



wwPDB X-ray Structure Validation Summary Report ⓘ

Nov 6, 2023 – 02:21 PM EST

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 types of validation reports are described at

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

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

MolProbity : 4.02b-467
Mogul : 1.8.5 (274361), CSD as541be (2020)
Xtriage (Phenix) : 1.13
EDS : 2.36
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) : 2.36

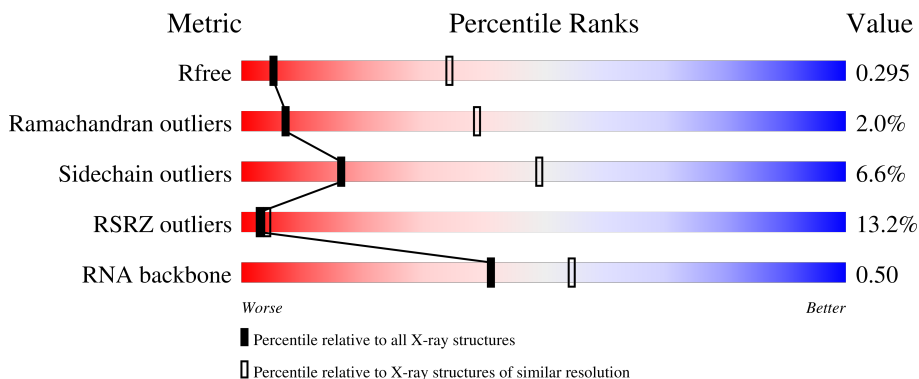
1 Overall quality at a glance

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

Mol	Chain	Length	Quality of chain
1	1A	2915	 2% 79% 19%
1	2A	2915	 4% 78% 17%
2	1B	121	 0% 86% 13%
2	2B	121	 0% 78% 21%
3	1D	276	 6% 92% 8%

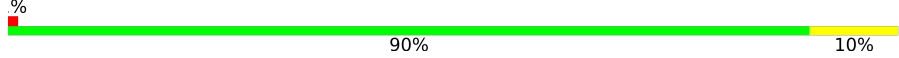
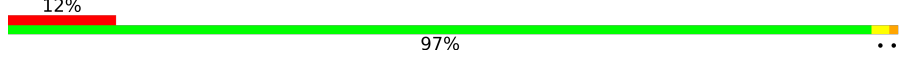
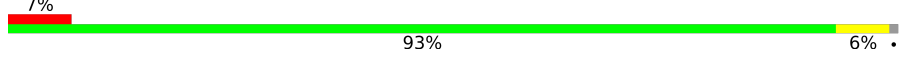
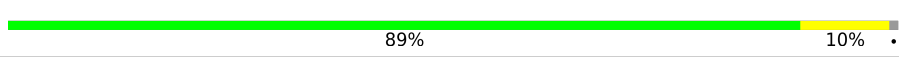
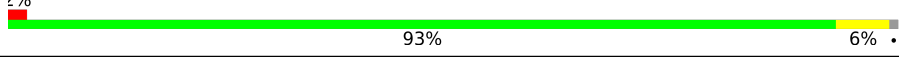
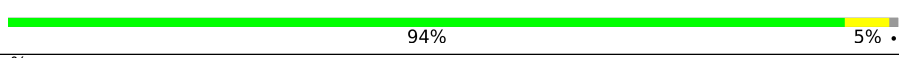

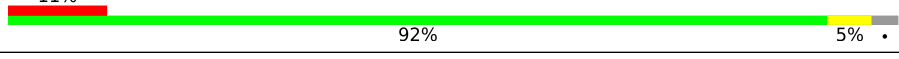
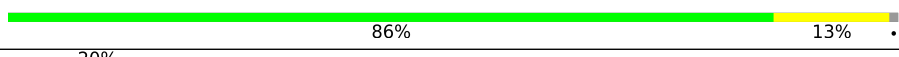


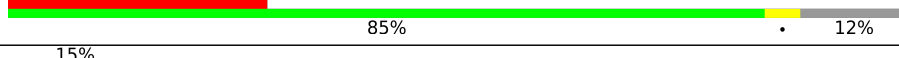
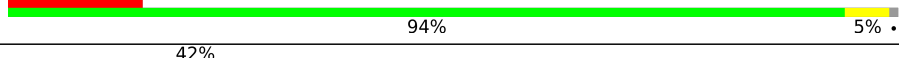
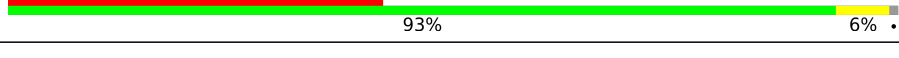

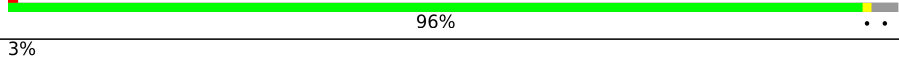

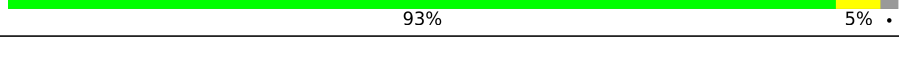

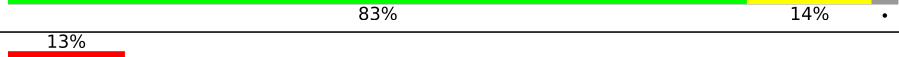
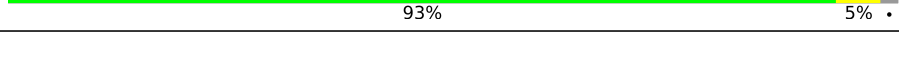
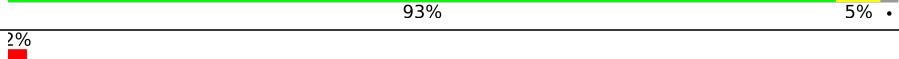
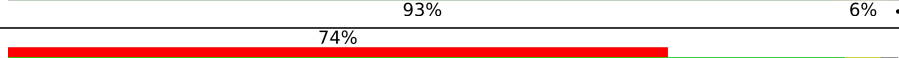
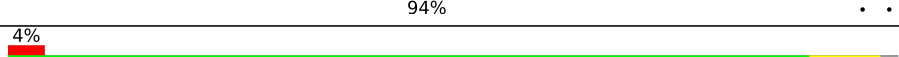
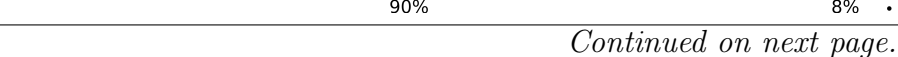
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Mol	Chain	Length	Quality of chain
3	2D	276	11% 93% 7%
4	1E	206	29% 89% 10%
4	2E	206	3% 93% 6%
5	1F	210	4% 90% 7%
5	2F	210	8% 94% ..
6	1G	182	% 93% 6%
6	2G	182	34% 93% 6%
7	1H	180	92% ..
7	2H	180	21% 93% ..
8	1N	140	3% 91% 9%
8	2N	140	19% 94% 6%
9	1O	122	53% 93% 7%
9	2O	122	49% 98% .
10	1P	150	3% 93% 7%
10	2P	150	26% 95% 5%
11	1Q	141	95% 5%
11	2Q	141	32% 95% 5%
12	1R	118	3% 84% 15%
12	2R	118	2% 95% 5%
13	1S	112	90% 8%
13	2S	112	2% 91% 7%
14	1T	146	32% 84% 6% 10%
14	2T	146	15% 86% 10%
15	1U	118	2% 94% ..
15	2U	118	6% 96% ..

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Mol	Chain	Length	Quality of chain
16	1V	101	 % 90% 10%
16	2V	101	 12% 97% ..
17	1W	113	 7% 93% 6% .
17	2W	113	 89% 10% .
18	1X	96	 2% 93% 6% .
18	2X	96	 94% 5% .
19	1Y	110	 % 88% 9% .
19	2Y	110	 11% 92% 5% .
20	1Z	206	 86% 13% .
20	2Z	206	 20% 86% 12% ..
21	10	85	 % 87% . 12%
21	20	85	 29% 85% . 12%
22	11	98	 15% 94% 5% .
22	21	98	 42% 93% 6% .
23	12	72	 89% 6% . .
23	22	72	 % 96% ..
24	13	60	 3% 87% 12% .
24	23	60	 17% 93% 5% .
25	14	71	 79% 17% . .
25	24	71	 20% 83% 14% .
26	15	60	 13% 93% 5% .
26	25	60	 93% 5% .
27	16	54	 2% 93% 6% .
27	26	54	 74% 94% . .
28	17	49	 4% 90% 8% .

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Mol	Chain	Length	Quality of chain
28	27	49	4% 86% 12%
29	18	65	6% 91% 8%
29	28	65	60% 98%
30	19	37	97%
30	29	37	22% 92% 8%
31	1a	1521	6% 82% 16%
31	2a	1521	7% 82% 17%
32	1b	256	4% 84% 6% 10%
32	2b	256	4% 84% 6% 10%
33	1c	239	54% 83% 14%
33	2c	239	47% 83% 14%
34	1d	209	9% 93% 6%
34	2d	209	11% 96%
35	1e	162	14% 88% 9%
35	2e	162	31% 87% 9%
36	1f	101	98%
36	2f	101	95%
37	1g	156	44% 94% 6%
37	2g	156	73% 96%
38	1h	138	4% 96%
38	2h	138	7% 94% 5%
39	1i	128	24% 95%
39	2i	128	26% 95% 5%
40	1j	105	41% 87% 6% 8%
40	2j	105	23% 88% 9%

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Mol	Chain	Length	Quality of chain
41	1k	129	35% 85% 12%
41	2k	129	47% 87% 12%
42	1l	132	13% 87% 5% 8%
42	2l	132	40% 88% 5% 8%
43	1m	126	10% 91% 6%
43	2m	126	23% 92% 5%
44	1n	61	52% 93% 5%
44	2n	61	51% 93% 5%
45	1o	89	96% ..
45	2o	89	6% 88% 11%
46	1p	88	6% 85% 8% 7%
46	2p	88	2% 86% 7% 7%
47	1q	105	% 91% 6%
47	2q	105	46% 90% 6%
48	1r	88	% 74% 23%
48	2r	88	9% 74% 23%
49	1s	93	12% 81% 9% 11%
49	2s	93	24% 84% 5% 11%
50	1t	106	3% 83% 8% 9%
50	2t	106	3% 87% 9%
51	1u	27	85% 15%
51	2u	27	19% 85% 15%
52	1v	758	11% 81% 14%
52	2v	758	31% 82% 13%
53	1w	185	8% 83% 17%

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Mol	Chain	Length	Quality of chain
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
56	MG	1A	4060	-	-	-	X
56	MG	1A	4068	-	-	-	X

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
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
56	MG	1A	4762	-	-	-	X
56	MG	1A	4764	-	-	-	X

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
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
56	MG	1a	1684	-	-	-	X
56	MG	1a	1685	-	-	-	X

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
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
56	MG	23	103	-	-	-	X
56	MG	27	101	-	-	-	X

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
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
56	MG	2A	3193	-	-	-	X
56	MG	2A	3204	-	-	-	X

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
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
56	MG	2A	3512	-	-	-	X
56	MG	2A	3517	-	-	-	X

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
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
56	MG	2B	218	-	-	-	X
56	MG	2B	221	-	-	-	X

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
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
56	MG	2a	1714	-	-	-	X
56	MG	2a	1716	-	-	-	X

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
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
56	MG	2q	201	-	-	-	X
56	MG	2r	301	-	-	-	X

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
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 [i](#)

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
			Total	C	N	O	P			
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
			Total	C	N	O	P			
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
			Total	C	N	O	S			
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
			Total	C	N	O	S			
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
			Total	C	N	O	S			
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
			Total	C	N	O	S			
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
			Total	C	N	O	S			
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
			Total	C	N	O	S			
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
			Total	C	N	O	S			
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
			Total	C	N	O	S			
42	2l	122	932	586	185	159	2	0	0	0

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

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

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

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

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

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

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

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

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

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

- 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	0
			1581	707	285	515	73	1			
54	1y	74	Total	C	N	O	P	S	0	0	0
			1581	707	285	515	73	1			
54	2x	74	Total	C	N	O	P	S	0	0	0
			1581	707	285	515	73	1			
54	2y	74	Total	C	N	O	P	S	0	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	1A	1063	Total	Mg	0	0
			1063	1063		
56	1B	26	Total	Mg	0	0
			26	26		
56	1D	8	Total	Mg	0	0
			8	8		
56	1E	8	Total	Mg	0	0
			8	8		
56	1F	1	Total	Mg	0	0
			1	1		
56	1H	2	Total	Mg	0	0
			2	2		
56	1N	1	Total	Mg	0	0
			1	1		
56	1O	5	Total	Mg	0	0
			5	5		

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Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
56	1P	5	Total Mg 5 5	0	0
56	1Q	3	Total Mg 3 3	0	0
56	1R	3	Total Mg 3 3	0	0
56	1S	2	Total Mg 2 2	0	0
56	1T	5	Total Mg 5 5	0	0
56	1U	3	Total Mg 3 3	0	0
56	1V	1	Total Mg 1 1	0	0
56	1W	2	Total Mg 2 2	0	0
56	1Y	1	Total Mg 1 1	0	0
56	1Z	5	Total Mg 5 5	0	0
56	10	4	Total Mg 4 4	0	0
56	11	1	Total Mg 1 1	0	0
56	12	1	Total Mg 1 1	0	0
56	13	1	Total Mg 1 1	0	0
56	15	2	Total Mg 2 2	0	0
56	16	1	Total Mg 1 1	0	0
56	17	3	Total Mg 3 3	0	0
56	18	3	Total Mg 3 3	0	0
56	19	1	Total Mg 1 1	0	0
56	1a	319	Total Mg 319 319	0	0
56	1b	9	Total Mg 9 9	0	0

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Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
56	1d	4	Total Mg 4 4	0	0
56	1e	2	Total Mg 2 2	0	0
56	1g	2	Total Mg 2 2	0	0
56	1i	1	Total Mg 1 1	0	0
56	1l	1	Total Mg 1 1	0	0
56	1m	2	Total Mg 2 2	0	0
56	1n	2	Total Mg 2 2	0	0
56	1o	1	Total Mg 1 1	0	0
56	1p	1	Total Mg 1 1	0	0
56	1q	1	Total Mg 1 1	0	0
56	1s	3	Total Mg 3 3	0	0
56	1t	1	Total Mg 1 1	0	0
56	1u	1	Total Mg 1 1	0	0
56	1v	3	Total Mg 3 3	0	0
56	1x	2	Total Mg 2 2	0	0
56	1y	6	Total Mg 6 6	0	0
56	1z	1	Total Mg 1 1	0	0
56	2A	852	Total Mg 852 852	0	0
56	2B	32	Total Mg 32 32	0	0
56	2D	6	Total Mg 6 6	0	0
56	2E	5	Total Mg 5 5	0	0

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Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
56	2F	4	Total Mg 4 4	0	0
56	2N	2	Total Mg 2 2	0	0
56	2O	1	Total Mg 1 1	0	0
56	2P	3	Total Mg 3 3	0	0
56	2Q	6	Total Mg 6 6	0	0
56	2S	1	Total Mg 1 1	0	0
56	2T	2	Total Mg 2 2	0	0
56	2V	1	Total Mg 1 1	0	0
56	2X	1	Total Mg 1 1	0	0
56	2Y	2	Total Mg 2 2	0	0
56	2Z	4	Total Mg 4 4	0	0
56	20	6	Total Mg 6 6	0	0
56	21	1	Total Mg 1 1	0	0
56	23	3	Total Mg 3 3	0	0
56	24	1	Total Mg 1 1	0	0
56	25	1	Total Mg 1 1	0	0
56	26	2	Total Mg 2 2	0	0
56	27	3	Total Mg 3 3	0	0
56	28	6	Total Mg 6 6	0	0
56	29	2	Total Mg 2 2	0	0
56	2a	321	Total Mg 321 321	0	0

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
56	2b	3	Total 3	Mg 3	0	0
56	2c	1	Total 1	Mg 1	0	0
56	2d	3	Total 3	Mg 3	0	0
56	2e	2	Total 2	Mg 2	0	0
56	2f	4	Total 4	Mg 4	0	0
56	2g	6	Total 6	Mg 6	0	0
56	2h	5	Total 5	Mg 5	0	0
56	2i	4	Total 4	Mg 4	0	0
56	2k	2	Total 2	Mg 2	0	0
56	2l	6	Total 6	Mg 6	0	0
56	2m	3	Total 3	Mg 3	0	0
56	2o	1	Total 1	Mg 1	0	0
56	2p	3	Total 3	Mg 3	0	0
56	2q	4	Total 4	Mg 4	0	0
56	2r	2	Total 2	Mg 2	0	0
56	2s	3	Total 3	Mg 3	0	0
56	2t	1	Total 1	Mg 1	0	0
56	2u	3	Total 3	Mg 3	0	0
56	2v	3	Total 3	Mg 3	0	0
56	2w	2	Total 2	Mg 2	0	0
56	2x	8	Total 8	Mg 8	0	0

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
56	2y	10	Total 10	Mg 10	0	0
56	2z	3	Total 3	Mg 3	0	0

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

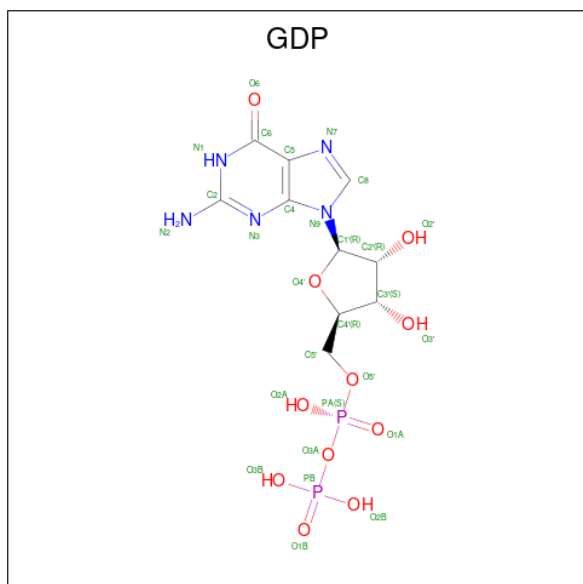
Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
57	1Y	1	Total 1	Zn 1	0	0
57	14	1	Total 1	Zn 1	0	0
57	15	1	Total 1	Zn 1	0	0
57	16	1	Total 1	Zn 1	0	0
57	19	1	Total 1	Zn 1	0	0
57	1n	1	Total 1	Zn 1	0	0
57	2Y	1	Total 1	Zn 1	0	0
57	24	1	Total 1	Zn 1	0	0
57	25	1	Total 1	Zn 1	0	0
57	26	1	Total 1	Zn 1	0	0
57	29	1	Total 1	Zn 1	0	0
57	2n	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: $C_{10}H_{15}N_5O_{11}P_2$).



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

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

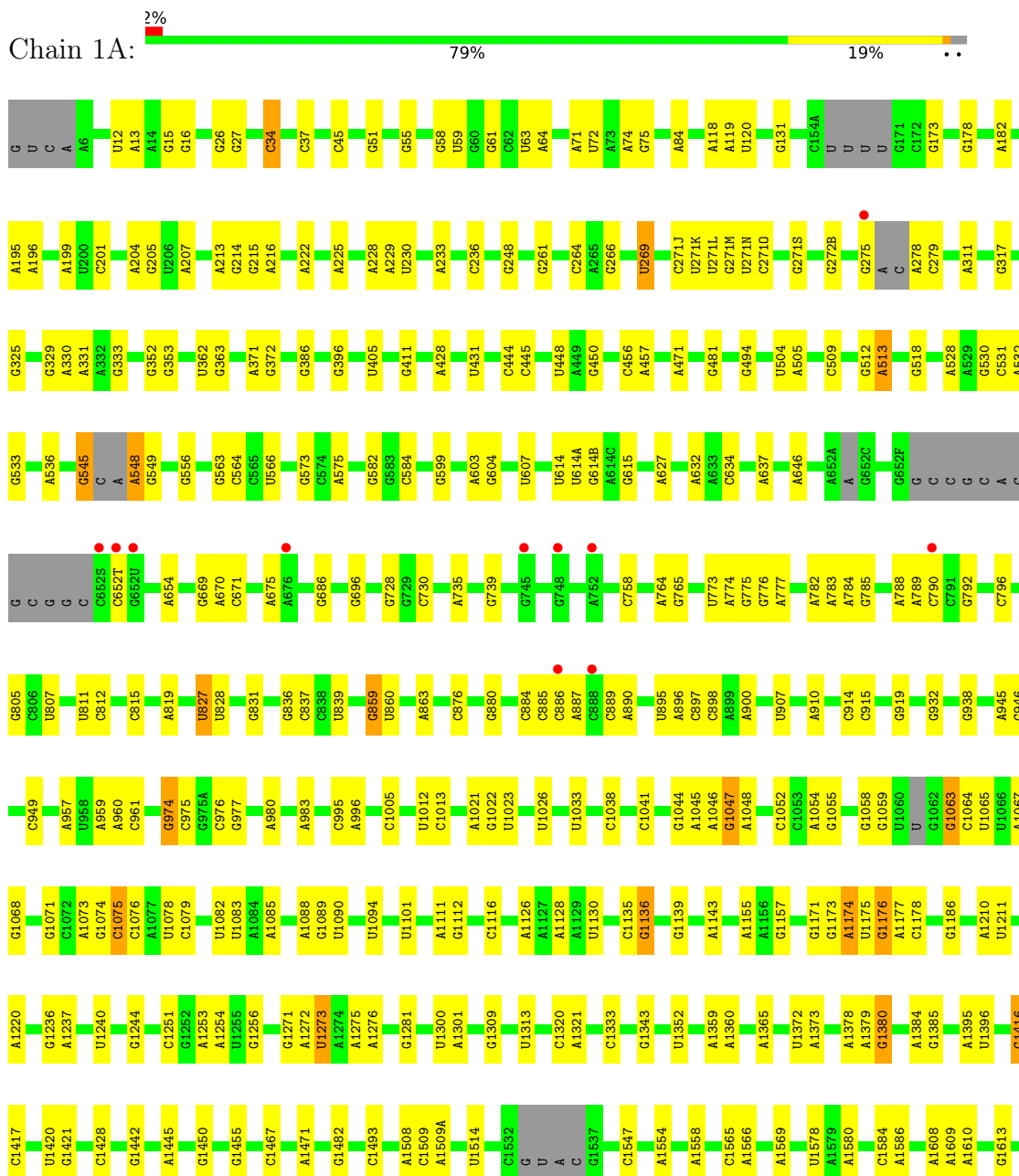
- Molecule 60 is POTASSIUM ION (three-letter code: K) (formula: K).

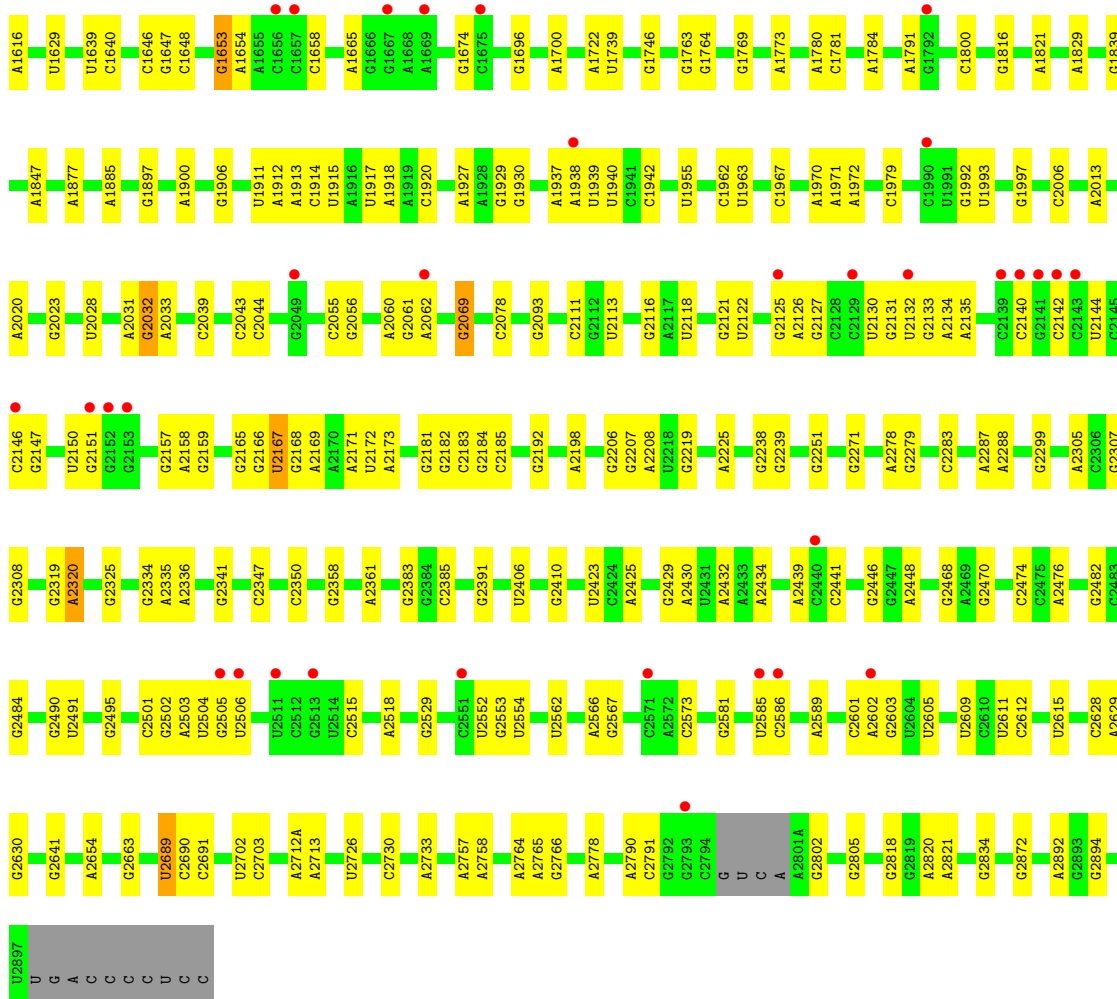
Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
60	2A	1	Total	K	0	0
			1	1		

3 Residue-property plots i

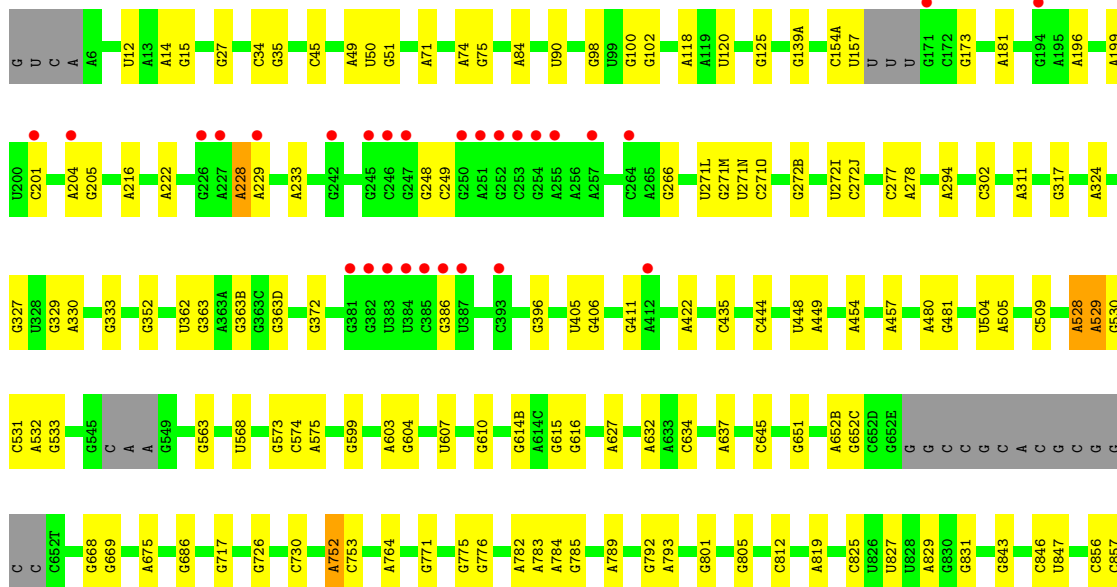
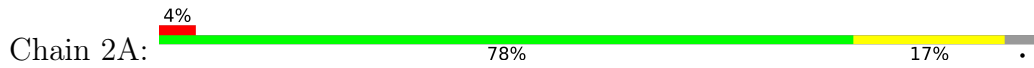
These plots are drawn for all protein, RNA, DNA and oligosaccharide chains in the entry. The first graphic for a chain summarises the proportions of the various outlier classes displayed in the second graphic. The second graphic shows the sequence view annotated by issues in geometry and electron density.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

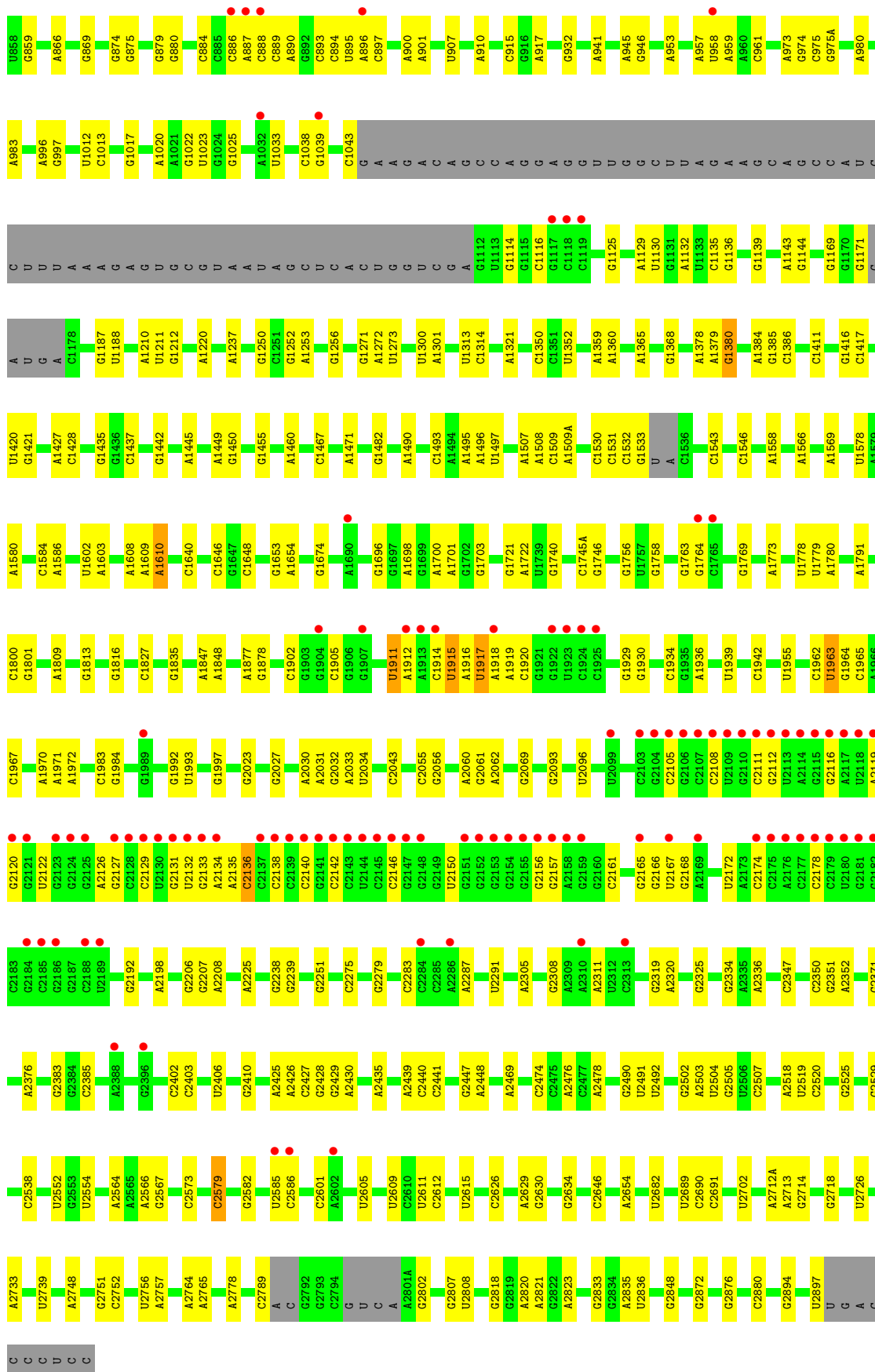
• Molecule 1: 23S Ribosomal RNA






● Molecule 1: 23S Ribosomal RNA






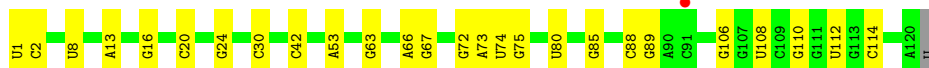
- Molecule 2: 5S Ribosomal RNA

Chain 1B:  86% 13%

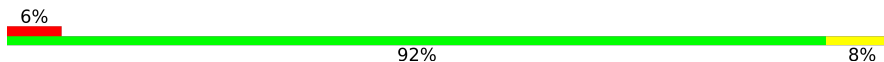


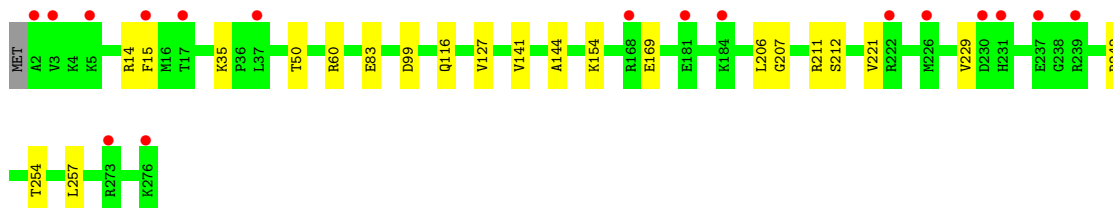
- Molecule 2: 5S Ribosomal RNA

Chain 2B:  78% 21%



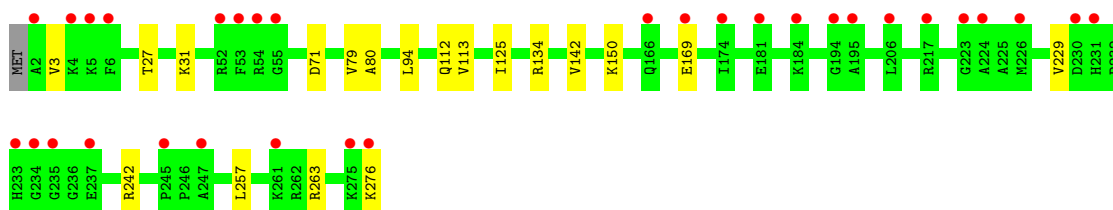
- Molecule 3: 50S ribosomal protein L2

Chain 1D:  92% 6% 8%

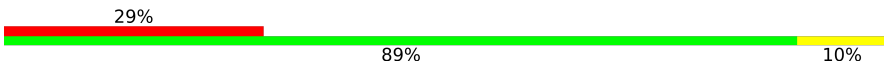


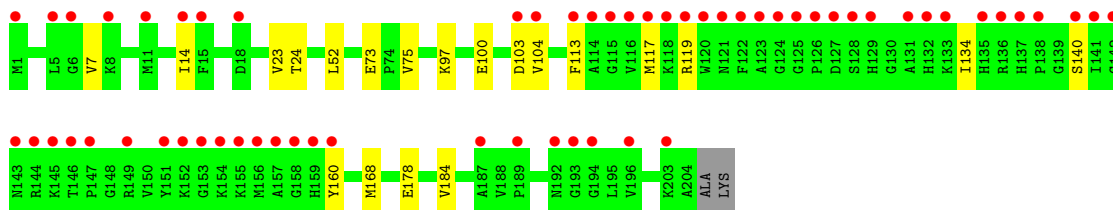
- Molecule 3: 50S ribosomal protein L2

Chain 2D:  93% 11% 7%



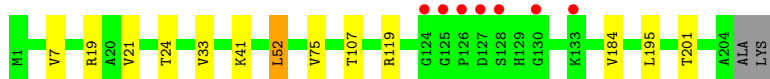
- Molecule 4: 50S ribosomal protein L3

Chain 1E:  89% 29% 10%

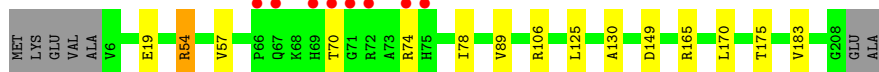


- Molecule 4: 50S ribosomal protein L3

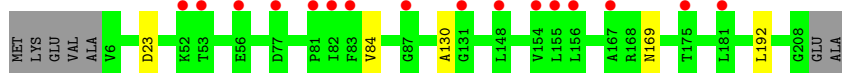
Chain 2E:  93% 3% 6%



• Molecule 5: 50S ribosomal protein L4



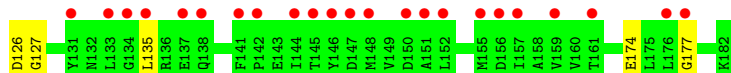
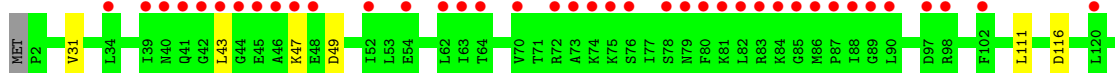
• Molecule 5: 50S ribosomal protein L4



• Molecule 6: 50S ribosomal protein L5



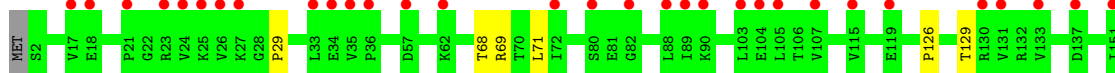
• Molecule 6: 50S ribosomal protein L5

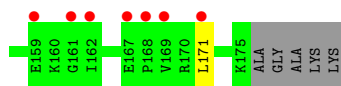


• Molecule 7: 50S ribosomal protein L6

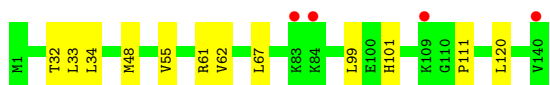


• Molecule 7: 50S ribosomal protein L6

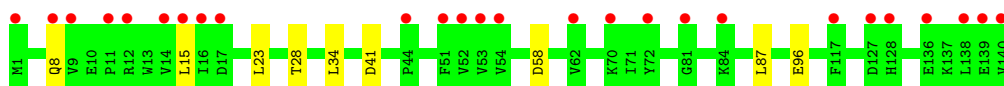




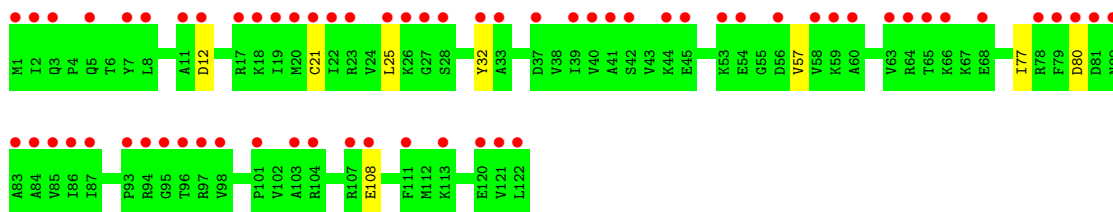
- Molecule 8: 50S ribosomal protein L13



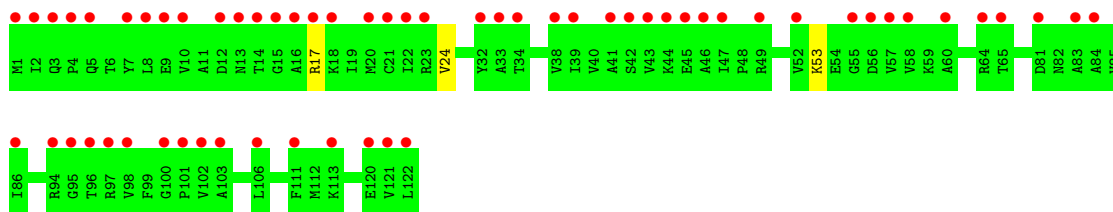
- Molecule 8: 50S ribosomal protein L13



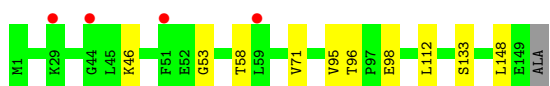
- Molecule 9: 50S ribosomal protein L14



- Molecule 9: 50S ribosomal protein L14

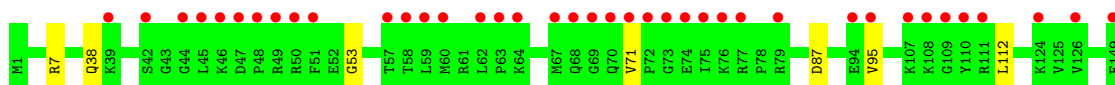


- Molecule 10: 50S ribosomal protein L15



- Molecule 10: 50S ribosomal protein L15

Chain 2P: 



ALA

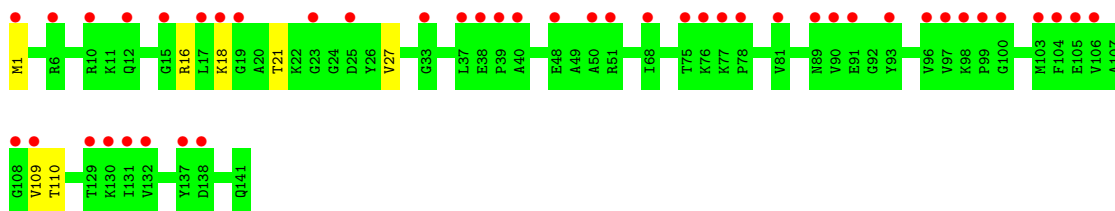
- Molecule 11: 50S ribosomal protein L16

Chain 1Q: 




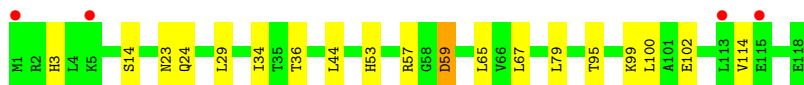
- Molecule 11: 50S ribosomal protein L16

Chain 2Q: 



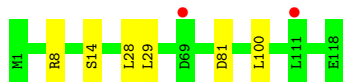
- Molecule 12: 50S ribosomal protein L17

Chain 1R: 




- Molecule 12: 50S ribosomal protein L17

Chain 2R: 

