wwPDB X-ray Structure Validation Summary Report (i)

Oct 9, 2023 – 12:25 PM EDT

PDB ID	:	5J4D
Title	:	E. coli release factor 1 bound to the 70S ribosome in response to a pseudouridylated stop codon
Authors	:	Svidritskiy, E.; Korostelev, A.A.
Deposited on	:	2016-03-31
Resolution	:	3.10 Å(reported)

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

We welcome your comments at *validation@mail.wwpdb.org*
A user guide is available at
https://www.wwpdb.org/validation/2017/XrayValidationReportHelp
with specific help available everywhere you see the (i) symbol.

The types of validation reports are described at
http://www.wwpdb.org/validation/2017/FAQs#types.

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

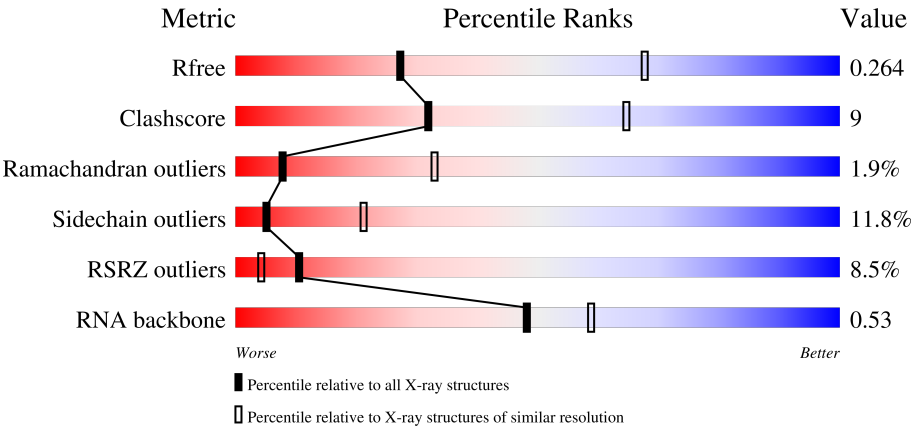
MolProbity	:	4.02b-467
Mogul	:	1.8.5 (274361), CSD as541be (2020)
Xtriage (Phenix)	:	1.13
EDS	:	2.35.1
Percentile statistics	:	20191225.v01 (using entries in the PDB archive December 25th 2019)
Refmac	:	5.8.0158
CCP4	:	7.0.044 (Gargrove)
Ideal geometry (proteins)	:	Engh & Huber (2001)
Ideal geometry (DNA, RNA)	:	Parkinson et al. (1996)
Validation Pipeline (wwPDB-VP)	:	2.35.1

1 Overall quality at a glance (i)

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

The reported resolution of this entry is 3.10 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	1094 (3.10-3.10)
Clashscore	141614	1184 (3.10-3.10)
Ramachandran outliers	138981	1141 (3.10-3.10)
Sidechain outliers	138945	1141 (3.10-3.10)
RSRZ outliers	127900	1067 (3.10-3.10)
RNA backbone	3102	1116 (3.40-2.80)

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

Mol	Chain	Length	Quality of chain
1	A	1507	7% 59% 35% 6%
1	FB	1507	6% 60% 34% 6%
2	B	2880	5% 60% 31% 8%
2	GB	2880	6% 62% 30% 7%

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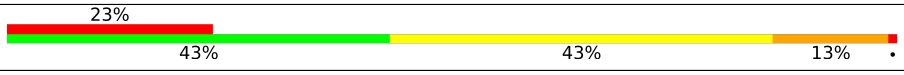
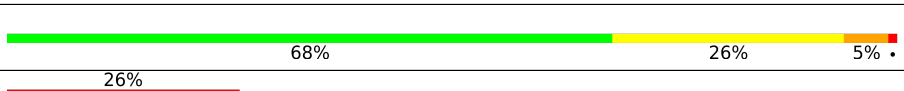
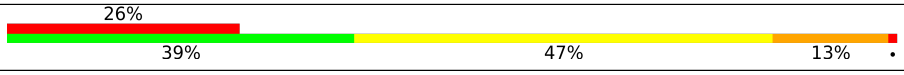
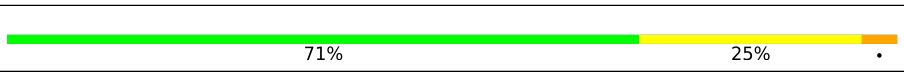
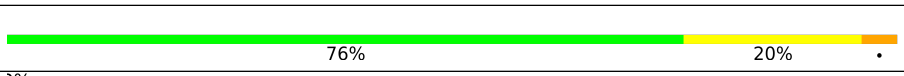
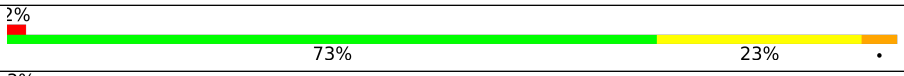
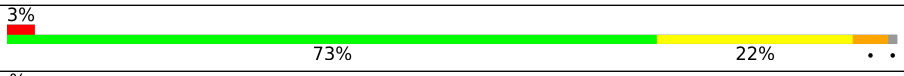
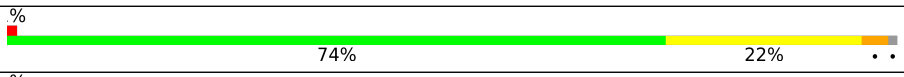
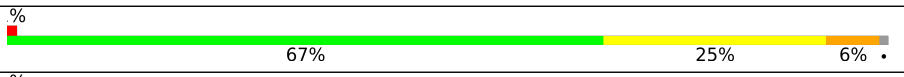
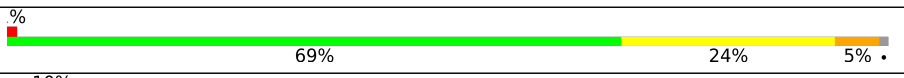
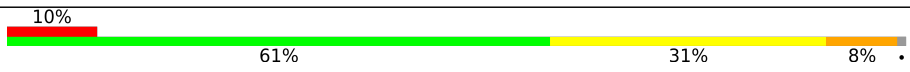
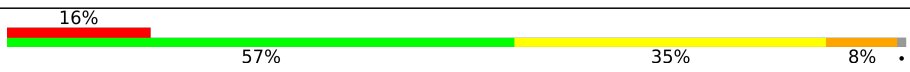
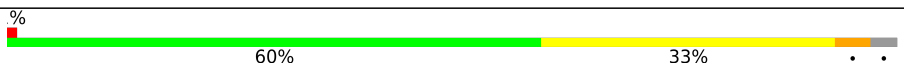
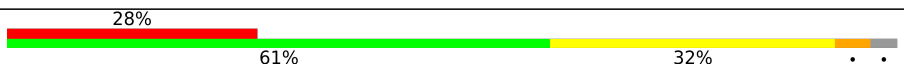
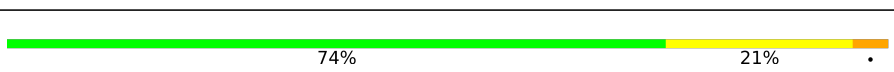
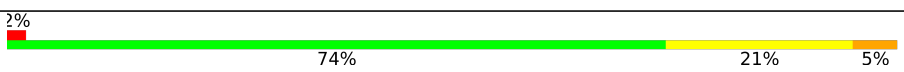
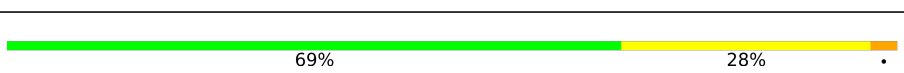
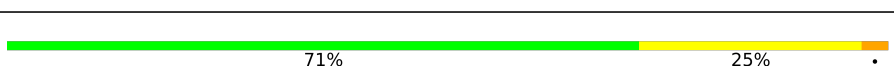
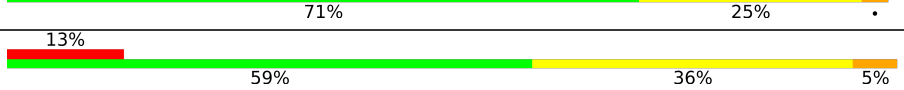
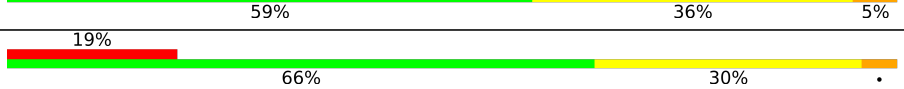
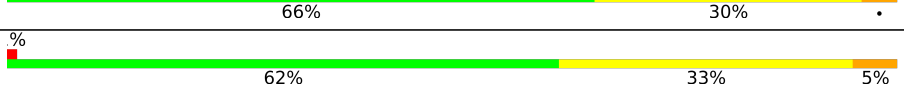
Mol	Chain	Length	Quality of chain
3	C	120	
3	HB	120	
4	D	77	
4	IA	77	
4	IB	77	
4	NC	77	
5	E	275	
5	JB	275	
6	F	206	
6	KB	206	
7	G	205	
7	LB	205	
8	H	182	
8	MB	182	
9	I	180	
9	NB	180	
10	J	148	
10	OB	148	
11	K	140	
11	PB	140	
12	L	122	
12	QB	122	
13	M	150	
13	RB	150	
14	N	141	

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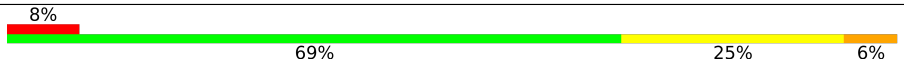
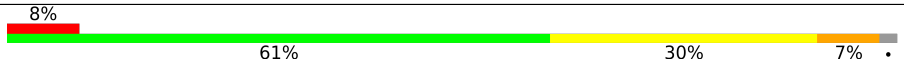
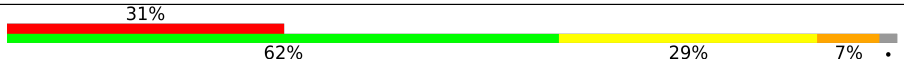
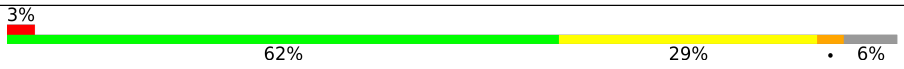
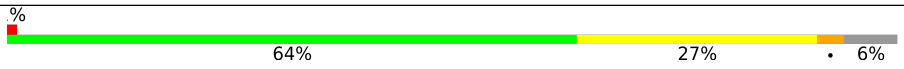
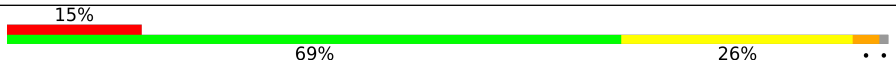
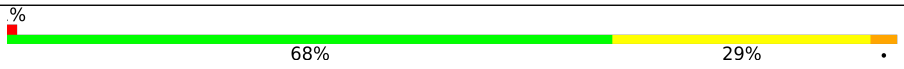
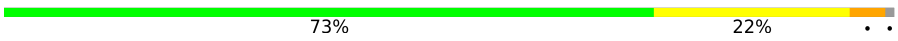
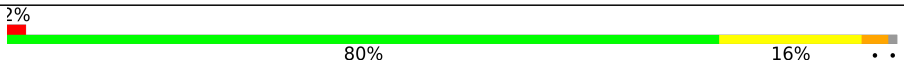
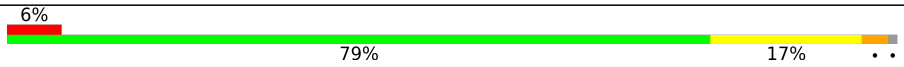
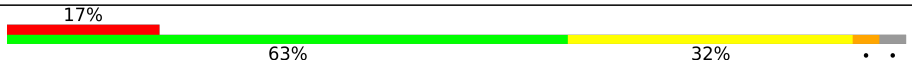
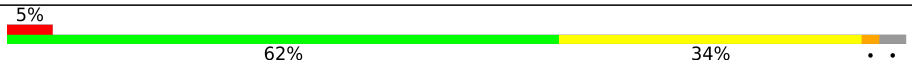
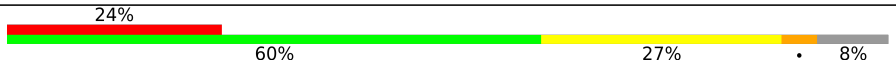
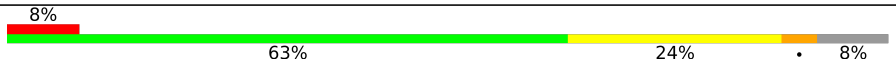
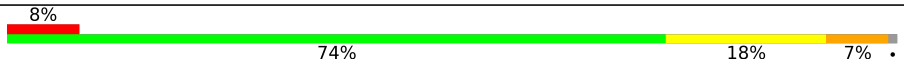
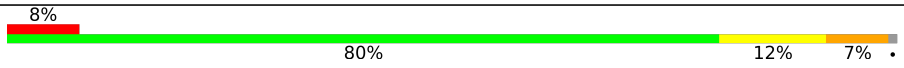
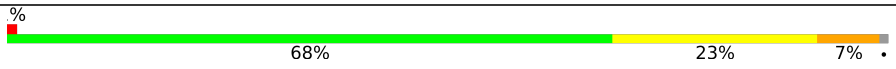
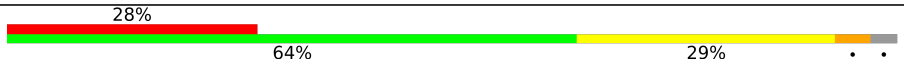
Mol	Chain	Length	Quality of chain
14	SB	141	
15	O	118	
15	TB	118	
16	P	112	
16	UB	112	
17	Q	146	
17	VB	146	
18	R	118	
18	WB	118	
19	S	101	
19	XB	101	
20	T	113	
20	YB	113	
21	U	96	
21	ZB	96	
22	AC	110	
22	V	110	
23	BC	206	
23	W	206	
24	CC	85	
24	X	85	
25	DC	98	
25	Y	98	
26	EC	72	
26	Z	72	

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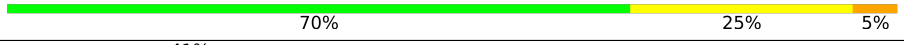
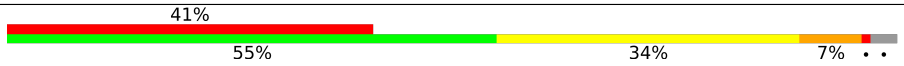
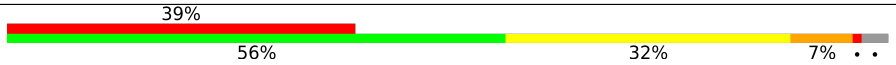
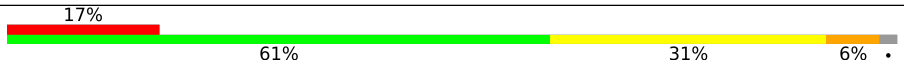
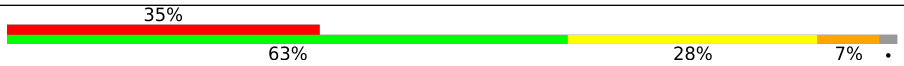
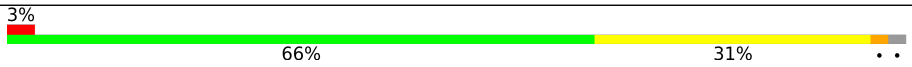
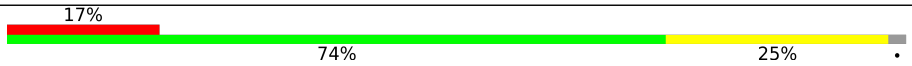
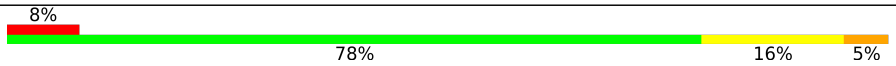
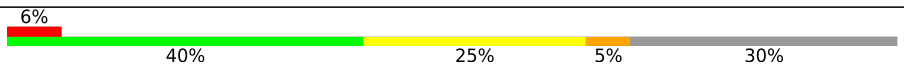
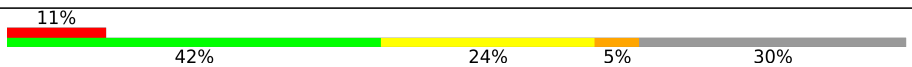
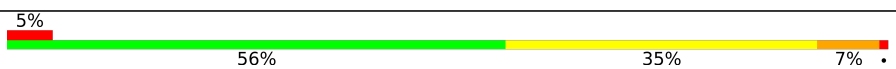
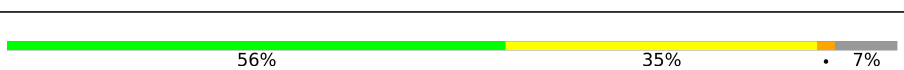
Mol	Chain	Length	Quality of chain
27	AA	60	
27	FC	60	
28	BA	71	
28	GC	71	
29	CA	60	
29	HC	60	
30	DA	54	
30	IC	54	
31	EA	49	
31	JC	49	
32	FA	65	
32	KC	65	
33	GA	37	
33	LC	37	
34	HA	27	
34	MC	27	
35	JA	368	
35	OC	368	
36	KA	256	
36	PC	256	
37	LA	239	
37	QC	239	
38	MA	209	
38	RC	209	
39	NA	162	

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Mol	Chain	Length	Quality of chain
39	SC	162	2% 57% 33% 7%
40	OA	101	% 54% 42%
40	TC	101	8% 58% 39%
41	PA	156	7% 66% 30%
41	UC	156	7% 65% 31%
42	QA	138	6% 55% 39% 6%
42	VC	138	5% 51% 43% 6%
43	RA	128	30% 51% 38% 10%
43	WC	128	28% 53% 36% 10%
44	SA	105	33% 50% 35% 8% 7%
44	XC	105	28% 48% 41% 5% 7%
45	TA	129	4% 60% 25% 5% 10%
45	YC	129	9% 57% 29% 10%
46	UA	132	5% 58% 30% 8%
46	ZC	132	3% 58% 32% 8%
47	AD	126	21% 52% 33% 7% 7%
47	VA	126	13% 53% 33% 7% 7%
48	BD	61	15% 54% 36% 8%
48	WA	61	7% 57% 34% 7%
49	CD	89	8% 66% 29%
49	XA	89	7% 64% 33%
50	DD	88	20% 61% 30% 6%
50	YA	88	43% 67% 24% 6%
51	ED	105	4% 65% 28% 6%
51	ZA	105	3% 61% 31% 6%

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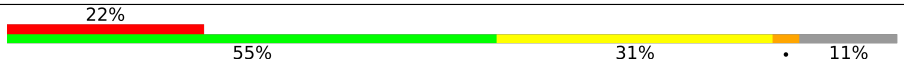
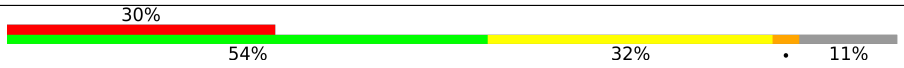
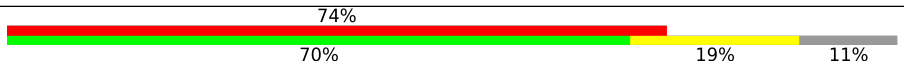
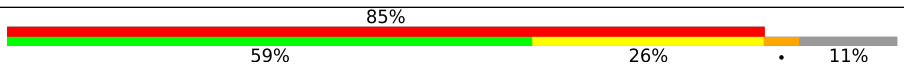
Mol	Chain	Length	Quality of chain
52	AB	88	
52	FD	88	
53	BB	93	
53	GD	93	
54	CB	106	
54	HD	106	
55	DB	27	
55	ID	27	

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
4	PSU	IB	55	-	-	-	X
56	MG	A	1613	-	-	-	X
56	MG	A	1625	-	-	-	X
56	MG	A	1628	-	-	-	X
56	MG	A	1634	-	-	-	X
56	MG	A	1643	-	-	-	X
56	MG	A	1656	-	-	-	X
56	MG	A	1664	-	-	-	X
56	MG	A	1671	-	-	-	X
56	MG	A	1675	-	-	-	X
56	MG	A	1678	-	-	-	X
56	MG	A	1685	-	-	-	X
56	MG	A	1686	-	-	-	X
56	MG	A	1688	-	-	-	X
56	MG	A	1696	-	-	-	X
56	MG	A	1697	-	-	-	X
56	MG	A	1710	-	-	-	X
56	MG	A	1713	-	-	-	X
56	MG	A	1714	-	-	-	X
56	MG	A	1717	-	-	-	X
56	MG	A	1718	-	-	-	X
56	MG	A	1724	-	-	-	X
56	MG	A	1727	-	-	-	X

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
56	MG	A	1731	-	-	-	X
56	MG	A	1738	-	-	-	X
56	MG	A	1743	-	-	-	X
56	MG	A	1747	-	-	-	X
56	MG	A	1768	-	-	-	X
56	MG	A	1770	-	-	-	X
56	MG	A	1775	-	-	-	X
56	MG	A	1776	-	-	-	X
56	MG	A	1778	-	-	-	X
56	MG	A	1780	-	-	-	X
56	MG	A	1788	-	-	-	X
56	MG	A	1792	-	-	-	X
56	MG	A	1798	-	-	-	X
56	MG	A	1799	-	-	-	X
56	MG	A	1809	-	-	-	X
56	MG	A	1810	-	-	-	X
56	MG	A	1819	-	-	-	X
56	MG	A	1824	-	-	-	X
56	MG	A	1831	-	-	-	X
56	MG	A	1833	-	-	-	X
56	MG	A	1843	-	-	-	X
56	MG	A	1847	-	-	-	X
56	MG	A	1849	-	-	-	X
56	MG	A	1852	-	-	-	X
56	MG	A	1868	-	-	-	X
56	MG	A	1874	-	-	-	X
56	MG	A	1875	-	-	-	X
56	MG	A	1878	-	-	-	X
56	MG	A	1880	-	-	-	X
56	MG	B	2962	-	-	-	X
56	MG	B	2992	-	-	-	X
56	MG	B	3003	-	-	-	X
56	MG	B	3017	-	-	-	X
56	MG	B	3023	-	-	-	X
56	MG	B	3039	-	-	-	X
56	MG	B	3051	-	-	-	X
56	MG	B	3077	-	-	-	X
56	MG	B	3120	-	-	-	X
56	MG	B	3235	-	-	-	X
56	MG	B	3284	-	-	-	X
56	MG	B	3287	-	-	-	X
56	MG	B	3308	-	-	-	X

