	O	P	0	0
			28	10	5	11	2		

- Molecule 60 is POTASSIUM ION (three-letter code: K) (formula: K).

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
60	2A	1	Total	K	0	0
			1	1		

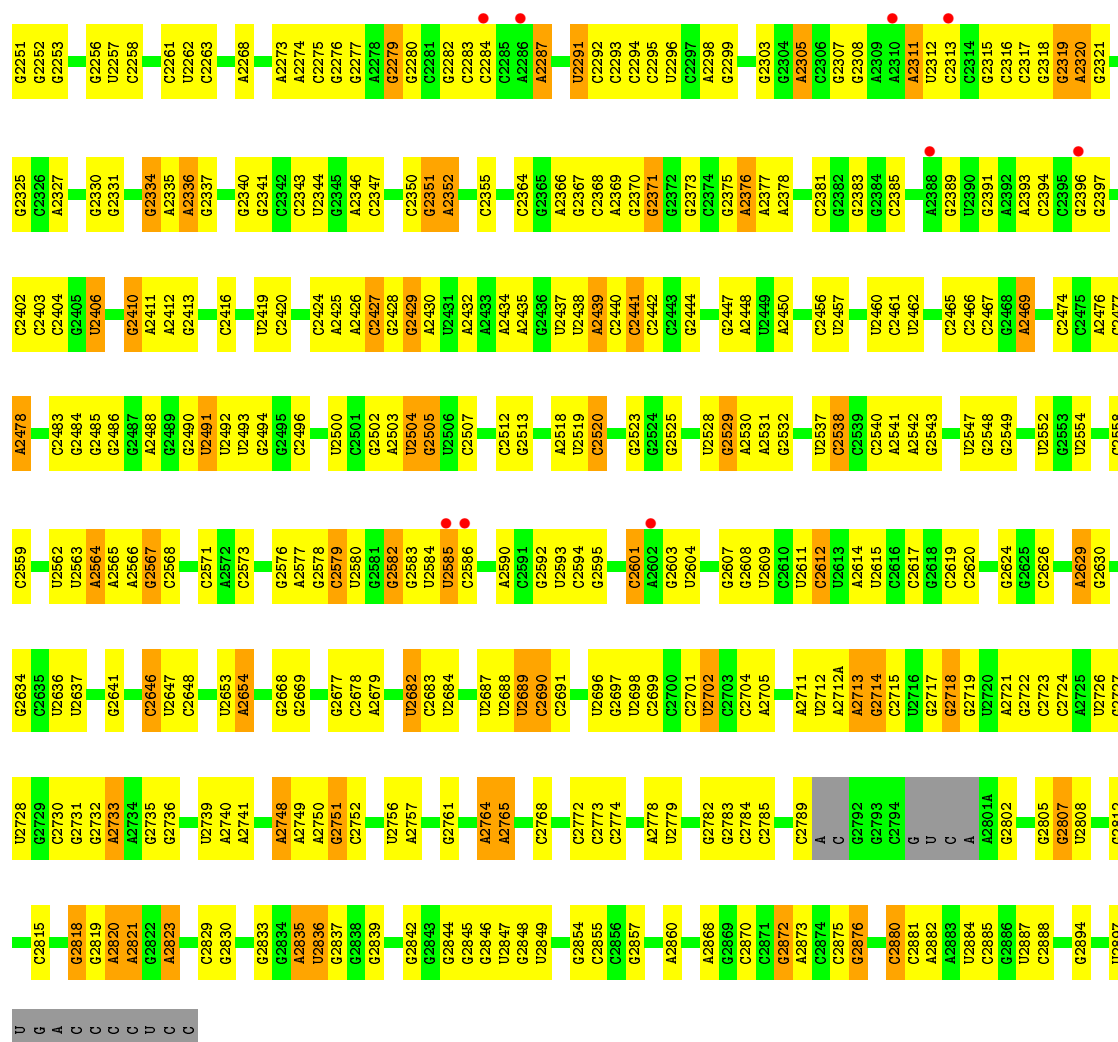
G1799	G1696	A1603	C1505	G1446	A1342	G1184	U1094	G1031	G956	G882	U811	G741
C1800	G1697	C1607	A1508	C1417	G1343	C1185	A1095	A1032	A957	G883	C812	G742
A1803	G1698	A1608	C1509	U1420	G1344	G1186	A1096	U1033	U958	C884	U813	G743
C1804	A1700	A1609	A1509A	G1421	C1345	G1187	U1097	U1034	A959	C885	C814	G744
C1806	G1703	A1610	A1509B	G1422	G1346	U1188	U1101	U1035	A960	C886	C815	G745
C1807	G1704	C1611	G1510	G1423	G1347	A1189	G1102	C1038	G961	A887	C816	G746
		C1612	C1511	G1424	U1352	G1190	A1103	U1039	G962	G888	U747	U747
A1812	G1719	A1613	U1512	G1425	A1353	G1191	A1104	C1040	C967	C889	A819	U748
C1813	U1720	C1614	C1513	A1426	A1354	C1201	C1104	C1041	U968	A890	A820	C749
G1814	U1615	A1615	U1514	G1427	G1355	G1281	G1105	C1042	G969	A891	A821	A750
A1815	A1616	C1616	G1515	A1428	G1356	G1282	G1106	U1043	C970	A896	A751	A751
G1816			G1516	G1429	U1357	U1283	G1110	C1044	C971	C897	U826	A752
	G1622		U1518	C1430	G1358	G1284	A1111	A1045	G972	C898	U828	C755
	G1623		G1519	A1359	A1359	U1286	G1112	A1046	A973	A899	U829	C756
	G1624		G1436	A1360	A1360	C1207	U1113	G1047	C974	A900	A830	G757
							G1114	A1048	C975	A901	G831	C758
	G1628		G1532	G1440	G1364	A1210	G1115	C1049	C976	C902	G832	G759
	U1629		C1441	G1441	A1365	U1289	G1116	A1050	C977	C903	U833	G760
			G1442	A1445	A1366	C1291	G1125	G1051		U905	A834	A764
	G1635		A1446	C1446	A1367	U1292	A1126	C1052	A980	G906	A835	G765
	C1636		C1447A	G1447	G1368	C1293	A1127	C1053	A981	G907	G836	G766
	A1637		C1448		G1369	U1294	A1128	G1054	C982	U907	C837	G767
	C1638		C1449		G1370	C1295	G1129	G1055	A983	A910	U838	G768
	U1639		G1450		G1371	G1296	U1130	A1056		A911	C840	G770
	C1640		C1451		U1372	A1220	G1131	A1057				
	A1641		C1450A		A1373		G1132	G1058	G989	C914	A841	U773
	G1642		C1451		G1374	A1226	G1133	G1059	G993	C915	G842	A774
			U1441		A1375	G1231	G1134	U1060	C994	C944	G843	G775
	G1646		A1445		C1376	G1232	G1135	G1061	C995	G916	G844	G776
	G1647		C1446		G1377	C1304	G1136	G1062	A996	A917	G845	A777
	C1648		C1446		A1378	G1305	G1139	G1063	G997	A918	G848	G778
	G1649		G1456		A1379	C1306	C1140	U1064	C998	G919	A849	U779
			A1457		G1380		U1141	U1065	U999	G920		
	A1652		A1460		A1384	U1240	U1142	U1066	A1000	U922	G855	A782
	G1653		G1466		G1385	A1241	A1143	A1067	A1001	U923	G856	A783
	A1654		C1467			A1242	A1144	G1068	G932	C857	U858	A784
	A1655		C1467		G1388	G1243	G1144	A1069	G1002	G859	G785	G785
	C1656		A1471		G1389	G1244	C1145	G1070	G1003	G927		
	C1657				U1390		G1151	G1071	C1004			
	C1658		G1474		U1391	G1248	C1152	C1072	C1005	G931	U860	A787
			G1475		A1392	U1249	C1153	A1073	A1006	G932	A861	A788
	A1665		C1479		A1393	C1251	G1154	C1074	C1007	A933	G862	A789
	G1666		U1479		U1394	G1252	A1155	C1075		C790	A863	C790
	A1667		G1480		A1395	A1253	G1156	C1076	G1011	C791	G864	C791
	A1668		U1481		U1396	A1254	G1157	A1077	U1012	G792	U868	A793
	A1669		G1482		U1397	U1255	G1164	C1078	C1013	G794	G869	G794
					C1398	G1256	U1165	C1079	G1014	C795	A870	C795
	G1674		A1486			C1257	U1166	U1081	G1016	C796	U871	C796
	C1675		G1487		C1403		C1166	U1082		C797	A872	C797
	A1676				U1404	G1260	G1171	U1083	A1021	G798	G873	G798
			G1491		U1405	G1264	A1174	A1084	G1022	G799	G874	G799
	G1687		C1492		A1406	A1265	U1175	A1085	U1023	G801	G875	A800
	U1688		C1493		C1407	G1266	A1176	A1086	G1024		C876	G801
	A1689		A1494		C1408	U1267	G1176	A1088	G1025		U877	
	A1690		A1495		C1409	U1268	A1177	G1089	U1026	G805	A878	G805
	C1691		A1496		G1410	A1269	C1178	U1090	A1027	C806	G879	C806
	U1692		C1504		C1411			G1093	A1028	G880	G881	U807
	U1693					C1270				C955		

C	A2823	C2742	A2654	A2589	G2516	C2442	G2370	C2292	A2208	C2136	C2055	C1974	A1889
C	C2824	C2743	G2661	A2590	C2517	C2443	G2371	C2293	U2218	C2139	G2056	C1979	A1890
C	C2825	G2744	A2662	C2591	A2518	G2444	G2371	C2294	G2219	G2140	A2057	G1980	G1897
C	C2829	A2748	G2663	C2593	U2519	G2445	G2375	A2298	G2221	G2141	A2058	A1896	U1898
C	C2830	A2749	G2664	C2594	G2524	G2446	G2376	G2299	G2222	G2142	A2059	G1987	U1899
	G2834	A2750	G2672	C2595	G2525	G2447	A2377	G2302	G2223	C2143	A2060	A1900	A1900
	G2839	G2751	G2673	C2596	G2526	A2448	A2378	G2303	G2224	U2144	G2061	G1990	G1906
	C2840	A2753	G2674	C2597	U2527	U2449	G2383	G2304	A2225	C2145	G2062	U1991	G1907
	C2841	A2755	A2675	A2598	U2528		G2384	G2305	C2229	C2146	G2069	G1992	G1908
	C2842	A2756	G2676		G2529		C2385	A2306	G2230	G2147	G2070	G1993	G1909
	C2843	C2678	C2677	G2601	G2530		C2388	G2307	G2231	G2148	A2071	U1994	G1910
	G2848	A2679	A2678	G2602	A2533	U2462	A2389	G2308	U2332	U2150	U2075	U1995	U1911
	U2849	G2679	G2676	G2607	G2535	C2463	U2390	G2309	U2233	G2151	U2076	U1996	A1912
	A2850	G2680	G2677	G2608	G2536	C2467	G2391	C2314	G2235	G2152	A2077	G1997	A1913
	C2853	G2685	G2686	U2609	U2537	G2468	A2392	C2314	G2236	G2153	C2078	G1998	C1914
	G2854	U2687	G2686	C2610	C2538	A2469	A2393	G2315	G2237	G2155	U2079	C1999	U1915
	G2855	U2688	U2687	U2611	U2542	G2470	G2396	G2319	G2238	G2156	U2086	C2006	A1916
	G2856	U2689	U2689	U2612	G2543	C2471	G2397	A2320	G2239	G2157	G2087	G2007	U1937
	G2857	C2691	G2691	U2613	G2544	U2472	G2398	G2321	U2243	A2158	G2088	C2008	A1938
	G2858	C2692	C2692	G2545	U2546	C2473	G2399	A2322	U2244	G2160	G2090	C2009	A1919
	G2859	C2693	C2693	U2547	U2547	C2474	G2400	G2323	U2245	G2161	U2091	G2010	G1921
	G2860	G2694	C2694	G2548	U2548	C2475	U2401	G2324	G2246	G2162	U2092	U2011	G1922
	G2861	G2695	G2695	G2549	U2549	A2476	C2402	G2325	A2247	G2165	U2096	A2013	U1923
	G2862	G2696	G2696	G2550	C2551	G2479	C2403	G2326	G2251	G2166	U2097	C2006	A1927
	G2863	G2697	U2697	G2551	G2552	C2480	C2404	C2327	G2252	U2167	U2099	U2016	A1928
	G2864	U2698	C2699	U2553	U2554	G2481	U2405	A2328	G2253	G2168	G2100	U2017	G1929
	G2865	C2699	C2699	U2555	G2557	C2482	U2406	A2329	C2254	A2169	G2103	A2019	G1930
	G2866	U2700	C2699	U2556	G2557	C2483	U2407	G2330	C2254	G2170	U2102	A2020	U1931
	G2867	G2701	C2699	U2557	G2557	C2484	G2408	G2331	C2258	U2171	G2104	G2023	A1932
	G2868	G2702	C2699	U2558	G2557	C2485	G2409	G2332	C2259	U2172	G2105	G2024	G1933
	G2869	G2703	C2699	U2559	G2557	C2486	U2410	G2333	C2260	A2173	G2106	G2025	G1934
	G2870	G2704	C2699	U2560	G2557	C2487	A2412	A2335	C2261	C2174	G2111	G2026	G1935
	G2871	A2705	C2699	U2561	G2557	C2488	G2413	A2336	U2262	C2175	G2112	G2027	A1936
	G2872	G2706	C2699	U2562	G2557	C2489	G2414	G2337	U2263	C2176	G2113	U2028	A1937
	G2873	G2707	C2699	U2563	G2557	C2490	G2415	G2338	C2264	C2177	G2114	G2029	A1938
	G2874	G2708	C2699	U2564	G2557	C2491	U2416	G2339	C2265	C2178	G2115	A2030	U1939
	G2875	G2709	C2699	U2565	G2557	C2492	U2417	G2340	C2266	U2179	G2116	U1940	U1940
	G2876	A2710	C2699	U2566	G2557	C2493	U2418	G2341	A2267	A2117	G2117	A2031	G1941
	A2883	A2711	C2699	U2567	G2557	C2494	C2420	U2344	A2268	C2181	U2118	G2032	C1942
	U2884	A2712	C2699	U2568	G2557	C2495	U2423	C2347	C2271	C2182	U2119	A2033	U1943
	C2885	A2713	C2699	U2569	G2557	C2496	C2424	C2348	U2272	C2183	G2121	C2039	A1952
	U2886	G2722	C2699	U2570	G2557	C2497	A2425	C2349	A2273	C2184	U2122	C2040	G1955
	C2887	G2723	C2699	U2571	G2557	C2498	A2426	C2350	A2274	C2185	G2123	U2041	U1956
	C2888	G2724	C2699	U2572	G2557	C2499	A2427	C2351	U2275	C2186	G2124	A2042	U1957
	C2889	U2726	C2699	U2573	G2557	C2500	U2428	C2352	U2276	C2187	G2125	C2043	U1963
	C2890	G2727	C2699	U2574	G2557	C2501	U2429	C2353	U2277	C2188	A2126	C2044	G1964
	C2891	G2728	C2699	U2575	G2557	C2502	A2430	C2354	U2278	U2189	G2127	G2045	U1965
	C2892	G2729	C2699	U2576	G2557	C2503	U2431	C2355	U2279	G2190	C2128	C2046	G1967
	C2893	G2730	C2699	U2577	G2557	C2504	U2432	C2356	U2280	G2191	C2129	G2047	U1968
	C2894	G2731	C2699	U2578	G2557	C2505	U2433	C2357	U2281	G2192	U2130	U2048	A1969
	C2895	G2732	C2699	U2579	G2557	C2506	U2434	C2358	U2282	G2193	G2131	G2049	A1970
	C2896	G2733	C2699	U2580	G2557	C2507	U2435	C2359	U2283	G2194	U2132	A2051	A1971
	U2897	G2734	C2699	U2581	G2557	C2508	U2436	C2360	U2284	U2197	G2133	A2051	A1972
	G2898	G2735	C2699	U2582	G2557	C2509	U2437	C2361	U2285	A2198	A2134	G2051	G1973
	A2899	G2736	C2699	U2583	G2557	C2510	U2438	C2362	U2286	G2206	A2135		
	C2899	G2737	C2699	U2584	G2557	C2511	U2439	C2363	A2287				
	C2900	G2738	C2699	U2585	G2557	C2512	U2440	C2364	A2288				
	C2901	G2739	C2699	U2586	G2557	C2513	C2441	C2365					
	C2902	G2740	C2699	U2587	G2557	C2514							
	C2903	G2741	C2699	U2588	G2557	C2515							

• Molecule 1: 23S Ribosomal RNA

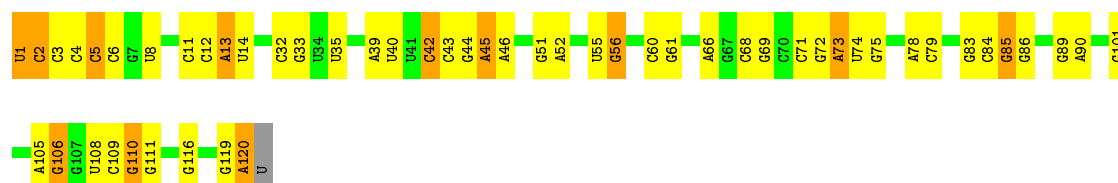


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A2168	C2107	C2025	A1937	C1836	U1757	G1852	G1555	G1466	G1385	G1298	G1216	U1130
A2169	C2108	C2026	A1938	C1837	U1758	G1853	G1556	G1467	G1386	G1299	G1217	G1131
	U2109	G2027	G1838	G1839	G1763	G1854	C1557	G1470	G1387	G1300	G1218	A1132
U2172	C2110	A2030	U1943	A1847	G1764	G1855	A1558	A1471	G1388	A1301	G1219	U1133
A2173	C2111	A2031	U1943	A1848	G1765	G1856	A1559	A1472	G1389	G1308	A1220	C1135
C2174	U2112	A2032	U1951	A1849	G1766	C1857	C1564	G1473	U1390	A1308	G1221	A1136
A2175	G2113	G2032	A1952	A1853	U1777	U1859	C1565	G1479	U1396	G1309	G1222	G1137
A2176	A2114	A2033	A1953	A1854	C1774	G1860	A1566	U1480	G1401	G1312	G1223	G1138
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	A2158	U2096	U1926	U1926	U1828	G1748	C1641	C1541	A1461	G1378	G1212	
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G2244	C2160	U2099	A1928	A1928	C1830	G1752	C1643	C1543				
U2245	C2161	A2020	G1929	G1929	G1831	C1753	C1644	C1544				
G2246	G2162	C2021	G1930	G1930	U1832	C1754	C1645	C1545				
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							C1647	C1547				



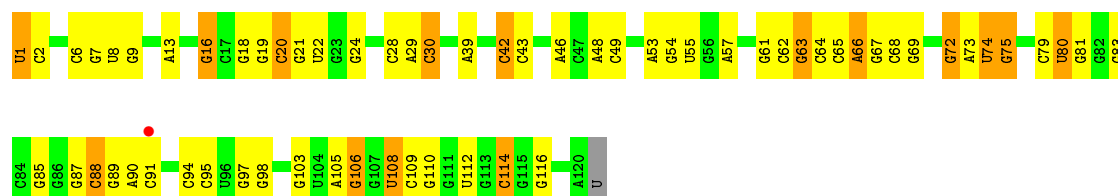
• Molecule 2: 5S Ribosomal RNA

Chain 1B: 55% 34% 10%

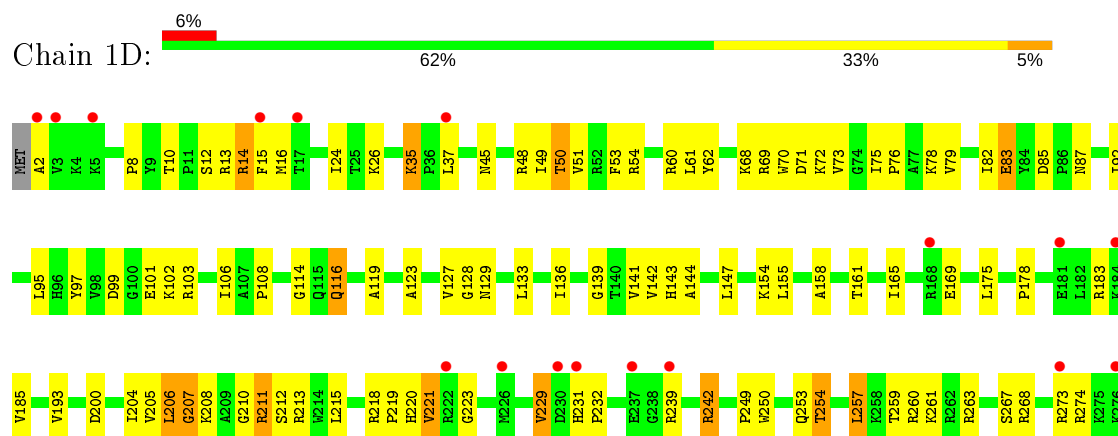


• Molecule 2: 5S Ribosomal RNA

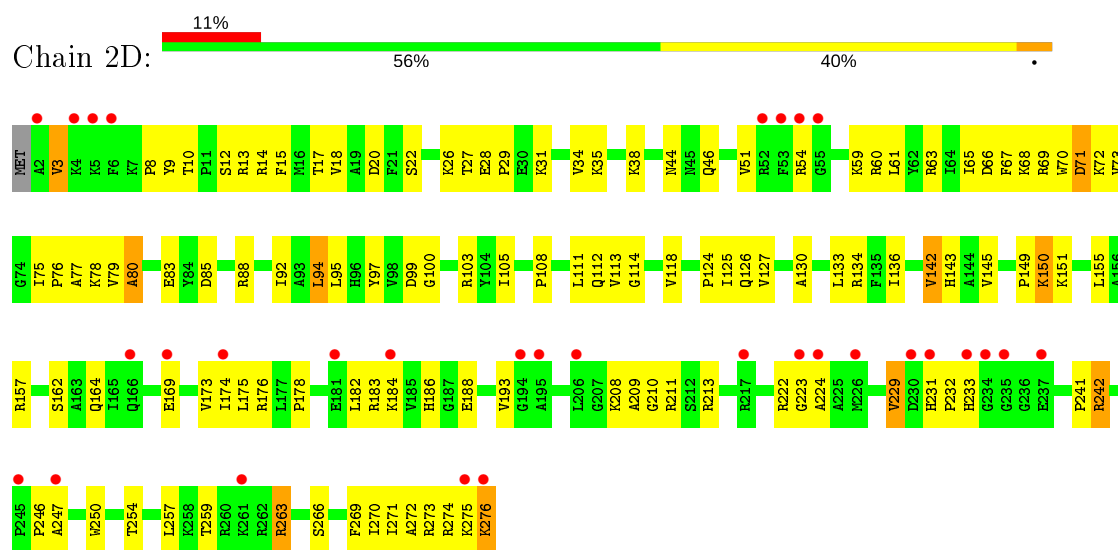
Chain 2B: 47% 40% 12%



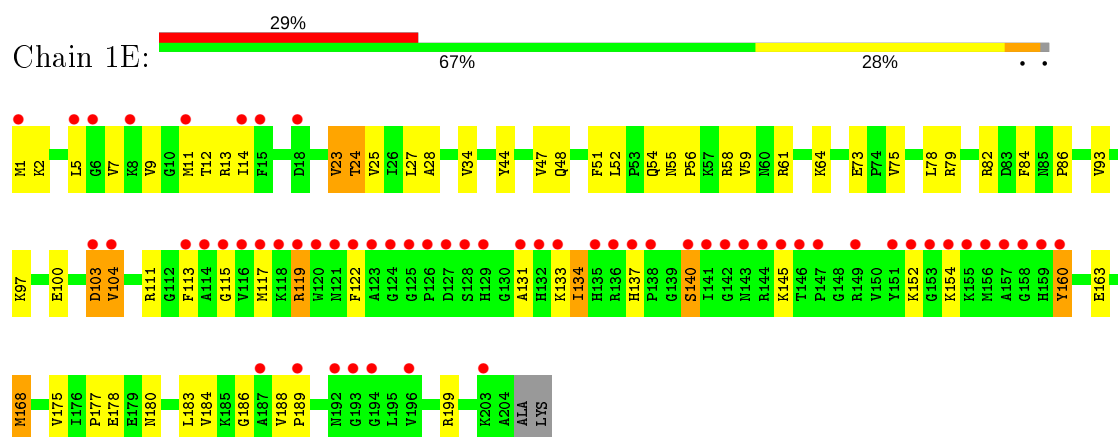
- Molecule 3: 50S ribosomal protein L2



- Molecule 3: 50S ribosomal protein L2

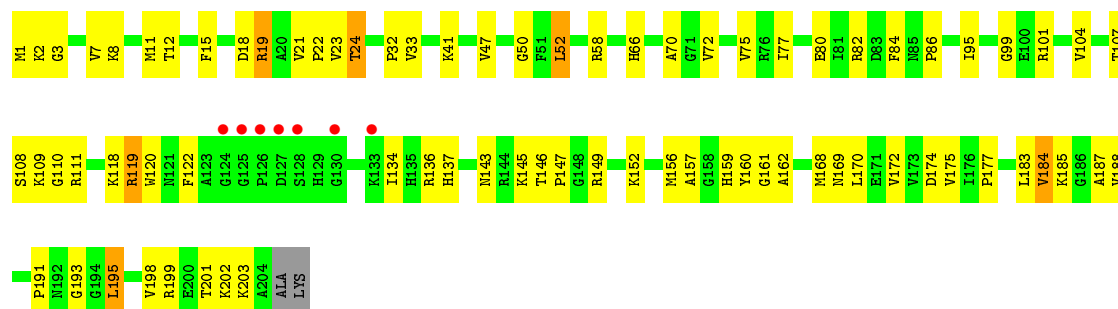


- Molecule 4: 50S ribosomal protein L3

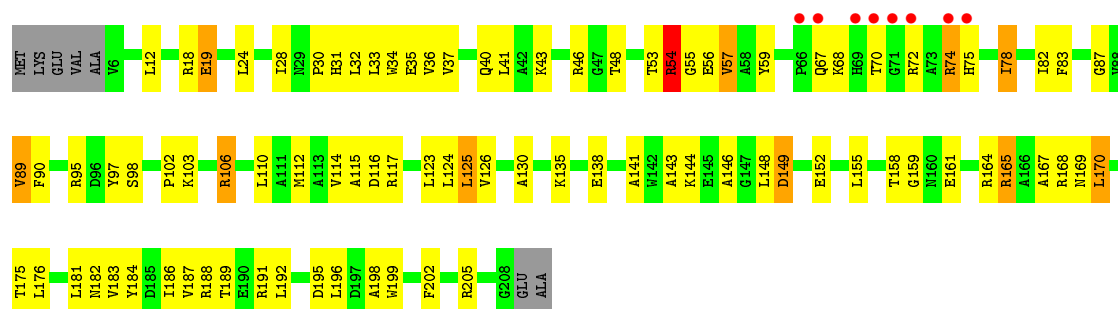


- Molecule 4: 50S ribosomal protein L3

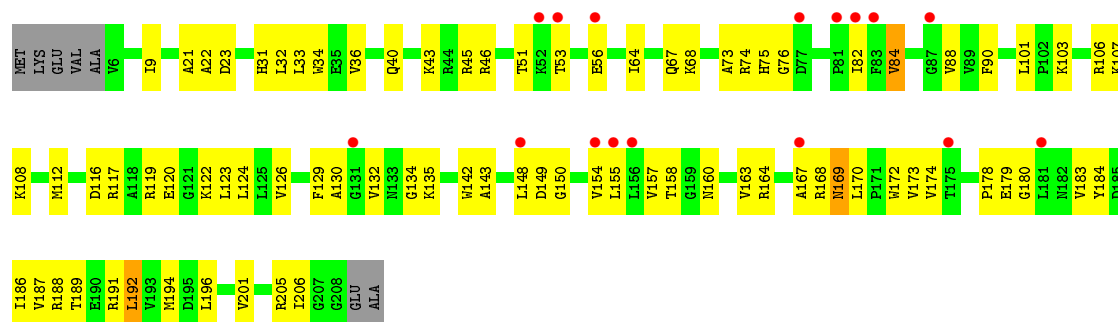




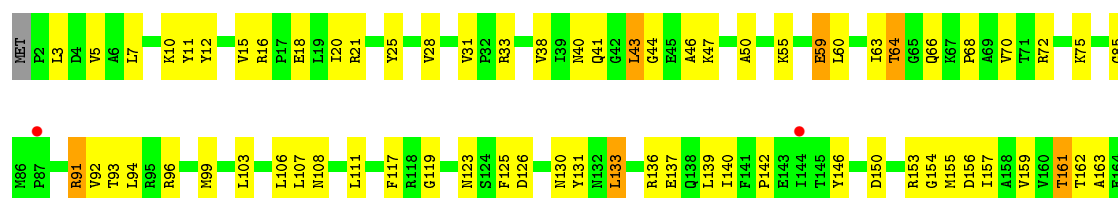
• Molecule 5: 50S ribosomal protein L4



• Molecule 5: 50S ribosomal protein L4

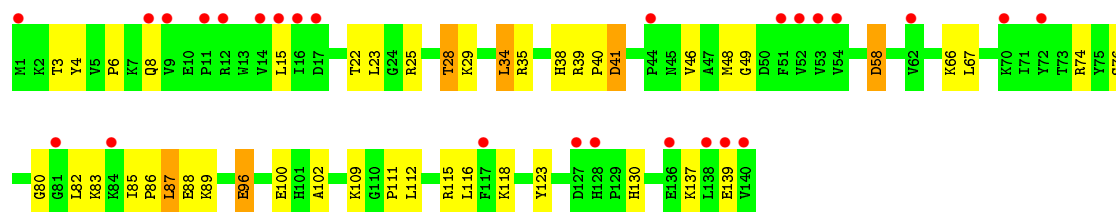


• Molecule 6: 50S ribosomal protein L5

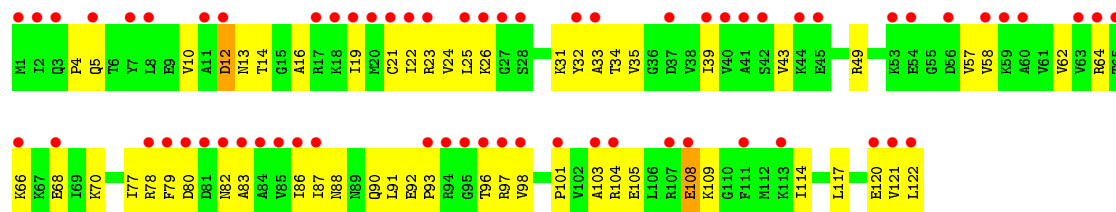




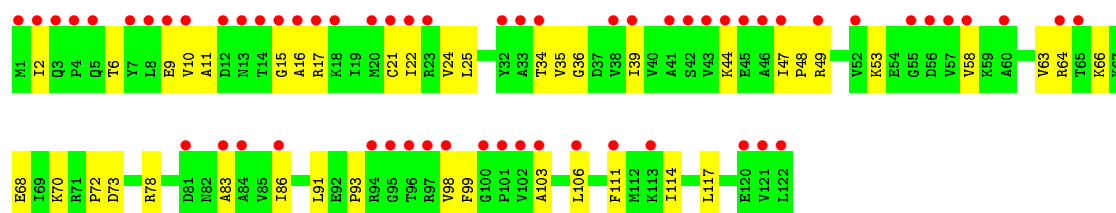
• Molecule 8: 50S ribosomal protein L13



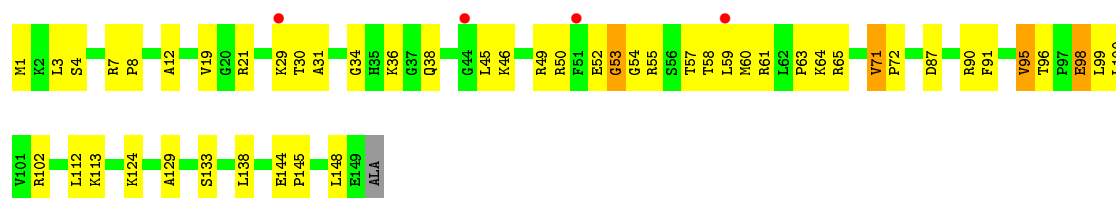
• Molecule 9: 50S ribosomal protein L14



• Molecule 9: 50S ribosomal protein L14

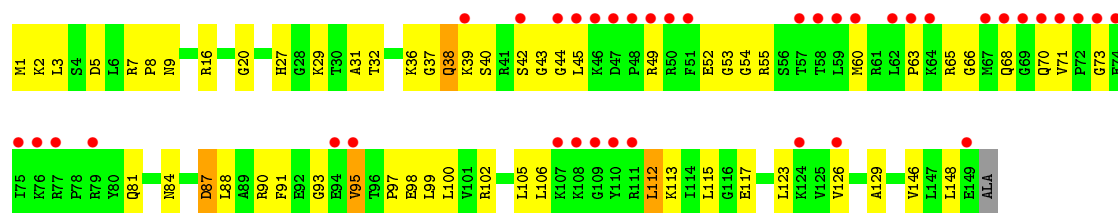


• Molecule 10: 50S ribosomal protein L15



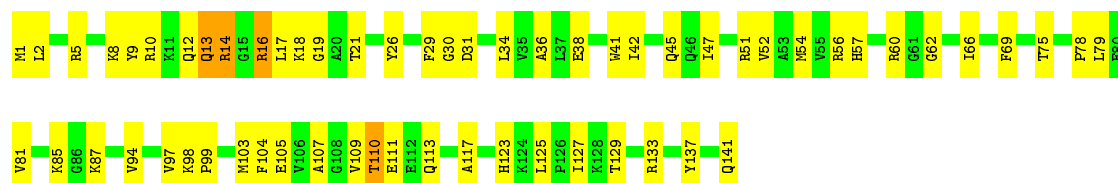
• Molecule 10: 50S ribosomal protein L15





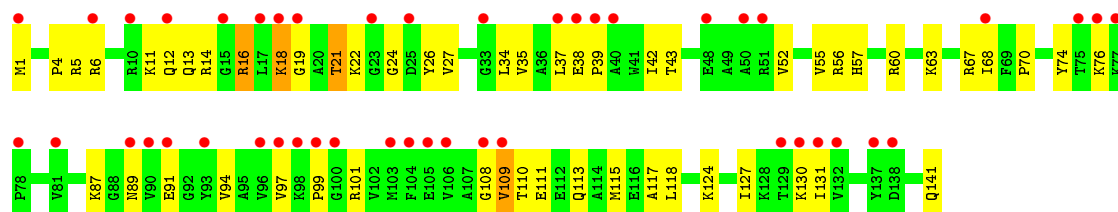
• Molecule 11: 50S ribosomal protein L16

Chain 1Q: 57% 40%



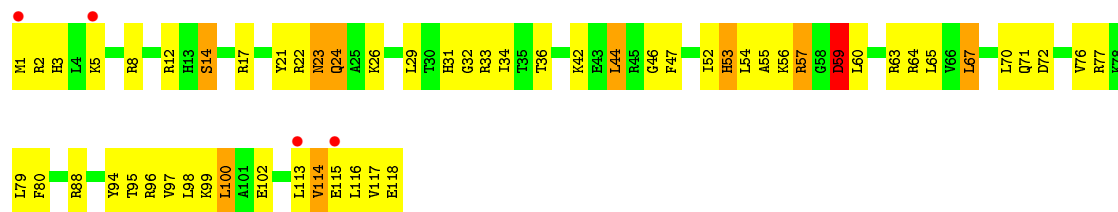
• Molecule 11: 50S ribosomal protein L16

Chain 2Q: 32% 62% 35%



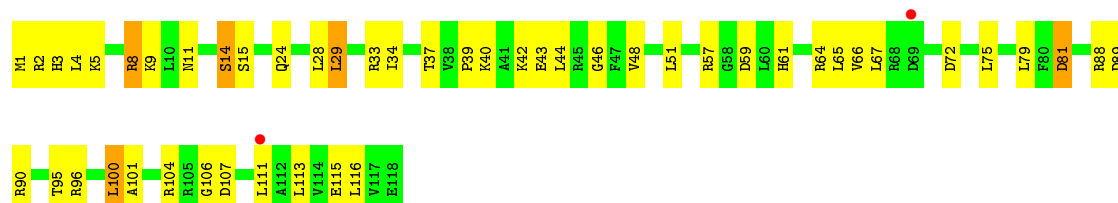
• Molecule 12: 50S ribosomal protein L17

Chain 1R: 3% 52% 40% 8%

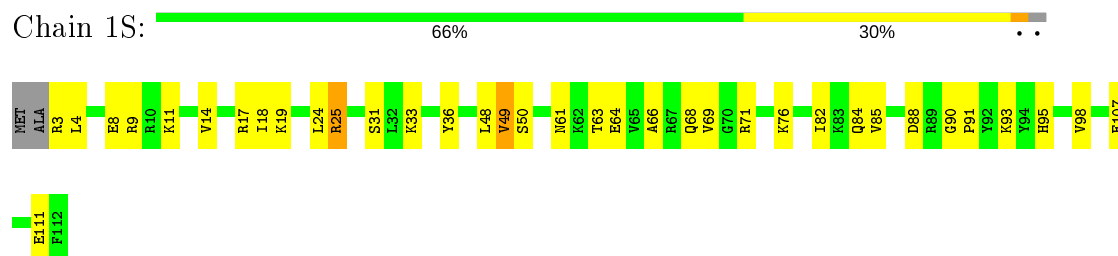


• Molecule 12: 50S ribosomal protein L17

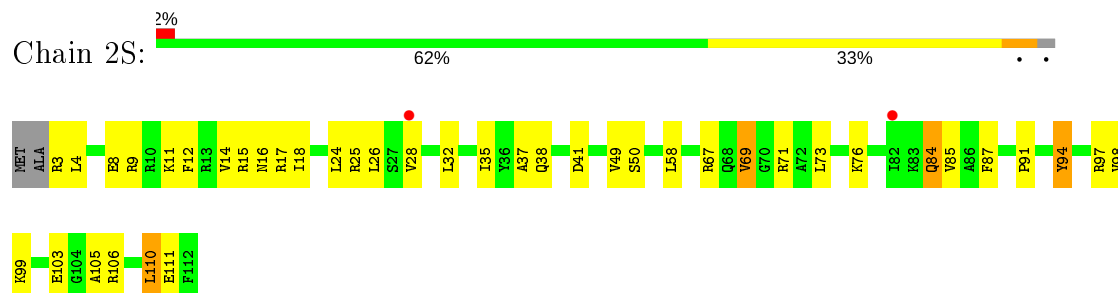
Chain 2R: 2% 58% 37%



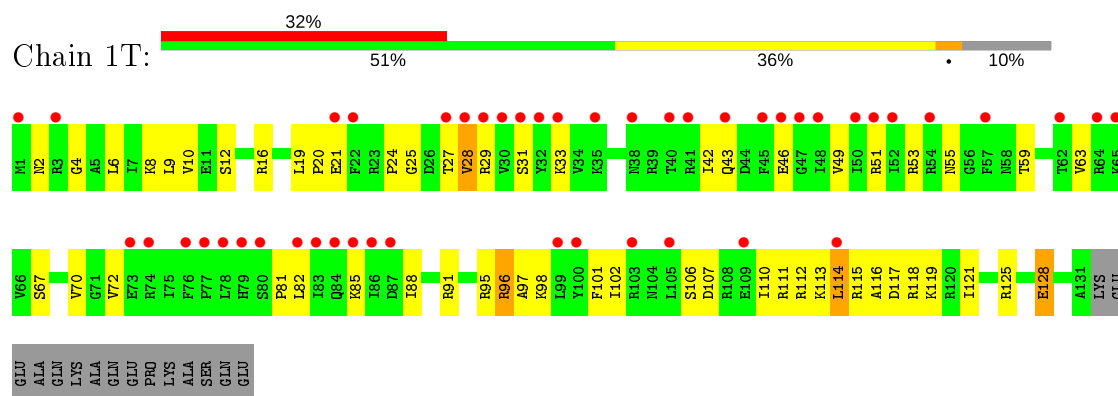
- Molecule 13: 50S ribosomal protein L18



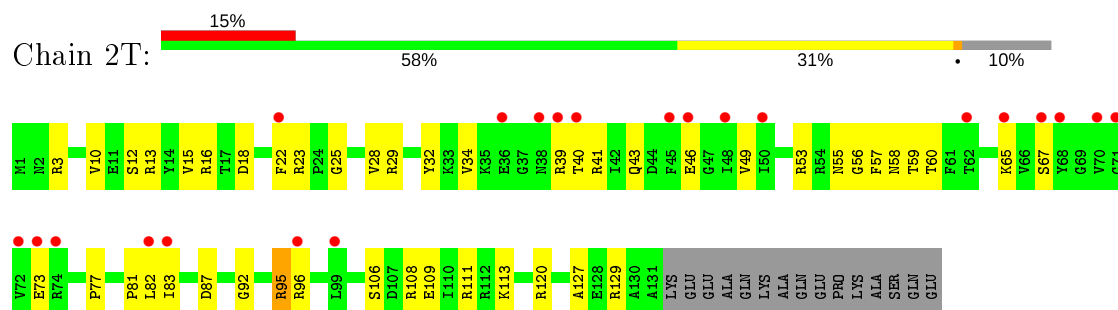
- Molecule 13: 50S ribosomal protein L18



- Molecule 14: 50S ribosomal protein L19

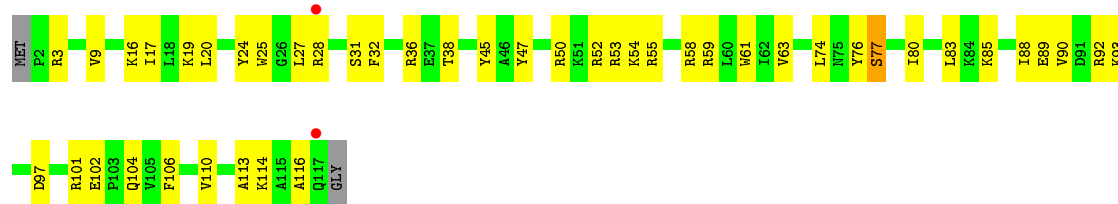


- Molecule 14: 50S ribosomal protein L19

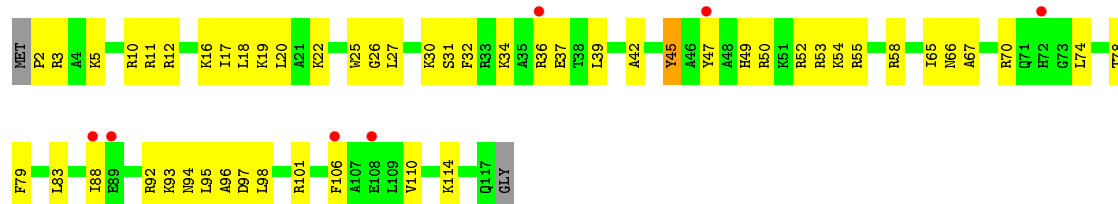


- Molecule 15: 50S ribosomal protein L20

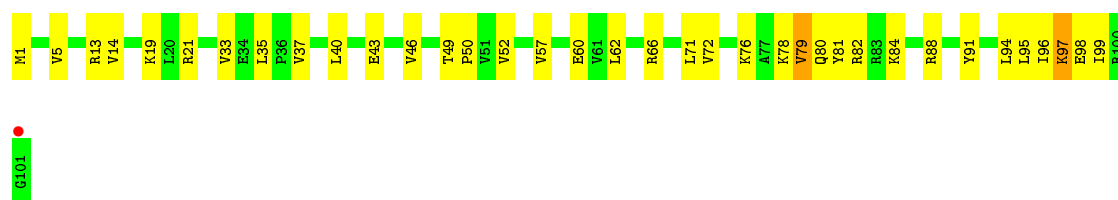




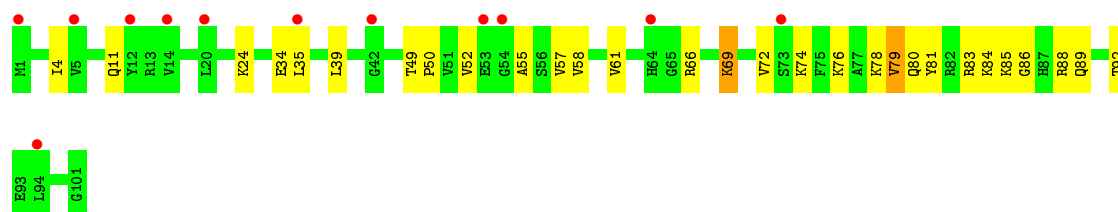
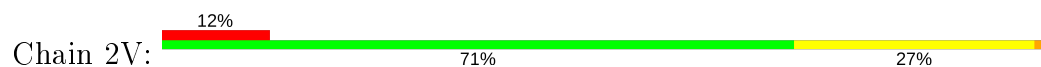
- Molecule 15: 50S ribosomal protein L20



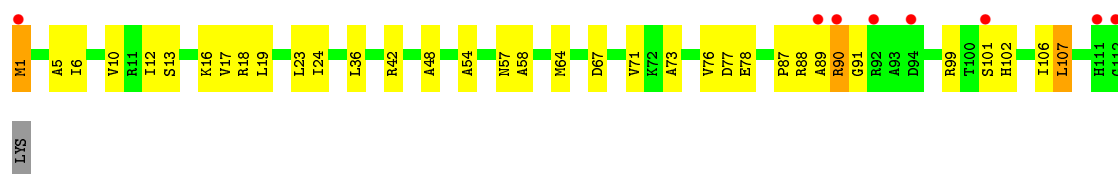
- Molecule 16: 50S ribosomal protein L21



- Molecule 16: 50S ribosomal protein L21

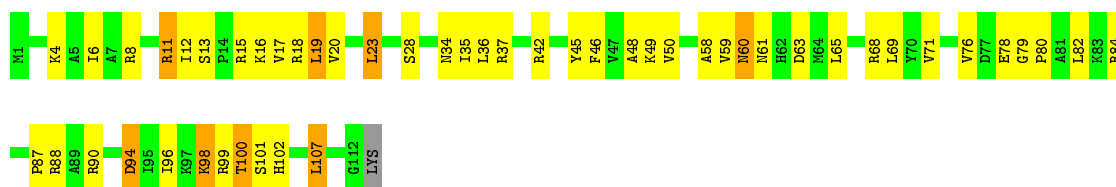


- Molecule 17: 50S ribosomal protein L22



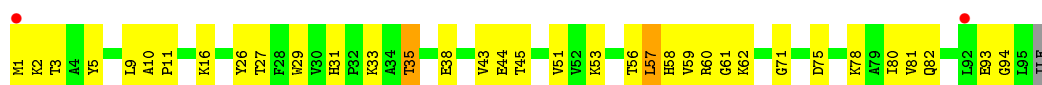
- Molecule 17: 50S ribosomal protein L22

Chain 2W:  55% 37% 7%



- Molecule 18: 50S ribosomal protein L23

Chain 1X:  2% 63% 34%



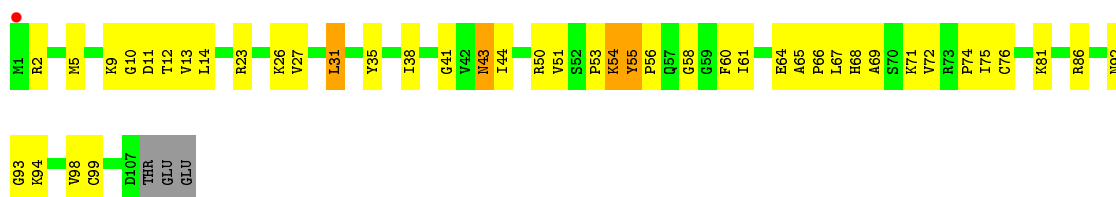
- Molecule 18: 50S ribosomal protein L23

Chain 2X:  64% 35%



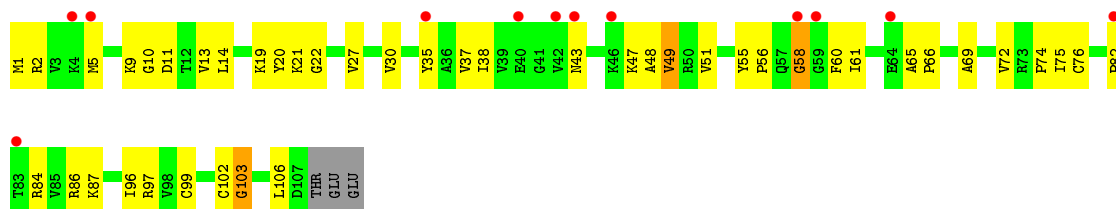
- Molecule 19: 50S ribosomal protein L24

Chain 1Y:  % 57% 36%



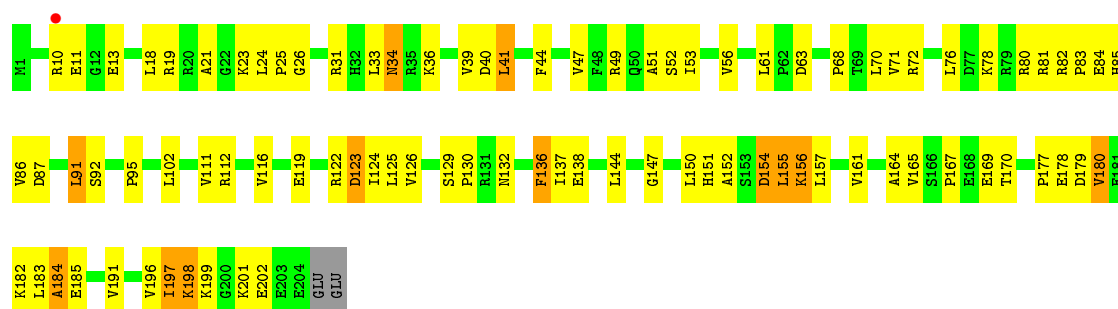
- Molecule 19: 50S ribosomal protein L24

Chain 2Y:  11% 57% 37%



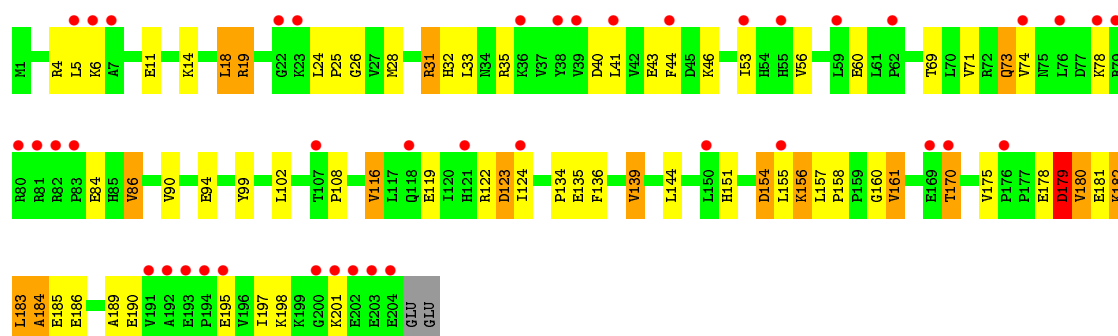
- Molecule 20: 50S ribosomal protein L25

Chain 1Z:  56% 37% 6%



- Molecule 20: 50S ribosomal protein L25

Chain 2Z: 20% 65% 26% 8%



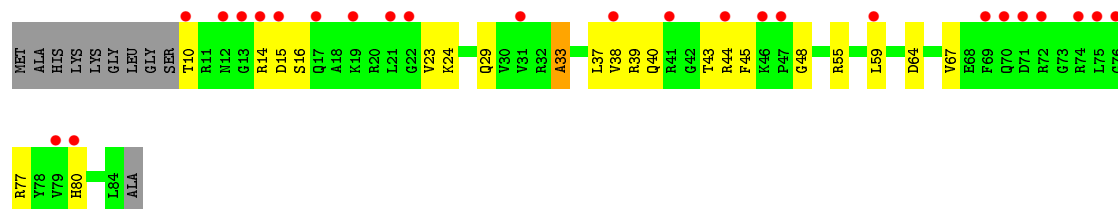
- Molecule 21: 50S ribosomal protein L27