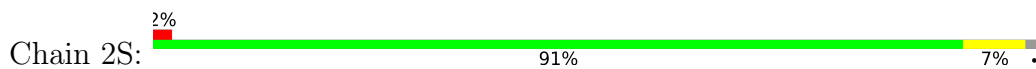


- Molecule 13: 50S ribosomal protein L18

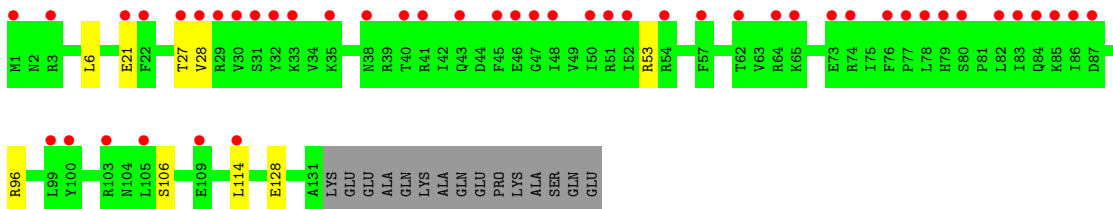
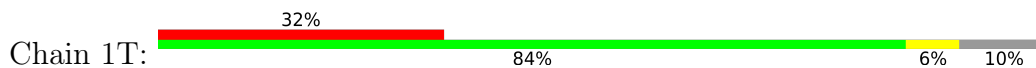
Chain 1S: 



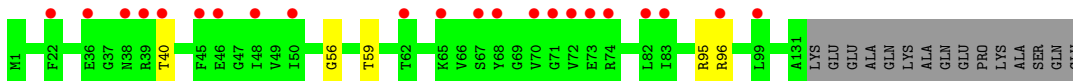
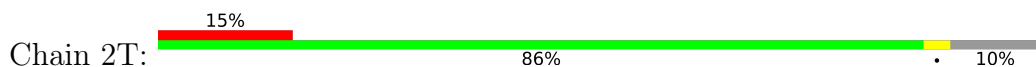
- Molecule 13: 50S ribosomal protein L18



- Molecule 14: 50S ribosomal protein L19



- Molecule 14: 50S ribosomal protein L19



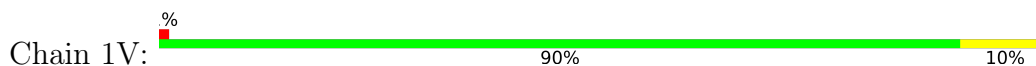
- Molecule 15: 50S ribosomal protein L20



- Molecule 15: 50S ribosomal protein L20

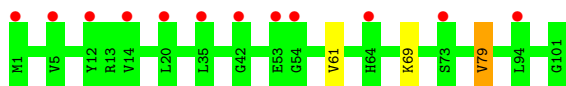


- Molecule 16: 50S ribosomal protein L21



- Molecule 16: 50S ribosomal protein L21





- Molecule 17: 50S ribosomal protein L22



- Molecule 17: 50S ribosomal protein L22



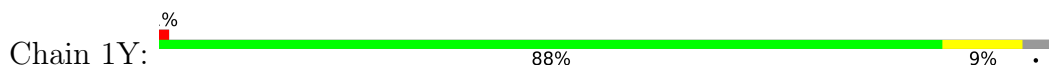
- Molecule 18: 50S ribosomal protein L23



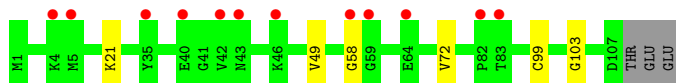
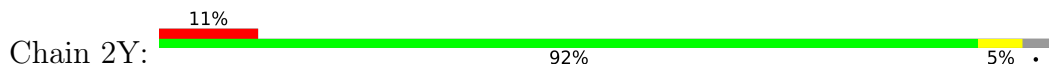
- Molecule 18: 50S ribosomal protein L23




- Molecule 19: 50S ribosomal protein L24



- Molecule 19: 50S ribosomal protein L24




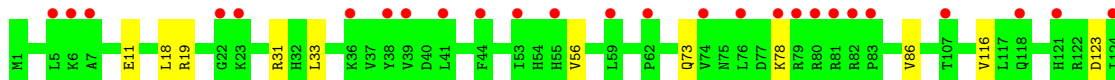
- Molecule 20: 50S ribosomal protein L25

Chain 1Z:  86% 13%




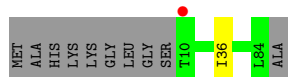
• Molecule 20: 50S ribosomal protein L25

Chain 2Z:  20% 86% 12%




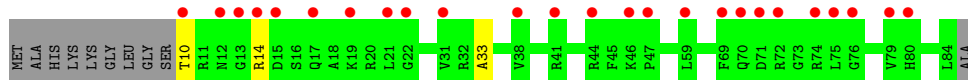
• Molecule 21: 50S ribosomal protein L27

Chain 10:  87% 12%

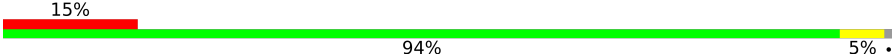


• Molecule 21: 50S ribosomal protein L27

Chain 20:  29% 85% 12%

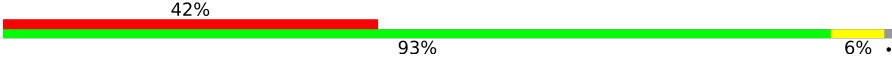


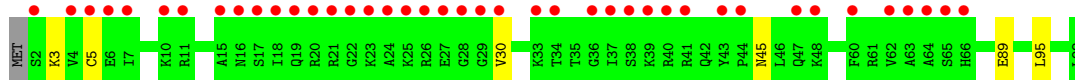
• Molecule 22: 50S ribosomal protein L28

Chain 11:  15% 94% 5%




• Molecule 22: 50S ribosomal protein L28

Chain 21:  42% 93% 6%

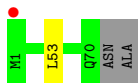


• Molecule 23: 50S ribosomal protein L29

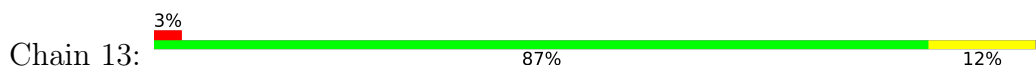
Chain 12:  89% 6%



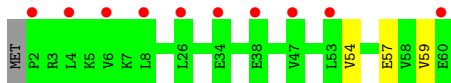
- Molecule 23: 50S ribosomal protein L29



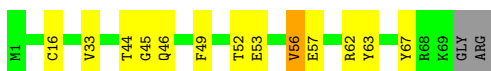
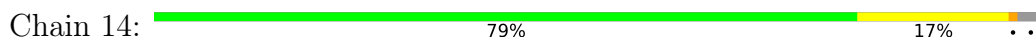
- Molecule 24: 50S ribosomal protein L30



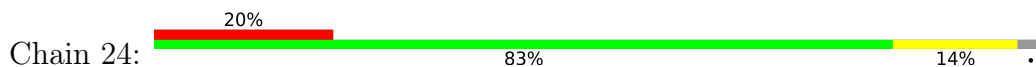
- Molecule 24: 50S ribosomal protein L30



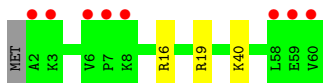
- Molecule 25: 50S ribosomal protein L31



- Molecule 25: 50S ribosomal protein L31



- Molecule 26: 50S ribosomal protein L32

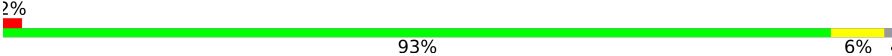


- Molecule 26: 50S ribosomal protein L32

Chain 25:  93% 5%

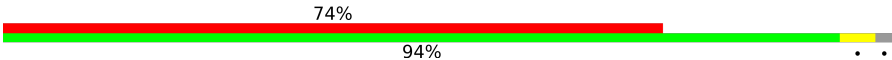


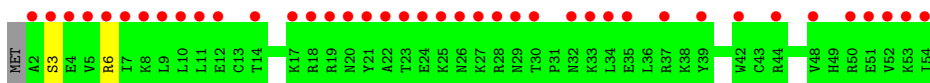
• Molecule 27: 50S ribosomal protein L33

Chain 16:  93% 6% 2%




• Molecule 27: 50S ribosomal protein L33

Chain 26:  94% 74%




• Molecule 28: 50S ribosomal protein L34

Chain 17:  90% 8% 4%

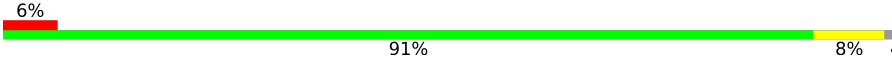


• Molecule 28: 50S ribosomal protein L34

Chain 27:  86% 12% 4%



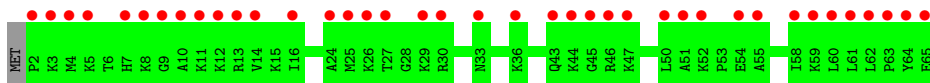
• Molecule 29: 50S ribosomal protein L35

Chain 18:  91% 8% 6%

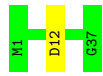


• Molecule 29: 50S ribosomal protein L35

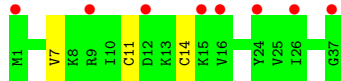
Chain 28:  98% 60%



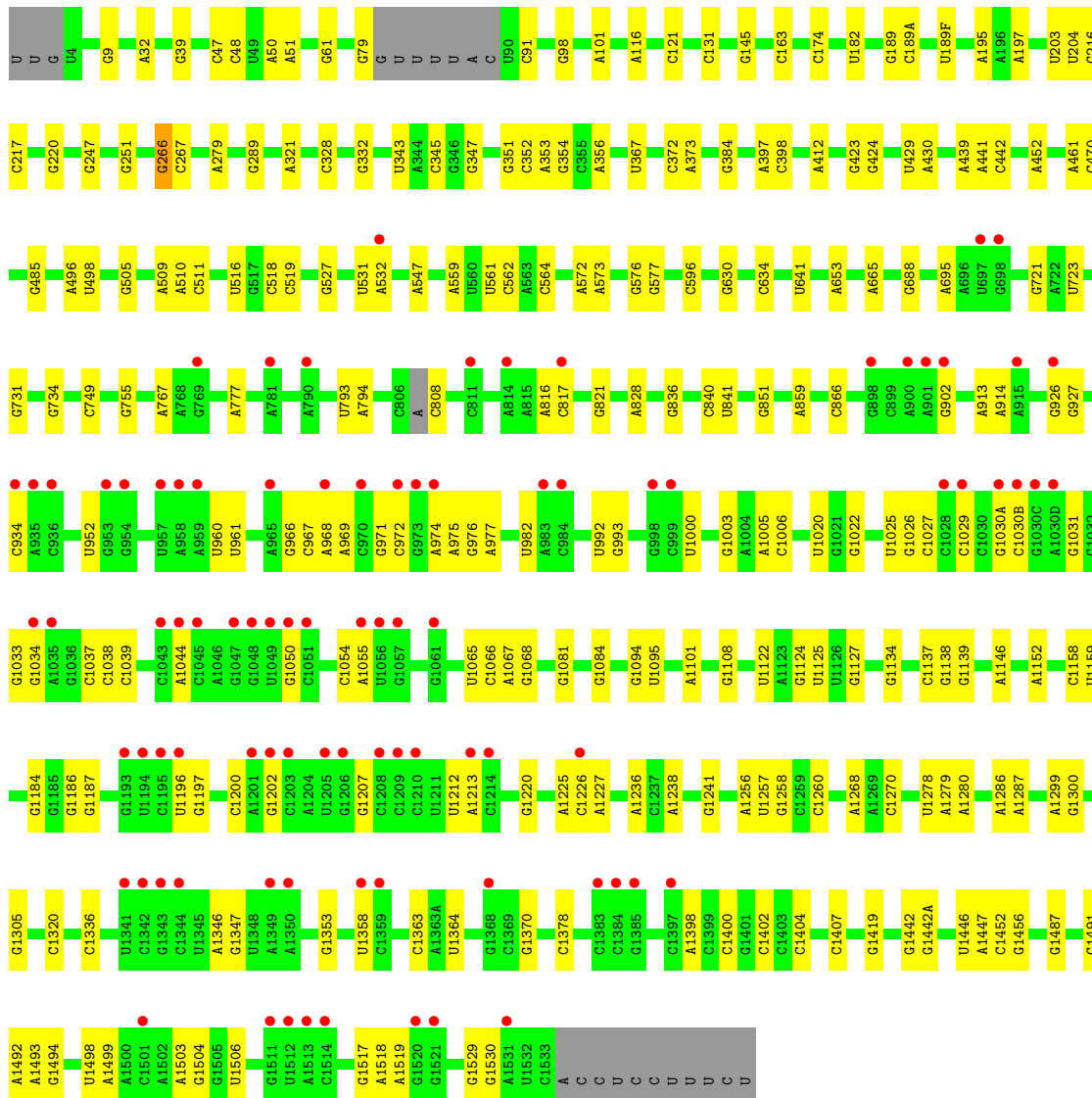
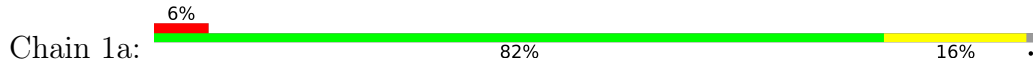
• Molecule 30: 50S ribosomal protein L36



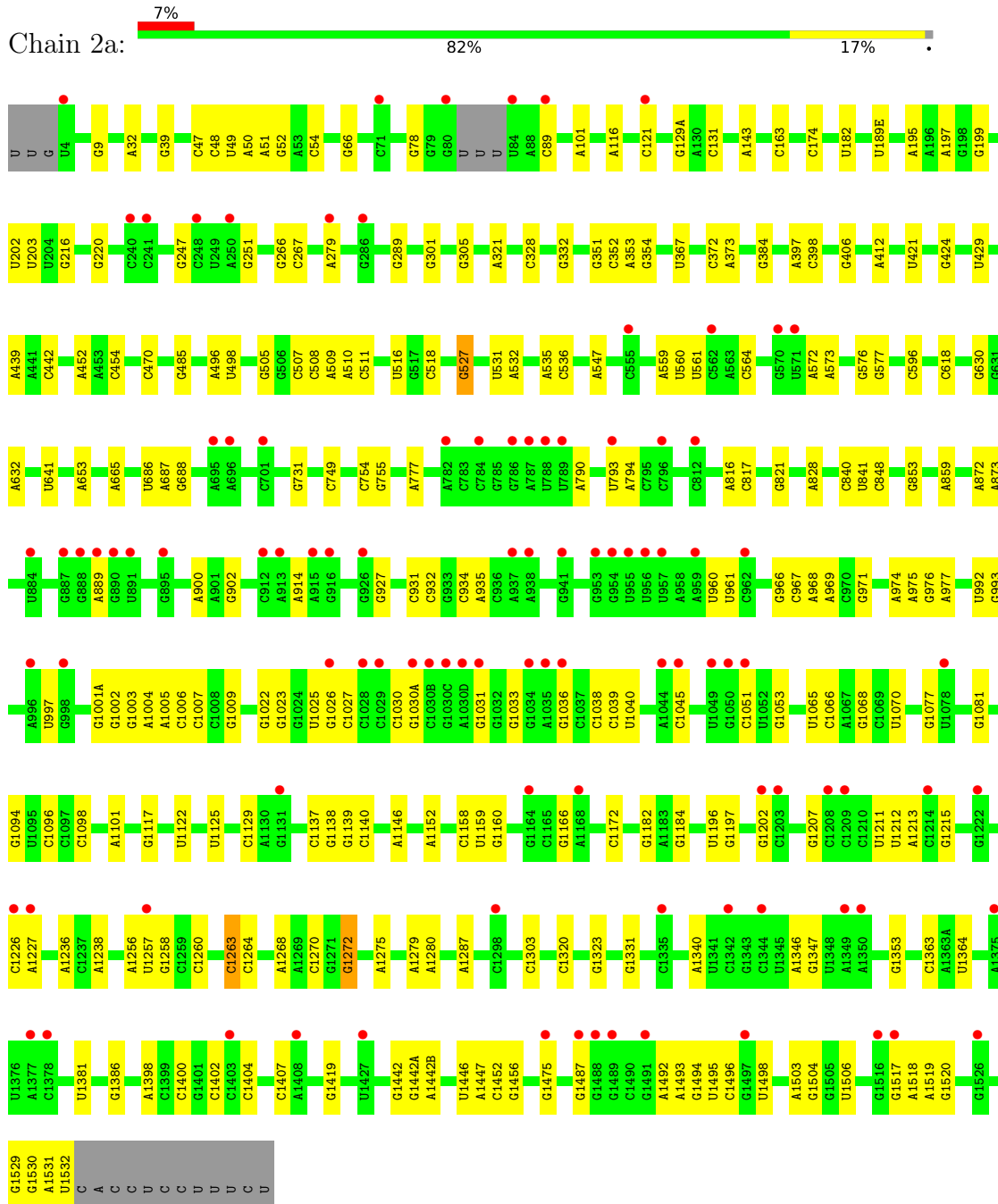
• Molecule 30: 50S ribosomal protein L36



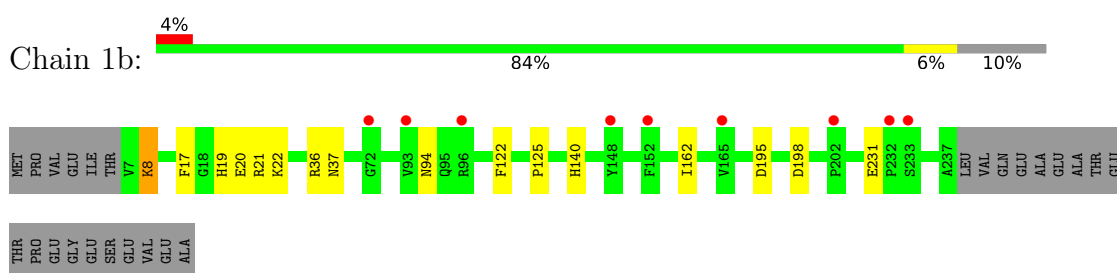
• Molecule 31: 16S Ribosomal RNA



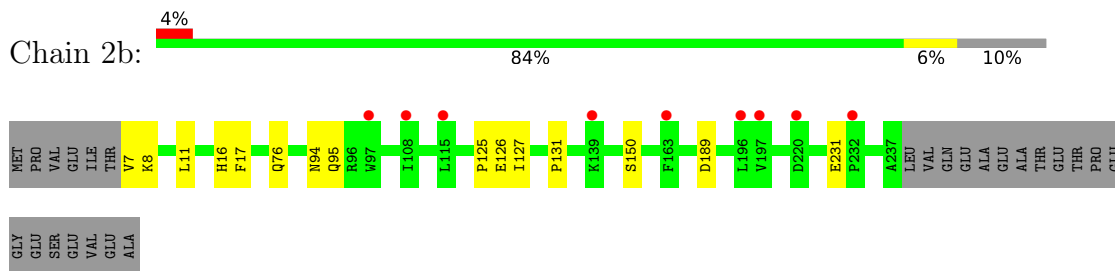
• Molecule 31: 16S Ribosomal RNA



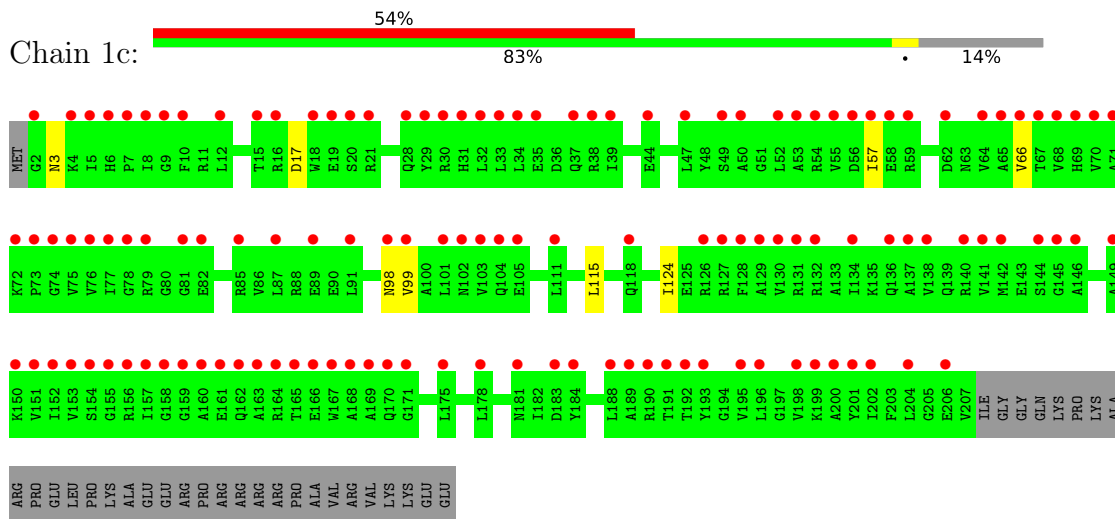
• Molecule 32: 30S ribosomal protein S2



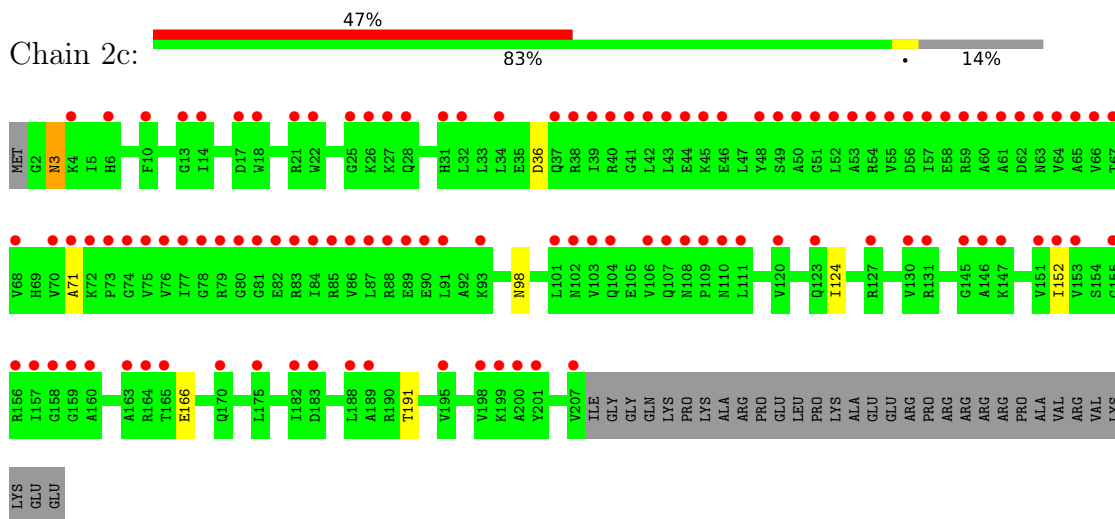
• Molecule 32: 30S ribosomal protein S2



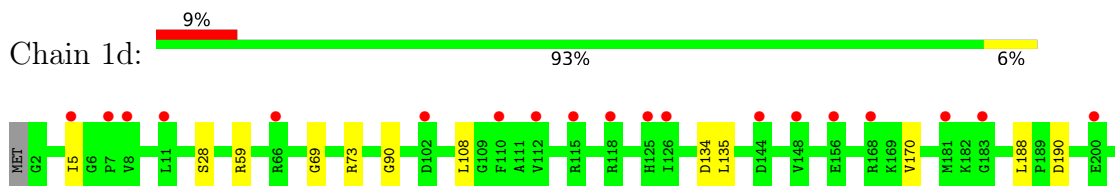
• Molecule 33: 30S ribosomal protein S3



• Molecule 33: 30S ribosomal protein S3

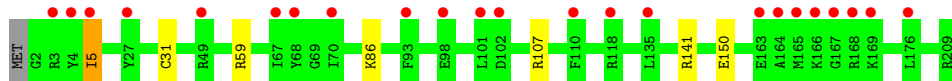


• Molecule 34: 30S ribosomal protein S4

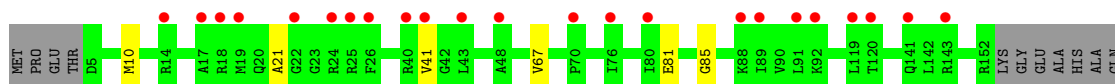
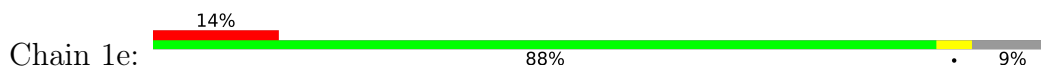




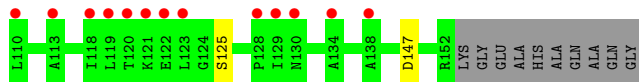
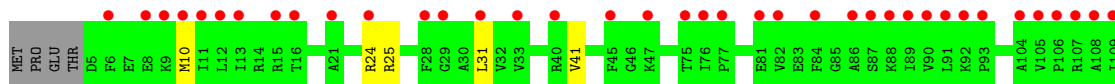
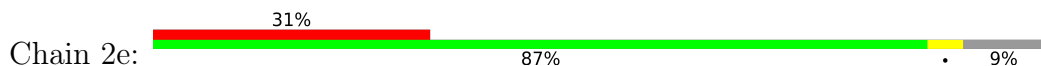
- Molecule 34: 30S ribosomal protein S4



- Molecule 35: 30S ribosomal protein S5



- Molecule 35: 30S ribosomal protein S5



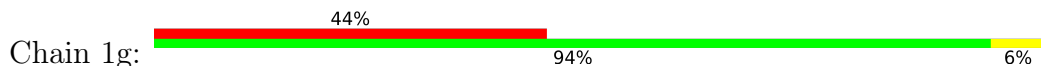
- Molecule 36: 30S ribosomal protein S6

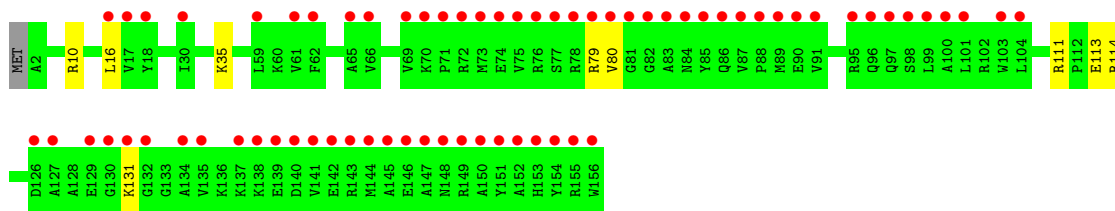


- Molecule 36: 30S ribosomal protein S6

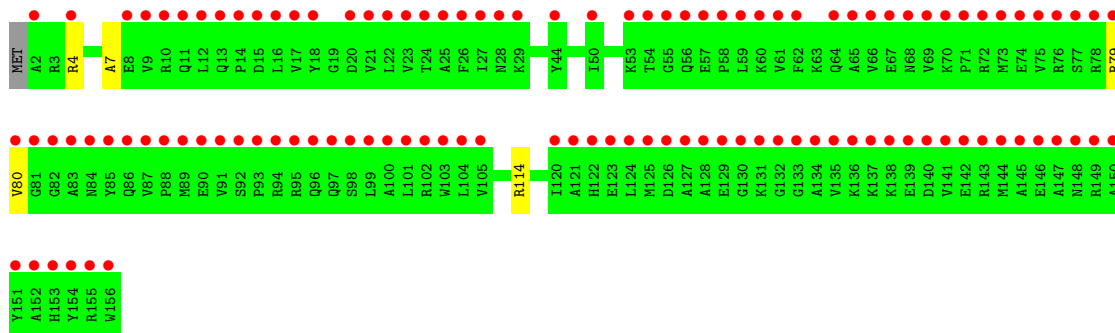
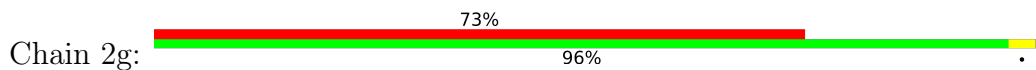


- Molecule 37: 30S ribosomal protein S7

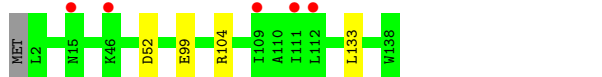




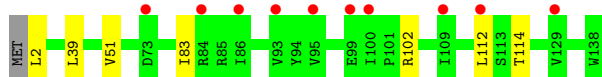
- Molecule 37: 30S ribosomal protein S7



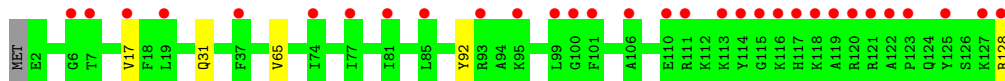
- Molecule 38: 30S ribosomal protein S8



- Molecule 38: 30S ribosomal protein S8



- Molecule 39: 30S ribosomal protein S9

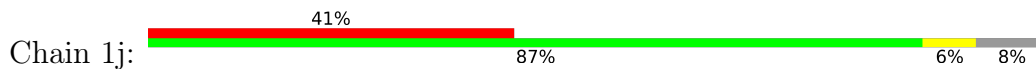


- Molecule 39: 30S ribosomal protein S9

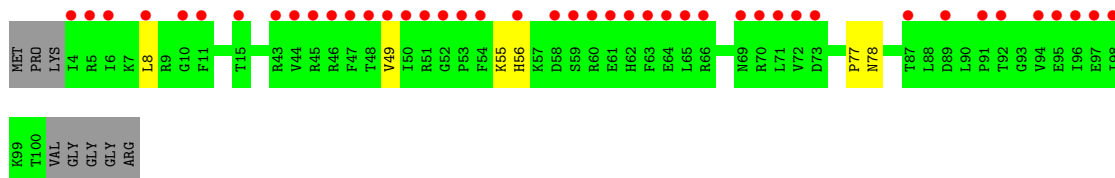




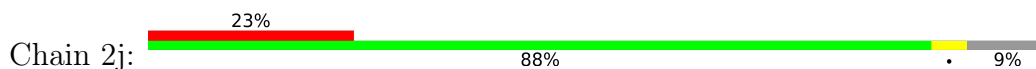
- Molecule 40: 30S ribosomal protein S10



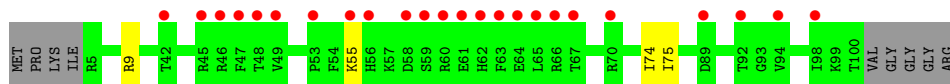
Chain 1j:



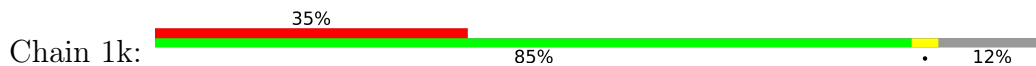
- Molecule 40: 30S ribosomal protein S10



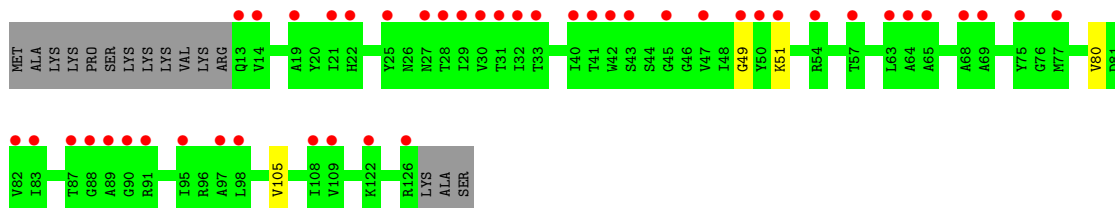
Chain 2j:



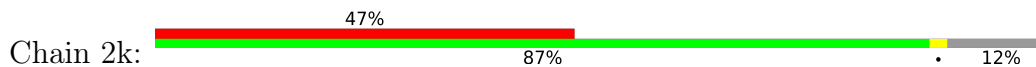
- Molecule 41: 30S ribosomal protein S11



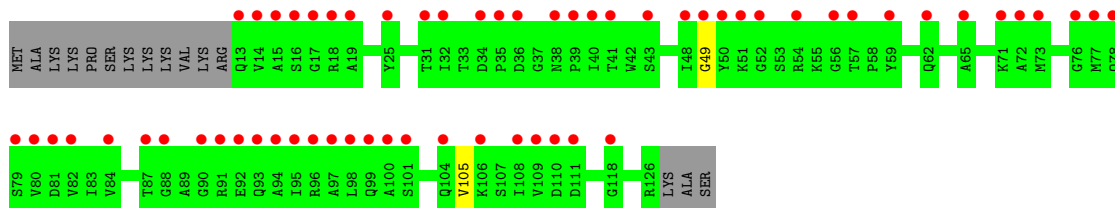
Chain 1k:



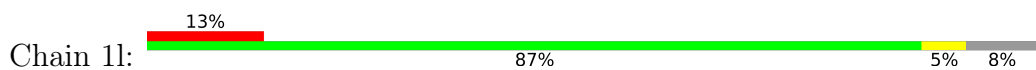
- Molecule 41: 30S ribosomal protein S11



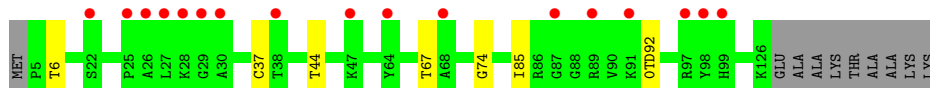
Chain 2k:



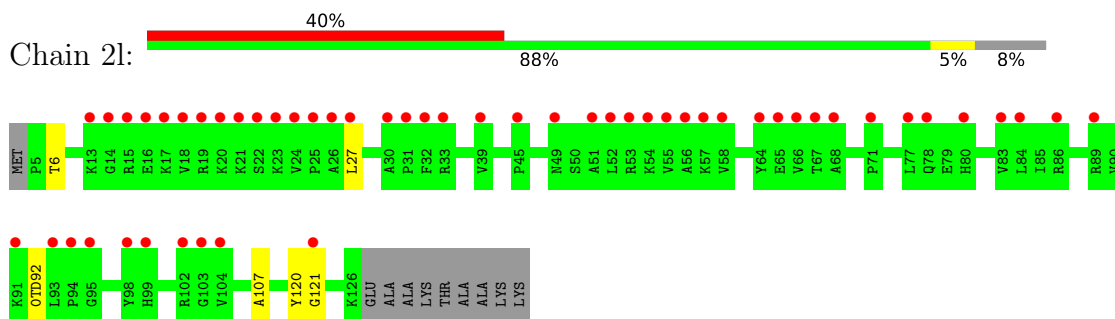
- Molecule 42: 30S ribosomal protein S12



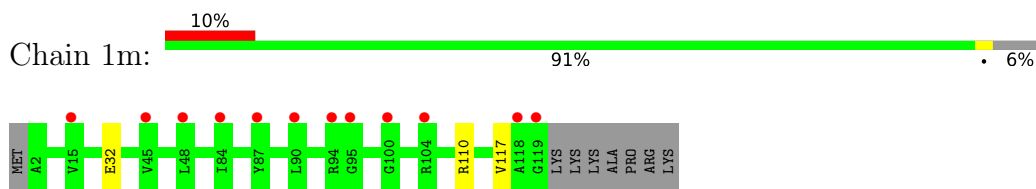
Chain 1l:



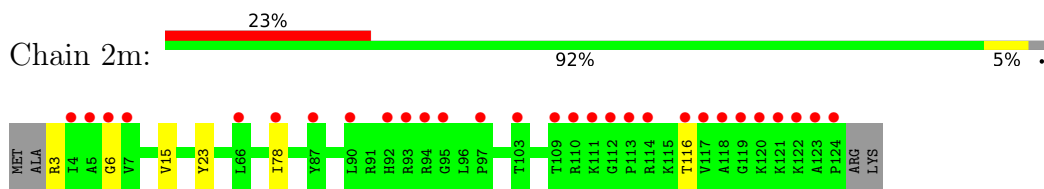
- Molecule 42: 30S ribosomal protein S12



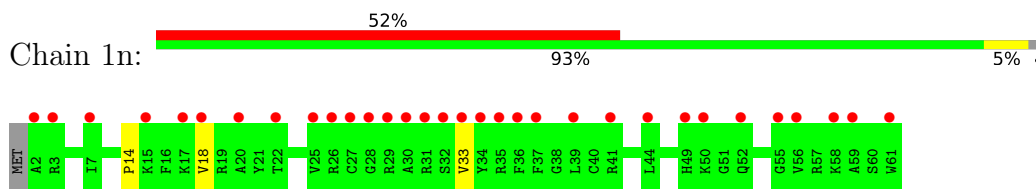
- Molecule 43: 30S ribosomal protein S13



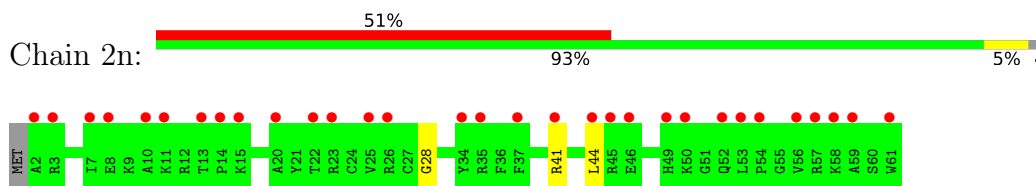
- Molecule 43: 30S ribosomal protein S13



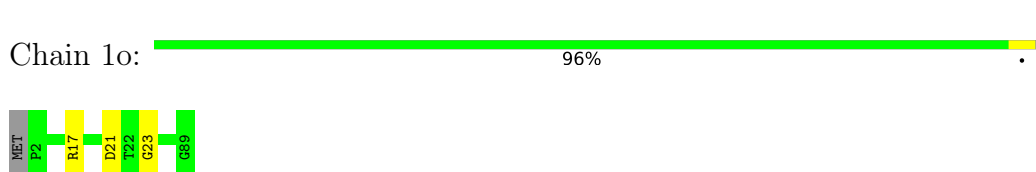
- Molecule 44: 30S ribosomal protein S14 type Z



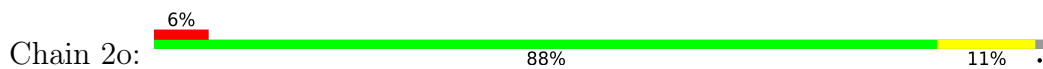
- Molecule 44: 30S ribosomal protein S14 type Z



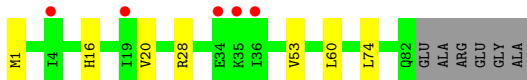
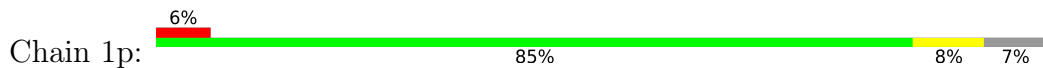
- Molecule 45: 30S ribosomal protein S15



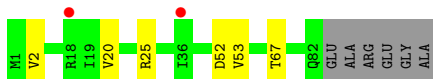
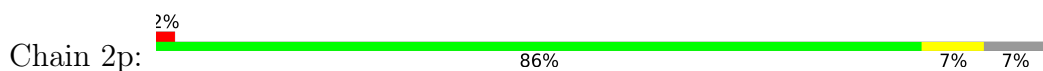
- Molecule 45: 30S ribosomal protein S15



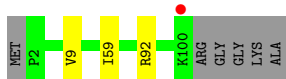
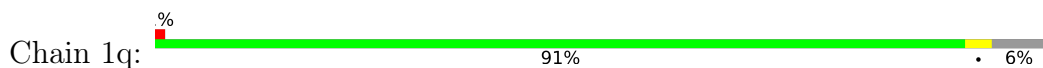
- Molecule 46: 30S ribosomal protein S16



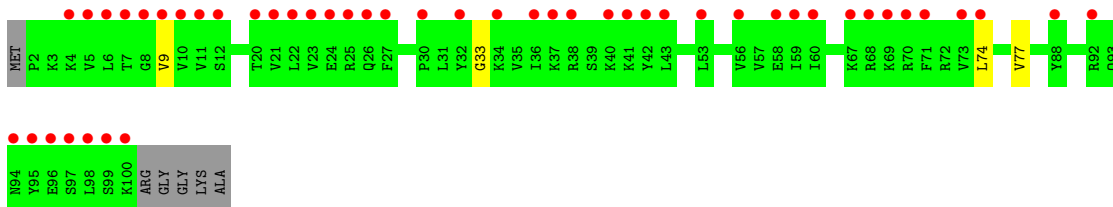
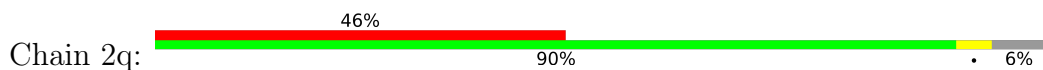
- Molecule 46: 30S ribosomal protein S16



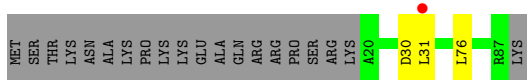
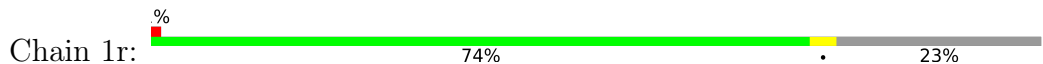
- Molecule 47: 30S ribosomal protein S17



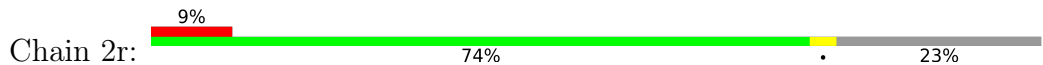
- Molecule 47: 30S ribosomal protein S17

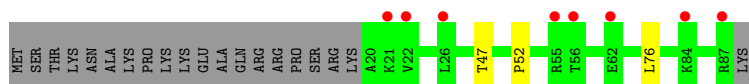


- Molecule 48: 30S ribosomal protein S18

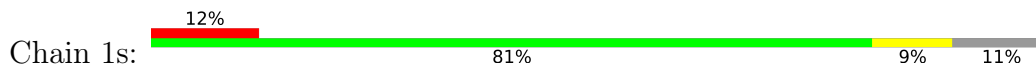


- Molecule 48: 30S ribosomal protein S18

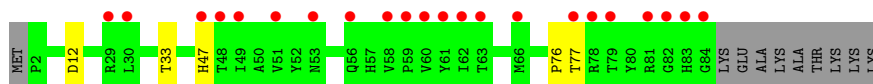
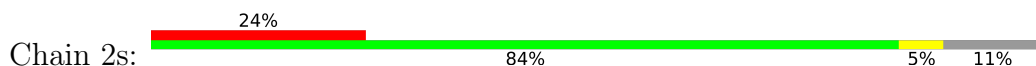




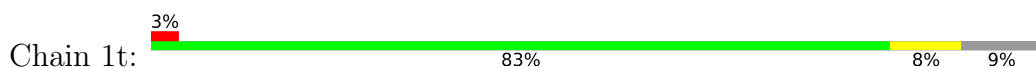
- Molecule 49: 30S ribosomal protein S19



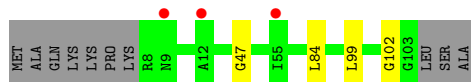
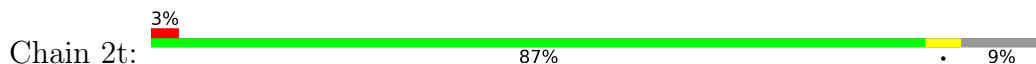
- Molecule 49: 30S ribosomal protein S19



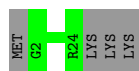
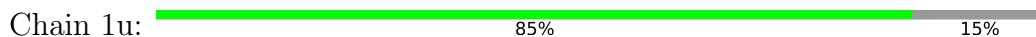
- Molecule 50: 30S ribosomal protein S20