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
56	MG	B	3413	-	-	-	X
56	MG	B	3424	-	-	-	X
56	MG	B	3426	-	-	-	X
56	MG	B	3435	-	-	-	X
56	MG	B	3440	-	-	-	X
56	MG	B	3497	-	-	-	X
56	MG	B	3499	-	-	-	X
56	MG	B	3512	-	-	-	X
56	MG	B	3527	-	-	-	X
56	MG	B	3546	-	-	-	X
56	MG	B	3593	-	-	-	X
56	MG	B	3596	-	-	-	X
56	MG	B	3606	-	-	-	X
56	MG	B	3608	-	-	-	X
56	MG	B	3627	-	-	-	X
56	MG	B	3637	-	-	-	X
56	MG	B	3648	-	-	-	X
56	MG	B	3669	-	-	-	X
56	MG	B	3671	-	-	-	X
56	MG	B	3685	-	-	-	X
56	MG	B	3695	-	-	-	X
56	MG	B	3707	-	-	-	X
56	MG	B	3709	-	-	-	X
56	MG	B	3721	-	-	-	X
56	MG	B	3736	-	-	-	X
56	MG	B	3753	-	-	-	X
56	MG	B	3774	-	-	-	X
56	MG	B	3790	-	-	-	X
56	MG	B	3791	-	-	-	X
56	MG	B	3795	-	-	-	X
56	MG	B	3815	-	-	-	X
56	MG	B	3818	-	-	-	X
56	MG	B	3824	-	-	-	X
56	MG	B	3834	-	-	-	X
56	MG	D	101	-	-	-	X
56	MG	E	308	-	-	-	X
56	MG	FB	1613	-	-	-	X
56	MG	FB	1615	-	-	-	X
56	MG	FB	1622	-	-	-	X
56	MG	FB	1633	-	-	-	X
56	MG	FB	1635	-	-	-	X
56	MG	FB	1638	-	-	-	X

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
56	MG	FB	1641	-	-	-	X
56	MG	FB	1643	-	-	-	X
56	MG	FB	1651	-	-	-	X
56	MG	FB	1677	-	-	-	X
56	MG	FB	1679	-	-	-	X
56	MG	FB	1684	-	-	-	X
56	MG	FB	1686	-	-	-	X
56	MG	FB	1690	-	-	-	X
56	MG	FB	1704	-	-	-	X
56	MG	FB	1712	-	-	-	X
56	MG	FB	1721	-	-	-	X
56	MG	FB	1726	-	-	-	X
56	MG	FB	1727	-	-	-	X
56	MG	FB	1732	-	-	-	X
56	MG	FB	1734	-	-	-	X
56	MG	FB	1741	-	-	-	X
56	MG	FB	1752	-	-	-	X
56	MG	FB	1753	-	-	-	X
56	MG	FB	1755	-	-	-	X
56	MG	FB	1767	-	-	-	X
56	MG	FB	1770	-	-	-	X
56	MG	FB	1771	-	-	-	X
56	MG	FB	1780	-	-	-	X
56	MG	FB	1787	-	-	-	X
56	MG	FB	1790	-	-	-	X
56	MG	FB	1792	-	-	-	X
56	MG	FB	1805	-	-	-	X
56	MG	FB	1807	-	-	-	X
56	MG	FB	1817	-	-	-	X
56	MG	FB	1824	-	-	-	X
56	MG	FB	1837	-	-	-	X
56	MG	FB	1857	-	-	-	X
56	MG	FB	1861	-	-	-	X
56	MG	FB	1862	-	-	-	X
56	MG	FB	1868	-	-	-	X
56	MG	FB	1871	-	-	-	X
56	MG	FB	1874	-	-	-	X
56	MG	FB	1878	-	-	-	X
56	MG	FB	1885	-	-	-	X
56	MG	FB	1888	-	-	-	X
56	MG	FB	1889	-	-	-	X
56	MG	FB	1894	-	-	-	X

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
56	MG	FB	1905	-	-	-	X
56	MG	FB	1910	-	-	-	X
56	MG	FB	1911	-	-	-	X
56	MG	FB	1915	-	-	-	X
56	MG	FB	1917	-	-	-	X
56	MG	FB	1919	-	-	-	X
56	MG	FB	1930	-	-	-	X
56	MG	FB	1934	-	-	-	X
56	MG	FB	1935	-	-	-	X
56	MG	FB	1939	-	-	-	X
56	MG	FB	1943	-	-	-	X
56	MG	G	3210	-	-	-	X
56	MG	G	3211	-	-	-	X
56	MG	GB	2918	-	-	-	X
56	MG	GB	2921	-	-	-	X
56	MG	GB	2922	-	-	-	X
56	MG	GB	2940	-	-	-	X
56	MG	GB	2943	-	-	-	X
56	MG	GB	2952	-	-	-	X
56	MG	GB	2958	-	-	-	X
56	MG	GB	2967	-	-	-	X
56	MG	GB	2979	-	-	-	X
56	MG	GB	2991	-	-	-	X
56	MG	GB	3002	-	-	-	X
56	MG	GB	3004	-	-	-	X
56	MG	GB	3056	-	-	-	X
56	MG	GB	3088	-	-	-	X
56	MG	GB	3097	-	-	-	X
56	MG	GB	3101	-	-	-	X
56	MG	GB	3142	-	-	-	X
56	MG	GB	3183	-	-	-	X
56	MG	GB	3190	-	-	-	X
56	MG	GB	3191	-	-	-	X
56	MG	GB	3198	-	-	-	X
56	MG	GB	3209	-	-	-	X
56	MG	GB	3217	-	-	-	X
56	MG	GB	3218	-	-	-	X
56	MG	GB	3221	-	-	-	X
56	MG	GB	3228	-	-	-	X
56	MG	GB	3237	-	-	-	X
56	MG	GB	3247	-	-	-	X
56	MG	GB	3259	-	-	-	X

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
56	MG	GB	3266	-	-	-	X
56	MG	GB	3278	-	-	-	X
56	MG	GB	3300	-	-	-	X
56	MG	GB	3306	-	-	-	X
56	MG	GB	3323	-	-	-	X
56	MG	GB	3329	-	-	-	X
56	MG	GB	3339	-	-	-	X
56	MG	GB	3347	-	-	-	X
56	MG	GB	3361	-	-	-	X
56	MG	GB	3362	-	-	-	X
56	MG	GB	3383	-	-	-	X
56	MG	GB	3385	-	-	-	X
56	MG	GB	3387	-	-	-	X
56	MG	GB	3395	-	-	-	X
56	MG	GB	3397	-	-	-	X
56	MG	GB	3411	-	-	-	X
56	MG	GB	3416	-	-	-	X
56	MG	GB	3427	-	-	-	X
56	MG	GB	3440	-	-	-	X
56	MG	GB	3452	-	-	-	X
56	MG	GB	3462	-	-	-	X
56	MG	GB	3463	-	-	-	X
56	MG	GB	3468	-	-	-	X
56	MG	GB	3469	-	-	-	X
56	MG	GB	3472	-	-	-	X
56	MG	GB	3474	-	-	-	X
56	MG	GB	3476	-	-	-	X
56	MG	GB	3479	-	-	-	X
56	MG	GB	3490	-	-	-	X
56	MG	GB	3493	-	-	-	X
56	MG	GB	3528	-	-	-	X
56	MG	GB	3534	-	-	-	X
56	MG	GB	3544	-	-	-	X
56	MG	GB	3548	-	-	-	X
56	MG	GB	3554	-	-	-	X
56	MG	GB	3555	-	-	-	X
56	MG	GB	3556	-	-	-	X
56	MG	GB	3563	-	-	-	X
56	MG	GB	3588	-	-	-	X
56	MG	GB	3595	-	-	-	X
56	MG	GB	3598	-	-	-	X
56	MG	GB	3601	-	-	-	X

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
56	MG	GB	3606	-	-	-	X
56	MG	GB	3612	-	-	-	X
56	MG	GB	3626	-	-	-	X
56	MG	GB	3630	-	-	-	X
56	MG	GB	3635	-	-	-	X
56	MG	GB	3638	-	-	-	X
56	MG	GB	3642	-	-	-	X
56	MG	GB	3647	-	-	-	X
56	MG	GB	3674	-	-	-	X
56	MG	GB	3688	-	-	-	X
56	MG	GB	3689	-	-	-	X
56	MG	GB	3692	-	-	-	X
56	MG	GB	3696	-	-	-	X
56	MG	GB	3700	-	-	-	X
56	MG	GB	3701	-	-	-	X
56	MG	GB	3706	-	-	-	X
56	MG	GD	101	-	-	-	X
56	MG	H	203	-	-	-	X
56	MG	HA	102	-	-	-	X
56	MG	HB	211	-	-	-	X
56	MG	HB	219	-	-	-	X
56	MG	IA	108	-	-	-	X
56	MG	JB	304	-	-	-	X
56	MG	KA	304	-	-	-	X
56	MG	KC	105	-	-	-	X
56	MG	MA	301	-	-	-	X
56	MG	MB	202	-	-	-	X
56	MG	MB	205	-	-	-	X
56	MG	NA	201	-	-	-	X
56	MG	NB	201	-	-	-	X
56	MG	NC	106	-	-	-	X
56	MG	PB	202	-	-	-	X
56	MG	QA	202	-	-	-	X
56	MG	QC	301	-	-	-	X
56	MG	QC	303	-	-	-	X
56	MG	R	201	-	-	-	X
56	MG	R	202	-	-	-	X
56	MG	RA	202	-	-	-	X
56	MG	RB	202	-	-	-	X
56	MG	RB	203	-	-	-	X
56	MG	RC	308	-	-	-	X
56	MG	SA	201	-	-	-	X

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
56	MG	SC	202	-	-	-	X
56	MG	TC	201	-	-	-	X
56	MG	VA	201	-	-	-	X
56	MG	VA	202	-	-	-	X
56	MG	VA	203	-	-	-	X
56	MG	VB	208	-	-	-	X
56	MG	WA	101	-	-	-	X
56	MG	XC	201	-	-	-	X
56	MG	YB	207	-	-	-	X

2 Entry composition (i)

There are 57 unique types of molecules in this entry. The entry contains 300991 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 16S ribosomal RNA.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
1	A	1507	Total	C	N	O	P	0	0	0
			32394	14424	5998	10465	1507			
1	FB	1507	Total	C	N	O	P	0	0	0
			32394	14424	5998	10465	1507			

- Molecule 2 is a RNA chain called 25S ribosomal RNA.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
2	B	2880	Total	C	N	O	P	0	0	0
			62031	27612	11589	19950	2880			
2	GB	2880	Total	C	N	O	P	0	0	0
			62031	27612	11589	19950	2880			

- Molecule 3 is a RNA chain called 5S ribosomal RNA.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
3	C	120	Total	C	N	O	P	0	0	0
			2576	1146	476	834	120			
3	HB	120	Total	C	N	O	P	0	0	0
			2576	1146	476	834	120			

- Molecule 4 is a RNA chain called tRNA.

Mol	Chain	Residues	Atoms						ZeroOcc	AltConf	Trace
4	D	77	Total	C	N	O	P	S	0	0	0
			1642	734	297	534	76	1			
4	IA	77	Total	C	N	O	P	S	0	0	0
			1642	734	297	534	76	1			
4	IB	77	Total	C	N	O	P	S	0	0	0
			1642	734	297	534	76	1			
4	NC	77	Total	C	N	O	P	S	0	0	0
			1642	734	297	534	76	1			

- Molecule 5 is a protein called 50S ribosomal protein L2.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
5	E	275	Total	C	N	O	S	0	0	0
			2145	1353	428	361	3			
5	JB	275	Total	C	N	O	S	0	0	0
			2145	1353	428	361	3			

- Molecule 6 is a protein called 50S ribosomal protein L3.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
6	F	204	Total	C	N	O	S	0	0	0
			1563	988	299	270	6			
6	KB	204	Total	C	N	O	S	0	0	0
			1563	988	299	270	6			

- Molecule 7 is a protein called 50S ribosomal protein L4.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
7	G	202	Total	C	N	O	S	0	0	0
			1586	1011	297	275	3			
7	LB	202	Total	C	N	O	S	0	0	0
			1586	1011	297	275	3			

- Molecule 8 is a protein called 50S ribosomal protein L5.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
8	H	181	Total	C	N	O	S	0	0	0
			1471	940	267	260	4			
8	MB	181	Total	C	N	O	S	0	0	0
			1471	940	267	260	4			

- Molecule 9 is a protein called 50S ribosomal protein L6.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
9	I	174	Total	C	N	O	S	0	0	0
			1330	845	248	236	1			
9	NB	174	Total	C	N	O	S	0	0	0
			1330	845	248	236	1			

- Molecule 10 is a protein called 50S ribosomal protein L9.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
10	J	146	Total	C	N	O	S	0	0	0
			1137	727	201	208	1			
10	OB	146	Total	C	N	O	S	0	0	0
			1137	727	201	208	1			

- Molecule 11 is a protein called 50S ribosomal protein L13.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
11	K	140	Total	C	N	O	S	0	0	0
			1121	722	208	187	4			
11	PB	140	Total	C	N	O	S	0	0	0
			1121	722	208	187	4			

- Molecule 12 is a protein called 50S ribosomal protein L14.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
12	L	122	Total	C	N	O	S	0	0	0
			932	587	171	170	4			
12	QB	122	Total	C	N	O	S	0	0	0
			932	587	171	170	4			

- Molecule 13 is a protein called 50S ribosomal protein L15.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
13	M	150	Total	C	N	O	S	0	0	0
			1145	712	232	198	3			
13	RB	150	Total	C	N	O	S	0	0	0
			1145	712	232	198	3			

- Molecule 14 is a protein called 50S ribosomal protein L16.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
14	N	141	Total	C	N	O	S	0	0	0
			1121	715	212	187	7			
14	SB	141	Total	C	N	O	S	0	0	0
			1121	715	212	187	7			

- Molecule 15 is a protein called 50S ribosomal protein L17.

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

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
15	TB	118	Total	C	N	O	S	0	0	0
			968	604	203	160	1			

- Molecule 16 is a protein called 50S ribosomal protein L18.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
16	P	110	Total	C	N	O	0	0	0
			877	553	175	149			
16	UB	110	Total	C	N	O	0	0	0
			877	553	175	149			

- Molecule 17 is a protein called 50S ribosomal protein L19.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
17	Q	137	Total	C	N	O	S	0	0	0
			1143	713	234	195	1			
17	VB	137	Total	C	N	O	S	0	0	0
			1143	713	234	195	1			

- Molecule 18 is a protein called 50S ribosomal protein L20.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
18	R	117	Total	C	N	O	S	0	0	0
			964	610	202	151	1			
18	WB	117	Total	C	N	O	S	0	0	0
			964	610	202	151	1			

- Molecule 19 is a protein called 50S ribosomal protein L21.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
19	S	101	Total	C	N	O	S	0	0	0
			779	501	142	135	1			
19	XB	101	Total	C	N	O	S	0	0	0
			779	501	142	135	1			

- Molecule 20 is a protein called 50S ribosomal protein L22.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
20	T	112	Total	C	N	O	S	0	0	0
			890	560	175	153	2			
20	YB	112	Total	C	N	O	S	0	0	0
			890	560	175	153	2			

- Molecule 21 is a protein called 50S ribosomal protein L23.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
21	U	95	Total	C	N	O	S	0	0	0
			750	488	135	126	1			
21	ZB	95	Total	C	N	O	S	0	0	0
			750	488	135	126	1			

- Molecule 22 is a protein called 50S ribosomal protein L24.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
22	V	107	Total	C	N	O	S	0	0	0
			814	523	154	131	6			
22	AC	107	Total	C	N	O	S	0	0	0
			814	523	154	131	6			

- Molecule 23 is a protein called 50S ribosomal protein L25.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
23	W	189	Total	C	N	O	S	0	0	0
			1495	953	266	273	3			
23	BC	189	Total	C	N	O	S	0	0	0
			1495	953	266	273	3			

- Molecule 24 is a protein called 50S ribosomal protein L27.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
24	X	84	Total	C	N	O	S	0	0	0
			662	410	140	111	1			
24	CC	84	Total	C	N	O	S	0	0	0
			662	410	140	111	1			

- Molecule 25 is a protein called 50S ribosomal protein L28.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
25	Y	97	Total	C	N	O	S	0	0	0
			761	478	151	131	1			
25	DC	97	Total	C	N	O	S	0	0	0
			761	478	151	131	1			

- Molecule 26 is a protein called 50S ribosomal protein L29.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
26	Z	70	Total	C	N	O	S	0	0	0
			592	368	119	103	2			
26	EC	70	Total	C	N	O	S	0	0	0
			592	368	119	103	2			

- Molecule 27 is a protein called 50S ribosomal protein L30.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
27	AA	60	Total	C	N	O	S	0	0	0
			477	303	91	82	1			
27	FC	60	Total	C	N	O	S	0	0	0
			477	303	91	82	1			

- Molecule 28 is a protein called 50S ribosomal protein L31.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
28	BA	69	Total	C	N	O	S	0	0	0
			552	349	99	99	5			
28	GC	69	Total	C	N	O	S	0	0	0
			552	349	99	99	5			

- Molecule 29 is a protein called 50S ribosomal protein L32.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
29	CA	59	Total	C	N	O	S	0	0	0
			460	290	90	75	5			
29	HC	59	Total	C	N	O	S	0	0	0
			460	290	90	75	5			

- Molecule 30 is a protein called 50S ribosomal protein L33.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
30	DA	53	Total	C	N	O	S	0	0	0
			453	281	91	77	4			
30	IC	53	Total	C	N	O	S	0	0	0
			453	281	91	77	4			

- Molecule 31 is a protein called 50S ribosomal protein L34.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
31	EA	48	Total	C	N	O	S	0	0	0
			418	257	104	55	2			

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
31	JC	48	Total	C	N	O	S	0	0	0
			418	257	104	55	2			

- Molecule 32 is a protein called 50S ribosomal protein L35.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
32	FA	64	Total	C	N	O	S	0	0	0
			517	331	102	82	2			
32	KC	64	Total	C	N	O	S	0	0	0
			517	331	102	82	2			

- Molecule 33 is a protein called 50S ribosomal protein L36.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
33	GA	37	Total	C	N	O	S	0	0	0
			307	188	68	47	4			
33	LC	37	Total	C	N	O	S	0	0	0
			307	188	68	47	4			

- Molecule 34 is a RNA chain called mRNA.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
34	HA	11	Total	C	N	O	P	0	0	0
			220	98	44	67	11			
34	MC	11	Total	C	N	O	P	0	0	0
			220	98	44	67	11			

- Molecule 35 is a protein called Peptide chain release factor 1.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
35	JA	258	Total	C	N	O	S	0	0	0
			2005	1227	380	390	8			
35	OC	258	Total	C	N	O	S	0	0	0
			2005	1227	380	390	8			

There are 16 discrepancies between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
JA	361	LEU	-	expression tag	UNP P0A7I0
JA	362	GLU	-	expression tag	UNP P0A7I0
JA	363	HIS	-	expression tag	UNP P0A7I0
JA	364	HIS	-	expression tag	UNP P0A7I0

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Chain	Residue	Modelled	Actual	Comment	Reference
JA	365	HIS	-	expression tag	UNP P0A7I0
JA	366	HIS	-	expression tag	UNP P0A7I0
JA	367	HIS	-	expression tag	UNP P0A7I0
JA	368	HIS	-	expression tag	UNP P0A7I0
OC	361	LEU	-	expression tag	UNP P0A7I0
OC	362	GLU	-	expression tag	UNP P0A7I0
OC	363	HIS	-	expression tag	UNP P0A7I0
OC	364	HIS	-	expression tag	UNP P0A7I0
OC	365	HIS	-	expression tag	UNP P0A7I0
OC	366	HIS	-	expression tag	UNP P0A7I0
OC	367	HIS	-	expression tag	UNP P0A7I0
OC	368	HIS	-	expression tag	UNP P0A7I0

- Molecule 36 is a protein called 30S ribosomal protein S2.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
36	KA	234	Total	C	N	O	S	0	0	0
			1900	1213	341	341	5			
36	PC	234	Total	C	N	O	S	0	0	0
			1900	1213	341	341	5			

- Molecule 37 is a protein called 30S ribosomal protein S3.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
37	LA	206	Total	C	N	O	S	0	0	0
			1612	1016	314	281	1			
37	QC	206	Total	C	N	O	S	0	0	0
			1612	1016	314	281	1			

- Molecule 38 is a protein called 30S ribosomal protein S4.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
38	MA	208	Total	C	N	O	S	0	0	0
			1703	1066	339	291	7			
38	RC	208	Total	C	N	O	S	0	0	0
			1703	1066	339	291	7			

- Molecule 39 is a protein called 30S ribosomal protein S5.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
39	NA	151	Total	C	N	O	S	0	0	0
			1155	729	218	204	4			

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
39	SC	151	Total	C	N	O	S	0	0	0
			1155	729	218	204	4			

- Molecule 40 is a protein called 30S ribosomal protein S6.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
40	OA	101	Total	C	N	O	S	0	0	0
			843	531	155	154	3			
40	TC	101	Total	C	N	O	S	0	0	0
			843	531	155	154	3			

- Molecule 41 is a protein called 30S ribosomal protein S7.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
41	PA	155	Total	C	N	O	S	0	0	0
			1257	781	252	218	6			
41	UC	155	Total	C	N	O	S	0	0	0
			1257	781	252	218	6			

- Molecule 42 is a protein called 30S ribosomal protein S8.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
42	QA	138	Total	C	N	O	S	0	0	0
			1116	705	215	193	3			
42	VC	138	Total	C	N	O	S	0	0	0
			1116	705	215	193	3			

- Molecule 43 is a protein called 30S ribosomal protein S9.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
43	RA	127	Total	C	N	O	0	0	0
			1011	639	198	174			
43	WC	127	Total	C	N	O	0	0	0
			1011	639	198	174			

- Molecule 44 is a protein called 30S ribosomal protein S10.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
44	SA	98	Total	C	N	O	S	0	0	0
			794	499	156	138	1			
44	XC	98	Total	C	N	O	S	0	0	0
			794	499	156	138	1			

- Molecule 45 is a protein called 30S ribosomal protein S11.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
45	TA	116	Total	C	N	O	S	0	0	0
			864	537	164	160	3			
45	YC	116	Total	C	N	O	S	0	0	0
			864	537	164	160	3			

- Molecule 46 is a protein called 30S ribosomal protein S12.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
46	UA	122	Total	C	N	O	S	0	0	0
			958	604	193	159	2			
46	ZC	122	Total	C	N	O	S	0	0	0
			958	604	193	159	2			

- Molecule 47 is a protein called 30S ribosomal protein S13.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
47	VA	117	Total	C	N	O	S	0	0	0
			933	577	192	162	2			
47	AD	117	Total	C	N	O	S	0	0	0
			933	577	192	162	2			

- Molecule 48 is a protein called 30S ribosomal protein S14 type Z.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
48	WA	60	Total	C	N	O	S	0	0	0
			492	312	104	72	4			
48	BD	60	Total	C	N	O	S	0	0	0
			492	312	104	72	4			

- Molecule 49 is a protein called 30S ribosomal protein S15.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
49	XA	88	Total	C	N	O	S	0	0	0
			734	459	147	126	2			
49	CD	88	Total	C	N	O	S	0	0	0
			734	459	147	126	2			

- Molecule 50 is a protein called 30S ribosomal protein S16.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
50	YA	83	Total	C	N	O	S	0	0	0
			700	443	139	117	1			
50	DD	83	Total	C	N	O	S	0	0	0
			700	443	139	117	1			

- Molecule 51 is a protein called 30S ribosomal protein S17.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
51	ZA	99	Total	C	N	O	S	0	0	0
			823	528	152	141	2			
51	ED	99	Total	C	N	O	S	0	0	0
			823	528	152	141	2			

- Molecule 52 is a protein called 30S ribosomal protein S18.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
52	AB	70	Total	C	N	O	0	0	0
			574	367	112	95			
52	FD	70	Total	C	N	O	0	0	0
			574	367	112	95			