Chain 10: % 52% 36% 12%



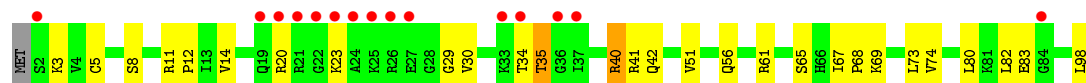
- Molecule 21: 50S ribosomal protein L27

Chain 20: 29% 62% 25% 12%

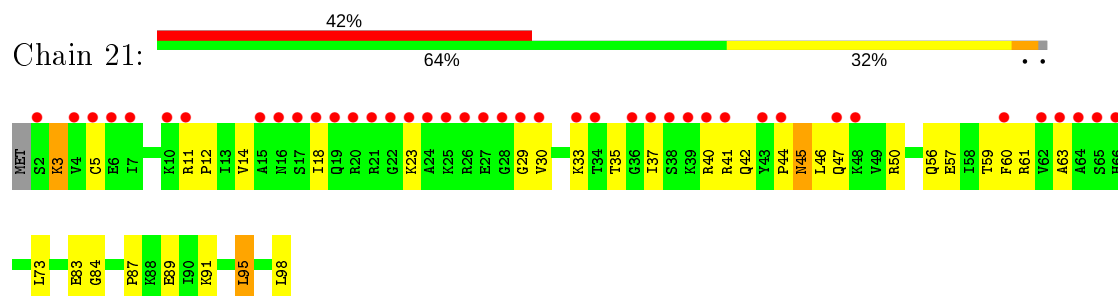


- Molecule 22: 50S ribosomal protein L28

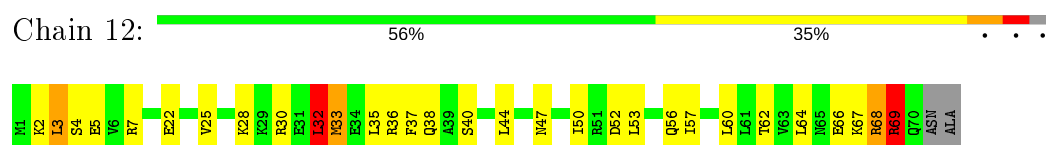
Chain 11: 15% 70% 27%



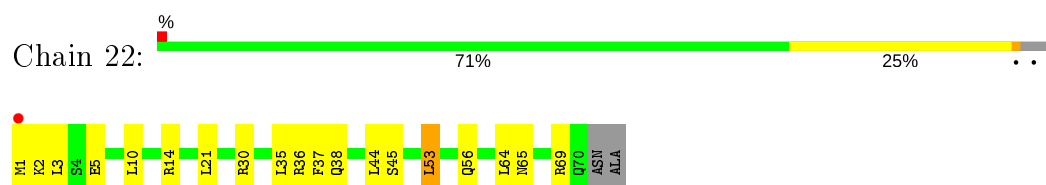
- Molecule 22: 50S ribosomal protein L28



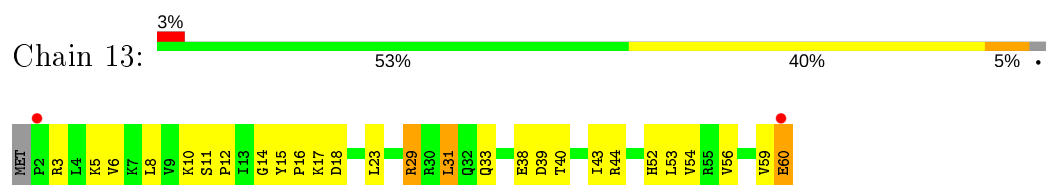
- Molecule 23: 50S ribosomal protein L29



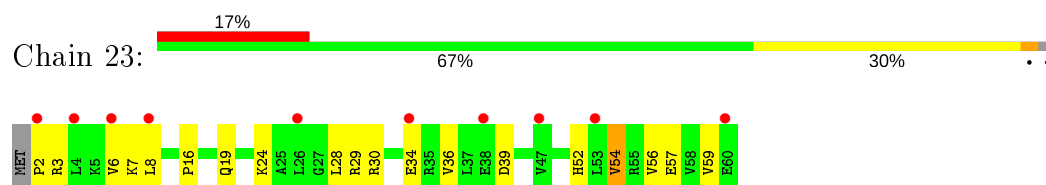
- Molecule 23: 50S ribosomal protein L29



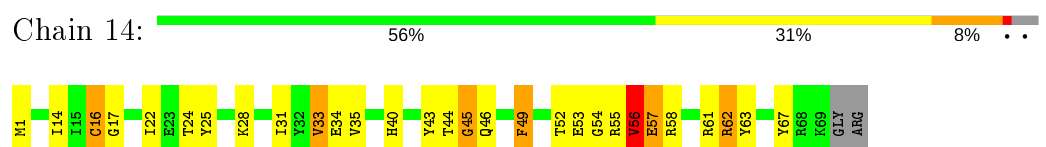
- Molecule 24: 50S ribosomal protein L30



- Molecule 24: 50S ribosomal protein L30

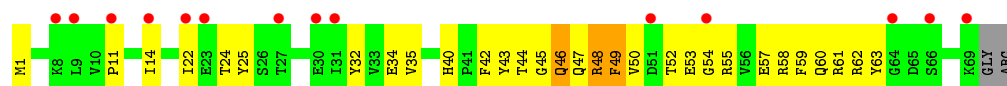


- Molecule 25: 50S ribosomal protein L31



- Molecule 25: 50S ribosomal protein L31





- Molecule 26: 50S ribosomal protein L32



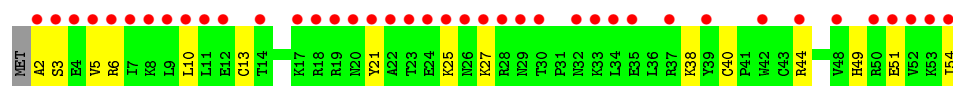
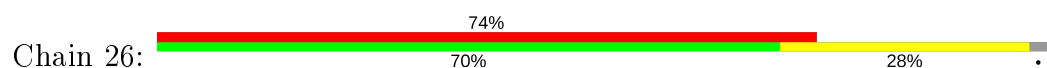
- Molecule 26: 50S ribosomal protein L32



- Molecule 27: 50S ribosomal protein L33



- Molecule 27: 50S ribosomal protein L33



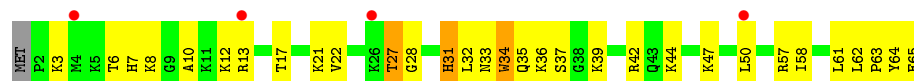
- Molecule 28: 50S ribosomal protein L34



- Molecule 28: 50S ribosomal protein L34



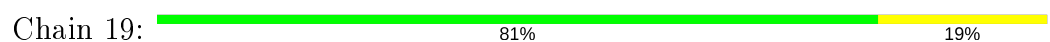
- Molecule 29: 50S ribosomal protein L35



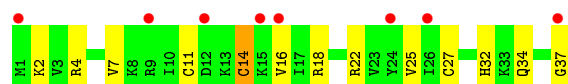
- Molecule 29: 50S ribosomal protein L35



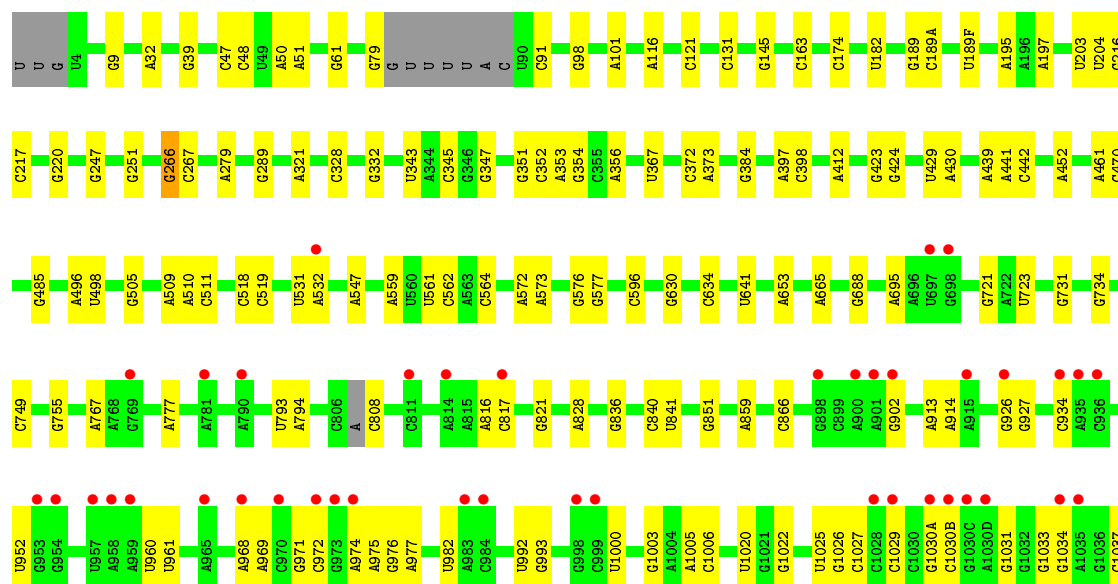
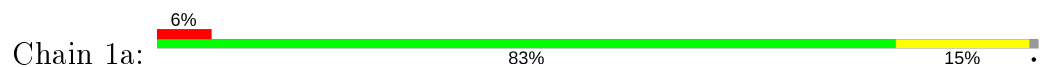
- Molecule 30: 50S ribosomal protein L36

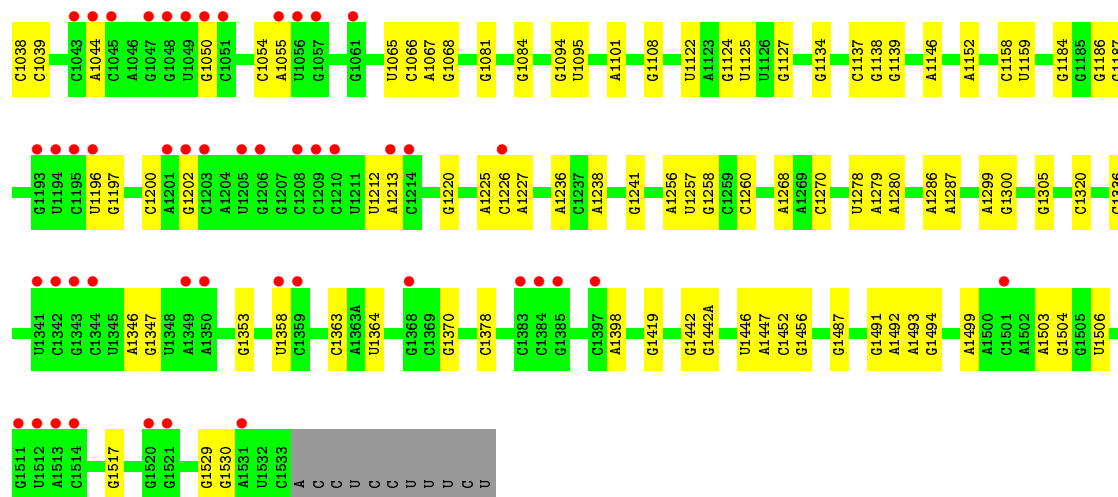


- Molecule 30: 50S ribosomal protein L36

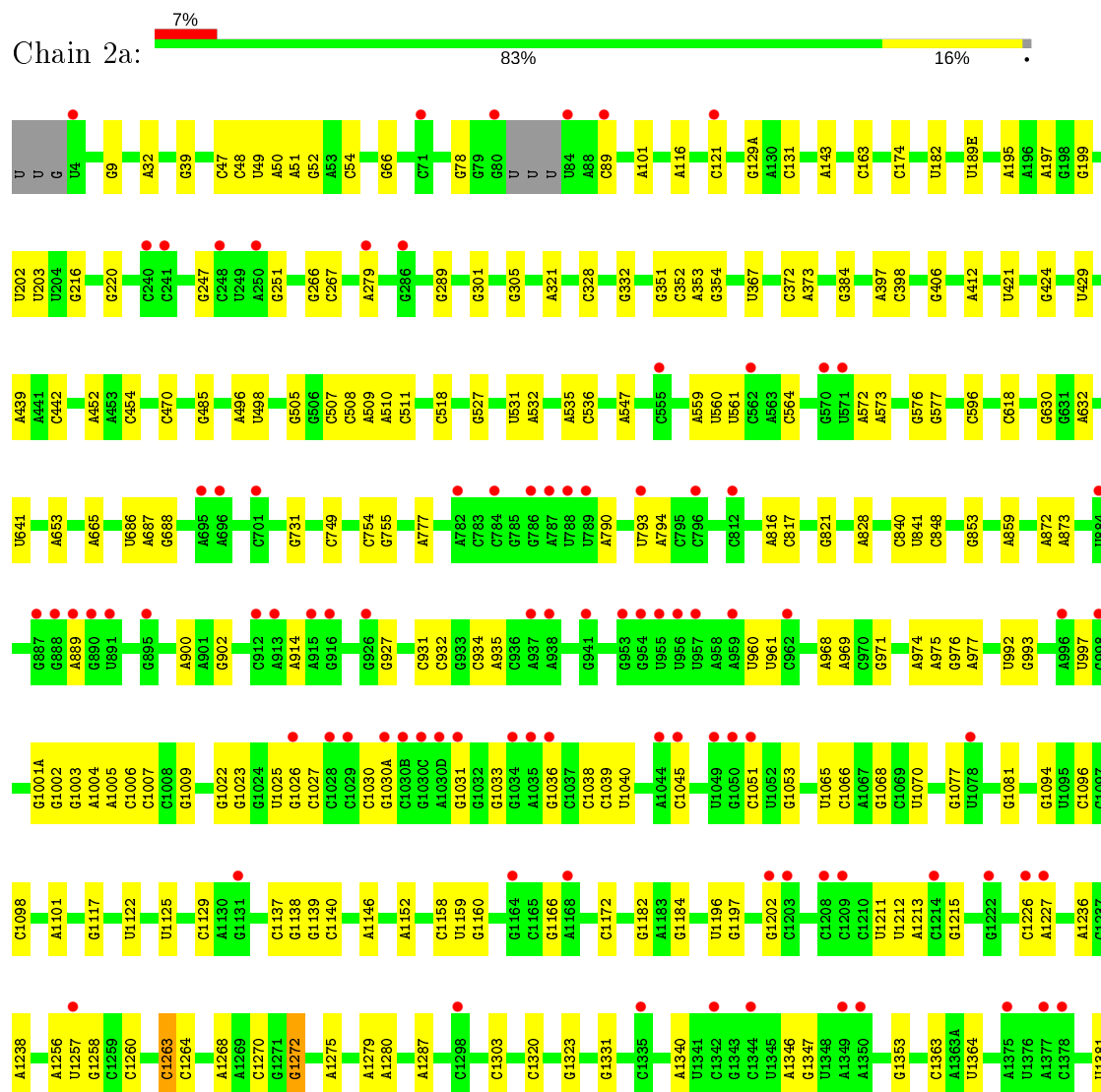


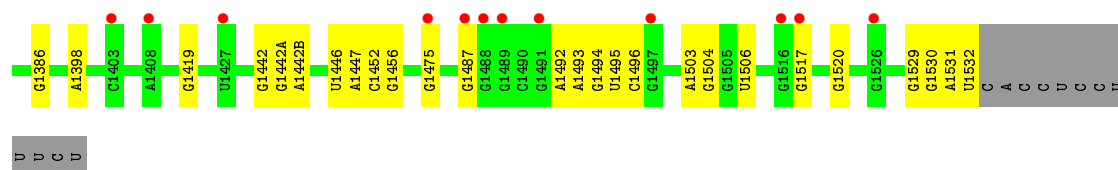
- Molecule 31: 16S Ribosomal RNA



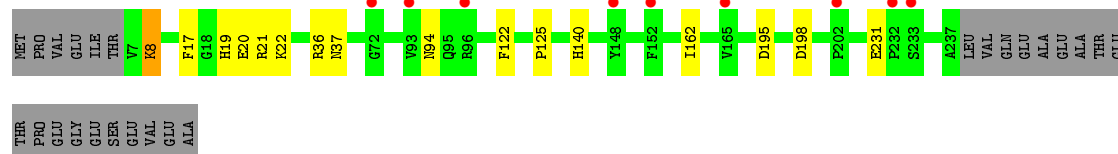
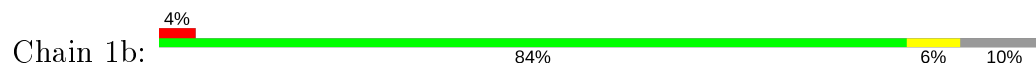


• Molecule 31: 16S Ribosomal RNA

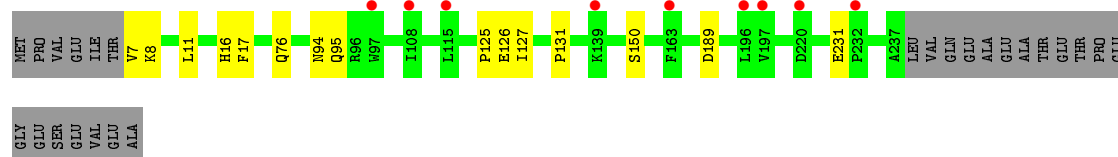
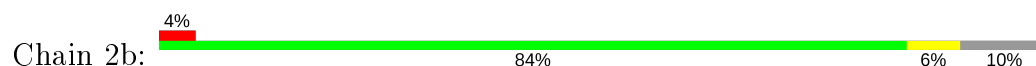




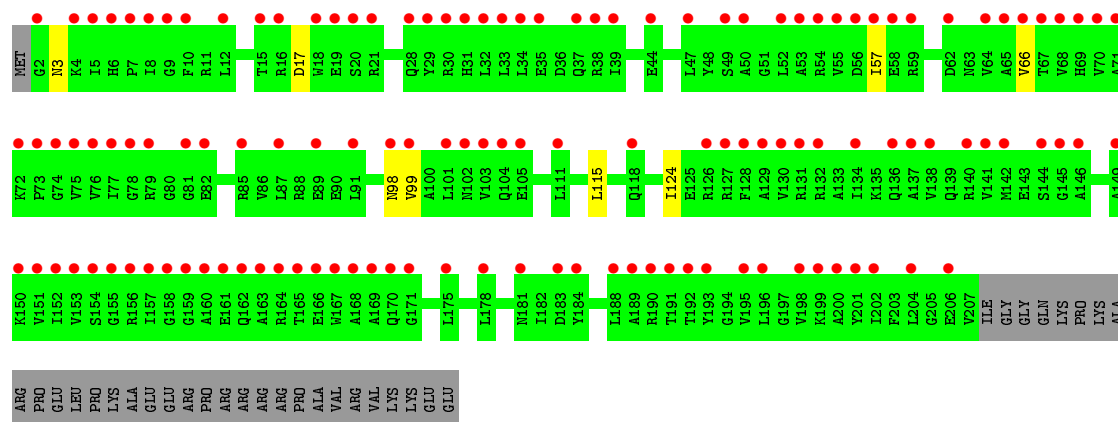
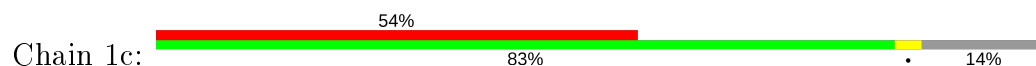
• Molecule 32: 30S ribosomal protein S2



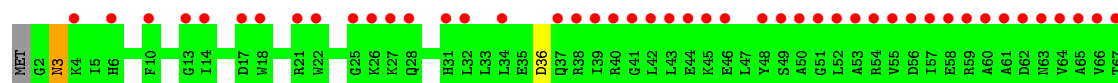
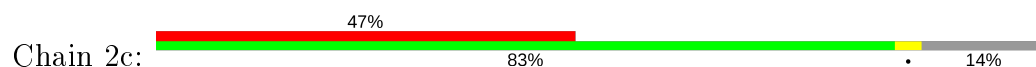
• Molecule 32: 30S ribosomal protein S2

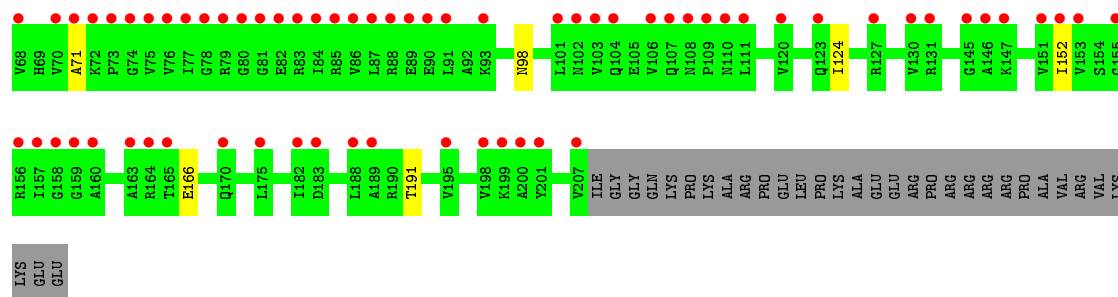


• Molecule 33: 30S ribosomal protein S3

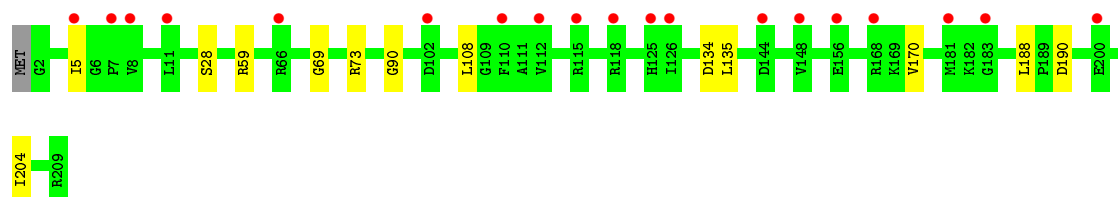


• Molecule 33: 30S ribosomal protein S3

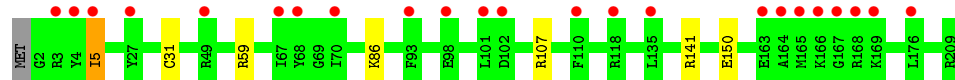




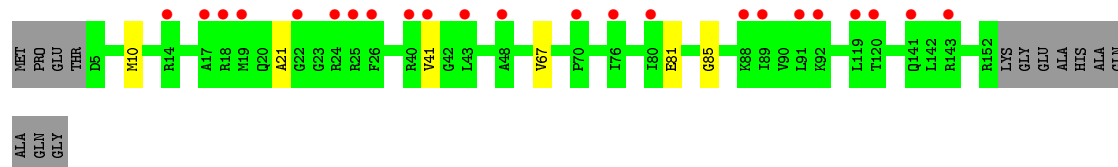
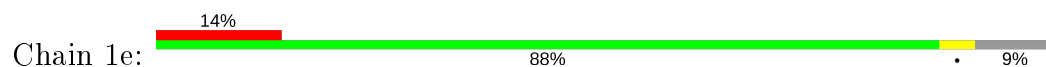
- Molecule 34: 30S ribosomal protein S4



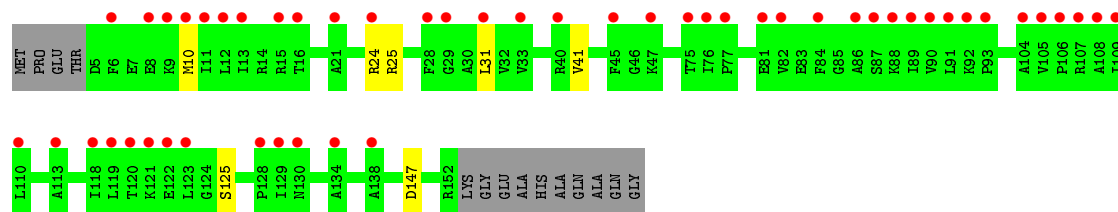
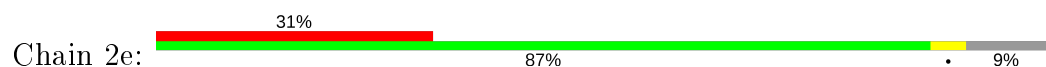
- Molecule 34: 30S ribosomal protein S4



- Molecule 35: 30S ribosomal protein S5



- Molecule 35: 30S ribosomal protein S5



- Molecule 36: 30S ribosomal protein S6

Chain 1f:  98% ..



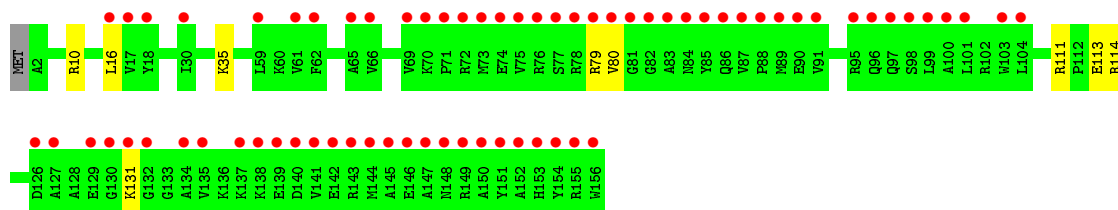
- Molecule 36: 30S ribosomal protein S6

Chain 2f:  95% ..

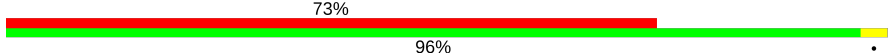


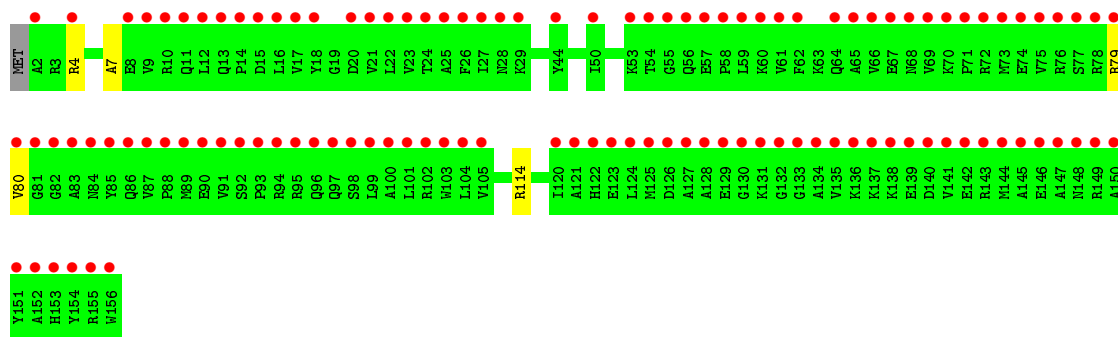
- Molecule 37: 30S ribosomal protein S7

Chain 1g:  44% 94% 6% .



- Molecule 37: 30S ribosomal protein S7

Chain 2g:  73% 96% ..



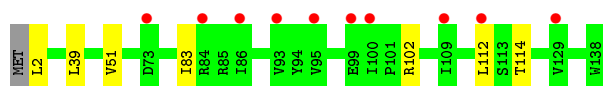
- Molecule 38: 30S ribosomal protein S8

Chain 1h:  4% 96% ..

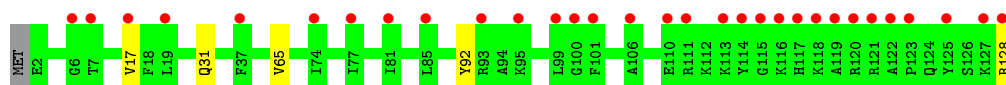


- Molecule 38: 30S ribosomal protein S8

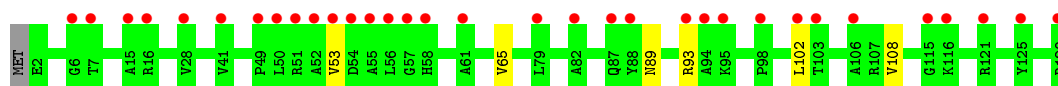
Chain 2h:  7% 94% 5% .



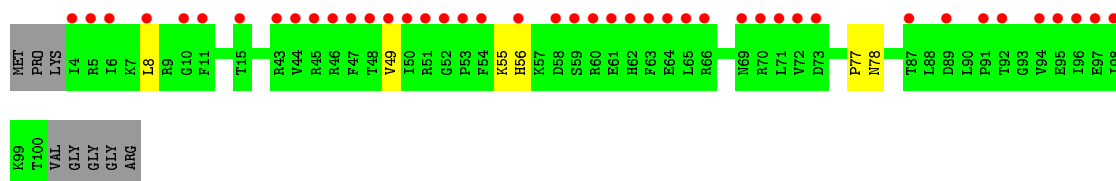
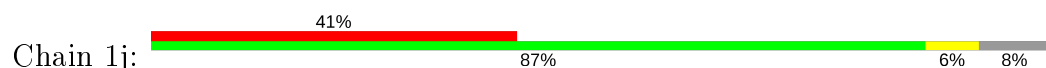
- Molecule 39: 30S ribosomal protein S9



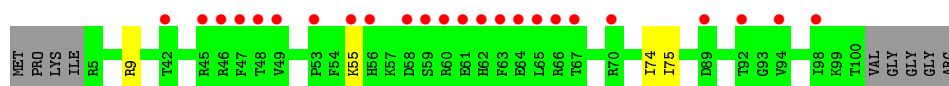
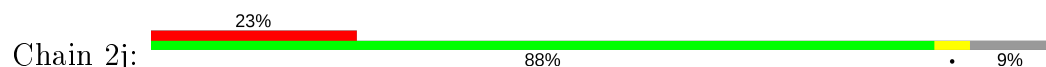
- Molecule 39: 30S ribosomal protein S9



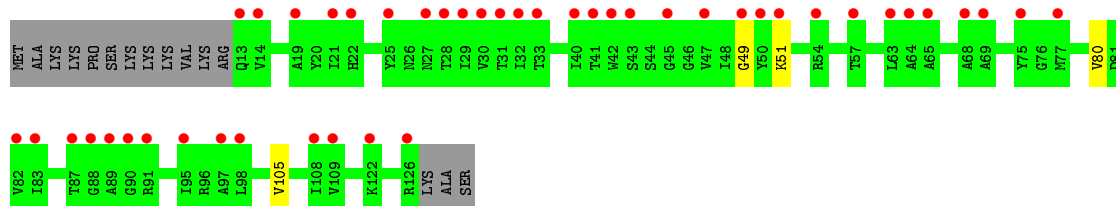
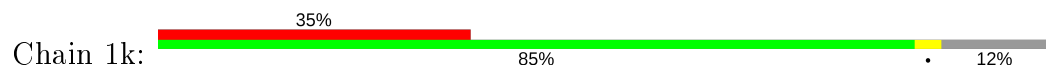
- Molecule 40: 30S ribosomal protein S10



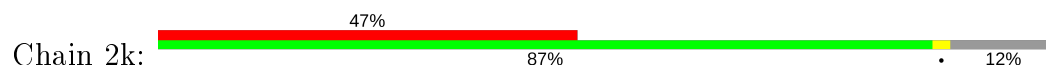
- Molecule 40: 30S ribosomal protein S10

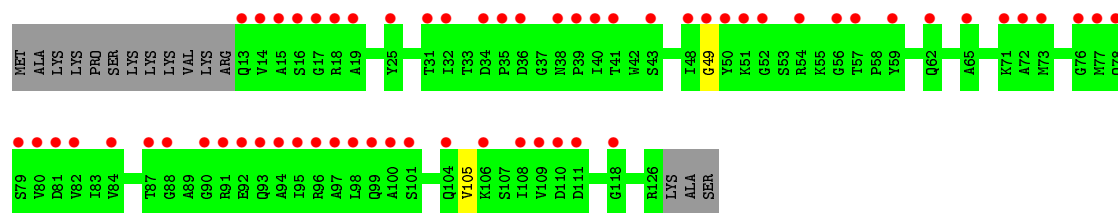


- Molecule 41: 30S ribosomal protein S11

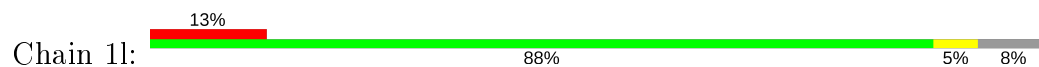


- Molecule 41: 30S ribosomal protein S11

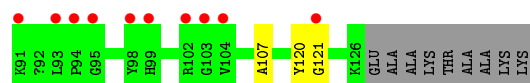
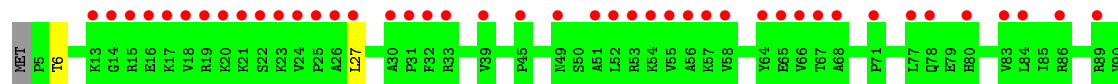
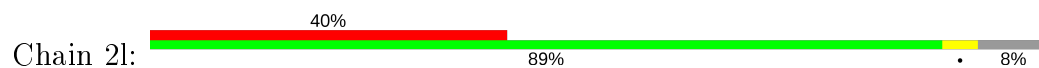




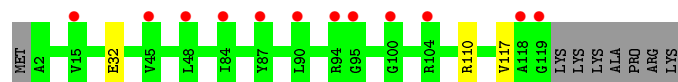
- Molecule 42: 30S ribosomal protein S12



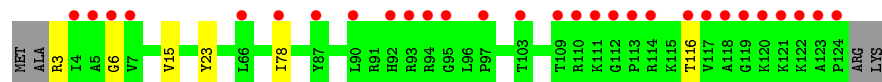
- Molecule 42: 30S ribosomal protein S12



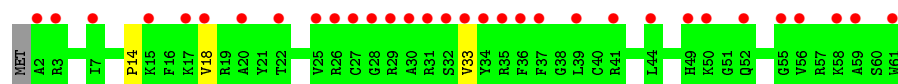
- Molecule 43: 30S ribosomal protein S13



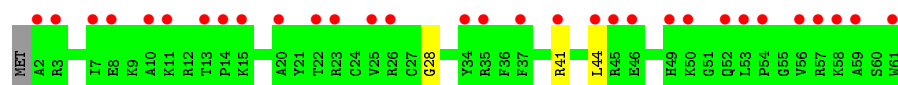
- Molecule 43: 30S ribosomal protein S13



- Molecule 44: 30S ribosomal protein S14 type Z



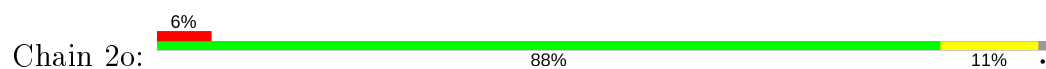
- Molecule 44: 30S ribosomal protein S14 type Z



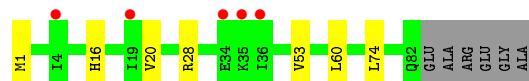
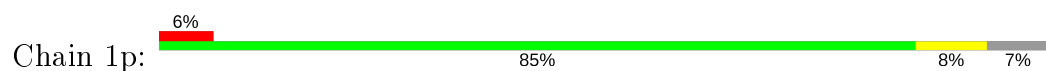
- Molecule 45: 30S ribosomal protein S15



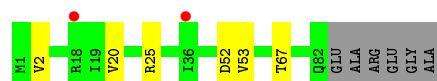
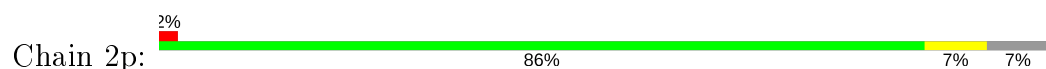
- Molecule 45: 30S ribosomal protein S15



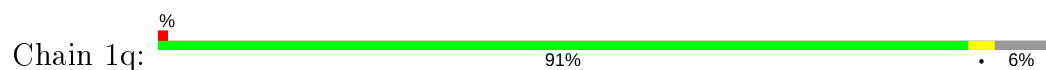
- Molecule 46: 30S ribosomal protein S16



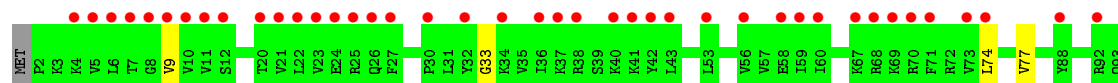
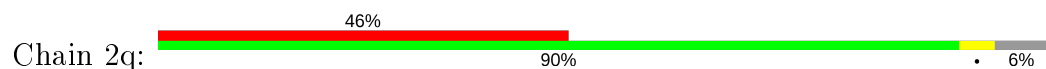
- Molecule 46: 30S ribosomal protein S16

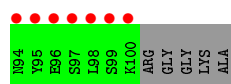


- Molecule 47: 30S ribosomal protein S17

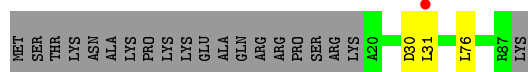
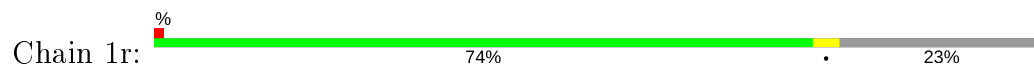


- Molecule 47: 30S ribosomal protein S17

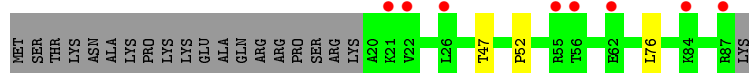




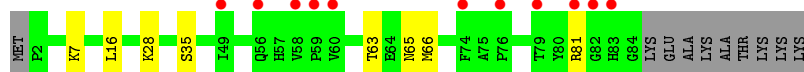
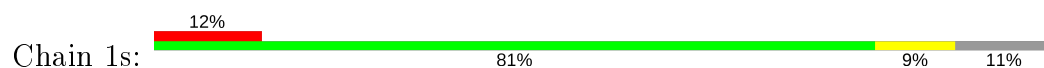
- Molecule 48: 30S ribosomal protein S18



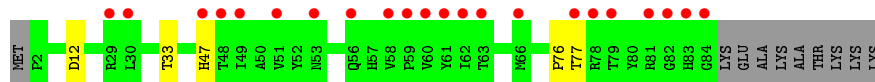
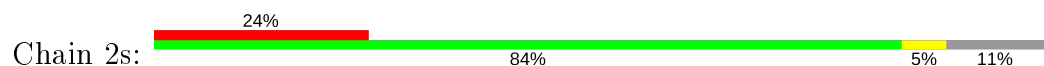
- Molecule 48: 30S ribosomal protein S18



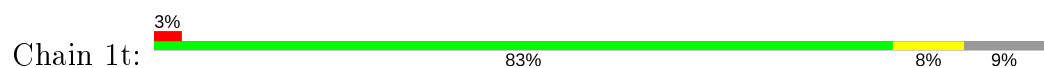
- Molecule 49: 30S ribosomal protein S19



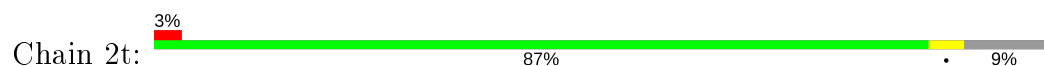
- Molecule 49: 30S ribosomal protein S19



- Molecule 50: 30S ribosomal protein S20



- Molecule 50: 30S ribosomal protein S20



- Molecule 51: 30S ribosomal protein Thx

MET			
G2			
R24			
LYS			
LYS			
LYS			




- Chain 2u: 

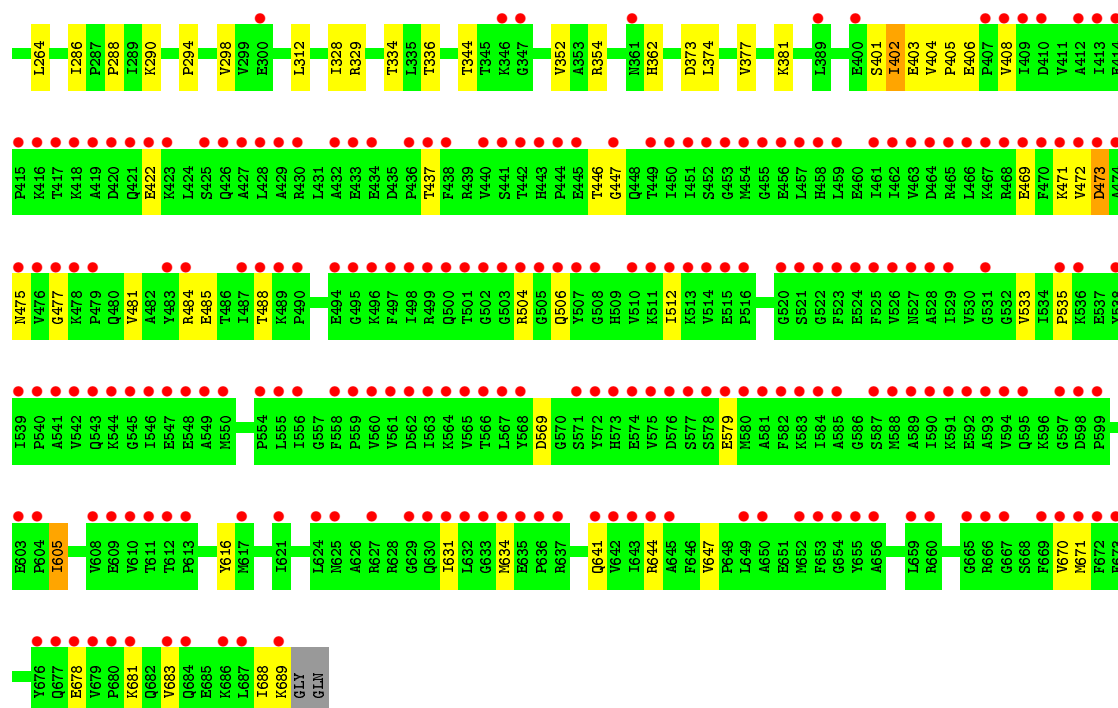
Diagram illustrating a protein structure with residues MET, G2, K3, G4, D5, W14, R24, and LYS. Red dots are placed above G2, K3, G4, D5, and W14. A green bar highlights the region from G2 to R24.

- Chain 1v: 

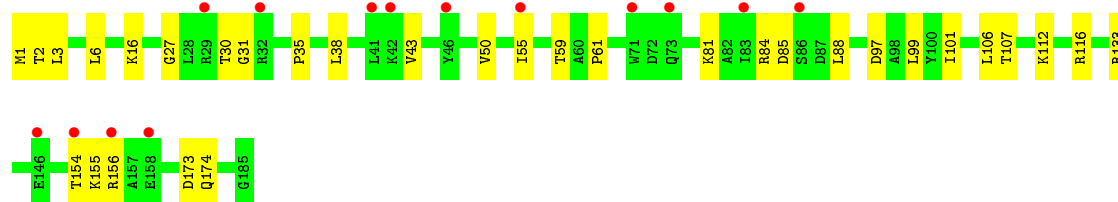
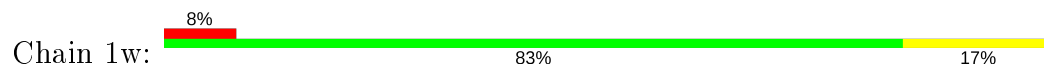
E615	V510	I413	E203	GLN	M-66
K511	K512	P415	E414	GLU	K-65
K513	K514	K416	E214	GLU	V-64
M634	V514	T417	D222	ARG	I-63
F523	F523	K418	D222	GLY	E-57
E524	E524	A419	M228	ILE	M-56
F525	F525	Q421	E233	THR	V-52
V526	V526	E422	E233	THR	G-51
N527	N527	S425	T238	A67	Q-50
A528	A528	Q426	D252	A68	V-49
I529	I529	A427	D252	V69	V-48
V530	V530	L428	L260	T70	D-47
G531	G531	A429	L260	C72	V-46
G532	G532	V440	L264	K75	K-45
V533	V533	P444	V279	P85	R-40
Y538	Y538	T445	L284	G86	R-34
I539	I539	G447	D285	H87	L-32
P540	P540	Q443	I286	V83	A-31
A541	A541	F470	I289	D89	V-30
V542	V542	R468	E297	F90	L-29
V543	V543	E469	E297	T91	A-28
Q543	Q543	F471	R324	I92	A-19
S552	S552	V472	R324	E93	E-19
V560	V560	D473	I328	R96	Q-13
I563	I563	A474	R329	S97	R-6
K564	K564	N475	T344	N98	E-1
V565	V565	V476	V352	D102	K10
D569	D569	G477	A353	Q112	K10
G570	G570	V481	R354	G113	R13
S571	S571	A482	R354	V114	N14
Y572	Y572	R484	H362	V130	I15
E579	E579	I487	L369	P131	I15
F582	F582	T488	L374	R132	R38
K591	K591	K489	V377	M139	ILE
V594	V594	P490	T385	L146	HIS
Q595	Q595	V491	E494	R160	LVS
D598	D598	D492	R499	L166	ILE
P599	P599	V493	L399	L166	GLY
V600	V600	E494	Q500	L166	GLU
I601	I601	T501	E400	R170	HIS
P604	P604	G502	I402	E171	GLU
I605	I605	G503	E403	D172	ALA
M606	M606	R504	V404	M183	ALA
R607	R607	Q505	I409	R197	THR
V608	V608	G506	V412	E198	MET
E609	E609	V503	V412	M100	ASP
P610	P610	V503	V412	E198	PHE
K611	K611	G502	I402	E403	THR
Q682	Q682	R504	V404	M183	ALA
V683	V683	Q505	I409	R197	ALA
Q684	Q684	G506	V412	E198	THR
K689	K689	V503	V412	M100	MET
GLY	GLY	V503	V412	E198	GLU
GLN	GLN	V503	V412	E198	GLU

- Chain 2v: 

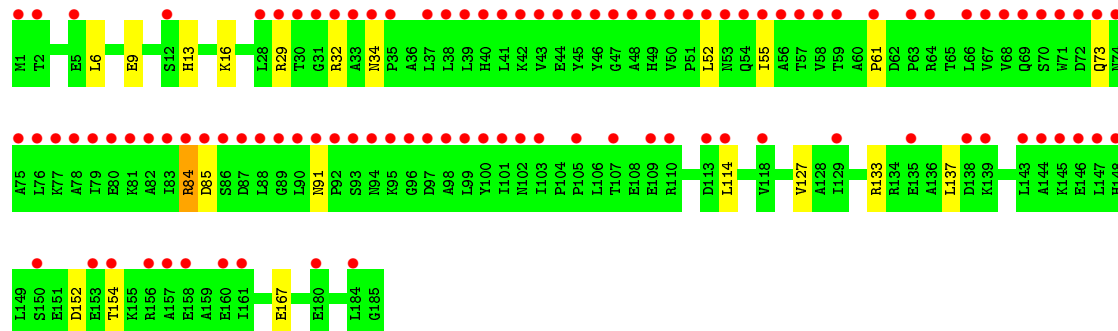
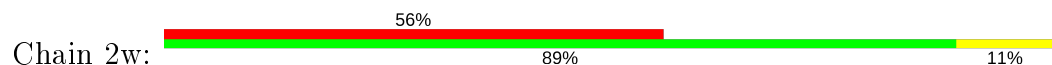
V88	V89	V90	V91	V92	V93	V94	V95	V96	V97	V98	V99	V100	V101	V102	V103	V104	V105	V106	V107	V108	V109	V110	V111	V112	V113	V114	V115	V116	V117	V118	V119	V120	V121	V122	V123	V124	V125	V126	V127	V128	V129	V130	V131	V132	V133	V134	V135	V136	V137	V138	V139	V140	V141	V142	V143	V144	V145	V146	V147	V148	V149	V150	V151	V152	V153	V154	V155	V156	V157	V158	V159	V160	V161	V162	V163	V164	V165	V166	V167	V168	V169	V170	V171	V172	V173	V174	V175	V176	V177	V178	V179	V180	V181	V182	V183	V184	V185	V186	V187	V188	V189	V190	V191	V192	V193	V194	V195	V196	V197	V198	V199	V200	V201	V202	V203	V204	V205	V206	V207	V208	V209	V210	V211	V212	V213	V214	V215	V216	V217	V218	V219	V220	V221	V222	V223	V224	V225	V226	V227	V228	V229	V230	V231	V232	V233	V234	V235	V236	V237	V238	V239	V240	V241	V242	V243	V244	V245	V246	V247	V248	V249	V250	V251	V252	V253	V254	V255	V256	V257	V258	V259	V260	V261	V262	V263	V264	V265	V266	V267	V268	V269	V270	V271	V272	V273	V274	V275	V276	V277	V278	V279	V280	V281	V282	V283	V284	V285	V286	V287	V288	V289	V290	V291	V292	V293	V294	V295	V296	V297	V298	V299	V300	V301	V302	V303	V304	V305	V306	V307	V308	V309	V310	V311	V312	V313	V314	V315	V316	V317	V318	V319	V320	V321	V322	V323	V324	V325	V326	V327	V328	V329	V330	V331	V332	V333	V334	V335	V336	V337	V338	V339	V340	V341	V342	V343	V344	V345	V346	V347	V348	V349	V350	V351	V352	V353	V354	V355	V356	V357	V358	V359	V360	V361	V362	V363	V364	V365	V366	V367	V368	V369	V370	V371	V372	V373	V374	V375	V376	V377	V378	V379	V380	V381	V382	V383	V384	V385	V386	V387	V388	V389	V390	V391	V392	V393	V394	V395	V396	V397	V398	V399	V400	V401	V402	V403	V404	V405	V406	V407	V408	V409	V410	V411	V412	V413	V414	V415	V416	V417	V418	V419	V420	V421	V422	V423	V424	V425	V426	V427	V428	V429	V430	V431	V432	V433	V434	V435	V436	V437	V438	V439	V440	V441	V442	V443	V444	V445	V446	V447	V448	V449	V450	V451	V452	V453	V454	V455	V456	V457	V458	V459	V460	V461	V462	V463	V464	V465	V466	V467	V468	V469	V470	V471	V472	V473	V474	V475	V476	V477	V478	V479	V480	V481	V482	V483	V484	V485	V486	V487	V488	V489	V490	V491	V492	V493	V494	V495	V496	V497	V498	V499	V500	V501	V502	V503	V504	V505	V506	V507	V508	V509	V510	V511	V512	V513	V514	V515	V516	V517	V518	V519	V520	V521	V522	V523	V524	V525	V526	V527	V528	V529	V530	V531	V532	V533	V534	V535	V536	V537	V538	V539	V540	V541	V542	V543	V544	V545	V546	V547	V548	V549	V550	V551	V552	V553	V554	V555	V556	V557	V558	V559	V560	V561	V562	V563	V564	V565	V566	V567	V568	V569	V570	V571	V572	V573	V574	V575	V576	V577	V578	V579	V580	V581	V582	V583	V584	V585	V586	V587	V588	V589	V590	V591	V592	V593	V594	V595	V596	V597	V598	V599	V600
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• Molecule 53: Ribosome-recycling factor

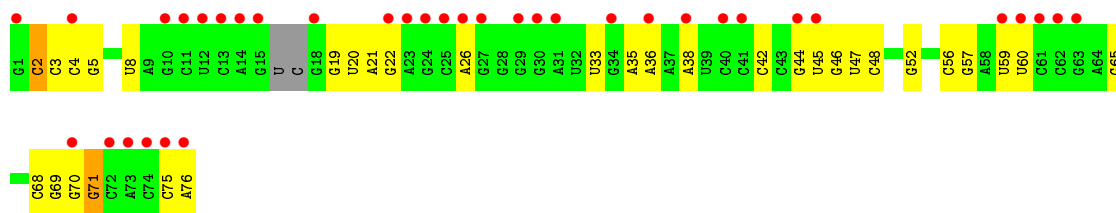


• Molecule 53: Ribosome-recycling factor

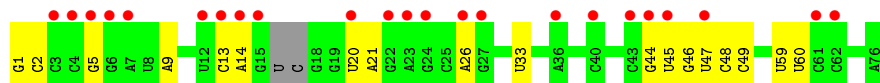
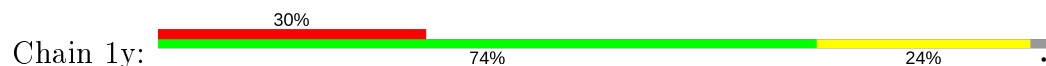