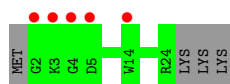
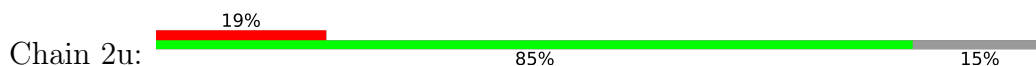
- Molecule 50: 30S ribosomal protein S20



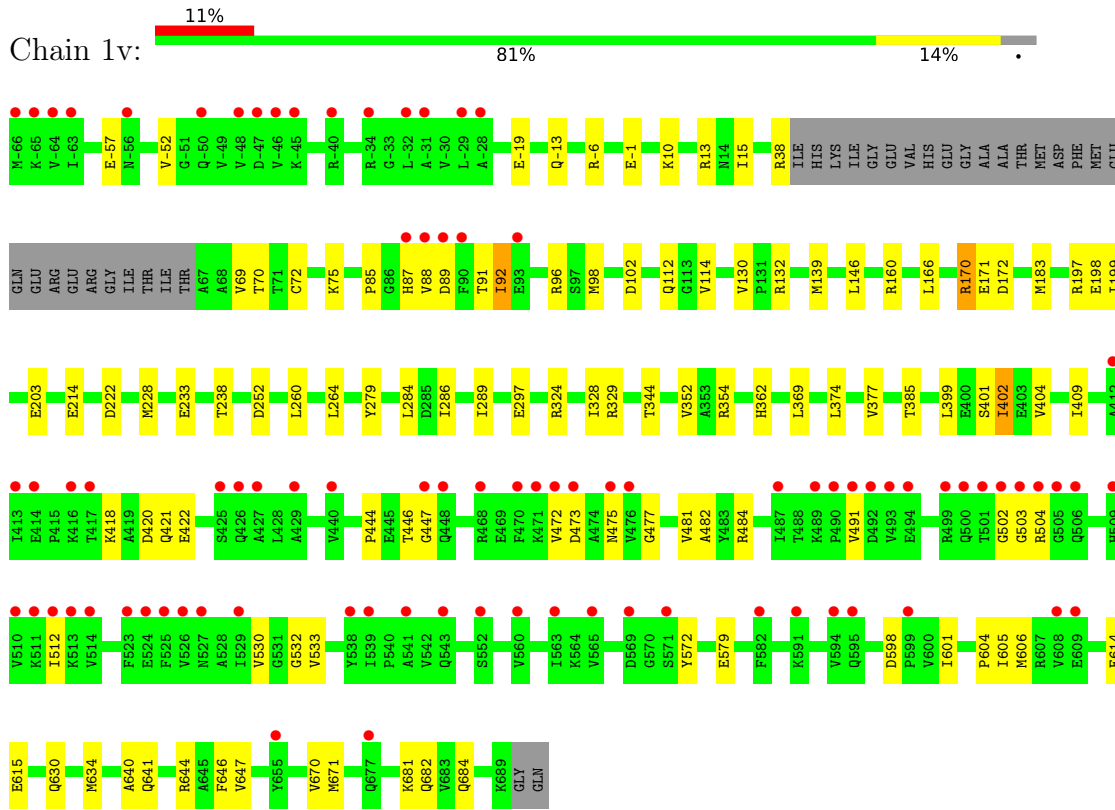
- Molecule 51: 30S ribosomal protein Thx



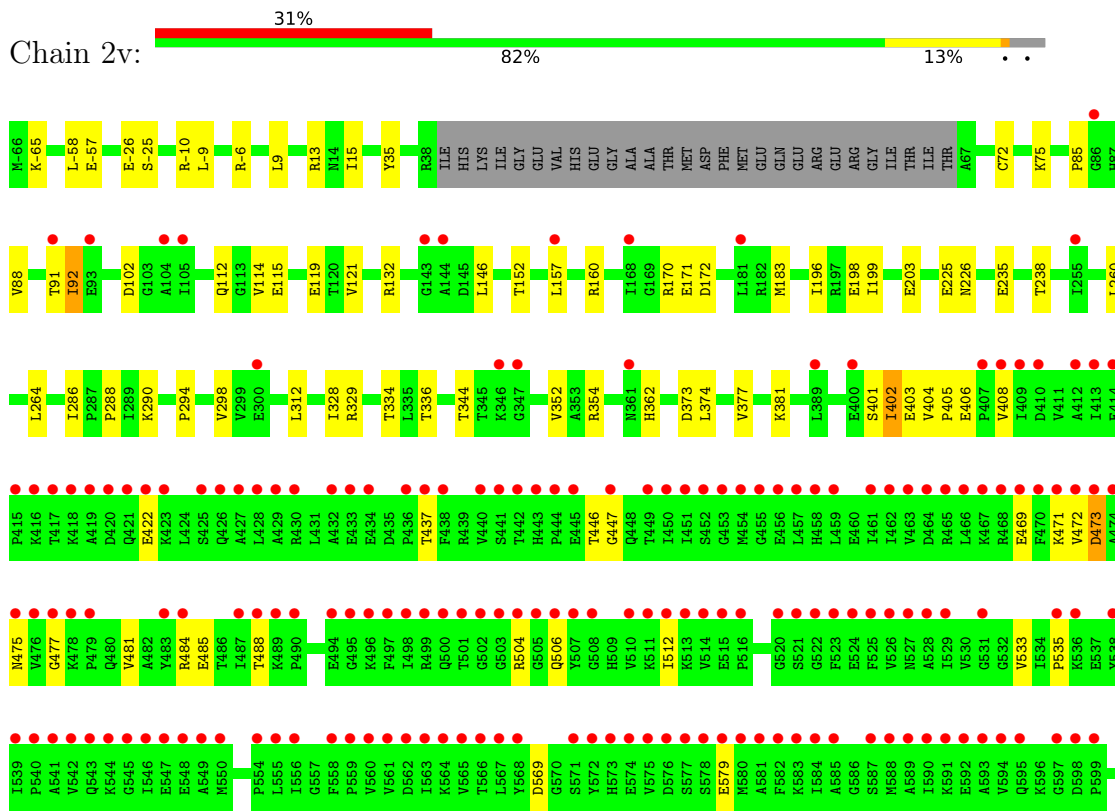
- Molecule 51: 30S ribosomal protein Thx

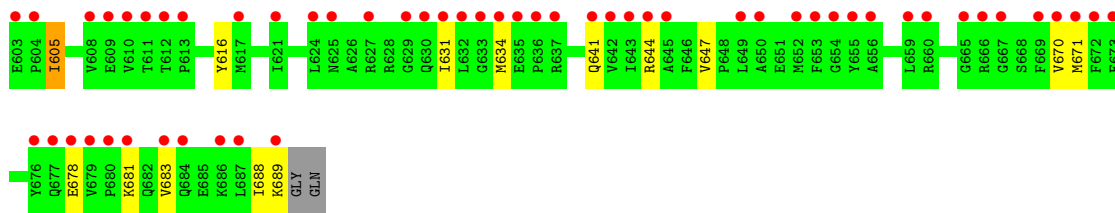


- Molecule 52: 50S ribosomal protein L9, Elongation factor G

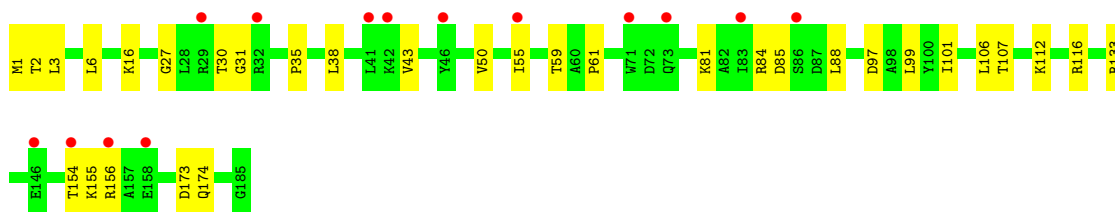
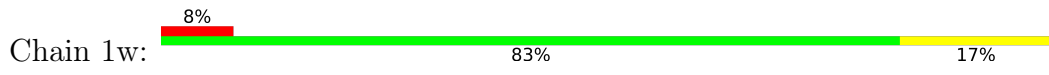


• Molecule 52: 50S ribosomal protein L9, Elongation factor G

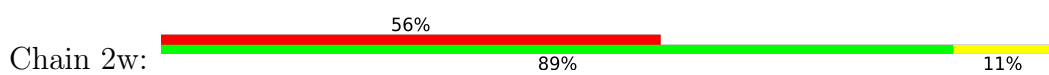




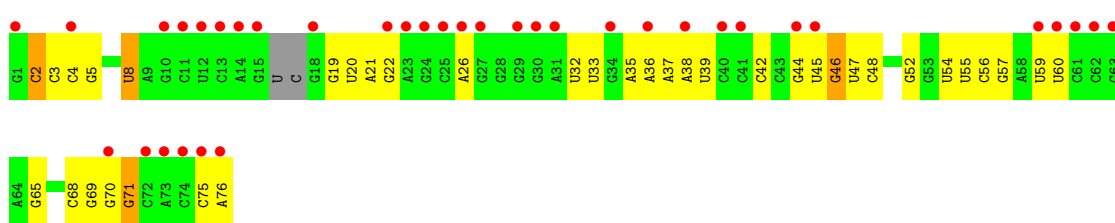
• Molecule 53: Ribosome-recycling factor



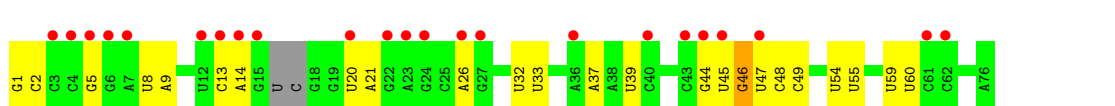
• Molecule 53: Ribosome-recycling factor



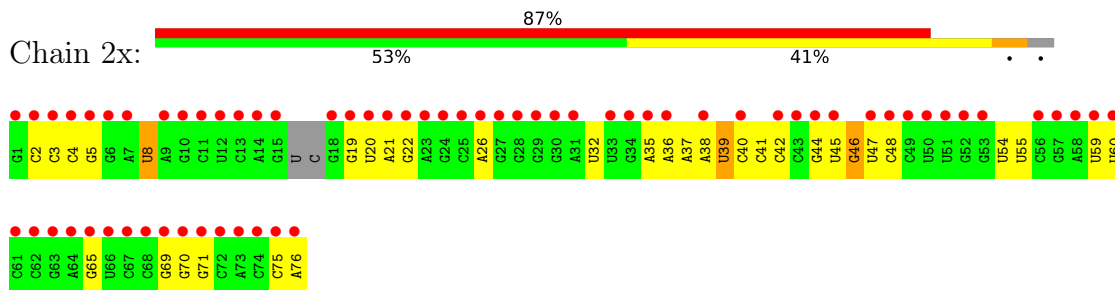
• Molecule 54: P-site and E-site tRNAs



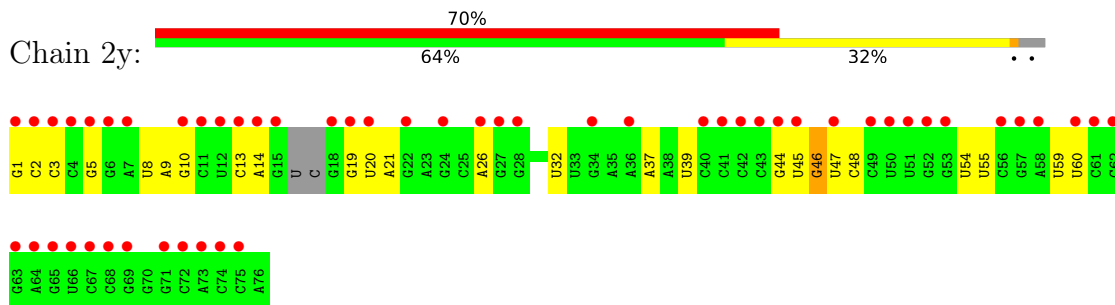
• Molecule 54: P-site and E-site tRNAs



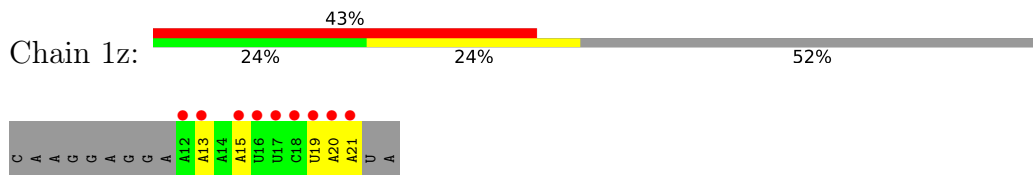
● Molecule 54: P-site and E-site tRNAs



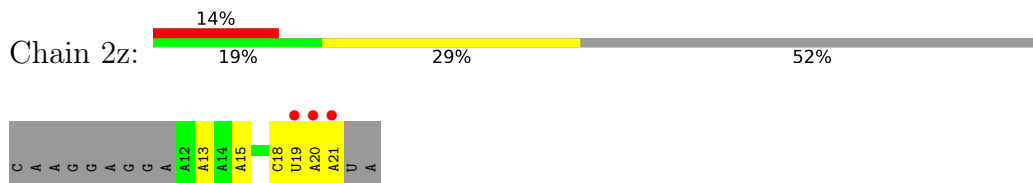
● Molecule 54: P-site and E-site tRNAs



● 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)	Xtrriage
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	Xtrriage
Anisotropy	0.257	Xtrriage
Bulk solvent k_{sol} (e/Å ³), B_{sol} (Å ²)	0.25 , 93.5	EDS
L-test for twinning ²	$\langle L \rangle = 0.36$, $\langle L^2 \rangle = 0.19$	Xtrriage
Estimated twinning fraction	No twinning to report.	Xtrriage
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

Xtrriage'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: ZN, 2MG, PSU, MIA, UR3, GDP, 0TD, M2G, 4SU, 5MU, 7MG, MG, 5MC, K, OMC, 2MA, 4OC, MA6, SF4, OMG, 2MU

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 [i](#)

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

5.3 Torsion angles [i](#)

5.3.1 Protein backbone [i](#)

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

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

Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
3	1D	273/276 (99%)	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

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
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
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

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
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
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

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
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
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

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
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 [i](#)

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

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

Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
3	1D	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

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
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
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

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
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
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

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
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
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
13	2S	110	LEU
39	2i	65	VAL
17	2W	28	SER
13	2S	85	VAL
25	24	63	TYR

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

Mol	Chain	Res	Type
6	2G	123	ASN
52	2v	208	GLN
17	2W	60	ASN
52	2v	77	HIS
53	2w	15	GLN

5.3.3 RNA [i](#)

Mol	Chain	Analysed	Backbone Outliers	Pucker Outliers
1	1A	2862/2915 (98%)	486 (16%)	28 (0%)
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	2A	228	A
1	2A	900	A
1	2A	266	G
1	2A	528	A
1	2A	1210	A

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

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
54	7MG	1y	46	54	22,26,27	1.28	4 (18%)	29,39,42	2.60	7 (24%)
1	5MC	1A	1962	1	18,22,23	0.94	2 (11%)	26,32,35	1.19	3 (11%)
31	PSU	1a	516	31,56	18,21,22	1.35	2 (11%)	22,30,33	1.79	5 (22%)
1	PSU	1A	1911	1	18,21,22	1.36	4 (22%)	22,30,33	1.74	4 (18%)
1	5MC	2A	1942	1	18,22,23	0.94	2 (11%)	26,32,35	1.17	3 (11%)
1	5MU	2A	1939	1	19,22,23	1.37	5 (26%)	28,32,35	2.19	6 (21%)
1	OMG	1A	2251	1,56	18,26,27	1.08	1 (5%)	19,38,41	1.18	3 (15%)
31	4OC	1a	1402	31	20,23,24	0.76	0	26,32,35	0.98	1 (3%)
54	4SU	1y	8	54	18,21,22	1.83	5 (27%)	26,30,33	2.21	5 (19%)
54	PSU	1y	55	54	18,21,22	1.31	2 (11%)	22,30,33	1.95	3 (13%)
54	MIA	2x	37	54	18,24,32	1.10	2 (11%)	18,35,47	1.31	2 (11%)
31	MA6	2a	1518	31,56	19,26,27	0.94	1 (5%)	18,38,41	1.80	6 (33%)
54	PSU	2x	39	54	18,21,22	1.29	2 (11%)	22,30,33	2.08	4 (18%)
1	5MC	1A	1942	1	18,22,23	0.93	2 (11%)	26,32,35	1.35	4 (15%)
54	5MU	2x	54	54	19,22,23	1.46	5 (26%)	28,32,35	1.94	5 (17%)
1	2MA	1A	2503	1,56	17,25,26	1.10	1 (5%)	17,37,40	1.21	3 (17%)
1	5MC	2A	1962	1	18,22,23	0.97	1 (5%)	26,32,35	1.11	3 (11%)
31	MA6	1a	1518	31	19,26,27	0.95	1 (5%)	18,38,41	1.62	4 (22%)
54	PSU	2y	32	54	18,21,22	1.33	2 (11%)	22,30,33	1.84	4 (18%)
1	2MA	2A	2503	1,56	17,25,26	1.02	1 (5%)	17,37,40	1.04	2 (11%)
54	PSU	2y	39	54	18,21,22	1.33	2 (11%)	22,30,33	1.81	3 (13%)
1	PSU	2A	1911	1,56	18,21,22	1.40	3 (16%)	22,30,33	2.02	3 (13%)
1	PSU	1A	1917	1	18,21,22	1.40	2 (11%)	22,30,33	1.92	4 (18%)
31	M2G	2a	966	31	20,27,28	1.48	3 (15%)	22,40,43	0.92	2 (9%)
1	5MU	1A	1915	1	19,22,23	1.41	5 (26%)	28,32,35	2.11	6 (21%)
1	2MU	2A	2552	1	19,22,24	1.25	4 (21%)	26,31,36	1.82	5 (19%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
54	MIA	1y	37	31,54	18,24,32	1.10	2 (11%)	18,35,47	1.26	2 (11%)
1	2MU	1A	2552	1,56	19,22,24	1.30	3 (15%)	26,31,36	1.95	3 (11%)
31	UR3	2a	1498	31	19,22,23	1.03	2 (10%)	26,32,35	1.46	1 (3%)
31	MA6	2a	1519	31	19,26,27	1.00	1 (5%)	18,38,41	1.70	5 (27%)
54	PSU	1x	55	54	18,21,22	1.33	2 (11%)	22,30,33	1.95	4 (18%)
54	MIA	1x	37	54	18,24,32	1.16	2 (11%)	18,35,47	1.34	2 (11%)
54	7MG	1x	46	54	22,26,27	1.28	3 (13%)	29,39,42	2.60	7 (24%)
42	0TD	1l	92	42	7,9,10	4.64	1 (14%)	6,11,13	4.72	2 (33%)
54	5MU	1x	54	54	19,22,23	1.37	5 (26%)	28,32,35	2.23	6 (21%)
31	5MC	1a	1400	31	18,22,23	0.98	2 (11%)	26,32,35	1.15	2 (7%)
31	5MC	1a	1404	31	18,22,23	0.98	2 (11%)	26,32,35	1.23	4 (15%)
54	PSU	2x	55	54	18,21,22	1.34	2 (11%)	22,30,33	1.91	4 (18%)
31	5MC	1a	1407	31	18,22,23	0.94	1 (5%)	26,32,35	1.00	1 (3%)
1	5MU	2A	1915	1,56	19,22,23	1.53	4 (21%)	28,32,35	2.07	7 (25%)
54	4SU	2y	8	54	18,21,22	1.74	4 (22%)	26,30,33	2.07	4 (15%)
54	PSU	1x	32	54,56	18,21,22	1.38	2 (11%)	22,30,33	1.85	3 (13%)
54	PSU	1x	39	54	18,21,22	1.42	3 (16%)	22,30,33	1.86	4 (18%)
31	PSU	2a	516	31,56	18,21,22	1.32	2 (11%)	22,30,33	1.82	3 (13%)
54	7MG	2x	46	54	22,26,27	1.29	4 (18%)	29,39,42	2.65	8 (27%)
54	PSU	2y	55	54	18,21,22	1.32	2 (11%)	22,30,33	1.91	3 (13%)
31	5MC	2a	1404	31	18,22,23	0.94	2 (11%)	26,32,35	1.12	3 (11%)
54	4SU	2x	8	54	18,21,22	1.65	4 (22%)	26,30,33	2.21	4 (15%)
42	0TD	2l	92	42	7,9,10	4.63	1 (14%)	6,11,13	1.98	2 (33%)
1	OMC	1A	1920	1	19,22,23	0.83	0	26,31,34	1.16	3 (11%)
31	7MG	1a	527	31,56	22,26,27	1.31	3 (13%)	29,39,42	2.51	8 (27%)
31	2MG	1a	1207	31	18,26,27	0.89	1 (5%)	16,38,41	1.17	2 (12%)
1	PSU	2A	2605	1,56	18,21,22	1.37	2 (11%)	22,30,33	2.14	4 (18%)
54	7MG	2y	46	54	22,26,27	1.32	4 (18%)	29,39,42	2.56	7 (24%)
54	MIA	2y	37	54	18,24,32	1.06	2 (11%)	18,35,47	1.33	2 (11%)
31	MA6	1a	1519	31	19,26,27	1.05	1 (5%)	18,38,41	1.59	4 (22%)
1	5MU	1A	1939	1	19,22,23	1.49	5 (26%)	28,32,35	2.11	7 (25%)
31	5MC	1a	967	31	18,22,23	0.97	1 (5%)	26,32,35	1.17	3 (11%)
31	7MG	2a	527	31	22,26,27	1.36	3 (13%)	29,39,42	2.48	7 (24%)
1	PSU	2A	1917	1,56	18,21,22	1.43	2 (11%)	22,30,33	1.74	4 (18%)
31	M2G	1a	966	31	20,27,28	1.51	3 (15%)	22,40,43	0.92	2 (9%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
1	OMG	2A	2251	1,56	18,26,27	0.98	1 (5%)	19,38,41	0.99	2 (10%)
31	2MG	2a	1207	31	18,26,27	0.88	1 (5%)	16,38,41	1.17	2 (12%)
31	4OC	2a	1402	31	20,23,24	0.79	0	26,32,35	1.03	1 (3%)
31	5MC	2a	1407	31,56	18,22,23	0.96	1 (5%)	26,32,35	1.05	2 (7%)
54	PSU	1y	32	54	18,21,22	1.35	2 (11%)	22,30,33	1.72	3 (13%)
54	PSU	2x	32	54,56	18,21,22	1.35	2 (11%)	22,30,33	1.93	4 (18%)
54	PSU	1y	39	54	18,21,22	1.33	2 (11%)	22,30,33	1.97	4 (18%)
54	5MU	1y	54	54	19,22,23	1.46	5 (26%)	28,32,35	2.10	7 (25%)
54	5MU	2y	54	54	19,22,23	1.44	5 (26%)	28,32,35	2.09	6 (21%)
31	UR3	1a	1498	31,56	19,22,23	1.04	2 (10%)	26,32,35	1.45	3 (11%)
31	5MC	2a	967	31	18,22,23	0.95	2 (11%)	26,32,35	1.15	3 (11%)
31	5MC	2a	1400	31	18,22,23	0.98	1 (5%)	26,32,35	1.11	3 (11%)
1	PSU	1A	2605	1	18,21,22	1.42	2 (11%)	22,30,33	1.96	4 (18%)
1	OMC	2A	1920	1	19,22,23	0.80	0	26,31,34	0.81	0
54	4SU	1x	8	54,56	18,21,22	1.61	4 (22%)	26,30,33	2.39	8 (30%)

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
54	7MG	1y	46	54	-	5/7/37/38	0/3/3/3
1	5MC	1A	1962	1	-	0/7/25/26	0/2/2/2
31	PSU	1a	516	31,56	-	0/7/25/26	0/2/2/2
1	PSU	1A	1911	1	-	0/7/25/26	0/2/2/2
1	5MC	2A	1942	1	-	0/7/25/26	0/2/2/2
1	5MU	2A	1939	1	-	0/7/25/26	0/2/2/2
1	OMG	1A	2251	1,56	-	0/5/27/28	0/3/3/3
31	4OC	1a	1402	31	-	2/9/29/30	0/2/2/2
54	4SU	1y	8	54	-	0/7/25/26	0/2/2/2
54	PSU	1y	55	54	-	0/7/25/26	0/2/2/2
54	MIA	2x	37	54	-	3/3/25/34	0/3/3/3
31	MA6	2a	1518	31,56	-	1/7/29/30	0/3/3/3
54	PSU	2x	39	54	-	2/7/25/26	0/2/2/2
1	5MC	1A	1942	1	-	0/7/25/26	0/2/2/2
54	5MU	2x	54	54	-	1/7/25/26	0/2/2/2
1	2MA	1A	2503	1,56	-	2/3/25/26	0/3/3/3

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
1	5MC	2A	1962	1	-	0/7/25/26	0/2/2/2
31	MA6	1a	1518	31	-	3/7/29/30	0/3/3/3
54	PSU	2y	32	54	-	0/7/25/26	0/2/2/2
1	2MA	2A	2503	1,56	-	2/3/25/26	0/3/3/3
54	PSU	2y	39	54	-	0/7/25/26	0/2/2/2
1	PSU	2A	1911	1,56	-	1/7/25/26	0/2/2/2
1	PSU	1A	1917	1	-	0/7/25/26	0/2/2/2
31	M2G	2a	966	31	-	0/7/29/30	0/3/3/3
1	5MU	1A	1915	1	-	2/7/25/26	0/2/2/2
1	2MU	2A	2552	1	-	0/9/27/28	0/2/2/2
54	MIA	1y	37	31,54	-	3/3/25/34	0/3/3/3
1	2MU	1A	2552	1,56	-	0/9/27/28	0/2/2/2
31	UR3	2a	1498	31	-	0/7/25/26	0/2/2/2
31	MA6	2a	1519	31	-	4/7/29/30	0/3/3/3
54	PSU	1x	55	54	-	1/7/25/26	0/2/2/2
54	MIA	1x	37	54	-	2/3/25/34	0/3/3/3
54	7MG	1x	46	54	-	1/7/37/38	0/3/3/3
42	0TD	1l	92	42	-	3/7/12/14	-
54	5MU	1x	54	54	-	2/7/25/26	0/2/2/2
31	5MC	1a	1400	31	-	0/7/25/26	0/2/2/2
31	5MC	1a	1404	31	-	0/7/25/26	0/2/2/2
54	PSU	2x	55	54	-	2/7/25/26	0/2/2/2
31	5MC	1a	1407	31	-	0/7/25/26	0/2/2/2
1	5MU	2A	1915	1,56	-	0/7/25/26	0/2/2/2
54	4SU	2y	8	54	-	0/7/25/26	0/2/2/2
54	PSU	1x	32	54,56	-	2/7/25/26	0/2/2/2
54	PSU	1x	39	54	-	2/7/25/26	0/2/2/2
31	PSU	2a	516	31,56	-	0/7/25/26	0/2/2/2
54	7MG	2x	46	54	-	1/7/37/38	0/3/3/3
54	PSU	2y	55	54	-	0/7/25/26	0/2/2/2
31	5MC	2a	1404	31	-	0/7/25/26	0/2/2/2
54	4SU	2x	8	54	-	2/7/25/26	0/2/2/2
42	0TD	2l	92	42	-	2/7/12/14	-
1	OMC	1A	1920	1	-	1/9/27/28	0/2/2/2
31	7MG	1a	527	31,56	-	2/7/37/38	0/3/3/3
31	2MG	1a	1207	31	-	0/5/27/28	0/3/3/3
1	PSU	2A	2605	1,56	-	0/7/25/26	0/2/2/2
54	7MG	2y	46	54	-	4/7/37/38	0/3/3/3

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
54	MIA	2y	37	54	-	3/3/25/34	0/3/3/3
31	MA6	1a	1519	31	-	3/7/29/30	0/3/3/3
1	5MU	1A	1939	1	-	1/7/25/26	0/2/2/2
31	5MC	1a	967	31	-	0/7/25/26	0/2/2/2
31	7MG	2a	527	31	-	2/7/37/38	0/3/3/3
1	PSU	2A	1917	1,56	-	5/7/25/26	0/2/2/2
31	M2G	1a	966	31	-	0/7/29/30	0/3/3/3
1	OMG	2A	2251	1,56	-	0/5/27/28	0/3/3/3
31	2MG	2a	1207	31	-	1/5/27/28	0/3/3/3
31	4OC	2a	1402	31	-	2/9/29/30	0/2/2/2
31	5MC	2a	1407	31,56	-	0/7/25/26	0/2/2/2
54	PSU	1y	32	54	-	0/7/25/26	0/2/2/2
54	PSU	2x	32	54,56	-	0/7/25/26	0/2/2/2
54	PSU	1y	39	54	-	0/7/25/26	0/2/2/2
54	5MU	1y	54	54	-	0/7/25/26	0/2/2/2
54	5MU	2y	54	54	-	0/7/25/26	0/2/2/2
31	UR3	1a	1498	31,56	-	0/7/25/26	0/2/2/2
31	5MC	2a	967	31	-	1/7/25/26	0/2/2/2
31	5MC	2a	1400	31	-	4/7/25/26	0/2/2/2
1	PSU	1A	2605	1	-	0/7/25/26	0/2/2/2
1	OMC	2A	1920	1	-	0/9/27/28	0/2/2/2
54	4SU	1x	8	54,56	-	4/7/25/26	0/2/2/2

The worst 5 of 177 bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
42	1l	92	0TD	CB-SB	-11.95	1.70	1.82
42	2l	92	0TD	CB-SB	-11.94	1.70	1.82
31	1a	966	M2G	C2-N3	4.83	1.36	1.30
31	2a	966	M2G	C2-N3	4.74	1.36	1.30
54	1y	8	4SU	C4-S4	-4.64	1.59	1.68

The worst 5 of 289 bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
42	1l	92	0TD	CSB-SB-CB	-11.03	82.48	102.44
54	1y	46	7MG	N9-C4-N3	9.13	139.12	125.47
54	2y	46	7MG	N9-C4-N3	9.06	139.03	125.47
54	2x	46	7MG	N9-C4-N3	8.86	138.72	125.47
31	1a	527	7MG	N9-C4-N3	8.71	138.50	125.47

There are no chirality outliers.

5 of 84 torsion outliers are listed below:

Mol	Chain	Res	Type	Atoms
42	1l	92	0TD	CA-CB-SB-CSB
42	1l	92	0TD	CG-CB-SB-CSB
1	2A	1917	PSU	C2'-C1'-C5-C4
1	2A	1917	PSU	C2'-C1'-C5-C6
31	2a	527	7MG	C3'-C4'-C5'-O5'

There are no ring outliers.

No monomer is involved in short contacts.

5.5 Carbohydrates [i](#)

There are no monosaccharides in this entry.

5.6 Ligand geometry [i](#)

Of 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	-	-	-		
58	SF4	2d	303	34	0,12,12	-	-	-		
59	GDP	1v	704	56	24,30,30	1.00	1 (4%)	30,47,47	1.38	3 (10%)
59	GDP	2v	704	-	24,30,30	0.98	1 (4%)	30,47,47	1.35	4 (13%)

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

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

All (2) bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
59	1v	704	GDP	C6-N1	-2.48	1.34	1.37
59	2v	704	GDP	C6-N1	-2.34	1.34	1.37

The worst 5 of 7 bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
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	C3'-C2'-C1'	3.23	105.84	100.98
59	2v	704	GDP	C3'-C2'-C1'	2.86	105.28	100.98
59	1v	704	GDP	C8-N7-C5	2.48	107.71	102.99

There are no chirality outliers.

All (5) torsion outliers are listed below:

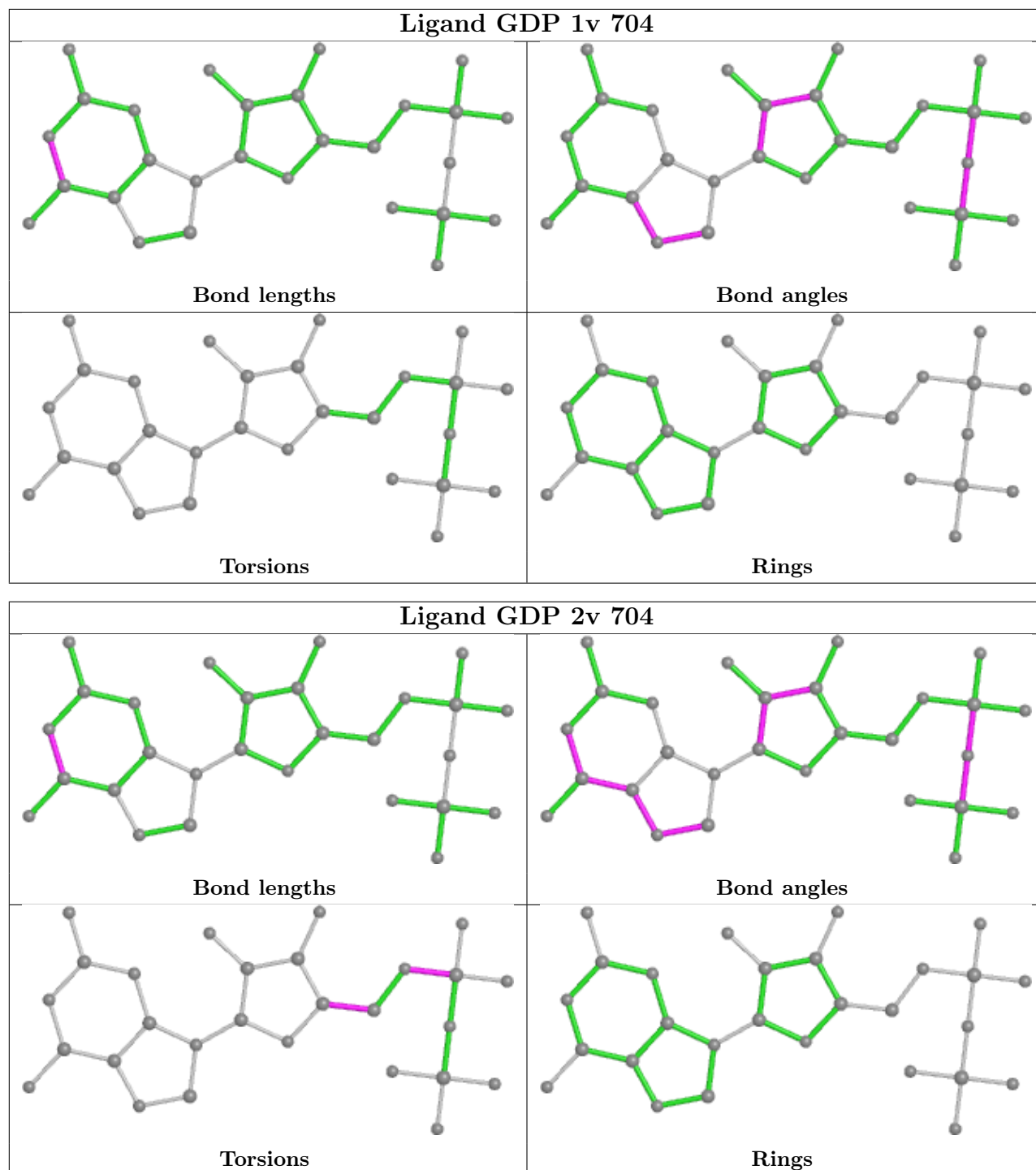
Mol	Chain	Res	Type	Atoms
59	2v	704	GDP	C5'-O5'-PA-O1A
59	2v	704	GDP	O4'-C4'-C5'-O5'
59	2v	704	GDP	C3'-C4'-C5'-O5'
59	2v	704	GDP	C5'-O5'-PA-O3A
59	2v	704	GDP	C5'-O5'-PA-O2A

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

There are no chain breaks in this entry.

6 Fit of model and data [i](#)

6.1 Protein, DNA and RNA chains [i](#)

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

Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
1	1A	2860/2915 (98%)	0.13	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	68, 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	116, 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, 140	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	7MG	2x	46	24/25	0.66	1.03	241,241,241,241	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	PSU	1x	55	20/21	0.68	0.32	194,194,194,194	0
54	5MU	1y	54	21/22	0.69	0.17	236,236,236,236	0
54	MIA	2y	37	22/30	0.69	0.39	208,208,208,208	0
1	PSU	2A	1911	20/21	0.73	0.25	158,158,158,158	0
54	PSU	1y	55	20/21	0.73	0.14	240,240,240,240	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	MIA	1y	37	22/30	0.79	0.32	175,175,175,175	0
54	PSU	2y	39	20/21	0.79	0.67	212,212,212,212	0
54	5MU	1x	54	21/22	0.80	0.32	193,193,193,193	0
1	PSU	1A	1911	20/21	0.80	0.29	130,130,130,130	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	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
54	4SU	1y	8	20/21	0.82	0.34	217,217,217,217	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
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	4OC	2a	1402	22/23	0.84	0.28	165,165,165,165	0
31	PSU	1a	516	20/21	0.85	0.15	144,144,144,144	0
31	5MC	1a	967	21/22	0.85	0.41	188,188,188,188	0
31	5MC	2a	1407	21/22	0.85	0.41	157,157,157,157	0
31	MA6	2a	1518	24/25	0.86	0.48	149,149,149,149	0
31	2MG	2a	1207	24/25	0.86	0.23	232,232,232,232	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	UR3	2a	1498	21/22	0.89	0.34	158,158,158,158	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	7MG	2a	527	24/25	0.90	0.18	155,155,155,155	0
31	5MC	2a	1400	21/22	0.90	0.44	182,182,182,182	0
1	OMC	2A	1920	21/22	0.90	0.32	153,153,153,153	0
42	0TD	2l	92	10/11	0.90	0.66	155,155,155,155	0
42	0TD	1l	92	10/11	0.90	0.36	132,132,132,132	0
31	7MG	1a	527	24/25	0.90	0.21	133,133,133,133	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	5MU	1A	1915	21/22	0.91	0.17	142,142,142,142	0
54	PSU	1y	39	20/21	0.91	0.34	177,177,177,177	0
31	5MC	1a	1404	21/22	0.91	0.27	126,126,126,126	0
1	2MA	1A	2503	23/24	0.91	0.39	58,58,58,58	0
1	PSU	2A	2605	20/21	0.92	0.26	95,95,95,95	0
1	2MU	2A	2552	21/23	0.92	0.25	105,105,105,105	0
1	OMG	2A	2251	24/25	0.92	0.18	106,106,106,106	0
1	5MU	1A	1939	21/22	0.93	0.24	74,74,74,74	0
1	5MC	2A	1962	21/22	0.93	0.15	112,112,112,112	0
1	OMC	1A	1920	21/22	0.93	0.27	126,126,126,126	0
31	4OC	1a	1402	22/23	0.93	0.22	134,134,134,134	0
1	5MU	2A	1939	21/22	0.94	0.23	101,101,101,101	0
31	UR3	1a	1498	21/22	0.94	0.25	133,133,133,133	0
1	5MC	1A	1962	21/22	0.94	0.21	81,81,81,81	0
1	2MU	1A	2552	21/23	0.95	0.28	71,71,71,71	0
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

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
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
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
1	5MC	2A	1942	21/22	0.96	0.17	112,112,112,112	0

6.3 Carbohydrates [i](#)

There are no monosaccharides in this entry.