- Molecule 53 is a protein called 30S ribosomal protein S19.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
53	BB	83	Total	C	N	O	S	0	0	0
			665	424	124	115	2			
53	GD	83	Total	C	N	O	S	0	0	0
			665	424	124	115	2			

- Molecule 54 is a protein called 30S ribosomal protein S20.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
54	CB	99	Total	C	N	O	S	0	0	0
			762	469	162	129	2			
54	HD	99	Total	C	N	O	S	0	0	0
			762	469	162	129	2			

- Molecule 55 is a protein called 30S ribosomal protein Thx.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
55	DB	24	Total	C	N	O	0	0	0
			208	128	50	30			

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Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
55	ID	24	Total 208	C 128	N 50	O 30	0	0	0

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

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
56	A	287	Total 287	Mg 287	0	0
56	B	944	Total 944	Mg 944	0	0
56	C	44	Total 44	Mg 44	0	0
56	D	2	Total 2	Mg 2	0	0
56	E	10	Total 10	Mg 10	0	0
56	F	15	Total 15	Mg 15	0	0
56	G	11	Total 11	Mg 11	0	0
56	H	3	Total 3	Mg 3	0	0
56	I	7	Total 7	Mg 7	0	0
56	J	3	Total 3	Mg 3	0	0
56	K	9	Total 9	Mg 9	0	0
56	L	5	Total 5	Mg 5	0	0
56	M	8	Total 8	Mg 8	0	0
56	N	6	Total 6	Mg 6	0	0
56	O	3	Total 3	Mg 3	0	0
56	P	4	Total 4	Mg 4	0	0
56	Q	4	Total 4	Mg 4	0	0
56	R	2	Total 2	Mg 2	0	0

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Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
56	S	8	Total Mg 8 8	0	0
56	T	5	Total Mg 5 5	0	0
56	U	2	Total Mg 2 2	0	0
56	W	8	Total Mg 8 8	0	0
56	X	8	Total Mg 8 8	0	0
56	Y	5	Total Mg 5 5	0	0
56	Z	3	Total Mg 3 3	0	0
56	AA	4	Total Mg 4 4	0	0
56	BA	3	Total Mg 3 3	0	0
56	CA	3	Total Mg 3 3	0	0
56	DA	3	Total Mg 3 3	0	0
56	EA	2	Total Mg 2 2	0	0
56	FA	4	Total Mg 4 4	0	0
56	GA	1	Total Mg 1 1	0	0
56	HA	2	Total Mg 2 2	0	0
56	IA	21	Total Mg 21 21	0	0
56	JA	13	Total Mg 13 13	0	0
56	KA	4	Total Mg 4 4	0	0
56	LA	2	Total Mg 2 2	0	0
56	MA	5	Total Mg 5 5	0	0
56	NA	3	Total Mg 3 3	0	0

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Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
56	OA	4	Total Mg 4 4	0	0
56	PA	3	Total Mg 3 3	0	0
56	QA	2	Total Mg 2 2	0	0
56	RA	4	Total Mg 4 4	0	0
56	SA	3	Total Mg 3 3	0	0
56	TA	1	Total Mg 1 1	0	0
56	UA	3	Total Mg 3 3	0	0
56	VA	3	Total Mg 3 3	0	0
56	WA	1	Total Mg 1 1	0	0
56	XA	3	Total Mg 3 3	0	0
56	YA	1	Total Mg 1 1	0	0
56	ZA	3	Total Mg 3 3	0	0
56	BB	1	Total Mg 1 1	0	0
56	CB	1	Total Mg 1 1	0	0
56	DB	1	Total Mg 1 1	0	0
56	FB	349	Total Mg 349 349	0	0
56	GB	812	Total Mg 812 812	0	0
56	HB	32	Total Mg 32 32	0	0
56	IB	5	Total Mg 5 5	0	0
56	JB	13	Total Mg 13 13	0	0
56	KB	4	Total Mg 4 4	0	0

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Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
56	LB	5	Total Mg 5 5	0	0
56	MB	7	Total Mg 7 7	0	0
56	NB	3	Total Mg 3 3	0	0
56	OB	2	Total Mg 2 2	0	0
56	PB	4	Total Mg 4 4	0	0
56	QB	6	Total Mg 6 6	0	0
56	RB	6	Total Mg 6 6	0	0
56	SB	4	Total Mg 4 4	0	0
56	TB	4	Total Mg 4 4	0	0
56	UB	1	Total Mg 1 1	0	0
56	VB	8	Total Mg 8 8	0	0
56	WB	3	Total Mg 3 3	0	0
56	XB	4	Total Mg 4 4	0	0
56	YB	7	Total Mg 7 7	0	0
56	ZB	1	Total Mg 1 1	0	0
56	BC	9	Total Mg 9 9	0	0
56	CC	2	Total Mg 2 2	0	0
56	DC	3	Total Mg 3 3	0	0
56	EC	4	Total Mg 4 4	0	0
56	FC	1	Total Mg 1 1	0	0
56	GC	2	Total Mg 2 2	0	0

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Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
56	HC	2	Total Mg 2 2	0	0
56	KC	5	Total Mg 5 5	0	0
56	MC	1	Total Mg 1 1	0	0
56	NC	14	Total Mg 14 14	0	0
56	OC	7	Total Mg 7 7	0	0
56	PC	5	Total Mg 5 5	0	0
56	QC	4	Total Mg 4 4	0	0
56	RC	11	Total Mg 11 11	0	0
56	SC	7	Total Mg 7 7	0	0
56	TC	1	Total Mg 1 1	0	0
56	UC	2	Total Mg 2 2	0	0
56	VC	2	Total Mg 2 2	0	0
56	WC	2	Total Mg 2 2	0	0
56	XC	2	Total Mg 2 2	0	0
56	YC	6	Total Mg 6 6	0	0
56	ZC	2	Total Mg 2 2	0	0
56	AD	1	Total Mg 1 1	0	0
56	CD	3	Total Mg 3 3	0	0
56	DD	1	Total Mg 1 1	0	0
56	ED	2	Total Mg 2 2	0	0
56	GD	1	Total Mg 1 1	0	0

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Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
56	HD	1	Total Mg 1 1	0	0

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

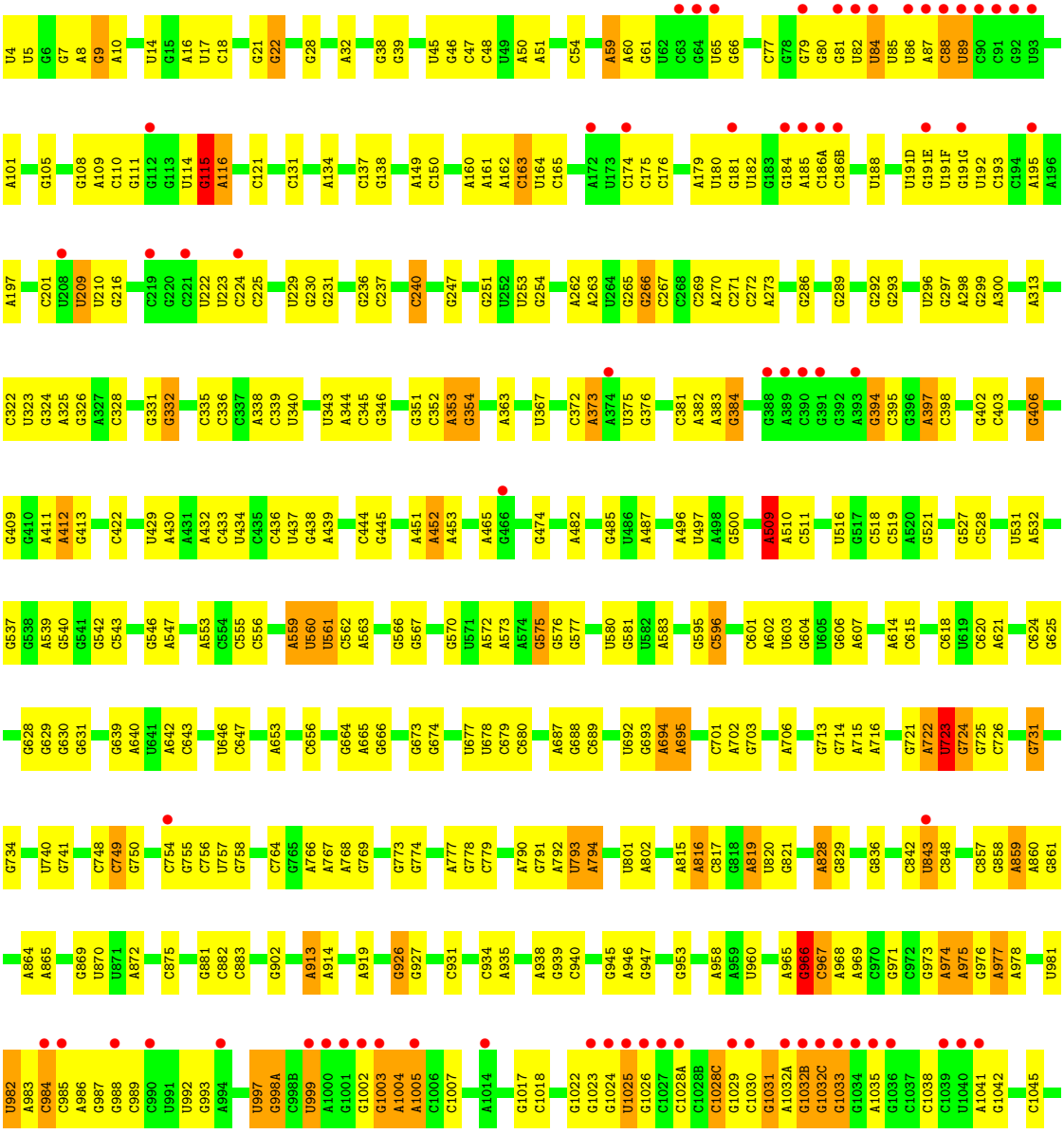
Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
57	V	1	Total Zn 1 1	0	0
57	BA	1	Total Zn 1 1	0	0
57	CA	1	Total Zn 1 1	0	0
57	DA	1	Total Zn 1 1	0	0
57	GA	1	Total Zn 1 1	0	0
57	AC	1	Total Zn 1 1	0	0
57	GC	1	Total Zn 1 1	0	0
57	HC	1	Total Zn 1 1	0	0
57	IC	1	Total Zn 1 1	0	0
57	LC	1	Total Zn 1 1	0	0

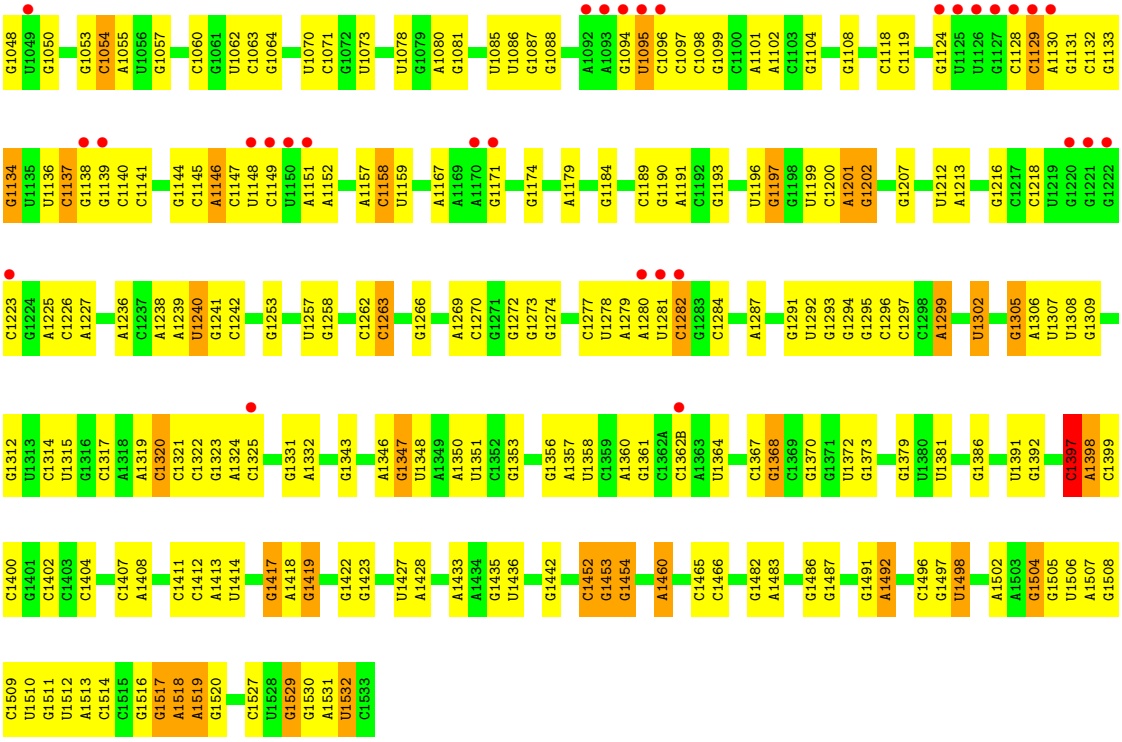
3 Residue-property plots (i)

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

- Molecule 1: 16S ribosomal RNA

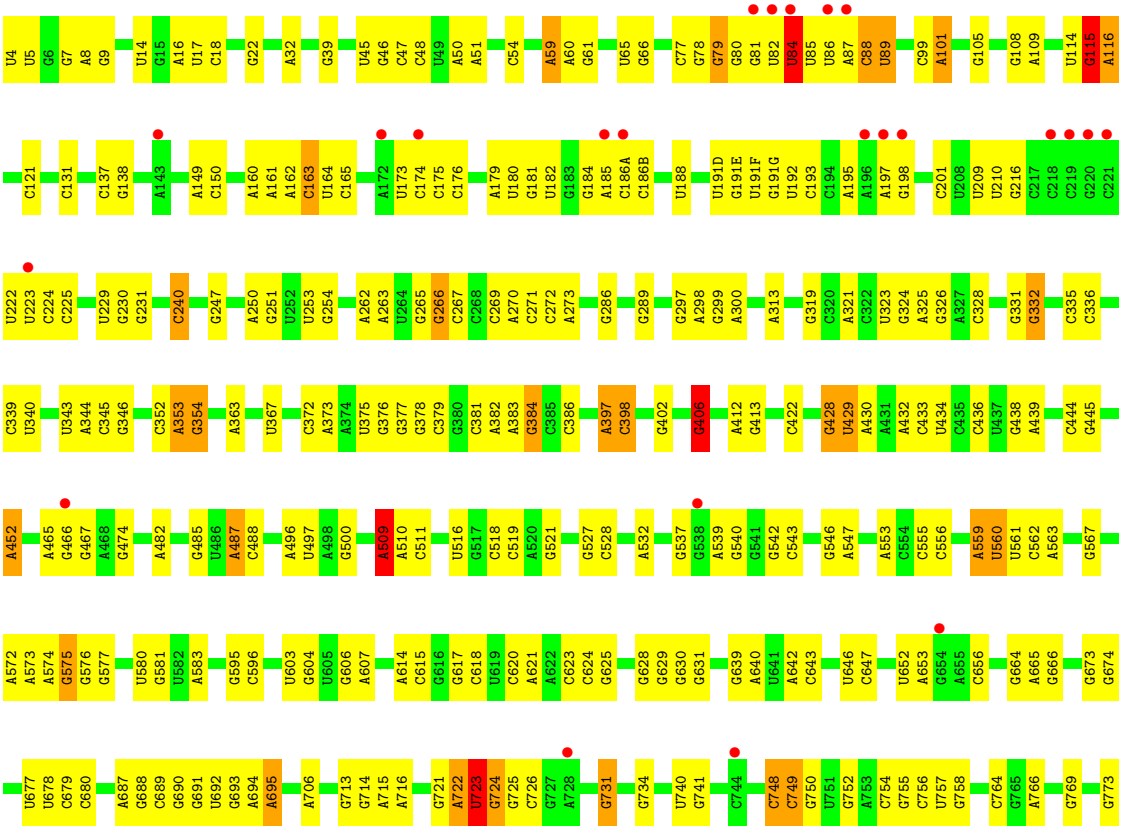
Chain A:

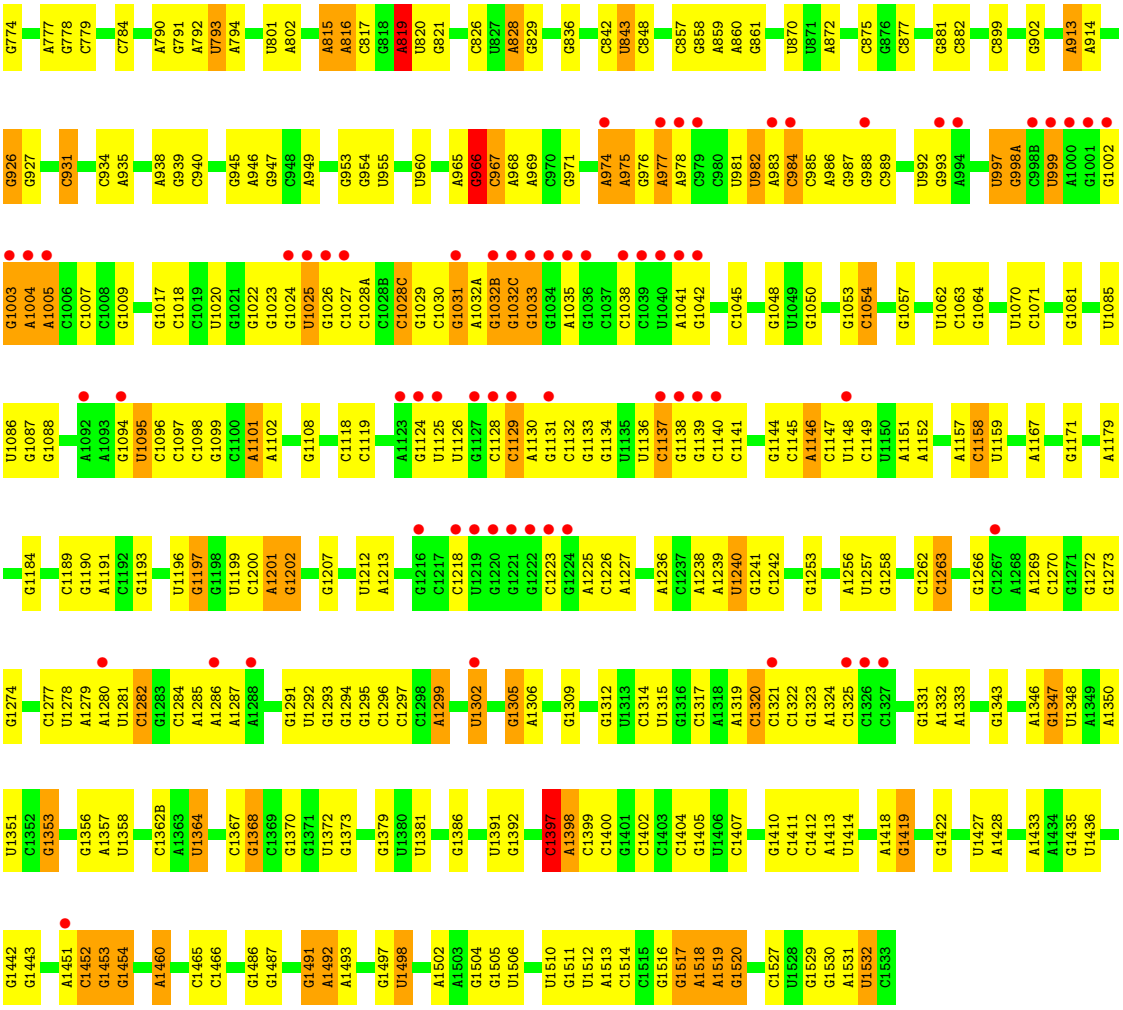




• Molecule 1: 16S ribosomal RNA

Chain FB:





• Molecule 2: 25S ribosomal RNA

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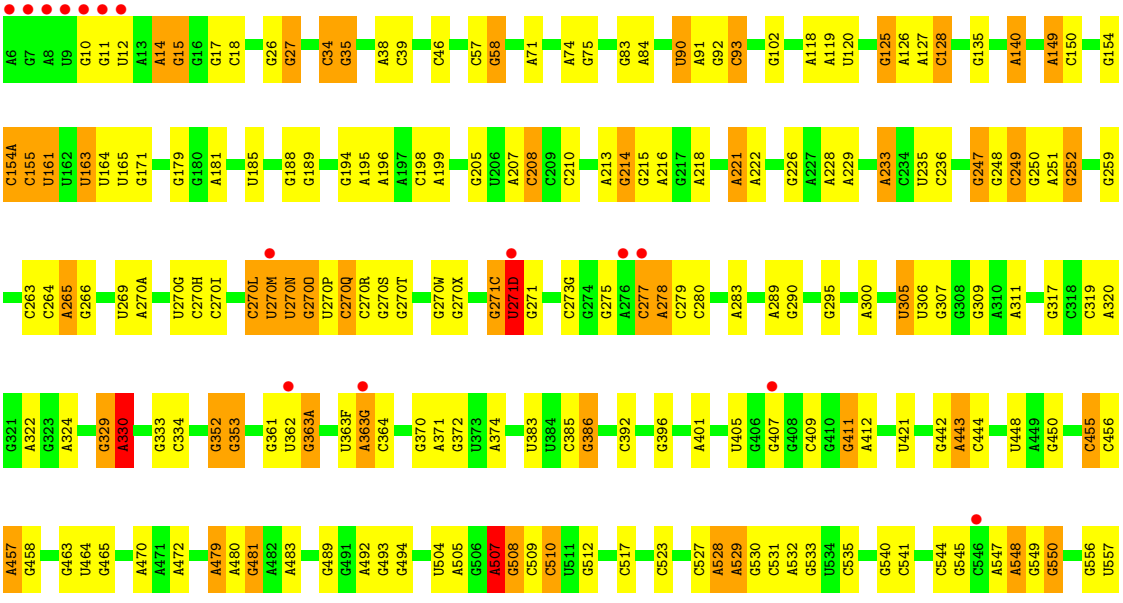