• Molecule 54: P-site and E-site tRNAs

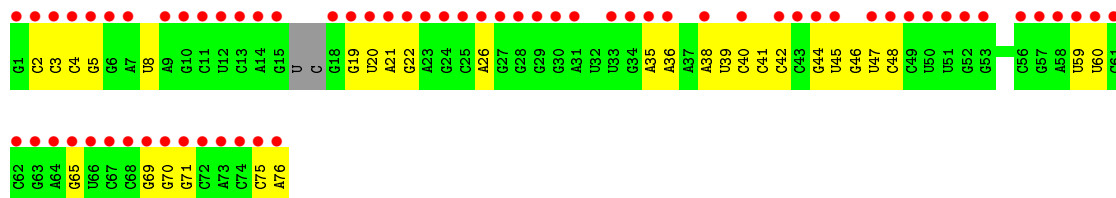
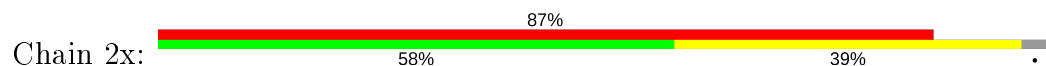




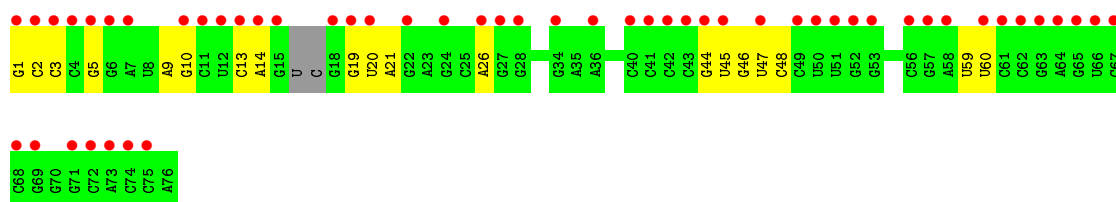
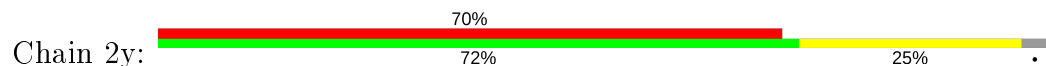
- Molecule 54: P-site and E-site tRNAs



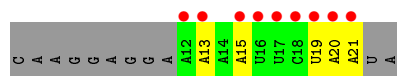
- Molecule 54: P-site and E-site tRNAs



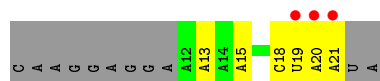
- Molecule 54: P-site and E-site tRNAs



- Molecule 55: mRNA



- Molecule 55: mRNA



4 Data and refinement statistics

Property	Value	Source
Space group	P 21 21 21	Depositor
Cell constants a, b, c, α , β , γ	209.66Å 448.74Å 623.99Å 90.00° 90.00° 90.00°	Depositor
Resolution (Å)	49.89 – 3.50 188.71 – 3.50	Depositor EDS
% Data completeness (in resolution range)	98.4 (49.89-3.50) 98.3 (188.71-3.50)	Depositor EDS
R_{merge}	0.33	Depositor
R_{sym}	(Not available)	Depositor
$\langle I/\sigma(I) \rangle$ ¹	1.09 (at 3.49Å)	Xtriage
Refinement program	PHENIX 1.13 _2998	Depositor
R, R_{free}	0.244 , 0.294 0.245 , 0.295	Depositor DCC
R_{free} test set	36340 reflections (5.04%)	wwPDB-VP
Wilson B-factor (Å ²)	112.7	Xtriage
Anisotropy	0.257	Xtriage
Bulk solvent k_{sol} (e/Å ³), B_{sol} (Å ²)	0.25 , 93.5	EDS
L-test for twinning ²	$\langle L \rangle = 0.36$, $\langle L^2 \rangle = 0.19$	Xtriage
Estimated twinning fraction	No twinning to report.	Xtriage
F_o, F_c correlation	0.89	EDS
Total number of atoms	305259	wwPDB-VP
Average B, all atoms (Å ²)	135.0	wwPDB-VP

Xtriage's analysis on translational NCS is as follows: *The largest off-origin peak in the Patterson function is 1.56% 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, OMC, ZN, M2G, OMG, 2MU, MIA, SF4, 0TD, GDP, 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	0.62	0/69010	1.08	104/107716 (0.1%)
1	2A	0.41	2/67294 (0.0%)	0.87	15/105038 (0.0%)
2	1B	0.56	1/2882 (0.0%)	0.94	0/4494
2	2B	0.35	1/2879 (0.0%)	0.80	1/4487 (0.0%)
3	1D	0.41	0/2186	0.58	0/2944
3	2D	0.34	0/2186	0.51	0/2944
4	1E	0.42	0/1592	0.57	0/2149
4	2E	0.31	0/1592	0.51	0/2149
5	1F	0.42	0/1619	0.55	0/2193
5	2F	0.31	0/1615	0.48	0/2188
6	1G	0.31	0/1476	0.49	0/1989
6	2G	0.26	0/1478	0.45	0/1992
7	1H	0.38	0/1356	0.52	0/1834
7	2H	0.28	0/1356	0.46	0/1834
8	1N	0.41	0/1144	0.54	0/1543
8	2N	0.29	0/1144	0.47	0/1543
9	1O	0.38	0/943	0.54	0/1269
9	2O	0.32	0/943	0.50	0/1269
10	1P	0.38	0/1152	0.61	0/1533
10	2P	0.31	0/1152	0.51	0/1533
11	1Q	0.43	0/1143	0.58	0/1527
11	2Q	0.30	0/1143	0.48	0/1527
12	1R	0.39	0/982	0.58	0/1312
12	2R	0.30	0/982	0.47	0/1312
13	1S	0.36	0/883	0.52	0/1176
13	2S	0.28	0/880	0.45	0/1172
14	1T	0.37	0/1105	0.53	0/1477
14	2T	0.30	0/1097	0.46	0/1468
15	1U	0.47	0/977	0.57	0/1301
15	2U	0.29	0/977	0.42	0/1301
16	1V	0.43	0/782	0.59	0/1049

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	# Z >5	RMSZ	# Z >5
16	2V	0.31	0/782	0.49	0/1049
17	1W	0.45	0/897	0.60	0/1205
17	2W	0.33	0/897	0.50	0/1205
18	1X	0.46	0/764	0.58	0/1025
18	2X	0.35	0/764	0.49	0/1025
19	1Y	0.46	0/819	0.58	0/1095
19	2Y	0.32	0/819	0.48	0/1095
20	1Z	0.40	0/1615	0.57	0/2197
20	2Z	0.28	0/1615	0.50	0/2197
21	10	0.40	0/606	0.56	0/808
21	20	0.30	0/606	0.48	0/808
22	11	0.39	0/762	0.55	0/1014
22	21	0.31	0/762	0.49	0/1014
23	12	0.41	0/590	0.55	0/781
23	22	0.30	0/590	0.41	0/781
24	13	0.45	0/474	0.58	0/635
24	23	0.34	0/469	0.50	0/630
25	14	0.32	0/565	0.54	0/761
25	24	0.26	0/545	0.46	0/737
26	15	0.47	0/469	0.63	0/635
26	25	0.34	0/469	0.52	0/635
27	16	0.44	0/460	0.57	0/613
27	26	0.30	0/456	0.48	0/608
28	17	0.45	0/426	0.59	0/561
28	27	0.35	0/426	0.53	0/561
29	18	0.45	0/525	0.59	0/691
29	28	0.33	0/525	0.48	0/691
30	19	0.38	0/310	0.55	0/407
30	29	0.29	0/310	0.52	0/407
31	1a	0.34	0/35769	0.83	14/55821 (0.0%)
31	2a	0.31	0/35886	0.82	11/56005 (0.0%)
32	1b	0.28	0/1881	0.46	0/2542
32	2b	0.26	0/1860	0.44	0/2518
33	1c	0.25	0/1572	0.43	0/2126
33	2c	0.25	0/1566	0.44	0/2119
34	1d	0.28	0/1685	0.44	0/2262
34	2d	0.27	0/1704	0.43	0/2284
35	1e	0.29	0/1145	0.46	0/1543
35	2e	0.29	0/1149	0.47	0/1548
36	1f	0.28	0/823	0.45	0/1115
36	2f	0.28	0/829	0.46	0/1123
37	1g	0.25	0/1250	0.40	0/1679
37	2g	0.25	0/1254	0.41	0/1683

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	# Z >5	RMSZ	# Z >5
38	1h	0.29	0/1108	0.45	0/1494
38	2h	0.28	0/1108	0.46	0/1494
39	1i	0.26	0/1002	0.44	0/1346
39	2i	0.26	0/997	0.43	0/1343
40	1j	0.24	0/722	0.46	0/982
40	2j	0.24	0/727	0.44	0/988
41	1k	0.29	0/844	0.47	0/1145
41	2k	0.28	0/848	0.46	0/1149
42	1l	0.30	0/937	0.47	0/1260
42	2l	0.29	0/937	0.50	0/1260
43	1m	0.25	0/929	0.44	0/1250
43	2m	0.25	0/961	0.45	0/1291
44	1n	0.25	0/501	0.42	0/664
44	2n	0.26	0/501	0.46	0/664
45	1o	0.29	0/739	0.43	0/985
45	2o	0.26	0/739	0.43	0/985
46	1p	0.29	0/697	0.44	0/939
46	2p	0.28	0/693	0.46	0/935
47	1q	0.34	0/836	0.49	0/1117
47	2q	0.29	0/836	0.44	0/1117
48	1r	0.28	0/560	0.46	0/746
48	2r	0.27	0/560	0.43	0/746
49	1s	0.26	0/667	0.48	0/900
49	2s	0.25	0/661	0.48	0/893
50	1t	0.28	0/730	0.42	0/965
50	2t	0.26	0/729	0.40	0/965
51	1u	0.26	0/203	0.44	0/266
51	2u	0.22	0/203	0.40	0/266
52	1v	0.32	1/5765 (0.0%)	0.51	0/7809
52	2v	0.29	0/5765	0.49	0/7809
53	1w	0.35	0/1497	0.51	0/2017
53	2w	0.30	0/1497	0.45	0/2017
54	1x	0.39	0/1602	1.06	6/2493 (0.2%)
54	1y	0.36	0/1602	0.98	3/2493 (0.1%)
54	2x	0.32	0/1602	0.96	2/2493 (0.1%)
54	2y	0.32	0/1602	0.92	1/2493 (0.0%)
55	1z	0.36	0/237	0.74	0/366
55	2z	0.30	0/237	0.73	0/366
All	All	0.43	5/326021 (0.0%)	0.83	157/486013 (0.0%)

All (5) bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	2A	2426	A	O3'-P	-10.56	1.48	1.61
2	1B	1	U	OP3-P	-10.13	1.49	1.61
2	2B	1	U	OP3-P	-10.12	1.49	1.61
52	1v	199	ILE	C-N	8.10	1.49	1.34
1	2A	2440	C	O3'-P	6.55	1.69	1.61

The worst 5 of 157 bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
31	2a	1272	G	C5-C6-O6	11.42	135.45	128.60
31	1a	1030(B)	C	C2-N1-C1'	8.79	128.47	118.80
1	1A	1075	C	N1-C2-O2	8.70	124.12	118.90
31	2a	1272	G	N3-C2-N2	8.58	125.91	119.90
31	1a	1030(B)	C	N1-C2-O2	8.46	123.98	118.90

There are no chirality outliers.

There are no planarity outliers.

5.2 Too-close contacts ⓘ

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

Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
1	1A	61852	0	31185	1232	0
1	2A	60322	0	30409	1088	0
2	1B	2577	0	1305	40	0
2	2B	2575	0	1303	41	0
3	1D	2136	0	2217	95	0
3	2D	2136	0	2218	97	0
4	1E	1559	0	1616	52	0
4	2E	1559	0	1618	57	0
5	1F	1584	0	1625	76	0
5	2F	1580	0	1619	74	0
6	1G	1451	0	1496	62	0
6	2G	1453	0	1496	44	0
7	1H	1330	0	1407	45	0
7	2H	1330	0	1407	34	0
8	1N	1117	0	1183	37	0
8	2N	1117	0	1184	31	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
9	1O	933	0	996	47	0
9	2O	933	0	996	31	0
10	1P	1135	0	1212	53	0
10	2P	1135	0	1212	49	0
11	1Q	1122	0	1179	60	0
11	2Q	1122	0	1179	51	0
12	1R	968	0	1033	41	0
12	2R	968	0	1033	49	0
13	1S	873	0	927	25	0
13	2S	870	0	923	27	0
14	1T	1091	0	1151	38	0
14	2T	1083	0	1136	34	0
15	1U	959	0	1019	32	0
15	2U	959	0	1019	46	0
16	1V	771	0	830	23	0
16	2V	771	0	830	21	0
17	1W	886	0	940	29	0
17	2W	886	0	940	41	0
18	1X	750	0	814	35	0
18	2X	750	0	814	23	0
19	1Y	806	0	881	27	0
19	2Y	806	0	881	32	0
20	1Z	1582	0	1571	70	0
20	2Z	1582	0	1571	49	0
21	10	598	0	612	30	0
21	20	598	0	614	18	0
22	11	755	0	825	21	0
22	21	755	0	826	27	0
23	12	588	0	643	26	0
23	22	588	0	643	15	0
24	13	469	0	518	16	0
24	23	464	0	514	19	0
25	14	552	0	533	22	0
25	24	532	0	503	15	0
26	15	455	0	465	18	0
26	25	455	0	465	18	0
27	16	453	0	473	22	0
27	26	449	0	469	9	0
28	17	418	0	467	20	0
28	27	418	0	467	17	0
29	18	517	0	582	37	0
29	28	517	0	582	15	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
30	19	307	0	335	4	0
30	29	307	0	335	11	0
31	1a	32224	0	16272	0	0
31	2a	32327	0	16325	0	0
32	1b	1846	0	1867	0	0
32	2b	1825	0	1828	0	0
33	1c	1548	0	1535	0	0
33	2c	1542	0	1516	0	0
34	1d	1655	0	1671	0	0
34	2d	1674	0	1714	0	0
35	1e	1129	0	1184	0	0
35	2e	1133	0	1191	0	0
36	1f	810	0	804	0	0
36	2f	816	0	808	0	0
37	1g	1231	0	1238	0	0
37	2g	1235	0	1249	0	0
38	1h	1088	0	1126	0	0
38	2h	1088	0	1125	0	0
39	1i	983	0	986	0	0
39	2i	978	0	965	0	0
40	1j	709	0	650	0	0
40	2j	714	0	672	0	0
41	1k	829	0	825	0	0
41	2k	833	0	836	0	0
42	1l	932	0	981	0	0
42	2l	932	0	981	0	0
43	1m	919	0	951	0	0
43	2m	950	0	988	0	0
44	1n	492	0	528	0	0
44	2n	492	0	529	0	0
45	1o	728	0	760	0	0
45	2o	728	0	760	0	0
46	1p	681	0	697	0	0
46	2p	677	0	686	0	0
47	1q	823	0	891	0	0
47	2q	823	0	891	0	0
48	1r	555	0	618	0	0
48	2r	555	0	618	0	0
49	1s	652	0	662	0	0
49	2s	646	0	644	0	0
50	1t	728	0	798	0	0
50	2t	727	0	796	0	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
51	1u	199	0	208	0	0
51	2u	199	0	208	0	0
52	1v	5664	0	5748	0	0
52	2v	5664	0	5749	0	0
53	1w	1478	0	1526	0	0
53	2w	1478	0	1526	0	0
54	1x	1581	0	804	0	0
54	1y	1581	0	805	0	0
54	2x	1581	0	804	0	0
54	2y	1581	0	804	0	0
55	1z	212	0	108	0	0
55	2z	212	0	108	0	0
56	10	4	0	0	0	0
56	11	1	0	0	0	0
56	12	1	0	0	0	0
56	13	1	0	0	0	0
56	15	2	0	0	0	0
56	16	1	0	0	0	0
56	17	3	0	0	0	0
56	18	3	0	0	0	0
56	19	1	0	0	0	0
56	1A	1063	0	0	0	0
56	1B	26	0	0	0	0
56	1D	8	0	0	0	0
56	1E	8	0	0	0	0
56	1F	1	0	0	0	0
56	1H	2	0	0	0	0
56	1N	1	0	0	0	0
56	1O	5	0	0	0	0
56	1P	5	0	0	0	0
56	1Q	3	0	0	0	0
56	1R	3	0	0	0	0
56	1S	2	0	0	0	0
56	1T	5	0	0	0	0
56	1U	3	0	0	0	0
56	1V	1	0	0	0	0
56	1W	2	0	0	0	0
56	1Y	1	0	0	0	0
56	1Z	5	0	0	0	0
56	1a	319	0	0	0	0
56	1b	9	0	0	0	0
56	1d	4	0	0	0	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
56	1e	2	0	0	0	0
56	1g	2	0	0	0	0
56	1i	1	0	0	0	0
56	1l	1	0	0	0	0
56	1m	2	0	0	0	0
56	1n	2	0	0	0	0
56	1o	1	0	0	0	0
56	1p	1	0	0	0	0
56	1q	1	0	0	0	0
56	1s	3	0	0	0	0
56	1t	1	0	0	0	0
56	1u	1	0	0	0	0
56	1v	3	0	0	0	0
56	1x	2	0	0	0	0
56	1y	6	0	0	0	0
56	1z	1	0	0	0	0
56	20	6	0	0	0	0
56	21	1	0	0	0	0
56	23	3	0	0	0	0
56	24	1	0	0	0	0
56	25	1	0	0	0	0
56	26	2	0	0	0	0
56	27	3	0	0	0	0
56	28	6	0	0	0	0
56	29	2	0	0	0	0
56	2A	852	0	0	1	0
56	2B	32	0	0	0	0
56	2D	6	0	0	0	0
56	2E	5	0	0	0	0
56	2F	4	0	0	0	0
56	2N	2	0	0	0	0
56	2O	1	0	0	0	0
56	2P	3	0	0	0	0
56	2Q	6	0	0	0	0
56	2S	1	0	0	0	0
56	2T	2	0	0	0	0
56	2V	1	0	0	0	0
56	2X	1	0	0	0	0
56	2Y	2	0	0	0	0
56	2Z	4	0	0	0	0
56	2a	321	0	0	0	0
56	2b	3	0	0	0	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
56	2c	1	0	0	0	0
56	2d	3	0	0	0	0
56	2e	2	0	0	0	0
56	2f	4	0	0	0	0
56	2g	6	0	0	0	0
56	2h	5	0	0	0	0
56	2i	4	0	0	0	0
56	2k	2	0	0	0	0
56	2l	6	0	0	0	0
56	2m	3	0	0	0	0
56	2o	1	0	0	0	0
56	2p	3	0	0	0	0
56	2q	4	0	0	0	0
56	2r	2	0	0	0	0
56	2s	3	0	0	0	0
56	2t	1	0	0	0	0
56	2u	3	0	0	0	0
56	2v	3	0	0	0	0
56	2w	2	0	0	0	0
56	2x	8	0	0	0	0
56	2y	10	0	0	0	0
56	2z	3	0	0	0	0
57	14	1	0	0	0	0
57	15	1	0	0	0	0
57	16	1	0	0	0	0
57	19	1	0	0	0	0
57	1Y	1	0	0	0	0
57	1n	1	0	0	0	0
57	24	1	0	0	0	0
57	25	1	0	0	0	0
57	26	1	0	0	0	0
57	29	1	0	0	0	0
57	2Y	1	0	0	0	0
57	2n	1	0	0	0	0
58	1d	8	0	0	0	0
58	2d	8	0	0	0	0
59	1v	28	0	12	0	0
59	2v	28	0	12	0	0
60	2A	1	0	0	0	0
All	All	305259	0	207834	3783	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 13.

The worst 5 of 3783 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)
12:2R:101:ALA:HB2	26:25:44:THR:CG2	1.60	1.29
12:2R:101:ALA:HB2	26:25:44:THR:HG23	1.31	1.11
6:1G:161:THR:HG23	6:1G:163:ALA:H	1.13	1.08
1:2A:2138:C:N4	1:2A:2153:G:H1	1.52	1.06
12:2R:101:ALA:HB2	26:25:44:THR:HG21	1.31	1.04

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%)	241 (88%)	26 (10%)	6 (2%)	6	37
3	2D	273/276 (99%)	234 (86%)	33 (12%)	6 (2%)	6	37
4	1E	202/206 (98%)	179 (89%)	19 (9%)	4 (2%)	7	39
4	2E	202/206 (98%)	174 (86%)	26 (13%)	2 (1%)	15	54
5	1F	201/210 (96%)	182 (90%)	17 (8%)	2 (1%)	15	54
5	2F	201/210 (96%)	183 (91%)	15 (8%)	3 (2%)	10	45
6	1G	179/182 (98%)	155 (87%)	23 (13%)	1 (1%)	25	64
6	2G	179/182 (98%)	147 (82%)	27 (15%)	5 (3%)	5	32
7	1H	172/180 (96%)	152 (88%)	18 (10%)	2 (1%)	13	50
7	2H	172/180 (96%)	151 (88%)	19 (11%)	2 (1%)	13	50
8	1N	138/140 (99%)	121 (88%)	16 (12%)	1 (1%)	22	61
8	2N	138/140 (99%)	127 (92%)	8 (6%)	3 (2%)	6	37
9	1O	120/122 (98%)	105 (88%)	13 (11%)	2 (2%)	9	42
9	2O	120/122 (98%)	103 (86%)	16 (13%)	1 (1%)	19	58

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
10	1P	147/150 (98%)	134 (91%)	11 (8%)	2 (1%)	11	46
10	2P	147/150 (98%)	132 (90%)	13 (9%)	2 (1%)	11	46
11	1Q	139/141 (99%)	123 (88%)	14 (10%)	2 (1%)	11	46
11	2Q	139/141 (99%)	122 (88%)	16 (12%)	1 (1%)	22	61
12	1R	116/118 (98%)	91 (78%)	21 (18%)	4 (3%)	3	28
12	2R	116/118 (98%)	110 (95%)	5 (4%)	1 (1%)	17	56
13	1S	108/112 (96%)	96 (89%)	12 (11%)	0	100	100
13	2S	108/112 (96%)	96 (89%)	10 (9%)	2 (2%)	8	40
14	1T	129/146 (88%)	117 (91%)	12 (9%)	0	100	100
14	2T	129/146 (88%)	115 (89%)	13 (10%)	1 (1%)	19	58
15	1U	114/118 (97%)	104 (91%)	8 (7%)	2 (2%)	8	41
15	2U	114/118 (97%)	109 (96%)	4 (4%)	1 (1%)	17	56
16	1V	99/101 (98%)	85 (86%)	12 (12%)	2 (2%)	7	39
16	2V	99/101 (98%)	86 (87%)	12 (12%)	1 (1%)	15	54
17	1W	110/113 (97%)	98 (89%)	10 (9%)	2 (2%)	8	41
17	2W	110/113 (97%)	102 (93%)	7 (6%)	1 (1%)	17	56
18	1X	93/96 (97%)	84 (90%)	6 (6%)	3 (3%)	4	29
18	2X	93/96 (97%)	81 (87%)	11 (12%)	1 (1%)	14	52
19	1Y	105/110 (96%)	88 (84%)	15 (14%)	2 (2%)	8	40
19	2Y	105/110 (96%)	92 (88%)	10 (10%)	3 (3%)	4	31
20	1Z	202/206 (98%)	159 (79%)	34 (17%)	9 (4%)	2	21
20	2Z	202/206 (98%)	161 (80%)	28 (14%)	13 (6%)	1	14
21	10	73/85 (86%)	69 (94%)	4 (6%)	0	100	100
21	20	73/85 (86%)	67 (92%)	5 (7%)	1 (1%)	11	46
22	11	95/98 (97%)	90 (95%)	5 (5%)	0	100	100
22	21	95/98 (97%)	89 (94%)	4 (4%)	2 (2%)	7	38
23	12	68/72 (94%)	60 (88%)	5 (7%)	3 (4%)	2	21
23	22	68/72 (94%)	63 (93%)	5 (7%)	0	100	100
24	13	57/60 (95%)	51 (90%)	5 (9%)	1 (2%)	8	41
24	23	57/60 (95%)	51 (90%)	5 (9%)	1 (2%)	8	41
25	14	67/71 (94%)	51 (76%)	10 (15%)	6 (9%)	1	8

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
25	24	67/71 (94%)	53 (79%)	10 (15%)	4 (6%)	1	15
26	15	57/60 (95%)	53 (93%)	4 (7%)	0	100	100
26	25	57/60 (95%)	53 (93%)	4 (7%)	0	100	100
27	16	51/54 (94%)	46 (90%)	5 (10%)	0	100	100
27	26	51/54 (94%)	48 (94%)	2 (4%)	1 (2%)	7	39
28	17	46/49 (94%)	43 (94%)	3 (6%)	0	100	100
28	27	46/49 (94%)	40 (87%)	5 (11%)	1 (2%)	6	37
29	18	62/65 (95%)	54 (87%)	7 (11%)	1 (2%)	9	43
29	28	62/65 (95%)	57 (92%)	5 (8%)	0	100	100
30	19	35/37 (95%)	30 (86%)	5 (14%)	0	100	100
30	29	35/37 (95%)	31 (89%)	4 (11%)	0	100	100
32	1b	229/256 (90%)	190 (83%)	32 (14%)	7 (3%)	4	30
32	2b	229/256 (90%)	199 (87%)	22 (10%)	8 (4%)	3	27
33	1c	204/239 (85%)	183 (90%)	17 (8%)	4 (2%)	7	39
33	2c	204/239 (85%)	172 (84%)	30 (15%)	2 (1%)	15	54
34	1d	206/209 (99%)	181 (88%)	21 (10%)	4 (2%)	8	40
34	2d	206/209 (99%)	189 (92%)	16 (8%)	1 (0%)	29	68
35	1e	146/162 (90%)	127 (87%)	17 (12%)	2 (1%)	11	46
35	2e	146/162 (90%)	127 (87%)	19 (13%)	0	100	100
36	1f	98/101 (97%)	92 (94%)	6 (6%)	0	100	100
36	2f	98/101 (97%)	92 (94%)	6 (6%)	0	100	100
37	1g	153/156 (98%)	135 (88%)	14 (9%)	4 (3%)	5	33
37	2g	153/156 (98%)	135 (88%)	14 (9%)	4 (3%)	5	33
38	1h	135/138 (98%)	125 (93%)	10 (7%)	0	100	100
38	2h	135/138 (98%)	118 (87%)	16 (12%)	1 (1%)	22	61
39	1i	125/128 (98%)	106 (85%)	19 (15%)	0	100	100
39	2i	125/128 (98%)	104 (83%)	21 (17%)	0	100	100
40	1j	95/105 (90%)	82 (86%)	9 (10%)	4 (4%)	3	23
40	2j	94/105 (90%)	78 (83%)	15 (16%)	1 (1%)	14	52
41	1k	112/129 (87%)	101 (90%)	9 (8%)	2 (2%)	8	41
41	2k	112/129 (87%)	98 (88%)	12 (11%)	2 (2%)	8	41

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
42	1l	119/132 (90%)	109 (92%)	9 (8%)	1 (1%)	19	58
42	2l	119/132 (90%)	97 (82%)	19 (16%)	3 (2%)	5	34
43	1m	116/126 (92%)	100 (86%)	16 (14%)	0	100	100
43	2m	120/126 (95%)	104 (87%)	14 (12%)	2 (2%)	9	42
44	1n	58/61 (95%)	49 (84%)	8 (14%)	1 (2%)	9	42
44	2n	58/61 (95%)	50 (86%)	7 (12%)	1 (2%)	9	42
45	1o	86/89 (97%)	79 (92%)	5 (6%)	2 (2%)	6	36
45	2o	86/89 (97%)	78 (91%)	4 (5%)	4 (5%)	2	20
46	1p	80/88 (91%)	66 (82%)	12 (15%)	2 (2%)	5	34
46	2p	80/88 (91%)	71 (89%)	8 (10%)	1 (1%)	12	48
47	1q	97/105 (92%)	84 (87%)	13 (13%)	0	100	100
47	2q	97/105 (92%)	84 (87%)	11 (11%)	2 (2%)	7	38
48	1r	66/88 (75%)	64 (97%)	2 (3%)	0	100	100
48	2r	66/88 (75%)	62 (94%)	3 (4%)	1 (2%)	10	45
49	1s	81/93 (87%)	68 (84%)	9 (11%)	4 (5%)	2	19
49	2s	81/93 (87%)	65 (80%)	14 (17%)	2 (2%)	5	34
50	1t	94/106 (89%)	82 (87%)	7 (7%)	5 (5%)	2	17
50	2t	94/106 (89%)	81 (86%)	10 (11%)	3 (3%)	4	29
51	1u	21/27 (78%)	18 (86%)	3 (14%)	0	100	100
51	2u	21/27 (78%)	19 (90%)	2 (10%)	0	100	100
52	1v	724/758 (96%)	593 (82%)	105 (14%)	26 (4%)	3	26
52	2v	724/758 (96%)	602 (83%)	97 (13%)	25 (4%)	3	27
53	1w	183/185 (99%)	159 (87%)	16 (9%)	8 (4%)	2	21
53	2w	183/185 (99%)	165 (90%)	13 (7%)	5 (3%)	5	33
All	All	12975/13718 (95%)	11321 (87%)	1394 (11%)	260 (2%)	7	39

5 of 260 Ramachandran outliers are listed below:

Mol	Chain	Res	Type
5	1F	130	ALA
7	1H	126	PRO
10	1P	53	GLY
11	1Q	16	ARG
16	1V	97	LYS

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%)	199 (93%)	16 (7%)	13	44
3	2D	215/218 (99%)	202 (94%)	13 (6%)	19	52
4	1E	164/166 (99%)	148 (90%)	16 (10%)	8	33
4	2E	164/166 (99%)	152 (93%)	12 (7%)	14	45
5	1F	160/166 (96%)	146 (91%)	14 (9%)	10	38
5	2F	159/166 (96%)	157 (99%)	2 (1%)	69	86
6	1G	150/156 (96%)	140 (93%)	10 (7%)	16	48
6	2G	150/156 (96%)	144 (96%)	6 (4%)	31	64
7	1H	144/148 (97%)	138 (96%)	6 (4%)	30	63
7	2H	144/148 (97%)	139 (96%)	5 (4%)	36	67
8	1N	118/119 (99%)	107 (91%)	11 (9%)	9	35
8	2N	118/119 (99%)	112 (95%)	6 (5%)	24	57
9	1O	100/100 (100%)	94 (94%)	6 (6%)	19	52
9	2O	100/100 (100%)	98 (98%)	2 (2%)	55	79
10	1P	115/116 (99%)	107 (93%)	8 (7%)	15	46
10	2P	115/116 (99%)	110 (96%)	5 (4%)	29	62
11	1Q	111/111 (100%)	106 (96%)	5 (4%)	27	61
11	2Q	111/111 (100%)	105 (95%)	6 (5%)	22	55
12	1R	101/101 (100%)	85 (84%)	16 (16%)	2	15
12	2R	101/101 (100%)	96 (95%)	5 (5%)	24	58
13	1S	86/88 (98%)	77 (90%)	9 (10%)	7	31
13	2S	85/88 (97%)	79 (93%)	6 (7%)	14	46
14	1T	115/127 (91%)	106 (92%)	9 (8%)	12	42
14	2T	113/127 (89%)	109 (96%)	4 (4%)	36	67
15	1U	93/94 (99%)	90 (97%)	3 (3%)	39	69
15	2U	93/94 (99%)	91 (98%)	2 (2%)	52	78

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
16	1V	80/82 (98%)	72 (90%)	8 (10%)	7	32
16	2V	80/82 (98%)	77 (96%)	3 (4%)	33	65
17	1W	90/92 (98%)	85 (94%)	5 (6%)	21	54
17	2W	90/92 (98%)	80 (89%)	10 (11%)	6	28
18	1X	77/78 (99%)	74 (96%)	3 (4%)	32	64
18	2X	77/78 (99%)	73 (95%)	4 (5%)	23	56
19	1Y	85/91 (93%)	77 (91%)	8 (9%)	8	35
19	2Y	85/91 (93%)	82 (96%)	3 (4%)	36	67
20	1Z	167/179 (93%)	150 (90%)	17 (10%)	7	32
20	2Z	167/179 (93%)	151 (90%)	16 (10%)	8	34
21	10	60/67 (90%)	59 (98%)	1 (2%)	60	82
21	20	60/67 (90%)	58 (97%)	2 (3%)	38	68
22	11	80/83 (96%)	75 (94%)	5 (6%)	18	51
22	21	80/83 (96%)	76 (95%)	4 (5%)	24	58
23	12	65/67 (97%)	60 (92%)	5 (8%)	13	42
23	22	65/67 (97%)	64 (98%)	1 (2%)	65	84
24	13	51/52 (98%)	45 (88%)	6 (12%)	5	25
24	23	50/52 (96%)	48 (96%)	2 (4%)	31	64
25	14	59/63 (94%)	51 (86%)	8 (14%)	3	20
25	24	53/63 (84%)	47 (89%)	6 (11%)	6	27
26	15	50/52 (96%)	47 (94%)	3 (6%)	19	52
26	25	50/52 (96%)	47 (94%)	3 (6%)	19	52
27	16	51/52 (98%)	48 (94%)	3 (6%)	19	53
27	26	50/52 (96%)	49 (98%)	1 (2%)	55	79
28	17	41/42 (98%)	37 (90%)	4 (10%)	8	33
28	27	41/42 (98%)	36 (88%)	5 (12%)	5	23
29	18	54/55 (98%)	50 (93%)	4 (7%)	13	44
29	28	54/55 (98%)	54 (100%)	0	100	100
30	19	34/34 (100%)	33 (97%)	1 (3%)	42	71
30	29	34/34 (100%)	31 (91%)	3 (9%)	10	38
32	1b	192/220 (87%)	182 (95%)	10 (5%)	23	56

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
32	2b	187/220 (85%)	180 (96%)	7 (4%)	34	65
33	1c	142/188 (76%)	138 (97%)	4 (3%)	43	72
33	2c	140/188 (74%)	133 (95%)	7 (5%)	24	58
34	1d	169/181 (93%)	160 (95%)	9 (5%)	22	55
34	2d	173/181 (96%)	166 (96%)	7 (4%)	31	64
35	1e	113/123 (92%)	109 (96%)	4 (4%)	36	67
35	2e	114/123 (93%)	107 (94%)	7 (6%)	18	51
36	1f	84/90 (93%)	83 (99%)	1 (1%)	71	87
36	2f	85/90 (94%)	81 (95%)	4 (5%)	26	60
37	1g	119/127 (94%)	114 (96%)	5 (4%)	30	63
37	2g	120/127 (94%)	119 (99%)	1 (1%)	81	91
38	1h	114/119 (96%)	110 (96%)	4 (4%)	36	67
38	2h	114/119 (96%)	108 (95%)	6 (5%)	22	55
39	1i	90/99 (91%)	85 (94%)	5 (6%)	21	54
39	2i	89/99 (90%)	83 (93%)	6 (7%)	16	48
40	1j	66/92 (72%)	64 (97%)	2 (3%)	41	71
40	2j	69/92 (75%)	66 (96%)	3 (4%)	29	62
41	1k	82/99 (83%)	80 (98%)	2 (2%)	49	76
41	2k	83/99 (84%)	83 (100%)	0	100	100
42	1l	96/108 (89%)	91 (95%)	5 (5%)	23	56
42	2l	96/108 (89%)	94 (98%)	2 (2%)	53	79
43	1m	89/101 (88%)	86 (97%)	3 (3%)	37	68
43	2m	92/101 (91%)	88 (96%)	4 (4%)	29	62
44	1n	49/50 (98%)	47 (96%)	2 (4%)	30	63
44	2n	49/50 (98%)	47 (96%)	2 (4%)	30	63
45	1o	78/80 (98%)	77 (99%)	1 (1%)	69	86
45	2o	78/80 (98%)	72 (92%)	6 (8%)	13	42
46	1p	69/74 (93%)	64 (93%)	5 (7%)	14	45
46	2p	68/74 (92%)	63 (93%)	5 (7%)	13	44
47	1q	94/97 (97%)	91 (97%)	3 (3%)	39	69
47	2q	94/97 (97%)	92 (98%)	2 (2%)	53	79

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
48	1r	59/77 (77%)	56 (95%)	3 (5%)	24	57
48	2r	59/77 (77%)	57 (97%)	2 (3%)	37	68
49	1s	69/80 (86%)	65 (94%)	4 (6%)	20	53
49	2s	67/80 (84%)	64 (96%)	3 (4%)	27	61
50	1t	70/82 (85%)	67 (96%)	3 (4%)	29	62
50	2t	70/82 (85%)	69 (99%)	1 (1%)	67	85
51	1u	18/22 (82%)	18 (100%)	0	100	100
51	2u	18/22 (82%)	18 (100%)	0	100	100
52	1v	605/636 (95%)	518 (86%)	87 (14%)	3	18
52	2v	605/636 (95%)	523 (86%)	82 (14%)	3	20
53	1w	157/157 (100%)	133 (85%)	24 (15%)	2	17
53	2w	157/157 (100%)	140 (89%)	17 (11%)	6	30
All	All	10671/11402 (94%)	9964 (93%)	707 (7%)	16	49

5 of 707 residues with a non-rotameric sidechain are listed below:

Mol	Chain	Res	Type
52	1v	228	MET
53	1w	174	GLN
52	2v	352	VAL
52	1v	297	GLU
52	1v	605	ILE

Some sidechains can be flipped to improve hydrogen bonding and reduce clashes. 5 of 123 such sidechains are listed below:

Mol	Chain	Res	Type
4	2E	48	GLN
14	2T	55	ASN
52	2v	506	GLN
6	2G	123	ASN
12	2R	3	HIS

5.3.3 RNA ⓘ

Mol	Chain	Analysed	Backbone Outliers	Pucker Outliers
1	1A	2862/2915 (98%)	486 (16%)	28 (0%)

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Mol	Chain	Analysed	Backbone Outliers	Pucker Outliers
1	2A	2789/2915 (95%)	495 (17%)	21 (0%)
2	1B	119/121 (98%)	15 (12%)	0
2	2B	118/121 (97%)	24 (20%)	0
31	1a	1492/1521 (98%)	230 (15%)	0
31	2a	1498/1521 (98%)	245 (16%)	0
54	1x	71/76 (93%)	30 (42%)	0
54	1y	71/76 (93%)	16 (22%)	0
54	2x	71/76 (93%)	29 (40%)	0
54	2y	71/76 (93%)	18 (25%)	0
55	1z	9/21 (42%)	5 (55%)	0
55	2z	9/21 (42%)	6 (66%)	0
All	All	9180/9460 (97%)	1599 (17%)	49 (0%)

5 of 1599 RNA backbone outliers are listed below:

Mol	Chain	Res	Type
1	1A	12	U
1	1A	13	A
1	1A	15	G
1	1A	27	G
1	1A	34	C

5 of 49 RNA pucker outliers are listed below:

Mol	Chain	Res	Type
1	1A	1992	G
1	1A	2689	U
1	2A	2119	A
1	1A	2181	G
1	2A	228	A

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

76 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
31	M2G	2a	966	31	20,27,28	1.37	3 (15%)	22,40,43	2.08	5 (22%)
54	PSU	2x	55	54	17,21,22	1.38	3 (17%)	20,30,33	2.99	5 (25%)
54	4SU	1y	8	54	14,21,22	1.42	2 (14%)	15,30,33	1.31	2 (13%)
31	5MC	1a	1404	31	15,22,23	1.35	1 (6%)	19,32,35	1.19	3 (15%)
31	PSU	1a	516	31,56	17,21,22	1.42	4 (23%)	20,30,33	3.18	6 (30%)
1	2MA	2A	2503	1,56	17,25,26	1.35	2 (11%)	19,37,40	2.22	4 (21%)
54	7MG	1x	46	54	22,26,27	1.81	4 (18%)	28,39,42	2.83	9 (32%)
1	5MU	1A	1939	1	15,22,23	1.06	1 (6%)	16,32,35	2.12	2 (12%)
31	5MC	2a	967	31	15,22,23	1.27	1 (6%)	19,32,35	1.43	2 (10%)
54	5MU	1x	54	54	15,22,23	1.00	1 (6%)	16,32,35	1.68	2 (12%)
1	5MU	2A	1939	1	15,22,23	1.10	2 (13%)	16,32,35	1.83	2 (12%)
31	UR3	2a	1498	31	14,22,23	0.82	1 (7%)	15,32,35	0.77	0
1	PSU	1A	2605	1	17,21,22	1.44	3 (17%)	20,30,33	3.03	7 (35%)
31	2MG	2a	1207	31	19,26,27	1.26	2 (10%)	21,38,41	2.21	7 (33%)
31	UR3	1a	1498	31,56	14,22,23	0.74	0	15,32,35	0.65	0
42	0TD	2l	92	42	4,9,10	3.07	1 (25%)	3,11,13	1.68	1 (33%)
31	MA6	2a	1518	31,56	19,26,27	0.94	1 (5%)	18,38,41	1.80	6 (33%)
31	MA6	1a	1519	31	19,26,27	1.05	1 (5%)	18,38,41	1.59	4 (22%)
1	PSU	1A	1917	1	17,21,22	1.50	3 (17%)	20,30,33	2.97	6 (30%)
54	7MG	2x	46	54	22,26,27	1.81	4 (18%)	28,39,42	2.78	8 (28%)
1	5MU	2A	1915	1,56	15,22,23	1.10	1 (6%)	16,32,35	1.85	2 (12%)
54	PSU	1x	39	54	17,21,22	1.46	2 (11%)	20,30,33	3.13	6 (30%)
54	PSU	2y	55	54	17,21,22	1.57	2 (11%)	20,30,33	3.10	6 (30%)
1	2MU	2A	2552	1	14,22,24	0.94	1 (7%)	14,31,36	0.84	0
54	PSU	1y	55	54	17,21,22	1.53	3 (17%)	20,30,33	3.04	6 (30%)
31	4OC	1a	1402	31	16,23,24	0.76	0	17,32,35	1.66	1 (5%)
1	PSU	1A	1911	1	17,21,22	1.38	4 (23%)	20,30,33	3.25	5 (25%)
1	OMG	1A	2251	1,56	18,26,27	1.07	2 (11%)	20,38,41	1.94	6 (30%)
54	PSU	2x	39	54	17,21,22	1.57	2 (11%)	20,30,33	3.25	7 (35%)
31	5MC	1a	967	31	15,22,23	1.27	1 (6%)	19,32,35	1.33	2 (10%)
1	OMG	2A	2251	1,56	18,26,27	1.21	2 (11%)	20,38,41	2.04	6 (30%)
31	MA6	1a	1518	31	19,26,27	0.95	1 (5%)	18,38,41	1.62	4 (22%)
54	MIA	1x	37	54	18,24,32	1.16	2 (11%)	18,35,47	1.34	2 (11%)
1	OMC	1A	1920	1	15,22,23	0.66	0	17,31,34	1.70	2 (11%)
1	2MA	1A	2503	1,56	17,25,26	1.48	2 (11%)	19,37,40	2.22	4 (21%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
31	PSU	2a	516	31,56	17,21,22	1.53	2 (11%)	20,30,33	3.14	6 (30%)
42	0TD	1l	92	42	4,9,10	3.05	1 (25%)	3,11,13	5.74	1 (33%)
31	5MC	2a	1407	31,56	15,22,23	1.27	1 (6%)	19,32,35	1.39	2 (10%)
54	5MU	2x	54	54	15,22,23	1.06	1 (6%)	16,32,35	1.97	2 (12%)
1	5MC	1A	1962	1	15,22,23	1.27	1 (6%)	19,32,35	1.30	3 (15%)
54	PSU	1x	55	54	17,21,22	1.44	2 (11%)	20,30,33	2.99	7 (35%)
31	5MC	1a	1400	31	15,22,23	1.33	1 (6%)	19,32,35	1.36	3 (15%)
1	PSU	2A	1911	1,56	17,21,22	1.51	4 (23%)	20,30,33	3.12	6 (30%)
1	PSU	2A	2605	1,56	17,21,22	1.83	3 (17%)	20,30,33	2.90	6 (30%)
54	MIA	2x	37	54	18,24,32	1.10	2 (11%)	18,35,47	1.31	2 (11%)
54	4SU	2y	8	54	14,21,22	1.37	2 (14%)	15,30,33	1.38	2 (13%)
54	PSU	1y	39	54	17,21,22	1.62	2 (11%)	20,30,33	3.05	6 (30%)
54	4SU	1x	8	54,56	14,21,22	1.18	1 (7%)	15,30,33	1.71	3 (20%)
31	5MC	2a	1400	31	15,22,23	1.22	1 (6%)	19,32,35	1.44	4 (21%)
54	PSU	1x	32	54,56	17,21,22	1.49	2 (11%)	20,30,33	3.15	6 (30%)
1	5MC	2A	1962	1	15,22,23	1.19	1 (6%)	19,32,35	1.47	3 (15%)
31	7MG	1a	527	31,56	22,26,27	1.71	4 (18%)	28,39,42	2.73	10 (35%)
31	5MC	1a	1407	31	15,22,23	1.33	1 (6%)	19,32,35	1.32	2 (10%)
31	MA6	2a	1519	31	19,26,27	1.00	1 (5%)	18,38,41	1.70	5 (27%)
54	5MU	1y	54	54	15,22,23	1.08	1 (6%)	16,32,35	1.79	2 (12%)
1	PSU	2A	1917	1,56	17,21,22	1.46	3 (17%)	20,30,33	3.34	7 (35%)
1	2MU	1A	2552	1,56	14,22,24	0.94	0	14,31,36	1.03	1 (7%)
54	7MG	1y	46	54	22,26,27	1.83	3 (13%)	28,39,42	2.82	9 (32%)
54	PSU	1y	32	54	17,21,22	1.45	2 (11%)	20,30,33	3.29	6 (30%)
31	4OC	2a	1402	31	16,23,24	0.62	0	17,32,35	1.15	1 (5%)
54	7MG	2y	46	54	22,26,27	1.77	3 (13%)	28,39,42	2.83	9 (32%)
31	7MG	2a	527	31	22,26,27	1.72	4 (18%)	28,39,42	2.71	9 (32%)
54	PSU	2x	32	54,56	17,21,22	1.62	3 (17%)	20,30,33	3.09	7 (35%)
1	OMC	2A	1920	1	15,22,23	0.65	0	17,31,34	1.43	2 (11%)
31	5MC	2a	1404	31	15,22,23	1.38	1 (6%)	19,32,35	1.23	2 (10%)
54	PSU	2y	32	54	17,21,22	1.38	2 (11%)	20,30,33	3.25	7 (35%)
1	5MC	1A	1942	1	15,22,23	1.37	1 (6%)	19,32,35	1.23	3 (15%)
54	5MU	2y	54	54	15,22,23	1.08	1 (6%)	16,32,35	1.78	2 (12%)
1	5MU	1A	1915	1	15,22,23	1.06	1 (6%)	16,32,35	1.86	2 (12%)
54	MIA	2y	37	54	18,24,32	1.06	2 (11%)	18,35,47	1.33	2 (11%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
31	M2G	1a	966	31	20,27,28	1.47	3 (15%)	22,40,43	2.11	5 (22%)
54	4SU	2x	8	54	14,21,22	1.30	1 (7%)	15,30,33	1.35	2 (13%)
54	PSU	2y	39	54	17,21,22	1.52	3 (17%)	20,30,33	3.14	6 (30%)
1	5MC	2A	1942	1	15,22,23	1.19	1 (6%)	19,32,35	1.37	2 (10%)
31	2MG	1a	1207	31	19,26,27	1.26	2 (10%)	21,38,41	2.13	7 (33%)
54	MIA	1y	37	54,31	18,24,32	1.10	2 (11%)	18,35,47	1.26	2 (11%)

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

Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
31	M2G	2a	966	31	-	4/7/29/30	0/3/3/3
54	PSU	2x	55	54	-	0/7/25/26	0/2/2/2
54	4SU	1y	8	54	-	0/5/25/26	0/2/2/2
31	5MC	1a	1404	31	-	0/5/25/26	0/2/2/2
31	PSU	1a	516	31,56	-	0/7/25/26	0/2/2/2
1	2MA	2A	2503	1,56	-	2/3/25/26	0/3/3/3
54	7MG	1x	46	54	-	1/7/37/38	0/3/3/3
1	5MU	1A	1939	1	-	1/5/25/26	0/2/2/2
31	5MC	2a	967	31	-	1/5/25/26	0/2/2/2
54	5MU	1x	54	54	-	2/5/25/26	0/2/2/2
1	5MU	2A	1939	1	-	0/5/25/26	0/2/2/2
31	UR3	2a	1498	31	-	0/5/25/26	0/2/2/2
1	PSU	1A	2605	1	-	0/7/25/26	0/2/2/2
31	2MG	2a	1207	31	-	2/5/27/28	0/3/3/3
31	UR3	1a	1498	31,56	-	0/5/25/26	0/2/2/2
42	0TD	2l	92	42	-	1/3/12/14	-
31	MA6	2a	1518	31,56	-	1/7/29/30	0/3/3/3
31	MA6	1a	1519	31	-	3/7/29/30	0/3/3/3
1	PSU	1A	1917	1	-	0/7/25/26	0/2/2/2
54	7MG	2x	46	54	-	1/7/37/38	0/3/3/3
1	5MU	2A	1915	1,56	-	0/5/25/26	0/2/2/2
54	PSU	1x	39	54	-	1/7/25/26	0/2/2/2
54	PSU	2y	55	54	-	0/7/25/26	0/2/2/2
1	2MU	2A	2552	1	-	0/7/27/28	0/2/2/2
54	PSU	1y	55	54	-	0/7/25/26	0/2/2/2
31	4OC	1a	1402	31	-	2/9/29/30	0/2/2/2
1	PSU	1A	1911	1	-	0/7/25/26	0/2/2/2

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
1	OMG	1A	2251	1,56	-	0/5/27/28	0/3/3/3
54	PSU	2x	39	54	-	2/7/25/26	0/2/2/2
31	5MC	1a	967	31	-	0/5/25/26	0/2/2/2
1	OMG	2A	2251	1,56	-	0/5/27/28	0/3/3/3
31	MA6	1a	1518	31	-	3/7/29/30	0/3/3/3
54	MIA	1x	37	54	-	2/3/25/34	0/3/3/3
1	OMC	1A	1920	1	-	1/7/27/28	0/2/2/2
1	2MA	1A	2503	1,56	-	2/3/25/26	0/3/3/3
31	PSU	2a	516	31,56	-	0/7/25/26	0/2/2/2
42	0TD	1l	92	42	-	2/3/12/14	-
31	5MC	2a	1407	31,56	-	0/5/25/26	0/2/2/2
54	5MU	2x	54	54	-	1/5/25/26	0/2/2/2
1	5MC	1A	1962	1	-	2/5/25/26	0/2/2/2
54	PSU	1x	55	54	-	1/7/25/26	0/2/2/2
31	5MC	1a	1400	31	-	2/5/25/26	0/2/2/2
1	PSU	2A	1911	1,56	-	1/7/25/26	0/2/2/2
1	PSU	2A	2605	1,56	-	0/7/25/26	0/2/2/2
54	MIA	2x	37	54	-	3/3/25/34	0/3/3/3
54	4SU	2y	8	54	-	0/5/25/26	0/2/2/2
54	PSU	1y	39	54	-	0/7/25/26	0/2/2/2
54	4SU	1x	8	54,56	-	3/5/25/26	0/2/2/2
31	5MC	2a	1400	31	-	2/5/25/26	0/2/2/2
54	PSU	1x	32	54,56	-	0/7/25/26	0/2/2/2
1	5MC	2A	1962	1	-	2/5/25/26	0/2/2/2
31	7MG	1a	527	31,56	-	2/7/37/38	0/3/3/3
31	5MC	1a	1407	31	-	0/5/25/26	0/2/2/2
31	MA6	2a	1519	31	-	4/7/29/30	0/3/3/3
54	5MU	1y	54	54	-	0/5/25/26	0/2/2/2
1	PSU	2A	1917	1,56	-	5/7/25/26	0/2/2/2
1	2MU	1A	2552	1,56	-	0/7/27/28	0/2/2/2
54	7MG	1y	46	54	-	6/7/37/38	0/3/3/3
54	PSU	1y	32	54	-	0/7/25/26	0/2/2/2
31	4OC	2a	1402	31	-	2/9/29/30	0/2/2/2
54	7MG	2y	46	54	-	5/7/37/38	0/3/3/3
31	7MG	2a	527	31	-	2/7/37/38	0/3/3/3
54	PSU	2x	32	54,56	-	0/7/25/26	0/2/2/2
1	OMC	2A	1920	1	-	0/7/27/28	0/2/2/2
31	5MC	2a	1404	31	-	0/5/25/26	0/2/2/2

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
54	PSU	2y	32	54	-	0/7/25/26	0/2/2/2
1	5MC	1A	1942	1	-	0/5/25/26	0/2/2/2
54	5MU	2y	54	54	-	0/5/25/26	0/2/2/2
1	5MU	1A	1915	1	-	2/5/25/26	0/2/2/2
54	MIA	2y	37	54	-	3/3/25/34	0/3/3/3
31	M2G	1a	966	31	-	0/7/29/30	0/3/3/3
54	4SU	2x	8	54	-	2/5/25/26	0/2/2/2
54	PSU	2y	39	54	-	0/7/25/26	0/2/2/2
1	5MC	2A	1942	1	-	0/5/25/26	0/2/2/2
31	2MG	1a	1207	31	-	0/5/27/28	0/3/3/3
54	MIA	1y	37	54,31	-	3/3/25/34	0/3/3/3

The worst 5 of 137 bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	2A	2605	PSU	C5-C1'	-5.85	1.47	1.52
42	1l	92	0TD	CB-SB	-5.83	1.70	1.84
42	2l	92	0TD	CB-SB	-5.82	1.70	1.84
54	1x	46	7MG	C6-C5	5.39	1.48	1.41
54	2x	46	7MG	C6-C5	5.30	1.48	1.41

The worst 5 of 314 bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
42	1l	92	0TD	CSB-SB-CB	-9.85	82.48	101.85
1	1A	1911	PSU	N1-C2-N3	-9.52	120.86	128.43
54	1y	46	7MG	N3-C4-N9	9.51	139.12	126.91
54	2y	46	7MG	N3-C4-N9	9.43	139.03	126.91
31	1a	516	PSU	N1-C2-N3	-9.36	120.99	128.43

There are no chirality outliers.