6.4 Ligands [i](#)

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

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
56	MG	2A	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	1a	1854	1/1	-0.07	0.67	229,229,229,229	0
56	MG	2A	3252	1/1	-0.07	0.40	127,127,127,127	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	1a	1670	1/1	0.16	0.41	137,137,137,137	0
56	MG	2A	3184	1/1	0.16	0.70	135,135,135,135	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	2a	1602	1/1	0.19	0.41	151,151,151,151	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	2p	102	1/1	0.19	0.70	148,148,148,148	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	2y	106	1/1	0.20	0.70	263,263,263,263	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	1706	1/1	0.28	0.48	150,150,150,150	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	1659	1/1	0.29	0.33	117,117,117,117	0
56	MG	1b	305	1/1	0.29	0.60	166,166,166,166	0
56	MG	2a	1674	1/1	0.29	0.88	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	1782	1/1	0.30	0.36	127,127,127,127	0
56	MG	1a	1685	1/1	0.31	0.54	173,173,173,173	0
56	MG	2a	1800	1/1	0.31	0.18	220,220,220,220	0
56	MG	1A	4503	1/1	0.31	0.56	102,102,102,102	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	2l	206	1/1	0.34	0.53	145,145,145,145	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	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	2A	3071	1/1	0.37	0.68	129,129,129,129	0
56	MG	2Q	206	1/1	0.37	0.45	118,118,118,118	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(Å 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	3387	1/1	0.41	0.33	123,123,123,123	0
56	MG	2A	3574	1/1	0.41	0.56	253,253,253,253	0
56	MG	2A	3795	1/1	0.41	0.38	109,109,109,109	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	2T	302	1/1	0.42	0.33	124,124,124,124	0
56	MG	2a	1844	1/1	0.42	0.29	238,238,238,238	0
56	MG	1q	201	1/1	0.42	0.83	115,115,115,115	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	2a	1776	1/1	0.43	0.48	197,197,197,197	0
56	MG	1a	1669	1/1	0.43	0.46	124,124,124,124	0
56	MG	2a	1709	1/1	0.44	0.59	156,156,156,156	0
56	MG	1A	4516	1/1	0.44	0.87	118,118,118,118	0
56	MG	2A	3680	1/1	0.44	0.24	114,114,114,114	0
56	MG	1a	1671	1/1	0.44	0.22	139,139,139,139	0
56	MG	1a	1776	1/1	0.44	0.52	122,122,122,122	0
56	MG	2a	1686	1/1	0.44	0.32	150,150,150,150	0
56	MG	1a	1777	1/1	0.44	0.49	128,128,128,128	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	2B	217	1/1	0.45	0.34	177,177,177,177	0
56	MG	1a	1908	1/1	0.45	0.84	131,131,131,131	0
56	MG	2m	203	1/1	0.45	0.10	238,238,238,238	0
56	MG	2A	3536	1/1	0.46	0.78	123,123,123,123	0
56	MG	2A	3097	1/1	0.46	0.53	99,99,99,99	0
56	MG	2A	3248	1/1	0.46	0.51	123,123,123,123	0
56	MG	2a	1607	1/1	0.46	0.60	142,142,142,142	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	3531	1/1	0.46	0.28	138,138,138,138	0
56	MG	1A	4307	1/1	0.47	0.52	96,96,96,96	0
56	MG	23	103	1/1	0.47	0.41	112,112,112,112	0
56	MG	2e	202	1/1	0.47	0.21	153,153,153,153	0
56	MG	2A	3538	1/1	0.47	0.21	134,134,134,134	0
56	MG	2A	3631	1/1	0.47	0.37	113,113,113,113	0
56	MG	2s	102	1/1	0.47	0.42	247,247,247,247	0
56	MG	2u	103	1/1	0.47	0.20	238,238,238,238	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	2a	1654	1/1	0.47	0.35	132,132,132,132	0
56	MG	1A	4518	1/1	0.47	0.91	122,122,122,122	0
56	MG	1A	4052	1/1	0.47	0.59	92,92,92,92	0
56	MG	1n	102	1/1	0.48	0.32	210,210,210,210	0
56	MG	2A	3087	1/1	0.48	0.37	121,121,121,121	0
56	MG	1A	4054	1/1	0.48	0.81	95,95,95,95	0
56	MG	2A	3770	1/1	0.48	0.76	87,87,87,87	0
56	MG	2B	224	1/1	0.48	0.20	128,128,128,128	0
56	MG	2a	1716	1/1	0.48	0.95	135,135,135,135	0
56	MG	1n	101	1/1	0.49	0.20	207,207,207,207	0
56	MG	1a	1906	1/1	0.49	0.44	121,121,121,121	0
56	MG	2a	1668	1/1	0.49	1.01	151,151,151,151	0
56	MG	2A	3116	1/1	0.49	1.38	127,127,127,127	0
56	MG	1A	4060	1/1	0.49	0.56	72,72,72,72	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	2F	303	1/1	0.50	0.57	126,126,126,126	0
56	MG	1a	1900	1/1	0.50	0.30	134,134,134,134	0
56	MG	2A	3016	1/1	0.50	0.95	118,118,118,118	0
56	MG	2A	3556	1/1	0.50	0.59	96,96,96,96	0
56	MG	2u	101	1/1	0.50	0.69	221,221,221,221	0
56	MG	2y	109	1/1	0.50	0.27	247,247,247,247	0
56	MG	2B	232	1/1	0.51	0.52	144,144,144,144	0
56	MG	1A	4889	1/1	0.51	0.51	61,61,61,61	0
56	MG	2a	1786	1/1	0.52	0.53	234,234,234,234	0
56	MG	2a	1909	1/1	0.52	0.22	225,225,225,225	0
56	MG	2A	3282	1/1	0.52	0.37	107,107,107,107	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	1A	4790	1/1	0.52	0.48	99,99,99,99	0
56	MG	1A	4891	1/1	0.52	0.34	109,109,109,109	0
56	MG	2A	3421	1/1	0.53	0.26	146,146,146,146	0
56	MG	2A	3562	1/1	0.53	0.40	90,90,90,90	0
56	MG	1a	1706	1/1	0.53	0.65	103,103,103,103	0
56	MG	2A	3579	1/1	0.53	0.68	115,115,115,115	0
56	MG	2A	3590	1/1	0.53	0.29	171,171,171,171	0
56	MG	1a	1634	1/1	0.53	0.60	117,117,117,117	0
56	MG	2a	1794	1/1	0.54	0.67	168,168,168,168	0
56	MG	1A	4809	1/1	0.54	0.99	58,58,58,58	0
56	MG	1A	4282	1/1	0.54	0.51	69,69,69,69	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
56	MG	2a	1826	1/1	0.54	0.52	162,162,162,162	0
56	MG	2A	3817	1/1	0.54	0.21	139,139,139,139	0
56	MG	1A	4756	1/1	0.54	0.75	106,106,106,106	0
56	MG	2A	3833	1/1	0.54	0.22	111,111,111,111	0
56	MG	2m	201	1/1	0.54	0.89	166,166,166,166	0
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	2i	204	1/1	0.55	0.48	241,241,241,241	0
56	MG	1a	1682	1/1	0.55	0.62	197,197,197,197	0
56	MG	2a	1735	1/1	0.55	0.43	132,132,132,132	0
56	MG	1a	1895	1/1	0.55	0.38	121,121,121,121	0
56	MG	2a	1789	1/1	0.55	0.35	233,233,233,233	0
56	MG	2B	201	1/1	0.55	0.37	115,115,115,115	0
56	MG	2h	202	1/1	0.55	0.11	180,180,180,180	0
56	MG	2a	1768	1/1	0.55	0.43	260,260,260,260	0
56	MG	1A	4259	1/1	0.56	0.46	61,61,61,61	0
56	MG	2A	3206	1/1	0.56	0.48	120,120,120,120	0
56	MG	1A	4452	1/1	0.56	0.29	64,64,64,64	0
56	MG	2a	1636	1/1	0.56	0.38	150,150,150,150	0
56	MG	2x	103	1/1	0.56	0.57	192,192,192,192	0
56	MG	23	102	1/1	0.57	0.34	124,124,124,124	0
56	MG	2A	3502	1/1	0.57	0.46	104,104,104,104	0
56	MG	2O	301	1/1	0.57	0.15	136,136,136,136	0
56	MG	1A	4038	1/1	0.57	0.58	81,81,81,81	0
56	MG	2o	301	1/1	0.57	0.67	118,118,118,118	0
56	MG	2A	3832	1/1	0.57	0.27	121,121,121,121	0
56	MG	2A	3284	1/1	0.57	0.43	97,97,97,97	0
56	MG	2A	3137	1/1	0.57	0.42	134,134,134,134	0
56	MG	1a	1709	1/1	0.58	0.32	107,107,107,107	0
56	MG	2A	3403	1/1	0.58	0.61	219,219,219,219	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	2g	206	1/1	0.58	0.53	216,216,216,216	0
56	MG	2A	3329	1/1	0.59	0.51	87,87,87,87	0
56	MG	2a	1885	1/1	0.59	0.32	162,162,162,162	0
56	MG	1A	4519	1/1	0.59	0.66	94,94,94,94	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	2a	1617	1/1	0.60	0.44	127,127,127,127	0
56	MG	2a	1624	1/1	0.60	0.38	137,137,137,137	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
56	MG	1A	4301	1/1	0.60	0.81	102,102,102,102	0
56	MG	1A	4323	1/1	0.60	0.76	85,85,85,85	0
56	MG	2a	1722	1/1	0.60	0.81	141,141,141,141	0
56	MG	2A	3257	1/1	0.60	0.48	87,87,87,87	0
56	MG	2a	1737	1/1	0.60	0.29	132,132,132,132	0
56	MG	2a	1753	1/1	0.60	0.46	138,138,138,138	0
56	MG	2a	1758	1/1	0.60	0.54	205,205,205,205	0
56	MG	2A	3030	1/1	0.60	0.96	97,97,97,97	0
56	MG	2a	1893	1/1	0.60	0.82	123,123,123,123	0
56	MG	1A	4723	1/1	0.60	0.37	77,77,77,77	0
56	MG	2B	205	1/1	0.60	0.35	119,119,119,119	0
56	MG	2v	703	1/1	0.60	0.25	154,154,154,154	0
56	MG	2A	3761	1/1	0.60	0.37	126,126,126,126	0
56	MG	2B	216	1/1	0.60	0.44	174,174,174,174	0
56	MG	1s	102	1/1	0.60	0.07	229,229,229,229	0
56	MG	28	101	1/1	0.60	1.11	109,109,109,109	0
56	MG	1a	1835	1/1	0.60	0.07	221,221,221,221	0
56	MG	1A	4343	1/1	0.60	0.29	71,71,71,71	0
56	MG	2A	3350	1/1	0.61	0.45	104,104,104,104	0
56	MG	2A	3402	1/1	0.61	0.44	112,112,112,112	0
56	MG	2a	1756	1/1	0.61	0.35	205,205,205,205	0
56	MG	2a	1868	1/1	0.61	0.35	144,144,144,144	0
56	MG	2A	3735	1/1	0.61	0.52	101,101,101,101	0
56	MG	1a	1653	1/1	0.61	0.34	119,119,119,119	0
56	MG	1m	201	1/1	0.61	0.63	216,216,216,216	0
56	MG	2x	106	1/1	0.62	0.26	211,211,211,211	0
56	MG	1a	1615	1/1	0.62	0.61	92,92,92,92	0
56	MG	2a	1913	1/1	0.62	0.24	246,246,246,246	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	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	2A	3193	1/1	0.63	0.59	107,107,107,107	0
56	MG	28	104	1/1	0.63	0.17	110,110,110,110	0
56	MG	2F	302	1/1	0.63	0.33	90,90,90,90	0
56	MG	2a	1780	1/1	0.63	0.46	211,211,211,211	0
56	MG	1a	1875	1/1	0.63	0.63	118,118,118,118	0
56	MG	2A	3020	1/1	0.63	0.68	103,103,103,103	0
56	MG	1o	101	1/1	0.63	0.38	113,113,113,113	0
56	MG	2A	3546	1/1	0.64	0.40	97,97,97,97	0
56	MG	2a	1734	1/1	0.64	0.29	127,127,127,127	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
56	MG	2A	3208	1/1	0.64	0.25	118,118,118,118	0
56	MG	2A	3763	1/1	0.64	0.36	133,133,133,133	0
56	MG	1A	4550	1/1	0.64	0.62	89,89,89,89	0
56	MG	2l	202	1/1	0.64	0.27	150,150,150,150	0
56	MG	2a	1754	1/1	0.64	0.56	148,148,148,148	0
56	MG	2A	3529	1/1	0.64	0.47	118,118,118,118	0
56	MG	2A	3566	1/1	0.64	0.36	114,114,114,114	0
56	MG	1A	4138	1/1	0.64	0.36	72,72,72,72	0
56	MG	2A	3689	1/1	0.64	0.27	161,161,161,161	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	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	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	1771	1/1	0.65	0.25	178,178,178,178	0
56	MG	2a	1773	1/1	0.65	0.32	228,228,228,228	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	1a	1684	1/1	0.66	0.91	202,202,202,202	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	1711	1/1	0.66	0.37	149,149,149,149	0
56	MG	1A	4291	1/1	0.66	0.59	71,71,71,71	0
56	MG	2A	3094	1/1	0.66	0.55	113,113,113,113	0
56	MG	1D	308	1/1	0.66	0.72	77,77,77,77	0
56	MG	1A	4662	1/1	0.66	0.61	87,87,87,87	0
56	MG	2x	104	1/1	0.66	0.41	219,219,219,219	0
56	MG	1A	4678	1/1	0.66	0.52	86,86,86,86	0
56	MG	2A	3577	1/1	0.66	0.40	143,143,143,143	0
56	MG	2A	3027	1/1	0.66	1.06	123,123,123,123	0
56	MG	1A	4806	1/1	0.66	0.31	73,73,73,73	0
56	MG	1B	205	1/1	0.66	0.41	87,87,87,87	0
56	MG	2A	3758	1/1	0.66	0.09	211,211,211,211	0
56	MG	2A	3076	1/1	0.67	0.93	113,113,113,113	0
56	MG	2A	3461	1/1	0.67	0.41	111,111,111,111	0
56	MG	1u	101	1/1	0.67	0.29	211,211,211,211	0
56	MG	1a	1765	1/1	0.67	0.72	125,125,125,125	0
56	MG	2a	1732	1/1	0.67	0.43	110,110,110,110	0
56	MG	2a	1634	1/1	0.67	0.44	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	3351	1/1	0.67	0.49	146,146,146,146	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	1A	4699	1/1	0.67	0.48	75,75,75,75	0
56	MG	2A	3614	1/1	0.67	0.40	102,102,102,102	0
56	MG	2A	3615	1/1	0.67	0.60	138,138,138,138	0
56	MG	2A	3808	1/1	0.67	0.55	173,173,173,173	0
56	MG	2A	3537	1/1	0.67	0.17	73,73,73,73	0
56	MG	1A	4027	1/1	0.67	0.68	62,62,62,62	0
56	MG	1a	1810	1/1	0.67	0.98	100,100,100,100	0
56	MG	2A	3645	1/1	0.67	0.30	116,116,116,116	0
56	MG	2c	301	1/1	0.67	0.17	225,225,225,225	0
56	MG	1A	4861	1/1	0.67	0.63	85,85,85,85	0
56	MG	2a	1697	1/1	0.67	0.24	136,136,136,136	0
56	MG	2A	3136	1/1	0.67	0.50	110,110,110,110	0
56	MG	2A	3263	1/1	0.67	0.67	89,89,89,89	0
56	MG	2g	204	1/1	0.67	0.28	216,216,216,216	0
56	MG	1A	5035	1/1	0.67	0.57	68,68,68,68	0
56	MG	2y	108	1/1	0.67	0.33	245,245,245,245	0
56	MG	2h	201	1/1	0.67	0.14	179,179,179,179	0
56	MG	1a	1807	1/1	0.68	0.36	100,100,100,100	0
56	MG	2a	1921	1/1	0.68	0.50	152,152,152,152	0
56	MG	1A	4970	1/1	0.68	0.35	89,89,89,89	0
56	MG	2A	3205	1/1	0.68	0.26	122,122,122,122	0
56	MG	2A	3828	1/1	0.68	0.44	126,126,126,126	0
56	MG	2a	1798	1/1	0.68	0.35	239,239,239,239	0
56	MG	1D	306	1/1	0.68	1.01	69,69,69,69	0
56	MG	1A	4973	1/1	0.68	0.49	80,80,80,80	0
56	MG	2a	1805	1/1	0.68	0.89	114,114,114,114	0
56	MG	1A	4535	1/1	0.68	0.49	77,77,77,77	0
56	MG	1A	4288	1/1	0.68	0.71	74,74,74,74	0
56	MG	1A	5055	1/1	0.68	0.26	133,133,133,133	0
56	MG	1a	1863	1/1	0.68	0.66	215,215,215,215	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	2y	103	1/1	0.68	0.59	223,223,223,223	0
56	MG	1A	4691	1/1	0.68	0.33	81,81,81,81	0
56	MG	2B	221	1/1	0.68	0.55	122,122,122,122	0
56	MG	1a	1805	1/1	0.68	1.08	140,140,140,140	0
56	MG	2a	1625	1/1	0.69	0.52	148,148,148,148	0
56	MG	1a	1738	1/1	0.69	0.41	148,148,148,148	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
56	MG	1a	1739	1/1	0.69	0.25	144,144,144,144	0
56	MG	2a	1812	1/1	0.69	0.30	126,126,126,126	0
56	MG	1A	4859	1/1	0.69	0.29	72,72,72,72	0
56	MG	2A	3449	1/1	0.69	0.61	84,84,84,84	0
56	MG	1a	1656	1/1	0.69	0.33	102,102,102,102	0
56	MG	2A	3464	1/1	0.69	1.00	129,129,129,129	0
56	MG	1a	1704	1/1	0.69	0.55	125,125,125,125	0
56	MG	1a	1831	1/1	0.69	0.40	152,152,152,152	0
56	MG	2P	203	1/1	0.69	0.67	113,113,113,113	0
56	MG	1A	4600	1/1	0.69	0.58	78,78,78,78	0
56	MG	1B	206	1/1	0.69	0.21	71,71,71,71	0
56	MG	2A	3388	1/1	0.69	0.31	117,117,117,117	0
56	MG	2A	3389	1/1	0.69	0.71	117,117,117,117	0
56	MG	2A	3643	1/1	0.69	0.36	131,131,131,131	0
56	MG	1A	4747	1/1	0.69	0.80	84,84,84,84	0
56	MG	2A	3395	1/1	0.69	0.30	128,128,128,128	0
56	MG	2A	3397	1/1	0.69	0.48	189,189,189,189	0
56	MG	2A	3555	1/1	0.69	0.77	107,107,107,107	0
56	MG	1a	1645	1/1	0.69	0.26	127,127,127,127	0
56	MG	1d	301	1/1	0.69	0.77	128,128,128,128	0
56	MG	2a	1622	1/1	0.69	0.50	156,156,156,156	0
56	MG	2a	1718	1/1	0.69	0.65	136,136,136,136	0
56	MG	1A	4633	1/1	0.69	0.43	71,71,71,71	0
56	MG	1a	1909	1/1	0.70	0.57	136,136,136,136	0
56	MG	2A	3476	1/1	0.70	0.47	116,116,116,116	0
56	MG	2A	3798	1/1	0.70	0.50	98,98,98,98	0
56	MG	1y	105	1/1	0.70	0.29	180,180,180,180	0
56	MG	2A	3199	1/1	0.70	0.29	111,111,111,111	0
56	MG	2A	3398	1/1	0.70	0.40	155,155,155,155	0
56	MG	2A	3091	1/1	0.70	0.68	112,112,112,112	0
56	MG	1O	204	1/1	0.70	2.09	87,87,87,87	0
56	MG	2A	3717	1/1	0.70	0.29	108,108,108,108	0
56	MG	1A	4285	1/1	0.70	0.51	62,62,62,62	0
56	MG	2a	1910	1/1	0.70	0.19	240,240,240,240	0
56	MG	1a	1915	1/1	0.70	0.19	134,134,134,134	0
56	MG	1A	4303	1/1	0.70	0.28	87,87,87,87	0
56	MG	1A	4706	1/1	0.70	0.44	68,68,68,68	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	2A	3647	1/1	0.71	0.86	108,108,108,108	0
56	MG	2A	3675	1/1	0.71	0.57	123,123,123,123	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
56	MG	2A	3826	1/1	0.71	0.57	114,114,114,114	0
56	MG	1a	1884	1/1	0.71	0.39	122,122,122,122	0
56	MG	1a	1814	1/1	0.71	0.27	158,158,158,158	0
56	MG	12	101	1/1	0.71	0.50	84,84,84,84	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
56	MG	2A	3591	1/1	0.71	0.52	191,191,191,191	0
56	MG	1A	4639	1/1	0.71	0.45	71,71,71,71	0
56	MG	1a	1629	1/1	0.71	0.81	101,101,101,101	0
56	MG	2a	1673	1/1	0.71	0.88	167,167,167,167	0
56	MG	2g	205	1/1	0.71	0.22	211,211,211,211	0
56	MG	1a	1844	1/1	0.71	0.37	270,270,270,270	0
56	MG	2a	1676	1/1	0.71	0.45	163,163,163,163	0
56	MG	2A	3548	1/1	0.71	0.25	104,104,104,104	0
56	MG	1A	4888	1/1	0.71	0.43	69,69,69,69	0
56	MG	1A	4935	1/1	0.71	0.35	67,67,67,67	0
56	MG	1a	1672	1/1	0.71	0.28	99,99,99,99	0
56	MG	1A	5033	1/1	0.71	0.80	68,68,68,68	0
56	MG	2A	3477	1/1	0.71	0.49	126,126,126,126	0
56	MG	1a	1763	1/1	0.72	0.58	109,109,109,109	0
56	MG	20	101	1/1	0.72	0.39	128,128,128,128	0
56	MG	2A	3151	1/1	0.72	0.54	97,97,97,97	0
56	MG	2A	3155	1/1	0.72	0.50	100,100,100,100	0
56	MG	2A	3337	1/1	0.72	0.49	91,91,91,91	0
56	MG	2A	3173	1/1	0.72	0.38	87,87,87,87	0
56	MG	2A	3472	1/1	0.72	0.51	99,99,99,99	0
56	MG	19	101	1/1	0.72	0.28	71,71,71,71	0
56	MG	2a	1609	1/1	0.72	0.93	138,138,138,138	0
56	MG	2x	102	1/1	0.72	1.07	107,107,107,107	0
56	MG	1a	1860	1/1	0.72	0.11	214,214,214,214	0
56	MG	2A	3811	1/1	0.72	0.32	115,115,115,115	0
56	MG	2A	3613	1/1	0.72	0.24	122,122,122,122	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	1a	1707	1/1	0.72	0.20	125,125,125,125	0
56	MG	2A	3272	1/1	0.72	0.54	81,81,81,81	0
56	MG	2A	3752	1/1	0.72	0.39	117,117,117,117	0
56	MG	2A	3754	1/1	0.72	0.16	121,121,121,121	0
56	MG	2A	3572	1/1	0.72	0.53	182,182,182,182	0
56	MG	2a	1639	1/1	0.73	0.28	141,141,141,141	0
56	MG	2a	1648	1/1	0.73	0.74	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	4178	1/1	0.73	0.21	60,60,60,60	0
56	MG	2a	1657	1/1	0.73	0.32	138,138,138,138	0
56	MG	2A	3111	1/1	0.73	0.72	137,137,137,137	0
56	MG	2A	3486	1/1	0.73	0.44	141,141,141,141	0
56	MG	2A	3611	1/1	0.73	0.29	141,141,141,141	0
56	MG	1a	1859	1/1	0.73	0.27	207,207,207,207	0
56	MG	2A	3509	1/1	0.73	0.33	93,93,93,93	0
56	MG	2A	3025	1/1	0.73	1.33	118,118,118,118	0
56	MG	1A	4354	1/1	0.73	0.45	62,62,62,62	0
56	MG	2A	3624	1/1	0.73	0.64	156,156,156,156	0
56	MG	1A	4012	1/1	0.73	0.81	71,71,71,71	0
56	MG	2A	3066	1/1	0.73	0.32	125,125,125,125	0
56	MG	2Z	404	1/1	0.73	0.26	132,132,132,132	0
56	MG	1A	4521	1/1	0.73	0.57	79,79,79,79	0
56	MG	2A	3073	1/1	0.73	0.27	127,127,127,127	0
56	MG	2a	1703	1/1	0.73	0.34	157,157,157,157	0
56	MG	2A	3160	1/1	0.73	1.40	103,103,103,103	0
56	MG	1A	5053	1/1	0.73	0.25	275,275,275,275	0
56	MG	2A	3327	1/1	0.73	0.77	91,91,91,91	0
56	MG	13	301	1/1	0.73	0.45	65,65,65,65	0
56	MG	2a	1606	1/1	0.73	0.72	137,137,137,137	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	2a	1608	1/1	0.73	0.81	135,135,135,135	0
56	MG	2a	1873	1/1	0.73	0.18	157,157,157,157	0
56	MG	2A	3428	1/1	0.73	0.18	166,166,166,166	0
56	MG	2A	3191	1/1	0.73	0.47	92,92,92,92	0
56	MG	1A	4927	1/1	0.73	0.49	87,87,87,87	0
56	MG	2A	3451	1/1	0.73	0.43	99,99,99,99	0
56	MG	1A	4330	1/1	0.73	0.31	77,77,77,77	0
56	MG	2a	1748	1/1	0.73	0.64	114,114,114,114	0
56	MG	2A	3372	1/1	0.73	0.25	107,107,107,107	0
56	MG	1A	4549	1/1	0.73	0.62	125,125,125,125	0
56	MG	2A	3753	1/1	0.73	0.35	97,97,97,97	0
56	MG	1A	4742	1/1	0.74	0.38	73,73,73,73	0
56	MG	2a	1623	1/1	0.74	0.22	182,182,182,182	0
56	MG	2A	3521	1/1	0.74	0.71	105,105,105,105	0
56	MG	2a	1713	1/1	0.74	0.92	143,143,143,143	0
56	MG	1A	4304	1/1	0.74	0.63	81,81,81,81	0
56	MG	1a	1864	1/1	0.74	0.39	211,211,211,211	0
56	MG	2a	1804	1/1	0.74	0.37	107,107,107,107	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
56	MG	2A	3617	1/1	0.74	0.38	102,102,102,102	0
56	MG	2A	3283	1/1	0.74	0.44	108,108,108,108	0
56	MG	1A	5012	1/1	0.74	0.34	115,115,115,115	0
56	MG	1A	4197	1/1	0.74	0.52	94,94,94,94	0
56	MG	1a	1834	1/1	0.74	0.29	210,210,210,210	0
56	MG	1A	4788	1/1	0.74	0.76	107,107,107,107	0
56	MG	2a	1658	1/1	0.74	0.35	122,122,122,122	0
56	MG	2r	302	1/1	0.74	0.25	149,149,149,149	0
56	MG	1A	4715	1/1	0.74	0.27	90,90,90,90	0
56	MG	2A	3431	1/1	0.74	0.82	93,93,93,93	0
56	MG	2A	3346	1/1	0.74	0.36	102,102,102,102	0
56	MG	2A	3077	1/1	0.74	0.70	108,108,108,108	0
56	MG	1A	4677	1/1	0.74	0.78	102,102,102,102	0
56	MG	2w	202	1/1	0.74	0.46	88,88,88,88	0
56	MG	1a	1687	1/1	0.74	0.36	118,118,118,118	0
56	MG	2a	1671	1/1	0.74	0.41	173,173,173,173	0
56	MG	1a	1853	1/1	0.74	0.20	225,225,225,225	0
56	MG	1A	4733	1/1	0.74	0.15	82,82,82,82	0
56	MG	1a	1856	1/1	0.74	0.69	227,227,227,227	0
56	MG	1y	106	1/1	0.74	0.27	173,173,173,173	0
56	MG	1a	1857	1/1	0.74	0.20	211,211,211,211	0
56	MG	2A	3018	1/1	0.74	0.42	124,124,124,124	0
56	MG	2A	3508	1/1	0.74	0.28	97,97,97,97	0
56	MG	2a	1610	1/1	0.74	0.38	141,141,141,141	0
56	MG	1A	4960	1/1	0.74	0.46	91,91,91,91	0
56	MG	2A	3789	1/1	0.75	0.61	97,97,97,97	0
56	MG	2A	3028	1/1	0.75	0.82	133,133,133,133	0
56	MG	2h	203	1/1	0.75	1.01	144,144,144,144	0
56	MG	1a	1912	1/1	0.75	1.11	131,131,131,131	0
56	MG	1A	4948	1/1	0.75	0.70	62,62,62,62	0
56	MG	2A	3408	1/1	0.75	0.26	129,129,129,129	0
56	MG	2A	3582	1/1	0.75	0.71	106,106,106,106	0
56	MG	1A	4768	1/1	0.75	0.31	65,65,65,65	0
56	MG	1A	4538	1/1	0.75	0.84	83,83,83,83	0
56	MG	1a	1796	1/1	0.75	0.36	105,105,105,105	0
56	MG	2Z	403	1/1	0.75	0.90	130,130,130,130	0
56	MG	2A	3706	1/1	0.75	0.33	94,94,94,94	0
56	MG	2A	3593	1/1	0.75	0.12	129,129,129,129	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	1A	4202	1/1	0.75	0.61	95,95,95,95	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
56	MG	1A	4182	1/1	0.75	0.30	58,58,58,58	0
56	MG	2A	3176	1/1	0.75	0.99	114,114,114,114	0
56	MG	1A	4900	1/1	0.75	0.33	81,81,81,81	0
56	MG	2B	215	1/1	0.75	0.25	164,164,164,164	0
56	MG	1A	4134	1/1	0.75	0.71	72,72,72,72	0
56	MG	1A	4762	1/1	0.75	0.49	71,71,71,71	0
56	MG	2A	3470	1/1	0.75	0.61	104,104,104,104	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	2f	302	1/1	0.75	0.26	143,143,143,143	0
56	MG	2a	1688	1/1	0.75	0.48	153,153,153,153	0
56	MG	2A	3307	1/1	0.75	1.09	92,92,92,92	0
56	MG	2a	1618	1/1	0.75	0.31	145,145,145,145	0
56	MG	2a	1620	1/1	0.75	0.52	151,151,151,151	0
56	MG	10	101	1/1	0.75	0.43	64,64,64,64	0
56	MG	2A	3783	1/1	0.75	0.79	139,139,139,139	0
56	MG	2z	103	1/1	0.75	1.01	179,179,179,179	0
56	MG	1Z	305	1/1	0.76	0.35	72,72,72,72	0
56	MG	1a	1742	1/1	0.76	0.54	106,106,106,106	0
56	MG	2a	1791	1/1	0.76	0.50	239,239,239,239	0
56	MG	2a	1792	1/1	0.76	0.08	250,250,250,250	0
56	MG	1a	1751	1/1	0.76	0.28	131,131,131,131	0
56	MG	1a	1837	1/1	0.76	0.28	226,226,226,226	0
56	MG	1a	1752	1/1	0.76	0.44	128,128,128,128	0
56	MG	1A	4884	1/1	0.76	0.42	84,84,84,84	0
56	MG	2a	1628	1/1	0.76	0.41	161,161,161,161	0
56	MG	1A	4764	1/1	0.76	0.52	64,64,64,64	0
56	MG	1A	4767	1/1	0.76	0.32	80,80,80,80	0
56	MG	1A	4428	1/1	0.76	1.28	59,59,59,59	0
56	MG	1A	4780	1/1	0.76	0.14	76,76,76,76	0
56	MG	1A	4546	1/1	0.76	0.57	104,104,104,104	0
56	MG	1A	4006	1/1	0.76	0.37	59,59,59,59	0
56	MG	2a	1854	1/1	0.76	0.13	286,286,286,286	0
56	MG	2A	3539	1/1	0.76	0.17	125,125,125,125	0
56	MG	1A	4746	1/1	0.76	0.29	76,76,76,76	0
56	MG	2a	1881	1/1	0.76	0.40	171,171,171,171	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	1A	4609	1/1	0.76	0.39	70,70,70,70	0
56	MG	1a	1708	1/1	0.76	0.13	108,108,108,108	0
56	MG	2A	3319	1/1	0.76	0.64	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	4966	1/1	0.76	0.48	83,83,83,83	0
56	MG	1a	1898	1/1	0.76	1.10	108,108,108,108	0
56	MG	2a	1918	1/1	0.76	0.58	138,138,138,138	0
56	MG	1A	4622	1/1	0.76	0.38	115,115,115,115	0
56	MG	1A	4721	1/1	0.76	0.27	82,82,82,82	0
56	MG	1a	1901	1/1	0.76	0.22	113,113,113,113	0
56	MG	2e	201	1/1	0.76	0.52	122,122,122,122	0
56	MG	1a	1659	1/1	0.76	0.24	118,118,118,118	0
56	MG	1a	1820	1/1	0.76	0.32	205,205,205,205	0
56	MG	2A	3738	1/1	0.76	0.29	96,96,96,96	0
56	MG	2B	218	1/1	0.76	0.44	171,171,171,171	0
56	MG	1P	202	1/1	0.76	0.70	60,60,60,60	0
56	MG	2A	3107	1/1	0.77	0.45	166,166,166,166	0
56	MG	2a	1675	1/1	0.77	0.32	166,166,166,166	0
56	MG	2D	301	1/1	0.77	0.33	74,74,74,74	0
56	MG	1a	1621	1/1	0.77	0.81	97,97,97,97	0
56	MG	1A	5052	1/1	0.77	0.39	267,267,267,267	0
56	MG	1A	4373	1/1	0.77	0.42	64,64,64,64	0
56	MG	1a	1852	1/1	0.77	0.53	224,224,224,224	0
56	MG	1A	4075	1/1	0.77	0.58	83,83,83,83	0
56	MG	2a	1769	1/1	0.77	0.31	269,269,269,269	0
56	MG	1a	1812	1/1	0.77	0.33	88,88,88,88	0
56	MG	1A	4242	1/1	0.77	0.38	71,71,71,71	0
56	MG	10	104	1/1	0.77	0.42	79,79,79,79	0
56	MG	1A	4895	1/1	0.77	1.00	59,59,59,59	0
56	MG	1A	4329	1/1	0.77	0.31	73,73,73,73	0
56	MG	2B	203	1/1	0.77	0.54	131,131,131,131	0
56	MG	2B	204	1/1	0.77	0.25	130,130,130,130	0
56	MG	2a	1790	1/1	0.77	0.13	249,249,249,249	0
56	MG	20	104	1/1	0.77	0.14	122,122,122,122	0
56	MG	2A	3174	1/1	0.77	0.38	109,109,109,109	0
56	MG	1a	1833	1/1	0.77	0.28	201,201,201,201	0
56	MG	1A	4736	1/1	0.77	0.28	61,61,61,61	0
56	MG	2A	3482	1/1	0.77	0.49	117,117,117,117	0
56	MG	2A	3305	1/1	0.77	0.69	128,128,128,128	0
56	MG	1a	1867	1/1	0.77	0.11	227,227,227,227	0
56	MG	1A	4647	1/1	0.77	0.34	68,68,68,68	0
56	MG	1A	4361	1/1	0.77	0.25	84,84,84,84	0
56	MG	2A	3204	1/1	0.77	0.55	111,111,111,111	0
56	MG	2A	3801	1/1	0.77	0.13	128,128,128,128	0
56	MG	2a	1757	1/1	0.77	0.28	211,211,211,211	0
56	MG	1A	4689	1/1	0.78	0.26	89,89,89,89	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
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	1a	1911	1/1	0.78	0.78	105,105,105,105	0
56	MG	1a	1705	1/1	0.78	0.36	122,122,122,122	0
56	MG	1A	4068	1/1	0.78	0.73	84,84,84,84	0
56	MG	2A	3695	1/1	0.78	0.62	84,84,84,84	0
56	MG	2A	3131	1/1	0.78	1.02	130,130,130,130	0
56	MG	2A	3416	1/1	0.78	0.37	114,114,114,114	0
56	MG	2A	3021	1/1	0.78	0.96	112,112,112,112	0
56	MG	1A	4500	1/1	0.78	0.39	69,69,69,69	0
56	MG	2A	3146	1/1	0.78	0.61	87,87,87,87	0
56	MG	2A	3302	1/1	0.78	0.53	100,100,100,100	0
56	MG	2a	1651	1/1	0.78	0.14	142,142,142,142	0
56	MG	2A	3739	1/1	0.78	0.69	103,103,103,103	0
56	MG	2A	3747	1/1	0.78	0.25	107,107,107,107	0
56	MG	2A	3576	1/1	0.78	0.38	151,151,151,151	0
56	MG	1a	1606	1/1	0.78	0.15	115,115,115,115	0
56	MG	2A	3442	1/1	0.78	0.38	108,108,108,108	0
56	MG	1B	214	1/1	0.78	0.48	69,69,69,69	0
56	MG	2h	204	1/1	0.78	0.13	164,164,164,164	0
56	MG	1a	1865	1/1	0.78	0.08	224,224,224,224	0
56	MG	2A	3161	1/1	0.78	1.06	100,100,100,100	0
56	MG	1g	301	1/1	0.78	0.21	186,186,186,186	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	3781	1/1	0.78	0.20	80,80,80,80	0
56	MG	1A	4579	1/1	0.78	0.34	56,56,56,56	0
56	MG	2A	3338	1/1	0.78	0.37	86,86,86,86	0
56	MG	2A	3181	1/1	0.78	0.32	114,114,114,114	0
56	MG	2a	1683	1/1	0.78	0.82	158,158,158,158	0
56	MG	2q	201	1/1	0.78	0.57	124,124,124,124	0
56	MG	1A	4009	1/1	0.78	0.79	79,79,79,79	0
56	MG	2A	3800	1/1	0.78	0.87	151,151,151,151	0
56	MG	1a	1840	1/1	0.78	0.09	237,237,237,237	0
56	MG	2a	1696	1/1	0.78	0.35	161,161,161,161	0
56	MG	1A	4121	1/1	0.78	0.49	81,81,81,81	0
56	MG	2a	1821	1/1	0.78	0.20	143,143,143,143	0
56	MG	2a	1824	1/1	0.78	0.37	158,158,158,158	0
56	MG	1A	4933	1/1	0.78	0.65	102,102,102,102	0
56	MG	2A	3084	1/1	0.78	0.50	115,115,115,115	0
56	MG	1A	4540	1/1	0.78	0.35	77,77,77,77	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
56	MG	1a	1850	1/1	0.78	0.76	113,113,113,113	0
56	MG	2a	1604	1/1	0.78	0.18	148,148,148,148	0
56	MG	1a	1745	1/1	0.78	0.52	122,122,122,122	0
56	MG	2A	3244	1/1	0.78	0.24	104,104,104,104	0
56	MG	1A	4765	1/1	0.78	0.67	60,60,60,60	0
56	MG	2A	3105	1/1	0.78	0.53	155,155,155,155	0
56	MG	2A	3661	1/1	0.78	0.27	105,105,105,105	0
56	MG	2A	3834	1/1	0.78	0.14	115,115,115,115	0
56	MG	2a	1733	1/1	0.78	0.18	125,125,125,125	0
56	MG	2a	1905	1/1	0.78	0.97	218,218,218,218	0
56	MG	1A	4950	1/1	0.79	0.22	61,61,61,61	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	4464	1/1	0.79	0.43	66,66,66,66	0
56	MG	2A	3194	1/1	0.79	0.17	109,109,109,109	0
56	MG	1a	1622	1/1	0.79	0.98	99,99,99,99	0
56	MG	2A	3465	1/1	0.79	0.64	129,129,129,129	0
56	MG	1A	4153	1/1	0.79	0.29	55,55,55,55	0
56	MG	2a	1745	1/1	0.79	0.16	162,162,162,162	0
56	MG	1A	4667	1/1	0.79	0.24	75,75,75,75	0
56	MG	2a	1663	1/1	0.79	0.79	143,143,143,143	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	5006	1/1	0.79	0.81	74,74,74,74	0
56	MG	2a	1876	1/1	0.79	0.32	147,147,147,147	0
56	MG	27	101	1/1	0.79	0.63	90,90,90,90	0
56	MG	1y	101	1/1	0.79	0.33	87,87,87,87	0
56	MG	1A	4511	1/1	0.79	0.39	68,68,68,68	0
56	MG	1A	4772	1/1	0.79	0.46	70,70,70,70	0
56	MG	1P	203	1/1	0.79	0.23	68,68,68,68	0
56	MG	2a	1901	1/1	0.79	0.90	171,171,171,171	0
56	MG	1Q	201	1/1	0.79	0.44	70,70,70,70	0
56	MG	2A	3512	1/1	0.79	0.42	94,94,94,94	0
56	MG	2A	3019	1/1	0.79	0.90	112,112,112,112	0
56	MG	1A	4681	1/1	0.79	0.25	67,67,67,67	0
56	MG	1A	4616	1/1	0.79	0.23	86,86,86,86	0
56	MG	1A	5051	1/1	0.79	0.20	192,192,192,192	0
56	MG	1b	304	1/1	0.79	0.44	173,173,173,173	0
56	MG	1A	4036	1/1	0.79	0.72	76,76,76,76	0
56	MG	2a	1700	1/1	0.79	0.73	140,140,140,140	0
56	MG	2x	107	1/1	0.79	1.42	131,131,131,131	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	1A	4042	1/1	0.79	0.29	58,58,58,58	0
56	MG	1d	305	1/1	0.79	0.26	142,142,142,142	0
56	MG	2A	3034	1/1	0.79	0.86	100,100,100,100	0
56	MG	2A	3057	1/1	0.79	0.73	96,96,96,96	0
56	MG	1A	5054	1/1	0.79	0.30	142,142,142,142	0
56	MG	1A	4750	1/1	0.79	0.37	68,68,68,68	0
56	MG	2A	3805	1/1	0.79	0.26	100,100,100,100	0
57	ZN	2Y	203	1/1	0.79	0.08	153,153,153,153	0
56	MG	2a	1682	1/1	0.80	0.66	131,131,131,131	0
56	MG	1A	4822	1/1	0.80	0.61	82,82,82,82	0
56	MG	1R	203	1/1	0.80	0.90	52,52,52,52	0
56	MG	2A	3133	1/1	0.80	1.15	143,143,143,143	0
56	MG	2A	3732	1/1	0.80	0.32	95,95,95,95	0
56	MG	1Z	301	1/1	0.80	0.39	80,80,80,80	0
56	MG	1A	4192	1/1	0.80	0.37	68,68,68,68	0
56	MG	2A	3142	1/1	0.80	1.06	102,102,102,102	0
56	MG	2B	213	1/1	0.80	0.26	151,151,151,151	0
56	MG	2A	3745	1/1	0.80	0.44	112,112,112,112	0
56	MG	2A	3143	1/1	0.80	0.35	89,89,89,89	0
56	MG	1A	4404	1/1	0.80	0.55	70,70,70,70	0
56	MG	2i	203	1/1	0.80	0.12	234,234,234,234	0
56	MG	2A	3608	1/1	0.80	0.21	111,111,111,111	0
56	MG	1A	4962	1/1	0.80	0.53	69,69,69,69	0
56	MG	2a	1808	1/1	0.80	0.56	102,102,102,102	0
56	MG	1a	1666	1/1	0.80	0.32	116,116,116,116	0
56	MG	1A	4275	1/1	0.80	0.33	65,65,65,65	0
56	MG	1A	4514	1/1	0.80	0.46	81,81,81,81	0
56	MG	2a	1719	1/1	0.80	0.13	151,151,151,151	0
56	MG	2A	3168	1/1	0.80	0.61	90,90,90,90	0
56	MG	2A	3768	1/1	0.80	0.30	90,90,90,90	0
56	MG	1A	4621	1/1	0.80	0.55	114,114,114,114	0
56	MG	2F	301	1/1	0.80	0.27	133,133,133,133	0
56	MG	2a	1860	1/1	0.80	0.47	153,153,153,153	0
56	MG	1A	4126	1/1	0.80	0.40	78,78,78,78	0
56	MG	1A	4294	1/1	0.80	0.36	84,84,84,84	0
56	MG	2A	3312	1/1	0.80	0.33	129,129,129,129	0
56	MG	2A	3632	1/1	0.80	0.77	110,110,110,110	0
56	MG	2A	3637	1/1	0.80	0.45	88,88,88,88	0
56	MG	1A	4696	1/1	0.80	0.26	72,72,72,72	0
56	MG	1D	307	1/1	0.80	0.16	99,99,99,99	0
56	MG	2A	3550	1/1	0.80	0.21	104,104,104,104	0
56	MG	2A	3188	1/1	0.80	0.27	103,103,103,103	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	1a	1819	1/1	0.80	0.34	204,204,204,204	0
56	MG	1A	4917	1/1	0.80	1.15	62,62,62,62	0
56	MG	1A	4485	1/1	0.80	0.19	61,61,61,61	0
56	MG	1a	1829	1/1	0.80	0.11	194,194,194,194	0
56	MG	1A	4700	1/1	0.80	0.25	79,79,79,79	0
56	MG	2A	3573	1/1	0.80	0.23	282,282,282,282	0
56	MG	2A	3023	1/1	0.80	0.77	120,120,120,120	0
56	MG	1A	4520	1/1	0.80	0.49	75,75,75,75	0
56	MG	2A	3713	1/1	0.80	0.19	112,112,112,112	0
56	MG	2a	1678	1/1	0.80	0.41	167,167,167,167	0
56	MG	2a	1775	1/1	0.80	0.30	208,208,208,208	0
56	MG	1a	1601	1/1	0.81	0.22	73,73,73,73	0
56	MG	1A	4626	1/1	0.81	0.49	95,95,95,95	0
56	MG	2a	1635	1/1	0.81	0.12	147,147,147,147	0
56	MG	2a	1796	1/1	0.81	0.41	111,111,111,111	0
56	MG	1a	1677	1/1	0.81	0.52	157,157,157,157	0
56	MG	2A	3242	1/1	0.81	0.21	106,106,106,106	0
56	MG	1A	5020	1/1	0.81	0.57	69,69,69,69	0
56	MG	2a	1649	1/1	0.81	0.30	143,143,143,143	0
56	MG	1A	4395	1/1	0.81	0.43	63,63,63,63	0
56	MG	2a	1729	1/1	0.81	0.28	124,124,124,124	0
56	MG	1A	4942	1/1	0.81	0.18	79,79,79,79	0
56	MG	1a	1827	1/1	0.81	0.24	190,190,190,190	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
56	MG	2A	3487	1/1	0.81	0.23	145,145,145,145	0
56	MG	2A	3062	1/1	0.81	0.31	85,85,85,85	0
56	MG	1A	4881	1/1	0.81	0.40	82,82,82,82	0
56	MG	2a	1746	1/1	0.81	0.37	120,120,120,120	0
56	MG	1A	4697	1/1	0.81	0.87	68,68,68,68	0
56	MG	1A	4584	1/1	0.81	0.39	105,105,105,105	0
56	MG	1A	4730	1/1	0.81	0.69	71,71,71,71	0
56	MG	2a	1869	1/1	0.81	0.50	151,151,151,151	0
56	MG	2A	3609	1/1	0.81	0.15	132,132,132,132	0
56	MG	1a	1699	1/1	0.81	0.31	118,118,118,118	0
56	MG	2a	1672	1/1	0.81	0.38	181,181,181,181	0
56	MG	2A	3742	1/1	0.81	0.45	91,91,91,91	0
56	MG	2A	3528	1/1	0.81	0.25	106,106,106,106	0
56	MG	1V	201	1/1	0.81	0.42	74,74,74,74	0
56	MG	2A	3751	1/1	0.81	0.12	101,101,101,101	0
56	MG	1A	4374	1/1	0.81	0.40	94,94,94,94	0
56	MG	2a	1904	1/1	0.81	0.26	245,245,245,245	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	1A	5059	1/1	0.81	0.45	86,86,86,86	0
56	MG	2a	1906	1/1	0.81	0.22	240,240,240,240	0
56	MG	1A	4495	1/1	0.81	0.61	78,78,78,78	0
56	MG	1A	4712	1/1	0.81	0.30	76,76,76,76	0
56	MG	1A	4916	1/1	0.81	0.22	73,73,73,73	0
56	MG	2A	3101	1/1	0.81	0.59	133,133,133,133	0
56	MG	1A	4834	1/1	0.81	0.53	72,72,72,72	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	2A	3640	1/1	0.81	0.36	127,127,127,127	0
56	MG	2A	3642	1/1	0.81	0.33	132,132,132,132	0
56	MG	1a	1809	1/1	0.81	0.31	127,127,127,127	0
56	MG	2y	110	1/1	0.81	0.40	248,248,248,248	0
56	MG	2A	3340	1/1	0.81	0.69	75,75,75,75	0
56	MG	2f	304	1/1	0.81	0.77	137,137,137,137	0
56	MG	29	101	1/1	0.82	0.20	130,130,130,130	0
56	MG	2a	1782	1/1	0.82	1.08	205,205,205,205	0
56	MG	2a	1783	1/1	0.82	1.14	174,174,174,174	0
56	MG	1S	202	1/1	0.82	1.27	92,92,92,92	0
56	MG	1A	4524	1/1	0.82	0.35	74,74,74,74	0
56	MG	1A	4862	1/1	0.82	0.65	74,74,74,74	0
56	MG	2a	1695	1/1	0.82	0.77	146,146,146,146	0
56	MG	1a	1735	1/1	0.82	0.57	150,150,150,150	0
56	MG	2A	3347	1/1	0.82	0.28	99,99,99,99	0
56	MG	1A	4453	1/1	0.82	0.21	66,66,66,66	0
56	MG	1A	4163	1/1	0.82	0.19	57,57,57,57	0
56	MG	2A	3358	1/1	0.82	0.16	97,97,97,97	0
56	MG	2a	1799	1/1	0.82	0.26	238,238,238,238	0
56	MG	1B	202	1/1	0.82	0.18	114,114,114,114	0
56	MG	1B	203	1/1	0.82	0.50	95,95,95,95	0
56	MG	1A	4785	1/1	0.82	1.19	70,70,70,70	0
56	MG	2k	201	1/1	0.82	0.21	158,158,158,158	0
56	MG	1a	1674	1/1	0.82	0.19	134,134,134,134	0
56	MG	1A	4402	1/1	0.82	0.15	73,73,73,73	0
56	MG	1A	4710	1/1	0.82	0.34	73,73,73,73	0
56	MG	2B	223	1/1	0.82	0.17	129,129,129,129	0
56	MG	1A	4802	1/1	0.82	0.40	73,73,73,73	0
56	MG	2A	3393	1/1	0.82	0.29	132,132,132,132	0
56	MG	2a	1723	1/1	0.82	1.05	118,118,118,118	0
56	MG	1a	1771	1/1	0.82	0.35	135,135,135,135	0
56	MG	1A	4997	1/1	0.82	0.15	80,80,80,80	0
56	MG	1A	4087	1/1	0.82	0.32	69,69,69,69	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	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	2E	303	1/1	0.82	0.29	81,81,81,81	0
56	MG	2A	3635	1/1	0.82	0.31	103,103,103,103	0
56	MG	2A	3773	1/1	0.82	0.22	115,115,115,115	0
56	MG	1A	4010	1/1	0.82	0.48	73,73,73,73	0
56	MG	1a	1916	1/1	0.82	0.41	146,146,146,146	0
56	MG	2A	3785	1/1	0.82	0.34	119,119,119,119	0
56	MG	1A	4820	1/1	0.82	0.45	72,72,72,72	0
56	MG	1A	4920	1/1	0.82	0.33	61,61,61,61	0
56	MG	2A	3414	1/1	0.82	0.52	117,117,117,117	0
56	MG	1O	205	1/1	0.82	0.34	112,112,112,112	0
56	MG	1A	4040	1/1	0.82	0.16	93,93,93,93	0
56	MG	2A	3654	1/1	0.82	1.27	115,115,115,115	0
56	MG	1A	4562	1/1	0.82	0.40	65,65,65,65	0
56	MG	2A	3673	1/1	0.82	0.80	133,133,133,133	0
56	MG	1a	1798	1/1	0.82	0.45	118,118,118,118	0
56	MG	1a	1802	1/1	0.82	0.58	142,142,142,142	0
56	MG	1A	4631	1/1	0.82	0.39	70,70,70,70	0
56	MG	1R	201	1/1	0.82	0.54	68,68,68,68	0
56	MG	2A	3446	1/1	0.82	0.85	84,84,84,84	0
56	MG	1a	1646	1/1	0.82	0.80	116,116,116,116	0
56	MG	2z	102	1/1	0.82	0.14	175,175,175,175	0
56	MG	2a	1680	1/1	0.82	0.42	162,162,162,162	0
56	MG	1A	4505	1/1	0.82	0.40	92,92,92,92	0
56	MG	1v	701	1/1	0.83	0.74	117,117,117,117	0
56	MG	2a	1647	1/1	0.83	0.37	139,139,139,139	0
56	MG	1A	4763	1/1	0.83	0.26	69,69,69,69	0
56	MG	1A	4165	1/1	0.83	0.40	56,56,56,56	0
56	MG	1A	4858	1/1	0.83	1.08	58,58,58,58	0
56	MG	1a	1734	1/1	0.83	0.74	147,147,147,147	0
56	MG	2A	3015	1/1	0.83	0.69	112,112,112,112	0
56	MG	2A	3106	1/1	0.83	0.40	170,170,170,170	0
56	MG	1a	1801	1/1	0.83	0.35	105,105,105,105	0
56	MG	1T	204	1/1	0.83	0.28	115,115,115,115	0
56	MG	1a	1623	1/1	0.83	0.13	100,100,100,100	0
56	MG	2A	3214	1/1	0.83	0.35	93,93,93,93	0
56	MG	2A	3497	1/1	0.83	0.59	79,79,79,79	0
56	MG	2A	3767	1/1	0.83	0.64	93,93,93,93	0
56	MG	2A	3367	1/1	0.83	0.34	92,92,92,92	0
56	MG	2A	3217	1/1	0.83	0.30	91,91,91,91	0
56	MG	2Q	201	1/1	0.83	0.26	126,126,126,126	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	2A	3221	1/1	0.83	0.20	114,114,114,114	0
56	MG	2A	3224	1/1	0.83	0.22	119,119,119,119	0
56	MG	1A	5024	1/1	0.83	0.27	55,55,55,55	0
56	MG	1A	4703	1/1	0.83	0.55	64,64,64,64	0
56	MG	2V	201	1/1	0.83	0.34	129,129,129,129	0
56	MG	1a	1917	1/1	0.83	0.24	128,128,128,128	0
56	MG	2A	3793	1/1	0.83	0.45	116,116,116,116	0
56	MG	1a	1636	1/1	0.83	0.19	120,120,120,120	0
56	MG	1A	4094	1/1	0.83	0.29	68,68,68,68	0
56	MG	20	103	1/1	0.83	0.48	97,97,97,97	0
56	MG	2A	3532	1/1	0.83	0.24	118,118,118,118	0
56	MG	2A	3533	1/1	0.83	0.41	124,124,124,124	0
56	MG	2A	3249	1/1	0.83	0.32	128,128,128,128	0
56	MG	1A	5036	1/1	0.83	0.20	72,72,72,72	0
56	MG	2A	3649	1/1	0.83	0.57	110,110,110,110	0
56	MG	1A	4130	1/1	0.83	0.49	58,58,58,58	0
56	MG	1A	4219	1/1	0.83	0.44	61,61,61,61	0
56	MG	2A	3823	1/1	0.83	0.41	95,95,95,95	0
56	MG	2A	3664	1/1	0.83	0.31	112,112,112,112	0
56	MG	2A	3672	1/1	0.83	0.11	120,120,120,120	0
56	MG	2A	3264	1/1	0.83	0.59	81,81,81,81	0
56	MG	1a	1767	1/1	0.83	0.29	133,133,133,133	0
56	MG	2a	1838	1/1	0.83	0.06	244,244,244,244	0
56	MG	1a	1822	1/1	0.83	0.11	215,215,215,215	0
56	MG	2A	3152	1/1	0.83	0.25	96,96,96,96	0
56	MG	2a	1849	1/1	0.83	0.13	142,142,142,142	0
56	MG	2a	1853	1/1	0.83	0.41	269,269,269,269	0
56	MG	1A	4812	1/1	0.83	0.30	72,72,72,72	0
56	MG	2a	1857	1/1	0.83	0.19	145,145,145,145	0
56	MG	2a	1612	1/1	0.83	0.32	141,141,141,141	0
56	MG	1A	4987	1/1	0.83	0.42	62,62,62,62	0
56	MG	2A	3842	1/1	0.83	0.25	99,99,99,99	0
56	MG	2A	3292	1/1	0.83	0.75	79,79,79,79	0
56	MG	2A	3298	1/1	0.83	0.58	94,94,94,94	0
56	MG	2A	3424	1/1	0.83	0.35	142,142,142,142	0
56	MG	1a	1775	1/1	0.83	0.32	131,131,131,131	0
56	MG	2B	207	1/1	0.83	1.03	161,161,161,161	0
56	MG	18	102	1/1	0.83	0.33	66,66,66,66	0
56	MG	2a	1894	1/1	0.83	0.47	151,151,151,151	0
56	MG	1A	4988	1/1	0.83	0.50	79,79,79,79	0
56	MG	1a	1662	1/1	0.83	0.37	123,123,123,123	0
56	MG	1A	4776	1/1	0.83	0.65	96,96,96,96	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
56	MG	2a	1749	1/1	0.83	0.39	115,115,115,115	0
56	MG	1A	4305	1/1	0.83	0.58	82,82,82,82	0
57	ZN	24	102	1/1	0.83	0.08	230,230,230,230	0
56	MG	2A	3222	1/1	0.84	0.54	112,112,112,112	0
56	MG	1A	4265	1/1	0.84	0.37	61,61,61,61	0
56	MG	2A	3381	1/1	0.84	0.23	98,98,98,98	0
56	MG	2N	201	1/1	0.84	0.48	113,113,113,113	0
56	MG	1a	1770	1/1	0.84	0.42	101,101,101,101	0
56	MG	1A	4396	1/1	0.84	0.26	72,72,72,72	0
56	MG	1T	205	1/1	0.84	0.30	109,109,109,109	0
56	MG	2f	301	1/1	0.84	0.70	138,138,138,138	0
56	MG	1A	4610	1/1	0.84	0.19	60,60,60,60	0
56	MG	2A	3516	1/1	0.84	0.67	82,82,82,82	0
56	MG	2a	1779	1/1	0.84	0.53	183,183,183,183	0
56	MG	1a	1626	1/1	0.84	0.68	98,98,98,98	0
56	MG	1A	4013	1/1	0.84	0.36	81,81,81,81	0
56	MG	1A	4403	1/1	0.84	0.36	62,62,62,62	0
56	MG	2Y	201	1/1	0.84	0.75	113,113,113,113	0
56	MG	2A	3255	1/1	0.84	0.21	126,126,126,126	0
56	MG	1a	1784	1/1	0.84	0.67	124,124,124,124	0
56	MG	1a	1869	1/1	0.84	0.09	226,226,226,226	0
56	MG	2A	3399	1/1	0.84	0.43	194,194,194,194	0
56	MG	1a	1678	1/1	0.84	0.21	162,162,162,162	0
56	MG	2i	201	1/1	0.84	0.58	245,245,245,245	0
56	MG	1i	201	1/1	0.84	0.38	212,212,212,212	0
56	MG	2A	3043	1/1	0.84	0.27	113,113,113,113	0
56	MG	1l	301	1/1	0.84	0.63	133,133,133,133	0
56	MG	2a	1691	1/1	0.84	0.55	139,139,139,139	0
56	MG	2A	3825	1/1	0.84	1.48	97,97,97,97	0
56	MG	2A	3058	1/1	0.84	0.24	85,85,85,85	0
56	MG	1a	1832	1/1	0.84	0.18	189,189,189,189	0
56	MG	2a	1699	1/1	0.84	0.41	138,138,138,138	0
56	MG	1A	4334	1/1	0.84	0.28	73,73,73,73	0
56	MG	2A	3418	1/1	0.84	0.48	117,117,117,117	0
56	MG	1A	4175	1/1	0.84	0.27	60,60,60,60	0
56	MG	1O	203	1/1	0.84	0.25	87,87,87,87	0
56	MG	1A	4435	1/1	0.84	0.20	65,65,65,65	0
56	MG	1s	101	1/1	0.84	1.12	216,216,216,216	0
56	MG	2A	3078	1/1	0.84	0.24	119,119,119,119	0
56	MG	2A	3082	1/1	0.84	0.30	126,126,126,126	0
56	MG	1A	4698	1/1	0.84	0.76	70,70,70,70	0
56	MG	1a	1902	1/1	0.84	0.56	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	1903	1/1	0.84	0.47	121,121,121,121	0
56	MG	2A	3196	1/1	0.84	0.52	92,92,92,92	0
56	MG	1A	4921	1/1	0.84	0.26	71,71,71,71	0
56	MG	2v	702	1/1	0.84	0.11	183,183,183,183	0
56	MG	2B	209	1/1	0.84	0.45	77,77,77,77	0
56	MG	2A	3462	1/1	0.84	0.76	104,104,104,104	0
56	MG	1A	4191	1/1	0.84	0.17	67,67,67,67	0
56	MG	1a	1754	1/1	0.84	0.29	100,100,100,100	0
56	MG	2A	3466	1/1	0.84	0.80	129,129,129,129	0
56	MG	2A	3099	1/1	0.84	0.14	152,152,152,152	0
56	MG	2B	220	1/1	0.84	0.16	140,140,140,140	0
56	MG	2A	3598	1/1	0.84	0.16	121,121,121,121	0
56	MG	2A	3605	1/1	0.84	0.19	105,105,105,105	0
56	MG	2a	1637	1/1	0.84	0.32	146,146,146,146	0
56	MG	2A	3607	1/1	0.84	0.16	127,127,127,127	0
56	MG	2a	1900	1/1	0.84	0.42	174,174,174,174	0
56	MG	2B	225	1/1	0.84	0.18	132,132,132,132	0
56	MG	1A	4314	1/1	0.84	0.46	107,107,107,107	0
56	MG	2A	3755	1/1	0.84	0.12	130,130,130,130	0
56	MG	2A	3473	1/1	0.84	0.63	131,131,131,131	0
56	MG	1A	4300	1/1	0.84	0.49	90,90,90,90	0
56	MG	2A	3008	1/1	0.84	0.58	94,94,94,94	0
56	MG	1A	4287	1/1	0.84	0.58	50,50,50,50	0
56	MG	2a	1879	1/1	0.85	0.53	150,150,150,150	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	3044	1/1	0.85	0.37	107,107,107,107	0
56	MG	2a	1886	1/1	0.85	0.38	147,147,147,147	0
56	MG	2A	3342	1/1	0.85	0.20	86,86,86,86	0
56	MG	2A	3183	1/1	0.85	0.47	124,124,124,124	0
56	MG	1A	4624	1/1	0.85	0.44	118,118,118,118	0
56	MG	2a	1727	1/1	0.85	0.34	124,124,124,124	0
56	MG	1A	4053	1/1	0.85	0.85	112,112,112,112	0
56	MG	1A	4860	1/1	0.85	0.27	59,59,59,59	0
56	MG	1a	1673	1/1	0.85	0.23	117,117,117,117	0
56	MG	1a	1839	1/1	0.85	0.18	146,146,146,146	0
56	MG	2a	1614	1/1	0.85	0.24	165,165,165,165	0
56	MG	1B	204	1/1	0.85	0.43	93,93,93,93	0
56	MG	2a	1738	1/1	0.85	0.62	138,138,138,138	0
56	MG	1A	4014	1/1	0.85	0.68	87,87,87,87	0
56	MG	2A	3201	1/1	0.85	0.38	115,115,115,115	0
56	MG	2A	3203	1/1	0.85	0.35	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	4431	1/1	0.85	0.29	72,72,72,72	0
56	MG	1A	4867	1/1	0.85	0.28	58,58,58,58	0
56	MG	1A	4875	1/1	0.85	0.22	71,71,71,71	0
56	MG	1B	220	1/1	0.85	0.27	79,79,79,79	0
56	MG	1a	1781	1/1	0.85	0.67	110,110,110,110	0
56	MG	2a	1632	1/1	0.85	0.17	137,137,137,137	0
56	MG	2A	3086	1/1	0.85	0.32	119,119,119,119	0
56	MG	1A	4532	1/1	0.85	0.27	45,45,45,45	0
56	MG	2B	212	1/1	0.85	0.47	156,156,156,156	0
56	MG	1A	4640	1/1	0.85	0.33	69,69,69,69	0
56	MG	1A	4644	1/1	0.85	0.34	65,65,65,65	0
56	MG	1A	4798	1/1	0.85	0.35	62,62,62,62	0
56	MG	2A	3243	1/1	0.85	0.26	109,109,109,109	0
56	MG	2A	3098	1/1	0.85	0.25	159,159,159,159	0
56	MG	2A	3565	1/1	0.85	0.28	102,102,102,102	0
56	MG	2A	3737	1/1	0.85	0.53	100,100,100,100	0
56	MG	1A	4037	1/1	0.85	0.70	89,89,89,89	0
56	MG	1a	1627	1/1	0.85	0.38	95,95,95,95	0
56	MG	2a	1777	1/1	0.85	0.68	117,117,117,117	0
56	MG	1A	4894	1/1	0.85	0.47	63,63,63,63	0
56	MG	2A	3743	1/1	0.85	0.43	83,83,83,83	0
56	MG	2a	1781	1/1	0.85	0.23	230,230,230,230	0
56	MG	1a	1630	1/1	0.85	0.84	108,108,108,108	0
56	MG	1A	4804	1/1	0.85	1.06	89,89,89,89	0
56	MG	1A	4298	1/1	0.85	0.51	76,76,76,76	0
56	MG	2D	302	1/1	0.85	0.31	80,80,80,80	0
56	MG	1a	1872	1/1	0.85	0.10	195,195,195,195	0
56	MG	2A	3262	1/1	0.85	0.73	73,73,73,73	0
56	MG	2A	3115	1/1	0.85	0.56	135,135,135,135	0
56	MG	2A	3430	1/1	0.85	0.62	73,73,73,73	0
56	MG	1a	1804	1/1	0.85	0.41	130,130,130,130	0
56	MG	2A	3759	1/1	0.85	0.42	232,232,232,232	0
56	MG	2a	1797	1/1	0.85	0.17	238,238,238,238	0
56	MG	1A	4707	1/1	0.85	0.31	73,73,73,73	0
56	MG	1a	1890	1/1	0.85	0.16	218,218,218,218	0
56	MG	1a	1893	1/1	0.85	0.30	98,98,98,98	0
56	MG	1A	5027	1/1	0.85	0.75	63,63,63,63	0
56	MG	1a	1644	1/1	0.85	0.71	120,120,120,120	0
56	MG	1A	4184	1/1	0.85	0.45	61,61,61,61	0
56	MG	1A	4818	1/1	0.85	0.32	69,69,69,69	0
56	MG	2A	3777	1/1	0.85	0.45	100,100,100,100	0
56	MG	1A	4711	1/1	0.85	0.27	78,78,78,78	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	1a	1737	1/1	0.85	0.59	74,74,74,74	0
56	MG	2a	1693	1/1	0.85	0.28	141,141,141,141	0
56	MG	1A	4461	1/1	0.85	0.26	78,78,78,78	0
56	MG	2A	3154	1/1	0.85	0.93	92,92,92,92	0
56	MG	2A	3791	1/1	0.85	0.36	93,93,93,93	0
56	MG	1a	1654	1/1	0.85	0.52	120,120,120,120	0
56	MG	2a	1847	1/1	0.85	0.26	160,160,160,160	0