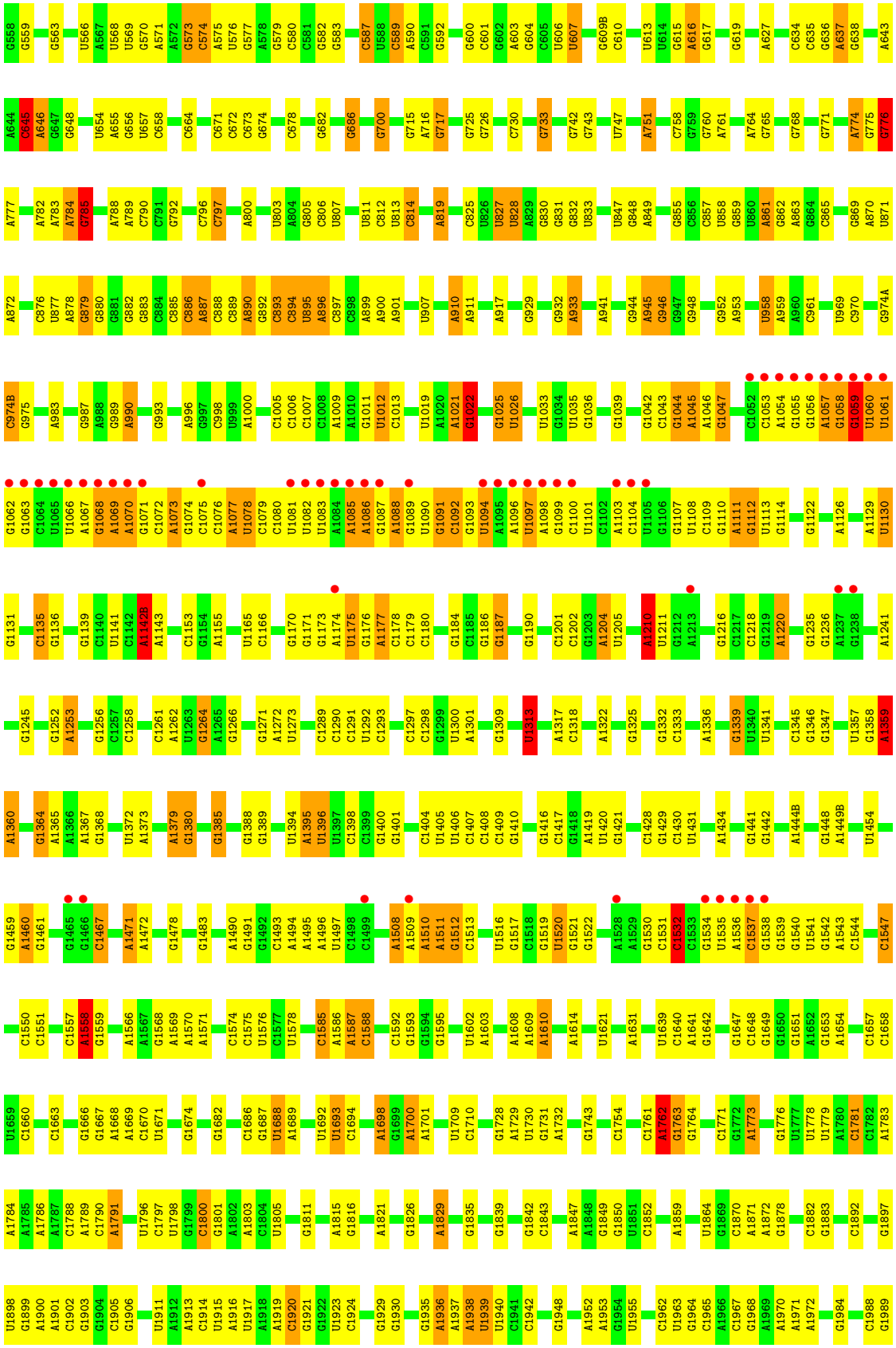
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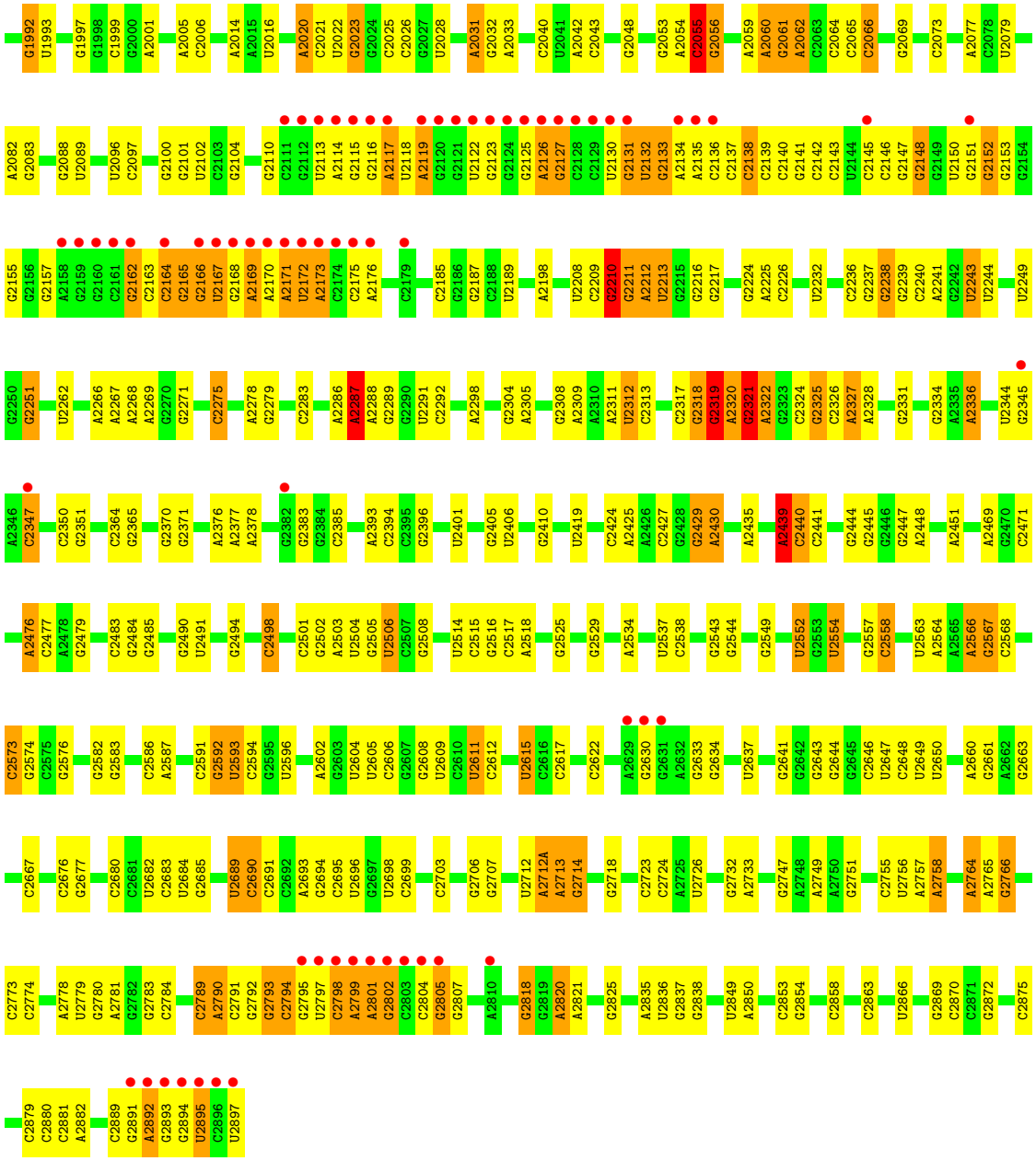
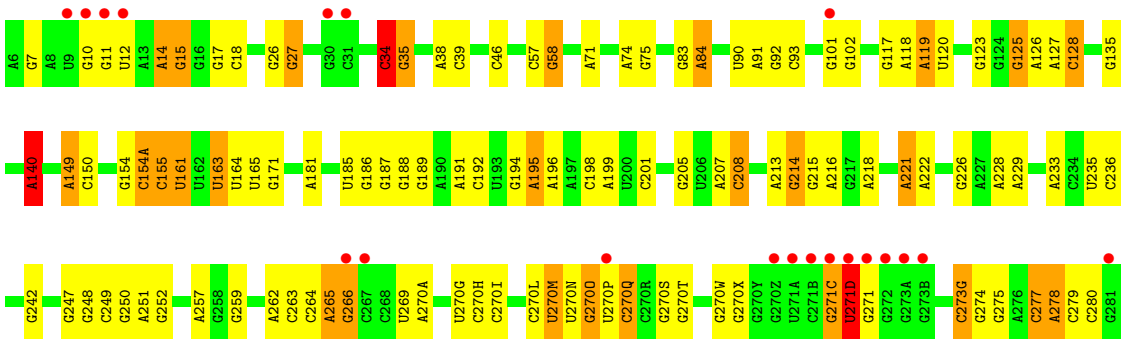
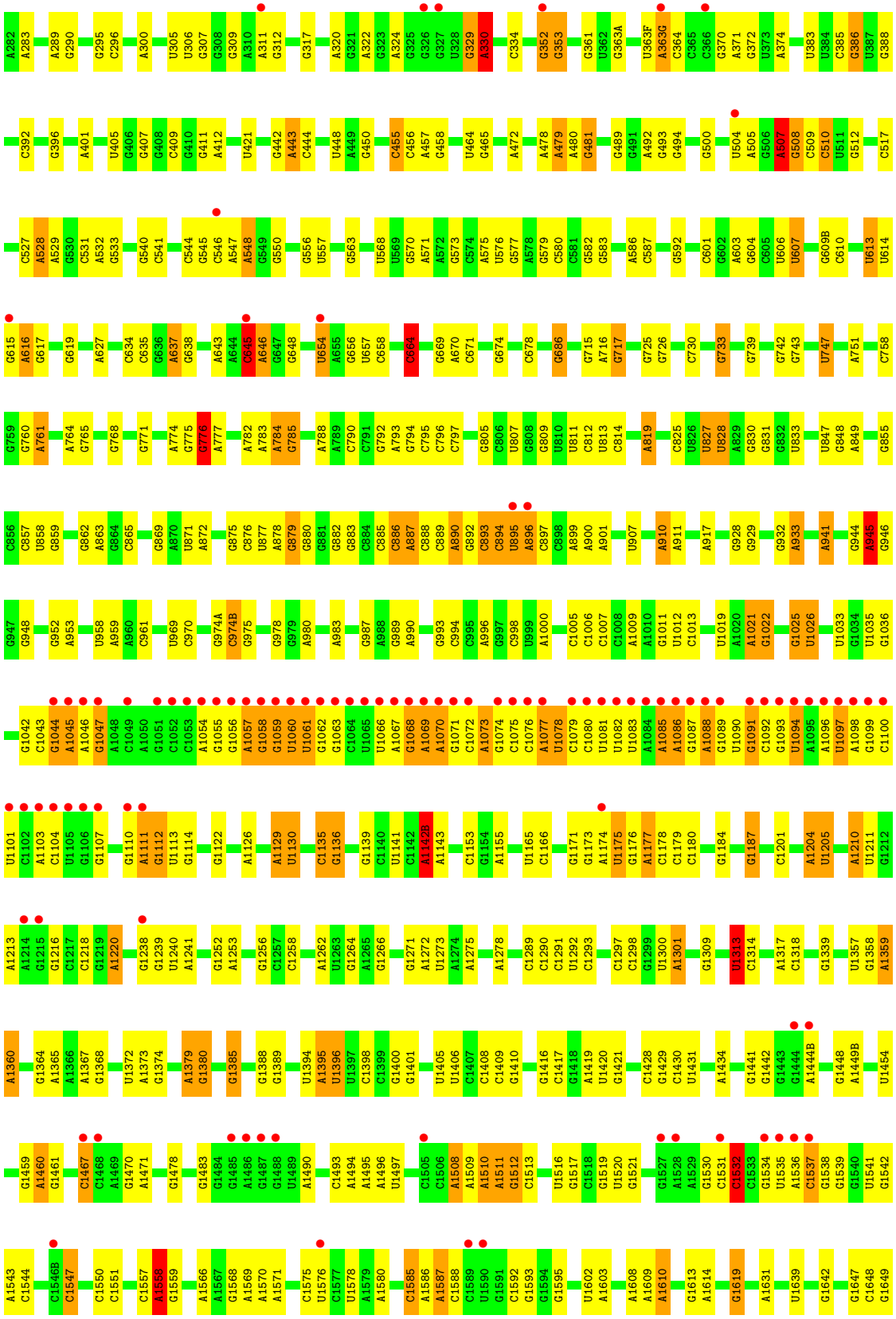


• Molecule 2: 25S ribosomal RNA

Chain GB:

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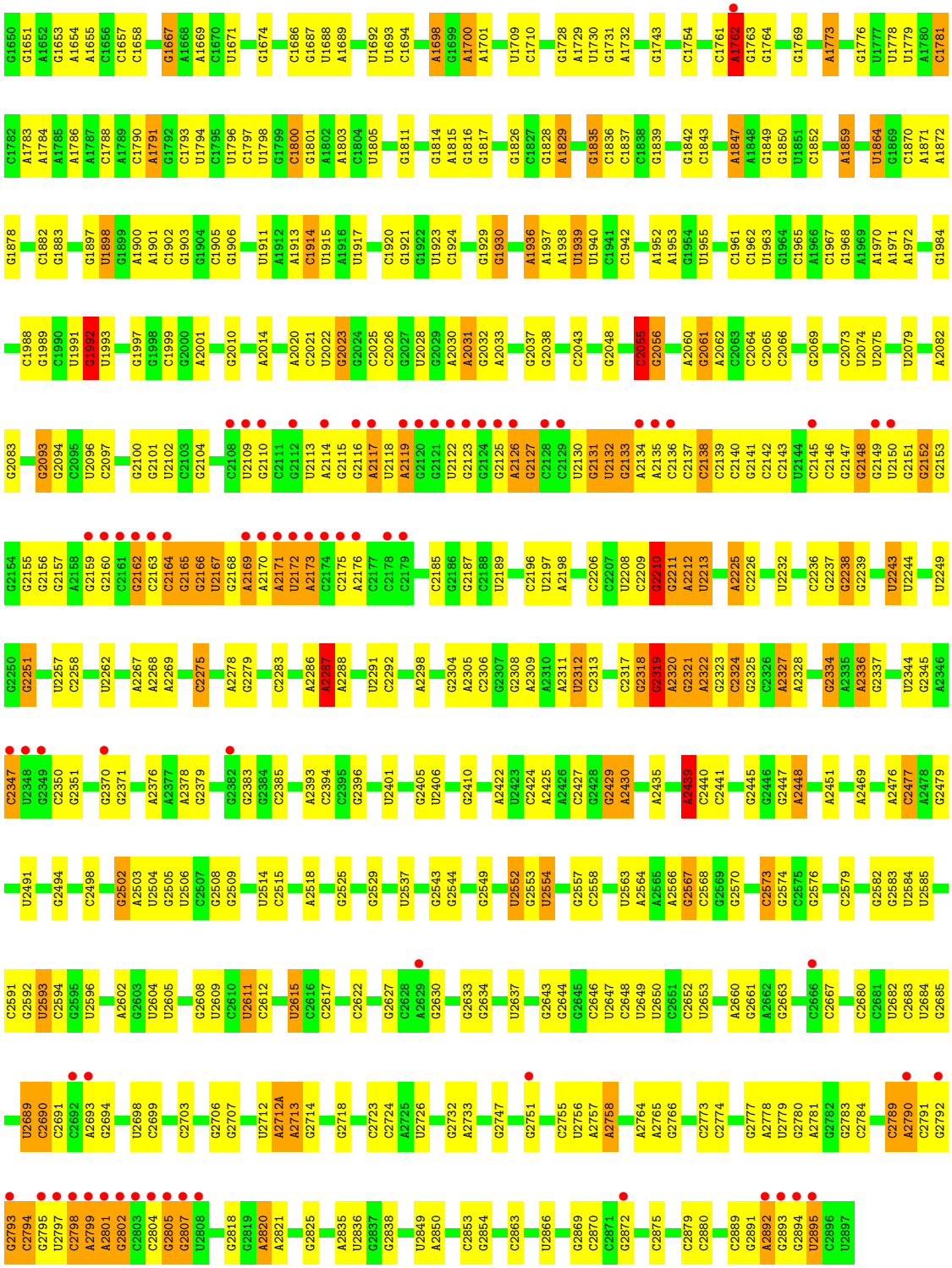
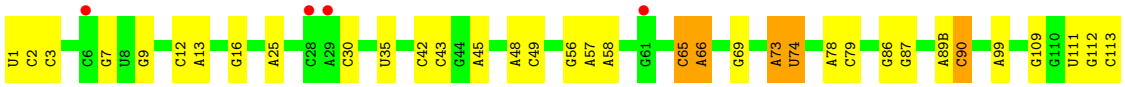


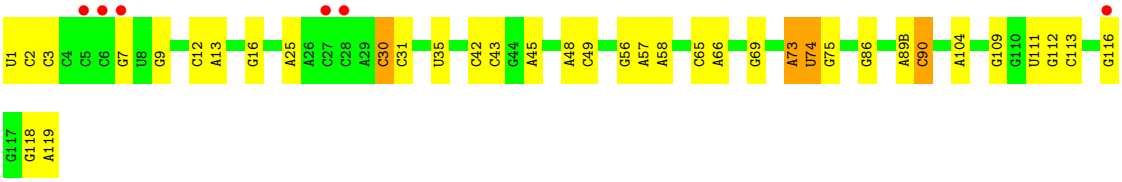
• Molecule 3: 5S ribosomal RNA

Chain C:



• Molecule 3: 5S ribosomal RNA

Chain HB:



• Molecule 4: tRNA

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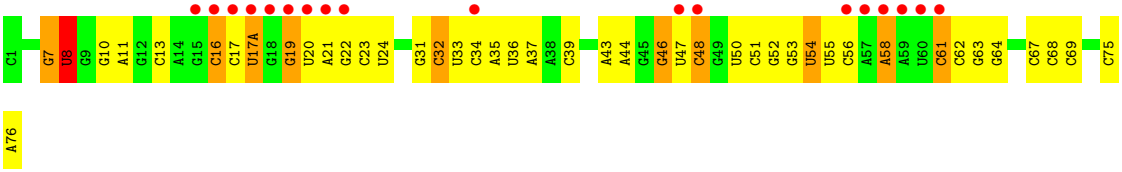

• Molecule 4: tRNA

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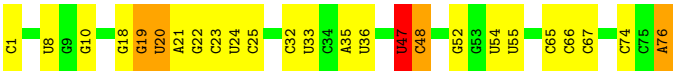

• Molecule 4: tRNA

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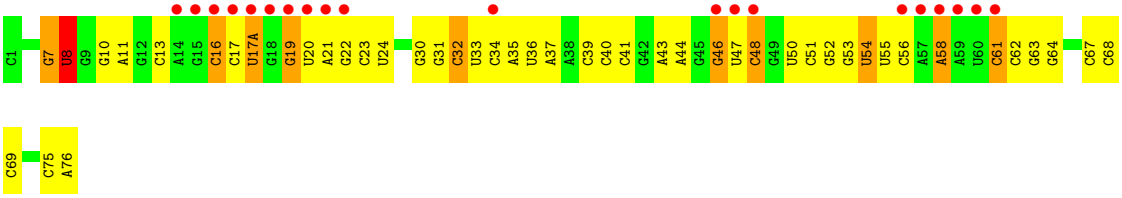

• Molecule 4: tRNA

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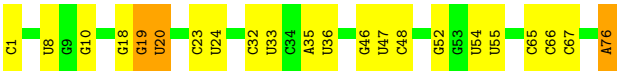
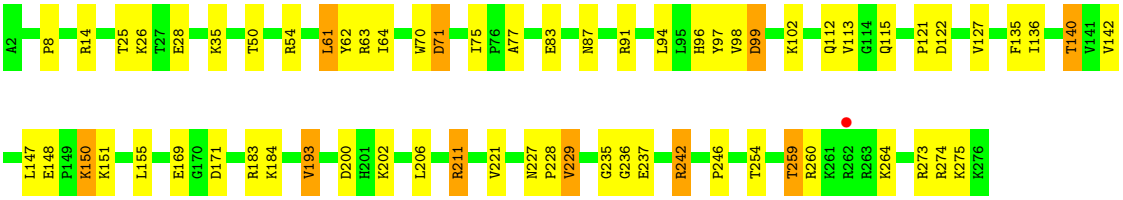
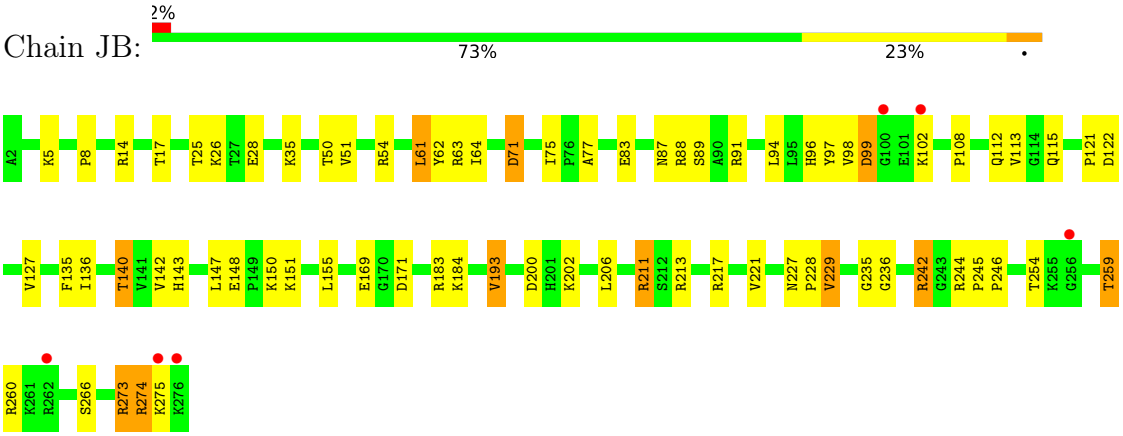


• Molecule 5: 50S ribosomal protein L2

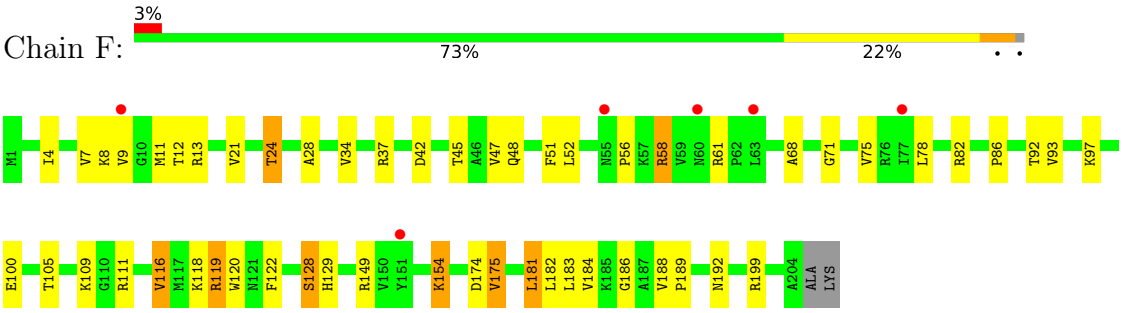
Chain E:



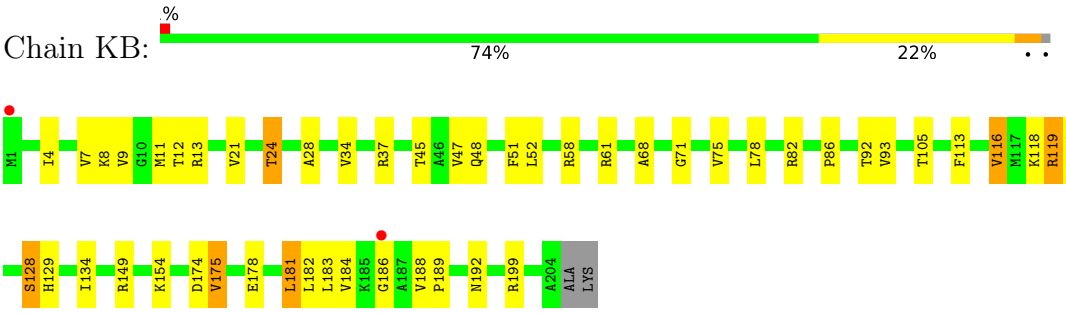
• Molecule 5: 50S ribosomal protein L2



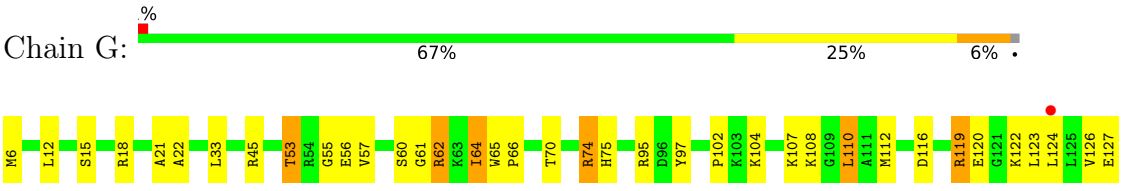
• Molecule 6: 50S ribosomal protein L3

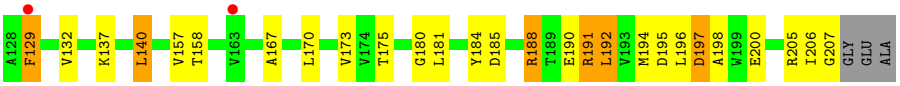


• Molecule 6: 50S ribosomal protein L3



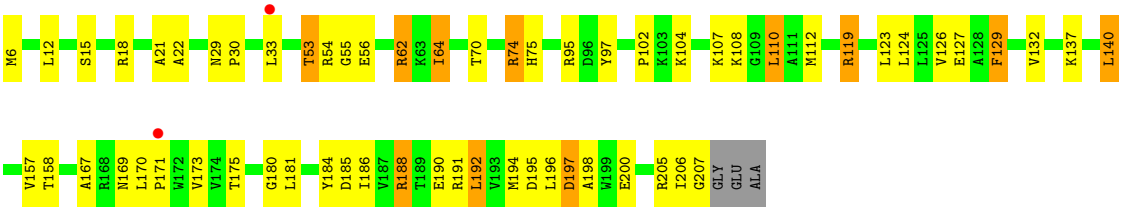
• Molecule 7: 50S ribosomal protein L4





• Molecule 7: 50S ribosomal protein L4

Chain LB:



• Molecule 8: 50S ribosomal protein L5

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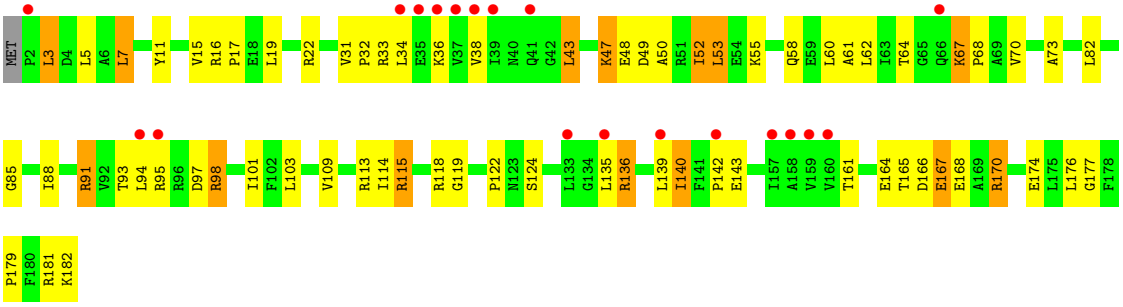
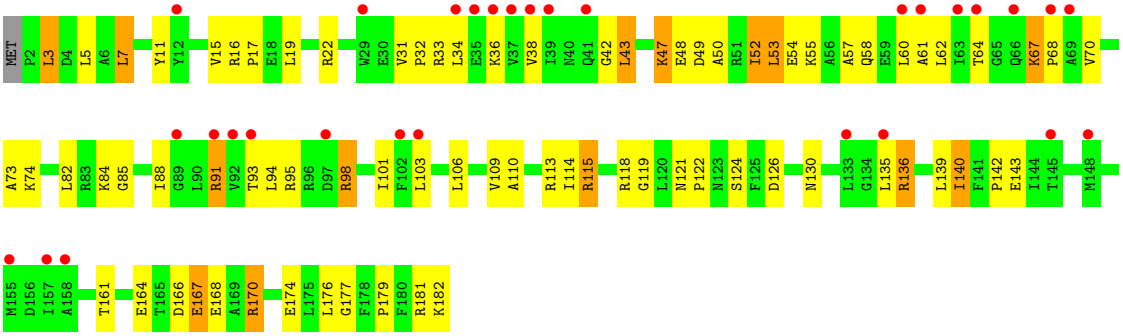


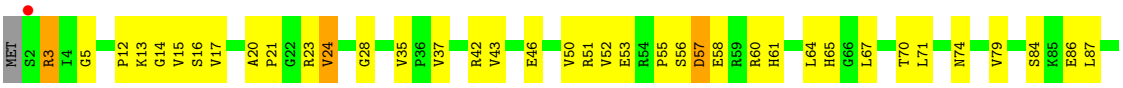
• Molecule 8: 50S ribosomal protein L5

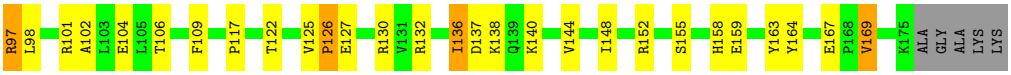
Chain MB:



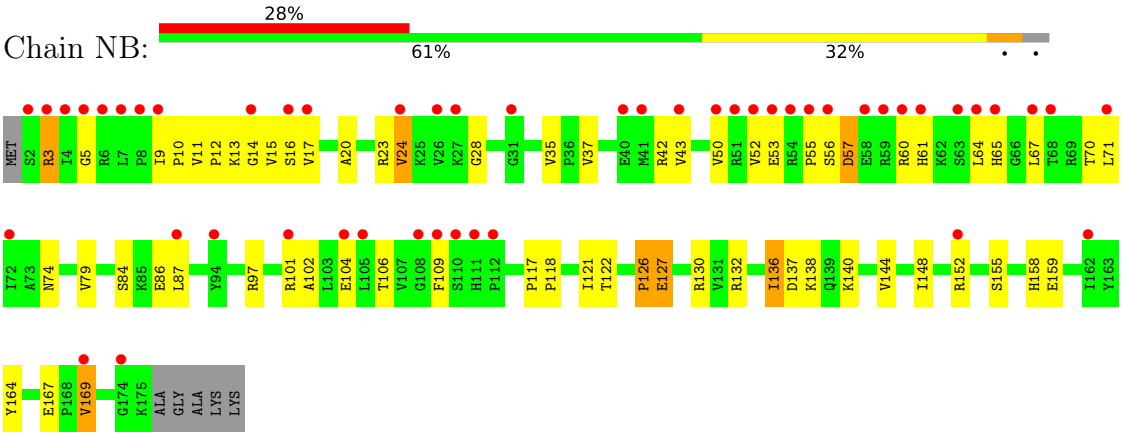
• Molecule 9: 50S ribosomal protein L6

Chain I:

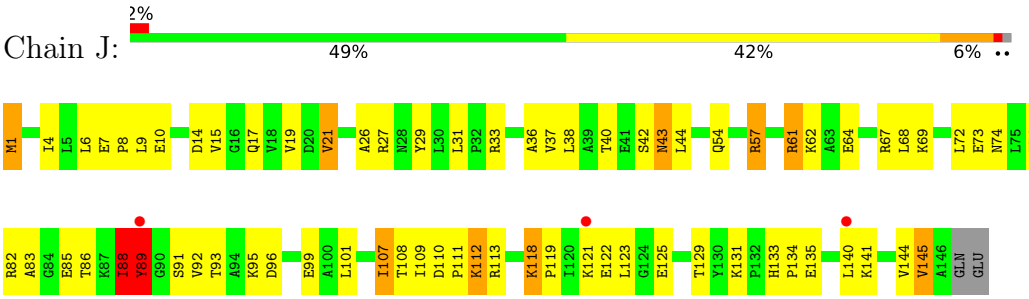




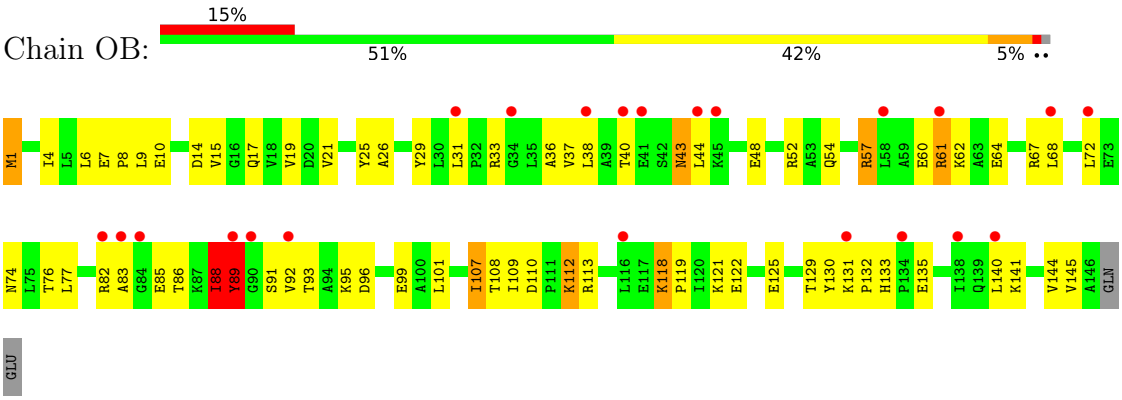
• Molecule 9: 50S ribosomal protein L6



• Molecule 10: 50S ribosomal protein L9



• Molecule 10: 50S ribosomal protein L9



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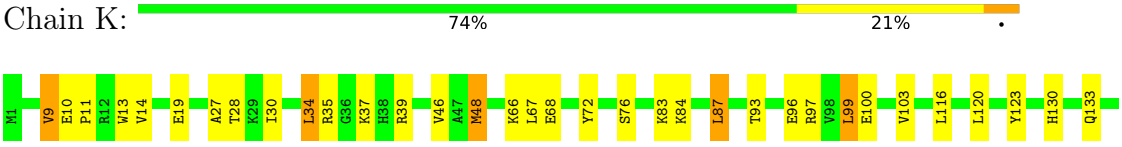

• Molecule 11: 50S ribosomal protein L13

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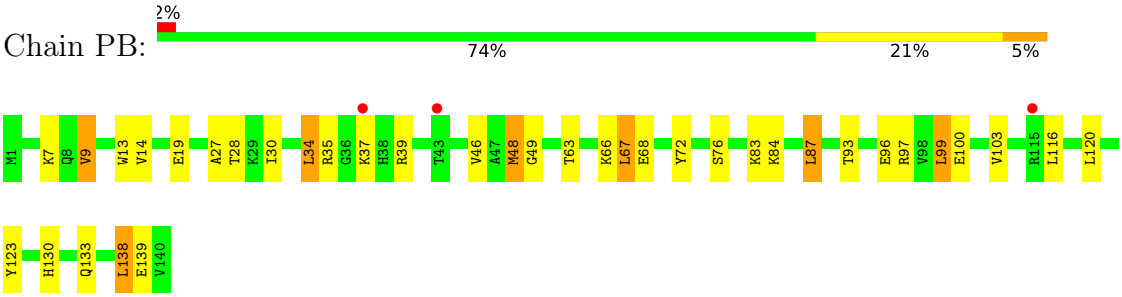

• Molecule 12: 50S ribosomal protein L14

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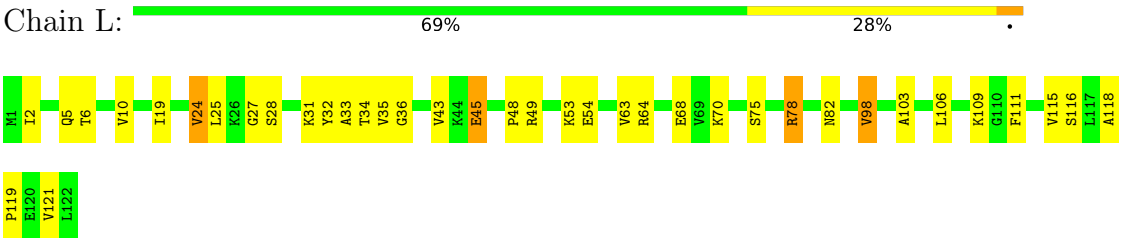

• Molecule 12: 50S ribosomal protein L14

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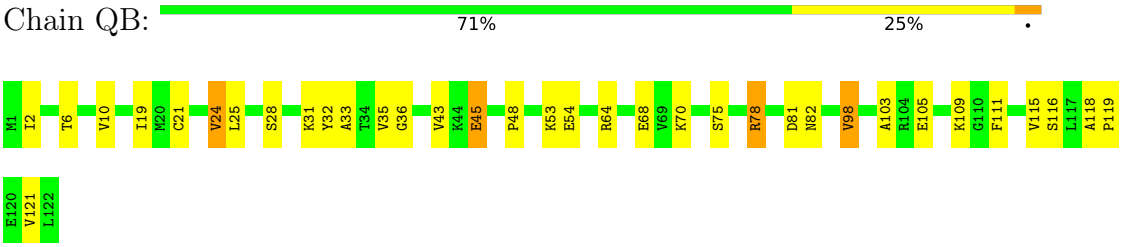
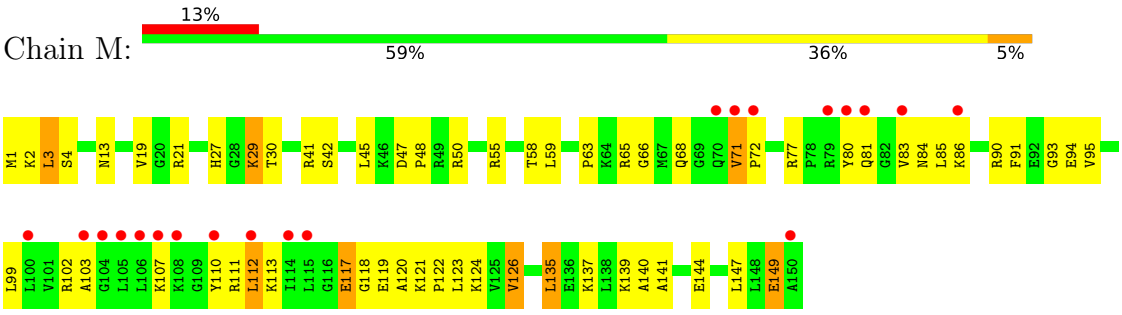


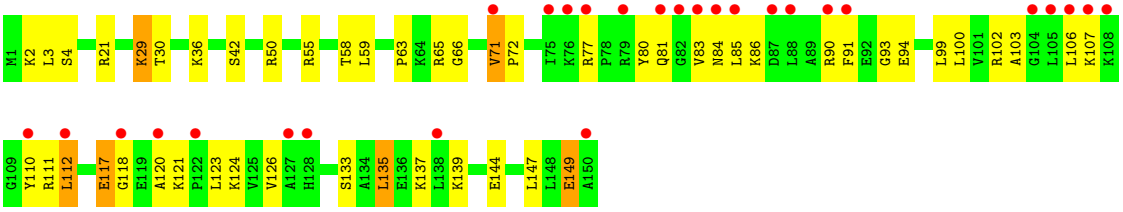
• Molecule 13: 50S ribosomal protein L15

Chain M:

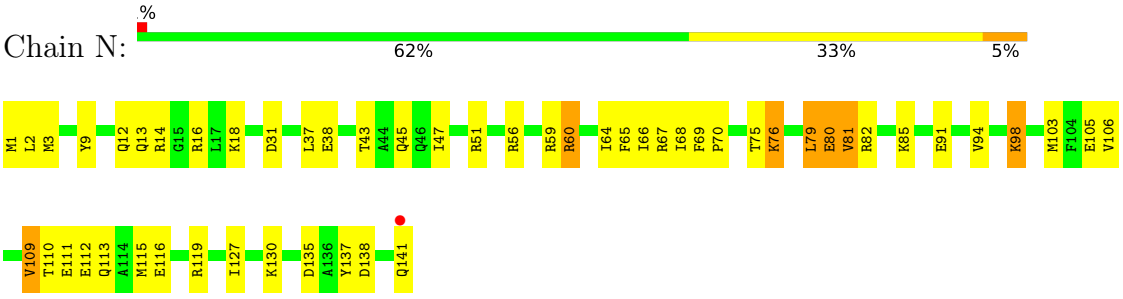


• Molecule 13: 50S ribosomal protein L15

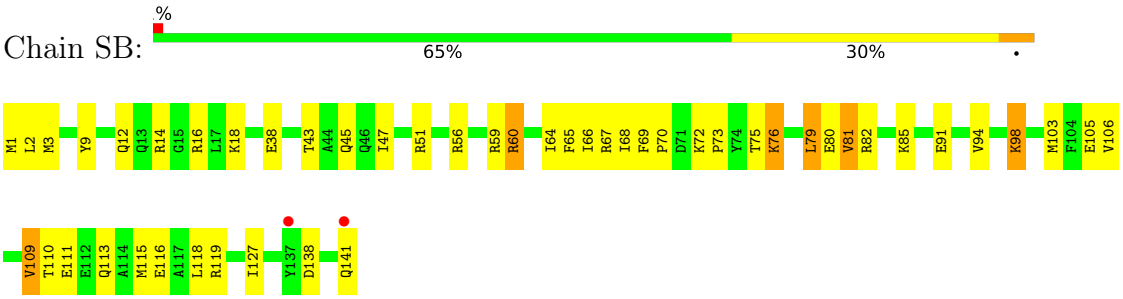
Chain RB:



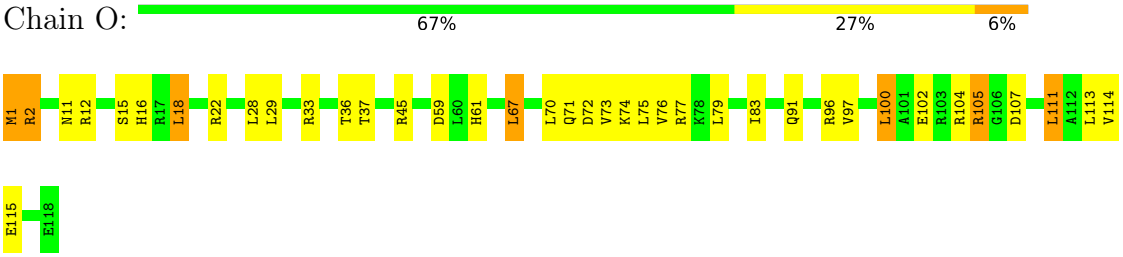
• Molecule 14: 50S ribosomal protein L16



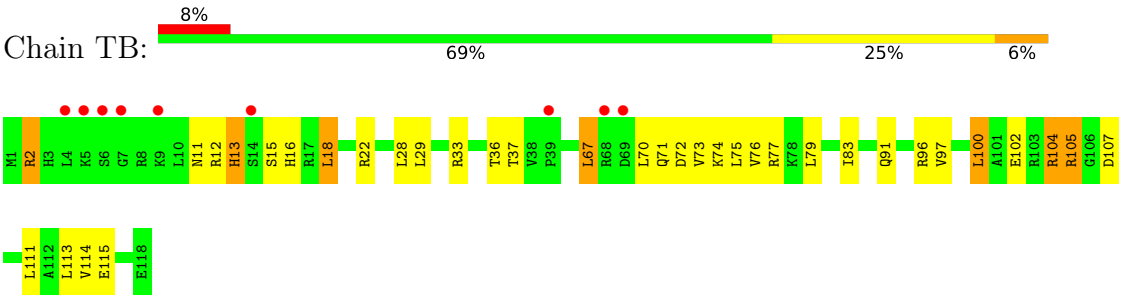
• Molecule 14: 50S ribosomal protein L16



• Molecule 15: 50S ribosomal protein L17

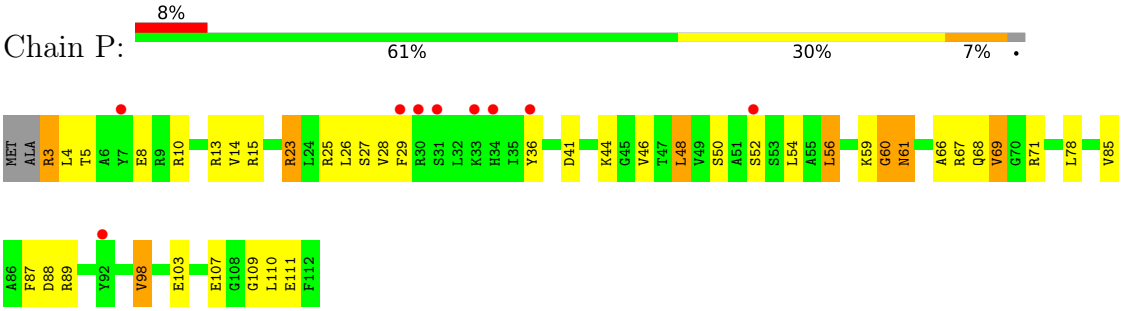


• Molecule 15: 50S ribosomal protein L17



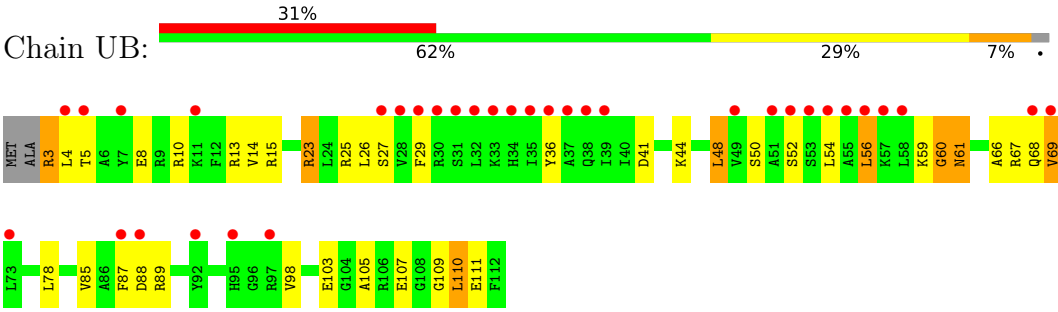
• Molecule 16: 50S ribosomal protein L18

Chain P:



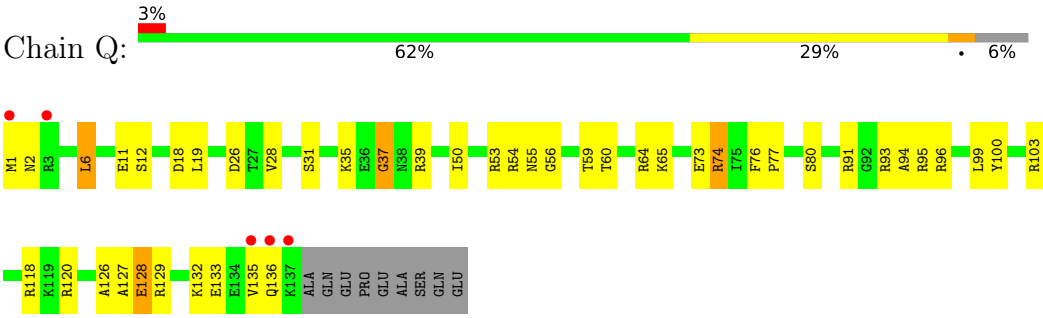
• Molecule 16: 50S ribosomal protein L18