5 of 87 torsion outliers are listed below:

Mol	Chain	Res	Type	Atoms
31	2a	1207	2MG	N1-C2-N2-CM2
31	2a	1207	2MG	N3-C2-N2-CM2
42	2l	92	0TD	CG-CB-SB-CSB
31	1a	1519	MA6	C5-C6-N6-C10
31	1a	1402	4OC	O4'-C4'-C5'-O5'

There are no ring outliers.

16 monomers are involved in 30 short contacts:

Mol	Chain	Res	Type	Clashes	Symm-Clashes
1	2A	2503	2MA	3	0
1	1A	1939	5MU	1	0
1	2A	2552	2MU	2	0
1	1A	1911	PSU	2	0
1	1A	2251	OMG	3	0
1	2A	2251	OMG	1	0
1	1A	1920	OMC	2	0
1	1A	2503	2MA	5	0
1	2A	1911	PSU	2	0
1	2A	1962	5MC	2	0
1	2A	1917	PSU	2	0
1	1A	2552	2MU	1	0
1	2A	1920	OMC	1	0
1	1A	1942	5MC	1	0
1	1A	1915	5MU	1	0
1	2A	1942	5MC	1	0

5.5 Carbohydrates [i](#)

There are no carbohydrates in this entry.

5.6 Ligand geometry [i](#)

Of 2890 ligands modelled in this entry, 2886 are monoatomic - leaving 4 for Mogul analysis.

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

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\# Z > 2$	Counts	RMSZ	$\# Z > 2$
58	SF4	1d	304	34	0,12,12	0.00	-	-		
59	GDP	1v	704	56	24,30,30	1.20	2 (8%)	31,47,47	2.11	8 (25%)
58	SF4	2d	303	34	0,12,12	0.00	-	-		
59	GDP	2v	704	-	24,30,30	1.22	2 (8%)	31,47,47	2.05	8 (25%)

In the following table, the Chirals column lists the number of chiral outliers, the number of chiral

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

Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
58	SF4	1d	304	34	-	-	0/6/5/5
59	GDP	1v	704	56	-	0/12/32/32	0/3/3/3
58	SF4	2d	303	34	-	-	0/6/5/5
59	GDP	2v	704	-	-	5/12/32/32	0/3/3/3

All (4) bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
59	2v	704	GDP	C6-C5	4.29	1.48	1.41
59	1v	704	GDP	C6-C5	4.14	1.48	1.41
59	2v	704	GDP	C5-C4	2.51	1.47	1.40
59	1v	704	GDP	C5-C4	2.38	1.47	1.40

The worst 5 of 16 bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
59	1v	704	GDP	C2-N3-C4	5.00	121.07	115.36
59	2v	704	GDP	C2-N3-C4	4.56	120.56	115.36
59	1v	704	GDP	PA-O3A-PB	-4.50	117.38	132.83
59	2v	704	GDP	PA-O3A-PB	-4.37	117.83	132.83
59	1v	704	GDP	C5-C6-N1	-4.36	117.47	123.43

There are no chirality outliers.

All (5) torsion outliers are listed below:

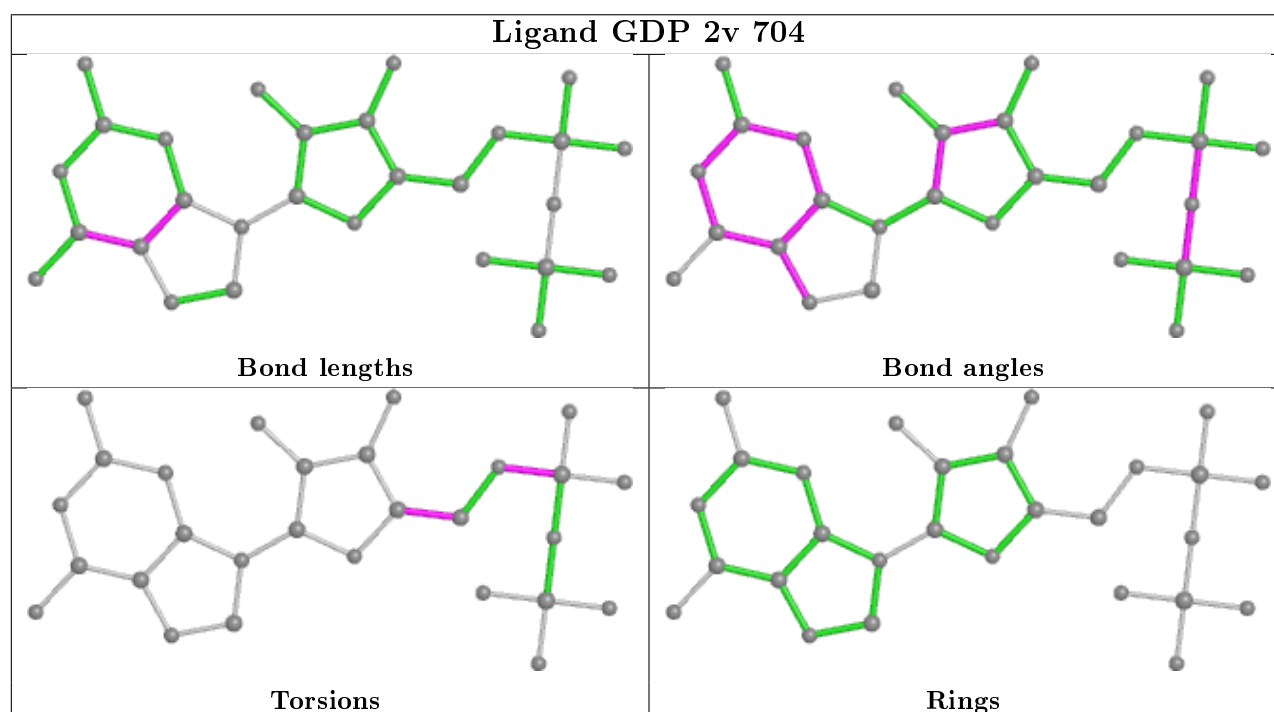
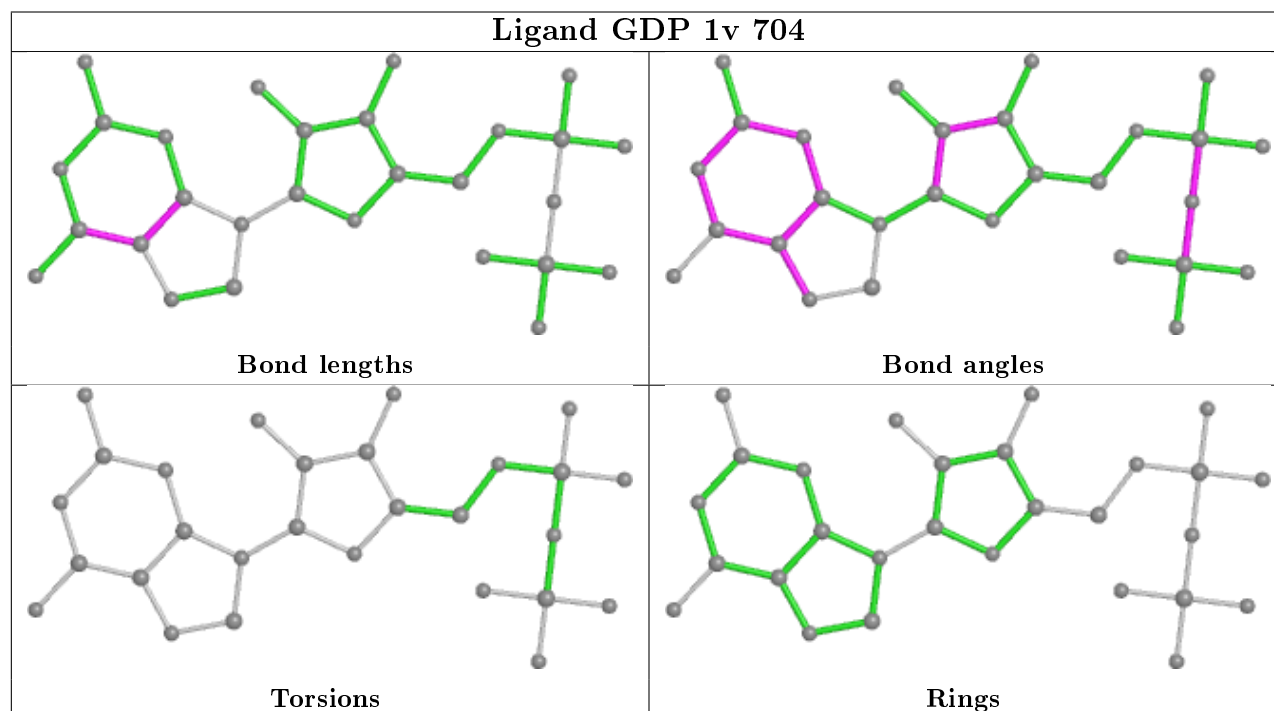
Mol	Chain	Res	Type	Atoms
59	2v	704	GDP	C5'-O5'-PA-O1A
59	2v	704	GDP	O4'-C4'-C5'-O5'
59	2v	704	GDP	C3'-C4'-C5'-O5'
59	2v	704	GDP	C5'-O5'-PA-O3A
59	2v	704	GDP	C5'-O5'-PA-O2A

There are no ring outliers.

No monomer is involved in short contacts.

The following is a two-dimensional graphical depiction of Mogul quality analysis of bond lengths, bond angles, torsion angles, and ring geometry for all instances of the Ligand of Interest. In addition, ligands with molecular weight > 250 and outliers as shown on the validation Tables will also be included. For torsion angles, if less than 5% of the Mogul distribution of torsion angles is

within 10 degrees of the torsion angle in question, then that torsion angle is considered an outlier. Any bond that is central to one or more torsion angles identified as an outlier by Mogul will be highlighted in the graph. For rings, the root-mean-square deviation (RMSD) between the ring in question and similar rings identified by Mogul is calculated over all ring torsion angles. If the average RMSD is greater than 60 degrees and the minimal RMSD between the ring in question and any Mogul-identified rings is also greater than 60 degrees, then that ring is considered an outlier. The outliers are highlighted in purple. The color gray indicates Mogul did not find sufficient equivalents in the CSD to analyse the geometry.



5.7 Other polymers [i](#)

There are no such residues in this entry.

5.8 Polymer linkage issues [i](#)

There are no chain breaks in this entry.

6 Fit of model and data ⓘ

6.1 Protein, DNA and RNA chains ⓘ

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

Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
1	1A	2860/2915 (98%)	0.13	44 (1%) 73 68	54, 75, 190, 283	0
1	2A	2789/2915 (95%)	0.15	130 (4%) 31 28	84, 119, 191, 306	0
2	1B	120/121 (99%)	-0.11	0 100 100	71, 95, 113, 126	0
2	2B	120/121 (99%)	-0.59	1 (0%) 86 81	132, 165, 184, 198	0
3	1D	275/276 (99%)	0.62	17 (6%) 20 18	62, 80, 92, 98	0
3	2D	275/276 (99%)	0.64	31 (11%) 5 6	89, 102, 117, 121	0
4	1E	204/206 (99%)	1.16	60 (29%) 0 0	60, 81, 94, 100	0
4	2E	204/206 (99%)	0.08	7 (3%) 45 40	96, 125, 137, 142	0
5	1F	203/210 (96%)	0.03	8 (3%) 39 35	55, 82, 100, 109	0
5	2F	203/210 (96%)	0.43	16 (7%) 12 13	94, 141, 155, 160	0
6	1G	181/182 (99%)	-0.34	2 (1%) 80 75	105, 135, 158, 175	0
6	2G	181/182 (99%)	1.76	62 (34%) 0 0	175, 205, 219, 227	0
7	1H	174/180 (96%)	-0.18	0 100 100	80, 88, 97, 101	0
7	2H	174/180 (96%)	1.16	38 (21%) 0 0	150, 166, 181, 184	0
8	1N	140/140 (100%)	0.25	4 (2%) 51 45	64, 73, 84, 90	0
8	2N	140/140 (100%)	1.05	26 (18%) 1 1	113, 128, 139, 141	0
9	1O	122/122 (100%)	2.10	65 (53%) 0 0	74, 85, 96, 100	0
9	2O	122/122 (100%)	2.04	60 (49%) 0 0	108, 121, 131, 132	0
10	1P	149/150 (99%)	0.04	4 (2%) 54 48	55, 82, 104, 111	0
10	2P	149/150 (99%)	1.18	39 (26%) 0 0	102, 134, 149, 151	0
11	1Q	141/141 (100%)	0.03	0 100 100	64, 79, 89, 101	0
11	2Q	141/141 (100%)	1.50	45 (31%) 0 0	108, 134, 150, 153	0
12	1R	118/118 (100%)	0.56	4 (3%) 45 40	64, 72, 81, 84	0
12	2R	118/118 (100%)	0.03	2 (1%) 70 64	96, 112, 122, 126	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
13	1S	110/112 (98%)	-0.44	0 100 100	83, 90, 97, 100	0
13	2S	110/112 (98%)	-0.02	2 (1%) 68 62	147, 159, 166, 168	0
14	1T	131/146 (89%)	1.52	47 (35%) 0 0	79, 89, 111, 118	0
14	2T	131/146 (89%)	0.70	22 (16%) 1 2	120, 128, 143, 148	0
15	1U	116/118 (98%)	0.30	2 (1%) 70 64	58, 65, 73, 75	0
15	2U	116/118 (98%)	0.44	7 (6%) 21 19	105, 125, 137, 139	0
16	1V	101/101 (100%)	0.06	1 (0%) 82 77	55, 74, 81, 83	0
16	2V	101/101 (100%)	0.67	12 (11%) 4 5	106, 138, 144, 148	0
17	1W	112/113 (99%)	0.95	8 (7%) 16 15	60, 65, 81, 91	0
17	2W	112/113 (99%)	0.16	0 100 100	88, 99, 107, 117	0
18	1X	95/96 (98%)	0.04	2 (2%) 63 58	71, 76, 84, 88	0
18	2X	95/96 (98%)	-0.44	0 100 100	102, 110, 118, 129	0
19	1Y	107/110 (97%)	-0.15	1 (0%) 84 79	78, 83, 90, 101	0
19	2Y	107/110 (97%)	0.69	12 (11%) 5 6	118, 137, 145, 147	0
20	1Z	204/206 (99%)	-0.22	1 (0%) 91 88	83, 99, 113, 123	0
20	2Z	204/206 (99%)	1.05	41 (20%) 1 1	127, 157, 174, 179	0
21	10	75/85 (88%)	-0.01	1 (1%) 77 71	69, 74, 81, 85	0
21	20	75/85 (88%)	1.34	25 (33%) 0 0	118, 129, 139, 144	0
22	11	97/98 (98%)	0.82	15 (15%) 2 2	67, 82, 107, 111	0
22	21	97/98 (98%)	1.73	41 (42%) 0 0	106, 124, 149, 156	0
23	12	70/72 (97%)	-0.04	0 100 100	82, 87, 97, 104	0
23	22	70/72 (97%)	-0.23	1 (1%) 75 69	119, 132, 140, 141	0
24	13	59/60 (98%)	0.47	2 (3%) 45 40	63, 71, 83, 90	0
24	23	59/60 (98%)	1.08	10 (16%) 1 2	122, 130, 133, 135	0
25	14	69/71 (97%)	-0.77	0 100 100	123, 162, 237, 238	0
25	24	69/71 (97%)	0.80	14 (20%) 1 1	195, 221, 254, 255	0
26	15	59/60 (98%)	0.96	8 (13%) 3 4	57, 73, 77, 79	0
26	25	59/60 (98%)	-0.11	0 100 100	92, 114, 120, 121	0
27	16	53/54 (98%)	0.12	1 (1%) 66 61	74, 80, 83, 85	0
27	26	53/54 (98%)	3.26	40 (75%) 0 0	123, 130, 134, 147	0
28	17	48/49 (97%)	0.70	2 (4%) 36 32	60, 63, 71, 73	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
28	27	48/49 (97%)	0.31	2 (4%) 36 32	85, 96, 100, 101	0
29	18	64/65 (98%)	0.77	4 (6%) 20 18	63, 70, 76, 78	0
29	28	64/65 (98%)	2.62	39 (60%) 0 0	114, 119, 128, 133	0
30	19	37/37 (100%)	0.01	0 100 100	77, 79, 81, 83	0
30	29	37/37 (100%)	1.11	8 (21%) 0 1	133, 141, 149, 152	0
31	1a	1487/1521 (97%)	-0.04	89 (5%) 21 19	90, 142, 235, 306	0
31	2a	1491/1521 (98%)	0.13	102 (6%) 17 16	117, 163, 259, 294	0
32	1b	231/256 (90%)	0.07	9 (3%) 39 35	157, 172, 189, 196	0
32	2b	231/256 (90%)	0.04	9 (3%) 39 35	185, 199, 223, 234	0
33	1c	206/239 (86%)	3.16	130 (63%) 0 0	185, 200, 218, 220	0
33	2c	206/239 (86%)	2.58	112 (54%) 0 0	216, 231, 246, 248	0
34	1d	208/209 (99%)	0.47	19 (9%) 9 9	137, 149, 154, 155	0
34	2d	208/209 (99%)	0.34	23 (11%) 5 6	140, 164, 167, 169	0
35	1e	148/162 (91%)	0.78	23 (15%) 2 2	127, 141, 148, 153	0
35	2e	148/162 (91%)	1.65	51 (34%) 0 0	157, 171, 185, 190	0
36	1f	100/101 (99%)	0.04	0 100 100	132, 138, 147, 153	0
36	2f	100/101 (99%)	-0.20	0 100 100	143, 148, 155, 160	0
37	1g	155/156 (99%)	2.48	69 (44%) 0 0	175, 205, 212, 215	0
37	2g	155/156 (99%)	5.37	114 (73%) 0 0	201, 227, 234, 238	0
38	1h	137/138 (99%)	0.35	5 (3%) 42 38	125, 138, 147, 157	0
38	2h	137/138 (99%)	0.28	10 (7%) 15 15	153, 163, 173, 185	0
39	1i	127/128 (99%)	1.06	31 (24%) 0 0	182, 221, 226, 229	0
39	2i	127/128 (99%)	1.12	33 (25%) 0 0	213, 246, 251, 252	0
40	1j	97/105 (92%)	2.31	43 (44%) 0 0	199, 222, 226, 227	0
40	2j	96/105 (91%)	0.87	24 (25%) 0 0	229, 244, 251, 252	0
41	1k	114/129 (88%)	1.75	45 (39%) 0 0	117, 144, 150, 157	0
41	2k	114/129 (88%)	2.40	61 (53%) 0 0	134, 161, 170, 176	0
42	1l	121/132 (91%)	0.75	17 (14%) 2 3	116, 130, 138, 141	0
42	2l	121/132 (91%)	2.09	53 (43%) 0 0	144, 153, 162, 166	0
43	1m	118/126 (93%)	0.26	12 (10%) 6 7	201, 226, 227, 229	0
43	2m	122/126 (96%)	1.52	29 (23%) 0 0	222, 242, 245, 247	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
44	1n	60/61 (98%)	2.59	32 (53%) 0 0	207, 215, 227, 228	0
44	2n	60/61 (98%)	2.32	31 (51%) 0 0	234, 239, 249, 250	0
45	1o	88/89 (98%)	-0.30	0 100 100	116, 128, 133, 135	0
45	2o	88/89 (98%)	0.28	5 (5%) 23 21	136, 148, 153, 154	0
46	1p	82/88 (93%)	0.28	5 (6%) 21 19	135, 146, 154, 159	0
46	2p	82/88 (93%)	0.37	2 (2%) 59 53	152, 160, 168, 176	0
47	1q	99/105 (94%)	-0.12	1 (1%) 82 77	116, 125, 131, 134	0
47	2q	99/105 (94%)	2.08	48 (48%) 0 0	138, 151, 155, 156	0
48	1r	68/88 (77%)	0.24	1 (1%) 73 68	133, 139, 143, 147	0
48	2r	68/88 (77%)	0.45	8 (11%) 4 5	147, 154, 159, 160	0
49	1s	83/93 (89%)	0.18	11 (13%) 3 4	213, 234, 238, 239	0
49	2s	83/93 (89%)	1.29	22 (26%) 0 0	235, 252, 255, 255	0
50	1t	96/106 (90%)	-0.01	3 (3%) 49 43	136, 144, 148, 149	0
50	2t	96/106 (90%)	0.11	3 (3%) 49 43	152, 157, 163, 165	0
51	1u	23/27 (85%)	-0.38	0 100 100	217, 220, 226, 227	0
51	2u	23/27 (85%)	0.39	5 (21%) 0 0	239, 242, 244, 244	0
52	1v	728/758 (96%)	0.35	86 (11%) 4 5	30, 144, 211, 217	0
52	2v	728/758 (96%)	1.46	232 (31%) 0 0	30, 197, 259, 264	0
53	1w	185/185 (100%)	0.59	14 (7%) 13 14	87, 118, 158, 166	0
53	2w	185/185 (100%)	3.44	103 (55%) 0 0	123, 157, 206, 217	0
54	1x	67/76 (88%)	2.28	36 (53%) 0 0	91, 195, 204, 206	0
54	1y	67/76 (88%)	1.57	23 (34%) 0 0	74, 212, 238, 247	0
54	2x	67/76 (88%)	10.21	66 (98%) 0 0	124, 232, 243, 245	0
54	2y	67/76 (88%)	4.02	53 (79%) 0 0	118, 252, 277, 282	0
55	1z	10/21 (47%)	3.36	9 (90%) 0 0	150, 157, 164, 164	0
55	2z	10/21 (47%)	2.57	3 (30%) 0 0	181, 185, 203, 204	0
All	All	22334/23178 (96%)	0.60	2951 (13%) 3 4	30, 134, 241, 306	0

The worst 5 of 2951 RSRZ outliers are listed below:

Mol	Chain	Res	Type	RSRZ
37	2g	91	VAL	20.4
37	2g	85	TYR	18.2

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Mol	Chain	Res	Type	RSRZ
54	2x	62	C	18.2
37	2g	84	ASN	18.2
52	2v	501	THR	17.2

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

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

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
54	PSU	2x	55	20/21	0.34	1.03	240,240,240,240	0
54	PSU	2y	32	20/21	0.50	0.37	220,220,220,220	0
54	7MG	1x	46	24/25	0.52	0.32	203,203,203,203	0
54	PSU	2y	55	20/21	0.52	0.47	279,279,279,279	0
54	5MU	2x	54	21/22	0.54	0.72	237,237,237,237	0
54	4SU	2x	8	20/21	0.61	1.10	239,239,239,239	0
54	5MU	2y	54	21/22	0.62	0.74	276,276,276,276	0
54	7MG	2y	46	24/25	0.65	0.39	261,261,261,261	0
54	4SU	1x	8	20/21	0.66	0.35	199,199,199,199	0
54	PSU	1y	32	20/21	0.66	0.43	188,188,188,188	0
54	7MG	2x	46	24/25	0.66	1.03	241,241,241,241	0
54	PSU	1x	55	20/21	0.68	0.32	194,194,194,194	0
54	MIA	2y	37	22/30	0.69	0.39	208,208,208,208	0
54	5MU	1y	54	21/22	0.69	0.17	236,236,236,236	0
54	PSU	1y	55	20/21	0.73	0.14	240,240,240,240	0
1	PSU	2A	1911	20/21	0.73	0.25	158,158,158,158	0
54	4SU	2y	8	20/21	0.74	0.32	259,259,259,259	0
54	PSU	2x	32	20/21	0.75	0.66	214,214,214,214	0
31	5MC	2a	967	21/22	0.76	0.15	216,216,216,216	0
54	MIA	2x	37	22/30	0.78	0.72	192,192,192,192	0
54	PSU	2y	39	20/21	0.79	0.67	212,212,212,212	0
54	MIA	1y	37	22/30	0.79	0.32	175,175,175,175	0
1	PSU	1A	1911	20/21	0.80	0.29	130,130,130,130	0
54	5MU	1x	54	21/22	0.80	0.32	193,193,193,193	0
54	MIA	1x	37	22/30	0.81	0.50	163,163,163,163	0
54	PSU	1x	32	20/21	0.81	0.65	184,184,184,184	0
54	4SU	1y	8	20/21	0.82	0.34	217,217,217,217	0
54	PSU	2x	39	20/21	0.82	0.99	204,204,204,204	0
54	7MG	1y	46	24/25	0.82	0.33	222,222,222,222	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
31	2MG	1a	1207	24/25	0.83	0.31	209,209,209,209	0
54	PSU	1x	39	20/21	0.83	0.39	173,173,173,173	0
31	5MC	2a	1404	21/22	0.84	0.35	156,156,156,156	0
31	4OC	2a	1402	22/23	0.84	0.28	165,165,165,165	0
1	5MU	2A	1915	21/22	0.84	0.36	169,169,169,169	0
1	PSU	2A	1917	20/21	0.84	0.30	164,164,164,164	0
31	5MC	2a	1407	21/22	0.85	0.41	157,157,157,157	0
31	5MC	1a	967	21/22	0.85	0.41	188,188,188,188	0
31	PSU	1a	516	20/21	0.85	0.15	144,144,144,144	0
31	2MG	2a	1207	24/25	0.86	0.23	232,232,232,232	0
31	MA6	2a	1518	24/25	0.86	0.48	149,149,149,149	0
31	5MC	1a	1407	21/22	0.87	0.24	129,129,129,129	0
1	PSU	1A	1917	20/21	0.87	0.15	138,138,138,138	0
31	M2G	1a	966	25/26	0.88	0.37	184,184,184,184	0
31	PSU	2a	516	20/21	0.89	0.14	166,166,166,166	0
31	MA6	2a	1519	24/25	0.89	0.54	148,148,148,148	0
31	UR3	2a	1498	21/22	0.89	0.34	158,158,158,158	0
31	7MG	2a	527	24/25	0.90	0.18	155,155,155,155	0
42	0TD	1l	92	10/11	0.90	0.36	132,132,132,132	0
1	OMC	2A	1920	21/22	0.90	0.32	153,153,153,153	0
31	5MC	2a	1400	21/22	0.90	0.44	182,182,182,182	0
42	0TD	2l	92	10/11	0.90	0.66	155,155,155,155	0
31	7MG	1a	527	24/25	0.90	0.21	133,133,133,133	0
31	5MC	1a	1404	21/22	0.91	0.27	126,126,126,126	0
54	PSU	1y	39	20/21	0.91	0.34	177,177,177,177	0
31	M2G	2a	966	25/26	0.91	0.19	211,211,211,211	0
1	PSU	1A	2605	20/21	0.91	0.33	69,69,69,69	0
1	2MA	1A	2503	23/24	0.91	0.39	58,58,58,58	0
1	5MU	1A	1915	21/22	0.91	0.17	142,142,142,142	0
1	2MU	2A	2552	21/23	0.92	0.25	105,105,105,105	0
1	PSU	2A	2605	20/21	0.92	0.26	95,95,95,95	0
1	OMG	2A	2251	24/25	0.92	0.18	106,106,106,106	0
1	OMC	1A	1920	21/22	0.93	0.27	126,126,126,126	0
1	5MC	2A	1962	21/22	0.93	0.15	112,112,112,112	0
31	4OC	1a	1402	22/23	0.93	0.22	134,134,134,134	0
1	5MU	1A	1939	21/22	0.93	0.24	74,74,74,74	0
1	5MC	1A	1962	21/22	0.94	0.21	81,81,81,81	0
31	UR3	1a	1498	21/22	0.94	0.25	133,133,133,133	0
1	5MU	2A	1939	21/22	0.94	0.23	101,101,101,101	0
1	2MA	2A	2503	23/24	0.95	0.22	95,95,95,95	0
31	MA6	1a	1518	24/25	0.95	0.28	123,123,123,123	0
1	2MU	1A	2552	21/23	0.95	0.28	71,71,71,71	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
1	OMG	1A	2251	24/25	0.95	0.25	62,62,62,62	0
31	5MC	1a	1400	21/22	0.95	0.25	153,153,153,153	0
1	5MC	2A	1942	21/22	0.96	0.17	112,112,112,112	0
31	MA6	1a	1519	24/25	0.96	0.27	122,122,122,122	0
1	5MC	1A	1942	21/22	0.96	0.24	81,81,81,81	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. The B-factors column lists the minimum, median, 95th percentile and maximum values of B factors of atoms in the group. The column labelled 'Q< 0.9' lists the number of atoms with occupancy less than 0.9.