56	MG	1A	4932	1/1	0.85	0.30	153,153,153,153	0
56	MG	1A	4832	1/1	0.85	0.68	71,71,71,71	0
56	MG	2a	1705	1/1	0.85	0.38	150,150,150,150	0
56	MG	1a	1747	1/1	0.85	0.34	149,149,149,149	0
56	MG	1A	4274	1/1	0.85	0.68	51,51,51,51	0
56	MG	1A	4356	1/1	0.85	0.33	75,75,75,75	0
56	MG	2A	3633	1/1	0.85	0.28	110,110,110,110	0
56	MG	1A	5058	1/1	0.85	0.49	100,100,100,100	0
56	MG	28	106	1/1	0.85	0.24	79,79,79,79	0
57	ZN	1n	103	1/1	0.85	0.09	212,212,212,212	0
56	MG	2a	1877	1/1	0.85	0.33	151,151,151,151	0
56	MG	2a	1878	1/1	0.85	0.55	115,115,115,115	0
57	ZN	2n	501	1/1	0.85	0.11	239,239,239,239	0
56	MG	2A	3634	1/1	0.86	0.34	104,104,104,104	0
56	MG	2P	201	1/1	0.86	0.37	100,100,100,100	0
56	MG	1A	4444	1/1	0.86	0.27	76,76,76,76	0
56	MG	2A	3519	1/1	0.86	0.20	91,91,91,91	0
56	MG	1Q	202	1/1	0.86	0.11	67,67,67,67	0
56	MG	1A	4908	1/1	0.86	0.23	64,64,64,64	0
56	MG	2A	3113	1/1	0.86	0.69	140,140,140,140	0
56	MG	1A	4915	1/1	0.86	0.28	85,85,85,85	0
56	MG	1A	4226	1/1	0.86	0.40	81,81,81,81	0
56	MG	2A	3646	1/1	0.86	0.51	110,110,110,110	0
56	MG	1A	4316	1/1	0.86	0.63	85,85,85,85	0
56	MG	2A	3017	1/1	0.86	0.29	111,111,111,111	0
56	MG	2A	3251	1/1	0.86	0.18	123,123,123,123	0
56	MG	1A	5044	1/1	0.86	0.83	52,52,52,52	0
56	MG	1a	1824	1/1	0.86	0.30	213,213,213,213	0
56	MG	2A	3541	1/1	0.86	0.64	123,123,123,123	0
56	MG	1a	1826	1/1	0.86	0.13	196,196,196,196	0
56	MG	1A	4548	1/1	0.86	0.82	131,131,131,131	0
56	MG	1A	4144	1/1	0.86	0.38	65,65,65,65	0
56	MG	1A	4051	1/1	0.86	0.80	100,100,100,100	0
56	MG	2A	3683	1/1	0.86	0.28	102,102,102,102	0
56	MG	1a	1758	1/1	0.86	0.14	111,111,111,111	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
56	MG	2A	3690	1/1	0.86	0.16	159,159,159,159	0
56	MG	2A	3270	1/1	0.86	0.48	98,98,98,98	0
56	MG	29	102	1/1	0.86	0.27	128,128,128,128	0
56	MG	1A	4841	1/1	0.86	0.48	103,103,103,103	0
56	MG	1A	4638	1/1	0.86	0.32	66,66,66,66	0
56	MG	1A	4551	1/1	0.86	0.40	69,69,69,69	0
56	MG	1A	4425	1/1	0.86	0.14	78,78,78,78	0
56	MG	1A	4490	1/1	0.86	0.34	89,89,89,89	0
56	MG	1A	4581	1/1	0.86	0.29	61,61,61,61	0
56	MG	1A	4778	1/1	0.86	0.19	71,71,71,71	0
56	MG	2a	1822	1/1	0.86	0.27	167,167,167,167	0
56	MG	1A	4650	1/1	0.86	0.42	63,63,63,63	0
56	MG	1A	4659	1/1	0.86	0.39	87,87,87,87	0
56	MG	1b	306	1/1	0.86	0.16	186,186,186,186	0
56	MG	1B	211	1/1	0.86	0.64	82,82,82,82	0
56	MG	2a	1839	1/1	0.86	0.08	241,241,241,241	0
56	MG	2B	214	1/1	0.86	0.25	145,145,145,145	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	1a	1783	1/1	0.86	0.25	135,135,135,135	0
56	MG	1A	4214	1/1	0.86	0.29	61,61,61,61	0
56	MG	2a	1731	1/1	0.86	0.36	103,103,103,103	0
56	MG	1A	4602	1/1	0.86	0.29	54,54,54,54	0
56	MG	1A	4526	1/1	0.86	0.32	54,54,54,54	0
56	MG	1m	202	1/1	0.86	0.07	211,211,211,211	0
56	MG	1A	4993	1/1	0.86	0.17	85,85,85,85	0
56	MG	1A	4890	1/1	0.86	0.60	114,114,114,114	0
56	MG	1E	303	1/1	0.86	0.61	62,62,62,62	0
56	MG	2a	1741	1/1	0.86	0.60	174,174,174,174	0
56	MG	1F	301	1/1	0.86	0.35	76,76,76,76	0
56	MG	1A	4531	1/1	0.86	0.34	68,68,68,68	0
56	MG	2a	1643	1/1	0.86	0.20	144,144,144,144	0
56	MG	2A	3355	1/1	0.86	0.26	89,89,89,89	0
56	MG	2A	3207	1/1	0.86	0.32	123,123,123,123	0
56	MG	2D	306	1/1	0.86	1.03	101,101,101,101	0
56	MG	1a	1712	1/1	0.86	0.49	114,114,114,114	0
56	MG	2a	1653	1/1	0.86	0.36	141,141,141,141	0
56	MG	1A	4170	1/1	0.86	0.52	61,61,61,61	0
56	MG	1A	4311	1/1	0.86	0.59	101,101,101,101	0
56	MG	2z	101	1/1	0.86	0.33	177,177,177,177	0
56	MG	2A	3382	1/1	0.86	0.30	101,101,101,101	0
56	MG	2a	1762	1/1	0.86	0.14	235,235,235,235	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	1A	5015	1/1	0.86	0.52	89,89,89,89	0
56	MG	2a	1764	1/1	0.86	0.33	270,270,270,270	0
56	MG	1A	4899	1/1	0.86	0.39	68,68,68,68	0
56	MG	2a	1907	1/1	0.86	0.23	256,256,256,256	0
56	MG	1A	4417	1/1	0.87	0.36	52,52,52,52	0
56	MG	1a	1692	1/1	0.87	0.24	129,129,129,129	0
56	MG	2a	1665	1/1	0.87	0.24	139,139,139,139	0
56	MG	1b	307	1/1	0.87	0.06	164,164,164,164	0
56	MG	1O	201	1/1	0.87	0.48	82,82,82,82	0
56	MG	2A	3185	1/1	0.87	0.45	95,95,95,95	0
56	MG	2A	3332	1/1	0.87	0.28	97,97,97,97	0
56	MG	1A	4136	1/1	0.87	0.66	92,92,92,92	0
56	MG	1A	4779	1/1	0.87	0.23	68,68,68,68	0
56	MG	2Q	204	1/1	0.87	0.54	118,118,118,118	0
56	MG	1A	4119	1/1	0.87	0.41	74,74,74,74	0
56	MG	1A	5042	1/1	0.87	0.23	77,77,77,77	0
56	MG	1a	1795	1/1	0.87	0.47	107,107,107,107	0
56	MG	1A	4636	1/1	0.87	0.35	64,64,64,64	0
56	MG	1a	1641	1/1	0.87	0.22	124,124,124,124	0
56	MG	2A	3492	1/1	0.87	0.35	120,120,120,120	0
56	MG	1A	4866	1/1	0.87	0.34	69,69,69,69	0
56	MG	1a	1723	1/1	0.87	0.45	118,118,118,118	0
56	MG	1A	4003	1/1	0.87	0.50	53,53,53,53	0
56	MG	1A	4390	1/1	0.87	0.31	82,82,82,82	0
56	MG	2a	1793	1/1	0.87	0.20	251,251,251,251	0
56	MG	1A	4956	1/1	0.87	0.25	71,71,71,71	0
56	MG	1a	1647	1/1	0.87	0.73	118,118,118,118	0
56	MG	2A	3373	1/1	0.87	0.39	93,93,93,93	0
56	MG	1A	4743	1/1	0.87	0.16	74,74,74,74	0
56	MG	2A	3100	1/1	0.87	0.22	152,152,152,152	0
56	MG	1A	4799	1/1	0.87	0.47	87,87,87,87	0
56	MG	2A	3523	1/1	0.87	0.28	100,100,100,100	0
56	MG	2A	3524	1/1	0.87	0.32	103,103,103,103	0
56	MG	2A	3526	1/1	0.87	0.09	106,106,106,106	0
56	MG	1A	4436	1/1	0.87	0.25	64,64,64,64	0
56	MG	2l	203	1/1	0.87	0.56	129,129,129,129	0
56	MG	1A	4032	1/1	0.87	0.25	55,55,55,55	0
56	MG	2A	3233	1/1	0.87	0.31	101,101,101,101	0
56	MG	2A	3666	1/1	0.87	0.37	101,101,101,101	0
56	MG	1a	1894	1/1	0.87	0.72	132,132,132,132	0
56	MG	2A	3109	1/1	0.87	0.23	137,137,137,137	0
56	MG	1y	104	1/1	0.87	0.31	99,99,99,99	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	1W	201	1/1	0.87	0.30	72,72,72,72	0
56	MG	1A	4155	1/1	0.87	0.37	60,60,60,60	0
56	MG	1A	4024	1/1	0.87	0.46	78,78,78,78	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	1A	4986	1/1	0.87	0.77	64,64,64,64	0
56	MG	1A	4759	1/1	0.87	0.38	74,74,74,74	0
56	MG	2A	3549	1/1	0.87	0.50	96,96,96,96	0
56	MG	1A	4655	1/1	0.87	0.54	82,82,82,82	0
56	MG	1a	1757	1/1	0.87	0.61	107,107,107,107	0
56	MG	2a	1866	1/1	0.87	0.26	138,138,138,138	0
56	MG	1a	1905	1/1	0.87	0.75	108,108,108,108	0
56	MG	1A	4656	1/1	0.87	0.42	80,80,80,80	0
56	MG	1A	4455	1/1	0.87	0.27	75,75,75,75	0
56	MG	2A	3417	1/1	0.87	0.22	117,117,117,117	0
56	MG	1B	219	1/1	0.87	0.15	77,77,77,77	0
56	MG	1A	4824	1/1	0.87	0.21	81,81,81,81	0
56	MG	1B	221	1/1	0.87	0.57	98,98,98,98	0
56	MG	1A	4459	1/1	0.87	0.17	72,72,72,72	0
56	MG	2a	1883	1/1	0.87	0.41	131,131,131,131	0
56	MG	2a	1752	1/1	0.87	0.25	134,134,134,134	0
56	MG	1A	4101	1/1	0.87	0.53	45,45,45,45	0
56	MG	1A	4671	1/1	0.87	0.47	65,65,65,65	0
56	MG	2A	3287	1/1	0.87	0.73	104,104,104,104	0
56	MG	2A	3432	1/1	0.87	0.67	93,93,93,93	0
56	MG	1A	4357	1/1	0.87	0.37	78,78,78,78	0
56	MG	2A	3584	1/1	0.87	0.12	114,114,114,114	0
56	MG	1A	4850	1/1	0.87	0.37	76,76,76,76	0
57	ZN	14	501	1/1	0.87	0.07	172,172,172,172	0
56	MG	2A	3169	1/1	0.87	0.65	81,81,81,81	0
56	MG	1a	1842	1/1	0.87	0.11	78,78,78,78	0
56	MG	2E	305	1/1	0.87	0.14	121,121,121,121	0
56	MG	1E	305	1/1	0.87	0.91	69,69,69,69	0
59	GDP	2v	704	28/28	0.87	0.19	186,186,186,186	0
56	MG	2A	3715	1/1	0.88	0.22	109,109,109,109	0
56	MG	1A	4336	1/1	0.88	0.23	62,62,62,62	0
56	MG	1A	4929	1/1	0.88	0.44	201,201,201,201	0
56	MG	1A	4243	1/1	0.88	0.55	65,65,65,65	0
56	MG	1A	4676	1/1	0.88	0.76	101,101,101,101	0
56	MG	2a	1875	1/1	0.88	0.64	154,154,154,154	0
56	MG	1A	4603	1/1	0.88	0.34	67,67,67,67	0
56	MG	1a	1604	1/1	0.88	0.24	98,98,98,98	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	1A	4753	1/1	0.88	0.26	62,62,62,62	0
56	MG	1a	1607	1/1	0.88	0.33	86,86,86,86	0
56	MG	1a	1609	1/1	0.88	0.19	88,88,88,88	0
56	MG	2Q	205	1/1	0.88	1.05	129,129,129,129	0
56	MG	2A	3362	1/1	0.88	0.12	99,99,99,99	0
56	MG	2A	3364	1/1	0.88	0.39	84,84,84,84	0
56	MG	1A	4257	1/1	0.88	0.45	64,64,64,64	0
56	MG	2A	3371	1/1	0.88	0.18	113,113,113,113	0
56	MG	2a	1889	1/1	0.88	0.97	127,127,127,127	0
56	MG	2a	1892	1/1	0.88	0.74	142,142,142,142	0
56	MG	2A	3035	1/1	0.88	0.45	116,116,116,116	0
56	MG	1A	4679	1/1	0.88	0.15	80,80,80,80	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	2a	1726	1/1	0.88	0.46	108,108,108,108	0
56	MG	2a	1902	1/1	0.88	0.54	248,248,248,248	0
56	MG	2a	1903	1/1	0.88	0.67	246,246,246,246	0
56	MG	2A	3051	1/1	0.88	1.54	104,104,104,104	0
56	MG	1a	1817	1/1	0.88	0.22	148,148,148,148	0
56	MG	1A	4605	1/1	0.88	0.29	64,64,64,64	0
56	MG	2A	3197	1/1	0.88	0.18	93,93,93,93	0
56	MG	1A	4682	1/1	0.88	0.99	116,116,116,116	0
56	MG	2A	3064	1/1	0.88	0.36	75,75,75,75	0
56	MG	1A	4045	1/1	0.88	0.35	68,68,68,68	0
56	MG	2A	3769	1/1	0.88	0.59	90,90,90,90	0
56	MG	1A	4085	1/1	0.88	0.30	67,67,67,67	0
56	MG	1A	4863	1/1	0.88	0.35	62,62,62,62	0
56	MG	2A	3776	1/1	0.88	0.41	97,97,97,97	0
56	MG	1D	302	1/1	0.88	0.34	57,57,57,57	0
56	MG	1a	1631	1/1	0.88	0.35	126,126,126,126	0
56	MG	2a	1603	1/1	0.88	0.22	151,151,151,151	0
56	MG	1a	1919	1/1	0.88	0.52	144,144,144,144	0
56	MG	2A	3401	1/1	0.88	0.12	89,89,89,89	0
56	MG	2f	303	1/1	0.88	0.35	135,135,135,135	0
56	MG	1A	4086	1/1	0.88	0.37	68,68,68,68	0
56	MG	2a	1755	1/1	0.88	0.10	168,168,168,168	0
56	MG	1A	4371	1/1	0.88	0.29	74,74,74,74	0
56	MG	2A	3220	1/1	0.88	0.27	115,115,115,115	0
56	MG	2A	3794	1/1	0.88	0.25	113,113,113,113	0
56	MG	1A	4874	1/1	0.88	0.67	87,87,87,87	0
56	MG	1A	4199	1/1	0.88	0.22	218,218,218,218	0
56	MG	2a	1615	1/1	0.88	0.30	145,145,145,145	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	1A	4200	1/1	0.88	0.23	69,69,69,69	0
56	MG	2A	3232	1/1	0.88	0.36	95,95,95,95	0
56	MG	2A	3090	1/1	0.88	0.20	110,110,110,110	0
56	MG	1A	4375	1/1	0.88	0.31	65,65,65,65	0
56	MG	1A	5004	1/1	0.88	0.37	89,89,89,89	0
56	MG	2A	3096	1/1	0.88	0.36	98,98,98,98	0
56	MG	1A	4386	1/1	0.88	0.15	64,64,64,64	0
56	MG	1A	4887	1/1	0.88	0.31	67,67,67,67	0
56	MG	2A	3247	1/1	0.88	0.44	113,113,113,113	0
56	MG	2a	1630	1/1	0.88	0.66	123,123,123,123	0
56	MG	1A	4034	1/1	0.88	0.63	69,69,69,69	0
56	MG	1A	4783	1/1	0.88	0.47	70,70,70,70	0
56	MG	2l	205	1/1	0.88	0.27	148,148,148,148	0
56	MG	2A	3250	1/1	0.88	0.59	158,158,158,158	0
56	MG	1a	1760	1/1	0.88	0.23	114,114,114,114	0
56	MG	2A	3102	1/1	0.88	0.24	144,144,144,144	0
56	MG	1A	4393	1/1	0.88	0.33	84,84,84,84	0
56	MG	1A	4151	1/1	0.88	0.32	60,60,60,60	0
56	MG	2p	101	1/1	0.88	0.12	154,154,154,154	0
56	MG	1a	1657	1/1	0.88	0.24	106,106,106,106	0
56	MG	1A	4320	1/1	0.88	0.80	91,91,91,91	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	1A	4642	1/1	0.88	0.30	67,67,67,67	0
56	MG	2A	3468	1/1	0.88	0.59	85,85,85,85	0
56	MG	1A	4221	1/1	0.88	0.63	71,71,71,71	0
56	MG	1a	1858	1/1	0.88	0.09	210,210,210,210	0
56	MG	2A	3119	1/1	0.88	0.68	113,113,113,113	0
56	MG	2A	3120	1/1	0.88	0.62	120,120,120,120	0
56	MG	2A	3285	1/1	0.88	0.25	101,101,101,101	0
56	MG	1T	201	1/1	0.88	0.34	66,66,66,66	0
56	MG	2A	3658	1/1	0.88	0.66	112,112,112,112	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	3132	1/1	0.88	0.28	141,141,141,141	0
56	MG	1A	4905	1/1	0.88	0.26	65,65,65,65	0
56	MG	1A	4559	1/1	0.88	0.40	60,60,60,60	0
56	MG	1A	5047	1/1	0.88	0.32	89,89,89,89	0
56	MG	1A	4039	1/1	0.88	0.16	79,79,79,79	0
56	MG	2A	3308	1/1	0.88	0.76	100,100,100,100	0
56	MG	1A	4507	1/1	0.88	0.30	106,106,106,106	0
56	MG	2B	228	1/1	0.88	0.17	145,145,145,145	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	2a	1837	1/1	0.88	0.10	240,240,240,240	0
56	MG	1a	1791	1/1	0.88	0.25	116,116,116,116	0
56	MG	1A	4228	1/1	0.88	0.52	109,109,109,109	0
56	MG	2a	1840	1/1	0.88	0.09	228,228,228,228	0
56	MG	2a	1681	1/1	0.88	0.36	165,165,165,165	0
56	MG	1A	4190	1/1	0.88	0.29	68,68,68,68	0
56	MG	2A	3693	1/1	0.88	0.46	86,86,86,86	0
56	MG	2A	3153	1/1	0.88	0.69	80,80,80,80	0
56	MG	2A	3699	1/1	0.88	0.43	107,107,107,107	0
56	MG	1A	4587	1/1	0.88	0.33	72,72,72,72	0
56	MG	1a	1891	1/1	0.88	0.21	89,89,89,89	0
56	MG	1a	1871	1/1	0.89	0.10	199,199,199,199	0
56	MG	2A	3339	1/1	0.89	0.55	72,72,72,72	0
56	MG	2A	3697	1/1	0.89	0.70	128,128,128,128	0
56	MG	2a	1862	1/1	0.89	0.77	155,155,155,155	0
56	MG	2A	3698	1/1	0.89	0.34	108,108,108,108	0
56	MG	1E	308	1/1	0.89	0.50	68,68,68,68	0
56	MG	2E	304	1/1	0.89	0.34	71,71,71,71	0
56	MG	2A	3704	1/1	0.89	0.28	95,95,95,95	0
56	MG	1A	4445	1/1	0.89	0.16	73,73,73,73	0
56	MG	1A	4447	1/1	0.89	0.24	65,65,65,65	0
56	MG	1A	4450	1/1	0.89	0.16	75,75,75,75	0
56	MG	1A	4999	1/1	0.89	0.79	62,62,62,62	0
56	MG	2A	3718	1/1	0.89	0.54	129,129,129,129	0
56	MG	2A	3032	1/1	0.89	0.79	108,108,108,108	0
56	MG	2A	3720	1/1	0.89	0.10	122,122,122,122	0
56	MG	1A	5002	1/1	0.89	0.81	61,61,61,61	0
56	MG	1P	201	1/1	0.89	0.46	53,53,53,53	0
56	MG	1A	4383	1/1	0.89	0.26	65,65,65,65	0
56	MG	1A	4186	1/1	0.89	0.47	59,59,59,59	0
56	MG	2a	1888	1/1	0.89	0.32	136,136,136,136	0
56	MG	1a	1788	1/1	0.89	1.09	118,118,118,118	0
56	MG	2A	3369	1/1	0.89	0.14	84,84,84,84	0
56	MG	1A	4132	1/1	0.89	0.56	61,61,61,61	0
56	MG	2A	3198	1/1	0.89	0.53	100,100,100,100	0
56	MG	2a	1897	1/1	0.89	1.12	153,153,153,153	0
56	MG	1A	4116	1/1	0.89	0.16	65,65,65,65	0
56	MG	2A	3374	1/1	0.89	0.17	102,102,102,102	0
56	MG	2Z	402	1/1	0.89	1.17	120,120,120,120	0
56	MG	1A	4629	1/1	0.89	0.24	71,71,71,71	0
56	MG	1A	4349	1/1	0.89	0.32	54,54,54,54	0
56	MG	2a	1730	1/1	0.89	0.14	127,127,127,127	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
56	MG	1a	1904	1/1	0.89	0.57	83,83,83,83	0
56	MG	1A	5021	1/1	0.89	0.20	81,81,81,81	0
56	MG	2A	3558	1/1	0.89	0.78	93,93,93,93	0
56	MG	1A	4350	1/1	0.89	0.39	68,68,68,68	0
56	MG	1A	5025	1/1	0.89	0.33	75,75,75,75	0
56	MG	2a	1736	1/1	0.89	0.30	137,137,137,137	0
56	MG	1a	1680	1/1	0.89	0.14	155,155,155,155	0
56	MG	26	101	1/1	0.89	0.93	121,121,121,121	0
56	MG	2a	1740	1/1	0.89	0.11	143,143,143,143	0
56	MG	26	103	1/1	0.89	0.57	119,119,119,119	0
56	MG	2a	1744	1/1	0.89	0.64	95,95,95,95	0
56	MG	2d	302	1/1	0.89	0.13	164,164,164,164	0
56	MG	2d	304	1/1	0.89	0.28	161,161,161,161	0
56	MG	1A	4892	1/1	0.89	0.53	72,72,72,72	0
56	MG	2A	3216	1/1	0.89	0.11	100,100,100,100	0
56	MG	1U	201	1/1	0.89	0.24	61,61,61,61	0
56	MG	1A	4545	1/1	0.89	0.23	65,65,65,65	0
56	MG	1A	4481	1/1	0.89	0.53	78,78,78,78	0
56	MG	1A	4398	1/1	0.89	0.23	75,75,75,75	0
56	MG	1A	4240	1/1	0.89	0.24	60,60,60,60	0
56	MG	2A	3229	1/1	0.89	0.58	73,73,73,73	0
56	MG	2A	3230	1/1	0.89	0.23	87,87,87,87	0
56	MG	2A	3780	1/1	0.89	0.30	90,90,90,90	0
56	MG	2A	3088	1/1	0.89	0.21	72,72,72,72	0
56	MG	1A	4491	1/1	0.89	0.40	86,86,86,86	0
56	MG	1a	1918	1/1	0.89	0.52	142,142,142,142	0
56	MG	1a	1691	1/1	0.89	0.47	117,117,117,117	0
56	MG	1A	4318	1/1	0.89	0.59	81,81,81,81	0
56	MG	2A	3599	1/1	0.89	0.26	122,122,122,122	0
56	MG	1a	1694	1/1	0.89	0.43	125,125,125,125	0
56	MG	2A	3606	1/1	0.89	0.23	137,137,137,137	0
56	MG	1A	4645	1/1	0.89	0.31	66,66,66,66	0
56	MG	1A	5050	1/1	0.89	0.24	173,173,173,173	0
56	MG	1A	4279	1/1	0.89	0.31	64,64,64,64	0
56	MG	2a	1770	1/1	0.89	0.41	237,237,237,237	0
56	MG	1A	4406	1/1	0.89	0.48	56,56,56,56	0
56	MG	1A	4566	1/1	0.89	0.25	58,58,58,58	0
56	MG	2a	1774	1/1	0.89	0.25	220,220,220,220	0
56	MG	1A	4568	1/1	0.89	0.34	56,56,56,56	0
56	MG	2a	1626	1/1	0.89	0.44	157,157,157,157	0
56	MG	1A	4359	1/1	0.89	0.17	71,71,71,71	0
56	MG	1a	1710	1/1	0.89	0.34	115,115,115,115	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
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	1A	4135	1/1	0.89	0.21	78,78,78,78	0
56	MG	1A	4673	1/1	0.89	0.53	94,94,94,94	0
56	MG	1a	1613	1/1	0.89	0.19	91,91,91,91	0
56	MG	1A	4940	1/1	0.89	0.29	55,55,55,55	0
56	MG	2A	3460	1/1	0.89	0.86	106,106,106,106	0
56	MG	1A	4854	1/1	0.89	0.27	81,81,81,81	0
56	MG	2s	101	1/1	0.89	0.26	250,250,250,250	0
56	MG	2A	3277	1/1	0.89	0.16	88,88,88,88	0
56	MG	2A	3281	1/1	0.89	0.32	104,104,104,104	0
56	MG	1A	4855	1/1	0.89	0.20	59,59,59,59	0
56	MG	1B	208	1/1	0.89	0.34	94,94,94,94	0
56	MG	2a	1795	1/1	0.89	0.37	111,111,111,111	0
56	MG	1B	209	1/1	0.89	0.51	89,89,89,89	0
56	MG	1A	4857	1/1	0.89	0.68	61,61,61,61	0
56	MG	2a	1656	1/1	0.89	0.09	145,145,145,145	0
56	MG	1A	4954	1/1	0.89	0.26	62,62,62,62	0
56	MG	1A	4509	1/1	0.89	0.24	62,62,62,62	0
56	MG	2A	3648	1/1	0.89	0.42	137,137,137,137	0
56	MG	1A	4217	1/1	0.89	0.26	59,59,59,59	0
56	MG	2A	3650	1/1	0.89	0.20	115,115,115,115	0
56	MG	1A	4432	1/1	0.89	0.20	95,95,95,95	0
56	MG	1A	4244	1/1	0.89	0.40	51,51,51,51	0
56	MG	1A	4968	1/1	0.89	0.69	82,82,82,82	0
56	MG	2A	3147	1/1	0.89	0.43	82,82,82,82	0
56	MG	1a	1640	1/1	0.89	0.39	115,115,115,115	0
56	MG	1A	4080	1/1	0.89	0.36	55,55,55,55	0
56	MG	2A	3310	1/1	0.89	0.57	117,117,117,117	0
56	MG	1D	303	1/1	0.89	0.60	82,82,82,82	0
56	MG	2B	222	1/1	0.89	0.23	133,133,133,133	0
56	MG	2A	3678	1/1	0.89	0.38	100,100,100,100	0
56	MG	1a	1764	1/1	0.89	0.35	121,121,121,121	0
56	MG	1A	4380	1/1	0.89	0.29	56,56,56,56	0
56	MG	1A	4984	1/1	0.89	0.25	87,87,87,87	0
56	MG	1A	4684	1/1	0.89	0.56	52,52,52,52	0
56	MG	1A	4687	1/1	0.89	0.20	88,88,88,88	0
56	MG	1A	4868	1/1	0.89	0.17	62,62,62,62	0
56	MG	1A	4321	1/1	0.90	0.36	102,102,102,102	0
56	MG	2A	3684	1/1	0.90	0.22	94,94,94,94	0
56	MG	1A	4098	1/1	0.90	0.28	53,53,53,53	0
56	MG	2a	1856	1/1	0.90	0.22	147,147,147,147	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
56	MG	2A	3192	1/1	0.90	0.13	99,99,99,99	0
56	MG	2A	3055	1/1	0.90	0.29	102,102,102,102	0
56	MG	1A	4100	1/1	0.90	0.34	66,66,66,66	0
56	MG	1A	4586	1/1	0.90	0.21	73,73,73,73	0
56	MG	2a	1867	1/1	0.90	0.51	79,79,79,79	0
56	MG	1a	1619	1/1	0.90	0.39	95,95,95,95	0
56	MG	2D	303	1/1	0.90	0.22	109,109,109,109	0
56	MG	2a	1870	1/1	0.90	0.21	108,108,108,108	0
56	MG	2a	1872	1/1	0.90	0.58	120,120,120,120	0
56	MG	2A	3530	1/1	0.90	0.13	133,133,133,133	0
56	MG	1A	4886	1/1	0.90	0.52	67,67,67,67	0
56	MG	1A	4066	1/1	0.90	0.34	98,98,98,98	0
56	MG	2a	1698	1/1	0.90	0.39	118,118,118,118	0
56	MG	2A	3067	1/1	0.90	0.32	123,123,123,123	0
56	MG	1A	4589	1/1	0.90	0.29	79,79,79,79	0
56	MG	1A	4131	1/1	0.90	0.34	56,56,56,56	0
56	MG	2A	3075	1/1	0.90	0.08	142,142,142,142	0
56	MG	1a	1719	1/1	0.90	0.98	102,102,102,102	0
56	MG	2a	1707	1/1	0.90	0.18	85,85,85,85	0
56	MG	2A	3540	1/1	0.90	0.28	148,148,148,148	0
56	MG	1A	4529	1/1	0.90	0.91	68,68,68,68	0
56	MG	1A	4660	1/1	0.90	0.68	84,84,84,84	0
56	MG	2A	3727	1/1	0.90	0.60	90,90,90,90	0
56	MG	2a	1890	1/1	0.90	0.31	125,125,125,125	0
56	MG	2A	3377	1/1	0.90	0.50	116,116,116,116	0
56	MG	1A	4661	1/1	0.90	0.61	80,80,80,80	0
56	MG	1E	302	1/1	0.90	0.19	59,59,59,59	0
56	MG	1A	4154	1/1	0.90	0.17	68,68,68,68	0
56	MG	1b	303	1/1	0.90	0.08	166,166,166,166	0
56	MG	1A	4811	1/1	0.90	0.81	63,63,63,63	0
56	MG	1A	4376	1/1	0.90	0.28	61,61,61,61	0
56	MG	2A	3744	1/1	0.90	0.16	105,105,105,105	0
56	MG	1A	4377	1/1	0.90	0.29	80,80,80,80	0
56	MG	1H	201	1/1	0.90	0.24	69,69,69,69	0
56	MG	1A	5019	1/1	0.90	0.47	75,75,75,75	0
56	MG	1A	4606	1/1	0.90	0.33	67,67,67,67	0
56	MG	2A	3571	1/1	0.90	0.29	172,172,172,172	0
56	MG	1A	4050	1/1	0.90	0.69	100,100,100,100	0
56	MG	20	102	1/1	0.90	0.46	116,116,116,116	0
56	MG	2a	1911	1/1	0.90	0.10	140,140,140,140	0
56	MG	1A	4224	1/1	0.90	0.37	64,64,64,64	0
56	MG	1A	4748	1/1	0.90	0.36	90,90,90,90	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
56	MG	2I	101	1/1	0.90	0.18	110,110,110,110	0
56	MG	1A	4543	1/1	0.90	0.39	83,83,83,83	0
56	MG	1a	1651	1/1	0.90	0.17	121,121,121,121	0
56	MG	1A	5031	1/1	0.90	0.28	88,88,88,88	0
56	MG	2A	3104	1/1	0.90	0.35	53,53,53,53	0
56	MG	1A	4835	1/1	0.90	0.23	63,63,63,63	0
56	MG	2a	1747	1/1	0.90	0.20	122,122,122,122	0
56	MG	1a	1761	1/1	0.90	0.36	112,112,112,112	0
56	MG	1A	4752	1/1	0.90	0.34	63,63,63,63	0
56	MG	1p	101	1/1	0.90	0.18	143,143,143,143	0
56	MG	1A	4925	1/1	0.90	0.17	72,72,72,72	0
56	MG	2A	3774	1/1	0.90	0.46	116,116,116,116	0
56	MG	2A	3595	1/1	0.90	0.09	147,147,147,147	0
56	MG	1a	1658	1/1	0.90	0.20	114,114,114,114	0
56	MG	1A	4847	1/1	0.90	0.37	72,72,72,72	0
56	MG	2A	3260	1/1	0.90	0.33	78,78,78,78	0
56	MG	1A	4499	1/1	0.90	1.38	59,59,59,59	0
56	MG	2A	3425	1/1	0.90	0.38	102,102,102,102	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	1A	4757	1/1	0.90	0.88	119,119,119,119	0
56	MG	2A	3121	1/1	0.90	0.43	125,125,125,125	0
56	MG	1A	4501	1/1	0.90	0.35	71,71,71,71	0
56	MG	2A	3797	1/1	0.90	0.36	97,97,97,97	0
56	MG	1A	4625	1/1	0.90	0.56	118,118,118,118	0
56	MG	1U	203	1/1	0.90	0.27	64,64,64,64	0
56	MG	1a	1866	1/1	0.90	0.20	224,224,224,224	0
56	MG	2k	202	1/1	0.90	0.18	124,124,124,124	0
56	MG	2A	3006	1/1	0.90	0.62	101,101,101,101	0
56	MG	2A	3456	1/1	0.90	0.40	83,83,83,83	0
56	MG	2A	3806	1/1	0.90	0.26	114,114,114,114	0
56	MG	1A	4160	1/1	0.90	0.21	50,50,50,50	0
56	MG	2A	3009	1/1	0.90	0.61	94,94,94,94	0
56	MG	1A	4943	1/1	0.90	0.51	61,61,61,61	0
56	MG	2A	3821	1/1	0.90	0.28	89,89,89,89	0
56	MG	2A	3288	1/1	0.90	0.47	102,102,102,102	0
56	MG	1A	4947	1/1	0.90	0.25	71,71,71,71	0
56	MG	1A	4628	1/1	0.90	0.26	77,77,77,77	0
56	MG	2A	3297	1/1	0.90	0.80	80,80,80,80	0
56	MG	1A	4949	1/1	0.90	0.29	69,69,69,69	0
56	MG	1a	1880	1/1	0.90	0.15	125,125,125,125	0
56	MG	1a	1882	1/1	0.90	0.29	87,87,87,87	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
56	MG	2A	3474	1/1	0.90	0.62	125,125,125,125	0
56	MG	2a	1645	1/1	0.90	0.15	124,124,124,124	0
56	MG	2A	3644	1/1	0.90	0.16	155,155,155,155	0
56	MG	2A	3835	1/1	0.90	0.31	121,121,121,121	0
56	MG	2A	3836	1/1	0.90	0.30	205,205,205,205	0
56	MG	2u	102	1/1	0.90	0.12	241,241,241,241	0
56	MG	2a	1650	1/1	0.90	0.37	136,136,136,136	0
56	MG	1A	4008	1/1	0.90	0.28	71,71,71,71	0
56	MG	1a	1790	1/1	0.90	0.48	87,87,87,87	0
56	MG	2A	3850	1/1	0.90	0.23	109,109,109,109	0
56	MG	2A	3478	1/1	0.90	0.52	127,127,127,127	0
56	MG	2A	3157	1/1	0.90	0.36	102,102,102,102	0
56	MG	1l	101	1/1	0.90	0.84	87,87,87,87	0
56	MG	1A	5060	1/1	0.90	0.52	64,64,64,64	0
56	MG	1A	4239	1/1	0.90	0.22	56,56,56,56	0
56	MG	2a	1806	1/1	0.90	0.23	116,116,116,116	0
56	MG	2a	1807	1/1	0.90	0.26	122,122,122,122	0
56	MG	1A	4955	1/1	0.90	0.31	72,72,72,72	0
56	MG	1A	4449	1/1	0.90	0.23	79,79,79,79	0
56	MG	2A	3500	1/1	0.90	0.33	93,93,93,93	0
56	MG	1A	4061	1/1	0.90	0.41	71,71,71,71	0
56	MG	2A	3671	1/1	0.90	0.23	85,85,85,85	0
56	MG	2A	3504	1/1	0.90	0.30	134,134,134,134	0
56	MG	1A	4451	1/1	0.90	0.22	70,70,70,70	0
56	MG	1A	4198	1/1	0.90	0.51	98,98,98,98	0
56	MG	2A	3676	1/1	0.90	0.61	125,125,125,125	0
56	MG	2B	219	1/1	0.90	0.51	77,77,77,77	0
56	MG	2A	3677	1/1	0.90	0.73	115,115,115,115	0
56	MG	2a	1841	1/1	0.90	0.36	224,224,224,224	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	2A	3038	1/1	0.90	0.67	69,69,69,69	0
56	MG	1A	4123	1/1	0.90	0.40	77,77,77,77	0
56	MG	2A	3236	1/1	0.91	0.48	96,96,96,96	0
56	MG	1A	5062	1/1	0.91	0.57	87,87,87,87	0
56	MG	1B	201	1/1	0.91	1.00	106,106,106,106	0
56	MG	1A	4957	1/1	0.91	0.33	79,79,79,79	0
56	MG	2A	3708	1/1	0.91	0.32	100,100,100,100	0
56	MG	2A	3712	1/1	0.91	0.49	92,92,92,92	0
56	MG	1A	4011	1/1	0.91	0.36	70,70,70,70	0
56	MG	2a	1690	1/1	0.91	0.40	155,155,155,155	0
56	MG	2A	3394	1/1	0.91	0.07	131,131,131,131	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	1a	1683	1/1	0.91	0.39	83,83,83,83	0
56	MG	1a	1873	1/1	0.91	0.08	214,214,214,214	0
56	MG	1A	4230	1/1	0.91	0.17	102,102,102,102	0
56	MG	2A	3551	1/1	0.91	0.22	104,104,104,104	0
56	MG	1A	4120	1/1	0.91	0.56	79,79,79,79	0
56	MG	2A	3400	1/1	0.91	0.39	225,225,225,225	0
56	MG	1A	4879	1/1	0.91	0.28	77,77,77,77	0
56	MG	1A	4585	1/1	0.91	0.30	65,65,65,65	0
56	MG	2A	3736	1/1	0.91	0.60	108,108,108,108	0
56	MG	2A	3560	1/1	0.91	0.31	95,95,95,95	0
56	MG	1A	4784	1/1	0.91	0.31	87,87,87,87	0
56	MG	2A	3564	1/1	0.91	0.15	102,102,102,102	0
56	MG	1a	1690	1/1	0.91	0.14	124,124,124,124	0
56	MG	1A	4708	1/1	0.91	0.34	70,70,70,70	0
56	MG	2a	1712	1/1	0.91	0.67	148,148,148,148	0
56	MG	1A	4460	1/1	0.91	0.13	77,77,77,77	0
56	MG	1B	213	1/1	0.91	0.71	88,88,88,88	0
56	MG	1A	4368	1/1	0.91	0.18	63,63,63,63	0
56	MG	2a	1717	1/1	0.91	0.24	143,143,143,143	0
56	MG	1B	216	1/1	0.91	0.45	69,69,69,69	0
56	MG	2A	3575	1/1	0.91	0.46	70,70,70,70	0
56	MG	1A	4463	1/1	0.91	0.26	62,62,62,62	0
56	MG	2A	3419	1/1	0.91	0.47	135,135,135,135	0
56	MG	2a	1896	1/1	0.91	0.56	98,98,98,98	0
56	MG	2A	3420	1/1	0.91	0.33	121,121,121,121	0
56	MG	2A	3581	1/1	0.91	0.18	116,116,116,116	0
56	MG	1A	4652	1/1	0.91	0.45	84,84,84,84	0
56	MG	1A	4592	1/1	0.91	0.18	90,90,90,90	0
56	MG	1A	4370	1/1	0.91	0.25	61,61,61,61	0
56	MG	2A	3150	1/1	0.91	0.40	105,105,105,105	0
56	MG	2A	3765	1/1	0.91	0.13	120,120,120,120	0
56	MG	1A	4472	1/1	0.91	0.40	54,54,54,54	0
56	MG	1A	4724	1/1	0.91	0.29	80,80,80,80	0
56	MG	1A	5003	1/1	0.91	0.27	65,65,65,65	0
56	MG	1a	1718	1/1	0.91	0.79	107,107,107,107	0
56	MG	24	101	1/1	0.91	0.11	73,73,73,73	0
56	MG	2A	3037	1/1	0.91	0.81	104,104,104,104	0
56	MG	2A	3156	1/1	0.91	0.40	100,100,100,100	0
56	MG	1A	4072	1/1	0.91	0.21	63,63,63,63	0
56	MG	2A	3448	1/1	0.91	0.83	78,78,78,78	0
56	MG	2a	1920	1/1	0.91	0.19	222,222,222,222	0
56	MG	2A	3040	1/1	0.91	0.34	116,116,116,116	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
56	MG	28	105	1/1	0.91	0.40	119,119,119,119	0
56	MG	2A	3041	1/1	0.91	0.34	117,117,117,117	0
56	MG	2A	3782	1/1	0.91	0.61	139,139,139,139	0
56	MG	1A	4028	1/1	0.91	0.34	58,58,58,58	0
56	MG	1A	4487	1/1	0.91	0.12	75,75,75,75	0
56	MG	2A	3300	1/1	0.91	0.91	96,96,96,96	0
56	MG	1A	4901	1/1	0.91	0.21	61,61,61,61	0
56	MG	1A	4665	1/1	0.91	0.62	78,78,78,78	0
56	MG	1A	5016	1/1	0.91	0.71	81,81,81,81	0
56	MG	1A	4097	1/1	0.91	0.23	57,57,57,57	0
56	MG	1A	4608	1/1	0.91	0.26	70,70,70,70	0
56	MG	2A	3626	1/1	0.91	0.13	158,158,158,158	0
56	MG	2A	3627	1/1	0.91	0.19	165,165,165,165	0
56	MG	1A	4831	1/1	0.91	0.88	109,109,109,109	0
56	MG	1A	4429	1/1	0.91	0.49	54,54,54,54	0
56	MG	2A	3324	1/1	0.91	0.34	87,87,87,87	0
56	MG	1A	4203	1/1	0.91	0.21	61,61,61,61	0
56	MG	2a	1619	1/1	0.91	0.08	68,68,68,68	0
56	MG	1A	4613	1/1	0.91	0.21	70,70,70,70	0
56	MG	2a	1621	1/1	0.91	0.25	162,162,162,162	0
56	MG	2h	205	1/1	0.91	0.46	152,152,152,152	0
56	MG	2A	3809	1/1	0.91	0.72	86,86,86,86	0
56	MG	1A	4078	1/1	0.91	0.41	66,66,66,66	0
56	MG	2a	1772	1/1	0.91	0.51	70,70,70,70	0
56	MG	1A	4845	1/1	0.91	0.52	68,68,68,68	0
56	MG	2A	3818	1/1	0.91	0.21	136,136,136,136	0
56	MG	2A	3335	1/1	0.91	0.31	97,97,97,97	0
56	MG	2A	3483	1/1	0.91	0.87	106,106,106,106	0
56	MG	2A	3484	1/1	0.91	0.47	119,119,119,119	0
56	MG	2a	1778	1/1	0.91	0.85	162,162,162,162	0
56	MG	1a	1836	1/1	0.91	0.07	225,225,225,225	0
56	MG	1A	4497	1/1	0.91	0.21	69,69,69,69	0
56	MG	2a	1633	1/1	0.91	0.37	125,125,125,125	0
56	MG	2A	3490	1/1	0.91	0.60	76,76,76,76	0
56	MG	2A	3491	1/1	0.91	0.64	133,133,133,133	0
56	MG	2a	1784	1/1	0.91	0.42	90,90,90,90	0
56	MG	1A	4754	1/1	0.91	0.28	62,62,62,62	0
56	MG	1a	1755	1/1	0.91	0.32	100,100,100,100	0
56	MG	2a	1787	1/1	0.91	0.23	231,231,231,231	0
56	MG	2a	1788	1/1	0.91	0.25	229,229,229,229	0
56	MG	1A	5040	1/1	0.91	0.21	78,78,78,78	0
56	MG	1A	4185	1/1	0.91	0.26	62,62,62,62	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	2A	3202	1/1	0.91	0.32	114,114,114,114	0
56	MG	1A	4064	1/1	0.91	0.30	69,69,69,69	0
56	MG	1A	4273	1/1	0.91	0.29	69,69,69,69	0
56	MG	2A	3844	1/1	0.91	0.58	107,107,107,107	0
56	MG	1A	4082	1/1	0.91	0.19	58,58,58,58	0
56	MG	2A	3089	1/1	0.91	0.36	122,122,122,122	0
56	MG	2A	3667	1/1	0.91	0.34	93,93,93,93	0
56	MG	1A	4688	1/1	0.91	0.28	65,65,65,65	0
56	MG	1A	4946	1/1	0.91	0.16	52,52,52,52	0
56	MG	2B	206	1/1	0.91	0.72	103,103,103,103	0
56	MG	1a	1766	1/1	0.91	0.34	129,129,129,129	0
56	MG	2a	1803	1/1	0.91	0.22	127,127,127,127	0
56	MG	2A	3095	1/1	0.91	0.29	106,106,106,106	0
56	MG	2A	3522	1/1	0.91	0.49	98,98,98,98	0
56	MG	2a	1662	1/1	0.91	0.14	150,150,150,150	0
56	MG	1A	4026	1/1	0.91	0.29	69,69,69,69	0
56	MG	1A	4117	1/1	0.91	0.38	73,73,73,73	0
56	MG	1A	4308	1/1	0.91	0.68	98,98,98,98	0
56	MG	1A	4280	1/1	0.91	0.43	55,55,55,55	0
56	MG	2y	105	1/1	0.91	0.07	262,262,262,262	0
56	MG	2a	1667	1/1	0.91	0.21	151,151,151,151	0
56	MG	1A	5056	1/1	0.91	0.11	137,137,137,137	0
56	MG	1A	4635	1/1	0.91	0.40	68,68,68,68	0
56	MG	2a	1827	1/1	0.91	1.19	122,122,122,122	0
56	MG	2a	1670	1/1	0.91	0.14	163,163,163,163	0
56	MG	2A	3685	1/1	0.91	0.22	109,109,109,109	0
56	MG	2A	3686	1/1	0.91	0.23	107,107,107,107	0
56	MG	2A	3379	1/1	0.91	0.13	101,101,101,101	0
56	MG	1A	4576	1/1	0.91	0.48	55,55,55,55	0
56	MG	1A	4312	1/1	0.91	1.07	115,115,115,115	0
56	MG	2A	3534	1/1	0.91	0.18	133,133,133,133	0
56	MG	1v	702	1/1	0.91	0.68	91,91,91,91	0
56	MG	2A	3235	1/1	0.91	0.37	97,97,97,97	0
60	K	2A	3001	1/1	0.91	0.95	108,108,108,108	0
56	MG	1A	4961	1/1	0.92	0.14	100,100,100,100	0
56	MG	2a	1846	1/1	0.92	0.26	225,225,225,225	0
56	MG	1B	207	1/1	0.92	0.61	88,88,88,88	0
56	MG	2A	3130	1/1	0.92	0.86	136,136,136,136	0
56	MG	1A	4235	1/1	0.92	0.29	57,57,57,57	0
56	MG	1A	4488	1/1	0.92	0.48	85,85,85,85	0
56	MG	1t	201	1/1	0.92	0.15	42,42,42,42	0
56	MG	2A	3134	1/1	0.92	0.69	83,83,83,83	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
56	MG	2a	1859	1/1	0.92	0.15	160,160,160,160	0
56	MG	2A	3135	1/1	0.92	0.20	105,105,105,105	0
56	MG	2a	1861	1/1	0.92	0.08	153,153,153,153	0
56	MG	2A	3309	1/1	0.92	0.22	108,108,108,108	0
56	MG	2a	1865	1/1	0.92	0.14	119,119,119,119	0
56	MG	1a	1724	1/1	0.92	0.21	126,126,126,126	0
56	MG	1A	4112	1/1	0.92	0.22	59,59,59,59	0
56	MG	2B	229	1/1	0.92	0.17	150,150,150,150	0
56	MG	1A	4149	1/1	0.92	0.66	59,59,59,59	0
56	MG	2B	231	1/1	0.92	0.24	152,152,152,152	0
56	MG	1A	4972	1/1	0.92	0.19	77,77,77,77	0
56	MG	1a	1732	1/1	0.92	0.59	144,144,144,144	0
56	MG	2a	1874	1/1	0.92	0.51	155,155,155,155	0
56	MG	1A	4328	1/1	0.92	0.42	55,55,55,55	0
56	MG	1a	1624	1/1	0.92	0.19	102,102,102,102	0
56	MG	1A	4981	1/1	0.92	0.20	57,57,57,57	0
56	MG	2a	1704	1/1	0.92	0.20	160,160,160,160	0
56	MG	2A	3003	1/1	0.92	0.38	108,108,108,108	0
56	MG	1A	4035	1/1	0.92	0.46	73,73,73,73	0
56	MG	2a	1882	1/1	0.92	0.11	163,163,163,163	0
56	MG	2A	3007	1/1	0.92	0.74	98,98,98,98	0
56	MG	1A	4693	1/1	0.92	0.29	67,67,67,67	0
56	MG	1a	1740	1/1	0.92	0.20	151,151,151,151	0
56	MG	1A	4695	1/1	0.92	0.25	74,74,74,74	0
56	MG	2A	3343	1/1	0.92	0.38	89,89,89,89	0
56	MG	1A	4774	1/1	0.92	0.32	68,68,68,68	0
56	MG	1A	4063	1/1	0.92	0.31	64,64,64,64	0
56	MG	2A	3164	1/1	0.92	0.42	97,97,97,97	0
56	MG	1A	4777	1/1	0.92	0.23	68,68,68,68	0
56	MG	1A	4333	1/1	0.92	0.09	83,83,83,83	0
56	MG	2A	3725	1/1	0.92	0.41	79,79,79,79	0
56	MG	2a	1721	1/1	0.92	0.39	145,145,145,145	0
56	MG	2Q	203	1/1	0.92	0.61	107,107,107,107	0
56	MG	2A	3726	1/1	0.92	0.20	91,91,91,91	0
56	MG	2a	1724	1/1	0.92	0.51	141,141,141,141	0
56	MG	1a	1639	1/1	0.92	0.31	112,112,112,112	0
56	MG	2A	3729	1/1	0.92	0.30	83,83,83,83	0
56	MG	1a	1862	1/1	0.92	0.23	215,215,215,215	0
56	MG	2A	3733	1/1	0.92	0.27	77,77,77,77	0
56	MG	1A	4015	1/1	0.92	0.83	63,63,63,63	0
56	MG	2A	3179	1/1	0.92	0.74	139,139,139,139	0
56	MG	2A	3542	1/1	0.92	0.15	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	1A	4379	1/1	0.92	0.74	95,95,95,95	0
56	MG	1A	4560	1/1	0.92	0.17	59,59,59,59	0
56	MG	1A	4701	1/1	0.92	0.34	68,68,68,68	0
56	MG	1A	4502	1/1	0.92	0.44	70,70,70,70	0
56	MG	1A	4786	1/1	0.92	0.17	63,63,63,63	0
56	MG	2a	1739	1/1	0.92	0.39	151,151,151,151	0
56	MG	1A	4637	1/1	0.92	0.12	68,68,68,68	0
56	MG	1a	1648	1/1	0.92	0.41	135,135,135,135	0
56	MG	2b	303	1/1	0.92	0.95	185,185,185,185	0
56	MG	20	106	1/1	0.92	0.07	128,128,128,128	0
56	MG	2A	3750	1/1	0.92	0.16	104,104,104,104	0
56	MG	2A	3553	1/1	0.92	0.15	106,106,106,106	0
56	MG	1A	4310	1/1	0.92	0.68	73,73,73,73	0
56	MG	1a	1874	1/1	0.92	0.32	196,196,196,196	0
56	MG	1A	4504	1/1	0.92	0.19	92,92,92,92	0
56	MG	1a	1879	1/1	0.92	0.20	97,97,97,97	0
56	MG	1A	4897	1/1	0.92	1.03	66,66,66,66	0
56	MG	1A	4337	1/1	0.92	0.28	59,59,59,59	0
56	MG	2A	3760	1/1	0.92	0.28	133,133,133,133	0
56	MG	1A	4506	1/1	0.92	0.49	96,96,96,96	0
56	MG	1a	1774	1/1	0.92	0.46	139,139,139,139	0
56	MG	2A	3046	1/1	0.92	0.29	91,91,91,91	0
56	MG	2A	3391	1/1	0.92	0.12	122,122,122,122	0
56	MG	1A	4339	1/1	0.92	0.21	59,59,59,59	0
56	MG	1A	4340	1/1	0.92	0.20	57,57,57,57	0
56	MG	1A	4341	1/1	0.92	0.21	48,48,48,48	0
56	MG	1a	1779	1/1	0.92	0.58	122,122,122,122	0
56	MG	2A	3061	1/1	0.92	0.84	92,92,92,92	0
56	MG	1A	4911	1/1	0.92	0.24	62,62,62,62	0
56	MG	2A	3063	1/1	0.92	0.19	83,83,83,83	0
56	MG	1A	4247	1/1	0.92	0.31	49,49,49,49	0
56	MG	1A	4719	1/1	0.92	0.12	89,89,89,89	0
56	MG	1R	202	1/1	0.92	0.62	56,56,56,56	0
56	MG	1A	4348	1/1	0.92	0.38	62,62,62,62	0
56	MG	2A	3072	1/1	0.92	0.19	133,133,133,133	0
56	MG	1S	201	1/1	0.92	0.58	74,74,74,74	0
56	MG	1A	5037	1/1	0.92	0.11	78,78,78,78	0
56	MG	1A	4290	1/1	0.92	0.58	70,70,70,70	0
56	MG	1A	4821	1/1	0.92	0.21	73,73,73,73	0
56	MG	1A	4313	1/1	0.92	0.44	50,50,50,50	0
56	MG	2A	3080	1/1	0.92	0.05	127,127,127,127	0
56	MG	1A	4657	1/1	0.92	0.26	84,84,84,84	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	1A	4193	1/1	0.92	0.15	64,64,64,64	0
56	MG	1A	4594	1/1	0.92	0.31	64,64,64,64	0
56	MG	1a	1797	1/1	0.92	0.33	85,85,85,85	0
56	MG	1A	4833	1/1	0.92	0.64	70,70,70,70	0
56	MG	1W	202	1/1	0.92	0.22	55,55,55,55	0
56	MG	1A	4598	1/1	0.92	0.57	59,59,59,59	0
56	MG	1Z	302	1/1	0.92	0.77	98,98,98,98	0
56	MG	1A	4142	1/1	0.92	0.18	66,66,66,66	0
56	MG	2q	204	1/1	0.92	0.61	141,141,141,141	0
56	MG	2A	3439	1/1	0.92	0.45	56,56,56,56	0
56	MG	2A	3816	1/1	0.92	0.40	121,121,121,121	0
56	MG	1A	4837	1/1	0.92	0.19	57,57,57,57	0
56	MG	2A	3441	1/1	0.92	0.19	109,109,109,109	0
56	MG	2t	201	1/1	0.92	0.31	159,159,159,159	0
56	MG	10	102	1/1	0.92	0.36	69,69,69,69	0
56	MG	2A	3628	1/1	0.92	0.53	119,119,119,119	0
56	MG	2A	3444	1/1	0.92	0.30	99,99,99,99	0
56	MG	2A	3254	1/1	0.92	0.09	122,122,122,122	0
56	MG	2A	3447	1/1	0.92	0.53	87,87,87,87	0
56	MG	1A	4664	1/1	0.92	0.18	73,73,73,73	0
56	MG	1A	4180	1/1	0.92	0.38	48,48,48,48	0
56	MG	2A	3258	1/1	0.92	0.45	75,75,75,75	0
56	MG	2A	3259	1/1	0.92	0.50	82,82,82,82	0
56	MG	1A	4525	1/1	0.92	0.70	104,104,104,104	0
56	MG	1A	4749	1/1	0.92	0.31	77,77,77,77	0
56	MG	1A	4156	1/1	0.92	0.30	54,54,54,54	0
56	MG	2A	3839	1/1	0.92	0.20	139,139,139,139	0
56	MG	2A	3463	1/1	0.92	0.60	67,67,67,67	0
56	MG	1b	309	1/1	0.92	0.27	171,171,171,171	0
56	MG	2y	102	1/1	0.92	0.20	73,73,73,73	0
56	MG	1a	1697	1/1	0.92	0.25	142,142,142,142	0
56	MG	1d	303	1/1	0.92	0.49	151,151,151,151	0
56	MG	1A	4527	1/1	0.92	0.43	76,76,76,76	0
56	MG	2y	107	1/1	0.92	0.57	207,207,207,207	0
56	MG	1a	1821	1/1	0.92	0.15	202,202,202,202	0
56	MG	1a	1701	1/1	0.92	0.08	153,153,153,153	0
56	MG	1A	4412	1/1	0.92	0.32	62,62,62,62	0
56	MG	1A	4530	1/1	0.92	0.32	68,68,68,68	0
56	MG	1A	4484	1/1	0.92	0.34	60,60,60,60	0
56	MG	2a	1834	1/1	0.92	0.13	161,161,161,161	0
56	MG	1a	1605	1/1	0.92	0.24	89,89,89,89	0
56	MG	1A	4157	1/1	0.92	0.40	52,52,52,52	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
56	MG	2A	3481	1/1	0.92	0.43	112,112,112,112	0
56	MG	1A	4486	1/1	0.92	0.32	67,67,67,67	0
57	ZN	26	102	1/1	0.92	0.07	130,130,130,130	0
56	MG	1a	1830	1/1	0.92	0.10	194,194,194,194	0
56	MG	2A	3291	1/1	0.92	0.34	75,75,75,75	0
56	MG	1a	1608	1/1	0.92	0.36	69,69,69,69	0
56	MG	2a	1814	1/1	0.93	0.23	142,142,142,142	0
56	MG	1A	4233	1/1	0.93	0.22	65,65,65,65	0
56	MG	1A	4296	1/1	0.93	0.84	82,82,82,82	0
56	MG	2A	3366	1/1	0.93	0.57	82,82,82,82	0
56	MG	1A	4575	1/1	0.93	0.24	56,56,56,56	0
56	MG	1A	4234	1/1	0.93	0.34	59,59,59,59	0
56	MG	1A	4059	1/1	0.93	0.36	72,72,72,72	0
56	MG	2a	1829	1/1	0.93	0.18	147,147,147,147	0
56	MG	2A	3004	1/1	0.93	0.83	93,93,93,93	0
56	MG	2A	3162	1/1	0.93	0.30	102,102,102,102	0
56	MG	2A	3569	1/1	0.93	0.21	96,96,96,96	0
56	MG	2A	3570	1/1	0.93	0.16	167,167,167,167	0
56	MG	2A	3005	1/1	0.93	0.87	102,102,102,102	0
56	MG	1A	4299	1/1	0.93	0.32	95,95,95,95	0
56	MG	1Y	301	1/1	0.93	0.14	85,85,85,85	0
56	MG	2A	3170	1/1	0.93	0.48	90,90,90,90	0
56	MG	2a	1652	1/1	0.93	0.11	142,142,142,142	0
56	MG	1A	4238	1/1	0.93	0.28	59,59,59,59	0
56	MG	1A	5023	1/1	0.93	0.28	58,58,58,58	0
56	MG	1a	1841	1/1	0.93	0.23	231,231,231,231	0
56	MG	2a	1851	1/1	0.93	0.09	145,145,145,145	0
56	MG	2a	1852	1/1	0.93	0.27	45,45,45,45	0
56	MG	2A	3012	1/1	0.93	0.51	108,108,108,108	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	4669	1/1	0.93	0.50	89,89,89,89	0
56	MG	1A	4124	1/1	0.93	0.21	76,76,76,76	0
56	MG	2A	3588	1/1	0.93	0.09	127,127,127,127	0
56	MG	1A	4672	1/1	0.93	0.54	67,67,67,67	0
56	MG	1A	4077	1/1	0.93	0.24	78,78,78,78	0
56	MG	1A	4065	1/1	0.93	0.81	67,67,67,67	0
56	MG	2A	3594	1/1	0.93	0.12	74,74,74,74	0
56	MG	17	101	1/1	0.93	0.40	58,58,58,58	0
56	MG	1a	1855	1/1	0.93	0.81	230,230,230,230	0
56	MG	1A	4049	1/1	0.93	0.43	97,97,97,97	0
56	MG	1A	4081	1/1	0.93	0.29	57,57,57,57	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	2A	3604	1/1	0.93	0.15	110,110,110,110	0
56	MG	1A	4106	1/1	0.93	0.33	50,50,50,50	0
56	MG	1a	1733	1/1	0.93	0.12	149,149,149,149	0
56	MG	1A	4775	1/1	0.93	0.32	78,78,78,78	0
56	MG	1a	1861	1/1	0.93	0.25	216,216,216,216	0
56	MG	1A	4133	1/1	0.93	0.37	58,58,58,58	0
56	MG	1A	4108	1/1	0.93	0.34	52,52,52,52	0
56	MG	2A	3411	1/1	0.93	0.34	100,100,100,100	0
56	MG	1A	4433	1/1	0.93	0.15	79,79,79,79	0
56	MG	2A	3413	1/1	0.93	0.17	126,126,126,126	0
56	MG	2A	3039	1/1	0.93	0.65	80,80,80,80	0
56	MG	2A	3415	1/1	0.93	0.28	124,124,124,124	0
56	MG	1A	4022	1/1	0.93	0.78	111,111,111,111	0
56	MG	2A	3625	1/1	0.93	0.55	146,146,146,146	0
56	MG	1A	4363	1/1	0.93	0.13	72,72,72,72	0
56	MG	2A	3042	1/1	0.93	0.34	112,112,112,112	0
56	MG	2A	3215	1/1	0.93	0.21	100,100,100,100	0
56	MG	1A	4781	1/1	0.93	0.45	81,81,81,81	0
56	MG	1a	1744	1/1	0.93	0.28	132,132,132,132	0
56	MG	2A	3218	1/1	0.93	0.16	103,103,103,103	0
56	MG	1a	1870	1/1	0.93	0.14	220,220,220,220	0
56	MG	2B	211	1/1	0.93	0.56	88,88,88,88	0
56	MG	2A	3048	1/1	0.93	0.20	88,88,88,88	0
56	MG	2a	1702	1/1	0.93	0.41	156,156,156,156	0
56	MG	1A	4912	1/1	0.93	0.41	57,57,57,57	0
56	MG	2A	3636	1/1	0.93	0.21	125,125,125,125	0
56	MG	2A	3052	1/1	0.93	0.15	103,103,103,103	0
56	MG	2A	3226	1/1	0.93	0.19	100,100,100,100	0
56	MG	1A	4367	1/1	0.93	0.33	56,56,56,56	0
56	MG	2A	3056	1/1	0.93	0.74	107,107,107,107	0
56	MG	1A	4690	1/1	0.93	0.15	83,83,83,83	0
56	MG	1A	4267	1/1	0.93	0.38	63,63,63,63	0
56	MG	1a	1753	1/1	0.93	0.21	115,115,115,115	0
56	MG	1a	1878	1/1	0.93	0.16	105,105,105,105	0
56	MG	2A	3239	1/1	0.93	0.26	108,108,108,108	0
56	MG	1A	4083	1/1	0.93	0.17	58,58,58,58	0
56	MG	1A	4694	1/1	0.93	0.36	70,70,70,70	0
56	MG	2a	1914	1/1	0.93	0.12	242,242,242,242	0
56	MG	2a	1915	1/1	0.93	0.09	123,123,123,123	0
56	MG	1A	4923	1/1	0.93	0.22	66,66,66,66	0
56	MG	1a	1883	1/1	0.93	0.30	124,124,124,124	0
56	MG	2A	3655	1/1	0.93	0.55	117,117,117,117	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
56	MG	2b	301	1/1	0.93	0.08	199,199,199,199	0
56	MG	2b	302	1/1	0.93	0.14	196,196,196,196	0
56	MG	1A	4448	1/1	0.93	0.44	78,78,78,78	0
56	MG	2A	3660	1/1	0.93	0.34	147,147,147,147	0
56	MG	2A	3458	1/1	0.93	0.44	90,90,90,90	0
56	MG	1a	1625	1/1	0.93	0.39	80,80,80,80	0
56	MG	1A	4926	1/1	0.93	0.40	76,76,76,76	0
56	MG	1A	4797	1/1	0.93	0.40	78,78,78,78	0
56	MG	1A	4069	1/1	0.93	0.31	72,72,72,72	0
56	MG	2E	301	1/1	0.93	0.19	91,91,91,91	0
56	MG	1A	4372	1/1	0.93	0.30	57,57,57,57	0
56	MG	1a	1896	1/1	0.93	0.19	114,114,114,114	0
56	MG	1A	4071	1/1	0.93	0.19	77,77,77,77	0
56	MG	1A	4619	1/1	0.93	0.25	103,103,103,103	0
56	MG	1A	4143	1/1	0.93	0.20	62,62,62,62	0
56	MG	1A	4941	1/1	0.93	0.20	61,61,61,61	0
56	MG	1A	4222	1/1	0.93	0.28	70,70,70,70	0
56	MG	1A	4623	1/1	0.93	0.30	85,85,85,85	0
56	MG	1A	4223	1/1	0.93	0.13	70,70,70,70	0
56	MG	1A	4457	1/1	0.93	0.18	81,81,81,81	0
56	MG	2a	1742	1/1	0.93	0.59	148,148,148,148	0
56	MG	2P	202	1/1	0.93	0.56	127,127,127,127	0
56	MG	1B	215	1/1	0.93	0.33	65,65,65,65	0
56	MG	2A	3480	1/1	0.93	0.31	132,132,132,132	0
56	MG	1A	4058	1/1	0.93	0.68	67,67,67,67	0
56	MG	2A	3093	1/1	0.93	0.35	96,96,96,96	0
56	MG	1B	218	1/1	0.93	0.41	61,61,61,61	0
56	MG	1A	4324	1/1	0.93	0.80	78,78,78,78	0
56	MG	2A	3279	1/1	0.93	0.58	80,80,80,80	0
56	MG	2S	201	1/1	0.93	0.17	87,87,87,87	0
56	MG	1A	4537	1/1	0.93	0.47	66,66,66,66	0
56	MG	2A	3489	1/1	0.93	0.49	53,53,53,53	0
56	MG	1A	4326	1/1	0.93	0.32	67,67,67,67	0
56	MG	1A	4381	1/1	0.93	0.17	72,72,72,72	0
56	MG	1B	224	1/1	0.93	0.50	83,83,83,83	0
56	MG	1B	226	1/1	0.93	0.31	64,64,64,64	0
56	MG	1a	1655	1/1	0.93	0.18	120,120,120,120	0
56	MG	1A	4542	1/1	0.93	0.21	56,56,56,56	0
56	MG	1A	4286	1/1	0.93	0.22	71,71,71,71	0
56	MG	2A	3503	1/1	0.93	0.37	103,103,103,103	0
56	MG	1A	4148	1/1	0.93	0.22	64,64,64,64	0
56	MG	2A	3505	1/1	0.93	0.32	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	4090	1/1	0.93	0.36	55,55,55,55	0
56	MG	2A	3721	1/1	0.93	0.29	118,118,118,118	0
56	MG	1A	4722	1/1	0.93	0.39	75,75,75,75	0
56	MG	1A	4965	1/1	0.93	0.23	66,66,66,66	0
56	MG	1A	4840	1/1	0.93	0.21	71,71,71,71	0
56	MG	1a	1799	1/1	0.93	0.16	113,113,113,113	0
56	MG	25	101	1/1	0.93	0.39	45,45,45,45	0
56	MG	1a	1800	1/1	0.93	0.10	119,119,119,119	0
56	MG	1A	4547	1/1	0.93	0.38	129,129,129,129	0
56	MG	1A	4482	1/1	0.93	0.17	61,61,61,61	0
56	MG	2A	3734	1/1	0.93	0.32	108,108,108,108	0
56	MG	1A	4725	1/1	0.93	0.17	73,73,73,73	0
56	MG	1A	4726	1/1	0.93	0.44	79,79,79,79	0
56	MG	1A	4980	1/1	0.93	1.06	59,59,59,59	0
56	MG	1A	4727	1/1	0.93	0.30	82,82,82,82	0
56	MG	2A	3125	1/1	0.93	0.19	81,81,81,81	0
56	MG	2A	3126	1/1	0.93	0.25	138,138,138,138	0
56	MG	1A	4387	1/1	0.93	0.22	81,81,81,81	0
56	MG	1A	4643	1/1	0.93	0.22	64,64,64,64	0
56	MG	2A	3331	1/1	0.93	0.48	91,91,91,91	0
56	MG	2A	3746	1/1	0.93	0.24	93,93,93,93	0
56	MG	1A	4734	1/1	0.93	0.21	64,64,64,64	0
56	MG	2A	3535	1/1	0.93	0.11	141,141,141,141	0
56	MG	1A	4389	1/1	0.93	0.11	78,78,78,78	0
56	MG	1A	4739	1/1	0.93	0.17	74,74,74,74	0
56	MG	2a	1613	1/1	0.93	0.25	147,147,147,147	0
56	MG	1A	4189	1/1	0.93	0.26	60,60,60,60	0
56	MG	1A	4231	1/1	0.93	0.10	72,72,72,72	0
56	MG	1A	4394	1/1	0.93	0.26	60,60,60,60	0
56	MG	2A	3756	1/1	0.93	0.31	137,137,137,137	0
56	MG	1A	4561	1/1	0.93	0.21	57,57,57,57	0
56	MG	1A	4864	1/1	0.93	0.19	75,75,75,75	0
56	MG	2A	3544	1/1	0.93	0.22	108,108,108,108	0
56	MG	2A	3144	1/1	0.93	0.33	65,65,65,65	0
56	MG	2A	3344	1/1	0.93	0.23	91,91,91,91	0
56	MG	1A	4865	1/1	0.93	0.33	64,64,64,64	0
56	MG	1A	5005	1/1	0.93	0.25	86,86,86,86	0
56	MG	1a	1689	1/1	0.93	0.13	133,133,133,133	0
56	MG	1A	4489	1/1	0.93	0.11	75,75,75,75	0
56	MG	1T	203	1/1	0.93	0.76	62,62,62,62	0
56	MG	2a	1809	1/1	0.93	0.24	122,122,122,122	0
56	MG	1A	5007	1/1	0.93	0.19	92,92,92,92	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	2A	3513	1/1	0.94	0.19	85,85,85,85	0
56	MG	1A	4663	1/1	0.94	0.31	89,89,89,89	0
56	MG	2A	3301	1/1	0.94	0.34	96,96,96,96	0
56	MG	1A	4936	1/1	0.94	0.18	61,61,61,61	0
56	MG	2A	3520	1/1	0.94	0.19	91,91,91,91	0
56	MG	1a	1602	1/1	0.94	0.38	77,77,77,77	0
56	MG	2A	3306	1/1	0.94	0.30	85,85,85,85	0
56	MG	2a	1611	1/1	0.94	0.21	143,143,143,143	0
56	MG	1A	4738	1/1	0.94	0.19	70,70,70,70	0
56	MG	2A	3740	1/1	0.94	0.47	88,88,88,88	0
56	MG	1y	102	1/1	0.94	0.44	123,123,123,123	0
56	MG	1A	4278	1/1	0.94	0.41	65,65,65,65	0
56	MG	2a	1817	1/1	0.94	0.12	133,133,133,133	0
56	MG	1A	4836	1/1	0.94	0.29	58,58,58,58	0
56	MG	1A	4466	1/1	0.94	0.24	56,56,56,56	0
56	MG	2A	3138	1/1	0.94	0.49	118,118,118,118	0
56	MG	2A	3139	1/1	0.94	0.20	102,102,102,102	0
56	MG	2A	3141	1/1	0.94	0.27	96,96,96,96	0
56	MG	2A	3328	1/1	0.94	0.18	91,91,91,91	0
56	MG	1z	101	1/1	0.94	0.19	151,151,151,151	0
56	MG	1A	4467	1/1	0.94	0.42	57,57,57,57	0
56	MG	1A	4528	1/1	0.94	0.34	73,73,73,73	0