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	2A	3246	1/1	-0.24	0.56	153,153,153,153	0
56	MG	2g	202	1/1	-0.23	0.63	185,185,185,185	0
56	MG	2a	1801	1/1	-0.17	0.39	215,215,215,215	0
56	MG	2a	1763	1/1	-0.14	0.14	240,240,240,240	0
56	MG	2a	1766	1/1	-0.13	0.46	261,261,261,261	0
56	MG	2a	1767	1/1	-0.10	0.38	276,276,276,276	0
56	MG	2a	1765	1/1	-0.08	0.28	250,250,250,250	0
56	MG	2A	3252	1/1	-0.07	0.40	127,127,127,127	0
56	MG	1a	1854	1/1	-0.07	0.67	229,229,229,229	0
56	MG	2a	1684	1/1	-0.04	0.77	161,161,161,161	0
56	MG	2x	108	1/1	-0.02	0.66	245,245,245,245	0
56	MG	2m	202	1/1	-0.01	0.66	230,230,230,230	0
56	MG	2A	3122	1/1	0.01	1.52	117,117,117,117	0
56	MG	2x	105	1/1	0.03	2.65	237,237,237,237	0
56	MG	2a	1828	1/1	0.06	0.71	163,163,163,163	0
56	MG	1a	1730	1/1	0.09	0.52	162,162,162,162	0
56	MG	2a	1785	1/1	0.15	1.07	228,228,228,228	0
56	MG	2A	3184	1/1	0.16	0.70	135,135,135,135	0
56	MG	1a	1670	1/1	0.16	0.41	137,137,137,137	0
56	MG	2Q	202	1/1	0.17	0.41	132,132,132,132	0
56	MG	2r	301	1/1	0.19	0.52	139,139,139,139	0
56	MG	2p	102	1/1	0.19	0.70	148,148,148,148	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	2a	1602	1/1	0.19	0.41	151,151,151,151	0
56	MG	2y	106	1/1	0.20	0.70	263,263,263,263	0
56	MG	2a	1714	1/1	0.20	0.67	143,143,143,143	0
56	MG	1a	1823	1/1	0.20	0.26	211,211,211,211	0
56	MG	2A	3245	1/1	0.21	0.64	111,111,111,111	0
56	MG	2i	202	1/1	0.21	0.20	255,255,255,255	0
56	MG	2A	3681	1/1	0.22	0.42	119,119,119,119	0
56	MG	2g	203	1/1	0.22	0.25	214,214,214,214	0
56	MG	2A	3517	1/1	0.22	0.42	132,132,132,132	0
56	MG	2g	201	1/1	0.23	0.23	229,229,229,229	0
56	MG	2a	1761	1/1	0.26	0.31	210,210,210,210	0
56	MG	2A	3552	1/1	0.26	0.51	105,105,105,105	0
56	MG	1a	1637	1/1	0.27	0.23	119,119,119,119	0
56	MG	2A	3830	1/1	0.28	0.73	125,125,125,125	0
56	MG	2a	1664	1/1	0.28	0.48	150,150,150,150	0
56	MG	1a	1899	1/1	0.28	0.26	149,149,149,149	0
56	MG	2a	1706	1/1	0.28	0.48	150,150,150,150	0
56	MG	1b	305	1/1	0.29	0.60	166,166,166,166	0
56	MG	2a	1659	1/1	0.29	0.33	117,117,117,117	0
56	MG	2a	1674	1/1	0.29	0.88	127,127,127,127	0
56	MG	1a	1782	1/1	0.30	0.36	127,127,127,127	0
56	MG	2A	3597	1/1	0.30	0.18	120,120,120,120	0
56	MG	2a	1887	1/1	0.30	0.66	134,134,134,134	0
56	MG	1A	4503	1/1	0.31	0.56	102,102,102,102	0
56	MG	2a	1800	1/1	0.31	0.18	220,220,220,220	0
56	MG	1a	1685	1/1	0.31	0.54	173,173,173,173	0
56	MG	1a	1803	1/1	0.32	0.74	125,125,125,125	0
56	MG	2a	1760	1/1	0.33	0.21	220,220,220,220	0
56	MG	2l	204	1/1	0.34	0.50	136,136,136,136	0
56	MG	2A	3629	1/1	0.34	0.61	114,114,114,114	0
56	MG	1a	1768	1/1	0.34	0.51	122,122,122,122	0
56	MG	2l	206	1/1	0.34	0.53	145,145,145,145	0
56	MG	2a	1661	1/1	0.35	0.33	145,145,145,145	0
56	MG	2a	1677	1/1	0.35	0.26	166,166,166,166	0
56	MG	2B	208	1/1	0.36	0.93	135,135,135,135	0
56	MG	2a	1899	1/1	0.36	0.59	125,125,125,125	0
56	MG	2a	1669	1/1	0.37	0.70	140,140,140,140	0
56	MG	2Q	206	1/1	0.37	0.45	118,118,118,118	0
56	MG	2A	3071	1/1	0.37	0.68	129,129,129,129	0
56	MG	2A	3692	1/1	0.38	0.41	133,133,133,133	0
56	MG	1s	103	1/1	0.39	0.23	203,203,203,203	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	2A	3390	1/1	0.40	0.21	116,116,116,116	0
56	MG	2Z	401	1/1	0.40	0.44	142,142,142,142	0
56	MG	2A	3795	1/1	0.41	0.38	109,109,109,109	0
56	MG	2A	3387	1/1	0.41	0.33	123,123,123,123	0
56	MG	1a	1681	1/1	0.41	0.30	158,158,158,158	0
56	MG	1x	301	1/1	0.41	0.22	193,193,193,193	0
56	MG	2A	3639	1/1	0.41	0.44	118,118,118,118	0
56	MG	2A	3574	1/1	0.41	0.56	253,253,253,253	0
56	MG	2T	302	1/1	0.42	0.33	124,124,124,124	0
56	MG	1q	201	1/1	0.42	0.83	115,115,115,115	0
56	MG	2a	1844	1/1	0.42	0.29	238,238,238,238	0
56	MG	2A	3083	1/1	0.42	1.40	115,115,115,115	0
56	MG	2A	3022	1/1	0.43	0.41	126,126,126,126	0
56	MG	1a	1669	1/1	0.43	0.46	124,124,124,124	0
56	MG	2a	1776	1/1	0.43	0.48	197,197,197,197	0
56	MG	2A	3680	1/1	0.44	0.24	114,114,114,114	0
56	MG	2a	1686	1/1	0.44	0.32	150,150,150,150	0
56	MG	1a	1776	1/1	0.44	0.52	122,122,122,122	0
56	MG	1A	4516	1/1	0.44	0.87	118,118,118,118	0
56	MG	1a	1671	1/1	0.44	0.22	139,139,139,139	0
56	MG	2a	1709	1/1	0.44	0.59	156,156,156,156	0
56	MG	1a	1777	1/1	0.44	0.49	128,128,128,128	0
56	MG	2B	217	1/1	0.45	0.34	177,177,177,177	0
56	MG	1a	1725	1/1	0.45	0.33	117,117,117,117	0
56	MG	1a	1843	1/1	0.45	0.48	281,281,281,281	0
56	MG	2m	203	1/1	0.45	0.10	238,238,238,238	0
56	MG	1a	1908	1/1	0.45	0.84	131,131,131,131	0
56	MG	2A	3097	1/1	0.46	0.53	99,99,99,99	0
56	MG	2A	3536	1/1	0.46	0.78	123,123,123,123	0
56	MG	2a	1607	1/1	0.46	0.60	142,142,142,142	0
56	MG	2A	3531	1/1	0.46	0.28	138,138,138,138	0
56	MG	2B	227	1/1	0.46	0.39	132,132,132,132	0
56	MG	1a	1910	1/1	0.46	0.50	127,127,127,127	0
56	MG	2A	3248	1/1	0.46	0.51	123,123,123,123	0
56	MG	23	103	1/1	0.47	0.41	112,112,112,112	0
56	MG	1A	4518	1/1	0.47	0.91	122,122,122,122	0
56	MG	2u	103	1/1	0.47	0.20	238,238,238,238	0
56	MG	2s	102	1/1	0.47	0.42	247,247,247,247	0
56	MG	2A	3631	1/1	0.47	0.37	113,113,113,113	0
56	MG	1A	4052	1/1	0.47	0.59	92,92,92,92	0
56	MG	2A	3538	1/1	0.47	0.21	134,134,134,134	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	2e	202	1/1	0.47	0.21	153,153,153,153	0
56	MG	2a	1654	1/1	0.47	0.35	132,132,132,132	0
56	MG	1A	4307	1/1	0.47	0.52	96,96,96,96	0
56	MG	1n	102	1/1	0.48	0.32	210,210,210,210	0
56	MG	2A	3770	1/1	0.48	0.76	87,87,87,87	0
56	MG	1A	4054	1/1	0.48	0.81	95,95,95,95	0
56	MG	2a	1716	1/1	0.48	0.95	135,135,135,135	0
56	MG	2B	224	1/1	0.48	0.20	128,128,128,128	0
56	MG	2A	3087	1/1	0.48	0.37	121,121,121,121	0
56	MG	1a	1906	1/1	0.49	0.44	121,121,121,121	0
56	MG	2A	3116	1/1	0.49	1.38	127,127,127,127	0
56	MG	2a	1668	1/1	0.49	1.01	151,151,151,151	0
56	MG	1n	101	1/1	0.49	0.20	207,207,207,207	0
56	MG	2A	3385	1/1	0.49	0.36	120,120,120,120	0
56	MG	2y	101	1/1	0.49	0.52	154,154,154,154	0
56	MG	1g	302	1/1	0.49	0.33	194,194,194,194	0
56	MG	1A	4060	1/1	0.49	0.56	72,72,72,72	0
56	MG	2F	303	1/1	0.50	0.57	126,126,126,126	0
56	MG	2u	101	1/1	0.50	0.69	221,221,221,221	0
56	MG	2A	3016	1/1	0.50	0.95	118,118,118,118	0
56	MG	2y	109	1/1	0.50	0.27	247,247,247,247	0
56	MG	1a	1900	1/1	0.50	0.30	134,134,134,134	0
56	MG	2A	3556	1/1	0.50	0.59	96,96,96,96	0
56	MG	1A	4889	1/1	0.51	0.51	61,61,61,61	0
56	MG	2B	232	1/1	0.51	0.52	144,144,144,144	0
56	MG	2a	1786	1/1	0.52	0.53	234,234,234,234	0
56	MG	1A	4891	1/1	0.52	0.34	109,109,109,109	0
56	MG	1B	223	1/1	0.52	0.57	97,97,97,97	0
56	MG	2a	1627	1/1	0.52	0.51	153,153,153,153	0
56	MG	2A	3282	1/1	0.52	0.37	107,107,107,107	0
56	MG	1A	4790	1/1	0.52	0.48	99,99,99,99	0
56	MG	2a	1909	1/1	0.52	0.22	225,225,225,225	0
56	MG	1a	1634	1/1	0.53	0.60	117,117,117,117	0
56	MG	2A	3421	1/1	0.53	0.26	146,146,146,146	0
56	MG	2A	3590	1/1	0.53	0.29	171,171,171,171	0
56	MG	1a	1706	1/1	0.53	0.65	103,103,103,103	0
56	MG	2A	3562	1/1	0.53	0.40	90,90,90,90	0
56	MG	2A	3579	1/1	0.53	0.68	115,115,115,115	0
56	MG	2a	1826	1/1	0.54	0.52	162,162,162,162	0
56	MG	1A	4756	1/1	0.54	0.75	106,106,106,106	0
56	MG	2m	201	1/1	0.54	0.89	166,166,166,166	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	1A	5014	1/1	0.54	0.42	71,71,71,71	0
56	MG	1A	4048	1/1	0.54	0.66	103,103,103,103	0
56	MG	2a	1794	1/1	0.54	0.67	168,168,168,168	0
56	MG	2A	3833	1/1	0.54	0.22	111,111,111,111	0
56	MG	2A	3817	1/1	0.54	0.21	139,139,139,139	0
56	MG	1A	4282	1/1	0.54	0.51	69,69,69,69	0
56	MG	1A	4809	1/1	0.54	0.99	58,58,58,58	0
56	MG	2a	1768	1/1	0.55	0.43	260,260,260,260	0
56	MG	2a	1735	1/1	0.55	0.43	132,132,132,132	0
56	MG	2a	1789	1/1	0.55	0.35	233,233,233,233	0
56	MG	1a	1895	1/1	0.55	0.38	121,121,121,121	0
56	MG	1a	1682	1/1	0.55	0.62	197,197,197,197	0
56	MG	2h	202	1/1	0.55	0.11	180,180,180,180	0
56	MG	2B	201	1/1	0.55	0.37	115,115,115,115	0
56	MG	2i	204	1/1	0.55	0.48	241,241,241,241	0
56	MG	2a	1636	1/1	0.56	0.38	150,150,150,150	0
56	MG	1A	4452	1/1	0.56	0.29	64,64,64,64	0
56	MG	1A	4259	1/1	0.56	0.46	61,61,61,61	0
56	MG	2x	103	1/1	0.56	0.57	192,192,192,192	0
56	MG	2A	3206	1/1	0.56	0.48	120,120,120,120	0
56	MG	2A	3137	1/1	0.57	0.42	134,134,134,134	0
56	MG	2A	3502	1/1	0.57	0.46	104,104,104,104	0
56	MG	2A	3284	1/1	0.57	0.43	97,97,97,97	0
56	MG	2A	3832	1/1	0.57	0.27	121,121,121,121	0
56	MG	1A	4038	1/1	0.57	0.58	81,81,81,81	0
56	MG	2O	301	1/1	0.57	0.15	136,136,136,136	0
56	MG	23	102	1/1	0.57	0.34	124,124,124,124	0
56	MG	2o	301	1/1	0.57	0.67	118,118,118,118	0
56	MG	1a	1709	1/1	0.58	0.32	107,107,107,107	0
56	MG	2g	206	1/1	0.58	0.53	216,216,216,216	0
56	MG	1a	1780	1/1	0.58	0.83	124,124,124,124	0
56	MG	1a	1731	1/1	0.58	0.26	136,136,136,136	0
56	MG	2A	3403	1/1	0.58	0.61	219,219,219,219	0
56	MG	2a	1885	1/1	0.59	0.32	162,162,162,162	0
56	MG	2A	3329	1/1	0.59	0.51	87,87,87,87	0
56	MG	1a	1792	1/1	0.59	0.62	105,105,105,105	0
56	MG	1b	301	1/1	0.59	0.18	165,165,165,165	0
56	MG	2A	3762	1/1	0.59	0.23	124,124,124,124	0
56	MG	1A	4519	1/1	0.59	0.66	94,94,94,94	0
56	MG	1a	1835	1/1	0.60	0.07	221,221,221,221	0
56	MG	1A	4323	1/1	0.60	0.76	85,85,85,85	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	1A	4723	1/1	0.60	0.37	77,77,77,77	0
56	MG	2a	1758	1/1	0.60	0.54	205,205,205,205	0
56	MG	2A	3257	1/1	0.60	0.48	87,87,87,87	0
56	MG	2a	1617	1/1	0.60	0.44	127,127,127,127	0
56	MG	2B	205	1/1	0.60	0.35	119,119,119,119	0
56	MG	1s	102	1/1	0.60	0.07	229,229,229,229	0
56	MG	2a	1737	1/1	0.60	0.29	132,132,132,132	0
56	MG	2v	703	1/1	0.60	0.25	154,154,154,154	0
56	MG	2a	1624	1/1	0.60	0.38	137,137,137,137	0
56	MG	2B	216	1/1	0.60	0.44	174,174,174,174	0
56	MG	28	101	1/1	0.60	1.11	109,109,109,109	0
56	MG	1A	4343	1/1	0.60	0.29	71,71,71,71	0
56	MG	1A	4301	1/1	0.60	0.81	102,102,102,102	0
56	MG	2a	1722	1/1	0.60	0.81	141,141,141,141	0
56	MG	2A	3761	1/1	0.60	0.37	126,126,126,126	0
56	MG	2A	3030	1/1	0.60	0.96	97,97,97,97	0
56	MG	2a	1753	1/1	0.60	0.46	138,138,138,138	0
56	MG	2a	1893	1/1	0.60	0.82	123,123,123,123	0
56	MG	2A	3402	1/1	0.61	0.44	112,112,112,112	0
56	MG	1a	1653	1/1	0.61	0.34	119,119,119,119	0
56	MG	2A	3350	1/1	0.61	0.45	104,104,104,104	0
56	MG	1m	201	1/1	0.61	0.63	216,216,216,216	0
56	MG	2a	1756	1/1	0.61	0.35	205,205,205,205	0
56	MG	2A	3735	1/1	0.61	0.52	101,101,101,101	0
56	MG	2a	1868	1/1	0.61	0.35	144,144,144,144	0
56	MG	2x	106	1/1	0.62	0.26	211,211,211,211	0
56	MG	2a	1913	1/1	0.62	0.24	246,246,246,246	0
56	MG	1a	1615	1/1	0.62	0.61	92,92,92,92	0
56	MG	2B	230	1/1	0.62	0.59	151,151,151,151	0
56	MG	1a	1913	1/1	0.62	0.40	97,97,97,97	0
56	MG	2A	3020	1/1	0.63	0.68	103,103,103,103	0
56	MG	2A	3193	1/1	0.63	0.59	107,107,107,107	0
56	MG	1a	1875	1/1	0.63	0.63	118,118,118,118	0
56	MG	28	104	1/1	0.63	0.17	110,110,110,110	0
56	MG	2a	1780	1/1	0.63	0.46	211,211,211,211	0
56	MG	2F	302	1/1	0.63	0.33	90,90,90,90	0
56	MG	2v	701	1/1	0.63	0.45	171,171,171,171	0
56	MG	2a	1666	1/1	0.63	0.43	133,133,133,133	0
56	MG	1o	101	1/1	0.63	0.38	113,113,113,113	0
56	MG	2l	202	1/1	0.64	0.27	150,150,150,150	0
56	MG	2A	3763	1/1	0.64	0.36	133,133,133,133	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	2A	3208	1/1	0.64	0.25	118,118,118,118	0
56	MG	2A	3546	1/1	0.64	0.40	97,97,97,97	0
56	MG	2A	3689	1/1	0.64	0.27	161,161,161,161	0
56	MG	2A	3566	1/1	0.64	0.36	114,114,114,114	0
56	MG	2a	1754	1/1	0.64	0.56	148,148,148,148	0
56	MG	2a	1734	1/1	0.64	0.29	127,127,127,127	0
56	MG	1A	4550	1/1	0.64	0.62	89,89,89,89	0
56	MG	2A	3112	1/1	0.64	0.97	136,136,136,136	0
56	MG	2A	3440	1/1	0.64	0.61	99,99,99,99	0
56	MG	1A	4138	1/1	0.64	0.36	72,72,72,72	0
56	MG	2A	3529	1/1	0.64	0.47	118,118,118,118	0
56	MG	1a	1649	1/1	0.65	0.74	105,105,105,105	0
56	MG	2A	3802	1/1	0.65	0.36	108,108,108,108	0
56	MG	2a	1771	1/1	0.65	0.25	178,178,178,178	0
56	MG	2A	3383	1/1	0.65	0.40	100,100,100,100	0
56	MG	2A	3583	1/1	0.65	1.00	122,122,122,122	0
56	MG	2A	3831	1/1	0.65	0.35	128,128,128,128	0
56	MG	2a	1773	1/1	0.65	0.32	228,228,228,228	0
56	MG	2A	3423	1/1	0.65	0.16	130,130,130,130	0
56	MG	2A	3724	1/1	0.65	0.43	91,91,91,91	0
56	MG	2A	3094	1/1	0.66	0.55	113,113,113,113	0
56	MG	1A	4806	1/1	0.66	0.31	73,73,73,73	0
56	MG	1A	4291	1/1	0.66	0.59	71,71,71,71	0
56	MG	1a	1684	1/1	0.66	0.91	202,202,202,202	0
56	MG	2A	3027	1/1	0.66	1.06	123,123,123,123	0
56	MG	1A	4678	1/1	0.66	0.52	86,86,86,86	0
56	MG	1B	205	1/1	0.66	0.41	87,87,87,87	0
56	MG	2A	3612	1/1	0.66	0.43	136,136,136,136	0
56	MG	2a	1710	1/1	0.66	1.10	131,131,131,131	0
56	MG	2A	3758	1/1	0.66	0.09	211,211,211,211	0
56	MG	1A	4662	1/1	0.66	0.61	87,87,87,87	0
56	MG	2a	1711	1/1	0.66	0.37	149,149,149,149	0
56	MG	2x	104	1/1	0.66	0.41	219,219,219,219	0
56	MG	2A	3577	1/1	0.66	0.40	143,143,143,143	0
56	MG	1D	308	1/1	0.66	0.72	77,77,77,77	0
56	MG	2A	3614	1/1	0.67	0.40	102,102,102,102	0
56	MG	2c	301	1/1	0.67	0.17	225,225,225,225	0
56	MG	1a	1765	1/1	0.67	0.72	125,125,125,125	0
56	MG	2A	3263	1/1	0.67	0.67	89,89,89,89	0
56	MG	2A	3351	1/1	0.67	0.49	146,146,146,146	0
56	MG	1a	1810	1/1	0.67	0.98	100,100,100,100	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	2a	1732	1/1	0.67	0.43	110,110,110,110	0
56	MG	1A	4699	1/1	0.67	0.48	75,75,75,75	0
56	MG	2a	1697	1/1	0.67	0.24	136,136,136,136	0
56	MG	2A	3461	1/1	0.67	0.41	111,111,111,111	0
56	MG	2A	3808	1/1	0.67	0.55	173,173,173,173	0
56	MG	1A	5035	1/1	0.67	0.57	68,68,68,68	0
56	MG	2A	3076	1/1	0.67	0.93	113,113,113,113	0
56	MG	2A	3645	1/1	0.67	0.30	116,116,116,116	0
56	MG	2h	201	1/1	0.67	0.14	179,179,179,179	0
56	MG	1a	1845	1/1	0.67	0.46	234,234,234,234	0
56	MG	2E	302	1/1	0.67	0.28	96,96,96,96	0
56	MG	2A	3136	1/1	0.67	0.50	110,110,110,110	0
56	MG	2a	1634	1/1	0.67	0.44	120,120,120,120	0
56	MG	2y	108	1/1	0.67	0.33	245,245,245,245	0
56	MG	2A	3537	1/1	0.67	0.17	73,73,73,73	0
56	MG	2g	204	1/1	0.67	0.28	216,216,216,216	0
56	MG	2A	3615	1/1	0.67	0.60	138,138,138,138	0
56	MG	1A	4861	1/1	0.67	0.63	85,85,85,85	0
56	MG	1u	101	1/1	0.67	0.29	211,211,211,211	0
56	MG	1A	4027	1/1	0.67	0.68	62,62,62,62	0
56	MG	1a	1807	1/1	0.68	0.36	100,100,100,100	0
56	MG	1a	1805	1/1	0.68	1.08	140,140,140,140	0
56	MG	2a	1798	1/1	0.68	0.35	239,239,239,239	0
56	MG	2y	103	1/1	0.68	0.59	223,223,223,223	0
56	MG	2a	1921	1/1	0.68	0.50	152,152,152,152	0
56	MG	1A	4535	1/1	0.68	0.49	77,77,77,77	0
56	MG	1a	1794	1/1	0.68	0.93	84,84,84,84	0
56	MG	2A	3407	1/1	0.68	0.18	117,117,117,117	0
56	MG	1A	4691	1/1	0.68	0.33	81,81,81,81	0
56	MG	2A	3828	1/1	0.68	0.44	126,126,126,126	0
56	MG	2a	1805	1/1	0.68	0.89	114,114,114,114	0
56	MG	2A	3205	1/1	0.68	0.26	122,122,122,122	0
56	MG	1A	4288	1/1	0.68	0.71	74,74,74,74	0
56	MG	1a	1863	1/1	0.68	0.66	215,215,215,215	0
56	MG	1A	4970	1/1	0.68	0.35	89,89,89,89	0
56	MG	2B	221	1/1	0.68	0.55	122,122,122,122	0
56	MG	1D	306	1/1	0.68	1.01	69,69,69,69	0
56	MG	1A	5055	1/1	0.68	0.26	133,133,133,133	0
56	MG	1A	4973	1/1	0.68	0.49	80,80,80,80	0
56	MG	1a	1704	1/1	0.69	0.55	125,125,125,125	0
56	MG	1a	1739	1/1	0.69	0.25	144,144,144,144	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	2A	3464	1/1	0.69	1.00	129,129,129,129	0
56	MG	2a	1718	1/1	0.69	0.65	136,136,136,136	0
56	MG	1A	4859	1/1	0.69	0.29	72,72,72,72	0
56	MG	1a	1738	1/1	0.69	0.41	148,148,148,148	0
56	MG	1a	1645	1/1	0.69	0.26	127,127,127,127	0
56	MG	2A	3395	1/1	0.69	0.30	128,128,128,128	0
56	MG	1A	4633	1/1	0.69	0.43	71,71,71,71	0
56	MG	2A	3555	1/1	0.69	0.77	107,107,107,107	0
56	MG	1a	1831	1/1	0.69	0.40	152,152,152,152	0
56	MG	2A	3397	1/1	0.69	0.48	189,189,189,189	0
56	MG	2a	1622	1/1	0.69	0.50	156,156,156,156	0
56	MG	2A	3449	1/1	0.69	0.61	84,84,84,84	0
56	MG	2a	1812	1/1	0.69	0.30	126,126,126,126	0
56	MG	1a	1656	1/1	0.69	0.33	102,102,102,102	0
56	MG	2a	1625	1/1	0.69	0.52	148,148,148,148	0
56	MG	1B	206	1/1	0.69	0.21	71,71,71,71	0
56	MG	2P	203	1/1	0.69	0.67	113,113,113,113	0
56	MG	2A	3389	1/1	0.69	0.71	117,117,117,117	0
56	MG	1d	301	1/1	0.69	0.77	128,128,128,128	0
56	MG	1A	4600	1/1	0.69	0.58	78,78,78,78	0
56	MG	1A	4747	1/1	0.69	0.80	84,84,84,84	0
56	MG	2A	3388	1/1	0.69	0.31	117,117,117,117	0
56	MG	2A	3643	1/1	0.69	0.36	131,131,131,131	0
56	MG	1y	105	1/1	0.70	0.29	180,180,180,180	0
56	MG	2A	3717	1/1	0.70	0.29	108,108,108,108	0
56	MG	2A	3798	1/1	0.70	0.50	98,98,98,98	0
56	MG	1a	1786	1/1	0.70	0.37	119,119,119,119	0
56	MG	1A	4714	1/1	0.70	0.61	99,99,99,99	0
56	MG	1A	4285	1/1	0.70	0.51	62,62,62,62	0
56	MG	1A	4303	1/1	0.70	0.28	87,87,87,87	0
56	MG	2A	3476	1/1	0.70	0.47	116,116,116,116	0
56	MG	1a	1915	1/1	0.70	0.19	134,134,134,134	0
56	MG	2A	3091	1/1	0.70	0.68	112,112,112,112	0
56	MG	1A	4706	1/1	0.70	0.44	68,68,68,68	0
56	MG	2A	3199	1/1	0.70	0.29	111,111,111,111	0
56	MG	2a	1910	1/1	0.70	0.19	240,240,240,240	0
56	MG	2A	3398	1/1	0.70	0.40	155,155,155,155	0
56	MG	1a	1909	1/1	0.70	0.57	136,136,136,136	0
56	MG	1O	204	1/1	0.70	2.09	87,87,87,87	0
56	MG	1a	1611	1/1	0.71	0.34	99,99,99,99	0
56	MG	2A	3412	1/1	0.71	0.27	105,105,105,105	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	2a	1676	1/1	0.71	0.45	163,163,163,163	0
56	MG	2A	3647	1/1	0.71	0.86	108,108,108,108	0
56	MG	1a	1844	1/1	0.71	0.37	270,270,270,270	0
56	MG	1a	1629	1/1	0.71	0.81	101,101,101,101	0
56	MG	1a	1672	1/1	0.71	0.28	99,99,99,99	0
56	MG	1A	4935	1/1	0.71	0.35	67,67,67,67	0
56	MG	2g	205	1/1	0.71	0.22	211,211,211,211	0
56	MG	2A	3826	1/1	0.71	0.57	114,114,114,114	0
56	MG	2A	3477	1/1	0.71	0.49	126,126,126,126	0
56	MG	12	101	1/1	0.71	0.50	84,84,84,84	0
56	MG	2A	3675	1/1	0.71	0.57	123,123,123,123	0
56	MG	1A	4888	1/1	0.71	0.43	69,69,69,69	0
56	MG	1a	1884	1/1	0.71	0.39	122,122,122,122	0
56	MG	2A	3548	1/1	0.71	0.25	104,104,104,104	0
56	MG	1A	4639	1/1	0.71	0.45	71,71,71,71	0
56	MG	1a	1814	1/1	0.71	0.27	158,158,158,158	0
56	MG	2A	3591	1/1	0.71	0.52	191,191,191,191	0
56	MG	2a	1673	1/1	0.71	0.88	167,167,167,167	0
56	MG	1A	5033	1/1	0.71	0.80	68,68,68,68	0
56	MG	2A	3811	1/1	0.72	0.32	115,115,115,115	0
56	MG	1a	1763	1/1	0.72	0.58	109,109,109,109	0
56	MG	2A	3572	1/1	0.72	0.53	182,182,182,182	0
56	MG	2A	3155	1/1	0.72	0.50	100,100,100,100	0
56	MG	2A	3472	1/1	0.72	0.51	99,99,99,99	0
56	MG	2A	3272	1/1	0.72	0.54	81,81,81,81	0
56	MG	2A	3613	1/1	0.72	0.24	122,122,122,122	0
56	MG	20	101	1/1	0.72	0.39	128,128,128,128	0
56	MG	2A	3752	1/1	0.72	0.39	117,117,117,117	0
56	MG	1a	1860	1/1	0.72	0.11	214,214,214,214	0
56	MG	19	101	1/1	0.72	0.28	71,71,71,71	0
56	MG	2A	3754	1/1	0.72	0.16	121,121,121,121	0
56	MG	2A	3173	1/1	0.72	0.38	87,87,87,87	0
56	MG	1A	4604	1/1	0.72	0.28	67,67,67,67	0
56	MG	2A	3719	1/1	0.72	0.47	134,134,134,134	0
56	MG	2x	102	1/1	0.72	1.07	107,107,107,107	0
56	MG	2A	3337	1/1	0.72	0.49	91,91,91,91	0
56	MG	1a	1707	1/1	0.72	0.20	125,125,125,125	0
56	MG	2A	3151	1/1	0.72	0.54	97,97,97,97	0
56	MG	2a	1609	1/1	0.72	0.93	138,138,138,138	0
56	MG	2A	3160	1/1	0.73	1.40	103,103,103,103	0
56	MG	2a	1608	1/1	0.73	0.81	135,135,135,135	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	1A	4330	1/1	0.73	0.31	77,77,77,77	0
56	MG	1A	4521	1/1	0.73	0.57	79,79,79,79	0
56	MG	2A	3333	1/1	0.73	0.26	98,98,98,98	0
56	MG	2a	1845	1/1	0.73	0.20	229,229,229,229	0
56	MG	1a	1859	1/1	0.73	0.27	207,207,207,207	0
56	MG	2A	3624	1/1	0.73	0.64	156,156,156,156	0
56	MG	2A	3486	1/1	0.73	0.44	141,141,141,141	0
56	MG	2A	3509	1/1	0.73	0.33	93,93,93,93	0
56	MG	2A	3451	1/1	0.73	0.43	99,99,99,99	0
56	MG	2a	1648	1/1	0.73	0.74	124,124,124,124	0
56	MG	2A	3111	1/1	0.73	0.72	137,137,137,137	0
56	MG	1A	4927	1/1	0.73	0.49	87,87,87,87	0
56	MG	13	301	1/1	0.73	0.45	65,65,65,65	0
56	MG	2A	3611	1/1	0.73	0.29	141,141,141,141	0
56	MG	1A	4549	1/1	0.73	0.62	125,125,125,125	0
56	MG	2A	3073	1/1	0.73	0.27	127,127,127,127	0
56	MG	2a	1657	1/1	0.73	0.32	138,138,138,138	0
56	MG	2A	3191	1/1	0.73	0.47	92,92,92,92	0
56	MG	1A	4178	1/1	0.73	0.21	60,60,60,60	0
56	MG	2a	1748	1/1	0.73	0.64	114,114,114,114	0
56	MG	2a	1606	1/1	0.73	0.72	137,137,137,137	0
56	MG	2a	1703	1/1	0.73	0.34	157,157,157,157	0
56	MG	1A	5053	1/1	0.73	0.25	275,275,275,275	0
56	MG	2A	3753	1/1	0.73	0.35	97,97,97,97	0
56	MG	2a	1639	1/1	0.73	0.28	141,141,141,141	0
56	MG	2A	3372	1/1	0.73	0.25	107,107,107,107	0
56	MG	2A	3428	1/1	0.73	0.18	166,166,166,166	0
56	MG	2A	3327	1/1	0.73	0.77	91,91,91,91	0
56	MG	2A	3025	1/1	0.73	1.33	118,118,118,118	0
56	MG	2Z	404	1/1	0.73	0.26	132,132,132,132	0
56	MG	2A	3066	1/1	0.73	0.32	125,125,125,125	0
56	MG	1A	4354	1/1	0.73	0.45	62,62,62,62	0
56	MG	1A	4012	1/1	0.73	0.81	71,71,71,71	0
56	MG	2a	1873	1/1	0.73	0.18	157,157,157,157	0
56	MG	2A	3508	1/1	0.74	0.28	97,97,97,97	0
56	MG	2A	3346	1/1	0.74	0.36	102,102,102,102	0
56	MG	2a	1610	1/1	0.74	0.38	141,141,141,141	0
56	MG	2A	3283	1/1	0.74	0.44	108,108,108,108	0
56	MG	2a	1623	1/1	0.74	0.22	182,182,182,182	0
56	MG	1a	1856	1/1	0.74	0.69	227,227,227,227	0
56	MG	1a	1687	1/1	0.74	0.36	118,118,118,118	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	2a	1713	1/1	0.74	0.92	143,143,143,143	0
56	MG	1A	5012	1/1	0.74	0.34	115,115,115,115	0
56	MG	1A	4715	1/1	0.74	0.27	90,90,90,90	0
56	MG	2A	3018	1/1	0.74	0.42	124,124,124,124	0
56	MG	1a	1864	1/1	0.74	0.39	211,211,211,211	0
56	MG	2a	1658	1/1	0.74	0.35	122,122,122,122	0
56	MG	1A	4677	1/1	0.74	0.78	102,102,102,102	0
56	MG	2A	3077	1/1	0.74	0.70	108,108,108,108	0
56	MG	1a	1857	1/1	0.74	0.20	211,211,211,211	0
56	MG	1y	106	1/1	0.74	0.27	173,173,173,173	0
56	MG	1A	4742	1/1	0.74	0.38	73,73,73,73	0
56	MG	1A	4960	1/1	0.74	0.46	91,91,91,91	0
56	MG	1A	4197	1/1	0.74	0.52	94,94,94,94	0
56	MG	2r	302	1/1	0.74	0.25	149,149,149,149	0
56	MG	2A	3521	1/1	0.74	0.71	105,105,105,105	0
56	MG	2a	1671	1/1	0.74	0.41	173,173,173,173	0
56	MG	1A	4788	1/1	0.74	0.76	107,107,107,107	0
56	MG	1a	1853	1/1	0.74	0.20	225,225,225,225	0
56	MG	1a	1834	1/1	0.74	0.29	210,210,210,210	0
56	MG	2A	3431	1/1	0.74	0.82	93,93,93,93	0
56	MG	1A	4304	1/1	0.74	0.63	81,81,81,81	0
56	MG	2A	3617	1/1	0.74	0.38	102,102,102,102	0
56	MG	2w	202	1/1	0.74	0.46	88,88,88,88	0
56	MG	2a	1804	1/1	0.74	0.37	107,107,107,107	0
56	MG	1A	4733	1/1	0.74	0.15	82,82,82,82	0
56	MG	2f	302	1/1	0.75	0.26	143,143,143,143	0
56	MG	1A	4948	1/1	0.75	0.70	62,62,62,62	0
56	MG	2d	301	1/1	0.75	0.51	147,147,147,147	0
56	MG	2A	3299	1/1	0.75	0.56	91,91,91,91	0
56	MG	2A	3176	1/1	0.75	0.99	114,114,114,114	0
56	MG	2a	1618	1/1	0.75	0.31	145,145,145,145	0
56	MG	2A	3470	1/1	0.75	0.61	104,104,104,104	0
56	MG	2A	3593	1/1	0.75	0.12	129,129,129,129	0
56	MG	10	101	1/1	0.75	0.43	64,64,64,64	0
56	MG	2Z	403	1/1	0.75	0.90	130,130,130,130	0
56	MG	1A	4538	1/1	0.75	0.84	83,83,83,83	0
56	MG	2A	3706	1/1	0.75	0.33	94,94,94,94	0
56	MG	2A	3789	1/1	0.75	0.61	97,97,97,97	0
56	MG	2A	3408	1/1	0.75	0.26	129,129,129,129	0
56	MG	2B	215	1/1	0.75	0.25	164,164,164,164	0
56	MG	1A	4900	1/1	0.75	0.33	81,81,81,81	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	1a	1796	1/1	0.75	0.36	105,105,105,105	0
56	MG	2A	3582	1/1	0.75	0.71	106,106,106,106	0
56	MG	2a	1688	1/1	0.75	0.48	153,153,153,153	0
56	MG	2A	3028	1/1	0.75	0.82	133,133,133,133	0
56	MG	1a	1912	1/1	0.75	1.11	131,131,131,131	0
56	MG	23	101	1/1	0.75	0.72	104,104,104,104	0
56	MG	1a	1688	1/1	0.75	0.67	131,131,131,131	0
56	MG	2a	1620	1/1	0.75	0.52	151,151,151,151	0
56	MG	1A	4182	1/1	0.75	0.30	58,58,58,58	0
56	MG	1A	4768	1/1	0.75	0.31	65,65,65,65	0
56	MG	2A	3783	1/1	0.75	0.79	139,139,139,139	0
56	MG	1A	4134	1/1	0.75	0.71	72,72,72,72	0
56	MG	2h	203	1/1	0.75	1.01	144,144,144,144	0
56	MG	2z	103	1/1	0.75	1.01	179,179,179,179	0
56	MG	1A	4762	1/1	0.75	0.49	71,71,71,71	0
56	MG	1A	4202	1/1	0.75	0.61	95,95,95,95	0
56	MG	2A	3307	1/1	0.75	1.09	92,92,92,92	0
56	MG	1A	4006	1/1	0.76	0.37	59,59,59,59	0
56	MG	1A	4966	1/1	0.76	0.48	83,83,83,83	0
56	MG	1B	212	1/1	0.76	0.62	87,87,87,87	0
56	MG	1a	1642	1/1	0.76	0.64	112,112,112,112	0
56	MG	1Z	305	1/1	0.76	0.35	72,72,72,72	0
56	MG	1A	4721	1/1	0.76	0.27	82,82,82,82	0
56	MG	2a	1791	1/1	0.76	0.50	239,239,239,239	0
56	MG	2a	1854	1/1	0.76	0.13	286,286,286,286	0
56	MG	2A	3738	1/1	0.76	0.29	96,96,96,96	0
56	MG	1A	4884	1/1	0.76	0.42	84,84,84,84	0
56	MG	1a	1752	1/1	0.76	0.44	128,128,128,128	0
56	MG	2a	1792	1/1	0.76	0.08	250,250,250,250	0
56	MG	1A	4622	1/1	0.76	0.38	115,115,115,115	0
56	MG	2A	3319	1/1	0.76	0.64	87,87,87,87	0
56	MG	1a	1742	1/1	0.76	0.54	106,106,106,106	0
56	MG	2a	1881	1/1	0.76	0.40	171,171,171,171	0
56	MG	1A	4609	1/1	0.76	0.39	70,70,70,70	0
56	MG	2B	218	1/1	0.76	0.44	171,171,171,171	0
56	MG	1a	1837	1/1	0.76	0.28	226,226,226,226	0
56	MG	1a	1901	1/1	0.76	0.22	113,113,113,113	0
56	MG	1A	4767	1/1	0.76	0.32	80,80,80,80	0
56	MG	2A	3539	1/1	0.76	0.17	125,125,125,125	0
56	MG	2e	201	1/1	0.76	0.52	122,122,122,122	0
56	MG	2a	1918	1/1	0.76	0.58	138,138,138,138	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	1a	1751	1/1	0.76	0.28	131,131,131,131	0
56	MG	1a	1708	1/1	0.76	0.13	108,108,108,108	0
56	MG	2a	1628	1/1	0.76	0.41	161,161,161,161	0
56	MG	1a	1820	1/1	0.76	0.32	205,205,205,205	0
56	MG	1a	1898	1/1	0.76	1.10	108,108,108,108	0
56	MG	1A	4546	1/1	0.76	0.57	104,104,104,104	0
56	MG	1a	1659	1/1	0.76	0.24	118,118,118,118	0
56	MG	1P	202	1/1	0.76	0.70	60,60,60,60	0
56	MG	1A	4764	1/1	0.76	0.52	64,64,64,64	0
56	MG	1A	4780	1/1	0.76	0.14	76,76,76,76	0
56	MG	1A	4746	1/1	0.76	0.29	76,76,76,76	0
56	MG	1A	4428	1/1	0.76	1.28	59,59,59,59	0
56	MG	1A	4736	1/1	0.77	0.28	61,61,61,61	0
56	MG	1A	4373	1/1	0.77	0.42	64,64,64,64	0
56	MG	2a	1675	1/1	0.77	0.32	166,166,166,166	0
56	MG	1a	1833	1/1	0.77	0.28	201,201,201,201	0
56	MG	1A	4329	1/1	0.77	0.31	73,73,73,73	0
56	MG	2a	1769	1/1	0.77	0.31	269,269,269,269	0
56	MG	1A	4361	1/1	0.77	0.25	84,84,84,84	0
56	MG	2A	3482	1/1	0.77	0.49	117,117,117,117	0
56	MG	10	104	1/1	0.77	0.42	79,79,79,79	0
56	MG	2A	3801	1/1	0.77	0.13	128,128,128,128	0
56	MG	2A	3204	1/1	0.77	0.55	111,111,111,111	0
56	MG	2a	1757	1/1	0.77	0.28	211,211,211,211	0
56	MG	1A	4242	1/1	0.77	0.38	71,71,71,71	0
56	MG	1a	1812	1/1	0.77	0.33	88,88,88,88	0
56	MG	2a	1790	1/1	0.77	0.13	249,249,249,249	0
56	MG	2B	203	1/1	0.77	0.54	131,131,131,131	0
56	MG	2A	3305	1/1	0.77	0.69	128,128,128,128	0
56	MG	2B	204	1/1	0.77	0.25	130,130,130,130	0
56	MG	1a	1852	1/1	0.77	0.53	224,224,224,224	0
56	MG	1a	1867	1/1	0.77	0.11	227,227,227,227	0
56	MG	2A	3174	1/1	0.77	0.38	109,109,109,109	0
56	MG	2D	301	1/1	0.77	0.33	74,74,74,74	0
56	MG	1A	4895	1/1	0.77	1.00	59,59,59,59	0
56	MG	1A	4075	1/1	0.77	0.58	83,83,83,83	0
56	MG	1a	1621	1/1	0.77	0.81	97,97,97,97	0
56	MG	20	104	1/1	0.77	0.14	122,122,122,122	0
56	MG	1A	5052	1/1	0.77	0.39	267,267,267,267	0
56	MG	1A	4647	1/1	0.77	0.34	68,68,68,68	0
56	MG	2A	3107	1/1	0.77	0.45	166,166,166,166	0
56	MG	1A	4121	1/1	0.78	0.49	81,81,81,81	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	1A	4933	1/1	0.78	0.65	102,102,102,102	0
56	MG	1B	214	1/1	0.78	0.48	69,69,69,69	0
56	MG	2A	3695	1/1	0.78	0.62	84,84,84,84	0
56	MG	1A	4068	1/1	0.78	0.73	84,84,84,84	0
56	MG	1g	301	1/1	0.78	0.21	186,186,186,186	0
56	MG	2a	1824	1/1	0.78	0.37	158,158,158,158	0
56	MG	2A	3442	1/1	0.78	0.38	108,108,108,108	0
56	MG	1A	4500	1/1	0.78	0.39	69,69,69,69	0
56	MG	1a	1840	1/1	0.78	0.09	237,237,237,237	0
56	MG	1a	1865	1/1	0.78	0.08	224,224,224,224	0
56	MG	2A	3576	1/1	0.78	0.38	151,151,151,151	0
56	MG	2a	1683	1/1	0.78	0.82	158,158,158,158	0
56	MG	2a	1821	1/1	0.78	0.20	143,143,143,143	0
56	MG	2A	3800	1/1	0.78	0.87	151,151,151,151	0
56	MG	2A	3739	1/1	0.78	0.69	103,103,103,103	0
56	MG	2A	3084	1/1	0.78	0.50	115,115,115,115	0
56	MG	2a	1733	1/1	0.78	0.18	125,125,125,125	0
56	MG	2A	3146	1/1	0.78	0.61	87,87,87,87	0
56	MG	1A	4540	1/1	0.78	0.35	77,77,77,77	0
56	MG	1a	1606	1/1	0.78	0.15	115,115,115,115	0
56	MG	2A	3105	1/1	0.78	0.53	155,155,155,155	0
56	MG	2A	3834	1/1	0.78	0.14	115,115,115,115	0
56	MG	1A	4765	1/1	0.78	0.67	60,60,60,60	0
56	MG	2a	1696	1/1	0.78	0.35	161,161,161,161	0
56	MG	2a	1651	1/1	0.78	0.14	142,142,142,142	0
56	MG	1a	1745	1/1	0.78	0.52	122,122,122,122	0
56	MG	1A	4297	1/1	0.78	0.39	99,99,99,99	0
56	MG	2a	1912	1/1	0.78	0.42	137,137,137,137	0
56	MG	2A	3781	1/1	0.78	0.20	80,80,80,80	0
56	MG	2A	3181	1/1	0.78	0.32	114,114,114,114	0
56	MG	1a	1911	1/1	0.78	0.78	105,105,105,105	0
56	MG	1A	4985	1/1	0.78	0.99	73,73,73,73	0
56	MG	2T	301	1/1	0.78	0.20	124,124,124,124	0
56	MG	2A	3021	1/1	0.78	0.96	112,112,112,112	0
56	MG	2A	3416	1/1	0.78	0.37	114,114,114,114	0
56	MG	2q	201	1/1	0.78	0.57	124,124,124,124	0
56	MG	2h	204	1/1	0.78	0.13	164,164,164,164	0
56	MG	2a	1905	1/1	0.78	0.97	218,218,218,218	0
56	MG	2A	3244	1/1	0.78	0.24	104,104,104,104	0
56	MG	2A	3338	1/1	0.78	0.37	86,86,86,86	0
56	MG	2a	1604	1/1	0.78	0.18	148,148,148,148	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	1A	4009	1/1	0.78	0.79	79,79,79,79	0
56	MG	2A	3661	1/1	0.78	0.27	105,105,105,105	0
56	MG	2A	3302	1/1	0.78	0.53	100,100,100,100	0
56	MG	1a	1705	1/1	0.78	0.36	122,122,122,122	0
56	MG	2A	3747	1/1	0.78	0.25	107,107,107,107	0
56	MG	1A	4689	1/1	0.78	0.26	89,89,89,89	0
56	MG	1A	4579	1/1	0.78	0.34	56,56,56,56	0
56	MG	2A	3131	1/1	0.78	1.02	130,130,130,130	0
56	MG	2A	3161	1/1	0.78	1.06	100,100,100,100	0
56	MG	1a	1850	1/1	0.78	0.76	113,113,113,113	0
56	MG	2a	1700	1/1	0.79	0.73	140,140,140,140	0
56	MG	1A	4750	1/1	0.79	0.37	68,68,68,68	0
56	MG	2A	3034	1/1	0.79	0.86	100,100,100,100	0
56	MG	2a	1901	1/1	0.79	0.90	171,171,171,171	0
56	MG	2A	3194	1/1	0.79	0.17	109,109,109,109	0
56	MG	1P	203	1/1	0.79	0.23	68,68,68,68	0
56	MG	1d	305	1/1	0.79	0.26	142,142,142,142	0
56	MG	1A	4681	1/1	0.79	0.25	67,67,67,67	0
56	MG	1A	4464	1/1	0.79	0.43	66,66,66,66	0
56	MG	1A	5006	1/1	0.79	0.81	74,74,74,74	0
56	MG	1A	4327	1/1	0.79	0.31	66,66,66,66	0
56	MG	2A	3841	1/1	0.79	0.32	146,146,146,146	0
56	MG	1A	5054	1/1	0.79	0.30	142,142,142,142	0
56	MG	2a	1663	1/1	0.79	0.79	143,143,143,143	0
56	MG	1A	4047	1/1	0.79	0.44	69,69,69,69	0
56	MG	1a	1686	1/1	0.79	0.18	116,116,116,116	0
56	MG	1A	4667	1/1	0.79	0.24	75,75,75,75	0
56	MG	2A	3805	1/1	0.79	0.26	100,100,100,100	0
56	MG	1A	4153	1/1	0.79	0.29	55,55,55,55	0
56	MG	2x	107	1/1	0.79	1.42	131,131,131,131	0
56	MG	1A	4772	1/1	0.79	0.46	70,70,70,70	0
56	MG	2A	3019	1/1	0.79	0.90	112,112,112,112	0
56	MG	2A	3512	1/1	0.79	0.42	94,94,94,94	0
56	MG	1A	4950	1/1	0.79	0.22	61,61,61,61	0
56	MG	1A	4036	1/1	0.79	0.72	76,76,76,76	0
56	MG	27	101	1/1	0.79	0.63	90,90,90,90	0
56	MG	2a	1876	1/1	0.79	0.32	147,147,147,147	0
56	MG	1A	4616	1/1	0.79	0.23	86,86,86,86	0
57	ZN	2Y	203	1/1	0.79	0.08	153,153,153,153	0
56	MG	1Q	201	1/1	0.79	0.44	70,70,70,70	0
56	MG	1y	101	1/1	0.79	0.33	87,87,87,87	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	1A	4511	1/1	0.79	0.39	68,68,68,68	0
56	MG	1A	5051	1/1	0.79	0.20	192,192,192,192	0
56	MG	2A	3465	1/1	0.79	0.64	129,129,129,129	0
56	MG	2A	3057	1/1	0.79	0.73	96,96,96,96	0
56	MG	1a	1622	1/1	0.79	0.98	99,99,99,99	0
56	MG	2a	1745	1/1	0.79	0.16	162,162,162,162	0
56	MG	1b	304	1/1	0.79	0.44	173,173,173,173	0
56	MG	1A	4042	1/1	0.79	0.29	58,58,58,58	0
56	MG	1A	4404	1/1	0.80	0.55	70,70,70,70	0
56	MG	2a	1678	1/1	0.80	0.41	167,167,167,167	0
56	MG	1A	4822	1/1	0.80	0.61	82,82,82,82	0
56	MG	2A	3133	1/1	0.80	1.15	143,143,143,143	0
56	MG	2a	1682	1/1	0.80	0.66	131,131,131,131	0
56	MG	2A	3550	1/1	0.80	0.21	104,104,104,104	0
56	MG	2A	3745	1/1	0.80	0.44	112,112,112,112	0
56	MG	1a	1666	1/1	0.80	0.32	116,116,116,116	0
56	MG	2i	203	1/1	0.80	0.12	234,234,234,234	0
56	MG	1A	4621	1/1	0.80	0.55	114,114,114,114	0
56	MG	2a	1775	1/1	0.80	0.30	208,208,208,208	0
56	MG	1A	4696	1/1	0.80	0.26	72,72,72,72	0
56	MG	2A	3608	1/1	0.80	0.21	111,111,111,111	0
56	MG	2A	3312	1/1	0.80	0.33	129,129,129,129	0
56	MG	2A	3732	1/1	0.80	0.32	95,95,95,95	0
56	MG	2a	1808	1/1	0.80	0.56	102,102,102,102	0
56	MG	2A	3713	1/1	0.80	0.19	112,112,112,112	0
56	MG	1a	1829	1/1	0.80	0.11	194,194,194,194	0
56	MG	1R	203	1/1	0.80	0.90	52,52,52,52	0
56	MG	1A	4917	1/1	0.80	1.15	62,62,62,62	0
56	MG	1a	1819	1/1	0.80	0.34	204,204,204,204	0
56	MG	1A	4275	1/1	0.80	0.33	65,65,65,65	0
56	MG	1A	4126	1/1	0.80	0.40	78,78,78,78	0
56	MG	2A	3768	1/1	0.80	0.30	90,90,90,90	0
56	MG	2A	3637	1/1	0.80	0.45	88,88,88,88	0
56	MG	1A	4520	1/1	0.80	0.49	75,75,75,75	0
56	MG	1D	307	1/1	0.80	0.16	99,99,99,99	0
56	MG	2F	301	1/1	0.80	0.27	133,133,133,133	0
56	MG	1A	4294	1/1	0.80	0.36	84,84,84,84	0
56	MG	1A	4962	1/1	0.80	0.53	69,69,69,69	0
56	MG	2a	1860	1/1	0.80	0.47	153,153,153,153	0
56	MG	2A	3142	1/1	0.80	1.06	102,102,102,102	0
56	MG	2A	3188	1/1	0.80	0.27	103,103,103,103	0
56	MG	1Z	301	1/1	0.80	0.39	80,80,80,80	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	2A	3023	1/1	0.80	0.77	120,120,120,120	0
56	MG	2B	213	1/1	0.80	0.26	151,151,151,151	0
56	MG	2A	3632	1/1	0.80	0.77	110,110,110,110	0
56	MG	1A	4700	1/1	0.80	0.25	79,79,79,79	0
56	MG	2A	3168	1/1	0.80	0.61	90,90,90,90	0
56	MG	2a	1719	1/1	0.80	0.13	151,151,151,151	0
56	MG	2A	3143	1/1	0.80	0.35	89,89,89,89	0
56	MG	1A	4192	1/1	0.80	0.37	68,68,68,68	0
56	MG	1A	4514	1/1	0.80	0.46	81,81,81,81	0
56	MG	2A	3573	1/1	0.80	0.23	282,282,282,282	0
56	MG	1A	4485	1/1	0.80	0.19	61,61,61,61	0
56	MG	2a	1635	1/1	0.81	0.12	147,147,147,147	0
56	MG	1A	4395	1/1	0.81	0.43	63,63,63,63	0
56	MG	1A	4584	1/1	0.81	0.39	105,105,105,105	0
56	MG	1A	5020	1/1	0.81	0.57	69,69,69,69	0
56	MG	2a	1796	1/1	0.81	0.41	111,111,111,111	0
56	MG	1A	4697	1/1	0.81	0.87	68,68,68,68	0
56	MG	1A	4495	1/1	0.81	0.61	78,78,78,78	0
56	MG	2A	3340	1/1	0.81	0.69	75,75,75,75	0
56	MG	2A	3242	1/1	0.81	0.21	106,106,106,106	0
56	MG	1A	4626	1/1	0.81	0.49	95,95,95,95	0
56	MG	2a	1869	1/1	0.81	0.50	151,151,151,151	0
56	MG	2A	3101	1/1	0.81	0.59	133,133,133,133	0
56	MG	2A	3640	1/1	0.81	0.36	127,127,127,127	0
56	MG	2a	1746	1/1	0.81	0.37	120,120,120,120	0
56	MG	2A	3609	1/1	0.81	0.15	132,132,132,132	0
56	MG	2A	3751	1/1	0.81	0.12	101,101,101,101	0
56	MG	1V	201	1/1	0.81	0.42	74,74,74,74	0
56	MG	1A	4712	1/1	0.81	0.30	76,76,76,76	0
56	MG	2A	3642	1/1	0.81	0.33	132,132,132,132	0
56	MG	1a	1601	1/1	0.81	0.22	73,73,73,73	0
56	MG	2a	1906	1/1	0.81	0.22	240,240,240,240	0
56	MG	2A	3742	1/1	0.81	0.45	91,91,91,91	0
56	MG	1A	4730	1/1	0.81	0.69	71,71,71,71	0
56	MG	2A	3062	1/1	0.81	0.31	85,85,85,85	0
56	MG	2a	1729	1/1	0.81	0.28	124,124,124,124	0
56	MG	2a	1649	1/1	0.81	0.30	143,143,143,143	0
56	MG	2y	110	1/1	0.81	0.40	248,248,248,248	0
56	MG	1A	4942	1/1	0.81	0.18	79,79,79,79	0
56	MG	2A	3487	1/1	0.81	0.23	145,145,145,145	0
56	MG	1a	1828	1/1	0.81	0.34	175,175,175,175	0
56	MG	2l	201	1/1	0.81	0.48	132,132,132,132	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	2f	304	1/1	0.81	0.77	137,137,137,137	0
56	MG	1a	1699	1/1	0.81	0.31	118,118,118,118	0
56	MG	1A	4374	1/1	0.81	0.40	94,94,94,94	0
56	MG	2A	3528	1/1	0.81	0.25	106,106,106,106	0
56	MG	1a	1827	1/1	0.81	0.24	190,190,190,190	0
56	MG	2a	1672	1/1	0.81	0.38	181,181,181,181	0
56	MG	1A	4881	1/1	0.81	0.40	82,82,82,82	0
56	MG	1a	1677	1/1	0.81	0.52	157,157,157,157	0
56	MG	1A	4916	1/1	0.81	0.22	73,73,73,73	0
56	MG	17	103	1/1	0.81	0.56	73,73,73,73	0
56	MG	1A	4848	1/1	0.81	0.33	74,74,74,74	0
56	MG	1A	5059	1/1	0.81	0.45	86,86,86,86	0
56	MG	2a	1904	1/1	0.81	0.26	245,245,245,245	0
56	MG	1A	4834	1/1	0.81	0.53	72,72,72,72	0
56	MG	1a	1809	1/1	0.81	0.31	127,127,127,127	0
56	MG	1A	4505	1/1	0.82	0.40	92,92,92,92	0
56	MG	2a	1723	1/1	0.82	1.05	118,118,118,118	0
56	MG	1A	4453	1/1	0.82	0.21	66,66,66,66	0
56	MG	2E	303	1/1	0.82	0.29	81,81,81,81	0
56	MG	2A	3414	1/1	0.82	0.52	117,117,117,117	0
56	MG	1A	4040	1/1	0.82	0.16	93,93,93,93	0
56	MG	2q	202	1/1	0.82	0.37	149,149,149,149	0
56	MG	2A	3269	1/1	0.82	0.40	94,94,94,94	0
56	MG	1B	203	1/1	0.82	0.50	95,95,95,95	0
56	MG	1S	202	1/1	0.82	1.27	92,92,92,92	0
56	MG	1A	4820	1/1	0.82	0.45	72,72,72,72	0
56	MG	2A	3654	1/1	0.82	1.27	115,115,115,115	0
56	MG	1A	4862	1/1	0.82	0.65	74,74,74,74	0
56	MG	2a	1799	1/1	0.82	0.26	238,238,238,238	0
56	MG	1a	1798	1/1	0.82	0.45	118,118,118,118	0
56	MG	1A	4920	1/1	0.82	0.33	61,61,61,61	0
56	MG	2k	201	1/1	0.82	0.21	158,158,158,158	0
56	MG	2A	3347	1/1	0.82	0.28	99,99,99,99	0
56	MG	1A	4163	1/1	0.82	0.19	57,57,57,57	0
56	MG	29	101	1/1	0.82	0.20	130,130,130,130	0
56	MG	1A	4087	1/1	0.82	0.32	69,69,69,69	0
56	MG	2A	3635	1/1	0.82	0.31	103,103,103,103	0
56	MG	1O	205	1/1	0.82	0.34	112,112,112,112	0
56	MG	2a	1680	1/1	0.82	0.42	162,162,162,162	0
56	MG	1A	4562	1/1	0.82	0.40	65,65,65,65	0
56	MG	1A	4631	1/1	0.82	0.39	70,70,70,70	0
56	MG	1B	202	1/1	0.82	0.18	114,114,114,114	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	2z	102	1/1	0.82	0.14	175,175,175,175	0
56	MG	2B	223	1/1	0.82	0.17	129,129,129,129	0
56	MG	2a	1783	1/1	0.82	1.14	174,174,174,174	0
56	MG	2A	3785	1/1	0.82	0.34	119,119,119,119	0
56	MG	1a	1916	1/1	0.82	0.41	146,146,146,146	0
56	MG	2A	3393	1/1	0.82	0.29	132,132,132,132	0
56	MG	2A	3773	1/1	0.82	0.22	115,115,115,115	0
56	MG	1R	201	1/1	0.82	0.54	68,68,68,68	0
56	MG	2a	1695	1/1	0.82	0.77	146,146,146,146	0
56	MG	1a	1646	1/1	0.82	0.80	116,116,116,116	0
56	MG	1A	4997	1/1	0.82	0.15	80,80,80,80	0
56	MG	1A	4010	1/1	0.82	0.48	73,73,73,73	0
56	MG	1a	1674	1/1	0.82	0.19	134,134,134,134	0
56	MG	1A	4524	1/1	0.82	0.35	74,74,74,74	0
56	MG	1A	4802	1/1	0.82	0.40	73,73,73,73	0
56	MG	2A	3673	1/1	0.82	0.80	133,133,133,133	0
56	MG	1A	4785	1/1	0.82	1.19	70,70,70,70	0
56	MG	1a	1735	1/1	0.82	0.57	150,150,150,150	0
56	MG	1A	4402	1/1	0.82	0.15	73,73,73,73	0
56	MG	2a	1782	1/1	0.82	1.08	205,205,205,205	0
56	MG	1a	1771	1/1	0.82	0.35	135,135,135,135	0
56	MG	1a	1802	1/1	0.82	0.58	142,142,142,142	0
56	MG	1A	4710	1/1	0.82	0.34	73,73,73,73	0
56	MG	2A	3446	1/1	0.82	0.85	84,84,84,84	0
56	MG	2A	3358	1/1	0.82	0.16	97,97,97,97	0
56	MG	1A	4988	1/1	0.83	0.50	79,79,79,79	0
56	MG	1A	4987	1/1	0.83	0.42	62,62,62,62	0
56	MG	1a	1767	1/1	0.83	0.29	133,133,133,133	0
56	MG	2A	3264	1/1	0.83	0.59	81,81,81,81	0
56	MG	2A	3767	1/1	0.83	0.64	93,93,93,93	0
56	MG	1A	4165	1/1	0.83	0.40	56,56,56,56	0
56	MG	2A	3292	1/1	0.83	0.75	79,79,79,79	0
56	MG	2a	1647	1/1	0.83	0.37	139,139,139,139	0
56	MG	2a	1612	1/1	0.83	0.32	141,141,141,141	0
56	MG	1A	4763	1/1	0.83	0.26	69,69,69,69	0
56	MG	1A	5036	1/1	0.83	0.20	72,72,72,72	0
56	MG	1a	1822	1/1	0.83	0.11	215,215,215,215	0
56	MG	2A	3221	1/1	0.83	0.20	114,114,114,114	0
56	MG	1A	4812	1/1	0.83	0.30	72,72,72,72	0
56	MG	1A	5024	1/1	0.83	0.27	55,55,55,55	0
57	ZN	24	102	1/1	0.83	0.08	230,230,230,230	0
56	MG	2A	3249	1/1	0.83	0.32	128,128,128,128	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	2A	3823	1/1	0.83	0.41	95,95,95,95	0
56	MG	1a	1801	1/1	0.83	0.35	105,105,105,105	0
56	MG	1A	4219	1/1	0.83	0.44	61,61,61,61	0
56	MG	1a	1623	1/1	0.83	0.13	100,100,100,100	0
56	MG	2A	3533	1/1	0.83	0.41	124,124,124,124	0
56	MG	1v	701	1/1	0.83	0.74	117,117,117,117	0
56	MG	2a	1853	1/1	0.83	0.41	269,269,269,269	0
56	MG	20	103	1/1	0.83	0.48	97,97,97,97	0
56	MG	1A	4094	1/1	0.83	0.29	68,68,68,68	0
56	MG	1A	4703	1/1	0.83	0.55	64,64,64,64	0
56	MG	1A	4776	1/1	0.83	0.65	96,96,96,96	0
56	MG	2A	3367	1/1	0.83	0.34	92,92,92,92	0
56	MG	1a	1662	1/1	0.83	0.37	123,123,123,123	0
56	MG	2A	3015	1/1	0.83	0.69	112,112,112,112	0
56	MG	2a	1749	1/1	0.83	0.39	115,115,115,115	0
56	MG	1T	204	1/1	0.83	0.28	115,115,115,115	0
56	MG	2a	1857	1/1	0.83	0.19	145,145,145,145	0
56	MG	1A	4858	1/1	0.83	1.08	58,58,58,58	0
56	MG	2A	3217	1/1	0.83	0.30	91,91,91,91	0
56	MG	2A	3793	1/1	0.83	0.45	116,116,116,116	0
56	MG	1a	1775	1/1	0.83	0.32	131,131,131,131	0
56	MG	2A	3497	1/1	0.83	0.59	79,79,79,79	0
56	MG	2A	3152	1/1	0.83	0.25	96,96,96,96	0
56	MG	2A	3106	1/1	0.83	0.40	170,170,170,170	0
56	MG	1a	1734	1/1	0.83	0.74	147,147,147,147	0
56	MG	2a	1849	1/1	0.83	0.13	142,142,142,142	0
56	MG	2a	1894	1/1	0.83	0.47	151,151,151,151	0
56	MG	2A	3424	1/1	0.83	0.35	142,142,142,142	0
56	MG	2V	201	1/1	0.83	0.34	129,129,129,129	0
56	MG	2A	3842	1/1	0.83	0.25	99,99,99,99	0
56	MG	2Q	201	1/1	0.83	0.26	126,126,126,126	0
56	MG	1A	4130	1/1	0.83	0.49	58,58,58,58	0
56	MG	2A	3664	1/1	0.83	0.31	112,112,112,112	0
56	MG	1a	1636	1/1	0.83	0.19	120,120,120,120	0
56	MG	1a	1917	1/1	0.83	0.24	128,128,128,128	0
56	MG	2A	3649	1/1	0.83	0.57	110,110,110,110	0
56	MG	18	102	1/1	0.83	0.33	66,66,66,66	0
56	MG	2A	3532	1/1	0.83	0.24	118,118,118,118	0
56	MG	1A	4305	1/1	0.83	0.58	82,82,82,82	0
56	MG	2A	3672	1/1	0.83	0.11	120,120,120,120	0
56	MG	2B	207	1/1	0.83	1.03	161,161,161,161	0
56	MG	2A	3214	1/1	0.83	0.35	93,93,93,93	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	2A	3224	1/1	0.83	0.22	119,119,119,119	0
56	MG	2a	1838	1/1	0.83	0.06	244,244,244,244	0
56	MG	2A	3298	1/1	0.83	0.58	94,94,94,94	0
56	MG	1a	1903	1/1	0.84	0.47	121,121,121,121	0
56	MG	2a	1637	1/1	0.84	0.32	146,146,146,146	0
56	MG	2A	3222	1/1	0.84	0.54	112,112,112,112	0
56	MG	2A	3462	1/1	0.84	0.76	104,104,104,104	0
56	MG	1A	4610	1/1	0.84	0.19	60,60,60,60	0
56	MG	2A	3008	1/1	0.84	0.58	94,94,94,94	0
56	MG	1A	4435	1/1	0.84	0.20	65,65,65,65	0
56	MG	1A	4287	1/1	0.84	0.58	50,50,50,50	0
56	MG	2A	3099	1/1	0.84	0.14	152,152,152,152	0
56	MG	2A	3605	1/1	0.84	0.19	105,105,105,105	0
56	MG	2A	3466	1/1	0.84	0.80	129,129,129,129	0
56	MG	2v	702	1/1	0.84	0.11	183,183,183,183	0
56	MG	1A	4396	1/1	0.84	0.26	72,72,72,72	0
56	MG	1a	1869	1/1	0.84	0.09	226,226,226,226	0
56	MG	1A	4698	1/1	0.84	0.76	70,70,70,70	0
56	MG	2Y	201	1/1	0.84	0.75	113,113,113,113	0
56	MG	1A	4191	1/1	0.84	0.17	67,67,67,67	0
56	MG	2A	3598	1/1	0.84	0.16	121,121,121,121	0
56	MG	1a	1626	1/1	0.84	0.68	98,98,98,98	0
56	MG	1A	4403	1/1	0.84	0.36	62,62,62,62	0
56	MG	1A	4334	1/1	0.84	0.28	73,73,73,73	0
56	MG	2B	225	1/1	0.84	0.18	132,132,132,132	0
56	MG	1a	1902	1/1	0.84	0.56	135,135,135,135	0
56	MG	2A	3473	1/1	0.84	0.63	131,131,131,131	0
56	MG	1a	1678	1/1	0.84	0.21	162,162,162,162	0
56	MG	2B	209	1/1	0.84	0.45	77,77,77,77	0
56	MG	1A	4175	1/1	0.84	0.27	60,60,60,60	0
56	MG	1i	201	1/1	0.84	0.38	212,212,212,212	0
56	MG	2A	3196	1/1	0.84	0.52	92,92,92,92	0
56	MG	2A	3078	1/1	0.84	0.24	119,119,119,119	0
56	MG	2i	201	1/1	0.84	0.58	245,245,245,245	0
56	MG	2A	3418	1/1	0.84	0.48	117,117,117,117	0
56	MG	1A	4314	1/1	0.84	0.46	107,107,107,107	0
56	MG	2f	301	1/1	0.84	0.70	138,138,138,138	0
56	MG	2a	1691	1/1	0.84	0.55	139,139,139,139	0
56	MG	2A	3058	1/1	0.84	0.24	85,85,85,85	0
56	MG	1A	4013	1/1	0.84	0.36	81,81,81,81	0
56	MG	1a	1784	1/1	0.84	0.67	124,124,124,124	0
56	MG	1A	4921	1/1	0.84	0.26	71,71,71,71	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	2A	3825	1/1	0.84	1.48	97,97,97,97	0
56	MG	1T	205	1/1	0.84	0.30	109,109,109,109	0
56	MG	1l	301	1/1	0.84	0.63	133,133,133,133	0
56	MG	1a	1754	1/1	0.84	0.29	100,100,100,100	0
56	MG	2N	201	1/1	0.84	0.48	113,113,113,113	0
56	MG	2a	1900	1/1	0.84	0.42	174,174,174,174	0
56	MG	2A	3255	1/1	0.84	0.21	126,126,126,126	0
56	MG	2A	3755	1/1	0.84	0.12	130,130,130,130	0
56	MG	1a	1770	1/1	0.84	0.42	101,101,101,101	0
56	MG	1A	4265	1/1	0.84	0.37	61,61,61,61	0
56	MG	2A	3399	1/1	0.84	0.43	194,194,194,194	0
56	MG	1O	203	1/1	0.84	0.25	87,87,87,87	0
56	MG	1s	101	1/1	0.84	1.12	216,216,216,216	0
56	MG	1a	1832	1/1	0.84	0.18	189,189,189,189	0
56	MG	2A	3607	1/1	0.84	0.16	127,127,127,127	0
56	MG	2A	3043	1/1	0.84	0.27	113,113,113,113	0
56	MG	2a	1779	1/1	0.84	0.53	183,183,183,183	0
56	MG	2A	3082	1/1	0.84	0.30	126,126,126,126	0
56	MG	1A	4300	1/1	0.84	0.49	90,90,90,90	0
56	MG	2A	3516	1/1	0.84	0.67	82,82,82,82	0
56	MG	2a	1699	1/1	0.84	0.41	138,138,138,138	0
56	MG	2B	220	1/1	0.84	0.16	140,140,140,140	0
56	MG	2A	3381	1/1	0.84	0.23	98,98,98,98	0
56	MG	2A	3342	1/1	0.85	0.20	86,86,86,86	0
56	MG	1a	1804	1/1	0.85	0.41	130,130,130,130	0
56	MG	1A	4532	1/1	0.85	0.27	45,45,45,45	0
56	MG	1a	1630	1/1	0.85	0.84	108,108,108,108	0
56	MG	1A	4875	1/1	0.85	0.22	71,71,71,71	0
56	MG	2a	1705	1/1	0.85	0.38	150,150,150,150	0
56	MG	2A	3086	1/1	0.85	0.32	119,119,119,119	0
56	MG	1A	4894	1/1	0.85	0.47	63,63,63,63	0
56	MG	1A	4640	1/1	0.85	0.33	69,69,69,69	0
56	MG	2a	1693	1/1	0.85	0.28	141,141,141,141	0
56	MG	2a	1847	1/1	0.85	0.26	160,160,160,160	0
56	MG	1A	4707	1/1	0.85	0.31	73,73,73,73	0
56	MG	1A	4431	1/1	0.85	0.29	72,72,72,72	0
56	MG	2a	1614	1/1	0.85	0.24	165,165,165,165	0
56	MG	1A	4298	1/1	0.85	0.51	76,76,76,76	0
56	MG	1A	4644	1/1	0.85	0.34	65,65,65,65	0
57	ZN	2n	501	1/1	0.85	0.11	239,239,239,239	0
56	MG	1A	4624	1/1	0.85	0.44	118,118,118,118	0
56	MG	1A	4274	1/1	0.85	0.68	51,51,51,51	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	1A	5058	1/1	0.85	0.49	100,100,100,100	0
56	MG	1a	1781	1/1	0.85	0.67	110,110,110,110	0
56	MG	2A	3183	1/1	0.85	0.47	124,124,124,124	0
56	MG	2a	1878	1/1	0.85	0.55	115,115,115,115	0
56	MG	2A	3154	1/1	0.85	0.93	92,92,92,92	0
56	MG	1a	1644	1/1	0.85	0.71	120,120,120,120	0
56	MG	1A	4014	1/1	0.85	0.68	87,87,87,87	0
56	MG	2A	3243	1/1	0.85	0.26	109,109,109,109	0
56	MG	2a	1797	1/1	0.85	0.17	238,238,238,238	0
56	MG	1a	1839	1/1	0.85	0.18	146,146,146,146	0
56	MG	1B	220	1/1	0.85	0.27	79,79,79,79	0
56	MG	2A	3098	1/1	0.85	0.25	159,159,159,159	0
56	MG	1a	1893	1/1	0.85	0.30	98,98,98,98	0
56	MG	2a	1877	1/1	0.85	0.33	151,151,151,151	0
56	MG	2a	1727	1/1	0.85	0.34	124,124,124,124	0
56	MG	1A	4860	1/1	0.85	0.27	59,59,59,59	0
56	MG	2A	3791	1/1	0.85	0.36	93,93,93,93	0
56	MG	1a	1747	1/1	0.85	0.34	149,149,149,149	0
56	MG	1a	1627	1/1	0.85	0.38	95,95,95,95	0
56	MG	2D	302	1/1	0.85	0.31	80,80,80,80	0
56	MG	1a	1737	1/1	0.85	0.59	74,74,74,74	0
56	MG	1a	1872	1/1	0.85	0.10	195,195,195,195	0
56	MG	2A	3737	1/1	0.85	0.53	100,100,100,100	0
56	MG	2A	3759	1/1	0.85	0.42	232,232,232,232	0
57	ZN	1n	103	1/1	0.85	0.09	212,212,212,212	0
56	MG	1A	4818	1/1	0.85	0.32	69,69,69,69	0
56	MG	1A	4461	1/1	0.85	0.26	78,78,78,78	0
56	MG	2a	1632	1/1	0.85	0.17	137,137,137,137	0
56	MG	2a	1738	1/1	0.85	0.62	138,138,138,138	0
56	MG	1A	5027	1/1	0.85	0.75	63,63,63,63	0
56	MG	1A	4184	1/1	0.85	0.45	61,61,61,61	0
56	MG	2a	1879	1/1	0.85	0.53	150,150,150,150	0
56	MG	1a	1654	1/1	0.85	0.52	120,120,120,120	0
56	MG	1B	204	1/1	0.85	0.43	93,93,93,93	0
56	MG	2A	3565	1/1	0.85	0.28	102,102,102,102	0
56	MG	2A	3777	1/1	0.85	0.45	100,100,100,100	0
56	MG	2a	1886	1/1	0.85	0.38	147,147,147,147	0
56	MG	2A	3044	1/1	0.85	0.37	107,107,107,107	0
56	MG	1A	4832	1/1	0.85	0.68	71,71,71,71	0
56	MG	2A	3430	1/1	0.85	0.62	73,73,73,73	0
56	MG	2A	3115	1/1	0.85	0.56	135,135,135,135	0
56	MG	2A	3262	1/1	0.85	0.73	73,73,73,73	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	1A	4867	1/1	0.85	0.28	58,58,58,58	0
56	MG	2B	212	1/1	0.85	0.47	156,156,156,156	0
56	MG	2A	3201	1/1	0.85	0.38	115,115,115,115	0
56	MG	2a	1777	1/1	0.85	0.68	117,117,117,117	0
56	MG	1A	4053	1/1	0.85	0.85	112,112,112,112	0
56	MG	2a	1781	1/1	0.85	0.23	230,230,230,230	0
56	MG	1A	4804	1/1	0.85	1.06	89,89,89,89	0
56	MG	1a	1890	1/1	0.85	0.16	218,218,218,218	0
56	MG	2A	3493	1/1	0.85	0.54	134,134,134,134	0
56	MG	2a	1884	1/1	0.85	0.31	168,168,168,168	0
56	MG	2A	3203	1/1	0.85	0.35	124,124,124,124	0
56	MG	28	106	1/1	0.85	0.24	79,79,79,79	0
56	MG	1A	4037	1/1	0.85	0.70	89,89,89,89	0
56	MG	1A	4356	1/1	0.85	0.33	75,75,75,75	0
56	MG	1A	4932	1/1	0.85	0.30	153,153,153,153	0
56	MG	1A	4798	1/1	0.85	0.35	62,62,62,62	0
56	MG	2A	3743	1/1	0.85	0.43	83,83,83,83	0
56	MG	2A	3633	1/1	0.85	0.28	110,110,110,110	0
56	MG	1A	4711	1/1	0.85	0.27	78,78,78,78	0
56	MG	1a	1673	1/1	0.85	0.23	117,117,117,117	0
56	MG	1A	4602	1/1	0.86	0.29	54,54,54,54	0
56	MG	1A	4650	1/1	0.86	0.42	63,63,63,63	0
56	MG	1A	4551	1/1	0.86	0.40	69,69,69,69	0
56	MG	1A	4226	1/1	0.86	0.40	81,81,81,81	0
56	MG	1a	1758	1/1	0.86	0.14	111,111,111,111	0
56	MG	2A	3017	1/1	0.86	0.29	111,111,111,111	0
56	MG	1A	4144	1/1	0.86	0.38	65,65,65,65	0
56	MG	2D	306	1/1	0.86	1.03	101,101,101,101	0
56	MG	1A	4841	1/1	0.86	0.48	103,103,103,103	0
56	MG	1A	4581	1/1	0.86	0.29	61,61,61,61	0
56	MG	1a	1712	1/1	0.86	0.49	114,114,114,114	0
56	MG	1A	4526	1/1	0.86	0.32	54,54,54,54	0
56	MG	1B	211	1/1	0.86	0.64	82,82,82,82	0
56	MG	1a	1783	1/1	0.86	0.25	135,135,135,135	0
56	MG	1A	5044	1/1	0.86	0.83	52,52,52,52	0
56	MG	2A	3382	1/1	0.86	0.30	101,101,101,101	0
56	MG	1A	4444	1/1	0.86	0.27	76,76,76,76	0
56	MG	2a	1731	1/1	0.86	0.36	103,103,103,103	0
56	MG	1A	4492	1/1	0.86	0.30	69,69,69,69	0
56	MG	1A	4882	1/1	0.86	0.35	82,82,82,82	0
56	MG	2B	214	1/1	0.86	0.25	145,145,145,145	0
56	MG	29	102	1/1	0.86	0.27	128,128,128,128	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	1A	4316	1/1	0.86	0.63	85,85,85,85	0
56	MG	1A	4425	1/1	0.86	0.14	78,78,78,78	0
56	MG	2A	3251	1/1	0.86	0.18	123,123,123,123	0
56	MG	1A	4659	1/1	0.86	0.39	87,87,87,87	0
56	MG	2a	1741	1/1	0.86	0.60	174,174,174,174	0
56	MG	2a	1762	1/1	0.86	0.14	235,235,235,235	0
56	MG	2a	1764	1/1	0.86	0.33	270,270,270,270	0
56	MG	2a	1822	1/1	0.86	0.27	167,167,167,167	0
56	MG	1A	4490	1/1	0.86	0.34	89,89,89,89	0
56	MG	2A	3113	1/1	0.86	0.69	140,140,140,140	0
56	MG	2A	3519	1/1	0.86	0.20	91,91,91,91	0
56	MG	1A	4908	1/1	0.86	0.23	64,64,64,64	0
56	MG	1A	4170	1/1	0.86	0.52	61,61,61,61	0
56	MG	1A	4899	1/1	0.86	0.39	68,68,68,68	0
56	MG	2A	3541	1/1	0.86	0.64	123,123,123,123	0
56	MG	2a	1839	1/1	0.86	0.08	241,241,241,241	0
56	MG	1A	4051	1/1	0.86	0.80	100,100,100,100	0
56	MG	2a	1907	1/1	0.86	0.23	256,256,256,256	0
56	MG	1b	306	1/1	0.86	0.16	186,186,186,186	0
56	MG	1m	202	1/1	0.86	0.07	211,211,211,211	0
56	MG	1A	4890	1/1	0.86	0.60	114,114,114,114	0
56	MG	1A	4778	1/1	0.86	0.19	71,71,71,71	0
56	MG	1A	4638	1/1	0.86	0.32	66,66,66,66	0
56	MG	2a	1653	1/1	0.86	0.36	141,141,141,141	0
56	MG	2A	3646	1/1	0.86	0.51	110,110,110,110	0
56	MG	2z	101	1/1	0.86	0.33	177,177,177,177	0
56	MG	2a	1643	1/1	0.86	0.20	144,144,144,144	0
56	MG	2P	201	1/1	0.86	0.37	100,100,100,100	0
56	MG	2A	3270	1/1	0.86	0.48	98,98,98,98	0
56	MG	2A	3690	1/1	0.86	0.16	159,159,159,159	0
56	MG	1A	4214	1/1	0.86	0.29	61,61,61,61	0
56	MG	2A	3683	1/1	0.86	0.28	102,102,102,102	0
56	MG	1a	1824	1/1	0.86	0.30	213,213,213,213	0
56	MG	1E	303	1/1	0.86	0.61	62,62,62,62	0
56	MG	1A	4915	1/1	0.86	0.28	85,85,85,85	0
56	MG	1A	4993	1/1	0.86	0.17	85,85,85,85	0
56	MG	2A	3355	1/1	0.86	0.26	89,89,89,89	0
56	MG	1A	4548	1/1	0.86	0.82	131,131,131,131	0
56	MG	1F	301	1/1	0.86	0.35	76,76,76,76	0
56	MG	1Q	202	1/1	0.86	0.11	67,67,67,67	0
56	MG	2A	3634	1/1	0.86	0.34	104,104,104,104	0
56	MG	1A	4311	1/1	0.86	0.59	101,101,101,101	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	2A	3207	1/1	0.86	0.32	123,123,123,123	0
56	MG	1A	4531	1/1	0.86	0.34	68,68,68,68	0
56	MG	1A	5015	1/1	0.86	0.52	89,89,89,89	0
56	MG	1a	1826	1/1	0.86	0.13	196,196,196,196	0
56	MG	1A	4119	1/1	0.87	0.41	74,74,74,74	0
56	MG	2A	3666	1/1	0.87	0.37	101,101,101,101	0
56	MG	1A	4655	1/1	0.87	0.54	82,82,82,82	0
56	MG	1A	4636	1/1	0.87	0.35	64,64,64,64	0
56	MG	2a	1883	1/1	0.87	0.41	131,131,131,131	0
56	MG	1y	104	1/1	0.87	0.31	99,99,99,99	0
56	MG	2A	3432	1/1	0.87	0.67	93,93,93,93	0
56	MG	1A	4824	1/1	0.87	0.21	81,81,81,81	0
56	MG	2A	3526	1/1	0.87	0.09	106,106,106,106	0
59	GDP	2v	704	28/28	0.87	0.19	186,186,186,186	0
56	MG	1A	4417	1/1	0.87	0.36	52,52,52,52	0
56	MG	1a	1842	1/1	0.87	0.11	78,78,78,78	0
56	MG	1W	201	1/1	0.87	0.30	72,72,72,72	0
56	MG	1a	1692	1/1	0.87	0.24	129,129,129,129	0
56	MG	2E	305	1/1	0.87	0.14	121,121,121,121	0
56	MG	1a	1723	1/1	0.87	0.45	118,118,118,118	0
56	MG	1A	4759	1/1	0.87	0.38	74,74,74,74	0
56	MG	2Q	204	1/1	0.87	0.54	118,118,118,118	0
56	MG	2l	203	1/1	0.87	0.56	129,129,129,129	0
56	MG	1a	1905	1/1	0.87	0.75	108,108,108,108	0
56	MG	2A	3287	1/1	0.87	0.73	104,104,104,104	0
56	MG	1a	1894	1/1	0.87	0.72	132,132,132,132	0
56	MG	2A	3584	1/1	0.87	0.12	114,114,114,114	0
56	MG	2A	3549	1/1	0.87	0.50	96,96,96,96	0
56	MG	1A	5042	1/1	0.87	0.23	77,77,77,77	0
56	MG	1A	4032	1/1	0.87	0.25	55,55,55,55	0
56	MG	2A	3010	1/1	0.87	1.10	88,88,88,88	0
56	MG	2A	3545	1/1	0.87	0.23	97,97,97,97	0
56	MG	2a	1793	1/1	0.87	0.20	251,251,251,251	0
56	MG	2A	3332	1/1	0.87	0.28	97,97,97,97	0
56	MG	2A	3373	1/1	0.87	0.39	93,93,93,93	0
56	MG	1b	307	1/1	0.87	0.06	164,164,164,164	0
56	MG	2a	1752	1/1	0.87	0.25	134,134,134,134	0
56	MG	1A	4850	1/1	0.87	0.37	76,76,76,76	0
56	MG	2A	3109	1/1	0.87	0.23	137,137,137,137	0
56	MG	1A	4024	1/1	0.87	0.46	78,78,78,78	0
56	MG	2A	3233	1/1	0.87	0.31	101,101,101,101	0
56	MG	2A	3523	1/1	0.87	0.28	100,100,100,100	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	1A	4390	1/1	0.87	0.31	82,82,82,82	0
56	MG	1a	1641	1/1	0.87	0.22	124,124,124,124	0
56	MG	1E	305	1/1	0.87	0.91	69,69,69,69	0
57	ZN	14	501	1/1	0.87	0.07	172,172,172,172	0
56	MG	2A	3100	1/1	0.87	0.22	152,152,152,152	0
56	MG	1A	4866	1/1	0.87	0.34	69,69,69,69	0
56	MG	1B	221	1/1	0.87	0.57	98,98,98,98	0
56	MG	1A	4986	1/1	0.87	0.77	64,64,64,64	0
56	MG	2A	3185	1/1	0.87	0.45	95,95,95,95	0
56	MG	1B	219	1/1	0.87	0.15	77,77,77,77	0
56	MG	1A	4455	1/1	0.87	0.27	75,75,75,75	0
56	MG	1A	4799	1/1	0.87	0.47	87,87,87,87	0
56	MG	1A	4003	1/1	0.87	0.50	53,53,53,53	0
56	MG	1A	4956	1/1	0.87	0.25	71,71,71,71	0
56	MG	2a	1665	1/1	0.87	0.24	139,139,139,139	0
56	MG	1a	1795	1/1	0.87	0.47	107,107,107,107	0
56	MG	1A	4136	1/1	0.87	0.66	92,92,92,92	0
56	MG	1a	1647	1/1	0.87	0.73	118,118,118,118	0
56	MG	1A	4656	1/1	0.87	0.42	80,80,80,80	0
56	MG	2A	3524	1/1	0.87	0.32	103,103,103,103	0
56	MG	1A	4671	1/1	0.87	0.47	65,65,65,65	0
56	MG	1A	4779	1/1	0.87	0.23	68,68,68,68	0
56	MG	2A	3492	1/1	0.87	0.35	120,120,120,120	0
56	MG	2a	1866	1/1	0.87	0.26	138,138,138,138	0
56	MG	1A	4459	1/1	0.87	0.17	72,72,72,72	0
56	MG	1A	4743	1/1	0.87	0.16	74,74,74,74	0
56	MG	1A	4155	1/1	0.87	0.37	60,60,60,60	0
56	MG	1A	4357	1/1	0.87	0.37	78,78,78,78	0
56	MG	1A	4436	1/1	0.87	0.25	64,64,64,64	0
56	MG	2A	3169	1/1	0.87	0.65	81,81,81,81	0
56	MG	2A	3417	1/1	0.87	0.22	117,117,117,117	0
56	MG	1A	4101	1/1	0.87	0.53	45,45,45,45	0
56	MG	1a	1757	1/1	0.87	0.61	107,107,107,107	0
56	MG	1O	201	1/1	0.87	0.48	82,82,82,82	0
56	MG	2Q	205	1/1	0.88	1.05	129,129,129,129	0
56	MG	2a	1875	1/1	0.88	0.64	154,154,154,154	0
56	MG	1D	302	1/1	0.88	0.34	57,57,57,57	0
56	MG	2A	3119	1/1	0.88	0.68	113,113,113,113	0
56	MG	2A	3715	1/1	0.88	0.22	109,109,109,109	0
56	MG	2A	3769	1/1	0.88	0.59	90,90,90,90	0
56	MG	1A	4200	1/1	0.88	0.23	69,69,69,69	0
56	MG	1A	4929	1/1	0.88	0.44	201,201,201,201	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	1A	5047	1/1	0.88	0.32	89,89,89,89	0
56	MG	1A	4676	1/1	0.88	0.76	101,101,101,101	0
56	MG	1A	4386	1/1	0.88	0.15	64,64,64,64	0
56	MG	2f	303	1/1	0.88	0.35	135,135,135,135	0
56	MG	2a	1615	1/1	0.88	0.30	145,145,145,145	0
56	MG	1A	4199	1/1	0.88	0.22	218,218,218,218	0
56	MG	1A	4190	1/1	0.88	0.29	68,68,68,68	0
56	MG	2A	3776	1/1	0.88	0.41	97,97,97,97	0
56	MG	2A	3376	1/1	0.88	0.27	99,99,99,99	0
56	MG	1A	4761	1/1	0.88	0.28	74,74,74,74	0
56	MG	1A	4679	1/1	0.88	0.15	80,80,80,80	0
56	MG	1A	4783	1/1	0.88	0.47	70,70,70,70	0
56	MG	1a	1891	1/1	0.88	0.21	89,89,89,89	0
56	MG	2a	1837	1/1	0.88	0.10	240,240,240,240	0
56	MG	2a	1892	1/1	0.88	0.74	142,142,142,142	0
56	MG	2a	1903	1/1	0.88	0.67	246,246,246,246	0
56	MG	2A	3693	1/1	0.88	0.46	86,86,86,86	0
56	MG	2A	3132	1/1	0.88	0.28	141,141,141,141	0
56	MG	1A	4257	1/1	0.88	0.45	64,64,64,64	0
56	MG	2A	3090	1/1	0.88	0.20	110,110,110,110	0
56	MG	1A	5004	1/1	0.88	0.37	89,89,89,89	0
56	MG	1A	4243	1/1	0.88	0.55	65,65,65,65	0
56	MG	1a	1919	1/1	0.88	0.52	144,144,144,144	0
56	MG	1A	4086	1/1	0.88	0.37	68,68,68,68	0
56	MG	2p	101	1/1	0.88	0.12	154,154,154,154	0
56	MG	2A	3250	1/1	0.88	0.59	158,158,158,158	0
56	MG	1a	1607	1/1	0.88	0.33	86,86,86,86	0
56	MG	2A	3247	1/1	0.88	0.44	113,113,113,113	0
56	MG	2A	3051	1/1	0.88	1.54	104,104,104,104	0
56	MG	2a	1902	1/1	0.88	0.54	248,248,248,248	0
56	MG	1A	4039	1/1	0.88	0.16	79,79,79,79	0
56	MG	2A	3289	1/1	0.88	0.25	107,107,107,107	0
56	MG	1A	5041	1/1	0.88	0.26	79,79,79,79	0
56	MG	2A	3401	1/1	0.88	0.12	89,89,89,89	0
56	MG	1a	1817	1/1	0.88	0.22	148,148,148,148	0
56	MG	2a	1603	1/1	0.88	0.22	151,151,151,151	0
56	MG	1A	4393	1/1	0.88	0.33	84,84,84,84	0
56	MG	2A	3220	1/1	0.88	0.27	115,115,115,115	0
56	MG	2A	3285	1/1	0.88	0.25	101,101,101,101	0
56	MG	2a	1726	1/1	0.88	0.46	108,108,108,108	0
56	MG	1A	4371	1/1	0.88	0.29	74,74,74,74	0
56	MG	2A	3035	1/1	0.88	0.45	116,116,116,116	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	1a	1609	1/1	0.88	0.19	88,88,88,88	0
56	MG	2A	3699	1/1	0.88	0.43	107,107,107,107	0
56	MG	2A	3232	1/1	0.88	0.36	95,95,95,95	0
56	MG	1A	4045	1/1	0.88	0.35	68,68,68,68	0
56	MG	2a	1840	1/1	0.88	0.09	228,228,228,228	0
56	MG	2a	1889	1/1	0.88	0.97	127,127,127,127	0
56	MG	1A	4034	1/1	0.88	0.63	69,69,69,69	0
56	MG	2A	3096	1/1	0.88	0.36	98,98,98,98	0
56	MG	2A	3371	1/1	0.88	0.18	113,113,113,113	0
56	MG	1A	4753	1/1	0.88	0.26	62,62,62,62	0
56	MG	1A	4507	1/1	0.88	0.30	106,106,106,106	0
56	MG	2a	1755	1/1	0.88	0.10	168,168,168,168	0
56	MG	2A	3120	1/1	0.88	0.62	120,120,120,120	0
56	MG	1T	201	1/1	0.88	0.34	66,66,66,66	0
56	MG	1A	4587	1/1	0.88	0.33	72,72,72,72	0
56	MG	1A	4603	1/1	0.88	0.34	67,67,67,67	0
56	MG	2A	3153	1/1	0.88	0.69	80,80,80,80	0
56	MG	2A	3658	1/1	0.88	0.66	112,112,112,112	0
56	MG	1A	4605	1/1	0.88	0.29	64,64,64,64	0
56	MG	1A	4151	1/1	0.88	0.32	60,60,60,60	0
56	MG	2A	3197	1/1	0.88	0.18	93,93,93,93	0
56	MG	1A	4085	1/1	0.88	0.30	67,67,67,67	0
56	MG	2a	1630	1/1	0.88	0.66	123,123,123,123	0
56	MG	2A	3308	1/1	0.88	0.76	100,100,100,100	0
56	MG	1A	4905	1/1	0.88	0.26	65,65,65,65	0
56	MG	1a	1631	1/1	0.88	0.35	126,126,126,126	0
56	MG	1A	4375	1/1	0.88	0.31	65,65,65,65	0
56	MG	1A	4642	1/1	0.88	0.30	67,67,67,67	0
56	MG	1a	1661	1/1	0.88	0.22	117,117,117,117	0
56	MG	1A	4129	1/1	0.88	0.17	58,58,58,58	0
56	MG	2B	228	1/1	0.88	0.17	145,145,145,145	0
56	MG	1A	4221	1/1	0.88	0.63	71,71,71,71	0
56	MG	1a	1604	1/1	0.88	0.24	98,98,98,98	0
56	MG	1a	1791	1/1	0.88	0.25	116,116,116,116	0
56	MG	2A	3362	1/1	0.88	0.12	99,99,99,99	0
56	MG	2A	3468	1/1	0.88	0.59	85,85,85,85	0
56	MG	1A	4682	1/1	0.88	0.99	116,116,116,116	0
56	MG	1a	1657	1/1	0.88	0.24	106,106,106,106	0
56	MG	1A	4874	1/1	0.88	0.67	87,87,87,87	0
56	MG	1A	4559	1/1	0.88	0.40	60,60,60,60	0
56	MG	2A	3102	1/1	0.88	0.24	144,144,144,144	0
56	MG	2A	3064	1/1	0.88	0.36	75,75,75,75	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	1A	4336	1/1	0.88	0.23	62,62,62,62	0
56	MG	1A	4320	1/1	0.88	0.80	91,91,91,91	0
56	MG	1a	1760	1/1	0.88	0.23	114,114,114,114	0
56	MG	1a	1858	1/1	0.88	0.09	210,210,210,210	0
56	MG	2A	3364	1/1	0.88	0.39	84,84,84,84	0
56	MG	1A	4228	1/1	0.88	0.52	109,109,109,109	0
56	MG	1A	4863	1/1	0.88	0.35	62,62,62,62	0
56	MG	2a	1681	1/1	0.88	0.36	165,165,165,165	0
56	MG	2l	205	1/1	0.88	0.27	148,148,148,148	0
56	MG	1A	4887	1/1	0.88	0.31	67,67,67,67	0
56	MG	2A	3794	1/1	0.88	0.25	113,113,113,113	0
56	MG	1A	4999	1/1	0.89	0.79	62,62,62,62	0
56	MG	1A	4350	1/1	0.89	0.39	68,68,68,68	0
56	MG	2a	1888	1/1	0.89	0.32	136,136,136,136	0
56	MG	2s	101	1/1	0.89	0.26	250,250,250,250	0
56	MG	2d	304	1/1	0.89	0.28	161,161,161,161	0
56	MG	1A	4445	1/1	0.89	0.16	73,73,73,73	0
56	MG	2a	1897	1/1	0.89	1.12	153,153,153,153	0
56	MG	1A	4984	1/1	0.89	0.25	87,87,87,87	0
56	MG	2A	3032	1/1	0.89	0.79	108,108,108,108	0
56	MG	1A	4673	1/1	0.89	0.53	94,94,94,94	0
56	MG	1a	1788	1/1	0.89	1.09	118,118,118,118	0
56	MG	1A	4383	1/1	0.89	0.26	65,65,65,65	0
56	MG	1A	4940	1/1	0.89	0.29	55,55,55,55	0
56	MG	1a	1764	1/1	0.89	0.35	121,121,121,121	0
56	MG	2A	3697	1/1	0.89	0.70	128,128,128,128	0
56	MG	2A	3229	1/1	0.89	0.58	73,73,73,73	0
56	MG	1B	209	1/1	0.89	0.51	89,89,89,89	0
56	MG	1U	201	1/1	0.89	0.24	61,61,61,61	0
56	MG	1A	4380	1/1	0.89	0.29	56,56,56,56	0
56	MG	1A	4854	1/1	0.89	0.27	81,81,81,81	0
56	MG	2a	1744	1/1	0.89	0.64	95,95,95,95	0
56	MG	1A	4447	1/1	0.89	0.24	65,65,65,65	0
56	MG	1A	4892	1/1	0.89	0.53	72,72,72,72	0
56	MG	1A	4481	1/1	0.89	0.53	78,78,78,78	0
56	MG	2A	3678	1/1	0.89	0.38	100,100,100,100	0
56	MG	2A	3147	1/1	0.89	0.43	82,82,82,82	0
56	MG	2a	1736	1/1	0.89	0.30	137,137,137,137	0
56	MG	1A	5050	1/1	0.89	0.24	173,173,173,173	0
56	MG	2a	1770	1/1	0.89	0.41	237,237,237,237	0
56	MG	2A	3606	1/1	0.89	0.23	137,137,137,137	0
56	MG	2A	3718	1/1	0.89	0.54	129,129,129,129	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	1A	4349	1/1	0.89	0.32	54,54,54,54	0
56	MG	1A	4186	1/1	0.89	0.47	59,59,59,59	0
56	MG	2E	304	1/1	0.89	0.34	71,71,71,71	0
56	MG	2a	1626	1/1	0.89	0.44	157,157,157,157	0
56	MG	1A	4491	1/1	0.89	0.40	86,86,86,86	0
56	MG	1A	4240	1/1	0.89	0.24	60,60,60,60	0
56	MG	1A	4687	1/1	0.89	0.20	88,88,88,88	0
56	MG	2A	3281	1/1	0.89	0.32	104,104,104,104	0
56	MG	1A	4217	1/1	0.89	0.26	59,59,59,59	0
56	MG	1D	303	1/1	0.89	0.60	82,82,82,82	0
56	MG	2A	3374	1/1	0.89	0.17	102,102,102,102	0
56	MG	1A	4580	1/1	0.89	0.21	64,64,64,64	0
56	MG	1A	4322	1/1	0.89	0.54	85,85,85,85	0
56	MG	2A	3198	1/1	0.89	0.53	100,100,100,100	0
56	MG	2a	1795	1/1	0.89	0.37	111,111,111,111	0
56	MG	2A	3780	1/1	0.89	0.30	90,90,90,90	0
56	MG	2A	3698	1/1	0.89	0.34	108,108,108,108	0
56	MG	2a	1740	1/1	0.89	0.11	143,143,143,143	0
56	MG	1A	4855	1/1	0.89	0.20	59,59,59,59	0
56	MG	1A	4645	1/1	0.89	0.31	66,66,66,66	0
56	MG	1A	4359	1/1	0.89	0.17	71,71,71,71	0
56	MG	1A	4116	1/1	0.89	0.16	65,65,65,65	0
56	MG	1A	4318	1/1	0.89	0.59	81,81,81,81	0
56	MG	1a	1680	1/1	0.89	0.14	155,155,155,155	0
56	MG	2A	3599	1/1	0.89	0.26	122,122,122,122	0
56	MG	2A	3216	1/1	0.89	0.11	100,100,100,100	0
56	MG	1a	1613	1/1	0.89	0.19	91,91,91,91	0
56	MG	1a	1694	1/1	0.89	0.43	125,125,125,125	0
56	MG	1a	1691	1/1	0.89	0.47	117,117,117,117	0
56	MG	2A	3650	1/1	0.89	0.20	115,115,115,115	0
56	MG	2a	1656	1/1	0.89	0.09	145,145,145,145	0
56	MG	2a	1730	1/1	0.89	0.14	127,127,127,127	0
56	MG	2A	3720	1/1	0.89	0.10	122,122,122,122	0
56	MG	1a	1904	1/1	0.89	0.57	83,83,83,83	0
56	MG	1A	4279	1/1	0.89	0.31	64,64,64,64	0
56	MG	1P	201	1/1	0.89	0.46	53,53,53,53	0
56	MG	1A	4132	1/1	0.89	0.56	61,61,61,61	0
56	MG	26	101	1/1	0.89	0.93	121,121,121,121	0
56	MG	2A	3460	1/1	0.89	0.86	106,106,106,106	0
56	MG	1a	1640	1/1	0.89	0.39	115,115,115,115	0
56	MG	2A	3230	1/1	0.89	0.23	87,87,87,87	0
56	MG	2d	302	1/1	0.89	0.13	164,164,164,164	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	1A	4406	1/1	0.89	0.48	56,56,56,56	0
56	MG	1A	4398	1/1	0.89	0.23	75,75,75,75	0
56	MG	1A	4566	1/1	0.89	0.25	58,58,58,58	0
56	MG	2A	3088	1/1	0.89	0.21	72,72,72,72	0
56	MG	2A	3648	1/1	0.89	0.42	137,137,137,137	0
56	MG	1A	5002	1/1	0.89	0.81	61,61,61,61	0
56	MG	1A	5025	1/1	0.89	0.33	75,75,75,75	0
56	MG	2A	3704	1/1	0.89	0.28	95,95,95,95	0
56	MG	1A	5021	1/1	0.89	0.20	81,81,81,81	0
56	MG	1A	4868	1/1	0.89	0.17	62,62,62,62	0
56	MG	1E	308	1/1	0.89	0.50	68,68,68,68	0
56	MG	1a	1710	1/1	0.89	0.34	115,115,115,115	0
56	MG	1A	4545	1/1	0.89	0.23	65,65,65,65	0
56	MG	1a	1871	1/1	0.89	0.10	199,199,199,199	0
56	MG	2A	3310	1/1	0.89	0.57	117,117,117,117	0
56	MG	2A	3339	1/1	0.89	0.55	72,72,72,72	0
56	MG	1A	4684	1/1	0.89	0.56	52,52,52,52	0
56	MG	1B	208	1/1	0.89	0.34	94,94,94,94	0
56	MG	1A	4568	1/1	0.89	0.34	56,56,56,56	0
56	MG	26	103	1/1	0.89	0.57	119,119,119,119	0
56	MG	1A	4509	1/1	0.89	0.24	62,62,62,62	0
56	MG	1A	4968	1/1	0.89	0.69	82,82,82,82	0
56	MG	1A	4857	1/1	0.89	0.68	61,61,61,61	0
56	MG	2Z	402	1/1	0.89	1.17	120,120,120,120	0
56	MG	2a	1862	1/1	0.89	0.77	155,155,155,155	0
56	MG	1A	4954	1/1	0.89	0.26	62,62,62,62	0
56	MG	1A	4080	1/1	0.89	0.36	55,55,55,55	0
56	MG	1A	4244	1/1	0.89	0.40	51,51,51,51	0
56	MG	1a	1918	1/1	0.89	0.52	142,142,142,142	0
56	MG	2A	3369	1/1	0.89	0.14	84,84,84,84	0
56	MG	2B	222	1/1	0.89	0.23	133,133,133,133	0
56	MG	2A	3277	1/1	0.89	0.16	88,88,88,88	0
56	MG	1A	4135	1/1	0.89	0.21	78,78,78,78	0
56	MG	2a	1774	1/1	0.89	0.25	220,220,220,220	0
56	MG	1A	4432	1/1	0.89	0.20	95,95,95,95	0
56	MG	1A	4450	1/1	0.89	0.16	75,75,75,75	0
56	MG	2A	3558	1/1	0.89	0.78	93,93,93,93	0
56	MG	1A	4629	1/1	0.89	0.24	71,71,71,71	0
56	MG	2A	3644	1/1	0.90	0.16	155,155,155,155	0
56	MG	1A	4660	1/1	0.90	0.68	84,84,84,84	0
56	MG	2A	3797	1/1	0.90	0.36	97,97,97,97	0
56	MG	2a	1645	1/1	0.90	0.15	124,124,124,124	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	1A	4847	1/1	0.90	0.37	72,72,72,72	0
56	MG	2I	101	1/1	0.90	0.18	110,110,110,110	0
56	MG	2a	1807	1/1	0.90	0.26	122,122,122,122	0
56	MG	1A	4098	1/1	0.90	0.28	53,53,53,53	0
56	MG	1E	302	1/1	0.90	0.19	59,59,59,59	0
56	MG	2A	3821	1/1	0.90	0.28	89,89,89,89	0
56	MG	2A	3067	1/1	0.90	0.32	123,123,123,123	0
56	MG	1p	101	1/1	0.90	0.18	143,143,143,143	0
56	MG	2A	3377	1/1	0.90	0.50	116,116,116,116	0
56	MG	1A	4748	1/1	0.90	0.36	90,90,90,90	0
56	MG	1A	4066	1/1	0.90	0.34	98,98,98,98	0
56	MG	2A	3500	1/1	0.90	0.33	93,93,93,93	0
56	MG	2A	3192	1/1	0.90	0.13	99,99,99,99	0
56	MG	20	102	1/1	0.90	0.46	116,116,116,116	0
56	MG	2a	1856	1/1	0.90	0.22	147,147,147,147	0
56	MG	1A	5060	1/1	0.90	0.52	64,64,64,64	0
56	MG	1A	4543	1/1	0.90	0.39	83,83,83,83	0
56	MG	1A	4451	1/1	0.90	0.22	70,70,70,70	0
56	MG	1a	1866	1/1	0.90	0.20	224,224,224,224	0
56	MG	1A	4050	1/1	0.90	0.69	100,100,100,100	0
56	MG	2A	3075	1/1	0.90	0.08	142,142,142,142	0
56	MG	2A	3055	1/1	0.90	0.29	102,102,102,102	0
56	MG	2A	3297	1/1	0.90	0.80	80,80,80,80	0
56	MG	2D	303	1/1	0.90	0.22	109,109,109,109	0
56	MG	2A	3121	1/1	0.90	0.43	125,125,125,125	0
56	MG	1A	4925	1/1	0.90	0.17	72,72,72,72	0
56	MG	2a	1806	1/1	0.90	0.23	116,116,116,116	0
56	MG	2A	3104	1/1	0.90	0.35	53,53,53,53	0
56	MG	1a	1651	1/1	0.90	0.17	121,121,121,121	0
56	MG	1I	101	1/1	0.90	0.84	87,87,87,87	0
56	MG	2a	1843	1/1	0.90	0.37	253,253,253,253	0
56	MG	1A	4702	1/1	0.90	0.97	58,58,58,58	0
56	MG	1A	4586	1/1	0.90	0.21	73,73,73,73	0
56	MG	1A	4955	1/1	0.90	0.31	72,72,72,72	0
56	MG	1U	203	1/1	0.90	0.27	64,64,64,64	0
56	MG	1A	4449	1/1	0.90	0.23	79,79,79,79	0
56	MG	1A	4947	1/1	0.90	0.25	71,71,71,71	0
56	MG	2a	1867	1/1	0.90	0.51	79,79,79,79	0
56	MG	2a	1911	1/1	0.90	0.10	140,140,140,140	0
56	MG	2a	1707	1/1	0.90	0.18	85,85,85,85	0
56	MG	2A	3744	1/1	0.90	0.16	105,105,105,105	0
56	MG	1A	4501	1/1	0.90	0.35	71,71,71,71	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	2A	3684	1/1	0.90	0.22	94,94,94,94	0
56	MG	1A	4529	1/1	0.90	0.91	68,68,68,68	0
56	MG	1A	4752	1/1	0.90	0.34	63,63,63,63	0
56	MG	1A	4154	1/1	0.90	0.17	68,68,68,68	0
56	MG	2A	3530	1/1	0.90	0.13	133,133,133,133	0
56	MG	1A	4757	1/1	0.90	0.88	119,119,119,119	0
56	MG	2A	3425	1/1	0.90	0.38	102,102,102,102	0
56	MG	2A	3836	1/1	0.90	0.30	205,205,205,205	0
56	MG	1A	4321	1/1	0.90	0.36	102,102,102,102	0
56	MG	1A	4160	1/1	0.90	0.21	50,50,50,50	0
56	MG	1A	4239	1/1	0.90	0.22	56,56,56,56	0
56	MG	2A	3727	1/1	0.90	0.60	90,90,90,90	0
56	MG	1A	4811	1/1	0.90	0.81	63,63,63,63	0
56	MG	1A	4628	1/1	0.90	0.26	77,77,77,77	0
56	MG	1a	1790	1/1	0.90	0.48	87,87,87,87	0
56	MG	1A	4606	1/1	0.90	0.33	67,67,67,67	0
56	MG	2A	3835	1/1	0.90	0.31	121,121,121,121	0
56	MG	2A	3595	1/1	0.90	0.09	147,147,147,147	0
56	MG	2A	3676	1/1	0.90	0.61	125,125,125,125	0
56	MG	2A	3677	1/1	0.90	0.73	115,115,115,115	0
56	MG	1A	4385	1/1	0.90	0.50	55,55,55,55	0
56	MG	1a	1664	1/1	0.90	0.34	115,115,115,115	0
56	MG	2a	1841	1/1	0.90	0.36	224,224,224,224	0
56	MG	1A	4123	1/1	0.90	0.40	77,77,77,77	0
56	MG	2k	202	1/1	0.90	0.18	124,124,124,124	0
56	MG	1A	4008	1/1	0.90	0.28	71,71,71,71	0
56	MG	1a	1658	1/1	0.90	0.20	114,114,114,114	0
56	MG	1A	4943	1/1	0.90	0.51	61,61,61,61	0
56	MG	2A	3474	1/1	0.90	0.62	125,125,125,125	0
56	MG	2A	3456	1/1	0.90	0.40	83,83,83,83	0
56	MG	2A	3774	1/1	0.90	0.46	116,116,116,116	0
56	MG	1A	4625	1/1	0.90	0.56	118,118,118,118	0
56	MG	2a	1747	1/1	0.90	0.20	122,122,122,122	0
56	MG	1A	4949	1/1	0.90	0.29	69,69,69,69	0
56	MG	1A	4886	1/1	0.90	0.52	67,67,67,67	0
56	MG	2A	3571	1/1	0.90	0.29	172,172,172,172	0
56	MG	1A	4377	1/1	0.90	0.29	80,80,80,80	0
56	MG	1A	4376	1/1	0.90	0.28	61,61,61,61	0
56	MG	1A	5031	1/1	0.90	0.28	88,88,88,88	0
56	MG	2a	1870	1/1	0.90	0.21	108,108,108,108	0
56	MG	1A	4061	1/1	0.90	0.41	71,71,71,71	0
56	MG	2A	3540	1/1	0.90	0.28	148,148,148,148	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	1A	4100	1/1	0.90	0.34	66,66,66,66	0
56	MG	1a	1719	1/1	0.90	0.98	102,102,102,102	0
56	MG	1a	1619	1/1	0.90	0.39	95,95,95,95	0
56	MG	2A	3157	1/1	0.90	0.36	102,102,102,102	0
56	MG	2a	1890	1/1	0.90	0.31	125,125,125,125	0
56	MG	2a	1698	1/1	0.90	0.39	118,118,118,118	0
56	MG	2A	3009	1/1	0.90	0.61	94,94,94,94	0
56	MG	1A	4835	1/1	0.90	0.23	63,63,63,63	0
56	MG	2a	1872	1/1	0.90	0.58	120,120,120,120	0
56	MG	2A	3504	1/1	0.90	0.30	134,134,134,134	0
56	MG	2a	1650	1/1	0.90	0.37	136,136,136,136	0
56	MG	1H	201	1/1	0.90	0.24	69,69,69,69	0
56	MG	1a	1761	1/1	0.90	0.36	112,112,112,112	0
56	MG	1A	4131	1/1	0.90	0.34	56,56,56,56	0
56	MG	1A	4198	1/1	0.90	0.51	98,98,98,98	0
56	MG	2A	3671	1/1	0.90	0.23	85,85,85,85	0
56	MG	2A	3038	1/1	0.90	0.67	69,69,69,69	0
56	MG	2A	3850	1/1	0.90	0.23	109,109,109,109	0
56	MG	2A	3006	1/1	0.90	0.62	101,101,101,101	0
56	MG	1A	4224	1/1	0.90	0.37	64,64,64,64	0
56	MG	2A	3288	1/1	0.90	0.47	102,102,102,102	0
56	MG	1b	303	1/1	0.90	0.08	166,166,166,166	0
56	MG	2B	219	1/1	0.90	0.51	77,77,77,77	0
56	MG	1A	4499	1/1	0.90	1.38	59,59,59,59	0
56	MG	1A	4661	1/1	0.90	0.61	80,80,80,80	0
56	MG	2A	3260	1/1	0.90	0.33	78,78,78,78	0
56	MG	1a	1880	1/1	0.90	0.15	125,125,125,125	0
56	MG	2u	102	1/1	0.90	0.12	241,241,241,241	0
56	MG	1A	5019	1/1	0.90	0.47	75,75,75,75	0
56	MG	2A	3478	1/1	0.90	0.52	127,127,127,127	0
56	MG	1A	4589	1/1	0.90	0.29	79,79,79,79	0
56	MG	2A	3806	1/1	0.90	0.26	114,114,114,114	0
56	MG	1a	1882	1/1	0.90	0.29	87,87,87,87	0
56	MG	1a	1718	1/1	0.91	0.79	107,107,107,107	0
56	MG	2A	3844	1/1	0.91	0.58	107,107,107,107	0
56	MG	1A	4026	1/1	0.91	0.29	69,69,69,69	0
56	MG	1a	1766	1/1	0.91	0.34	129,129,129,129	0
56	MG	1A	4312	1/1	0.91	1.07	115,115,115,115	0
56	MG	2A	3712	1/1	0.91	0.49	92,92,92,92	0
56	MG	1a	1690	1/1	0.91	0.14	124,124,124,124	0
56	MG	1A	4078	1/1	0.91	0.41	66,66,66,66	0
56	MG	1A	5062	1/1	0.91	0.57	87,87,87,87	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	2A	3040	1/1	0.91	0.34	116,116,116,116	0
56	MG	1A	4724	1/1	0.91	0.29	80,80,80,80	0
56	MG	2A	3686	1/1	0.91	0.23	107,107,107,107	0
56	MG	1A	4185	1/1	0.91	0.26	62,62,62,62	0
56	MG	2A	3335	1/1	0.91	0.31	97,97,97,97	0
56	MG	1A	4273	1/1	0.91	0.29	69,69,69,69	0
56	MG	1A	5003	1/1	0.91	0.27	65,65,65,65	0
56	MG	2A	3708	1/1	0.91	0.32	100,100,100,100	0
56	MG	2A	3324	1/1	0.91	0.34	87,87,87,87	0
56	MG	2a	1788	1/1	0.91	0.25	229,229,229,229	0
56	MG	1A	4368	1/1	0.91	0.18	63,63,63,63	0
56	MG	2A	3765	1/1	0.91	0.13	120,120,120,120	0
56	MG	2A	3575	1/1	0.91	0.46	70,70,70,70	0
56	MG	1B	216	1/1	0.91	0.45	69,69,69,69	0
56	MG	2A	3627	1/1	0.91	0.19	165,165,165,165	0
56	MG	2A	3394	1/1	0.91	0.07	131,131,131,131	0
56	MG	1A	4460	1/1	0.91	0.13	77,77,77,77	0
56	MG	2A	3818	1/1	0.91	0.21	136,136,136,136	0
56	MG	2a	1778	1/1	0.91	0.85	162,162,162,162	0
56	MG	1A	4011	1/1	0.91	0.36	70,70,70,70	0
56	MG	2y	105	1/1	0.91	0.07	262,262,262,262	0
56	MG	2A	3685	1/1	0.91	0.22	109,109,109,109	0
56	MG	1A	4120	1/1	0.91	0.56	79,79,79,79	0
56	MG	2A	3782	1/1	0.91	0.61	139,139,139,139	0
56	MG	2A	3560	1/1	0.91	0.31	95,95,95,95	0
56	MG	28	105	1/1	0.91	0.40	119,119,119,119	0
56	MG	2A	3300	1/1	0.91	0.91	96,96,96,96	0
60	K	2A	3001	1/1	0.91	0.95	108,108,108,108	0
56	MG	2A	3484	1/1	0.91	0.47	119,119,119,119	0
56	MG	2a	1662	1/1	0.91	0.14	150,150,150,150	0
56	MG	2A	3491	1/1	0.91	0.64	133,133,133,133	0
56	MG	1A	4957	1/1	0.91	0.33	79,79,79,79	0
56	MG	2A	3564	1/1	0.91	0.15	102,102,102,102	0
56	MG	2a	1896	1/1	0.91	0.56	98,98,98,98	0
56	MG	2A	3400	1/1	0.91	0.39	225,225,225,225	0
56	MG	2A	3379	1/1	0.91	0.13	101,101,101,101	0
56	MG	1A	4688	1/1	0.91	0.28	65,65,65,65	0
56	MG	1a	1683	1/1	0.91	0.39	83,83,83,83	0
56	MG	1A	4754	1/1	0.91	0.28	62,62,62,62	0
56	MG	2A	3420	1/1	0.91	0.33	121,121,121,121	0
56	MG	2a	1920	1/1	0.91	0.19	222,222,222,222	0
56	MG	1A	5056	1/1	0.91	0.11	137,137,137,137	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	1A	4117	1/1	0.91	0.38	73,73,73,73	0
56	MG	1A	4230	1/1	0.91	0.17	102,102,102,102	0
56	MG	2A	3235	1/1	0.91	0.37	97,97,97,97	0
56	MG	2A	3483	1/1	0.91	0.87	106,106,106,106	0
56	MG	1A	4613	1/1	0.91	0.21	70,70,70,70	0
56	MG	1A	4708	1/1	0.91	0.34	70,70,70,70	0
56	MG	2a	1772	1/1	0.91	0.51	70,70,70,70	0
56	MG	1A	4064	1/1	0.91	0.30	69,69,69,69	0
56	MG	1A	4592	1/1	0.91	0.18	90,90,90,90	0
56	MG	2A	3736	1/1	0.91	0.60	108,108,108,108	0
56	MG	1A	4879	1/1	0.91	0.28	77,77,77,77	0
56	MG	1A	4028	1/1	0.91	0.34	58,58,58,58	0
56	MG	2A	3095	1/1	0.91	0.29	106,106,106,106	0
56	MG	2B	206	1/1	0.91	0.72	103,103,103,103	0
56	MG	2A	3490	1/1	0.91	0.60	76,76,76,76	0
56	MG	2a	1619	1/1	0.91	0.08	68,68,68,68	0
56	MG	1A	4576	1/1	0.91	0.48	55,55,55,55	0
56	MG	2A	3551	1/1	0.91	0.22	104,104,104,104	0
56	MG	1A	4472	1/1	0.91	0.40	54,54,54,54	0
56	MG	2a	1667	1/1	0.91	0.21	151,151,151,151	0
56	MG	2A	3809	1/1	0.91	0.72	86,86,86,86	0
56	MG	1A	4665	1/1	0.91	0.62	78,78,78,78	0
56	MG	2A	3667	1/1	0.91	0.34	93,93,93,93	0
56	MG	2a	1784	1/1	0.91	0.42	90,90,90,90	0
56	MG	1A	4946	1/1	0.91	0.16	52,52,52,52	0
56	MG	1a	1755	1/1	0.91	0.32	100,100,100,100	0
56	MG	1a	1836	1/1	0.91	0.07	225,225,225,225	0
56	MG	2A	3041	1/1	0.91	0.34	117,117,117,117	0
56	MG	2A	3419	1/1	0.91	0.47	135,135,135,135	0
56	MG	1A	4784	1/1	0.91	0.31	87,87,87,87	0
56	MG	1A	4072	1/1	0.91	0.21	63,63,63,63	0
56	MG	2a	1787	1/1	0.91	0.23	231,231,231,231	0
56	MG	2A	3581	1/1	0.91	0.18	116,116,116,116	0
56	MG	1B	213	1/1	0.91	0.71	88,88,88,88	0
56	MG	1A	4308	1/1	0.91	0.68	98,98,98,98	0
56	MG	1A	5040	1/1	0.91	0.21	78,78,78,78	0
56	MG	2A	3037	1/1	0.91	0.81	104,104,104,104	0
56	MG	1v	702	1/1	0.91	0.68	91,91,91,91	0
56	MG	2A	3089	1/1	0.91	0.36	122,122,122,122	0
56	MG	1A	4463	1/1	0.91	0.26	62,62,62,62	0
56	MG	2A	3522	1/1	0.91	0.49	98,98,98,98	0
56	MG	2h	205	1/1	0.91	0.46	152,152,152,152	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	1a	1873	1/1	0.91	0.08	214,214,214,214	0
56	MG	2a	1712	1/1	0.91	0.67	148,148,148,148	0
56	MG	2a	1670	1/1	0.91	0.14	163,163,163,163	0
56	MG	2a	1827	1/1	0.91	1.19	122,122,122,122	0
56	MG	1B	201	1/1	0.91	1.00	106,106,106,106	0
56	MG	1A	4370	1/1	0.91	0.25	61,61,61,61	0
56	MG	1A	4203	1/1	0.91	0.21	61,61,61,61	0
56	MG	1A	4845	1/1	0.91	0.52	68,68,68,68	0
56	MG	1A	4635	1/1	0.91	0.40	68,68,68,68	0
56	MG	2A	3626	1/1	0.91	0.13	158,158,158,158	0
56	MG	1A	4429	1/1	0.91	0.49	54,54,54,54	0
56	MG	2A	3236	1/1	0.91	0.48	96,96,96,96	0
56	MG	2A	3156	1/1	0.91	0.40	100,100,100,100	0
56	MG	2a	1621	1/1	0.91	0.25	162,162,162,162	0
56	MG	1A	4652	1/1	0.91	0.45	84,84,84,84	0
56	MG	1A	5016	1/1	0.91	0.71	81,81,81,81	0
56	MG	2A	3534	1/1	0.91	0.18	133,133,133,133	0
56	MG	2a	1803	1/1	0.91	0.22	127,127,127,127	0
56	MG	1A	4082	1/1	0.91	0.19	58,58,58,58	0
56	MG	2a	1690	1/1	0.91	0.40	155,155,155,155	0
56	MG	24	101	1/1	0.91	0.11	73,73,73,73	0
56	MG	2A	3202	1/1	0.91	0.32	114,114,114,114	0
56	MG	2A	3448	1/1	0.91	0.83	78,78,78,78	0
56	MG	1A	4585	1/1	0.91	0.30	65,65,65,65	0
56	MG	2a	1633	1/1	0.91	0.37	125,125,125,125	0
56	MG	2A	3150	1/1	0.91	0.40	105,105,105,105	0
56	MG	1A	4280	1/1	0.91	0.43	55,55,55,55	0
56	MG	1A	4608	1/1	0.91	0.26	70,70,70,70	0
56	MG	2a	1717	1/1	0.91	0.24	143,143,143,143	0
56	MG	1A	4901	1/1	0.91	0.21	61,61,61,61	0
56	MG	1A	4831	1/1	0.91	0.88	109,109,109,109	0
56	MG	1A	4487	1/1	0.91	0.12	75,75,75,75	0
56	MG	1A	4097	1/1	0.91	0.23	57,57,57,57	0
56	MG	1A	4497	1/1	0.91	0.21	69,69,69,69	0
56	MG	1A	4774	1/1	0.92	0.32	68,68,68,68	0
56	MG	2A	3391	1/1	0.92	0.12	122,122,122,122	0
56	MG	1A	4598	1/1	0.92	0.57	59,59,59,59	0
56	MG	1A	4525	1/1	0.92	0.70	104,104,104,104	0
56	MG	2q	204	1/1	0.92	0.61	141,141,141,141	0
56	MG	1d	303	1/1	0.92	0.49	151,151,151,151	0
56	MG	1a	1605	1/1	0.92	0.24	89,89,89,89	0
56	MG	2A	3439	1/1	0.92	0.45	56,56,56,56	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	1A	4157	1/1	0.92	0.40	52,52,52,52	0
56	MG	2A	3007	1/1	0.92	0.74	98,98,98,98	0
56	MG	2B	231	1/1	0.92	0.24	152,152,152,152	0
56	MG	2A	3553	1/1	0.92	0.15	106,106,106,106	0
56	MG	2A	3750	1/1	0.92	0.16	104,104,104,104	0
56	MG	1b	309	1/1	0.92	0.27	171,171,171,171	0
56	MG	1A	4657	1/1	0.92	0.26	84,84,84,84	0
56	MG	1A	4961	1/1	0.92	0.14	100,100,100,100	0
56	MG	1A	4348	1/1	0.92	0.38	62,62,62,62	0
56	MG	1t	201	1/1	0.92	0.15	42,42,42,42	0
56	MG	2A	3135	1/1	0.92	0.20	105,105,105,105	0
56	MG	2a	1834	1/1	0.92	0.13	161,161,161,161	0
56	MG	1A	4337	1/1	0.92	0.28	59,59,59,59	0
56	MG	1a	1779	1/1	0.92	0.58	122,122,122,122	0
56	MG	2A	3447	1/1	0.92	0.53	87,87,87,87	0
56	MG	2A	3343	1/1	0.92	0.38	89,89,89,89	0
56	MG	1a	1639	1/1	0.92	0.31	112,112,112,112	0
56	MG	1A	4695	1/1	0.92	0.25	74,74,74,74	0
56	MG	2A	3130	1/1	0.92	0.86	136,136,136,136	0
56	MG	1a	1697	1/1	0.92	0.25	142,142,142,142	0
56	MG	2A	3046	1/1	0.92	0.29	91,91,91,91	0
56	MG	1a	1648	1/1	0.92	0.41	135,135,135,135	0
56	MG	2A	3725	1/1	0.92	0.41	79,79,79,79	0
56	MG	1A	4664	1/1	0.92	0.18	73,73,73,73	0
56	MG	1A	4015	1/1	0.92	0.83	63,63,63,63	0
56	MG	1A	4530	1/1	0.92	0.32	68,68,68,68	0
56	MG	1A	4833	1/1	0.92	0.64	70,70,70,70	0
56	MG	1a	1862	1/1	0.92	0.23	215,215,215,215	0
56	MG	2t	201	1/1	0.92	0.31	159,159,159,159	0
56	MG	2a	1882	1/1	0.92	0.11	163,163,163,163	0
56	MG	1A	4981	1/1	0.92	0.20	57,57,57,57	0
56	MG	2b	303	1/1	0.92	0.95	185,185,185,185	0
56	MG	2a	1874	1/1	0.92	0.51	155,155,155,155	0
56	MG	2A	3760	1/1	0.92	0.28	133,133,133,133	0
56	MG	1A	4504	1/1	0.92	0.19	92,92,92,92	0
56	MG	1A	4911	1/1	0.92	0.24	62,62,62,62	0
56	MG	1a	1821	1/1	0.92	0.15	202,202,202,202	0
56	MG	1a	1879	1/1	0.92	0.20	97,97,97,97	0
56	MG	1A	4379	1/1	0.92	0.74	95,95,95,95	0
56	MG	2y	107	1/1	0.92	0.57	207,207,207,207	0
56	MG	1A	4310	1/1	0.92	0.68	73,73,73,73	0
56	MG	2A	3179	1/1	0.92	0.74	139,139,139,139	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	2a	1859	1/1	0.92	0.15	160,160,160,160	0
56	MG	2A	3072	1/1	0.92	0.19	133,133,133,133	0
56	MG	1A	4488	1/1	0.92	0.48	85,85,85,85	0
56	MG	1A	4156	1/1	0.92	0.30	54,54,54,54	0
56	MG	1A	4777	1/1	0.92	0.23	68,68,68,68	0
56	MG	2A	3309	1/1	0.92	0.22	108,108,108,108	0
56	MG	1a	1874	1/1	0.92	0.32	196,196,196,196	0
56	MG	20	106	1/1	0.92	0.07	128,128,128,128	0
56	MG	2a	1865	1/1	0.92	0.14	119,119,119,119	0
56	MG	2A	3444	1/1	0.92	0.30	99,99,99,99	0
56	MG	1A	4142	1/1	0.92	0.18	66,66,66,66	0
56	MG	1A	4786	1/1	0.92	0.17	63,63,63,63	0
56	MG	2A	3134	1/1	0.92	0.69	83,83,83,83	0
56	MG	1A	4837	1/1	0.92	0.19	57,57,57,57	0
56	MG	2a	1721	1/1	0.92	0.39	145,145,145,145	0
56	MG	1A	4112	1/1	0.92	0.22	59,59,59,59	0
56	MG	1R	202	1/1	0.92	0.62	56,56,56,56	0
56	MG	1A	4897	1/1	0.92	1.03	66,66,66,66	0
56	MG	1A	4484	1/1	0.92	0.34	60,60,60,60	0
56	MG	1A	4506	1/1	0.92	0.49	96,96,96,96	0
56	MG	1a	1724	1/1	0.92	0.21	126,126,126,126	0
56	MG	1A	5037	1/1	0.92	0.11	78,78,78,78	0
56	MG	1B	207	1/1	0.92	0.61	88,88,88,88	0
56	MG	2A	3542	1/1	0.92	0.15	110,110,110,110	0
56	MG	2A	3441	1/1	0.92	0.19	109,109,109,109	0
56	MG	2A	3463	1/1	0.92	0.60	67,67,67,67	0
56	MG	1A	4063	1/1	0.92	0.31	64,64,64,64	0
56	MG	2A	3291	1/1	0.92	0.34	75,75,75,75	0
56	MG	2A	3063	1/1	0.92	0.19	83,83,83,83	0
56	MG	2A	3061	1/1	0.92	0.84	92,92,92,92	0
56	MG	1A	4235	1/1	0.92	0.29	57,57,57,57	0
56	MG	1S	201	1/1	0.92	0.58	74,74,74,74	0
56	MG	1Z	302	1/1	0.92	0.77	98,98,98,98	0
56	MG	1A	4637	1/1	0.92	0.12	68,68,68,68	0
56	MG	2a	1846	1/1	0.92	0.26	225,225,225,225	0
56	MG	1A	4749	1/1	0.92	0.31	77,77,77,77	0
56	MG	1A	4972	1/1	0.92	0.19	77,77,77,77	0
56	MG	1a	1830	1/1	0.92	0.10	194,194,194,194	0
56	MG	1A	4527	1/1	0.92	0.43	76,76,76,76	0
56	MG	1a	1740	1/1	0.92	0.20	151,151,151,151	0
56	MG	2A	3254	1/1	0.92	0.09	122,122,122,122	0
56	MG	1A	4341	1/1	0.92	0.21	48,48,48,48	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	2B	229	1/1	0.92	0.17	150,150,150,150	0
56	MG	1A	4340	1/1	0.92	0.20	57,57,57,57	0
56	MG	2A	3816	1/1	0.92	0.40	121,121,121,121	0
56	MG	2A	3733	1/1	0.92	0.27	77,77,77,77	0
56	MG	10	102	1/1	0.92	0.36	69,69,69,69	0
56	MG	2A	3003	1/1	0.92	0.38	108,108,108,108	0
56	MG	1A	4502	1/1	0.92	0.44	70,70,70,70	0
56	MG	1A	4247	1/1	0.92	0.31	49,49,49,49	0
56	MG	1a	1797	1/1	0.92	0.33	85,85,85,85	0
56	MG	2A	3729	1/1	0.92	0.30	83,83,83,83	0
56	MG	1A	4333	1/1	0.92	0.09	83,83,83,83	0
56	MG	1a	1701	1/1	0.92	0.08	153,153,153,153	0
56	MG	1A	4821	1/1	0.92	0.21	73,73,73,73	0
56	MG	1A	4594	1/1	0.92	0.31	64,64,64,64	0
56	MG	2A	3628	1/1	0.92	0.53	119,119,119,119	0
56	MG	1a	1608	1/1	0.92	0.36	69,69,69,69	0
56	MG	1W	202	1/1	0.92	0.22	55,55,55,55	0
56	MG	1A	4035	1/1	0.92	0.46	73,73,73,73	0
56	MG	1A	4486	1/1	0.92	0.32	67,67,67,67	0
56	MG	1A	4328	1/1	0.92	0.42	55,55,55,55	0
56	MG	1A	4719	1/1	0.92	0.12	89,89,89,89	0
56	MG	1A	4313	1/1	0.92	0.44	50,50,50,50	0
56	MG	1A	4193	1/1	0.92	0.15	64,64,64,64	0
56	MG	2A	3258	1/1	0.92	0.45	75,75,75,75	0
56	MG	1a	1774	1/1	0.92	0.46	139,139,139,139	0
56	MG	2A	3481	1/1	0.92	0.43	112,112,112,112	0
56	MG	2A	3080	1/1	0.92	0.05	127,127,127,127	0
56	MG	2A	3259	1/1	0.92	0.50	82,82,82,82	0
56	MG	1a	1732	1/1	0.92	0.59	144,144,144,144	0
56	MG	2a	1861	1/1	0.92	0.08	153,153,153,153	0
56	MG	2Q	203	1/1	0.92	0.61	107,107,107,107	0
56	MG	1A	4693	1/1	0.92	0.29	67,67,67,67	0
56	MG	1A	4412	1/1	0.92	0.32	62,62,62,62	0
56	MG	2a	1739	1/1	0.92	0.39	151,151,151,151	0
56	MG	2a	1704	1/1	0.92	0.20	160,160,160,160	0
56	MG	1A	4339	1/1	0.92	0.21	59,59,59,59	0
56	MG	1A	4180	1/1	0.92	0.38	48,48,48,48	0
56	MG	2A	3839	1/1	0.92	0.20	139,139,139,139	0
56	MG	2A	3726	1/1	0.92	0.20	91,91,91,91	0
57	ZN	26	102	1/1	0.92	0.07	130,130,130,130	0
56	MG	1A	4701	1/1	0.92	0.34	68,68,68,68	0
56	MG	2A	3164	1/1	0.92	0.42	97,97,97,97	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	1A	4149	1/1	0.92	0.66	59,59,59,59	0
56	MG	1A	4290	1/1	0.92	0.58	70,70,70,70	0
56	MG	1a	1624	1/1	0.92	0.19	102,102,102,102	0
56	MG	2a	1724	1/1	0.92	0.51	141,141,141,141	0
56	MG	1A	4560	1/1	0.92	0.17	59,59,59,59	0
56	MG	2y	102	1/1	0.92	0.20	73,73,73,73	0
56	MG	1a	1878	1/1	0.93	0.16	105,105,105,105	0
56	MG	2A	3226	1/1	0.93	0.19	100,100,100,100	0
56	MG	2A	3048	1/1	0.93	0.20	88,88,88,88	0
56	MG	2A	3042	1/1	0.93	0.34	112,112,112,112	0
56	MG	1A	4267	1/1	0.93	0.38	63,63,63,63	0
56	MG	1A	4840	1/1	0.93	0.21	71,71,71,71	0
56	MG	1a	1744	1/1	0.93	0.28	132,132,132,132	0
56	MG	1A	4286	1/1	0.93	0.22	71,71,71,71	0
56	MG	1A	4389	1/1	0.93	0.11	78,78,78,78	0
56	MG	1A	5007	1/1	0.93	0.19	92,92,92,92	0
56	MG	1A	5023	1/1	0.93	0.28	58,58,58,58	0
56	MG	1A	4547	1/1	0.93	0.38	129,129,129,129	0
56	MG	1B	226	1/1	0.93	0.31	64,64,64,64	0
56	MG	1A	4965	1/1	0.93	0.23	66,66,66,66	0
56	MG	2A	3535	1/1	0.93	0.11	141,141,141,141	0
56	MG	1A	4324	1/1	0.93	0.80	78,78,78,78	0
56	MG	2A	3721	1/1	0.93	0.29	118,118,118,118	0
56	MG	2A	3594	1/1	0.93	0.12	74,74,74,74	0
56	MG	1A	4912	1/1	0.93	0.41	57,57,57,57	0
56	MG	2A	3012	1/1	0.93	0.51	108,108,108,108	0
56	MG	2A	3544	1/1	0.93	0.22	108,108,108,108	0
56	MG	1A	4326	1/1	0.93	0.32	67,67,67,67	0
56	MG	1A	4797	1/1	0.93	0.40	78,78,78,78	0
56	MG	2A	3636	1/1	0.93	0.21	125,125,125,125	0
56	MG	1a	1689	1/1	0.93	0.13	133,133,133,133	0
56	MG	1A	5005	1/1	0.93	0.25	86,86,86,86	0
56	MG	1A	4124	1/1	0.93	0.21	76,76,76,76	0
56	MG	1A	4231	1/1	0.93	0.10	72,72,72,72	0
56	MG	2a	1809	1/1	0.93	0.24	122,122,122,122	0
56	MG	2A	3162	1/1	0.93	0.30	102,102,102,102	0
56	MG	1T	203	1/1	0.93	0.76	62,62,62,62	0
56	MG	1A	4941	1/1	0.93	0.20	61,61,61,61	0
56	MG	2E	301	1/1	0.93	0.19	91,91,91,91	0
56	MG	2A	3411	1/1	0.93	0.34	100,100,100,100	0
56	MG	1A	4077	1/1	0.93	0.24	78,78,78,78	0
56	MG	2A	3415	1/1	0.93	0.28	124,124,124,124	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	1A	4775	1/1	0.93	0.32	78,78,78,78	0
56	MG	1a	1625	1/1	0.93	0.39	80,80,80,80	0
56	MG	1A	4090	1/1	0.93	0.36	55,55,55,55	0
56	MG	2A	3144	1/1	0.93	0.33	65,65,65,65	0
56	MG	1A	4575	1/1	0.93	0.24	56,56,56,56	0
56	MG	2A	3489	1/1	0.93	0.49	53,53,53,53	0
56	MG	1A	4133	1/1	0.93	0.37	58,58,58,58	0
56	MG	2A	3039	1/1	0.93	0.65	80,80,80,80	0
56	MG	2B	211	1/1	0.93	0.56	88,88,88,88	0
56	MG	1a	1655	1/1	0.93	0.18	120,120,120,120	0
56	MG	1A	4433	1/1	0.93	0.15	79,79,79,79	0
56	MG	1A	4022	1/1	0.93	0.78	111,111,111,111	0
56	MG	25	101	1/1	0.93	0.39	45,45,45,45	0
56	MG	1A	4643	1/1	0.93	0.22	64,64,64,64	0
56	MG	2b	301	1/1	0.93	0.08	199,199,199,199	0
56	MG	2A	3218	1/1	0.93	0.16	103,103,103,103	0
56	MG	1A	4864	1/1	0.93	0.19	75,75,75,75	0
56	MG	2a	1742	1/1	0.93	0.59	148,148,148,148	0
56	MG	2A	3604	1/1	0.93	0.15	110,110,110,110	0
56	MG	1A	4238	1/1	0.93	0.28	59,59,59,59	0
56	MG	1A	4223	1/1	0.93	0.13	70,70,70,70	0
56	MG	1A	4363	1/1	0.93	0.13	72,72,72,72	0
56	MG	1B	215	1/1	0.93	0.33	65,65,65,65	0
56	MG	2A	3569	1/1	0.93	0.21	96,96,96,96	0
56	MG	1A	4234	1/1	0.93	0.34	59,59,59,59	0
56	MG	1A	4106	1/1	0.93	0.33	50,50,50,50	0
56	MG	1A	4059	1/1	0.93	0.36	72,72,72,72	0
56	MG	1A	4108	1/1	0.93	0.34	52,52,52,52	0
56	MG	2A	3655	1/1	0.93	0.55	117,117,117,117	0
56	MG	2a	1652	1/1	0.93	0.11	142,142,142,142	0
56	MG	2A	3331	1/1	0.93	0.48	91,91,91,91	0
56	MG	2A	3093	1/1	0.93	0.35	96,96,96,96	0
56	MG	1a	1753	1/1	0.93	0.21	115,115,115,115	0
56	MG	2A	3005	1/1	0.93	0.87	102,102,102,102	0
56	MG	2A	3734	1/1	0.93	0.32	108,108,108,108	0
56	MG	1A	4457	1/1	0.93	0.18	81,81,81,81	0
56	MG	1a	1870	1/1	0.93	0.14	220,220,220,220	0
56	MG	2A	3279	1/1	0.93	0.58	80,80,80,80	0
56	MG	1A	4058	1/1	0.93	0.68	67,67,67,67	0
56	MG	2A	3660	1/1	0.93	0.34	147,147,147,147	0
56	MG	2A	3126	1/1	0.93	0.25	138,138,138,138	0
56	MG	1A	4049	1/1	0.93	0.43	97,97,97,97	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	2b	302	1/1	0.93	0.14	196,196,196,196	0
56	MG	1A	4781	1/1	0.93	0.45	81,81,81,81	0
56	MG	1A	4734	1/1	0.93	0.21	64,64,64,64	0
56	MG	17	101	1/1	0.93	0.40	58,58,58,58	0
56	MG	2a	1915	1/1	0.93	0.09	123,123,123,123	0
56	MG	2a	1829	1/1	0.93	0.18	147,147,147,147	0
56	MG	1A	4739	1/1	0.93	0.17	74,74,74,74	0
56	MG	2A	3344	1/1	0.93	0.23	91,91,91,91	0
56	MG	1A	4482	1/1	0.93	0.17	61,61,61,61	0
56	MG	1A	4537	1/1	0.93	0.47	66,66,66,66	0
56	MG	1A	4726	1/1	0.93	0.44	79,79,79,79	0
56	MG	1A	4083	1/1	0.93	0.17	58,58,58,58	0
56	MG	1a	1896	1/1	0.93	0.19	114,114,114,114	0
56	MG	1A	4583	1/1	0.93	0.27	56,56,56,56	0
56	MG	1A	4405	1/1	0.93	0.13	71,71,71,71	0
56	MG	1A	4296	1/1	0.93	0.84	82,82,82,82	0
56	MG	2A	3004	1/1	0.93	0.83	93,93,93,93	0
56	MG	1A	4448	1/1	0.93	0.44	78,78,78,78	0
56	MG	2a	1814	1/1	0.93	0.23	142,142,142,142	0
56	MG	2A	3625	1/1	0.93	0.55	146,146,146,146	0
56	MG	1A	4669	1/1	0.93	0.50	89,89,89,89	0
56	MG	2A	3170	1/1	0.93	0.48	90,90,90,90	0
56	MG	1A	4381	1/1	0.93	0.17	72,72,72,72	0
56	MG	2A	3366	1/1	0.93	0.57	82,82,82,82	0
56	MG	1A	4694	1/1	0.93	0.36	70,70,70,70	0
56	MG	1Y	301	1/1	0.93	0.14	85,85,85,85	0
56	MG	1A	4926	1/1	0.93	0.40	76,76,76,76	0
56	MG	2A	3056	1/1	0.93	0.74	107,107,107,107	0
56	MG	2a	1851	1/1	0.93	0.09	145,145,145,145	0
56	MG	1B	218	1/1	0.93	0.41	61,61,61,61	0
56	MG	1A	4489	1/1	0.93	0.11	75,75,75,75	0
56	MG	1a	1799	1/1	0.93	0.16	113,113,113,113	0
56	MG	2A	3480	1/1	0.93	0.31	132,132,132,132	0
56	MG	1A	4865	1/1	0.93	0.33	64,64,64,64	0
56	MG	1A	4561	1/1	0.93	0.21	57,57,57,57	0
56	MG	1A	4980	1/1	0.93	1.06	59,59,59,59	0
56	MG	2S	201	1/1	0.93	0.17	87,87,87,87	0
56	MG	2A	3215	1/1	0.93	0.21	100,100,100,100	0
56	MG	1A	4623	1/1	0.93	0.30	85,85,85,85	0
56	MG	1A	4065	1/1	0.93	0.81	67,67,67,67	0
56	MG	1A	4387	1/1	0.93	0.22	81,81,81,81	0
56	MG	1A	4394	1/1	0.93	0.26	60,60,60,60	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	1A	4189	1/1	0.93	0.26	60,60,60,60	0
56	MG	2A	3052	1/1	0.93	0.15	103,103,103,103	0
56	MG	1A	4071	1/1	0.93	0.19	77,77,77,77	0
56	MG	2a	1613	1/1	0.93	0.25	147,147,147,147	0
56	MG	1a	1733	1/1	0.93	0.12	149,149,149,149	0
56	MG	2a	1852	1/1	0.93	0.27	45,45,45,45	0
56	MG	1A	4143	1/1	0.93	0.20	62,62,62,62	0
56	MG	1A	4148	1/1	0.93	0.22	64,64,64,64	0
56	MG	2A	3756	1/1	0.93	0.31	137,137,137,137	0
56	MG	1A	4222	1/1	0.93	0.28	70,70,70,70	0
56	MG	1a	1861	1/1	0.93	0.25	216,216,216,216	0
56	MG	2A	3413	1/1	0.93	0.17	126,126,126,126	0
56	MG	1a	1841	1/1	0.93	0.23	231,231,231,231	0
56	MG	1A	4727	1/1	0.93	0.30	82,82,82,82	0
56	MG	2A	3505	1/1	0.93	0.32	129,129,129,129	0
56	MG	1A	4069	1/1	0.93	0.31	72,72,72,72	0
56	MG	1A	4081	1/1	0.93	0.29	57,57,57,57	0
56	MG	1A	4923	1/1	0.93	0.22	66,66,66,66	0
56	MG	1A	4299	1/1	0.93	0.32	95,95,95,95	0
56	MG	2A	3503	1/1	0.93	0.37	103,103,103,103	0
56	MG	2A	3746	1/1	0.93	0.24	93,93,93,93	0
56	MG	2A	3239	1/1	0.93	0.26	108,108,108,108	0
56	MG	1a	1883	1/1	0.93	0.30	124,124,124,124	0
56	MG	2P	202	1/1	0.93	0.56	127,127,127,127	0
56	MG	1a	1855	1/1	0.93	0.81	230,230,230,230	0
56	MG	1A	4690	1/1	0.93	0.15	83,83,83,83	0
56	MG	1A	4542	1/1	0.93	0.21	56,56,56,56	0
56	MG	2A	3125	1/1	0.93	0.19	81,81,81,81	0
56	MG	1a	1800	1/1	0.93	0.10	119,119,119,119	0
56	MG	2A	3588	1/1	0.93	0.09	127,127,127,127	0
56	MG	1A	4233	1/1	0.93	0.22	65,65,65,65	0
56	MG	1A	4367	1/1	0.93	0.33	56,56,56,56	0
56	MG	1B	224	1/1	0.93	0.50	83,83,83,83	0
56	MG	1A	4372	1/1	0.93	0.30	57,57,57,57	0
56	MG	1A	4722	1/1	0.93	0.39	75,75,75,75	0
56	MG	2A	3458	1/1	0.93	0.44	90,90,90,90	0
56	MG	2a	1914	1/1	0.93	0.12	242,242,242,242	0
56	MG	2a	1702	1/1	0.93	0.41	156,156,156,156	0
56	MG	1A	4672	1/1	0.93	0.54	67,67,67,67	0
56	MG	1A	4619	1/1	0.93	0.25	103,103,103,103	0
56	MG	2A	3570	1/1	0.93	0.16	167,167,167,167	0
56	MG	1A	4725	1/1	0.93	0.17	73,73,73,73	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	1A	4815	1/1	0.94	0.52	77,77,77,77	0
56	MG	1A	4263	1/1	0.94	0.56	51,51,51,51	0
56	MG	1a	1700	1/1	0.94	0.16	161,161,161,161	0
56	MG	2A	3301	1/1	0.94	0.34	96,96,96,96	0
56	MG	2A	3603	1/1	0.94	0.13	103,103,103,103	0
56	MG	2A	3845	1/1	0.94	0.82	85,85,85,85	0
56	MG	2A	3171	1/1	0.94	0.46	88,88,88,88	0
56	MG	2A	3520	1/1	0.94	0.19	91,91,91,91	0
56	MG	2A	3178	1/1	0.94	0.48	116,116,116,116	0
56	MG	1a	1617	1/1	0.94	0.41	79,79,79,79	0
56	MG	1a	1703	1/1	0.94	0.10	149,149,149,149	0
56	MG	2A	3060	1/1	0.94	0.52	85,85,85,85	0
56	MG	1A	4007	1/1	0.94	0.22	64,64,64,64	0
56	MG	1A	4836	1/1	0.94	0.29	58,58,58,58	0
56	MG	1A	4477	1/1	0.94	0.30	71,71,71,71	0
56	MG	1A	4454	1/1	0.94	0.27	78,78,78,78	0
56	MG	2a	1611	1/1	0.94	0.21	143,143,143,143	0
56	MG	2A	3687	1/1	0.94	0.28	118,118,118,118	0
56	MG	2A	3266	1/1	0.94	0.46	86,86,86,86	0
56	MG	1A	4807	1/1	0.94	0.32	58,58,58,58	0
56	MG	1a	1772	1/1	0.94	0.05	136,136,136,136	0
56	MG	1H	202	1/1	0.94	0.39	76,76,76,76	0
56	MG	2A	3200	1/1	0.94	0.19	109,109,109,109	0
56	MG	2A	3306	1/1	0.94	0.30	85,85,85,85	0
56	MG	1a	1877	1/1	0.94	0.15	106,106,106,106	0
56	MG	1A	4936	1/1	0.94	0.18	61,61,61,61	0
56	MG	2A	3273	1/1	0.94	0.33	70,70,70,70	0
56	MG	2A	3561	1/1	0.94	0.36	88,88,88,88	0
56	MG	2A	3479	1/1	0.94	0.30	122,122,122,122	0
56	MG	1A	4241	1/1	0.94	0.47	66,66,66,66	0
56	MG	2A	3450	1/1	0.94	0.60	85,85,85,85	0
56	MG	2A	3328	1/1	0.94	0.18	91,91,91,91	0
56	MG	2A	3363	1/1	0.94	0.39	85,85,85,85	0
56	MG	2A	3467	1/1	0.94	0.37	79,79,79,79	0
56	MG	1A	4805	1/1	0.94	0.83	95,95,95,95	0
56	MG	2A	3024	1/1	0.94	0.74	123,123,123,123	0
56	MG	2A	3141	1/1	0.94	0.27	96,96,96,96	0
56	MG	1A	4183	1/1	0.94	0.14	63,63,63,63	0
56	MG	1A	4902	1/1	0.94	0.62	63,63,63,63	0
56	MG	2A	3622	1/1	0.94	0.45	137,137,137,137	0
56	MG	2A	3360	1/1	0.94	0.38	78,78,78,78	0
56	MG	2a	1817	1/1	0.94	0.12	133,133,133,133	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	1A	4033	1/1	0.94	0.26	70,70,70,70	0
56	MG	2A	3543	1/1	0.94	0.16	100,100,100,100	0
56	MG	10	103	1/1	0.94	0.39	72,72,72,72	0
56	MG	2a	1850	1/1	0.94	0.16	154,154,154,154	0
56	MG	2A	3139	1/1	0.94	0.20	102,102,102,102	0
56	MG	1A	4466	1/1	0.94	0.24	56,56,56,56	0
56	MG	1A	5038	1/1	0.94	0.44	70,70,70,70	0
56	MG	2A	3129	1/1	0.94	0.74	101,101,101,101	0
56	MG	1A	4473	1/1	0.94	0.40	46,46,46,46	0
56	MG	2A	3722	1/1	0.94	0.11	128,128,128,128	0
56	MG	2A	3267	1/1	0.94	0.28	99,99,99,99	0
56	MG	1a	1892	1/1	0.94	0.42	117,117,117,117	0
56	MG	1z	101	1/1	0.94	0.19	151,151,151,151	0
56	MG	2A	3145	1/1	0.94	0.68	100,100,100,100	0
56	MG	1A	4317	1/1	0.94	0.70	106,106,106,106	0
56	MG	1A	4883	1/1	0.94	0.22	59,59,59,59	0
56	MG	1a	1885	1/1	0.94	0.11	128,128,128,128	0
56	MG	2A	3069	1/1	0.94	0.23	149,149,149,149	0
56	MG	2A	3138	1/1	0.94	0.49	118,118,118,118	0
56	MG	1A	4582	1/1	0.94	0.18	65,65,65,65	0
56	MG	1A	5026	1/1	0.94	0.29	70,70,70,70	0
56	MG	1E	304	1/1	0.94	0.20	71,71,71,71	0
56	MG	1A	4844	1/1	0.94	0.35	77,77,77,77	0
56	MG	2A	3740	1/1	0.94	0.47	88,88,88,88	0
56	MG	28	102	1/1	0.94	0.78	119,119,119,119	0
56	MG	2A	3186	1/1	0.94	0.35	105,105,105,105	0
56	MG	2A	3779	1/1	0.94	0.37	98,98,98,98	0
56	MG	2A	3123	1/1	0.94	0.23	133,133,133,133	0
56	MG	1A	4649	1/1	0.94	0.21	65,65,65,65	0
56	MG	2A	3271	1/1	0.94	0.24	113,113,113,113	0
56	MG	1A	4512	1/1	0.94	0.28	73,73,73,73	0
56	MG	1A	4441	1/1	0.94	0.44	78,78,78,78	0
56	MG	1A	4107	1/1	0.94	0.27	52,52,52,52	0
56	MG	1A	4663	1/1	0.94	0.31	89,89,89,89	0
56	MG	1A	4651	1/1	0.94	0.43	88,88,88,88	0
56	MG	2a	1908	1/1	0.94	0.16	230,230,230,230	0
56	MG	2a	1689	1/1	0.94	0.23	156,156,156,156	0
56	MG	1Z	303	1/1	0.94	0.29	42,42,42,42	0
56	MG	2y	104	1/1	0.94	0.13	248,248,248,248	0
56	MG	1a	1881	1/1	0.94	0.11	151,151,151,151	0
56	MG	1A	4021	1/1	0.94	0.55	76,76,76,76	0
56	MG	1A	4016	1/1	0.94	0.23	68,68,68,68	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	2A	3814	1/1	0.94	0.31	128,128,128,128	0
56	MG	1a	1907	1/1	0.94	0.35	117,117,117,117	0
56	MG	1A	4976	1/1	0.94	0.24	77,77,77,77	0
56	MG	1A	4278	1/1	0.94	0.41	65,65,65,65	0
56	MG	1A	4439	1/1	0.94	0.24	80,80,80,80	0
56	MG	2a	1858	1/1	0.94	0.29	149,149,149,149	0
56	MG	2A	3630	1/1	0.94	0.39	102,102,102,102	0
56	MG	2a	1871	1/1	0.94	0.33	134,134,134,134	0
56	MG	1A	4268	1/1	0.94	0.41	65,65,65,65	0
56	MG	1A	4959	1/1	0.94	0.49	102,102,102,102	0
56	MG	2A	3108	1/1	0.94	0.08	139,139,139,139	0
56	MG	2A	3359	1/1	0.94	0.33	84,84,84,84	0
56	MG	1A	4306	1/1	0.94	0.19	97,97,97,97	0
56	MG	1A	4479	1/1	0.94	0.31	71,71,71,71	0
56	MG	1A	4369	1/1	0.94	0.25	61,61,61,61	0
56	MG	2A	3567	1/1	0.94	0.13	104,104,104,104	0
56	MG	2A	3280	1/1	0.94	0.30	89,89,89,89	0
56	MG	1A	4685	1/1	0.94	0.51	70,70,70,70	0
56	MG	1A	4467	1/1	0.94	0.42	57,57,57,57	0
56	MG	1A	4544	1/1	0.94	0.19	77,77,77,77	0
56	MG	1A	5011	1/1	0.94	0.32	77,77,77,77	0
56	MG	1A	4738	1/1	0.94	0.19	70,70,70,70	0
56	MG	1a	1602	1/1	0.94	0.38	77,77,77,77	0
56	MG	1A	4909	1/1	0.94	0.20	59,59,59,59	0
56	MG	1A	4360	1/1	0.94	0.12	88,88,88,88	0
56	MG	2a	1715	1/1	0.94	0.36	147,147,147,147	0
56	MG	1A	4414	1/1	0.94	0.36	66,66,66,66	0
56	MG	2A	3701	1/1	0.94	0.25	93,93,93,93	0
56	MG	2A	3443	1/1	0.94	0.18	111,111,111,111	0
56	MG	2a	1880	1/1	0.94	0.17	158,158,158,158	0
56	MG	2A	3295	1/1	0.94	0.27	97,97,97,97	0
56	MG	2A	3213	1/1	0.94	0.35	88,88,88,88	0
56	MG	1Q	203	1/1	0.94	0.41	50,50,50,50	0
56	MG	1a	1897	1/1	0.94	0.90	124,124,124,124	0
56	MG	2A	3775	1/1	0.94	0.19	114,114,114,114	0
56	MG	1A	4692	1/1	0.94	0.54	61,61,61,61	0
56	MG	1A	4074	1/1	0.94	0.33	78,78,78,78	0
56	MG	2A	3225	1/1	0.94	0.58	113,113,113,113	0
56	MG	1A	4773	1/1	0.94	0.28	68,68,68,68	0
56	MG	1A	4166	1/1	0.94	0.40	34,34,34,34	0
56	MG	1Z	304	1/1	0.94	0.56	64,64,64,64	0
56	MG	2A	3559	1/1	0.94	0.33	91,91,91,91	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	1a	1652	1/1	0.94	0.25	117,117,117,117	0
56	MG	1A	4896	1/1	0.94	1.29	61,61,61,61	0
56	MG	1A	4292	1/1	0.94	0.42	96,96,96,96	0
56	MG	1A	4309	1/1	0.94	0.46	79,79,79,79	0
56	MG	1y	102	1/1	0.94	0.44	123,123,123,123	0
56	MG	1a	1762	1/1	0.94	0.42	103,103,103,103	0
56	MG	1a	1789	1/1	0.94	0.20	111,111,111,111	0
56	MG	1A	4365	1/1	0.94	0.30	58,58,58,58	0
56	MG	1a	1914	1/1	0.94	0.19	193,193,193,193	0
56	MG	2A	3547	1/1	0.94	0.25	104,104,104,104	0
56	MG	2a	1842	1/1	0.94	0.16	196,196,196,196	0
56	MG	1D	305	1/1	0.94	0.30	81,81,81,81	0
56	MG	1A	4227	1/1	0.94	0.20	86,86,86,86	0
56	MG	2A	3166	1/1	0.94	0.69	85,85,85,85	0
56	MG	1A	4816	1/1	0.94	0.33	75,75,75,75	0
56	MG	2A	3148	1/1	0.94	0.74	76,76,76,76	0
56	MG	1A	4378	1/1	0.94	0.27	83,83,83,83	0
56	MG	1A	4057	1/1	0.94	0.75	63,63,63,63	0
56	MG	1A	4173	1/1	0.94	0.14	57,57,57,57	0
56	MG	2A	3380	1/1	0.94	0.12	93,93,93,93	0
56	MG	1A	4442	1/1	0.94	0.15	75,75,75,75	0
56	MG	2A	3365	1/1	0.94	0.38	90,90,90,90	0
56	MG	1A	4849	1/1	0.94	0.14	84,84,84,84	0
56	MG	1A	4409	1/1	0.94	0.21	56,56,56,56	0
56	MG	2A	3065	1/1	0.94	0.22	117,117,117,117	0
56	MG	1A	4958	1/1	0.94	0.31	95,95,95,95	0
56	MG	2A	3336	1/1	0.94	0.44	95,95,95,95	0
56	MG	2A	3349	1/1	0.94	0.20	104,104,104,104	0
56	MG	2A	3578	1/1	0.94	0.49	135,135,135,135	0
56	MG	1a	1889	1/1	0.94	0.18	153,153,153,153	0
56	MG	1A	4218	1/1	0.94	0.31	58,58,58,58	0
56	MG	28	103	1/1	0.94	0.53	115,115,115,115	0
56	MG	2A	3829	1/1	0.94	0.17	113,113,113,113	0
56	MG	1A	4720	1/1	0.94	0.25	79,79,79,79	0
56	MG	2a	1743	1/1	0.94	0.70	151,151,151,151	0
56	MG	1A	4627	1/1	0.94	0.37	80,80,80,80	0
56	MG	1A	4593	1/1	0.94	0.39	65,65,65,65	0
56	MG	2A	3513	1/1	0.94	0.19	85,85,85,85	0
56	MG	1A	4975	1/1	0.94	0.17	76,76,76,76	0
56	MG	2a	1640	1/1	0.94	0.36	143,143,143,143	0
56	MG	1A	4141	1/1	0.94	0.29	63,63,63,63	0
56	MG	1A	4632	1/1	0.94	0.67	66,66,66,66	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	2A	3227	1/1	0.94	0.20	94,94,94,94	0
56	MG	2A	3361	1/1	0.94	0.29	94,94,94,94	0
56	MG	2A	3029	1/1	0.94	0.82	105,105,105,105	0
56	MG	20	105	1/1	0.94	0.06	126,126,126,126	0
56	MG	2a	1759	1/1	0.94	0.15	218,218,218,218	0
56	MG	1A	4646	1/1	0.94	0.28	69,69,69,69	0
56	MG	1A	4264	1/1	0.94	0.39	61,61,61,61	0
56	MG	2A	3459	1/1	0.94	0.47	98,98,98,98	0
56	MG	1A	4648	1/1	0.94	0.29	66,66,66,66	0
56	MG	1A	4456	1/1	0.94	0.13	80,80,80,80	0
56	MG	1A	4528	1/1	0.94	0.34	73,73,73,73	0
56	MG	2A	3212	1/1	0.94	0.11	93,93,93,93	0
56	MG	2A	3036	1/1	0.94	0.66	76,76,76,76	0
56	MG	1A	4989	1/1	0.95	0.23	73,73,73,73	0
56	MG	2A	3853	1/1	0.95	0.69	84,84,84,84	0
56	MG	2a	1728	1/1	0.95	0.21	79,79,79,79	0
56	MG	2X	201	1/1	0.95	0.23	108,108,108,108	0
56	MG	1a	1813	1/1	0.95	0.30	91,91,91,91	0
56	MG	2A	3527	1/1	0.95	0.18	111,111,111,111	0
56	MG	2A	3059	1/1	0.95	0.10	88,88,88,88	0
56	MG	1A	4079	1/1	0.95	0.40	58,58,58,58	0
56	MG	2A	3294	1/1	0.95	0.42	91,91,91,91	0
56	MG	1A	4478	1/1	0.95	0.24	71,71,71,71	0
56	MG	2a	1694	1/1	0.95	0.31	146,146,146,146	0
56	MG	1A	4924	1/1	0.95	0.13	71,71,71,71	0
56	MG	2A	3392	1/1	0.95	0.22	124,124,124,124	0
56	MG	1a	1715	1/1	0.95	0.20	123,123,123,123	0
56	MG	2A	3838	1/1	0.95	0.14	44,44,44,44	0
56	MG	1A	4046	1/1	0.95	0.28	68,68,68,68	0
56	MG	1a	1728	1/1	0.95	0.47	143,143,143,143	0
56	MG	1A	4030	1/1	0.95	0.25	58,58,58,58	0
56	MG	1A	4728	1/1	0.95	0.18	76,76,76,76	0
56	MG	2a	1816	1/1	0.95	0.14	156,156,156,156	0
56	MG	1A	4737	1/1	0.95	0.16	76,76,76,76	0
56	MG	2A	3341	1/1	0.95	0.24	86,86,86,86	0
56	MG	1A	5049	1/1	0.95	0.65	72,72,72,72	0
56	MG	1A	4232	1/1	0.95	0.28	64,64,64,64	0
56	MG	1A	4963	1/1	0.95	0.43	78,78,78,78	0
56	MG	2A	3700	1/1	0.95	0.20	113,113,113,113	0
56	MG	2a	1855	1/1	0.95	0.07	88,88,88,88	0
56	MG	1A	4931	1/1	0.95	0.27	125,125,125,125	0
56	MG	2a	1616	1/1	0.95	0.10	139,139,139,139	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	2A	3434	1/1	0.95	0.29	95,95,95,95	0
56	MG	1A	4732	1/1	0.95	0.21	56,56,56,56	0
56	MG	1A	4055	1/1	0.95	0.36	86,86,86,86	0
56	MG	1A	4510	1/1	0.95	0.12	69,69,69,69	0
56	MG	1A	4515	1/1	0.95	0.33	70,70,70,70	0
56	MG	1A	4903	1/1	0.95	0.13	61,61,61,61	0
56	MG	1a	1702	1/1	0.95	0.22	181,181,181,181	0
56	MG	2A	3429	1/1	0.95	0.21	117,117,117,117	0
56	MG	1A	4236	1/1	0.95	0.67	55,55,55,55	0
56	MG	2A	3275	1/1	0.95	0.30	83,83,83,83	0
56	MG	2A	3691	1/1	0.95	0.26	165,165,165,165	0
56	MG	1a	1838	1/1	0.95	0.09	231,231,231,231	0
56	MG	2A	3330	1/1	0.95	0.20	97,97,97,97	0
56	MG	2A	3587	1/1	0.95	0.06	123,123,123,123	0
56	MG	2A	3554	1/1	0.95	0.27	89,89,89,89	0
56	MG	2a	1863	1/1	0.95	0.14	162,162,162,162	0
56	MG	1A	4978	1/1	0.95	0.19	60,60,60,60	0
56	MG	1A	4766	1/1	0.95	0.23	56,56,56,56	0
56	MG	1A	4823	1/1	0.95	0.48	74,74,74,74	0
56	MG	2A	3585	1/1	0.95	0.68	114,114,114,114	0
56	MG	1A	4261	1/1	0.95	0.14	63,63,63,63	0
56	MG	1A	4483	1/1	0.95	0.19	66,66,66,66	0
56	MG	2A	3070	1/1	0.95	0.31	156,156,156,156	0
56	MG	2A	3014	1/1	0.95	0.59	108,108,108,108	0
56	MG	1a	1727	1/1	0.95	0.10	127,127,127,127	0
56	MG	1A	4110	1/1	0.95	0.22	54,54,54,54	0
56	MG	2A	3506	1/1	0.95	0.16	149,149,149,149	0
56	MG	1a	1748	1/1	0.95	0.17	145,145,145,145	0
56	MG	1A	4169	1/1	0.95	0.20	57,57,57,57	0
56	MG	2A	3050	1/1	0.95	0.13	93,93,93,93	0
56	MG	2A	3085	1/1	0.95	0.13	118,118,118,118	0
56	MG	2A	3426	1/1	0.95	0.25	93,93,93,93	0
56	MG	1A	4416	1/1	0.95	0.32	57,57,57,57	0
56	MG	1a	1667	1/1	0.95	0.13	132,132,132,132	0
56	MG	1A	4091	1/1	0.95	0.32	58,58,58,58	0
56	MG	2A	3792	1/1	0.95	0.50	130,130,130,130	0
56	MG	2A	3103	1/1	0.95	0.58	79,79,79,79	0
56	MG	2A	3172	1/1	0.95	0.28	91,91,91,91	0
56	MG	2a	1895	1/1	0.95	0.32	156,156,156,156	0
56	MG	1a	1749	1/1	0.95	0.31	134,134,134,134	0
56	MG	2A	3843	1/1	0.95	0.37	76,76,76,76	0
56	MG	2a	1629	1/1	0.95	0.28	187,187,187,187	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	1A	4937	1/1	0.95	0.17	58,58,58,58	0
56	MG	16	101	1/1	0.95	0.09	72,72,72,72	0
56	MG	1a	1849	1/1	0.95	0.60	149,149,149,149	0
56	MG	1A	4670	1/1	0.95	0.26	71,71,71,71	0
56	MG	2A	3847	1/1	0.95	0.24	91,91,91,91	0
56	MG	1A	4893	1/1	0.95	0.24	65,65,65,65	0
56	MG	1A	4977	1/1	0.95	0.32	78,78,78,78	0
56	MG	1A	4885	1/1	0.95	0.55	92,92,92,92	0
56	MG	1A	4704	1/1	0.95	0.12	77,77,77,77	0
56	MG	1a	1638	1/1	0.95	0.43	117,117,117,117	0
56	MG	2A	3586	1/1	0.95	0.07	120,120,120,120	0
56	MG	2a	1641	1/1	0.95	0.33	146,146,146,146	0
56	MG	1A	4093	1/1	0.95	0.31	62,62,62,62	0
56	MG	1A	4401	1/1	0.95	0.22	78,78,78,78	0
56	MG	2A	3175	1/1	0.95	0.33	58,58,58,58	0
56	MG	2A	3253	1/1	0.95	0.20	128,128,128,128	0
56	MG	2a	1819	1/1	0.95	0.18	150,150,150,150	0
56	MG	1A	4630	1/1	0.95	0.52	56,56,56,56	0
56	MG	1A	4084	1/1	0.95	0.43	61,61,61,61	0
56	MG	1A	4964	1/1	0.95	0.38	67,67,67,67	0
56	MG	1e	301	1/1	0.95	0.50	140,140,140,140	0
56	MG	2A	3026	1/1	0.95	0.52	117,117,117,117	0
56	MG	1A	4319	1/1	0.95	0.37	68,68,68,68	0
56	MG	2A	3815	1/1	0.95	0.09	136,136,136,136	0
56	MG	1A	4578	1/1	0.95	0.19	59,59,59,59	0
56	MG	2A	3128	1/1	0.95	0.42	130,130,130,130	0
56	MG	1A	4992	1/1	0.95	0.37	70,70,70,70	0
56	MG	1A	4266	1/1	0.95	0.20	58,58,58,58	0
56	MG	2A	3223	1/1	0.95	0.10	118,118,118,118	0
56	MG	2A	3321	1/1	0.95	0.52	86,86,86,86	0
56	MG	1A	4146	1/1	0.95	0.25	59,59,59,59	0
56	MG	1A	4683	1/1	0.95	0.32	55,55,55,55	0
56	MG	1a	1698	1/1	0.95	0.21	120,120,120,120	0
56	MG	1A	4828	1/1	0.95	0.21	80,80,80,80	0
56	MG	1A	4705	1/1	0.95	0.34	72,72,72,72	0
56	MG	2A	3668	1/1	0.95	0.38	91,91,91,91	0
56	MG	1A	4209	1/1	0.95	0.29	55,55,55,55	0
56	MG	2A	3778	1/1	0.95	0.34	97,97,97,97	0
56	MG	1A	4212	1/1	0.95	0.28	51,51,51,51	0
56	MG	2p	103	1/1	0.95	0.50	152,152,152,152	0
56	MG	1A	4415	1/1	0.95	0.15	74,74,74,74	0
56	MG	1A	4618	1/1	0.95	0.19	95,95,95,95	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	2A	3824	1/1	0.95	0.19	99,99,99,99	0
56	MG	2a	1815	1/1	0.95	0.13	85,85,85,85	0
56	MG	1A	4168	1/1	0.95	0.42	50,50,50,50	0
56	MG	1a	1787	1/1	0.95	0.39	124,124,124,124	0
56	MG	2A	3822	1/1	0.95	0.34	91,91,91,91	0
56	MG	1A	4787	1/1	0.95	0.16	64,64,64,64	0
56	MG	1A	4284	1/1	0.95	0.36	65,65,65,65	0
56	MG	2a	1692	1/1	0.95	0.22	149,149,149,149	0
56	MG	1A	4018	1/1	0.95	0.47	68,68,68,68	0
56	MG	2B	226	1/1	0.95	0.09	132,132,132,132	0
56	MG	1a	1620	1/1	0.95	0.19	98,98,98,98	0
56	MG	1A	4118	1/1	0.95	0.62	82,82,82,82	0
56	MG	1a	1612	1/1	0.95	0.25	94,94,94,94	0
56	MG	1A	4181	1/1	0.95	0.37	45,45,45,45	0
57	ZN	29	103	1/1	0.95	0.05	143,143,143,143	0
56	MG	2A	3002	1/1	0.95	0.64	99,99,99,99	0
56	MG	2A	3317	1/1	0.95	0.36	81,81,81,81	0
56	MG	1A	4601	1/1	0.95	0.13	102,102,102,102	0
56	MG	2A	3488	1/1	0.95	0.42	115,115,115,115	0
56	MG	2A	3323	1/1	0.95	0.46	89,89,89,89	0
56	MG	2A	3241	1/1	0.95	0.59	124,124,124,124	0
56	MG	1A	4910	1/1	0.95	0.20	55,55,55,55	0
56	MG	1A	4475	1/1	0.95	0.16	58,58,58,58	0
56	MG	1a	1868	1/1	0.95	0.62	214,214,214,214	0
56	MG	2a	1916	1/1	0.95	0.20	63,63,63,63	0
56	MG	1A	4990	1/1	0.95	0.21	64,64,64,64	0
56	MG	1A	4114	1/1	0.95	0.25	56,56,56,56	0
56	MG	1A	4846	1/1	0.95	0.22	74,74,74,74	0
56	MG	1A	4462	1/1	0.95	0.27	74,74,74,74	0
56	MG	2A	3159	1/1	0.95	0.39	100,100,100,100	0
56	MG	1A	4686	1/1	0.95	0.14	93,93,93,93	0
56	MG	1A	4434	1/1	0.95	0.22	58,58,58,58	0
56	MG	1A	4953	1/1	0.95	0.19	60,60,60,60	0
56	MG	2A	3278	1/1	0.95	0.33	86,86,86,86	0
56	MG	1A	4876	1/1	0.95	0.26	80,80,80,80	0
56	MG	2A	3348	1/1	0.95	0.51	90,90,90,90	0
56	MG	2A	3787	1/1	0.95	0.47	125,125,125,125	0
56	MG	1a	1848	1/1	0.95	0.26	178,178,178,178	0
56	MG	2a	1898	1/1	0.95	0.20	160,160,160,160	0
56	MG	1A	4172	1/1	0.95	0.33	58,58,58,58	0
56	MG	1A	4020	1/1	0.95	0.23	73,73,73,73	0
56	MG	2A	3709	1/1	0.95	0.23	93,93,93,93	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	1a	1746	1/1	0.95	0.12	154,154,154,154	0
56	MG	2A	3563	1/1	0.95	0.29	90,90,90,90	0
56	MG	1A	4565	1/1	0.95	0.15	58,58,58,58	0
56	MG	1A	4612	1/1	0.95	0.15	62,62,62,62	0
56	MG	2A	3469	1/1	0.95	0.28	115,115,115,115	0
56	MG	2Y	202	1/1	0.95	0.13	137,137,137,137	0
56	MG	1a	1660	1/1	0.95	0.30	119,119,119,119	0
56	MG	1A	4422	1/1	0.95	0.26	52,52,52,52	0
56	MG	1A	4938	1/1	0.95	0.32	69,69,69,69	0
56	MG	2A	3092	1/1	0.95	0.33	118,118,118,118	0
56	MG	2F	304	1/1	0.95	0.15	135,135,135,135	0
56	MG	1A	4653	1/1	0.95	0.28	88,88,88,88	0
56	MG	2a	1687	1/1	0.95	0.31	162,162,162,162	0
56	MG	1A	4113	1/1	0.95	0.32	55,55,55,55	0
56	MG	2B	210	1/1	0.95	0.42	70,70,70,70	0
56	MG	1A	4443	1/1	0.95	0.28	75,75,75,75	0
56	MG	1b	302	1/1	0.95	0.32	165,165,165,165	0
56	MG	1A	4634	1/1	0.95	0.30	59,59,59,59	0
56	MG	2A	3837	1/1	0.95	0.15	68,68,68,68	0
56	MG	1A	4419	1/1	0.95	0.18	55,55,55,55	0
56	MG	2A	3728	1/1	0.95	0.21	83,83,83,83	0
56	MG	1A	4023	1/1	0.95	0.85	110,110,110,110	0
56	MG	2A	3167	1/1	0.95	0.75	99,99,99,99	0
56	MG	1A	4745	1/1	0.95	0.22	81,81,81,81	0
56	MG	1A	4563	1/1	0.95	0.38	68,68,68,68	0
56	MG	1A	5022	1/1	0.95	0.84	122,122,122,122	0
56	MG	2A	3652	1/1	0.95	0.12	124,124,124,124	0
56	MG	2A	3707	1/1	0.95	0.25	100,100,100,100	0
56	MG	2A	3211	1/1	0.95	0.29	94,94,94,94	0
56	MG	2A	3410	1/1	0.95	0.25	108,108,108,108	0
56	MG	1A	4411	1/1	0.95	0.23	50,50,50,50	0
56	MG	1A	4751	1/1	0.95	0.25	71,71,71,71	0
56	MG	2A	3437	1/1	0.95	0.17	97,97,97,97	0
56	MG	2A	3601	1/1	0.95	0.24	101,101,101,101	0
56	MG	2A	3618	1/1	0.95	0.12	149,149,149,149	0
56	MG	2A	3501	1/1	0.95	0.20	104,104,104,104	0
59	GDP	1v	704	28/28	0.95	0.18	117,117,117,117	0
56	MG	1A	4253	1/1	0.95	0.64	54,54,54,54	0
56	MG	2A	3453	1/1	0.95	0.53	74,74,74,74	0
56	MG	1A	4437	1/1	0.95	0.24	64,64,64,64	0
56	MG	1A	4819	1/1	0.95	0.38	119,119,119,119	0
56	MG	1A	4137	1/1	0.95	0.15	102,102,102,102	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	1A	5034	1/1	0.95	1.03	67,67,67,67	0
56	MG	2A	3810	1/1	0.95	0.45	145,145,145,145	0
56	MG	1A	4930	1/1	0.95	0.39	110,110,110,110	0
56	MG	1B	222	1/1	0.95	0.19	91,91,91,91	0
56	MG	1a	1729	1/1	0.95	0.14	143,143,143,143	0
56	MG	1A	4430	1/1	0.95	0.18	61,61,61,61	0
56	MG	1A	4331	1/1	0.95	0.15	73,73,73,73	0
56	MG	1A	4250	1/1	0.95	0.14	64,64,64,64	0
56	MG	1A	5028	1/1	0.95	0.20	70,70,70,70	0
56	MG	2A	3238	1/1	0.95	0.25	108,108,108,108	0
56	MG	2a	1646	1/1	0.95	0.97	120,120,120,120	0
56	MG	2A	3849	1/1	0.95	0.20	153,153,153,153	0
56	MG	1A	4270	1/1	0.96	0.34	68,68,68,68	0
56	MG	2A	3688	1/1	0.96	0.61	143,143,143,143	0
56	MG	1a	1818	1/1	0.96	0.07	186,186,186,186	0
56	MG	1A	4421	1/1	0.96	0.13	58,58,58,58	0
56	MG	1A	4438	1/1	0.96	0.09	65,65,65,65	0
56	MG	1A	4258	1/1	0.96	0.19	68,68,68,68	0
56	MG	1A	4595	1/1	0.96	0.37	62,62,62,62	0
56	MG	2A	3240	1/1	0.96	0.30	120,120,120,120	0
56	MG	1x	302	1/1	0.96	0.10	45,45,45,45	0
56	MG	1A	4315	1/1	0.96	0.43	111,111,111,111	0
56	MG	2A	3682	1/1	0.96	0.39	123,123,123,123	0
56	MG	2A	3031	1/1	0.96	0.53	103,103,103,103	0
56	MG	1A	4536	1/1	0.96	1.13	115,115,115,115	0
56	MG	2A	3117	1/1	0.96	0.23	134,134,134,134	0
56	MG	1a	1756	1/1	0.96	0.20	109,109,109,109	0
56	MG	1A	4029	1/1	0.96	0.27	51,51,51,51	0
56	MG	1a	1632	1/1	0.96	0.18	118,118,118,118	0
56	MG	2A	3454	1/1	0.96	0.17	90,90,90,90	0
56	MG	1e	302	1/1	0.96	0.16	147,147,147,147	0
56	MG	2A	3158	1/1	0.96	0.40	107,107,107,107	0
56	MG	2x	101	1/1	0.96	0.87	62,62,62,62	0
56	MG	1A	4408	1/1	0.96	0.37	57,57,57,57	0
56	MG	2A	3641	1/1	0.96	0.26	127,127,127,127	0
56	MG	2A	3140	1/1	0.96	0.29	101,101,101,101	0
56	MG	1A	4898	1/1	0.96	0.29	60,60,60,60	0
56	MG	1A	4164	1/1	0.96	0.27	58,58,58,58	0
56	MG	2A	3716	1/1	0.96	0.24	116,116,116,116	0
56	MG	1A	4620	1/1	0.96	0.20	107,107,107,107	0
56	MG	2a	1701	1/1	0.96	0.24	146,146,146,146	0
56	MG	2a	1811	1/1	0.96	0.15	129,129,129,129	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	2A	3619	1/1	0.96	0.20	133,133,133,133	0
56	MG	1A	5013	1/1	0.96	0.55	38,38,38,38	0
56	MG	2A	3079	1/1	0.96	0.15	125,125,125,125	0
56	MG	2a	1810	1/1	0.96	0.42	129,129,129,129	0
56	MG	2A	3525	1/1	0.96	0.18	106,106,106,106	0
56	MG	1a	1650	1/1	0.96	0.23	123,123,123,123	0
56	MG	2A	3511	1/1	0.96	0.19	89,89,89,89	0
56	MG	2A	3663	1/1	0.96	0.19	95,95,95,95	0
56	MG	2A	3786	1/1	0.96	0.18	123,123,123,123	0
56	MG	1A	4249	1/1	0.96	0.18	52,52,52,52	0
56	MG	1A	4590	1/1	0.96	0.78	71,71,71,71	0
56	MG	1D	301	1/1	0.96	0.28	65,65,65,65	0
56	MG	2A	3621	1/1	0.96	0.61	95,95,95,95	0
56	MG	2A	3730	1/1	0.96	0.36	99,99,99,99	0
56	MG	2a	1802	1/1	0.96	0.27	166,166,166,166	0
56	MG	1A	4019	1/1	0.96	0.49	77,77,77,77	0
56	MG	2A	3610	1/1	0.96	0.71	114,114,114,114	0
56	MG	2A	3234	1/1	0.96	0.20	103,103,103,103	0
56	MG	2A	3427	1/1	0.96	0.36	95,95,95,95	0
56	MG	2a	1708	1/1	0.96	0.24	152,152,152,152	0
56	MG	2A	3163	1/1	0.96	0.22	103,103,103,103	0
56	MG	1A	4179	1/1	0.96	0.14	60,60,60,60	0
56	MG	1U	202	1/1	0.96	0.21	58,58,58,58	0
56	MG	1A	4025	1/1	0.96	0.32	67,67,67,67	0
56	MG	2A	3189	1/1	0.96	0.27	113,113,113,113	0
56	MG	2A	3256	1/1	0.96	0.25	92,92,92,92	0
56	MG	1a	1743	1/1	0.96	0.25	139,139,139,139	0
56	MG	2A	3495	1/1	0.96	0.26	106,106,106,106	0
56	MG	1a	1815	1/1	0.96	0.24	171,171,171,171	0
56	MG	1A	4424	1/1	0.96	0.17	61,61,61,61	0
56	MG	1A	4795	1/1	0.96	0.17	79,79,79,79	0
56	MG	1a	1808	1/1	0.96	0.40	122,122,122,122	0
56	MG	2A	3127	1/1	0.96	0.37	135,135,135,135	0
56	MG	2A	3190	1/1	0.96	0.47	98,98,98,98	0
56	MG	1A	4245	1/1	0.96	0.23	52,52,52,52	0
56	MG	2A	3514	1/1	0.96	0.12	114,114,114,114	0
56	MG	2A	3356	1/1	0.96	0.30	80,80,80,80	0
56	MG	2A	3457	1/1	0.96	0.46	93,93,93,93	0
56	MG	1A	4391	1/1	0.96	0.23	93,93,93,93	0
56	MG	2A	3334	1/1	0.96	0.31	105,105,105,105	0
56	MG	2A	3370	1/1	0.96	0.20	99,99,99,99	0
56	MG	1A	4791	1/1	0.96	0.43	73,73,73,73	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	1a	1773	1/1	0.96	0.32	143,143,143,143	0
56	MG	2A	3435	1/1	0.96	0.44	97,97,97,97	0
56	MG	1a	1714	1/1	0.96	0.28	118,118,118,118	0
56	MG	2A	3182	1/1	0.96	0.50	105,105,105,105	0
56	MG	1A	4099	1/1	0.96	0.12	69,69,69,69	0
56	MG	1E	301	1/1	0.96	0.18	57,57,57,57	0
56	MG	1a	1679	1/1	0.96	0.16	163,163,163,163	0
56	MG	1b	308	1/1	0.96	0.23	162,162,162,162	0
56	MG	1A	4573	1/1	0.96	0.18	70,70,70,70	0
56	MG	1A	4830	1/1	0.96	0.28	76,76,76,76	0
56	MG	1A	4344	1/1	0.96	0.13	70,70,70,70	0
56	MG	1A	4140	1/1	0.96	0.27	70,70,70,70	0
56	MG	2w	201	1/1	0.96	0.13	84,84,84,84	0
56	MG	1A	4945	1/1	0.96	0.13	73,73,73,73	0
56	MG	1A	5030	1/1	0.96	0.32	72,72,72,72	0
56	MG	2A	3074	1/1	0.96	0.15	138,138,138,138	0
56	MG	1a	1603	1/1	0.96	0.17	98,98,98,98	0
56	MG	2A	3316	1/1	0.96	0.26	85,85,85,85	0
56	MG	1A	4829	1/1	0.96	0.25	74,74,74,74	0
56	MG	2A	3714	1/1	0.96	0.25	101,101,101,101	0
56	MG	1a	1846	1/1	0.96	0.78	193,193,193,193	0
56	MG	2A	3404	1/1	0.96	0.18	135,135,135,135	0
56	MG	1a	1695	1/1	0.96	0.07	159,159,159,159	0
56	MG	1A	4089	1/1	0.96	0.31	67,67,67,67	0
56	MG	1A	5009	1/1	0.96	0.25	72,72,72,72	0
56	MG	1A	4229	1/1	0.96	0.32	111,111,111,111	0
56	MG	2A	3033	1/1	0.96	0.75	107,107,107,107	0
56	MG	1A	4364	1/1	0.96	0.40	72,72,72,72	0
56	MG	1A	4446	1/1	0.96	0.37	59,59,59,59	0
56	MG	1A	4740	1/1	0.96	0.14	79,79,79,79	0
56	MG	2A	3268	1/1	0.96	0.25	94,94,94,94	0
56	MG	1a	1628	1/1	0.96	0.35	101,101,101,101	0
56	MG	1A	4031	1/1	0.96	0.17	56,56,56,56	0
56	MG	2a	1835	1/1	0.96	0.27	152,152,152,152	0
56	MG	2A	3485	1/1	0.96	0.35	60,60,60,60	0
56	MG	1A	4825	1/1	0.96	0.16	92,92,92,92	0
56	MG	1A	4596	1/1	0.96	0.10	65,65,65,65	0
56	MG	1A	4158	1/1	0.96	0.35	58,58,58,58	0
56	MG	2A	3788	1/1	0.96	0.23	124,124,124,124	0
56	MG	1A	4588	1/1	0.96	0.26	79,79,79,79	0
56	MG	1A	4095	1/1	0.96	0.32	62,62,62,62	0
56	MG	1A	4523	1/1	0.96	0.38	68,68,68,68	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	2A	3651	1/1	0.96	0.14	118,118,118,118	0
56	MG	1A	4353	1/1	0.96	0.28	59,59,59,59	0
56	MG	1A	4162	1/1	0.96	0.17	56,56,56,56	0
56	MG	1a	1663	1/1	0.96	0.27	115,115,115,115	0
56	MG	1A	4005	1/1	0.96	0.21	65,65,65,65	0
56	MG	1A	5063	1/1	0.96	0.16	58,58,58,58	0
56	MG	2A	3475	1/1	0.96	0.60	111,111,111,111	0
56	MG	2A	3054	1/1	0.96	0.20	100,100,100,100	0
56	MG	2A	3219	1/1	0.96	0.28	110,110,110,110	0
56	MG	2A	3766	1/1	0.96	0.73	66,66,66,66	0
56	MG	2A	3354	1/1	0.96	0.34	79,79,79,79	0
56	MG	1A	4577	1/1	0.96	0.08	58,58,58,58	0
56	MG	1a	1769	1/1	0.96	0.20	131,131,131,131	0
56	MG	2B	202	1/1	0.96	0.19	137,137,137,137	0
56	MG	2A	3771	1/1	0.96	0.22	101,101,101,101	0
56	MG	2A	3749	1/1	0.96	0.24	93,93,93,93	0
56	MG	2A	3772	1/1	0.96	0.10	98,98,98,98	0
56	MG	1a	1618	1/1	0.96	0.31	94,94,94,94	0
56	MG	2A	3499	1/1	0.96	0.16	100,100,100,100	0
56	MG	2A	3813	1/1	0.96	0.17	126,126,126,126	0
56	MG	1A	4541	1/1	0.96	0.32	56,56,56,56	0
56	MG	1A	4246	1/1	0.96	0.20	51,51,51,51	0
56	MG	1A	4982	1/1	0.96	0.13	54,54,54,54	0
56	MG	1A	4062	1/1	0.96	0.41	72,72,72,72	0
56	MG	2a	1864	1/1	0.96	0.32	161,161,161,161	0
56	MG	1a	1721	1/1	0.96	0.12	134,134,134,134	0
56	MG	1A	4838	1/1	0.96	0.38	73,73,73,73	0
56	MG	1d	302	1/1	0.96	0.17	149,149,149,149	0
56	MG	2A	3318	1/1	0.96	0.48	83,83,83,83	0
56	MG	1B	217	1/1	0.96	0.23	71,71,71,71	0
56	MG	1A	4105	1/1	0.96	0.37	46,46,46,46	0
56	MG	2A	3110	1/1	0.96	0.19	189,189,189,189	0
56	MG	1B	225	1/1	0.96	0.37	92,92,92,92	0
56	MG	2A	3320	1/1	0.96	0.62	88,88,88,88	0
56	MG	1A	4675	1/1	0.96	0.23	104,104,104,104	0
56	MG	2s	103	1/1	0.96	0.10	251,251,251,251	0
56	MG	2A	3195	1/1	0.96	0.49	90,90,90,90	0
56	MG	2A	3231	1/1	0.96	0.23	95,95,95,95	0
56	MG	1A	4067	1/1	0.96	0.33	86,86,86,86	0
56	MG	2A	3694	1/1	0.96	0.53	61,61,61,61	0
56	MG	2A	3515	1/1	0.96	0.35	115,115,115,115	0
56	MG	1A	4552	1/1	0.96	0.25	71,71,71,71	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	2A	3315	1/1	0.96	0.20	90,90,90,90	0
56	MG	1a	1665	1/1	0.96	0.12	132,132,132,132	0
56	MG	1a	1696	1/1	0.96	0.13	159,159,159,159	0
56	MG	1A	4572	1/1	0.96	0.18	83,83,83,83	0
56	MG	1A	4934	1/1	0.96	0.33	77,77,77,77	0
56	MG	2a	1601	1/1	0.96	0.18	122,122,122,122	0
56	MG	1A	4272	1/1	0.96	0.31	68,68,68,68	0
56	MG	2a	1919	1/1	0.96	0.12	155,155,155,155	0
56	MG	2A	3803	1/1	0.96	0.19	112,112,112,112	0
56	MG	1A	4115	1/1	0.96	0.24	62,62,62,62	0
56	MG	2a	1832	1/1	0.96	0.10	138,138,138,138	0
56	MG	1A	4522	1/1	0.96	0.24	76,76,76,76	0
56	MG	1A	4399	1/1	0.96	0.14	77,77,77,77	0
56	MG	1A	4204	1/1	0.96	0.14	64,64,64,64	0
56	MG	1A	4145	1/1	0.96	0.47	51,51,51,51	0
56	MG	1A	4969	1/1	0.96	0.23	63,63,63,63	0
56	MG	2a	1917	1/1	0.96	0.14	86,86,86,86	0
56	MG	1A	4269	1/1	0.96	0.15	69,69,69,69	0
56	MG	1A	4196	1/1	0.96	0.32	73,73,73,73	0
56	MG	2A	3405	1/1	0.96	0.28	130,130,130,130	0
56	MG	2A	3345	1/1	0.96	0.36	83,83,83,83	0
56	MG	2A	3784	1/1	0.96	0.35	110,110,110,110	0
56	MG	2A	3710	1/1	0.96	0.22	95,95,95,95	0
56	MG	2A	3657	1/1	0.96	0.12	103,103,103,103	0
56	MG	1A	4070	1/1	0.96	0.21	67,67,67,67	0
56	MG	1A	4211	1/1	0.96	0.36	57,57,57,57	0
56	MG	1a	1806	1/1	0.96	0.19	135,135,135,135	0
56	MG	2A	3047	1/1	0.96	0.26	99,99,99,99	0
56	MG	2A	3702	1/1	0.96	0.25	92,92,92,92	0
56	MG	2A	3748	1/1	0.96	0.33	104,104,104,104	0
56	MG	2A	3187	1/1	0.96	0.18	105,105,105,105	0
56	MG	1A	4128	1/1	0.96	0.20	60,60,60,60	0
56	MG	2A	3209	1/1	0.96	0.24	93,93,93,93	0
56	MG	1A	4871	1/1	0.96	0.24	55,55,55,55	0
56	MG	1a	1825	1/1	0.96	0.26	214,214,214,214	0
56	MG	1A	4922	1/1	0.96	0.18	67,67,67,67	0
56	MG	1A	4420	1/1	0.96	0.24	50,50,50,50	0
56	MG	1A	4554	1/1	0.96	0.25	79,79,79,79	0
56	MG	1A	5048	1/1	0.97	0.09	65,65,65,65	0
56	MG	2A	3049	1/1	0.97	0.34	94,94,94,94	0
56	MG	1A	4111	1/1	0.97	0.30	49,49,49,49	0
56	MG	2a	1750	1/1	0.97	0.91	120,120,120,120	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	2A	3313	1/1	0.97	0.22	95,95,95,95	0
57	ZN	1Y	302	1/1	0.97	0.12	96,96,96,96	0
56	MG	2A	3602	1/1	0.97	0.18	97,97,97,97	0
56	MG	1a	1635	1/1	0.97	0.16	121,121,121,121	0
56	MG	1a	1720	1/1	0.97	0.40	124,124,124,124	0
56	MG	1A	4907	1/1	0.97	0.20	52,52,52,52	0
56	MG	1A	4256	1/1	0.97	0.34	65,65,65,65	0
56	MG	1A	4760	1/1	0.97	0.25	67,67,67,67	0
56	MG	1A	5032	1/1	0.97	0.20	83,83,83,83	0
56	MG	2A	3326	1/1	0.97	0.40	85,85,85,85	0
56	MG	1A	4342	1/1	0.97	0.17	65,65,65,65	0
56	MG	1A	4407	1/1	0.97	0.25	52,52,52,52	0
56	MG	1A	4539	1/1	0.97	0.19	69,69,69,69	0
56	MG	2A	3518	1/1	0.97	0.10	96,96,96,96	0
56	MG	1A	5046	1/1	0.97	0.10	78,78,78,78	0
56	MG	1A	4260	1/1	0.97	0.37	58,58,58,58	0
56	MG	1A	4470	1/1	0.97	0.18	54,54,54,54	0
56	MG	1A	4237	1/1	0.97	0.37	73,73,73,73	0
56	MG	1A	4159	1/1	0.97	0.18	50,50,50,50	0
56	MG	1A	4440	1/1	0.97	0.22	73,73,73,73	0
56	MG	1A	4469	1/1	0.97	0.19	56,56,56,56	0
56	MG	1a	1716	1/1	0.97	0.22	120,120,120,120	0
56	MG	1A	4465	1/1	0.97	0.19	60,60,60,60	0
56	MG	1A	4494	1/1	0.97	0.18	78,78,78,78	0
56	MG	1A	4878	1/1	0.97	0.34	77,77,77,77	0
56	MG	1A	4332	1/1	0.97	0.34	75,75,75,75	0
56	MG	1a	1668	1/1	0.97	0.07	139,139,139,139	0
56	MG	2a	1818	1/1	0.97	0.16	156,156,156,156	0
56	MG	1A	4351	1/1	0.97	0.09	67,67,67,67	0
56	MG	2A	3764	1/1	0.97	0.10	151,151,151,151	0
56	MG	2A	3433	1/1	0.97	0.48	92,92,92,92	0
56	MG	2A	3804	1/1	0.97	0.29	114,114,114,114	0
56	MG	1A	5039	1/1	0.97	0.11	68,68,68,68	0
56	MG	1A	4826	1/1	0.97	0.39	91,91,91,91	0
56	MG	2a	1813	1/1	0.97	0.10	143,143,143,143	0
56	MG	1A	4109	1/1	0.97	0.21	54,54,54,54	0
56	MG	1A	4493	1/1	0.97	0.34	68,68,68,68	0
56	MG	1A	4810	1/1	0.97	0.12	63,63,63,63	0
56	MG	2N	202	1/1	0.97	0.40	84,84,84,84	0
56	MG	2A	3011	1/1	0.97	0.29	104,104,104,104	0
56	MG	2A	3819	1/1	0.97	0.12	42,42,42,42	0
56	MG	1A	4852	1/1	0.97	0.44	71,71,71,71	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	1B	210	1/1	0.97	0.54	89,89,89,89	0
56	MG	2a	1820	1/1	0.97	0.22	155,155,155,155	0
56	MG	1A	4877	1/1	0.97	0.15	81,81,81,81	0
56	MG	1A	5008	1/1	0.97	0.21	76,76,76,76	0
56	MG	2A	3600	1/1	0.97	0.07	118,118,118,118	0
56	MG	2A	3840	1/1	0.97	0.26	117,117,117,117	0
56	MG	2a	1720	1/1	0.97	0.10	153,153,153,153	0
56	MG	2A	3068	1/1	0.97	0.23	148,148,148,148	0
56	MG	27	103	1/1	0.97	0.12	97,97,97,97	0
56	MG	1A	4426	1/1	0.97	0.18	77,77,77,77	0
56	MG	2A	3827	1/1	0.97	0.10	105,105,105,105	0
56	MG	2A	3620	1/1	0.97	0.43	122,122,122,122	0
56	MG	2A	3406	1/1	0.97	0.14	140,140,140,140	0
56	MG	2A	3422	1/1	0.97	0.10	130,130,130,130	0
56	MG	1A	4556	1/1	0.97	0.17	58,58,58,58	0
56	MG	2A	3378	1/1	0.97	0.15	106,106,106,106	0
56	MG	1A	4558	1/1	0.97	0.25	66,66,66,66	0
56	MG	27	102	1/1	0.97	0.56	89,89,89,89	0
56	MG	1A	4122	1/1	0.97	0.40	66,66,66,66	0
56	MG	2A	3296	1/1	0.97	0.37	94,94,94,94	0
56	MG	2A	3290	1/1	0.97	0.30	112,112,112,112	0
56	MG	2A	3665	1/1	0.97	0.22	129,129,129,129	0
56	MG	1A	4983	1/1	0.97	0.21	56,56,56,56	0
56	MG	2A	3177	1/1	0.97	0.47	113,113,113,113	0
56	MG	1a	1633	1/1	0.97	0.18	109,109,109,109	0
58	SF4	1d	304	8/8	0.97	0.20	150,150,150,150	0
56	MG	1A	5010	1/1	0.97	0.28	75,75,75,75	0
56	MG	2A	3081	1/1	0.97	0.18	125,125,125,125	0
56	MG	2a	1631	1/1	0.97	0.09	151,151,151,151	0
56	MG	2a	1891	1/1	0.97	0.11	157,157,157,157	0
56	MG	1A	4782	1/1	0.97	0.23	81,81,81,81	0
56	MG	1P	204	1/1	0.97	0.10	88,88,88,88	0
56	MG	1a	1888	1/1	0.97	0.16	119,119,119,119	0
56	MG	2D	305	1/1	0.97	0.12	96,96,96,96	0
56	MG	2a	1833	1/1	0.97	0.26	161,161,161,161	0
56	MG	2A	3445	1/1	0.97	0.47	86,86,86,86	0
56	MG	1A	4570	1/1	0.97	0.30	60,60,60,60	0
56	MG	2A	3276	1/1	0.97	0.29	85,85,85,85	0
56	MG	1A	4088	1/1	0.97	0.24	66,66,66,66	0
56	MG	1A	4400	1/1	0.97	0.17	75,75,75,75	0
56	MG	2A	3623	1/1	0.97	0.31	147,147,147,147	0
56	MG	1A	4152	1/1	0.97	0.31	56,56,56,56	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	1A	4194	1/1	0.97	0.22	68,68,68,68	0
57	ZN	15	103	1/1	0.97	0.16	74,74,74,74	0
56	MG	1a	1726	1/1	0.97	0.09	127,127,127,127	0
56	MG	2A	3368	1/1	0.97	0.25	100,100,100,100	0
56	MG	2A	3124	1/1	0.97	0.20	125,125,125,125	0
56	MG	1A	4176	1/1	0.97	0.22	59,59,59,59	0
56	MG	1A	4252	1/1	0.97	0.40	54,54,54,54	0
56	MG	2A	3274	1/1	0.97	0.21	83,83,83,83	0
56	MG	1A	4468	1/1	0.97	0.21	58,58,58,58	0
56	MG	1A	5043	1/1	0.97	0.62	71,71,71,71	0
56	MG	1A	4574	1/1	0.97	0.25	57,57,57,57	0
56	MG	1A	4041	1/1	0.97	0.64	74,74,74,74	0
56	MG	1A	4206	1/1	0.97	0.36	55,55,55,55	0
56	MG	2A	3293	1/1	0.97	0.52	94,94,94,94	0
56	MG	18	101	1/1	0.97	0.30	56,56,56,56	0
56	MG	1a	1811	1/1	0.97	0.17	99,99,99,99	0
56	MG	1A	4255	1/1	0.97	0.29	65,65,65,65	0
56	MG	1a	1886	1/1	0.97	0.22	125,125,125,125	0
56	MG	1A	4713	1/1	0.97	0.26	55,55,55,55	0
56	MG	2A	3696	1/1	0.97	0.27	105,105,105,105	0
56	MG	2A	3498	1/1	0.97	0.12	102,102,102,102	0
56	MG	1A	4513	1/1	0.97	0.28	78,78,78,78	0
56	MG	2A	3507	1/1	0.97	0.22	128,128,128,128	0
56	MG	1A	4413	1/1	0.97	0.20	63,63,63,63	0
56	MG	1A	4814	1/1	0.97	0.69	59,59,59,59	0
56	MG	1A	4423	1/1	0.97	0.21	53,53,53,53	0
56	MG	2A	3711	1/1	0.97	0.17	95,95,95,95	0
56	MG	1A	4254	1/1	0.97	0.30	66,66,66,66	0
56	MG	1A	4213	1/1	0.97	0.40	57,57,57,57	0
56	MG	1A	4496	1/1	0.97	0.76	60,60,60,60	0
56	MG	1A	4517	1/1	0.97	0.78	81,81,81,81	0
56	MG	1a	1759	1/1	0.97	0.19	104,104,104,104	0
56	MG	1A	4564	1/1	0.97	0.34	56,56,56,56	0
56	MG	1A	4458	1/1	0.97	0.34	60,60,60,60	0
56	MG	2D	304	1/1	0.97	0.13	107,107,107,107	0
56	MG	1A	4167	1/1	0.97	0.37	58,58,58,58	0
56	MG	2A	3656	1/1	0.97	0.51	109,109,109,109	0
56	MG	2A	3165	1/1	0.97	0.21	98,98,98,98	0
56	MG	2A	3679	1/1	0.97	0.49	106,106,106,106	0
56	MG	1a	1610	1/1	0.97	0.34	90,90,90,90	0
56	MG	2A	3494	1/1	0.97	0.33	134,134,134,134	0
56	MG	1A	4251	1/1	0.97	0.23	60,60,60,60	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	1A	4476	1/1	0.97	0.17	66,66,66,66	0
56	MG	1A	5057	1/1	0.97	0.21	170,170,170,170	0
56	MG	1A	4302	1/1	0.97	0.42	80,80,80,80	0
56	MG	1A	4557	1/1	0.97	0.38	58,58,58,58	0
56	MG	1A	4205	1/1	0.97	0.20	56,56,56,56	0
56	MG	1a	1717	1/1	0.97	0.43	110,110,110,110	0
56	MG	1A	4418	1/1	0.97	0.20	52,52,52,52	0
56	MG	2A	3723	1/1	0.97	0.20	96,96,96,96	0
56	MG	1A	4793	1/1	0.97	0.17	108,108,108,108	0
56	MG	1A	4914	1/1	0.97	0.18	74,74,74,74	0
56	MG	2A	3304	1/1	0.97	0.50	127,127,127,127	0
56	MG	2A	3568	1/1	0.97	0.22	92,92,92,92	0
56	MG	1A	4569	1/1	0.97	0.32	60,60,60,60	0
56	MG	1A	4717	1/1	0.97	0.64	81,81,81,81	0
56	MG	2a	1605	1/1	0.97	0.27	127,127,127,127	0
56	MG	2A	3731	1/1	0.97	0.24	86,86,86,86	0
56	MG	1a	1750	1/1	0.97	0.17	134,134,134,134	0
56	MG	1a	1847	1/1	0.97	0.12	184,184,184,184	0
56	MG	17	102	1/1	0.97	0.80	61,61,61,61	0
56	MG	1A	4534	1/1	0.97	0.20	78,78,78,78	0
56	MG	2A	3796	1/1	0.97	0.18	96,96,96,96	0
56	MG	1A	4741	1/1	0.97	0.28	75,75,75,75	0
56	MG	1A	4127	1/1	0.97	0.45	63,63,63,63	0
56	MG	2A	3352	1/1	0.97	0.18	89,89,89,89	0
56	MG	2A	3386	1/1	0.97	0.21	125,125,125,125	0
56	MG	1A	4277	1/1	0.97	0.58	53,53,53,53	0
56	MG	2A	3013	1/1	0.97	0.38	118,118,118,118	0
56	MG	2A	3812	1/1	0.97	0.45	144,144,144,144	0
56	MG	1A	4096	1/1	0.97	0.36	55,55,55,55	0
56	MG	1A	4281	1/1	0.97	0.30	70,70,70,70	0
56	MG	1A	4808	1/1	0.97	0.23	53,53,53,53	0
56	MG	1A	4335	1/1	0.97	0.19	76,76,76,76	0
57	ZN	25	102	1/1	0.97	0.20	119,119,119,119	0
56	MG	1A	4666	1/1	0.97	0.49	78,78,78,78	0
56	MG	1A	4919	1/1	0.97	0.29	62,62,62,62	0
56	MG	1A	4641	1/1	0.97	0.16	79,79,79,79	0
56	MG	1a	1887	1/1	0.97	0.17	130,130,130,130	0
56	MG	2A	3705	1/1	0.97	0.26	98,98,98,98	0
56	MG	2A	3790	1/1	0.97	0.33	96,96,96,96	0
56	MG	1A	4813	1/1	0.97	0.14	70,70,70,70	0
56	MG	2a	1655	1/1	0.97	0.06	142,142,142,142	0
56	MG	1A	4177	1/1	0.97	0.20	58,58,58,58	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	1A	4276	1/1	0.97	0.30	67,67,67,67	0
56	MG	2a	1751	1/1	0.97	0.26	116,116,116,116	0
56	MG	1A	4974	1/1	0.97	0.11	74,74,74,74	0
56	MG	1A	4508	1/1	0.97	0.25	70,70,70,70	0
56	MG	2A	3703	1/1	0.97	0.43	94,94,94,94	0
56	MG	2q	203	1/1	0.97	0.28	151,151,151,151	0
56	MG	1A	4658	1/1	0.97	0.33	96,96,96,96	0
56	MG	1A	4103	1/1	0.97	0.26	50,50,50,50	0
56	MG	15	102	1/1	0.97	0.21	60,60,60,60	0
56	MG	1a	1851	1/1	0.97	0.16	175,175,175,175	0
56	MG	1A	4001	1/1	0.98	0.31	65,65,65,65	0
56	MG	1A	4289	1/1	0.98	0.27	68,68,68,68	0
56	MG	1A	4731	1/1	0.98	0.15	54,54,54,54	0
56	MG	1A	4188	1/1	0.98	0.30	68,68,68,68	0
56	MG	1A	4125	1/1	0.98	0.35	79,79,79,79	0
56	MG	1a	1643	1/1	0.98	0.23	130,130,130,130	0
56	MG	1A	4928	1/1	0.98	0.15	77,77,77,77	0
56	MG	2A	3325	1/1	0.98	0.36	88,88,88,88	0
56	MG	1A	4139	1/1	0.98	0.27	68,68,68,68	0
56	MG	1E	307	1/1	0.98	0.38	62,62,62,62	0
56	MG	2A	3653	1/1	0.98	0.13	117,117,117,117	0
56	MG	2A	3149	1/1	0.98	0.48	110,110,110,110	0
56	MG	2a	1848	1/1	0.98	0.13	157,157,157,157	0
56	MG	1A	4195	1/1	0.98	0.23	68,68,68,68	0
56	MG	1A	4939	1/1	0.98	0.17	71,71,71,71	0
56	MG	2A	3452	1/1	0.98	0.53	90,90,90,90	0
56	MG	1A	4998	1/1	0.98	0.16	80,80,80,80	0
56	MG	1A	4803	1/1	0.98	0.11	101,101,101,101	0
56	MG	1a	1722	1/1	0.98	0.53	113,113,113,113	0
56	MG	1A	4161	1/1	0.98	0.21	58,58,58,58	0
56	MG	1A	4880	1/1	0.98	0.20	83,83,83,83	0
58	SF4	2d	303	8/8	0.98	0.13	166,166,166,166	0
56	MG	2a	1823	1/1	0.98	0.10	153,153,153,153	0
56	MG	1A	4553	1/1	0.98	0.22	91,91,91,91	0
56	MG	1A	4366	1/1	0.98	0.30	60,60,60,60	0
56	MG	1A	4770	1/1	0.98	0.30	65,65,65,65	0
56	MG	2A	3616	1/1	0.98	0.16	93,93,93,93	0
56	MG	1A	4004	1/1	0.98	0.52	45,45,45,45	0
56	MG	1A	5045	1/1	0.98	0.61	67,67,67,67	0
56	MG	2a	1725	1/1	0.98	0.12	142,142,142,142	0
56	MG	18	103	1/1	0.98	0.19	75,75,75,75	0
56	MG	1A	4352	1/1	0.98	0.24	61,61,61,61	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	1A	4338	1/1	0.98	0.14	67,67,67,67	0
56	MG	1A	4187	1/1	0.98	0.31	67,67,67,67	0
56	MG	2a	1638	1/1	0.98	0.25	148,148,148,148	0
56	MG	2A	3674	1/1	0.98	0.52	145,145,145,145	0
56	MG	1A	4668	1/1	0.98	0.28	93,93,93,93	0
56	MG	1A	4283	1/1	0.98	0.35	65,65,65,65	0
56	MG	1A	4870	1/1	0.98	0.16	54,54,54,54	0
56	MG	1A	4599	1/1	0.98	0.13	60,60,60,60	0
56	MG	1A	4392	1/1	0.98	0.08	103,103,103,103	0
56	MG	1A	4347	1/1	0.98	0.18	66,66,66,66	0
56	MG	2A	3237	1/1	0.98	0.15	112,112,112,112	0
56	MG	1A	4796	1/1	0.98	0.15	100,100,100,100	0
56	MG	1A	4171	1/1	0.98	0.47	49,49,49,49	0
56	MG	1A	4952	1/1	0.98	0.16	65,65,65,65	0
56	MG	1A	4555	1/1	0.98	0.35	57,57,57,57	0
56	MG	1N	201	1/1	0.98	0.35	72,72,72,72	0
56	MG	1A	4102	1/1	0.98	0.14	53,53,53,53	0
56	MG	2a	1642	1/1	0.98	0.08	143,143,143,143	0
56	MG	2A	3114	1/1	0.98	0.17	153,153,153,153	0
56	MG	1A	4801	1/1	0.98	0.19	76,76,76,76	0
56	MG	1A	4215	1/1	0.98	0.42	54,54,54,54	0
56	MG	1A	4991	1/1	0.98	0.15	66,66,66,66	0
56	MG	2A	3311	1/1	0.98	0.36	102,102,102,102	0
56	MG	1T	202	1/1	0.98	0.21	83,83,83,83	0
56	MG	1a	1675	1/1	0.98	0.29	124,124,124,124	0
56	MG	1A	4262	1/1	0.98	0.22	66,66,66,66	0
56	MG	1A	4967	1/1	0.98	0.10	83,83,83,83	0
56	MG	1A	4614	1/1	0.98	0.18	71,71,71,71	0
56	MG	2A	3436	1/1	0.98	0.24	104,104,104,104	0
56	MG	1A	4345	1/1	0.98	0.25	65,65,65,65	0
56	MG	2a	1825	1/1	0.98	0.19	169,169,169,169	0
56	MG	1A	4271	1/1	0.98	0.58	62,62,62,62	0
56	MG	1A	4617	1/1	0.98	0.21	98,98,98,98	0
56	MG	1A	4951	1/1	0.98	0.20	68,68,68,68	0
56	MG	1A	4995	1/1	0.98	0.18	77,77,77,77	0
56	MG	2A	3670	1/1	0.98	0.10	92,92,92,92	0
56	MG	1A	4073	1/1	0.98	0.20	71,71,71,71	0
56	MG	1A	4533	1/1	0.98	0.32	68,68,68,68	0
56	MG	1A	4056	1/1	0.98	0.49	66,66,66,66	0
56	MG	2A	3557	1/1	0.98	0.22	90,90,90,90	0
56	MG	1A	4220	1/1	0.98	0.29	60,60,60,60	0
56	MG	2A	3851	1/1	0.98	0.20	110,110,110,110	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	2A	3799	1/1	0.98	0.13	116,116,116,116	0
56	MG	1A	4384	1/1	0.98	0.21	66,66,66,66	0
56	MG	1A	4358	1/1	0.98	0.14	72,72,72,72	0
56	MG	1A	4002	1/1	0.98	0.13	65,65,65,65	0
56	MG	2a	1644	1/1	0.98	0.41	125,125,125,125	0
57	ZN	16	102	1/1	0.98	0.16	82,82,82,82	0
56	MG	1A	4147	1/1	0.98	0.28	57,57,57,57	0
56	MG	1A	4827	1/1	0.98	0.23	69,69,69,69	0
56	MG	2a	1830	1/1	0.98	0.06	147,147,147,147	0
56	MG	2A	3265	1/1	0.98	0.13	90,90,90,90	0
56	MG	2a	1836	1/1	0.98	0.39	124,124,124,124	0
56	MG	1A	4216	1/1	0.98	0.21	62,62,62,62	0
56	MG	1a	1741	1/1	0.98	0.08	139,139,139,139	0
56	MG	2A	3596	1/1	0.98	0.10	100,100,100,100	0
56	MG	1a	1713	1/1	0.98	0.26	109,109,109,109	0
56	MG	1A	4397	1/1	0.98	0.12	72,72,72,72	0
56	MG	1A	4471	1/1	0.98	0.38	60,60,60,60	0
56	MG	1A	5017	1/1	0.98	0.29	68,68,68,68	0
56	MG	2A	3438	1/1	0.98	0.54	79,79,79,79	0
56	MG	1A	4769	1/1	0.98	0.13	72,72,72,72	0
56	MG	1A	4771	1/1	0.98	0.25	70,70,70,70	0
56	MG	2A	3852	1/1	0.98	0.14	96,96,96,96	0
56	MG	1A	4017	1/1	0.98	0.26	69,69,69,69	0
56	MG	1A	4709	1/1	0.98	0.14	68,68,68,68	0
56	MG	2A	3228	1/1	0.98	0.14	98,98,98,98	0
56	MG	1A	4729	1/1	0.98	0.36	64,64,64,64	0
56	MG	1A	4201	1/1	0.98	0.53	70,70,70,70	0
56	MG	1A	4362	1/1	0.98	0.19	67,67,67,67	0
56	MG	2A	3375	1/1	0.98	0.25	103,103,103,103	0
56	MG	1A	4174	1/1	0.98	0.19	59,59,59,59	0
56	MG	2A	3496	1/1	0.98	0.17	99,99,99,99	0
56	MG	2A	3638	1/1	0.98	0.10	114,114,114,114	0
56	MG	1a	1676	1/1	0.98	0.08	151,151,151,151	0
56	MG	2A	3118	1/1	0.98	0.17	135,135,135,135	0
56	MG	2A	3409	1/1	0.98	0.09	116,116,116,116	0
56	MG	2A	3659	1/1	0.98	0.53	149,149,149,149	0
56	MG	1A	4591	1/1	0.98	0.13	85,85,85,85	0
56	MG	1a	1785	1/1	0.98	0.33	136,136,136,136	0
56	MG	15	101	1/1	0.98	0.23	61,61,61,61	0
56	MG	1a	1736	1/1	0.98	0.63	145,145,145,145	0
56	MG	2A	3846	1/1	0.98	0.25	108,108,108,108	0
56	MG	1A	4904	1/1	0.98	0.19	63,63,63,63	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	2A	3261	1/1	0.98	0.39	80,80,80,80	0
56	MG	2A	3669	1/1	0.98	0.20	92,92,92,92	0
56	MG	1P	205	1/1	0.98	0.10	95,95,95,95	0
56	MG	2A	3396	1/1	0.98	0.16	126,126,126,126	0
56	MG	1A	4718	1/1	0.98	0.11	99,99,99,99	0
56	MG	1A	4674	1/1	0.98	0.24	91,91,91,91	0
56	MG	1a	1816	1/1	0.98	0.33	183,183,183,183	0
56	MG	1A	4225	1/1	0.98	0.25	73,73,73,73	0
56	MG	1A	4346	1/1	0.98	0.14	72,72,72,72	0
56	MG	2A	3807	1/1	0.98	0.23	132,132,132,132	0
56	MG	1a	1693	1/1	0.98	0.14	136,136,136,136	0
56	MG	2A	3322	1/1	0.98	0.27	88,88,88,88	0
56	MG	1A	4607	1/1	0.98	0.24	67,67,67,67	0
56	MG	2A	3741	1/1	0.98	0.20	85,85,85,85	0
56	MG	1A	4944	1/1	0.98	0.17	88,88,88,88	0
56	MG	1A	4044	1/1	0.98	0.15	62,62,62,62	0
56	MG	2A	3303	1/1	0.98	0.19	113,113,113,113	0
56	MG	1a	1711	1/1	0.98	0.11	125,125,125,125	0
56	MG	2a	1685	1/1	0.98	0.37	167,167,167,167	0
56	MG	2a	1660	1/1	0.98	0.44	142,142,142,142	0
56	MG	1A	4913	1/1	0.98	0.14	72,72,72,72	0
56	MG	2A	3848	1/1	0.98	0.12	61,61,61,61	0
56	MG	1A	4851	1/1	0.98	0.24	72,72,72,72	0
56	MG	1A	5018	1/1	0.99	0.21	71,71,71,71	0
56	MG	2A	3757	1/1	0.99	0.20	127,127,127,127	0
56	MG	2A	3357	1/1	0.99	0.08	87,87,87,87	0
56	MG	1A	4611	1/1	0.99	0.16	54,54,54,54	0
56	MG	1A	4355	1/1	0.99	0.16	67,67,67,67	0
56	MG	1A	4744	1/1	0.99	0.20	69,69,69,69	0
56	MG	1A	4996	1/1	0.99	0.19	71,71,71,71	0
56	MG	1A	4150	1/1	0.99	0.16	59,59,59,59	0
56	MG	2A	3180	1/1	0.99	0.16	116,116,116,116	0
56	MG	1a	1614	1/1	0.99	0.10	93,93,93,93	0
56	MG	1a	1616	1/1	0.99	0.11	99,99,99,99	0
56	MG	1A	4792	1/1	0.99	0.14	66,66,66,66	0
56	MG	1O	202	1/1	0.99	0.47	82,82,82,82	0
56	MG	1A	4789	1/1	0.99	0.26	96,96,96,96	0
56	MG	2A	3286	1/1	0.99	0.20	101,101,101,101	0
56	MG	1A	4076	1/1	0.99	0.18	77,77,77,77	0
56	MG	2A	3353	1/1	0.99	0.20	83,83,83,83	0
56	MG	2a	1831	1/1	0.99	0.06	145,145,145,145	0
56	MG	1A	4856	1/1	0.99	0.14	60,60,60,60	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	1A	4382	1/1	0.99	0.27	68,68,68,68	0
56	MG	1a	1793	1/1	0.99	0.12	128,128,128,128	0
56	MG	1A	4800	1/1	0.99	0.22	69,69,69,69	0
56	MG	1A	4758	1/1	0.99	0.23	75,75,75,75	0
56	MG	1A	4872	1/1	0.99	0.17	54,54,54,54	0
56	MG	2a	1679	1/1	0.99	0.12	166,166,166,166	0
56	MG	1A	4994	1/1	0.99	0.16	79,79,79,79	0
56	MG	1A	4869	1/1	0.99	0.23	54,54,54,54	0
56	MG	2A	3455	1/1	0.99	0.15	90,90,90,90	0
56	MG	2A	3045	1/1	0.99	0.33	93,93,93,93	0
56	MG	1A	4208	1/1	0.99	0.17	56,56,56,56	0
56	MG	1A	4248	1/1	0.99	0.20	56,56,56,56	0
56	MG	1A	4293	1/1	0.99	0.25	78,78,78,78	0
56	MG	1A	4906	1/1	0.99	0.15	57,57,57,57	0
56	MG	1A	4817	1/1	0.99	0.17	65,65,65,65	0
56	MG	2A	3592	1/1	0.99	0.23	129,129,129,129	0
56	MG	2A	3589	1/1	0.99	0.13	127,127,127,127	0
56	MG	2A	3053	1/1	0.99	0.16	96,96,96,96	0
56	MG	1A	4853	1/1	0.99	0.18	78,78,78,78	0
56	MG	1A	4325	1/1	0.99	0.22	63,63,63,63	0
56	MG	1a	1876	1/1	0.99	0.08	102,102,102,102	0
56	MG	1A	4498	1/1	0.99	0.30	63,63,63,63	0
56	MG	1A	5029	1/1	0.99	0.10	69,69,69,69	0
56	MG	1A	4918	1/1	0.99	0.19	61,61,61,61	0
56	MG	1A	4971	1/1	0.99	0.14	63,63,63,63	0
56	MG	1A	4615	1/1	0.99	0.14	67,67,67,67	0
56	MG	1A	4092	1/1	0.99	0.11	60,60,60,60	0
56	MG	1A	4839	1/1	0.99	0.19	63,63,63,63	0
56	MG	1E	306	1/1	0.99	0.11	83,83,83,83	0
56	MG	2A	3580	1/1	0.99	0.27	118,118,118,118	0
56	MG	1A	4427	1/1	0.99	0.25	53,53,53,53	0
56	MG	2A	3510	1/1	0.99	0.07	94,94,94,94	0
56	MG	1A	4597	1/1	0.99	0.09	65,65,65,65	0
56	MG	2A	3314	1/1	0.99	0.21	93,93,93,93	0
56	MG	1A	4842	1/1	0.99	0.34	78,78,78,78	0
56	MG	1A	4104	1/1	0.99	0.18	56,56,56,56	0
56	MG	1A	4388	1/1	0.99	0.21	79,79,79,79	0
56	MG	1A	4410	1/1	0.99	0.43	47,47,47,47	0
56	MG	1A	4480	1/1	0.99	0.19	80,80,80,80	0
56	MG	1A	4571	1/1	0.99	0.15	79,79,79,79	0
56	MG	1A	4295	1/1	0.99	0.34	83,83,83,83	0
56	MG	2A	3471	1/1	0.99	0.17	113,113,113,113	0