56	MG	2A	3145	1/1	0.94	0.68	100,100,100,100	0
56	MG	1A	4844	1/1	0.94	0.35	77,77,77,77	0
56	MG	2A	3336	1/1	0.94	0.44	95,95,95,95	0
56	MG	1A	4409	1/1	0.94	0.21	56,56,56,56	0
56	MG	2a	1842	1/1	0.94	0.16	196,196,196,196	0
56	MG	2A	3148	1/1	0.94	0.74	76,76,76,76	0
56	MG	1A	4473	1/1	0.94	0.40	46,46,46,46	0
56	MG	2A	3543	1/1	0.94	0.16	100,100,100,100	0
56	MG	1a	1617	1/1	0.94	0.41	79,79,79,79	0
56	MG	1A	4477	1/1	0.94	0.30	71,71,71,71	0
56	MG	1A	4849	1/1	0.94	0.14	84,84,84,84	0
56	MG	2a	1850	1/1	0.94	0.16	154,154,154,154	0
56	MG	2A	3547	1/1	0.94	0.25	104,104,104,104	0
56	MG	2a	1640	1/1	0.94	0.36	143,143,143,143	0
56	MG	1A	4479	1/1	0.94	0.31	71,71,71,71	0
56	MG	1A	4141	1/1	0.94	0.29	63,63,63,63	0
56	MG	1A	4958	1/1	0.94	0.31	95,95,95,95	0
56	MG	2A	3349	1/1	0.94	0.20	104,104,104,104	0
56	MG	2a	1858	1/1	0.94	0.29	149,149,149,149	0
56	MG	2A	3775	1/1	0.94	0.19	114,114,114,114	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
56	MG	1A	4959	1/1	0.94	0.49	102,102,102,102	0
56	MG	1A	4414	1/1	0.94	0.36	66,66,66,66	0
56	MG	2A	3779	1/1	0.94	0.37	98,98,98,98	0
56	MG	1A	4306	1/1	0.94	0.19	97,97,97,97	0
56	MG	1A	4021	1/1	0.94	0.55	76,76,76,76	0
56	MG	2A	3359	1/1	0.94	0.33	84,84,84,84	0
56	MG	2A	3559	1/1	0.94	0.33	91,91,91,91	0
56	MG	2A	3360	1/1	0.94	0.38	78,78,78,78	0
56	MG	2A	3561	1/1	0.94	0.36	88,88,88,88	0
56	MG	2a	1871	1/1	0.94	0.33	134,134,134,134	0
56	MG	2A	3361	1/1	0.94	0.29	94,94,94,94	0
56	MG	1A	4241	1/1	0.94	0.47	66,66,66,66	0
56	MG	2A	3363	1/1	0.94	0.39	85,85,85,85	0
56	MG	2A	3166	1/1	0.94	0.69	85,85,85,85	0
56	MG	2A	3567	1/1	0.94	0.13	104,104,104,104	0
56	MG	2A	3365	1/1	0.94	0.38	90,90,90,90	0
56	MG	1A	4309	1/1	0.94	0.46	79,79,79,79	0
56	MG	1A	4685	1/1	0.94	0.51	70,70,70,70	0
56	MG	2a	1880	1/1	0.94	0.17	158,158,158,158	0
56	MG	2A	3024	1/1	0.94	0.74	123,123,123,123	0
56	MG	2A	3171	1/1	0.94	0.46	88,88,88,88	0
56	MG	1A	4544	1/1	0.94	0.19	77,77,77,77	0
56	MG	1A	4107	1/1	0.94	0.27	52,52,52,52	0
56	MG	1a	1762	1/1	0.94	0.42	103,103,103,103	0
56	MG	2A	3178	1/1	0.94	0.48	116,116,116,116	0
56	MG	2A	3814	1/1	0.94	0.31	128,128,128,128	0
56	MG	2A	3578	1/1	0.94	0.49	135,135,135,135	0
56	MG	2A	3029	1/1	0.94	0.82	105,105,105,105	0
56	MG	1A	4378	1/1	0.94	0.27	83,83,83,83	0
56	MG	2A	3380	1/1	0.94	0.12	93,93,93,93	0
56	MG	1A	4975	1/1	0.94	0.17	76,76,76,76	0
56	MG	1A	4976	1/1	0.94	0.24	77,77,77,77	0
56	MG	1a	1877	1/1	0.94	0.15	106,106,106,106	0
56	MG	2A	3186	1/1	0.94	0.35	105,105,105,105	0
56	MG	2A	3829	1/1	0.94	0.17	113,113,113,113	0
56	MG	2A	3036	1/1	0.94	0.66	76,76,76,76	0
56	MG	2a	1689	1/1	0.94	0.23	156,156,156,156	0
56	MG	1A	4074	1/1	0.94	0.33	78,78,78,78	0
56	MG	1D	305	1/1	0.94	0.30	81,81,81,81	0
56	MG	1A	4183	1/1	0.94	0.14	63,63,63,63	0
56	MG	1a	1881	1/1	0.94	0.11	151,151,151,151	0
56	MG	1A	4692	1/1	0.94	0.54	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	4627	1/1	0.94	0.37	80,80,80,80	0
56	MG	2a	1908	1/1	0.94	0.16	230,230,230,230	0
56	MG	2A	3603	1/1	0.94	0.13	103,103,103,103	0
56	MG	1a	1772	1/1	0.94	0.05	136,136,136,136	0
56	MG	1a	1885	1/1	0.94	0.11	128,128,128,128	0
56	MG	2A	3200	1/1	0.94	0.19	109,109,109,109	0
56	MG	2A	3845	1/1	0.94	0.82	85,85,85,85	0
56	MG	1a	1889	1/1	0.94	0.18	153,153,153,153	0
56	MG	1A	4773	1/1	0.94	0.28	68,68,68,68	0
56	MG	1A	4227	1/1	0.94	0.20	86,86,86,86	0
56	MG	1a	1892	1/1	0.94	0.42	117,117,117,117	0
56	MG	1E	304	1/1	0.94	0.20	71,71,71,71	0
56	MG	1a	1652	1/1	0.94	0.25	117,117,117,117	0
56	MG	1A	4439	1/1	0.94	0.24	80,80,80,80	0
56	MG	1A	4441	1/1	0.94	0.44	78,78,78,78	0
56	MG	2A	3212	1/1	0.94	0.11	93,93,93,93	0
56	MG	2A	3622	1/1	0.94	0.45	137,137,137,137	0
56	MG	2a	1715	1/1	0.94	0.36	147,147,147,147	0
56	MG	2A	3213	1/1	0.94	0.35	88,88,88,88	0
56	MG	2A	3060	1/1	0.94	0.52	85,85,85,85	0
56	MG	1a	1897	1/1	0.94	0.90	124,124,124,124	0
56	MG	1A	4632	1/1	0.94	0.67	66,66,66,66	0
56	MG	1A	4883	1/1	0.94	0.22	59,59,59,59	0
56	MG	1H	202	1/1	0.94	0.39	76,76,76,76	0
56	MG	2A	3630	1/1	0.94	0.39	102,102,102,102	0
56	MG	2A	3065	1/1	0.94	0.22	117,117,117,117	0
56	MG	1A	4442	1/1	0.94	0.15	75,75,75,75	0
56	MG	1A	4033	1/1	0.94	0.26	70,70,70,70	0
56	MG	2A	3069	1/1	0.94	0.23	149,149,149,149	0
56	MG	2A	3225	1/1	0.94	0.58	113,113,113,113	0
56	MG	1A	4007	1/1	0.94	0.22	64,64,64,64	0
56	MG	2A	3227	1/1	0.94	0.20	94,94,94,94	0
56	MG	1a	1789	1/1	0.94	0.20	111,111,111,111	0
56	MG	1A	4317	1/1	0.94	0.70	106,106,106,106	0
56	MG	1A	4292	1/1	0.94	0.42	96,96,96,96	0
56	MG	1a	1907	1/1	0.94	0.35	117,117,117,117	0
56	MG	1A	4263	1/1	0.94	0.56	51,51,51,51	0
56	MG	1A	5011	1/1	0.94	0.32	77,77,77,77	0
56	MG	1A	4264	1/1	0.94	0.39	61,61,61,61	0
56	MG	2A	3443	1/1	0.94	0.18	111,111,111,111	0
56	MG	1A	4057	1/1	0.94	0.75	63,63,63,63	0
56	MG	1Q	203	1/1	0.94	0.41	50,50,50,50	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
56	MG	2a	1743	1/1	0.94	0.70	151,151,151,151	0
56	MG	1A	4360	1/1	0.94	0.12	88,88,88,88	0
56	MG	1a	1914	1/1	0.94	0.19	193,193,193,193	0
56	MG	1A	4166	1/1	0.94	0.40	34,34,34,34	0
56	MG	2A	3450	1/1	0.94	0.60	85,85,85,85	0
56	MG	1A	4896	1/1	0.94	1.29	61,61,61,61	0
56	MG	1A	4454	1/1	0.94	0.27	78,78,78,78	0
56	MG	1A	4646	1/1	0.94	0.28	69,69,69,69	0
56	MG	2A	3459	1/1	0.94	0.47	98,98,98,98	0
56	MG	1A	4582	1/1	0.94	0.18	65,65,65,65	0
56	MG	1A	4648	1/1	0.94	0.29	66,66,66,66	0
56	MG	1A	4902	1/1	0.94	0.62	63,63,63,63	0
56	MG	1A	5026	1/1	0.94	0.29	70,70,70,70	0
56	MG	1A	4649	1/1	0.94	0.21	65,65,65,65	0
56	MG	2a	1759	1/1	0.94	0.15	218,218,218,218	0
56	MG	1A	4805	1/1	0.94	0.83	95,95,95,95	0
56	MG	1A	4909	1/1	0.94	0.20	59,59,59,59	0
56	MG	2A	3467	1/1	0.94	0.37	79,79,79,79	0
56	MG	1A	4720	1/1	0.94	0.25	79,79,79,79	0
56	MG	1A	4807	1/1	0.94	0.32	58,58,58,58	0
56	MG	1A	4512	1/1	0.94	0.28	73,73,73,73	0
56	MG	1A	5038	1/1	0.94	0.44	70,70,70,70	0
56	MG	1A	4651	1/1	0.94	0.43	88,88,88,88	0
56	MG	2A	3266	1/1	0.94	0.46	86,86,86,86	0
56	MG	2A	3687	1/1	0.94	0.28	118,118,118,118	0
56	MG	2A	3267	1/1	0.94	0.28	99,99,99,99	0
56	MG	1Z	303	1/1	0.94	0.29	42,42,42,42	0
56	MG	2A	3479	1/1	0.94	0.30	122,122,122,122	0
56	MG	1Z	304	1/1	0.94	0.56	64,64,64,64	0
56	MG	2A	3271	1/1	0.94	0.24	113,113,113,113	0
56	MG	1A	4268	1/1	0.94	0.41	65,65,65,65	0
56	MG	2A	3273	1/1	0.94	0.33	70,70,70,70	0
56	MG	2A	3108	1/1	0.94	0.08	139,139,139,139	0
56	MG	2A	3701	1/1	0.94	0.25	93,93,93,93	0
56	MG	20	105	1/1	0.94	0.06	126,126,126,126	0
56	MG	1a	1700	1/1	0.94	0.16	161,161,161,161	0
56	MG	2A	3280	1/1	0.94	0.30	89,89,89,89	0
56	MG	2y	104	1/1	0.94	0.13	248,248,248,248	0
56	MG	1A	4815	1/1	0.94	0.52	77,77,77,77	0
56	MG	1a	1703	1/1	0.94	0.10	149,149,149,149	0
56	MG	1A	4816	1/1	0.94	0.33	75,75,75,75	0
56	MG	10	103	1/1	0.94	0.39	72,72,72,72	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	1A	4456	1/1	0.94	0.13	80,80,80,80	0
56	MG	1A	4365	1/1	0.94	0.30	58,58,58,58	0
56	MG	1A	4016	1/1	0.94	0.23	68,68,68,68	0
56	MG	1A	4218	1/1	0.94	0.31	58,58,58,58	0
56	MG	1A	4369	1/1	0.94	0.25	61,61,61,61	0
56	MG	28	102	1/1	0.94	0.78	119,119,119,119	0
56	MG	28	103	1/1	0.94	0.53	115,115,115,115	0
56	MG	2A	3722	1/1	0.94	0.11	128,128,128,128	0
56	MG	2A	3123	1/1	0.94	0.23	133,133,133,133	0
56	MG	2A	3295	1/1	0.94	0.27	97,97,97,97	0
56	MG	1A	4593	1/1	0.94	0.39	65,65,65,65	0
56	MG	1A	4173	1/1	0.94	0.14	57,57,57,57	0
56	MG	2A	3129	1/1	0.94	0.74	101,101,101,101	0
56	MG	2A	3103	1/1	0.95	0.58	79,79,79,79	0
56	MG	1A	4118	1/1	0.95	0.62	82,82,82,82	0
56	MG	1A	4846	1/1	0.95	0.22	74,74,74,74	0
56	MG	2X	201	1/1	0.95	0.23	108,108,108,108	0
56	MG	1b	302	1/1	0.95	0.32	165,165,165,165	0
56	MG	2Y	202	1/1	0.95	0.13	137,137,137,137	0
56	MG	2A	3275	1/1	0.95	0.30	83,83,83,83	0
56	MG	1B	222	1/1	0.95	0.19	91,91,91,91	0
56	MG	2A	3278	1/1	0.95	0.33	86,86,86,86	0
56	MG	1A	4401	1/1	0.95	0.22	78,78,78,78	0
56	MG	2A	3691	1/1	0.95	0.26	165,165,165,165	0
56	MG	1A	4745	1/1	0.95	0.22	81,81,81,81	0
56	MG	1A	4137	1/1	0.95	0.15	102,102,102,102	0
56	MG	1A	4601	1/1	0.95	0.13	102,102,102,102	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	1A	4964	1/1	0.95	0.38	67,67,67,67	0
56	MG	2A	3700	1/1	0.95	0.20	113,113,113,113	0
56	MG	2A	3488	1/1	0.95	0.42	115,115,115,115	0
56	MG	1A	4670	1/1	0.95	0.26	71,71,71,71	0
56	MG	1e	301	1/1	0.95	0.50	140,140,140,140	0
56	MG	2A	3707	1/1	0.95	0.25	100,100,100,100	0
56	MG	1a	1660	1/1	0.95	0.30	119,119,119,119	0
56	MG	2A	3709	1/1	0.95	0.23	93,93,93,93	0
56	MG	1A	4046	1/1	0.95	0.28	68,68,68,68	0
56	MG	1A	4751	1/1	0.95	0.25	71,71,71,71	0
56	MG	2A	3294	1/1	0.95	0.42	91,91,91,91	0
56	MG	1A	4030	1/1	0.95	0.25	58,58,58,58	0
56	MG	2A	3501	1/1	0.95	0.20	104,104,104,104	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	2a	1815	1/1	0.95	0.13	85,85,85,85	0
56	MG	2a	1816	1/1	0.95	0.14	156,156,156,156	0
56	MG	1A	4462	1/1	0.95	0.27	74,74,74,74	0
56	MG	2a	1819	1/1	0.95	0.18	150,150,150,150	0
56	MG	2A	3128	1/1	0.95	0.42	130,130,130,130	0
56	MG	1a	1667	1/1	0.95	0.13	132,132,132,132	0
56	MG	1A	4284	1/1	0.95	0.36	65,65,65,65	0
56	MG	2A	3506	1/1	0.95	0.16	149,149,149,149	0
56	MG	1A	4319	1/1	0.95	0.37	68,68,68,68	0
56	MG	1A	4411	1/1	0.95	0.23	50,50,50,50	0
56	MG	1A	4977	1/1	0.95	0.32	78,78,78,78	0
56	MG	2A	3728	1/1	0.95	0.21	83,83,83,83	0
56	MG	1a	1813	1/1	0.95	0.30	91,91,91,91	0
56	MG	1A	4978	1/1	0.95	0.19	60,60,60,60	0
56	MG	1A	4168	1/1	0.95	0.42	50,50,50,50	0
56	MG	1A	4612	1/1	0.95	0.15	62,62,62,62	0
56	MG	1A	4236	1/1	0.95	0.67	55,55,55,55	0
56	MG	1A	4683	1/1	0.95	0.32	55,55,55,55	0
56	MG	2A	3317	1/1	0.95	0.36	81,81,81,81	0
56	MG	1A	4415	1/1	0.95	0.15	74,74,74,74	0
56	MG	2a	1616	1/1	0.95	0.10	139,139,139,139	0
56	MG	2A	3321	1/1	0.95	0.52	86,86,86,86	0
56	MG	2A	3323	1/1	0.95	0.46	89,89,89,89	0
56	MG	2A	3527	1/1	0.95	0.18	111,111,111,111	0
56	MG	1A	4618	1/1	0.95	0.19	95,95,95,95	0
56	MG	1A	4766	1/1	0.95	0.23	56,56,56,56	0
56	MG	1A	4989	1/1	0.95	0.23	73,73,73,73	0
56	MG	1A	4990	1/1	0.95	0.21	64,64,64,64	0
56	MG	2A	3330	1/1	0.95	0.20	97,97,97,97	0
56	MG	2a	1855	1/1	0.95	0.07	88,88,88,88	0
56	MG	1A	4992	1/1	0.95	0.37	70,70,70,70	0
56	MG	1A	4876	1/1	0.95	0.26	80,80,80,80	0
56	MG	1A	4686	1/1	0.95	0.14	93,93,93,93	0
56	MG	1A	4475	1/1	0.95	0.16	58,58,58,58	0
56	MG	2a	1629	1/1	0.95	0.28	187,187,187,187	0
56	MG	2A	3002	1/1	0.95	0.64	99,99,99,99	0
56	MG	1A	4416	1/1	0.95	0.32	57,57,57,57	0
56	MG	2a	1863	1/1	0.95	0.14	162,162,162,162	0
56	MG	1A	4478	1/1	0.95	0.24	71,71,71,71	0
56	MG	1A	4169	1/1	0.95	0.20	57,57,57,57	0
56	MG	1A	4885	1/1	0.95	0.55	92,92,92,92	0
56	MG	2A	3341	1/1	0.95	0.24	86,86,86,86	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	1A	4419	1/1	0.95	0.18	55,55,55,55	0
56	MG	1a	1698	1/1	0.95	0.21	120,120,120,120	0
56	MG	2A	3159	1/1	0.95	0.39	100,100,100,100	0
56	MG	2a	1641	1/1	0.95	0.33	146,146,146,146	0
56	MG	1a	1838	1/1	0.95	0.09	231,231,231,231	0
56	MG	1A	4422	1/1	0.95	0.26	52,52,52,52	0
56	MG	2a	1646	1/1	0.95	0.97	120,120,120,120	0
56	MG	2A	3348	1/1	0.95	0.51	90,90,90,90	0
56	MG	1A	4483	1/1	0.95	0.19	66,66,66,66	0
56	MG	2A	3014	1/1	0.95	0.59	108,108,108,108	0
56	MG	1A	4084	1/1	0.95	0.43	61,61,61,61	0
56	MG	2A	3167	1/1	0.95	0.75	99,99,99,99	0
56	MG	1a	1702	1/1	0.95	0.22	181,181,181,181	0
56	MG	2A	3554	1/1	0.95	0.27	89,89,89,89	0
56	MG	1A	4172	1/1	0.95	0.33	58,58,58,58	0
56	MG	2A	3778	1/1	0.95	0.34	97,97,97,97	0
56	MG	1A	4020	1/1	0.95	0.23	73,73,73,73	0
56	MG	1A	4630	1/1	0.95	0.52	56,56,56,56	0
56	MG	2A	3172	1/1	0.95	0.28	91,91,91,91	0
56	MG	1a	1848	1/1	0.95	0.26	178,178,178,178	0
56	MG	1a	1849	1/1	0.95	0.60	149,149,149,149	0
56	MG	2A	3175	1/1	0.95	0.33	58,58,58,58	0
56	MG	2A	3787	1/1	0.95	0.47	125,125,125,125	0
56	MG	2A	3563	1/1	0.95	0.29	90,90,90,90	0
56	MG	1A	4893	1/1	0.95	0.24	65,65,65,65	0
56	MG	2a	1895	1/1	0.95	0.32	156,156,156,156	0
56	MG	2A	3792	1/1	0.95	0.50	130,130,130,130	0
56	MG	1A	4430	1/1	0.95	0.18	61,61,61,61	0
56	MG	2a	1898	1/1	0.95	0.20	160,160,160,160	0
56	MG	1A	4209	1/1	0.95	0.29	55,55,55,55	0
56	MG	1A	5022	1/1	0.95	0.84	122,122,122,122	0
56	MG	2A	3026	1/1	0.95	0.52	117,117,117,117	0
56	MG	1A	4212	1/1	0.95	0.28	51,51,51,51	0
56	MG	1A	4634	1/1	0.95	0.30	59,59,59,59	0
56	MG	1a	1715	1/1	0.95	0.20	123,123,123,123	0
56	MG	1A	4787	1/1	0.95	0.16	64,64,64,64	0
56	MG	1A	4023	1/1	0.95	0.85	110,110,110,110	0
56	MG	1A	4434	1/1	0.95	0.22	58,58,58,58	0
56	MG	1A	5028	1/1	0.95	0.20	70,70,70,70	0
56	MG	1A	4704	1/1	0.95	0.12	77,77,77,77	0
56	MG	2A	3810	1/1	0.95	0.45	145,145,145,145	0
56	MG	1a	1727	1/1	0.95	0.10	127,127,127,127	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
56	MG	1a	1728	1/1	0.95	0.47	143,143,143,143	0
56	MG	2A	3815	1/1	0.95	0.09	136,136,136,136	0
56	MG	1a	1729	1/1	0.95	0.14	143,143,143,143	0
56	MG	2a	1687	1/1	0.95	0.31	162,162,162,162	0
56	MG	2a	1916	1/1	0.95	0.20	63,63,63,63	0
56	MG	1A	4903	1/1	0.95	0.13	61,61,61,61	0
56	MG	1A	5034	1/1	0.95	1.03	67,67,67,67	0
56	MG	1a	1868	1/1	0.95	0.62	214,214,214,214	0
56	MG	2A	3822	1/1	0.95	0.34	91,91,91,91	0
56	MG	2a	1692	1/1	0.95	0.22	149,149,149,149	0
56	MG	2A	3585	1/1	0.95	0.68	114,114,114,114	0
56	MG	2a	1694	1/1	0.95	0.31	146,146,146,146	0
56	MG	2A	3824	1/1	0.95	0.19	99,99,99,99	0
56	MG	2A	3586	1/1	0.95	0.07	120,120,120,120	0
56	MG	2A	3587	1/1	0.95	0.06	123,123,123,123	0
56	MG	16	101	1/1	0.95	0.09	72,72,72,72	0
56	MG	2A	3392	1/1	0.95	0.22	124,124,124,124	0
56	MG	1A	4705	1/1	0.95	0.34	72,72,72,72	0
56	MG	1A	4146	1/1	0.95	0.25	59,59,59,59	0
56	MG	1A	4331	1/1	0.95	0.15	73,73,73,73	0
56	MG	2A	3050	1/1	0.95	0.13	93,93,93,93	0
56	MG	1A	4910	1/1	0.95	0.20	55,55,55,55	0
56	MG	1A	4437	1/1	0.95	0.24	64,64,64,64	0
56	MG	2A	3211	1/1	0.95	0.29	94,94,94,94	0
56	MG	2A	3837	1/1	0.95	0.15	68,68,68,68	0
56	MG	2A	3838	1/1	0.95	0.14	44,44,44,44	0
56	MG	2A	3601	1/1	0.95	0.24	101,101,101,101	0
56	MG	1A	4563	1/1	0.95	0.38	68,68,68,68	0
56	MG	1A	4565	1/1	0.95	0.15	58,58,58,58	0
56	MG	2A	3843	1/1	0.95	0.37	76,76,76,76	0
56	MG	1A	4250	1/1	0.95	0.14	64,64,64,64	0
56	MG	1A	4253	1/1	0.95	0.64	54,54,54,54	0
56	MG	2A	3847	1/1	0.95	0.24	91,91,91,91	0
56	MG	2A	3849	1/1	0.95	0.20	153,153,153,153	0
56	MG	2A	3059	1/1	0.95	0.10	88,88,88,88	0
56	MG	2A	3853	1/1	0.95	0.69	84,84,84,84	0
56	MG	2A	3410	1/1	0.95	0.25	108,108,108,108	0
56	MG	1A	5049	1/1	0.95	0.65	72,72,72,72	0
56	MG	1a	1746	1/1	0.95	0.12	154,154,154,154	0
56	MG	1A	4079	1/1	0.95	0.40	58,58,58,58	0
56	MG	1a	1748	1/1	0.95	0.17	145,145,145,145	0
56	MG	2a	1728	1/1	0.95	0.21	79,79,79,79	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
56	MG	1a	1749	1/1	0.95	0.31	134,134,134,134	0
56	MG	2A	3223	1/1	0.95	0.10	118,118,118,118	0
56	MG	1A	4443	1/1	0.95	0.28	75,75,75,75	0
56	MG	2B	210	1/1	0.95	0.42	70,70,70,70	0
56	MG	2A	3618	1/1	0.95	0.12	149,149,149,149	0
56	MG	1A	4578	1/1	0.95	0.19	59,59,59,59	0
56	MG	1a	1612	1/1	0.95	0.25	94,94,94,94	0
56	MG	1A	4924	1/1	0.95	0.13	71,71,71,71	0
56	MG	2p	103	1/1	0.95	0.50	152,152,152,152	0
56	MG	2A	3070	1/1	0.95	0.31	156,156,156,156	0
56	MG	1A	4181	1/1	0.95	0.37	45,45,45,45	0
56	MG	1A	4261	1/1	0.95	0.14	63,63,63,63	0
56	MG	1A	4819	1/1	0.95	0.38	119,119,119,119	0
56	MG	2A	3426	1/1	0.95	0.25	93,93,93,93	0
56	MG	1a	1620	1/1	0.95	0.19	98,98,98,98	0
56	MG	2A	3429	1/1	0.95	0.21	117,117,117,117	0
56	MG	1A	4055	1/1	0.95	0.36	86,86,86,86	0
56	MG	2A	3238	1/1	0.95	0.25	108,108,108,108	0
56	MG	1A	4930	1/1	0.95	0.39	110,110,110,110	0
56	MG	2A	3434	1/1	0.95	0.29	95,95,95,95	0
56	MG	2B	226	1/1	0.95	0.09	132,132,132,132	0
56	MG	2A	3437	1/1	0.95	0.17	97,97,97,97	0
56	MG	2A	3241	1/1	0.95	0.59	124,124,124,124	0
56	MG	1A	4931	1/1	0.95	0.27	125,125,125,125	0
56	MG	1A	4110	1/1	0.95	0.22	54,54,54,54	0
56	MG	1A	4091	1/1	0.95	0.32	58,58,58,58	0
56	MG	1A	4823	1/1	0.95	0.48	74,74,74,74	0
56	MG	1A	4653	1/1	0.95	0.28	88,88,88,88	0
56	MG	2A	3085	1/1	0.95	0.13	118,118,118,118	0
56	MG	1A	4937	1/1	0.95	0.17	58,58,58,58	0
56	MG	1A	4938	1/1	0.95	0.32	69,69,69,69	0
56	MG	1A	4828	1/1	0.95	0.21	80,80,80,80	0
56	MG	1A	4266	1/1	0.95	0.20	58,58,58,58	0
56	MG	2A	3652	1/1	0.95	0.12	124,124,124,124	0
56	MG	1A	4728	1/1	0.95	0.18	76,76,76,76	0
56	MG	2A	3453	1/1	0.95	0.53	74,74,74,74	0
56	MG	2A	3253	1/1	0.95	0.20	128,128,128,128	0
56	MG	1A	4510	1/1	0.95	0.12	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	1638	1/1	0.95	0.43	117,117,117,117	0
56	MG	1A	4732	1/1	0.95	0.21	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	4113	1/1	0.95	0.32	55,55,55,55	0
56	MG	2A	3668	1/1	0.95	0.38	91,91,91,91	0
56	MG	1A	4114	1/1	0.95	0.25	56,56,56,56	0
56	MG	1A	4093	1/1	0.95	0.31	62,62,62,62	0
56	MG	1A	4737	1/1	0.95	0.16	76,76,76,76	0
56	MG	1A	4953	1/1	0.95	0.19	60,60,60,60	0
56	MG	1A	4515	1/1	0.95	0.33	70,70,70,70	0
57	ZN	29	103	1/1	0.95	0.05	143,143,143,143	0
56	MG	1A	4018	1/1	0.95	0.47	68,68,68,68	0
59	GDP	1v	704	28/28	0.95	0.18	117,117,117,117	0
56	MG	2A	3469	1/1	0.95	0.28	115,115,115,115	0
56	MG	1a	1787	1/1	0.95	0.39	124,124,124,124	0
56	MG	1A	4315	1/1	0.96	0.43	111,111,111,111	0
56	MG	1b	308	1/1	0.96	0.23	162,162,162,162	0
56	MG	2a	1810	1/1	0.96	0.42	129,129,129,129	0
56	MG	2a	1811	1/1	0.96	0.15	129,129,129,129	0
56	MG	1a	1818	1/1	0.96	0.07	186,186,186,186	0
56	MG	1A	4408	1/1	0.96	0.37	57,57,57,57	0
56	MG	1d	302	1/1	0.96	0.17	149,149,149,149	0
56	MG	1A	4791	1/1	0.96	0.43	73,73,73,73	0
56	MG	1a	1603	1/1	0.96	0.17	98,98,98,98	0
56	MG	2A	3766	1/1	0.96	0.73	66,66,66,66	0
56	MG	1A	4969	1/1	0.96	0.23	63,63,63,63	0
56	MG	1e	302	1/1	0.96	0.16	147,147,147,147	0
56	MG	2A	3231	1/1	0.96	0.23	95,95,95,95	0
56	MG	1A	4795	1/1	0.96	0.17	79,79,79,79	0
56	MG	2A	3771	1/1	0.96	0.22	101,101,101,101	0
56	MG	2A	3772	1/1	0.96	0.10	98,98,98,98	0
56	MG	1A	4019	1/1	0.96	0.49	77,77,77,77	0
56	MG	2a	1832	1/1	0.96	0.10	138,138,138,138	0
56	MG	2A	3234	1/1	0.96	0.20	103,103,103,103	0
56	MG	2a	1835	1/1	0.96	0.27	152,152,152,152	0
56	MG	1a	1825	1/1	0.96	0.26	214,214,214,214	0
56	MG	1A	4364	1/1	0.96	0.40	72,72,72,72	0
56	MG	1A	4095	1/1	0.96	0.32	62,62,62,62	0
56	MG	2A	3404	1/1	0.96	0.18	135,135,135,135	0
56	MG	2A	3405	1/1	0.96	0.28	130,130,130,130	0
56	MG	1A	4031	1/1	0.96	0.17	56,56,56,56	0
56	MG	2A	3240	1/1	0.96	0.30	120,120,120,120	0
56	MG	1A	4588	1/1	0.96	0.26	79,79,79,79	0
56	MG	1a	1714	1/1	0.96	0.28	118,118,118,118	0
56	MG	2A	3784	1/1	0.96	0.35	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	1A	4522	1/1	0.96	0.24	76,76,76,76	0
56	MG	2A	3786	1/1	0.96	0.18	123,123,123,123	0
56	MG	1A	4590	1/1	0.96	0.78	71,71,71,71	0
56	MG	2A	3788	1/1	0.96	0.23	124,124,124,124	0
56	MG	1A	4523	1/1	0.96	0.38	68,68,68,68	0
56	MG	1a	1721	1/1	0.96	0.12	134,134,134,134	0
56	MG	1B	217	1/1	0.96	0.23	71,71,71,71	0
56	MG	1a	1618	1/1	0.96	0.31	94,94,94,94	0
56	MG	2A	3110	1/1	0.96	0.19	189,189,189,189	0
56	MG	1A	4982	1/1	0.96	0.13	54,54,54,54	0
56	MG	1A	4204	1/1	0.96	0.14	64,64,64,64	0
56	MG	1A	4115	1/1	0.96	0.24	62,62,62,62	0
56	MG	1A	4595	1/1	0.96	0.37	62,62,62,62	0
56	MG	1A	4898	1/1	0.96	0.29	60,60,60,60	0
56	MG	2A	3117	1/1	0.96	0.23	134,134,134,134	0
56	MG	2A	3803	1/1	0.96	0.19	112,112,112,112	0
56	MG	2a	1864	1/1	0.96	0.32	161,161,161,161	0
56	MG	2A	3256	1/1	0.96	0.25	92,92,92,92	0
56	MG	2A	3427	1/1	0.96	0.36	95,95,95,95	0
56	MG	1x	302	1/1	0.96	0.10	45,45,45,45	0
56	MG	1A	4596	1/1	0.96	0.10	65,65,65,65	0
56	MG	1A	4211	1/1	0.96	0.36	57,57,57,57	0
56	MG	1B	225	1/1	0.96	0.37	92,92,92,92	0
56	MG	2A	3813	1/1	0.96	0.17	126,126,126,126	0
56	MG	1A	4179	1/1	0.96	0.14	60,60,60,60	0
56	MG	1a	1846	1/1	0.96	0.78	193,193,193,193	0
56	MG	2A	3435	1/1	0.96	0.44	97,97,97,97	0
56	MG	2A	3610	1/1	0.96	0.71	114,114,114,114	0
56	MG	1a	1628	1/1	0.96	0.35	101,101,101,101	0
56	MG	2A	3127	1/1	0.96	0.37	135,135,135,135	0
56	MG	1D	301	1/1	0.96	0.28	65,65,65,65	0
56	MG	2A	3268	1/1	0.96	0.25	94,94,94,94	0
56	MG	1A	4420	1/1	0.96	0.24	50,50,50,50	0
56	MG	1A	4421	1/1	0.96	0.13	58,58,58,58	0
56	MG	1a	1632	1/1	0.96	0.18	118,118,118,118	0
56	MG	2A	3619	1/1	0.96	0.20	133,133,133,133	0
56	MG	2A	3621	1/1	0.96	0.61	95,95,95,95	0
56	MG	1A	4067	1/1	0.96	0.33	86,86,86,86	0
56	MG	1a	1743	1/1	0.96	0.25	139,139,139,139	0
56	MG	1A	4424	1/1	0.96	0.17	61,61,61,61	0
56	MG	1A	4740	1/1	0.96	0.14	79,79,79,79	0
56	MG	1A	4099	1/1	0.96	0.12	69,69,69,69	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	1E	301	1/1	0.96	0.18	57,57,57,57	0
56	MG	1A	4825	1/1	0.96	0.16	92,92,92,92	0
56	MG	2A	3454	1/1	0.96	0.17	90,90,90,90	0
56	MG	1A	4245	1/1	0.96	0.23	52,52,52,52	0
56	MG	2A	3457	1/1	0.96	0.46	93,93,93,93	0
56	MG	2A	3140	1/1	0.96	0.29	101,101,101,101	0
56	MG	1A	4829	1/1	0.96	0.25	74,74,74,74	0
56	MG	1A	4830	1/1	0.96	0.28	76,76,76,76	0
56	MG	1A	5009	1/1	0.96	0.25	72,72,72,72	0
56	MG	1A	4675	1/1	0.96	0.23	104,104,104,104	0
56	MG	1A	4536	1/1	0.96	1.13	115,115,115,115	0
56	MG	1a	1756	1/1	0.96	0.20	109,109,109,109	0
56	MG	2A	3641	1/1	0.96	0.26	127,127,127,127	0
56	MG	1A	5013	1/1	0.96	0.55	38,38,38,38	0
56	MG	2a	1701	1/1	0.96	0.24	146,146,146,146	0
56	MG	1A	4246	1/1	0.96	0.20	51,51,51,51	0
56	MG	2B	202	1/1	0.96	0.19	137,137,137,137	0
56	MG	1a	1650	1/1	0.96	0.23	123,123,123,123	0
56	MG	1A	4922	1/1	0.96	0.18	67,67,67,67	0
56	MG	1A	4005	1/1	0.96	0.21	65,65,65,65	0
56	MG	1A	4249	1/1	0.96	0.18	52,52,52,52	0
56	MG	2a	1708	1/1	0.96	0.24	152,152,152,152	0
56	MG	1A	4541	1/1	0.96	0.32	56,56,56,56	0
56	MG	1A	4062	1/1	0.96	0.41	72,72,72,72	0
56	MG	1A	4838	1/1	0.96	0.38	73,73,73,73	0
56	MG	2A	3651	1/1	0.96	0.14	118,118,118,118	0
56	MG	2a	1917	1/1	0.96	0.14	86,86,86,86	0
56	MG	2A	3475	1/1	0.96	0.60	111,111,111,111	0
56	MG	2a	1919	1/1	0.96	0.12	155,155,155,155	0
56	MG	2A	3031	1/1	0.96	0.53	103,103,103,103	0
56	MG	2A	3158	1/1	0.96	0.40	107,107,107,107	0
56	MG	2A	3657	1/1	0.96	0.12	103,103,103,103	0
56	MG	1A	4105	1/1	0.96	0.37	46,46,46,46	0
56	MG	2A	3033	1/1	0.96	0.75	107,107,107,107	0
56	MG	1A	4158	1/1	0.96	0.35	58,58,58,58	0
56	MG	2A	3663	1/1	0.96	0.19	95,95,95,95	0
56	MG	1a	1769	1/1	0.96	0.20	131,131,131,131	0
56	MG	2A	3163	1/1	0.96	0.22	103,103,103,103	0
56	MG	1A	4620	1/1	0.96	0.20	107,107,107,107	0
56	MG	2A	3315	1/1	0.96	0.20	90,90,90,90	0
56	MG	2A	3485	1/1	0.96	0.35	60,60,60,60	0
56	MG	2A	3316	1/1	0.96	0.26	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	4258	1/1	0.96	0.19	68,68,68,68	0
56	MG	2A	3318	1/1	0.96	0.48	83,83,83,83	0
56	MG	1A	4089	1/1	0.96	0.31	67,67,67,67	0
56	MG	2A	3320	1/1	0.96	0.62	88,88,88,88	0
56	MG	1a	1773	1/1	0.96	0.32	143,143,143,143	0
56	MG	1A	4934	1/1	0.96	0.33	77,77,77,77	0
56	MG	1a	1663	1/1	0.96	0.27	115,115,115,115	0
56	MG	2A	3682	1/1	0.96	0.39	123,123,123,123	0
56	MG	2A	3495	1/1	0.96	0.26	106,106,106,106	0
56	MG	1A	5030	1/1	0.96	0.32	72,72,72,72	0
56	MG	2A	3499	1/1	0.96	0.16	100,100,100,100	0
56	MG	1a	1665	1/1	0.96	0.12	132,132,132,132	0
56	MG	1A	4162	1/1	0.96	0.17	56,56,56,56	0
56	MG	2A	3688	1/1	0.96	0.61	143,143,143,143	0
56	MG	1A	4438	1/1	0.96	0.09	65,65,65,65	0
56	MG	2A	3047	1/1	0.96	0.26	99,99,99,99	0
56	MG	1A	4140	1/1	0.96	0.27	70,70,70,70	0
56	MG	1A	4164	1/1	0.96	0.27	58,58,58,58	0
56	MG	2A	3334	1/1	0.96	0.31	105,105,105,105	0
56	MG	2A	3694	1/1	0.96	0.53	61,61,61,61	0
56	MG	1A	4070	1/1	0.96	0.21	67,67,67,67	0
56	MG	1A	4552	1/1	0.96	0.25	71,71,71,71	0
56	MG	2A	3511	1/1	0.96	0.19	89,89,89,89	0
56	MG	2A	3182	1/1	0.96	0.50	105,105,105,105	0
56	MG	2A	3054	1/1	0.96	0.20	100,100,100,100	0
56	MG	2A	3514	1/1	0.96	0.12	114,114,114,114	0
56	MG	2A	3702	1/1	0.96	0.25	92,92,92,92	0
56	MG	2A	3515	1/1	0.96	0.35	115,115,115,115	0
56	MG	1U	202	1/1	0.96	0.21	58,58,58,58	0
56	MG	1A	4554	1/1	0.96	0.25	79,79,79,79	0
56	MG	1A	4229	1/1	0.96	0.32	111,111,111,111	0
56	MG	2A	3187	1/1	0.96	0.18	105,105,105,105	0
56	MG	2A	3710	1/1	0.96	0.22	95,95,95,95	0
56	MG	1A	4945	1/1	0.96	0.13	73,73,73,73	0
56	MG	2A	3189	1/1	0.96	0.27	113,113,113,113	0
56	MG	2A	3714	1/1	0.96	0.25	101,101,101,101	0
56	MG	2A	3345	1/1	0.96	0.36	83,83,83,83	0
56	MG	2A	3716	1/1	0.96	0.24	116,116,116,116	0
56	MG	2A	3190	1/1	0.96	0.47	98,98,98,98	0
56	MG	2s	103	1/1	0.96	0.10	251,251,251,251	0
56	MG	2A	3525	1/1	0.96	0.18	106,106,106,106	0
56	MG	1a	1679	1/1	0.96	0.16	163,163,163,163	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	1A	4391	1/1	0.96	0.23	93,93,93,93	0
56	MG	1A	4344	1/1	0.96	0.13	70,70,70,70	0
56	MG	1A	4446	1/1	0.96	0.37	59,59,59,59	0
56	MG	2A	3195	1/1	0.96	0.49	90,90,90,90	0
56	MG	2A	3354	1/1	0.96	0.34	79,79,79,79	0
56	MG	2w	201	1/1	0.96	0.13	84,84,84,84	0
56	MG	1A	4025	1/1	0.96	0.32	67,67,67,67	0
56	MG	2x	101	1/1	0.96	0.87	62,62,62,62	0
56	MG	2A	3356	1/1	0.96	0.30	80,80,80,80	0
56	MG	1A	4196	1/1	0.96	0.32	73,73,73,73	0
56	MG	1A	4269	1/1	0.96	0.15	69,69,69,69	0
56	MG	2A	3730	1/1	0.96	0.36	99,99,99,99	0
56	MG	1A	4353	1/1	0.96	0.28	59,59,59,59	0
56	MG	1A	4572	1/1	0.96	0.18	83,83,83,83	0
56	MG	1A	4573	1/1	0.96	0.18	70,70,70,70	0
56	MG	1A	4399	1/1	0.96	0.14	77,77,77,77	0
56	MG	1A	4871	1/1	0.96	0.24	55,55,55,55	0
56	MG	1A	4270	1/1	0.96	0.34	68,68,68,68	0
56	MG	1A	4577	1/1	0.96	0.08	58,58,58,58	0
56	MG	2A	3074	1/1	0.96	0.15	138,138,138,138	0
56	MG	1A	4272	1/1	0.96	0.31	68,68,68,68	0
56	MG	2A	3370	1/1	0.96	0.20	99,99,99,99	0
56	MG	1a	1806	1/1	0.96	0.19	135,135,135,135	0
56	MG	2A	3209	1/1	0.96	0.24	93,93,93,93	0
56	MG	1a	1695	1/1	0.96	0.07	159,159,159,159	0
56	MG	1a	1808	1/1	0.96	0.40	122,122,122,122	0
56	MG	2A	3079	1/1	0.96	0.15	125,125,125,125	0
56	MG	2a	1601	1/1	0.96	0.18	122,122,122,122	0
56	MG	2A	3748	1/1	0.96	0.33	104,104,104,104	0
56	MG	2A	3749	1/1	0.96	0.24	93,93,93,93	0
56	MG	1a	1696	1/1	0.96	0.13	159,159,159,159	0
56	MG	1A	4029	1/1	0.96	0.27	51,51,51,51	0
56	MG	2a	1802	1/1	0.96	0.27	166,166,166,166	0
56	MG	1A	5063	1/1	0.96	0.16	58,58,58,58	0
56	MG	1A	4128	1/1	0.96	0.20	60,60,60,60	0
56	MG	1A	4145	1/1	0.96	0.47	51,51,51,51	0
56	MG	2A	3219	1/1	0.96	0.28	110,110,110,110	0
56	MG	1a	1815	1/1	0.96	0.24	171,171,171,171	0
56	MG	2A	3352	1/1	0.97	0.18	89,89,89,89	0
56	MG	1A	4496	1/1	0.97	0.76	60,60,60,60	0
56	MG	2A	3656	1/1	0.97	0.51	109,109,109,109	0
56	MG	1A	5057	1/1	0.97	0.21	170,170,170,170	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
56	MG	2A	3827	1/1	0.97	0.10	105,105,105,105	0
56	MG	2a	1655	1/1	0.97	0.06	142,142,142,142	0
56	MG	1A	4111	1/1	0.97	0.30	49,49,49,49	0
56	MG	1A	4041	1/1	0.97	0.64	74,74,74,74	0
56	MG	1A	4556	1/1	0.97	0.17	58,58,58,58	0
56	MG	2A	3507	1/1	0.97	0.22	128,128,128,128	0
56	MG	1A	4557	1/1	0.97	0.38	58,58,58,58	0
56	MG	2A	3665	1/1	0.97	0.22	129,129,129,129	0
56	MG	1A	4558	1/1	0.97	0.25	66,66,66,66	0
56	MG	1A	4407	1/1	0.97	0.25	52,52,52,52	0
56	MG	1A	4127	1/1	0.97	0.45	63,63,63,63	0
56	MG	1a	1716	1/1	0.97	0.22	120,120,120,120	0
56	MG	1a	1717	1/1	0.97	0.43	110,110,110,110	0
56	MG	1A	4167	1/1	0.97	0.37	58,58,58,58	0
56	MG	2A	3840	1/1	0.97	0.26	117,117,117,117	0
56	MG	1a	1610	1/1	0.97	0.34	90,90,90,90	0
56	MG	2A	3368	1/1	0.97	0.25	100,100,100,100	0
56	MG	2A	3518	1/1	0.97	0.10	96,96,96,96	0
56	MG	1a	1720	1/1	0.97	0.40	124,124,124,124	0
56	MG	2A	3679	1/1	0.97	0.49	106,106,106,106	0
56	MG	1A	4088	1/1	0.97	0.24	66,66,66,66	0
56	MG	1A	4302	1/1	0.97	0.42	80,80,80,80	0
56	MG	1A	4564	1/1	0.97	0.34	56,56,56,56	0
56	MG	1A	4413	1/1	0.97	0.20	63,63,63,63	0
56	MG	1a	1726	1/1	0.97	0.09	127,127,127,127	0
56	MG	1A	4782	1/1	0.97	0.23	81,81,81,81	0
56	MG	1A	4877	1/1	0.97	0.15	81,81,81,81	0
56	MG	2A	3378	1/1	0.97	0.15	106,106,106,106	0
56	MG	1B	210	1/1	0.97	0.54	89,89,89,89	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	4103	1/1	0.97	0.26	50,50,50,50	0
56	MG	1A	4569	1/1	0.97	0.32	60,60,60,60	0
56	MG	1A	4974	1/1	0.97	0.11	74,74,74,74	0
56	MG	2A	3386	1/1	0.97	0.21	125,125,125,125	0
56	MG	1a	1847	1/1	0.97	0.12	184,184,184,184	0
56	MG	2A	3696	1/1	0.97	0.27	105,105,105,105	0
56	MG	1A	4570	1/1	0.97	0.30	60,60,60,60	0
56	MG	1A	4508	1/1	0.97	0.25	70,70,70,70	0
56	MG	1A	4641	1/1	0.97	0.16	79,79,79,79	0
56	MG	2A	3124	1/1	0.97	0.20	125,125,125,125	0
56	MG	1a	1851	1/1	0.97	0.16	175,175,175,175	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	1A	4109	1/1	0.97	0.21	54,54,54,54	0
56	MG	2A	3703	1/1	0.97	0.43	94,94,94,94	0
56	MG	1A	4574	1/1	0.97	0.25	57,57,57,57	0
56	MG	2A	3705	1/1	0.97	0.26	98,98,98,98	0
56	MG	1A	4793	1/1	0.97	0.17	108,108,108,108	0
56	MG	1A	4335	1/1	0.97	0.19	76,76,76,76	0
56	MG	1A	4983	1/1	0.97	0.21	56,56,56,56	0
56	MG	1a	1633	1/1	0.97	0.18	109,109,109,109	0
56	MG	2A	3011	1/1	0.97	0.29	104,104,104,104	0
56	MG	2a	1891	1/1	0.97	0.11	157,157,157,157	0
56	MG	2A	3711	1/1	0.97	0.17	95,95,95,95	0
56	MG	1A	4713	1/1	0.97	0.26	55,55,55,55	0
56	MG	2A	3013	1/1	0.97	0.38	118,118,118,118	0
56	MG	1a	1635	1/1	0.97	0.16	121,121,121,121	0
56	MG	1A	4458	1/1	0.97	0.34	60,60,60,60	0
56	MG	1A	4418	1/1	0.97	0.20	52,52,52,52	0
56	MG	2A	3406	1/1	0.97	0.14	140,140,140,140	0
56	MG	1a	1750	1/1	0.97	0.17	134,134,134,134	0
56	MG	2D	304	1/1	0.97	0.13	107,107,107,107	0
56	MG	2D	305	1/1	0.97	0.12	96,96,96,96	0
56	MG	1A	4717	1/1	0.97	0.64	81,81,81,81	0
56	MG	1A	4513	1/1	0.97	0.28	78,78,78,78	0
56	MG	2a	1720	1/1	0.97	0.10	153,153,153,153	0
56	MG	1A	4159	1/1	0.97	0.18	50,50,50,50	0
56	MG	1A	4205	1/1	0.97	0.20	56,56,56,56	0
56	MG	2A	3723	1/1	0.97	0.20	96,96,96,96	0
56	MG	1A	4206	1/1	0.97	0.36	55,55,55,55	0
56	MG	1A	4808	1/1	0.97	0.23	53,53,53,53	0
56	MG	1A	4517	1/1	0.97	0.78	81,81,81,81	0
56	MG	1A	4810	1/1	0.97	0.12	63,63,63,63	0
56	MG	1a	1759	1/1	0.97	0.19	104,104,104,104	0
56	MG	2A	3274	1/1	0.97	0.21	83,83,83,83	0
56	MG	2N	202	1/1	0.97	0.40	84,84,84,84	0
56	MG	1A	4276	1/1	0.97	0.30	67,67,67,67	0
56	MG	2A	3731	1/1	0.97	0.24	86,86,86,86	0
56	MG	2A	3276	1/1	0.97	0.29	85,85,85,85	0
56	MG	2A	3568	1/1	0.97	0.22	92,92,92,92	0
56	MG	1A	4423	1/1	0.97	0.21	53,53,53,53	0
56	MG	2A	3422	1/1	0.97	0.10	130,130,130,130	0
56	MG	1A	4813	1/1	0.97	0.14	70,70,70,70	0
56	MG	1A	4814	1/1	0.97	0.69	59,59,59,59	0
56	MG	1A	4907	1/1	0.97	0.20	52,52,52,52	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	1A	4465	1/1	0.97	0.19	60,60,60,60	0
56	MG	1A	5008	1/1	0.97	0.21	76,76,76,76	0
56	MG	1A	4277	1/1	0.97	0.58	53,53,53,53	0
56	MG	1A	5010	1/1	0.97	0.28	75,75,75,75	0
56	MG	1A	4342	1/1	0.97	0.17	65,65,65,65	0
56	MG	1A	4658	1/1	0.97	0.33	96,96,96,96	0
56	MG	1A	4468	1/1	0.97	0.21	58,58,58,58	0
56	MG	2A	3433	1/1	0.97	0.48	92,92,92,92	0
56	MG	1A	4914	1/1	0.97	0.18	74,74,74,74	0
56	MG	2a	1750	1/1	0.97	0.91	120,120,120,120	0
56	MG	2a	1751	1/1	0.97	0.26	116,116,116,116	0
56	MG	2A	3290	1/1	0.97	0.30	112,112,112,112	0
56	MG	1a	1886	1/1	0.97	0.22	125,125,125,125	0
56	MG	1a	1887	1/1	0.97	0.17	130,130,130,130	0
56	MG	2A	3293	1/1	0.97	0.52	94,94,94,94	0
56	MG	1a	1888	1/1	0.97	0.16	119,119,119,119	0
56	MG	2A	3165	1/1	0.97	0.21	98,98,98,98	0
56	MG	2A	3296	1/1	0.97	0.37	94,94,94,94	0
56	MG	1A	4469	1/1	0.97	0.19	56,56,56,56	0
56	MG	2A	3445	1/1	0.97	0.47	86,86,86,86	0
56	MG	1A	4470	1/1	0.97	0.18	54,54,54,54	0
56	MG	1P	204	1/1	0.97	0.10	88,88,88,88	0
56	MG	1A	4426	1/1	0.97	0.18	77,77,77,77	0
56	MG	1A	4919	1/1	0.97	0.29	62,62,62,62	0
56	MG	2A	3600	1/1	0.97	0.07	118,118,118,118	0
56	MG	2A	3764	1/1	0.97	0.10	151,151,151,151	0
56	MG	2A	3049	1/1	0.97	0.34	94,94,94,94	0
56	MG	2A	3602	1/1	0.97	0.18	97,97,97,97	0
56	MG	2A	3304	1/1	0.97	0.50	127,127,127,127	0
56	MG	27	102	1/1	0.97	0.56	89,89,89,89	0
56	MG	27	103	1/1	0.97	0.12	97,97,97,97	0
56	MG	1A	4122	1/1	0.97	0.40	66,66,66,66	0
56	MG	1A	4251	1/1	0.97	0.23	60,60,60,60	0
56	MG	1A	4826	1/1	0.97	0.39	91,91,91,91	0
56	MG	1a	1668	1/1	0.97	0.07	139,139,139,139	0
56	MG	1A	4476	1/1	0.97	0.17	66,66,66,66	0
56	MG	2A	3177	1/1	0.97	0.47	113,113,113,113	0
56	MG	1A	4666	1/1	0.97	0.49	78,78,78,78	0
56	MG	2A	3313	1/1	0.97	0.22	95,95,95,95	0
56	MG	1A	4741	1/1	0.97	0.28	75,75,75,75	0
56	MG	1A	4252	1/1	0.97	0.40	54,54,54,54	0
56	MG	1A	4281	1/1	0.97	0.30	70,70,70,70	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	1A	4096	1/1	0.97	0.36	55,55,55,55	0
56	MG	2q	203	1/1	0.97	0.28	151,151,151,151	0
56	MG	2a	1605	1/1	0.97	0.27	127,127,127,127	0
56	MG	1A	4534	1/1	0.97	0.20	78,78,78,78	0
56	MG	1A	5032	1/1	0.97	0.20	83,83,83,83	0
56	MG	1A	4351	1/1	0.97	0.09	67,67,67,67	0
56	MG	2A	3620	1/1	0.97	0.43	122,122,122,122	0
56	MG	1A	4254	1/1	0.97	0.30	66,66,66,66	0
56	MG	1A	4255	1/1	0.97	0.29	65,65,65,65	0
56	MG	2A	3623	1/1	0.97	0.31	147,147,147,147	0
56	MG	2A	3326	1/1	0.97	0.40	85,85,85,85	0
56	MG	1A	4256	1/1	0.97	0.34	65,65,65,65	0
56	MG	1A	4539	1/1	0.97	0.19	69,69,69,69	0
56	MG	2A	3790	1/1	0.97	0.33	96,96,96,96	0
56	MG	2A	3068	1/1	0.97	0.23	148,148,148,148	0
56	MG	1A	4176	1/1	0.97	0.22	59,59,59,59	0
56	MG	1A	5039	1/1	0.97	0.11	68,68,68,68	0
56	MG	1A	4213	1/1	0.97	0.40	57,57,57,57	0
56	MG	1A	4177	1/1	0.97	0.20	58,58,58,58	0
56	MG	2A	3796	1/1	0.97	0.18	96,96,96,96	0
56	MG	1A	4440	1/1	0.97	0.22	73,73,73,73	0
56	MG	1A	5043	1/1	0.97	0.62	71,71,71,71	0
56	MG	1A	4400	1/1	0.97	0.17	75,75,75,75	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	5048	1/1	0.97	0.09	65,65,65,65	0
56	MG	2A	3804	1/1	0.97	0.29	114,114,114,114	0
56	MG	1A	4760	1/1	0.97	0.25	67,67,67,67	0
56	MG	2a	1631	1/1	0.97	0.09	151,151,151,151	0
56	MG	1A	4152	1/1	0.97	0.31	56,56,56,56	0
56	MG	2A	3081	1/1	0.97	0.18	125,125,125,125	0
56	MG	2a	1813	1/1	0.97	0.10	143,143,143,143	0
56	MG	1A	4852	1/1	0.97	0.44	71,71,71,71	0
56	MG	1a	1811	1/1	0.97	0.17	99,99,99,99	0
56	MG	15	102	1/1	0.97	0.21	60,60,60,60	0
56	MG	2A	3812	1/1	0.97	0.45	144,144,144,144	0
56	MG	2a	1818	1/1	0.97	0.16	156,156,156,156	0
56	MG	1A	4237	1/1	0.97	0.37	73,73,73,73	0
57	ZN	1Y	302	1/1	0.97	0.12	96,96,96,96	0
56	MG	2a	1820	1/1	0.97	0.22	155,155,155,155	0
57	ZN	15	103	1/1	0.97	0.16	74,74,74,74	0
56	MG	1A	4493	1/1	0.97	0.34	68,68,68,68	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
56	MG	2A	3494	1/1	0.97	0.33	134,134,134,134	0
56	MG	17	102	1/1	0.97	0.80	61,61,61,61	0
57	ZN	25	102	1/1	0.97	0.20	119,119,119,119	0
56	MG	1A	4494	1/1	0.97	0.18	78,78,78,78	0
56	MG	2A	3498	1/1	0.97	0.12	102,102,102,102	0
56	MG	2A	3819	1/1	0.97	0.12	42,42,42,42	0
58	SF4	1d	304	8/8	0.97	0.20	150,150,150,150	0
56	MG	18	101	1/1	0.97	0.30	56,56,56,56	0
56	MG	1A	4194	1/1	0.97	0.22	68,68,68,68	0
56	MG	2a	1833	1/1	0.97	0.26	161,161,161,161	0
56	MG	1A	4271	1/1	0.98	0.58	62,62,62,62	0
56	MG	1A	5045	1/1	0.98	0.61	67,67,67,67	0
56	MG	1A	4225	1/1	0.98	0.25	73,73,73,73	0
56	MG	1a	1741	1/1	0.98	0.08	139,139,139,139	0
56	MG	1T	202	1/1	0.98	0.21	83,83,83,83	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	3261	1/1	0.98	0.39	80,80,80,80	0
56	MG	2A	3596	1/1	0.98	0.10	100,100,100,100	0
56	MG	1A	4607	1/1	0.98	0.24	67,67,67,67	0
56	MG	1A	4967	1/1	0.98	0.10	83,83,83,83	0
56	MG	1A	4002	1/1	0.98	0.13	65,65,65,65	0
56	MG	2A	3265	1/1	0.98	0.13	90,90,90,90	0
56	MG	1A	4827	1/1	0.98	0.23	69,69,69,69	0
56	MG	2A	3846	1/1	0.98	0.25	108,108,108,108	0
56	MG	1A	4171	1/1	0.98	0.47	49,49,49,49	0
56	MG	2A	3848	1/1	0.98	0.12	61,61,61,61	0
56	MG	2A	3375	1/1	0.98	0.25	103,103,103,103	0
56	MG	1A	4147	1/1	0.98	0.28	57,57,57,57	0
56	MG	2A	3851	1/1	0.98	0.20	110,110,110,110	0
56	MG	2A	3852	1/1	0.98	0.14	96,96,96,96	0
56	MG	1A	4709	1/1	0.98	0.14	68,68,68,68	0
56	MG	1A	4366	1/1	0.98	0.30	60,60,60,60	0
56	MG	1A	4187	1/1	0.98	0.31	67,67,67,67	0
56	MG	1A	4769	1/1	0.98	0.13	72,72,72,72	0
56	MG	1A	4904	1/1	0.98	0.19	63,63,63,63	0
56	MG	1A	4770	1/1	0.98	0.30	65,65,65,65	0
56	MG	1A	4771	1/1	0.98	0.25	70,70,70,70	0
56	MG	2a	1638	1/1	0.98	0.25	148,148,148,148	0
56	MG	2A	3496	1/1	0.98	0.17	99,99,99,99	0
56	MG	1A	4614	1/1	0.98	0.18	71,71,71,71	0
56	MG	1A	4188	1/1	0.98	0.30	68,68,68,68	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
56	MG	2a	1642	1/1	0.98	0.08	143,143,143,143	0
56	MG	1A	4617	1/1	0.98	0.21	98,98,98,98	0
56	MG	2a	1644	1/1	0.98	0.41	125,125,125,125	0
56	MG	2A	3616	1/1	0.98	0.16	93,93,93,93	0
56	MG	1A	4102	1/1	0.98	0.14	53,53,53,53	0
56	MG	1A	4174	1/1	0.98	0.19	59,59,59,59	0
56	MG	1A	4913	1/1	0.98	0.14	72,72,72,72	0
56	MG	1A	4718	1/1	0.98	0.11	99,99,99,99	0
56	MG	2A	3741	1/1	0.98	0.20	85,85,85,85	0
56	MG	1a	1675	1/1	0.98	0.29	124,124,124,124	0
56	MG	1a	1676	1/1	0.98	0.08	151,151,151,151	0
56	MG	15	101	1/1	0.98	0.23	61,61,61,61	0
56	MG	1A	4161	1/1	0.98	0.21	58,58,58,58	0
56	MG	2A	3396	1/1	0.98	0.16	126,126,126,126	0
56	MG	1A	4668	1/1	0.98	0.28	93,93,93,93	0
56	MG	1A	4044	1/1	0.98	0.15	62,62,62,62	0
56	MG	1A	4991	1/1	0.98	0.15	66,66,66,66	0
56	MG	1A	4338	1/1	0.98	0.14	67,67,67,67	0
56	MG	2a	1660	1/1	0.98	0.44	142,142,142,142	0
56	MG	1A	4283	1/1	0.98	0.35	65,65,65,65	0
56	MG	1A	4995	1/1	0.98	0.18	77,77,77,77	0
56	MG	18	103	1/1	0.98	0.19	75,75,75,75	0
56	MG	1A	4139	1/1	0.98	0.27	68,68,68,68	0
56	MG	1A	4998	1/1	0.98	0.16	80,80,80,80	0
56	MG	1A	4851	1/1	0.98	0.24	72,72,72,72	0
56	MG	1A	4533	1/1	0.98	0.32	68,68,68,68	0
56	MG	1A	4674	1/1	0.98	0.24	91,91,91,91	0
56	MG	2A	3638	1/1	0.98	0.10	114,114,114,114	0
56	MG	2A	3409	1/1	0.98	0.09	116,116,116,116	0
56	MG	1A	4215	1/1	0.98	0.42	54,54,54,54	0
56	MG	1A	4216	1/1	0.98	0.21	62,62,62,62	0
56	MG	1a	1693	1/1	0.98	0.14	136,136,136,136	0
56	MG	2A	3303	1/1	0.98	0.19	113,113,113,113	0
56	MG	1a	1785	1/1	0.98	0.33	136,136,136,136	0
56	MG	1A	4729	1/1	0.98	0.36	64,64,64,64	0
56	MG	1A	4928	1/1	0.98	0.15	77,77,77,77	0
56	MG	1A	4262	1/1	0.98	0.22	66,66,66,66	0
56	MG	1A	4731	1/1	0.98	0.15	54,54,54,54	0
56	MG	1A	4073	1/1	0.98	0.20	71,71,71,71	0
56	MG	1A	4345	1/1	0.98	0.25	65,65,65,65	0
56	MG	2A	3311	1/1	0.98	0.36	102,102,102,102	0
56	MG	1A	4796	1/1	0.98	0.15	100,100,100,100	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
56	MG	2a	1685	1/1	0.98	0.37	167,167,167,167	0
56	MG	2A	3653	1/1	0.98	0.13	117,117,117,117	0
56	MG	2A	3114	1/1	0.98	0.17	153,153,153,153	0
56	MG	1A	4346	1/1	0.98	0.14	72,72,72,72	0
56	MG	1A	4347	1/1	0.98	0.18	66,66,66,66	0
56	MG	1A	4384	1/1	0.98	0.21	66,66,66,66	0
56	MG	2a	1823	1/1	0.98	0.10	153,153,153,153	0
56	MG	2A	3118	1/1	0.98	0.17	135,135,135,135	0
56	MG	2a	1825	1/1	0.98	0.19	169,169,169,169	0
56	MG	2A	3659	1/1	0.98	0.53	149,149,149,149	0
56	MG	1A	4801	1/1	0.98	0.19	76,76,76,76	0
56	MG	1A	5017	1/1	0.98	0.29	68,68,68,68	0
56	MG	1A	4289	1/1	0.98	0.27	68,68,68,68	0
56	MG	2a	1830	1/1	0.98	0.06	147,147,147,147	0
56	MG	2A	3322	1/1	0.98	0.27	88,88,88,88	0
56	MG	1A	4939	1/1	0.98	0.17	71,71,71,71	0
56	MG	1A	4870	1/1	0.98	0.16	54,54,54,54	0
56	MG	2A	3325	1/1	0.98	0.36	88,88,88,88	0
56	MG	2a	1836	1/1	0.98	0.39	124,124,124,124	0
56	MG	1A	4803	1/1	0.98	0.11	101,101,101,101	0
56	MG	2A	3669	1/1	0.98	0.20	92,92,92,92	0
56	MG	2A	3670	1/1	0.98	0.10	92,92,92,92	0
56	MG	2A	3436	1/1	0.98	0.24	104,104,104,104	0
56	MG	1A	4195	1/1	0.98	0.23	68,68,68,68	0
56	MG	2A	3438	1/1	0.98	0.54	79,79,79,79	0
56	MG	2A	3674	1/1	0.98	0.52	145,145,145,145	0
56	MG	1a	1711	1/1	0.98	0.11	125,125,125,125	0
56	MG	1A	4001	1/1	0.98	0.31	65,65,65,65	0
56	MG	1a	1713	1/1	0.98	0.26	109,109,109,109	0
56	MG	2A	3799	1/1	0.98	0.13	116,116,116,116	0
56	MG	2a	1848	1/1	0.98	0.13	157,157,157,157	0
56	MG	1E	307	1/1	0.98	0.38	62,62,62,62	0
56	MG	1A	4944	1/1	0.98	0.17	88,88,88,88	0
56	MG	2A	3557	1/1	0.98	0.22	90,90,90,90	0
56	MG	2A	3228	1/1	0.98	0.14	98,98,98,98	0
56	MG	1A	4220	1/1	0.98	0.29	60,60,60,60	0
56	MG	1A	4352	1/1	0.98	0.24	61,61,61,61	0
56	MG	1A	4056	1/1	0.98	0.49	66,66,66,66	0
56	MG	2A	3807	1/1	0.98	0.23	132,132,132,132	0
56	MG	1N	201	1/1	0.98	0.35	72,72,72,72	0
56	MG	1A	4591	1/1	0.98	0.13	85,85,85,85	0
56	MG	1A	4880	1/1	0.98	0.20	83,83,83,83	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
56	MG	1a	1722	1/1	0.98	0.53	113,113,113,113	0
56	MG	2A	3452	1/1	0.98	0.53	90,90,90,90	0
56	MG	1a	1816	1/1	0.98	0.33	183,183,183,183	0
56	MG	2a	1725	1/1	0.98	0.12	142,142,142,142	0
56	MG	2A	3237	1/1	0.98	0.15	112,112,112,112	0
56	MG	1A	4392	1/1	0.98	0.08	103,103,103,103	0
56	MG	1A	4951	1/1	0.98	0.20	68,68,68,68	0
56	MG	1A	4952	1/1	0.98	0.16	65,65,65,65	0
56	MG	1A	4004	1/1	0.98	0.52	45,45,45,45	0
56	MG	1A	4125	1/1	0.98	0.35	79,79,79,79	0
57	ZN	16	102	1/1	0.98	0.16	82,82,82,82	0
56	MG	1A	4471	1/1	0.98	0.38	60,60,60,60	0
56	MG	1P	205	1/1	0.98	0.10	95,95,95,95	0
56	MG	1A	4017	1/1	0.98	0.26	69,69,69,69	0
56	MG	1a	1643	1/1	0.98	0.23	130,130,130,130	0
56	MG	1A	4553	1/1	0.98	0.22	91,91,91,91	0
56	MG	2A	3149	1/1	0.98	0.48	110,110,110,110	0
56	MG	1A	4599	1/1	0.98	0.13	60,60,60,60	0
56	MG	1A	4358	1/1	0.98	0.14	72,72,72,72	0
58	SF4	2d	303	8/8	0.98	0.13	166,166,166,166	0
56	MG	1A	4555	1/1	0.98	0.35	57,57,57,57	0
56	MG	1a	1736	1/1	0.98	0.63	145,145,145,145	0
56	MG	1A	4397	1/1	0.98	0.12	72,72,72,72	0
56	MG	1A	4043	1/1	0.99	0.23	56,56,56,56	0
56	MG	2A	3471	1/1	0.99	0.17	113,113,113,113	0
56	MG	2A	3053	1/1	0.99	0.16	96,96,96,96	0
56	MG	1A	4744	1/1	0.99	0.20	69,69,69,69	0
56	MG	1A	4210	1/1	0.99	0.29	58,58,58,58	0
56	MG	1D	304	1/1	0.99	0.44	75,75,75,75	0
56	MG	1A	4716	1/1	0.99	0.20	72,72,72,72	0
56	MG	1v	703	1/1	0.99	0.18	116,116,116,116	0
56	MG	1A	4611	1/1	0.99	0.16	54,54,54,54	0
56	MG	1A	4853	1/1	0.99	0.18	78,78,78,78	0
56	MG	1A	4104	1/1	0.99	0.18	56,56,56,56	0
56	MG	1A	4567	1/1	0.99	0.24	56,56,56,56	0
56	MG	1y	103	1/1	0.99	0.72	89,89,89,89	0
56	MG	1A	4856	1/1	0.99	0.14	60,60,60,60	0
56	MG	1A	4817	1/1	0.99	0.17	65,65,65,65	0
56	MG	1A	4092	1/1	0.99	0.11	60,60,60,60	0
56	MG	1A	4994	1/1	0.99	0.16	79,79,79,79	0
56	MG	1E	306	1/1	0.99	0.11	83,83,83,83	0
56	MG	1A	4615	1/1	0.99	0.14	67,67,67,67	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
56	MG	1a	1778	1/1	0.99	0.53	126,126,126,126	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	1A	4388	1/1	0.99	0.21	79,79,79,79	0
56	MG	1A	4571	1/1	0.99	0.15	79,79,79,79	0
56	MG	1A	5000	1/1	0.99	0.12	63,63,63,63	0
56	MG	1A	5001	1/1	0.99	0.09	65,65,65,65	0
56	MG	2A	3210	1/1	0.99	0.26	93,93,93,93	0
56	MG	1O	202	1/1	0.99	0.47	82,82,82,82	0
56	MG	1A	4906	1/1	0.99	0.15	57,57,57,57	0
56	MG	1A	4076	1/1	0.99	0.18	77,77,77,77	0
56	MG	1A	4325	1/1	0.99	0.22	63,63,63,63	0
56	MG	2A	3353	1/1	0.99	0.20	83,83,83,83	0
56	MG	1A	4789	1/1	0.99	0.26	96,96,96,96	0
56	MG	1A	4758	1/1	0.99	0.23	75,75,75,75	0
56	MG	2A	3820	1/1	0.99	0.15	106,106,106,106	0
56	MG	2A	3580	1/1	0.99	0.27	118,118,118,118	0
56	MG	1A	4207	1/1	0.99	0.32	52,52,52,52	0
56	MG	2A	3357	1/1	0.99	0.08	87,87,87,87	0
56	MG	2A	3662	1/1	0.99	0.15	96,96,96,96	0
56	MG	2A	3286	1/1	0.99	0.20	101,101,101,101	0
56	MG	1a	1614	1/1	0.99	0.10	93,93,93,93	0
56	MG	1a	1793	1/1	0.99	0.12	128,128,128,128	0
56	MG	1A	5061	1/1	0.99	0.12	91,91,91,91	0
56	MG	2A	3510	1/1	0.99	0.07	94,94,94,94	0
56	MG	1a	1616	1/1	0.99	0.11	99,99,99,99	0
56	MG	2A	3589	1/1	0.99	0.13	127,127,127,127	0
56	MG	1A	4792	1/1	0.99	0.14	66,66,66,66	0
56	MG	1A	4869	1/1	0.99	0.23	54,54,54,54	0
56	MG	2A	3592	1/1	0.99	0.23	129,129,129,129	0
56	MG	1A	4597	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	4872	1/1	0.99	0.17	54,54,54,54	0
56	MG	1A	4873	1/1	0.99	0.16	55,55,55,55	0
56	MG	2A	3757	1/1	0.99	0.20	127,127,127,127	0
56	MG	1A	4918	1/1	0.99	0.19	61,61,61,61	0
56	MG	1A	4293	1/1	0.99	0.25	78,78,78,78	0
56	MG	1A	4248	1/1	0.99	0.20	56,56,56,56	0
56	MG	1A	4295	1/1	0.99	0.34	83,83,83,83	0
56	MG	1A	5018	1/1	0.99	0.21	71,71,71,71	0
56	MG	1A	4410	1/1	0.99	0.43	47,47,47,47	0
56	MG	1A	4800	1/1	0.99	0.22	69,69,69,69	0