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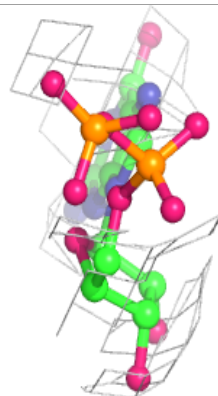
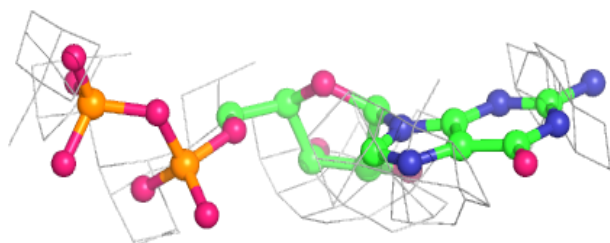
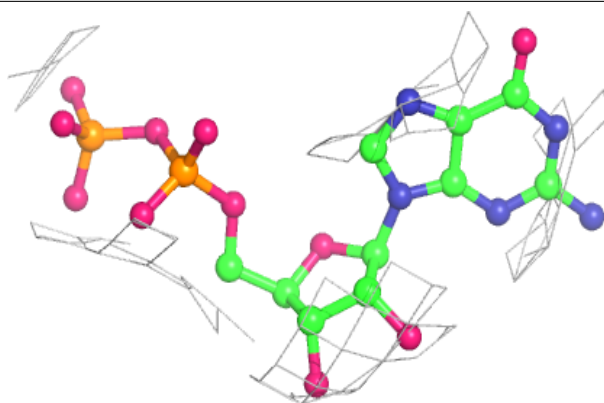
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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	1D	304	1/1	0.99	0.44	75,75,75,75	0
56	MG	1A	4680	1/1	0.99	0.15	82,82,82,82	0
56	MG	2A	3820	1/1	0.99	0.15	106,106,106,106	0
56	MG	1A	4979	1/1	0.99	0.13	58,58,58,58	0
56	MG	1A	4654	1/1	0.99	0.10	84,84,84,84	0
56	MG	1A	4716	1/1	0.99	0.20	72,72,72,72	0
56	MG	2A	3210	1/1	0.99	0.26	93,93,93,93	0
56	MG	2A	3662	1/1	0.99	0.15	96,96,96,96	0
56	MG	1A	4735	1/1	0.99	0.13	65,65,65,65	0
56	MG	1A	4207	1/1	0.99	0.32	52,52,52,52	0
56	MG	1A	4873	1/1	0.99	0.16	55,55,55,55	0
56	MG	1A	5000	1/1	0.99	0.12	63,63,63,63	0
56	MG	1v	703	1/1	0.99	0.18	116,116,116,116	0
56	MG	2A	3384	1/1	0.99	0.34	105,105,105,105	0
56	MG	1A	4843	1/1	0.99	0.26	76,76,76,76	0
57	ZN	19	102	1/1	0.99	0.20	80,80,80,80	0
56	MG	1A	5001	1/1	0.99	0.09	65,65,65,65	0
56	MG	1A	4474	1/1	0.99	0.26	56,56,56,56	0
56	MG	1A	4043	1/1	0.99	0.23	56,56,56,56	0
56	MG	1y	103	1/1	0.99	0.72	89,89,89,89	0
56	MG	1A	4210	1/1	0.99	0.29	58,58,58,58	0
56	MG	1A	4567	1/1	0.99	0.24	56,56,56,56	0
56	MG	1a	1778	1/1	0.99	0.53	126,126,126,126	0
56	MG	1A	5061	1/1	0.99	0.12	91,91,91,91	0
56	MG	1A	4755	1/1	1.00	0.36	60,60,60,60	0
56	MG	1A	4794	1/1	1.00	0.07	67,67,67,67	0

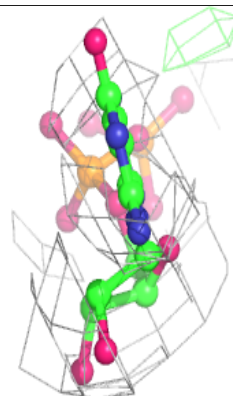
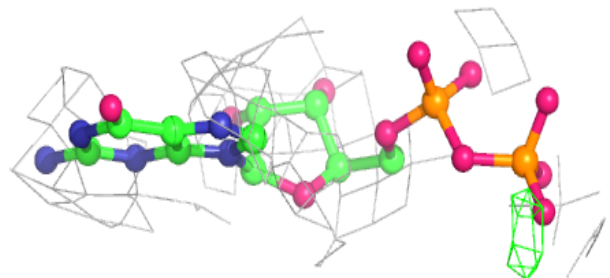
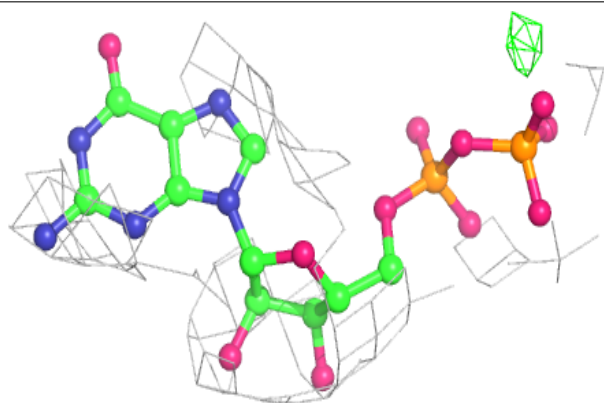
The following is a graphical depiction of the model fit to experimental electron density of all instances of the Ligand of Interest. In addition, ligands with molecular weight > 250 and outliers as shown on the geometry validation Tables will also be included. Each fit is shown from different orientation to approximate a three-dimensional view.

Electron density around GDP 2v 704:

$2mF_o-DF_c$ (at 0.7 rmsd) in gray
 mF_o-DF_c (at 3 rmsd) in purple (negative)
and green (positive)

**Electron density around GDP 1v 704:**

$2mF_o-DF_c$ (at 0.7 rmsd) in gray
 mF_o-DF_c (at 3 rmsd) in purple (negative)
and green (positive)



6.5 Other polymers [i](#)

There are no such residues in this entry.