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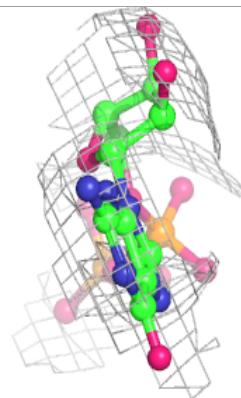
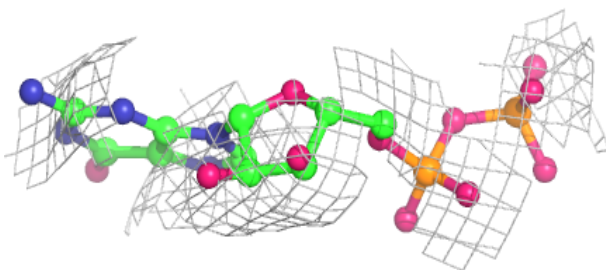
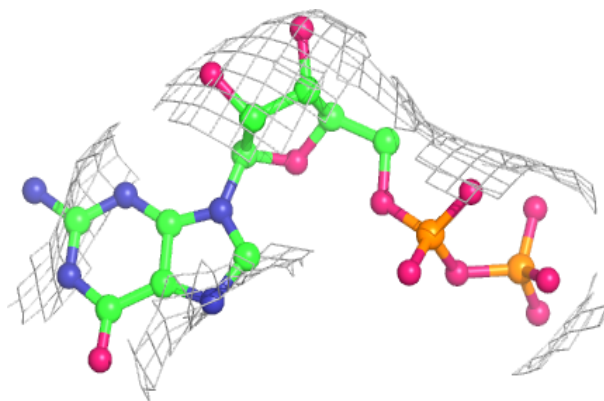
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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	1A	4498	1/1	0.99	0.30	63,63,63,63	0
56	MG	1A	4735	1/1	0.99	0.13	65,65,65,65	0
56	MG	2a	1831	1/1	0.99	0.06	145,145,145,145	0
56	MG	1A	4971	1/1	0.99	0.14	63,63,63,63	0
56	MG	1A	4680	1/1	0.99	0.15	82,82,82,82	0
56	MG	1A	4839	1/1	0.99	0.19	63,63,63,63	0
56	MG	1A	4654	1/1	0.99	0.10	84,84,84,84	0
56	MG	2A	3455	1/1	0.99	0.15	90,90,90,90	0
56	MG	1a	1876	1/1	0.99	0.08	102,102,102,102	0
56	MG	1A	4427	1/1	0.99	0.25	53,53,53,53	0
56	MG	2A	3384	1/1	0.99	0.34	105,105,105,105	0
57	ZN	19	102	1/1	0.99	0.20	80,80,80,80	0
56	MG	1A	4842	1/1	0.99	0.34	78,78,78,78	0
56	MG	1A	5029	1/1	0.99	0.10	69,69,69,69	0
56	MG	2A	3314	1/1	0.99	0.21	93,93,93,93	0
56	MG	2A	3045	1/1	0.99	0.33	93,93,93,93	0
56	MG	1A	4843	1/1	0.99	0.26	76,76,76,76	0
56	MG	1A	4480	1/1	0.99	0.19	80,80,80,80	0
56	MG	2a	1679	1/1	0.99	0.12	166,166,166,166	0
56	MG	2A	3180	1/1	0.99	0.16	116,116,116,116	0
56	MG	1A	4979	1/1	0.99	0.13	58,58,58,58	0
56	MG	1A	4208	1/1	0.99	0.17	56,56,56,56	0
56	MG	1A	4355	1/1	0.99	0.16	67,67,67,67	0
56	MG	1A	4382	1/1	0.99	0.27	68,68,68,68	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

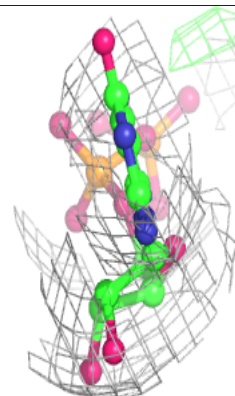
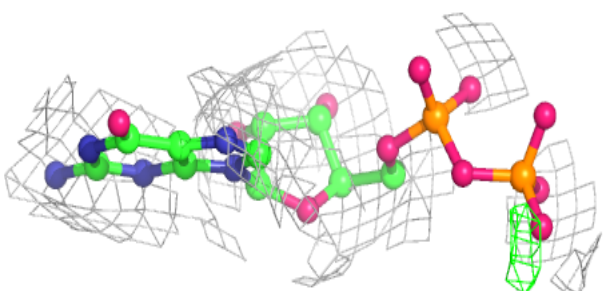
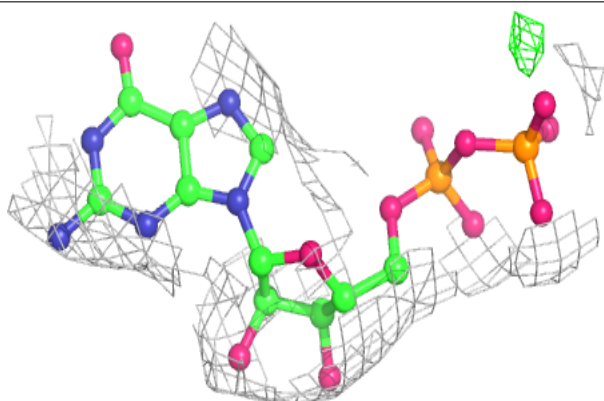
The following is a graphical depiction of the model fit to experimental electron density of all instances of the Ligand of Interest. In addition, ligands with molecular weight > 250 and outliers as shown on the geometry validation Tables will also be included. Each fit is shown from different orientation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