Chain UB:



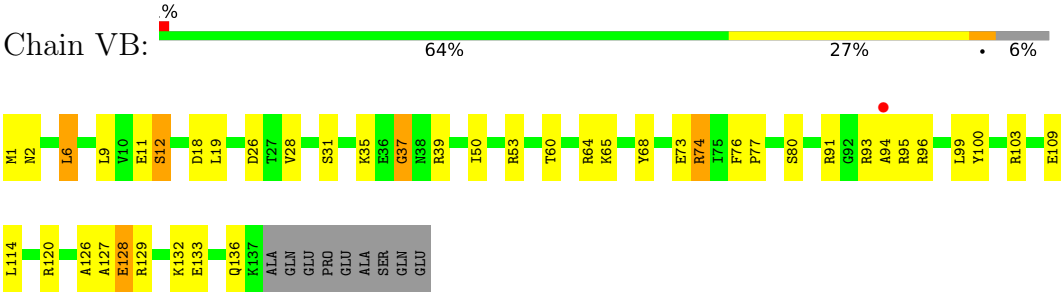
• Molecule 17: 50S ribosomal protein L19

Chain Q:



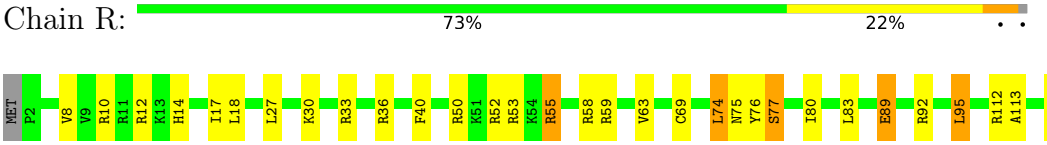
• Molecule 17: 50S ribosomal protein L19

Chain VB:



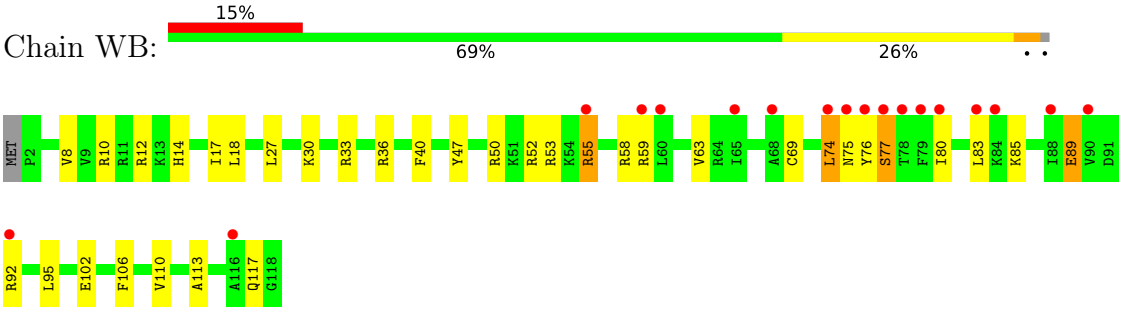
• Molecule 18: 50S ribosomal protein L20

Chain R:



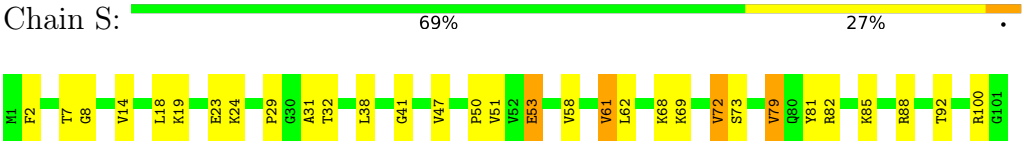
• Molecule 18: 50S ribosomal protein L20

Chain WB:



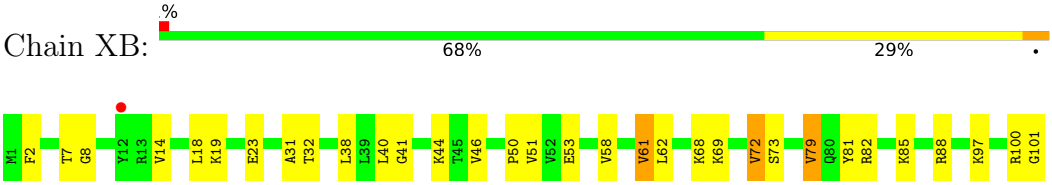
• Molecule 19: 50S ribosomal protein L21

Chain S:



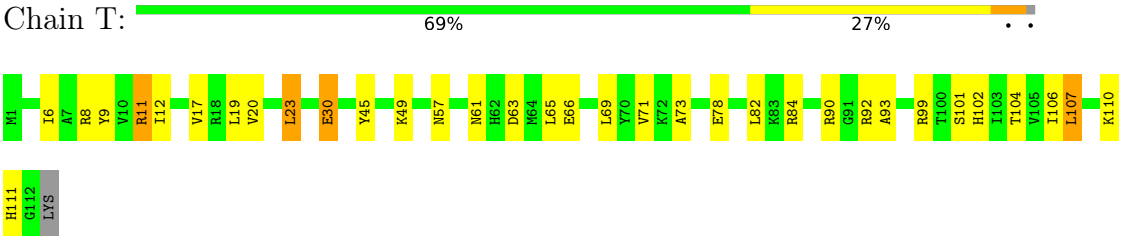
• Molecule 19: 50S ribosomal protein L21

Chain XB:



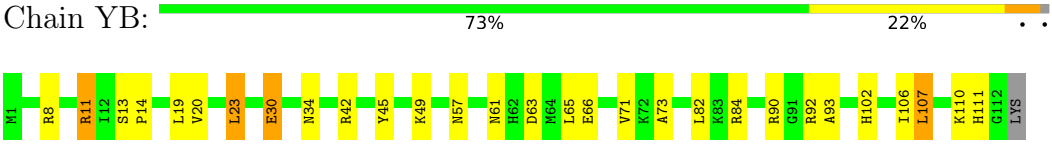
• Molecule 20: 50S ribosomal protein L22

Chain T:



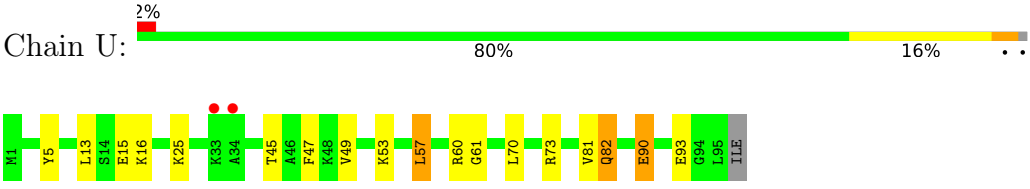
• Molecule 20: 50S ribosomal protein L22

Chain YB:



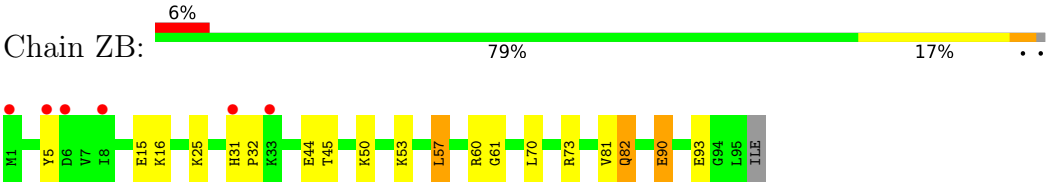
• Molecule 21: 50S ribosomal protein L23

Chain U:



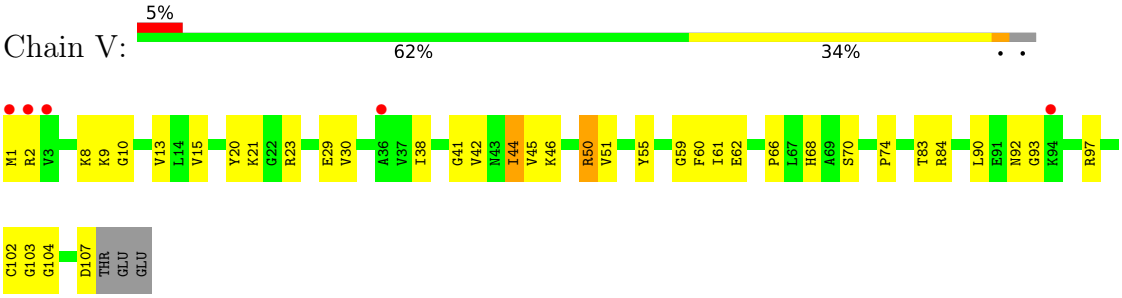
• Molecule 21: 50S ribosomal protein L23

Chain ZB:



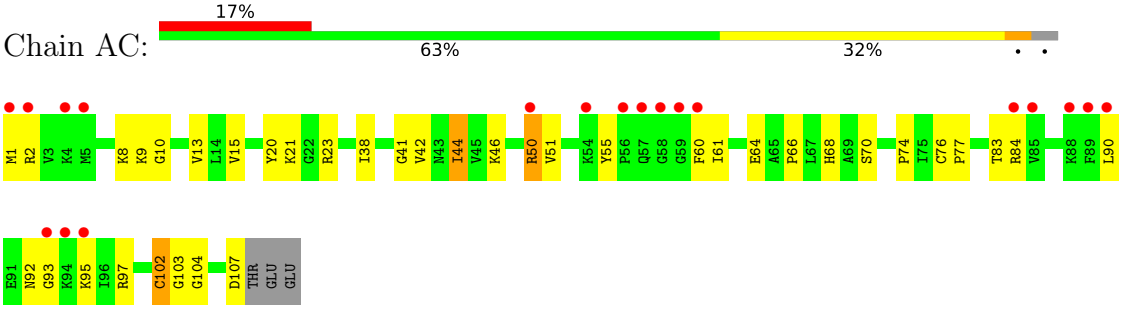
• Molecule 22: 50S ribosomal protein L24

Chain V:



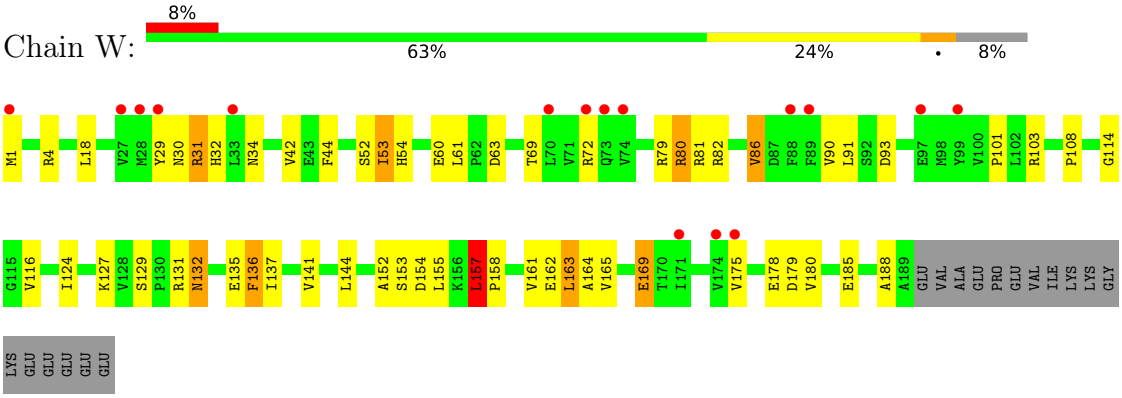
• Molecule 22: 50S ribosomal protein L24

Chain AC:



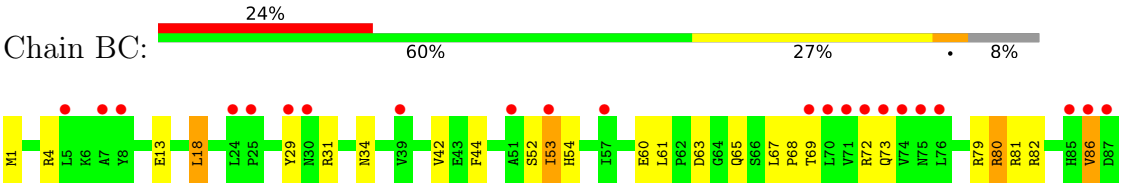
• Molecule 23: 50S ribosomal protein L25

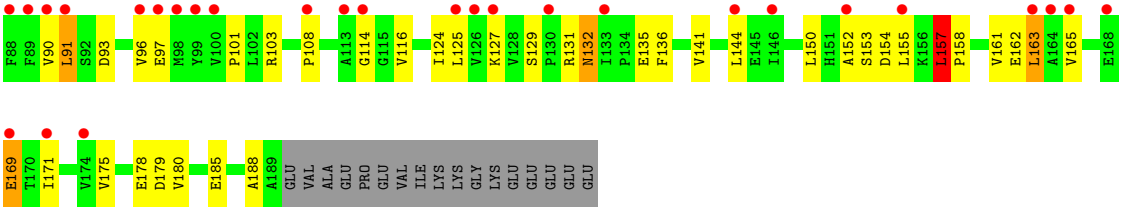
Chain W:



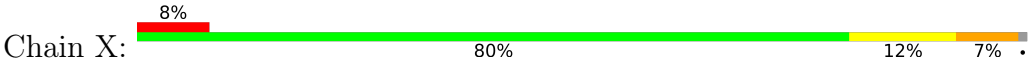
• Molecule 23: 50S ribosomal protein L25

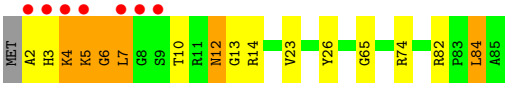
Chain BC:



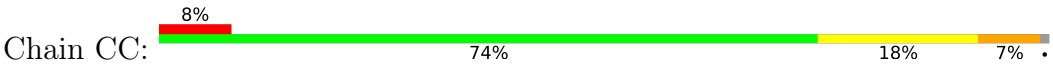


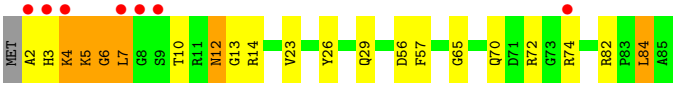
• Molecule 24: 50S ribosomal protein L27



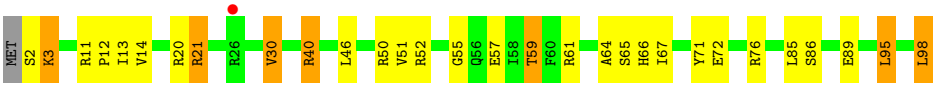


• Molecule 24: 50S ribosomal protein L27

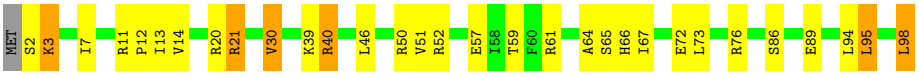




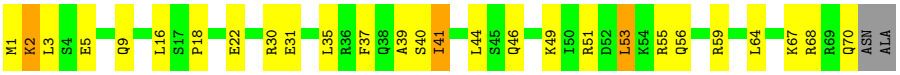
• Molecule 25: 50S ribosomal protein L28



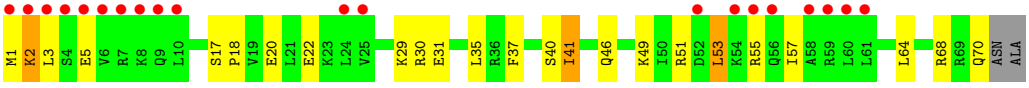
• Molecule 25: 50S ribosomal protein L28



• Molecule 26: 50S ribosomal protein L29

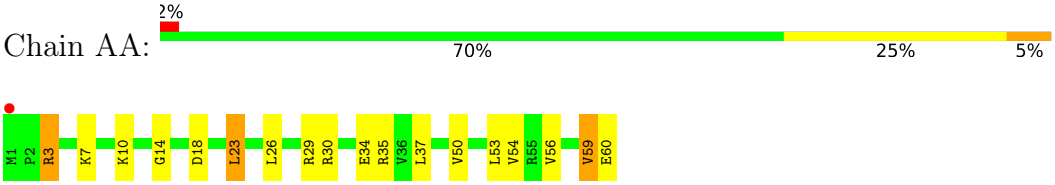


• Molecule 26: 50S ribosomal protein L29



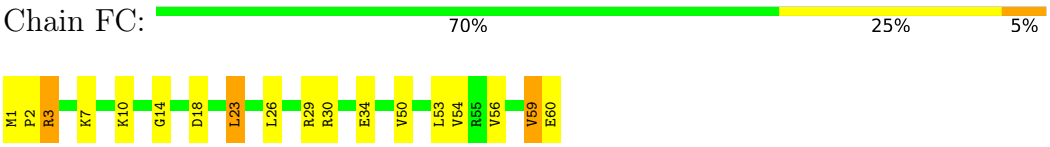
• Molecule 27: 50S ribosomal protein L30

Chain AA:



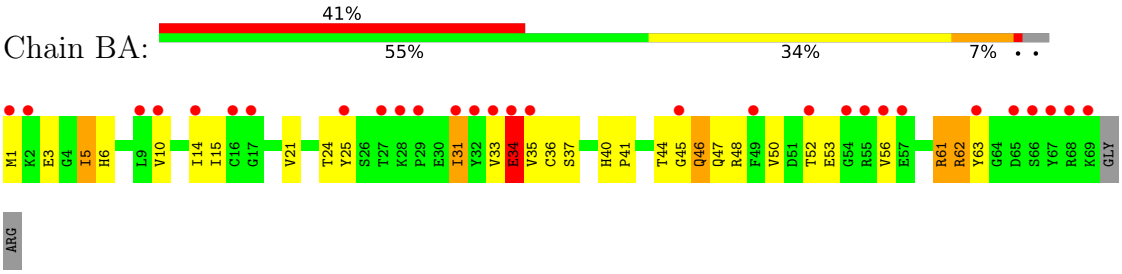
• Molecule 27: 50S ribosomal protein L30

Chain FC:



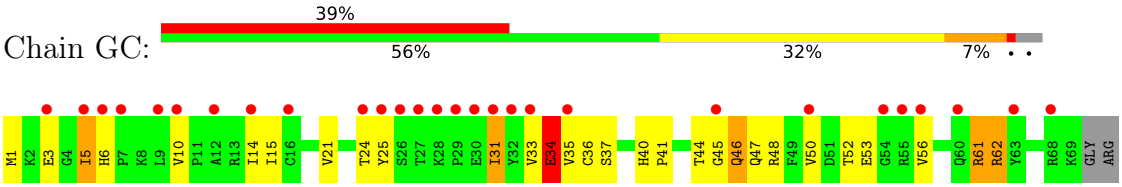
• Molecule 28: 50S ribosomal protein L31

Chain BA:



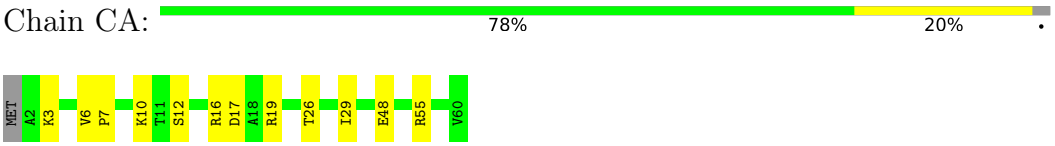
• Molecule 28: 50S ribosomal protein L31

Chain GC:



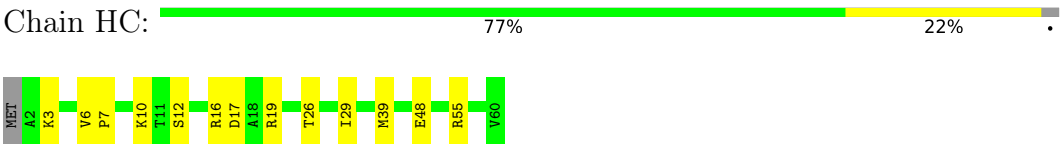
• Molecule 29: 50S ribosomal protein L32

Chain CA:



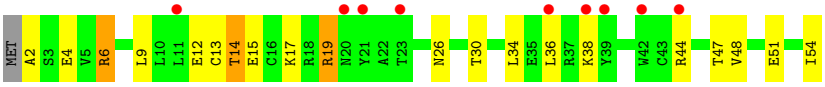
• Molecule 29: 50S ribosomal protein L32

Chain HC:



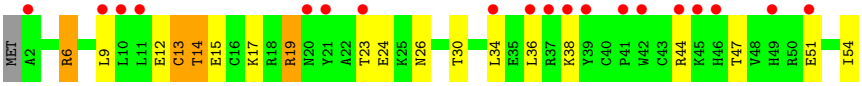
• Molecule 30: 50S ribosomal protein L33

Chain DA:



• Molecule 30: 50S ribosomal protein L33

Chain IC:

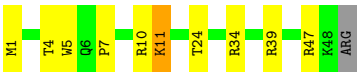


• Molecule 31: 50S ribosomal protein L34

Chain EA:

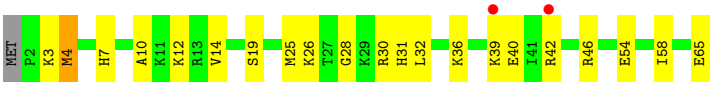
• Molecule 31: 50S ribosomal protein L34

Chain JC:



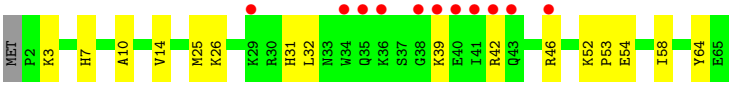
• Molecule 32: 50S ribosomal protein L35

Chain FA:



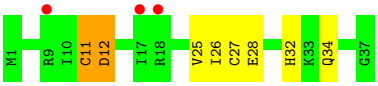
• Molecule 32: 50S ribosomal protein L35

Chain KC:



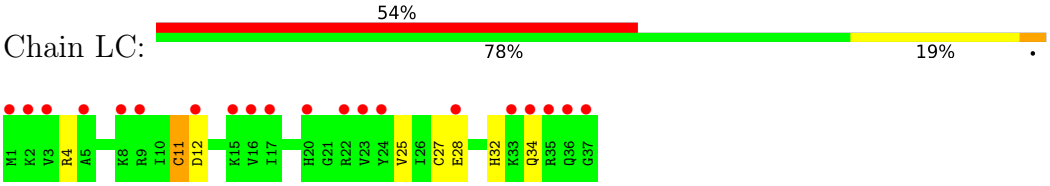
• Molecule 33: 50S ribosomal protein L36

Chain GA:



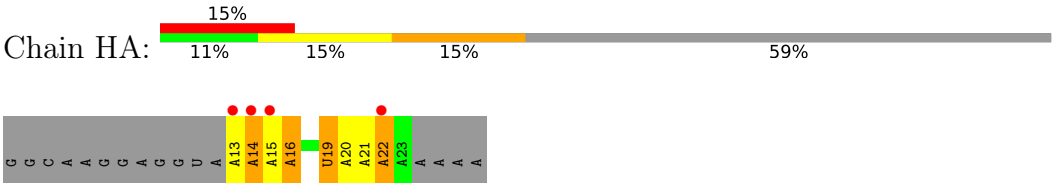
• Molecule 33: 50S ribosomal protein L36

Chain LC:



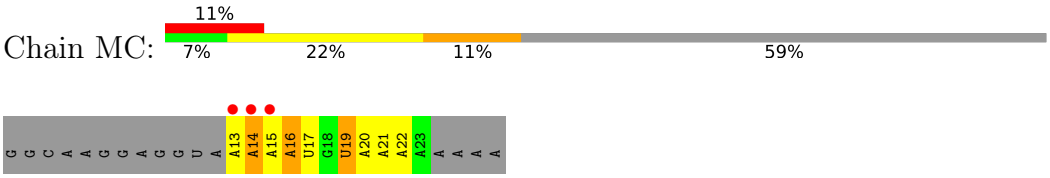
• Molecule 34: mRNA

Chain HA:



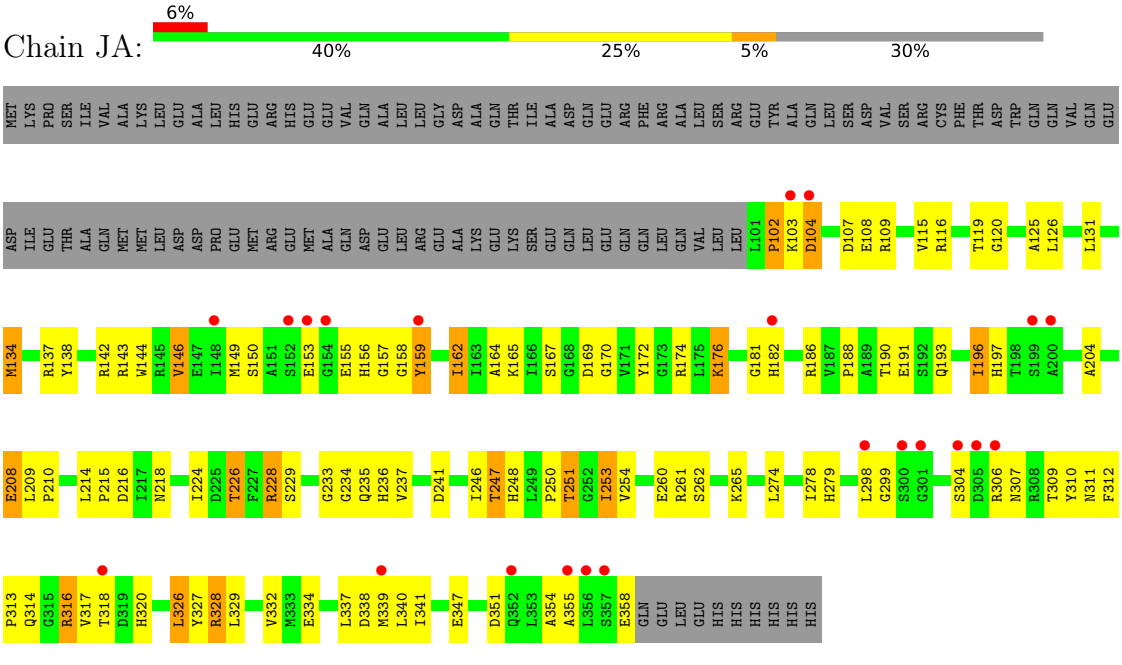
• Molecule 34: mRNA

Chain MC:



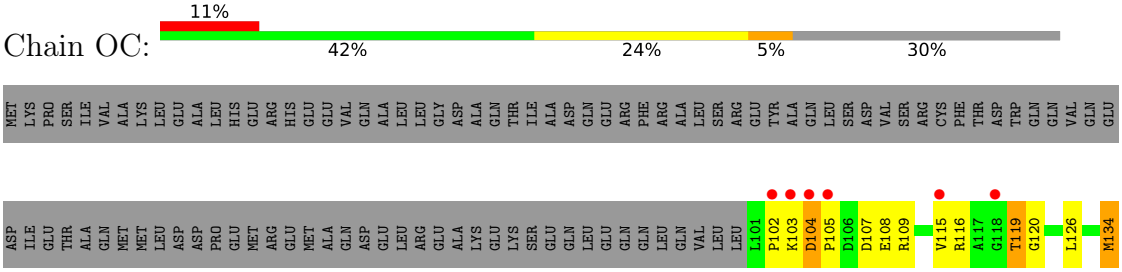
• Molecule 35: Peptide chain release factor 1

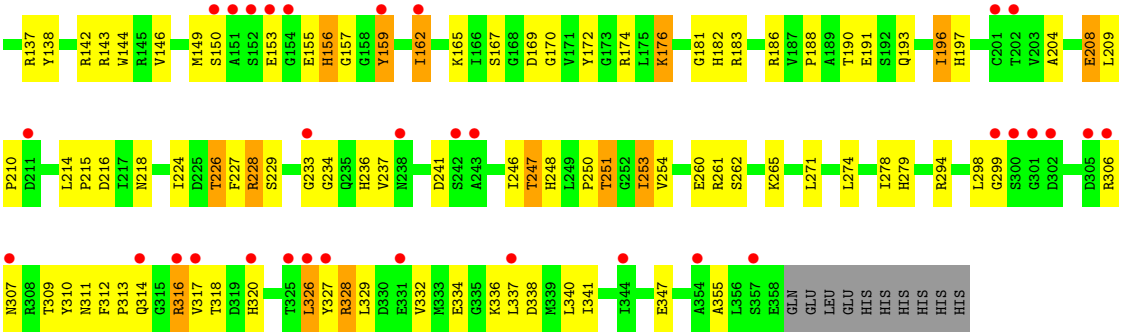
Chain JA:



• Molecule 35: Peptide chain release factor 1

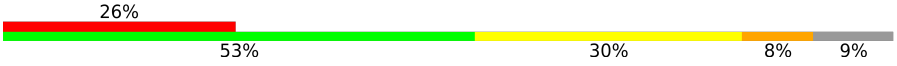
Chain OC:

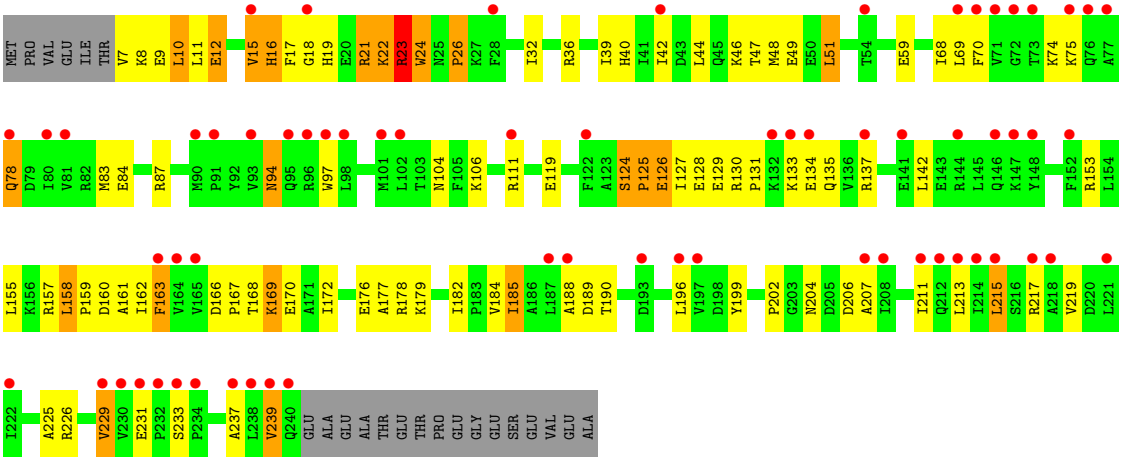




• Molecule 36: 30S ribosomal protein S2

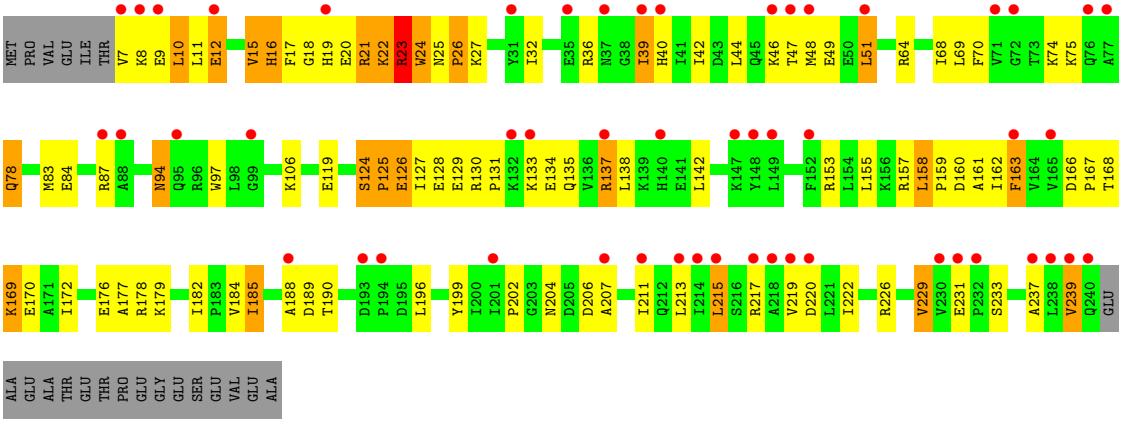
Chain KA:





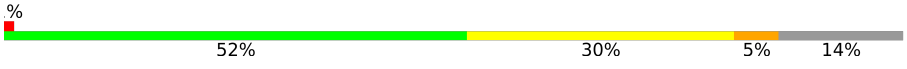
• Molecule 36: 30S ribosomal protein S2

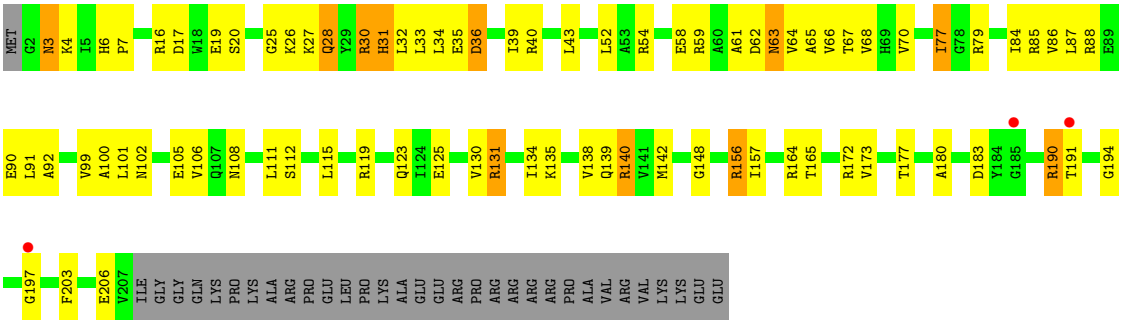
Chain PC:



• Molecule 37: 30S ribosomal protein S3

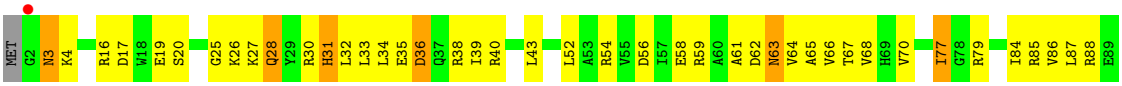
Chain LA:

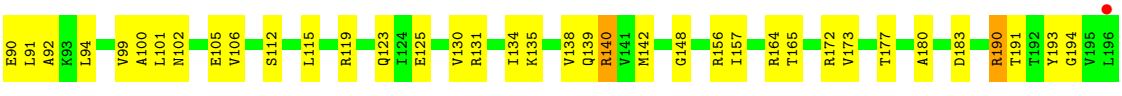




• Molecule 37: 30S ribosomal protein S3

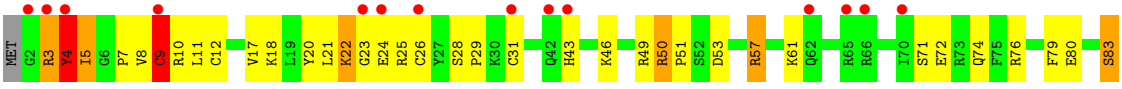
Chain QC:

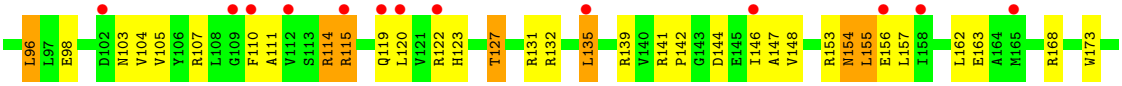


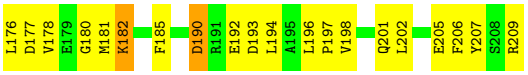


• Molecule 38: 30S ribosomal protein S4

Chain MA:

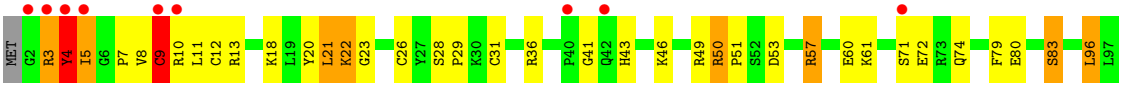


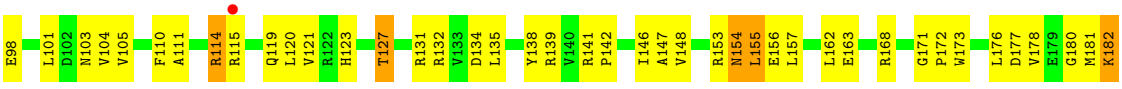




• Molecule 38: 30S ribosomal protein S4

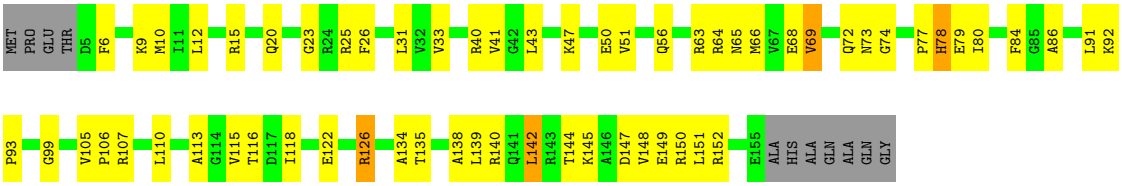
Chain RC:





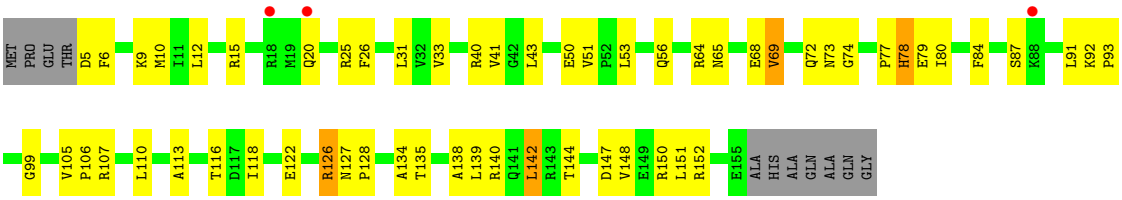
• Molecule 39: 30S ribosomal protein S5

Chain NA:



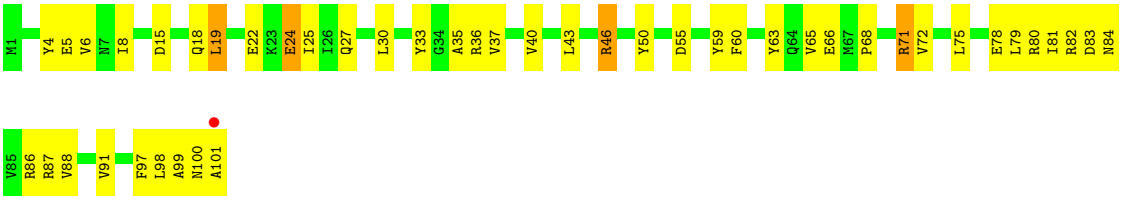
• Molecule 39: 30S ribosomal protein S5

Chain SC:



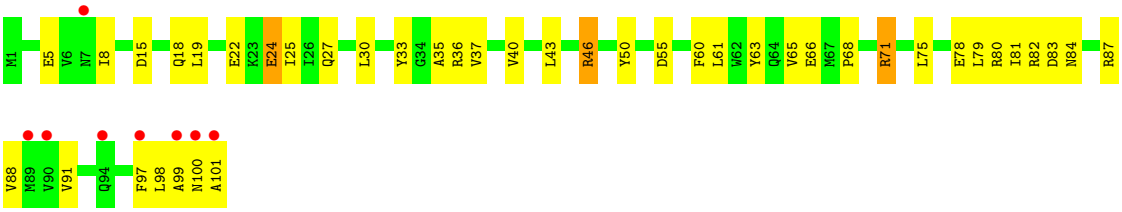
• Molecule 40: 30S ribosomal protein S6

Chain OA:



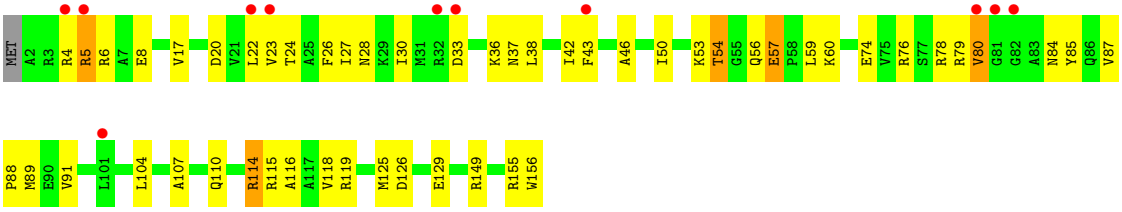
• Molecule 40: 30S ribosomal protein S6

Chain TC:



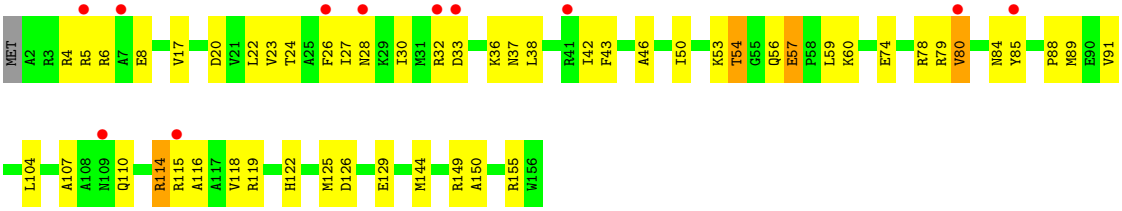
• Molecule 41: 30S ribosomal protein S7

Chain PA:



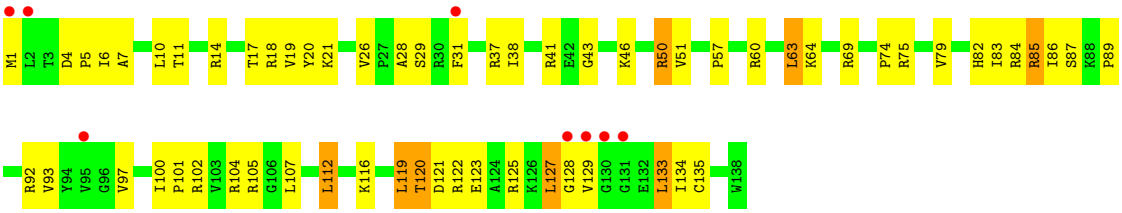
• Molecule 41: 30S ribosomal protein S7

Chain UC:



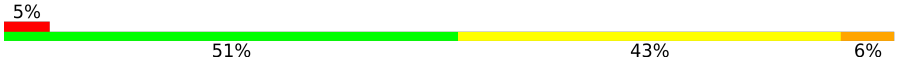
• Molecule 42: 30S ribosomal protein S8

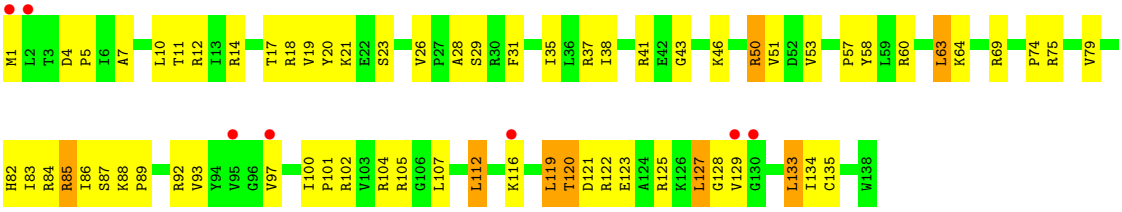
Chain QA:



• Molecule 42: 30S ribosomal protein S8

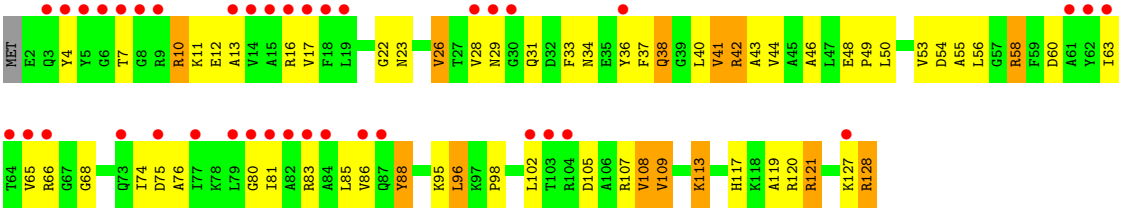
Chain VC:





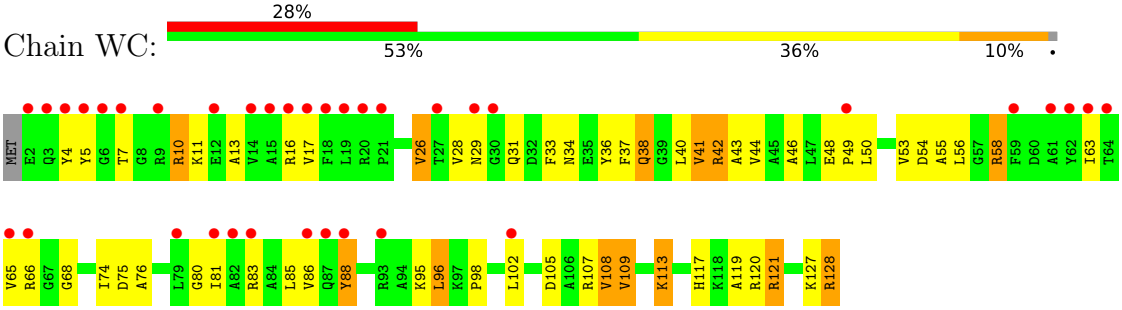
• Molecule 43: 30S ribosomal protein S9

Chain RA:



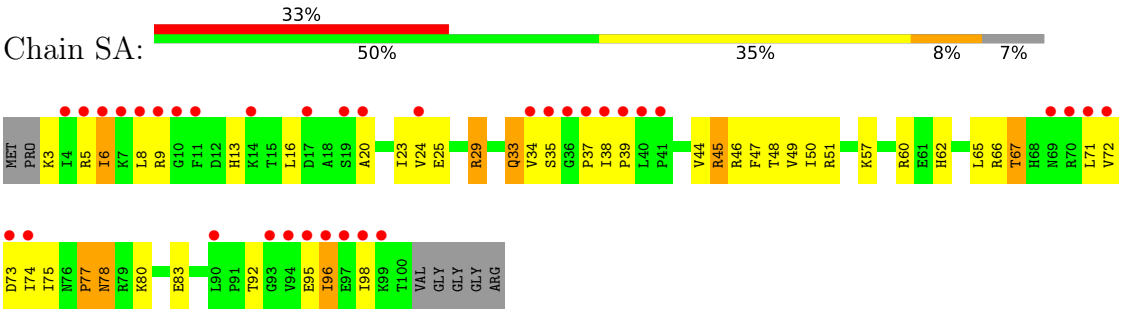
• Molecule 43: 30S ribosomal protein S9

Chain WC:



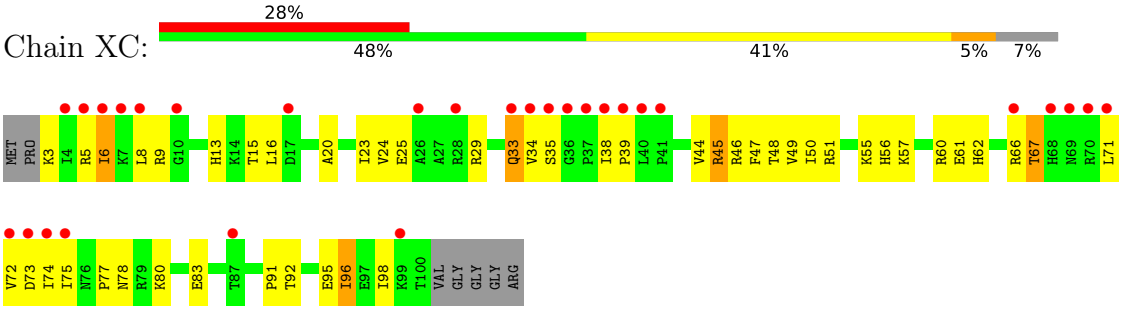
• Molecule 44: 30S ribosomal protein S10

Chain SA:



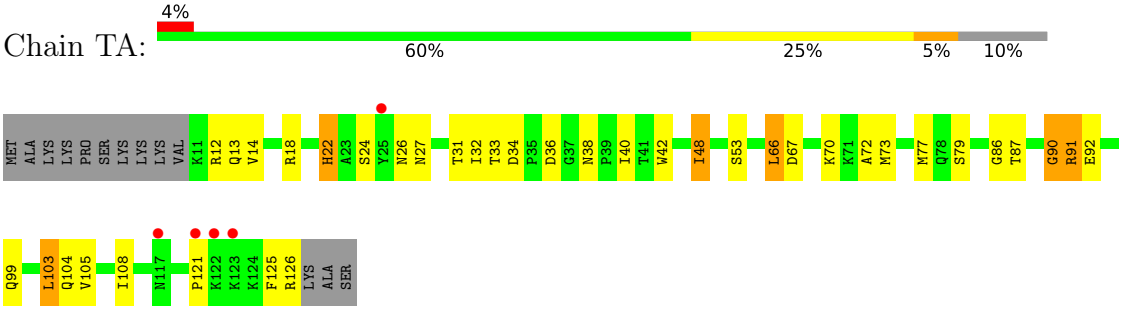
• Molecule 44: 30S ribosomal protein S10

Chain XC:



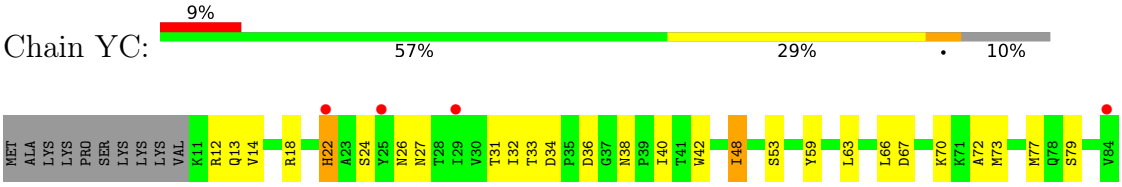
• Molecule 45: 30S ribosomal protein S11

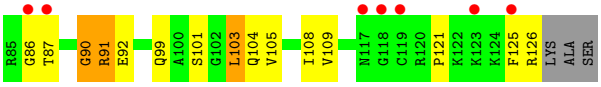
Chain TA:



• Molecule 45: 30S ribosomal protein S11

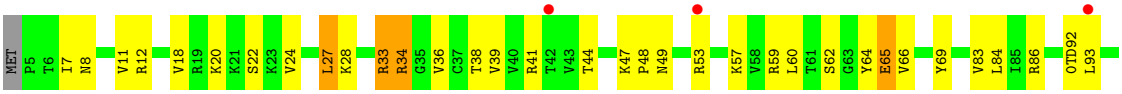
Chain YC:

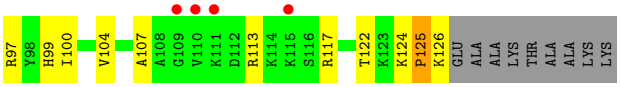




• Molecule 46: 30S ribosomal protein S12

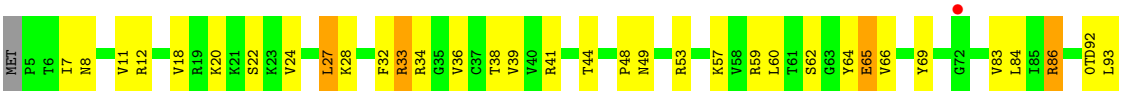
Chain UA:

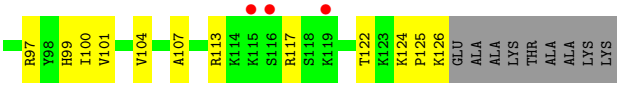




• Molecule 46: 30S ribosomal protein S12

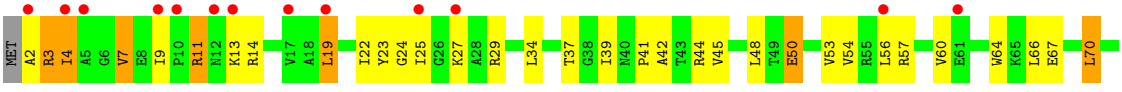
Chain ZC:

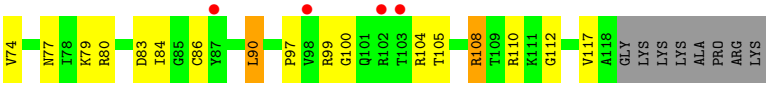




• Molecule 47: 30S ribosomal protein S13

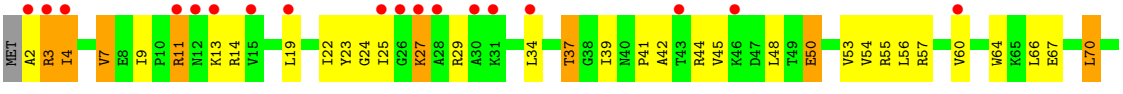
Chain VA:

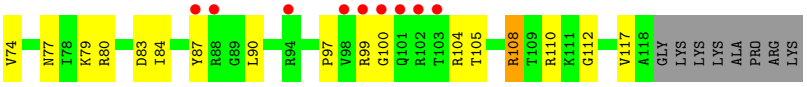




• Molecule 47: 30S ribosomal protein S13

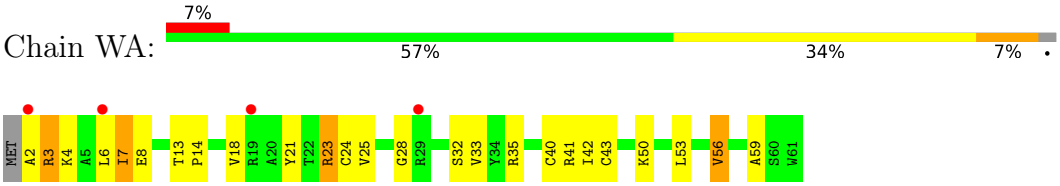
Chain AD:





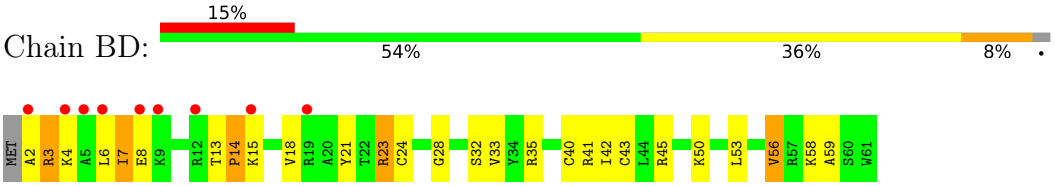
• Molecule 48: 30S ribosomal protein S14 type Z

Chain WA:



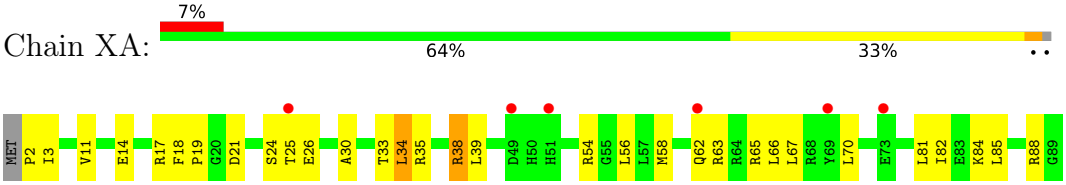
• Molecule 48: 30S ribosomal protein S14 type Z

Chain BD:



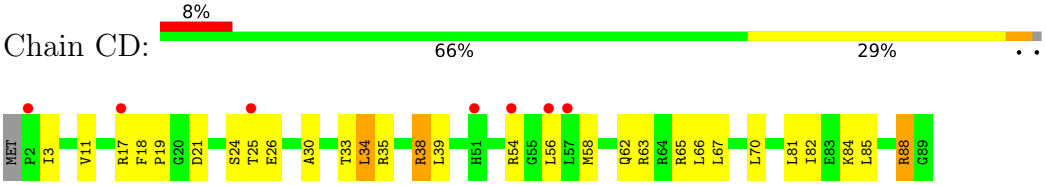
• Molecule 49: 30S ribosomal protein S15

Chain XA:



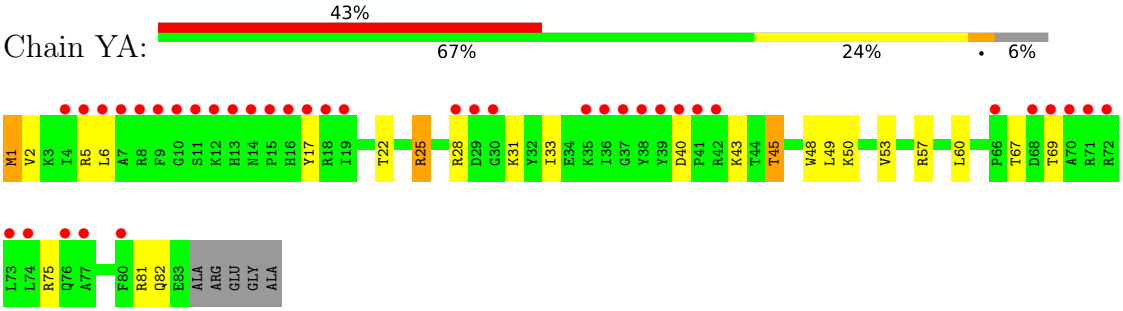
• Molecule 49: 30S ribosomal protein S15

Chain CD:



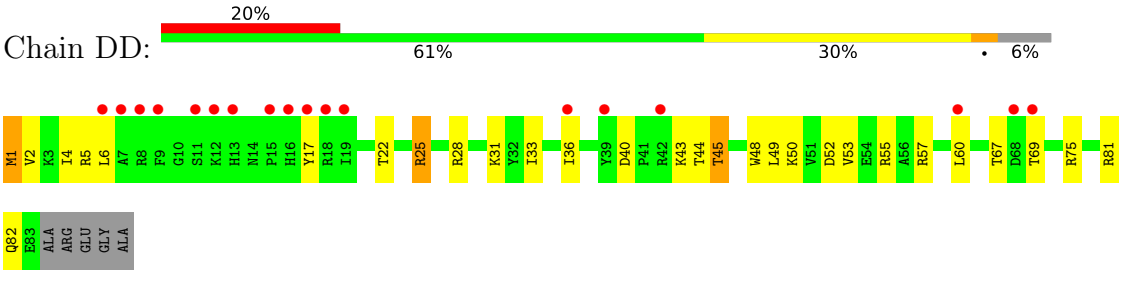
• Molecule 50: 30S ribosomal protein S16

Chain YA:



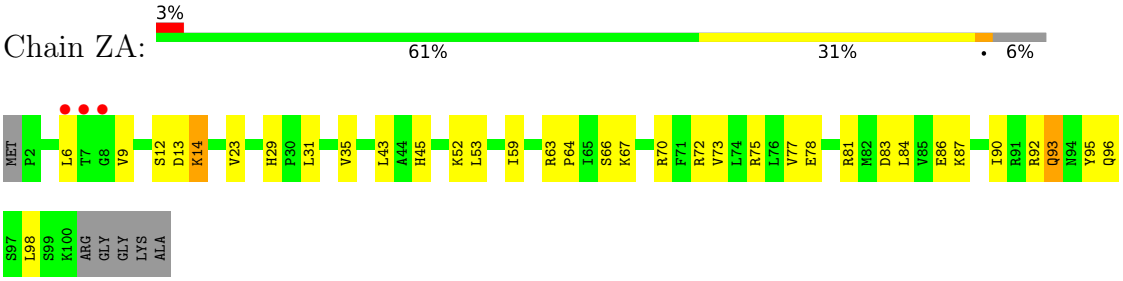
• Molecule 50: 30S ribosomal protein S16

Chain DD:



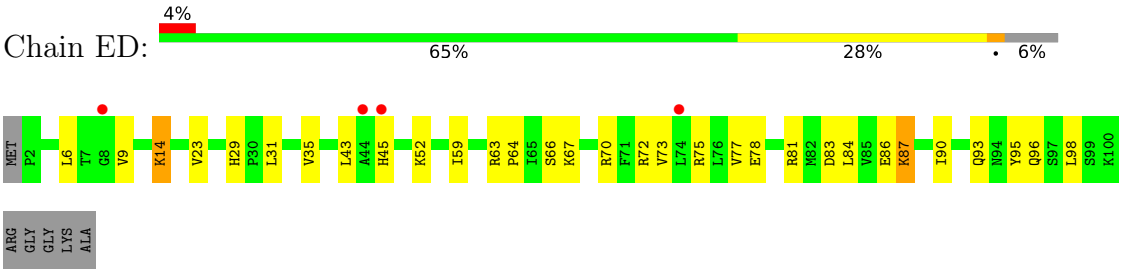
• Molecule 51: 30S ribosomal protein S17

Chain ZA:



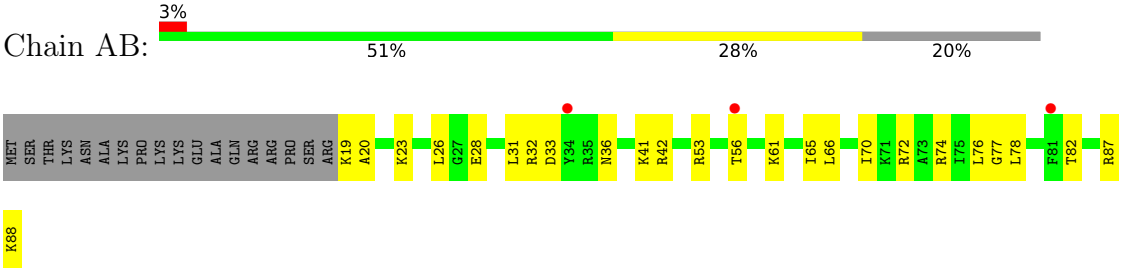
• Molecule 51: 30S ribosomal protein S17

Chain ED:



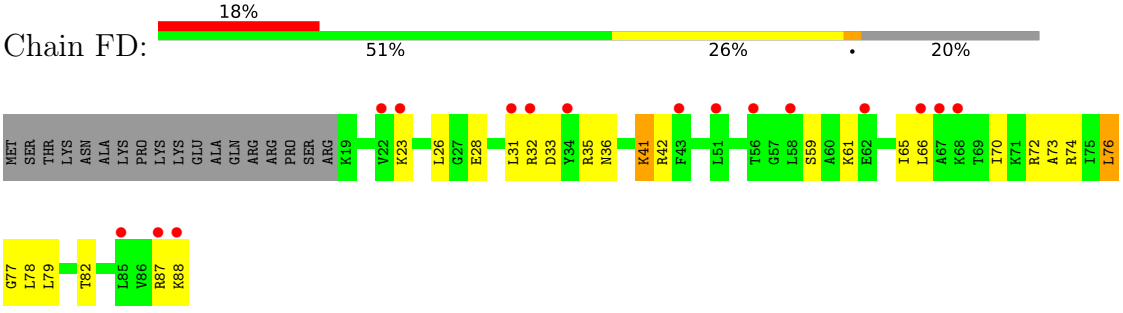
• Molecule 52: 30S ribosomal protein S18

Chain AB:



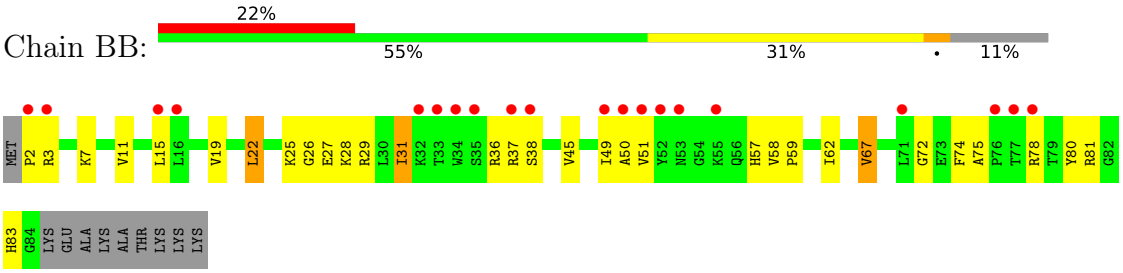
• Molecule 52: 30S ribosomal protein S18

Chain FD:



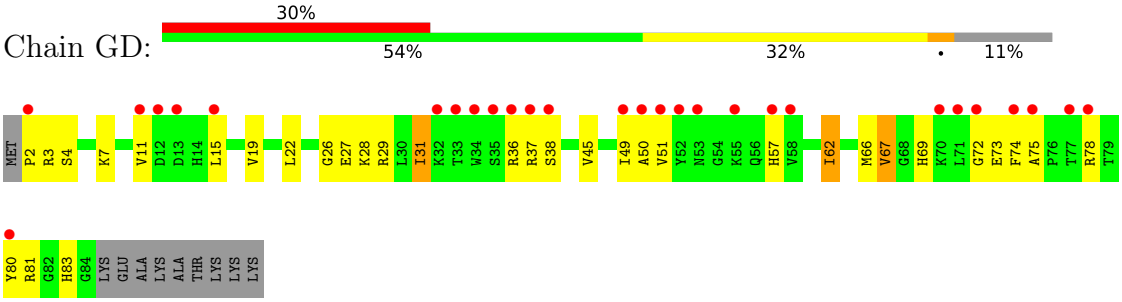
• Molecule 53: 30S ribosomal protein S19

Chain BB:



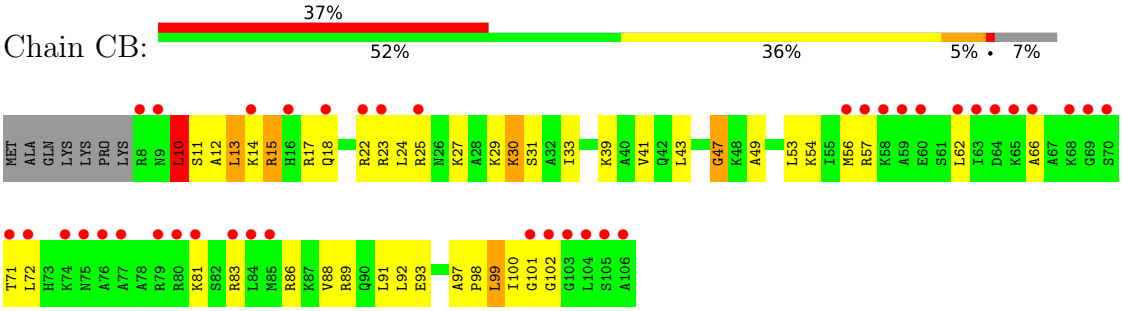
• Molecule 53: 30S ribosomal protein S19

Chain GD:



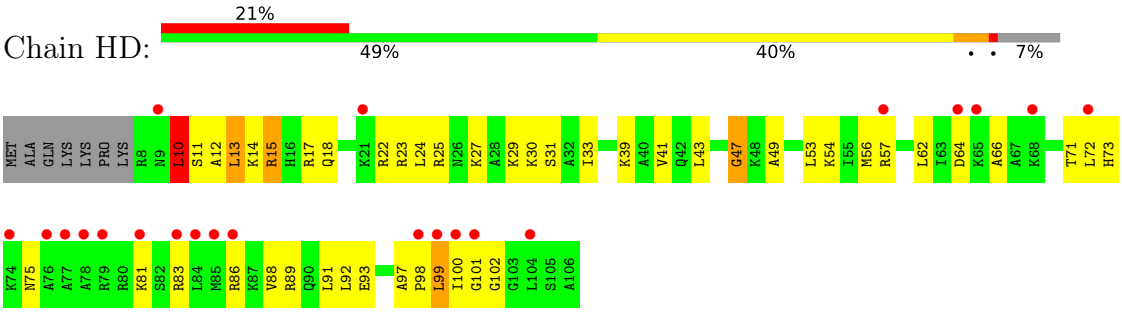
• Molecule 54: 30S ribosomal protein S20

Chain CB:



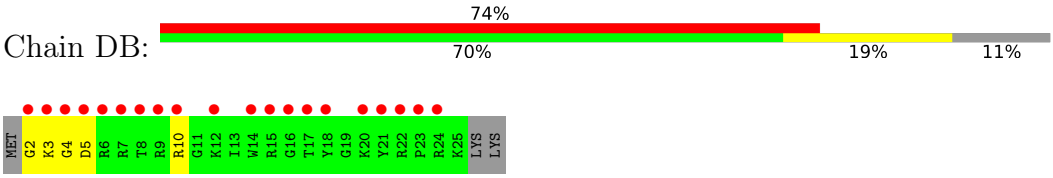
• Molecule 54: 30S ribosomal protein S20

Chain HD:



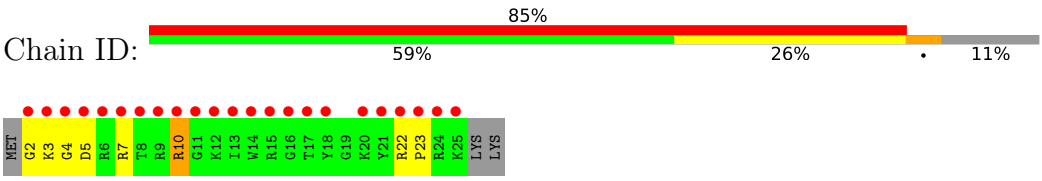
• Molecule 55: 30S ribosomal protein Thx

Chain DB:



• Molecule 55: 30S ribosomal protein Thx

Chain ID:



4 Data and refinement statistics (i)

Property	Value	Source
Space group	P 21 21 21	Depositor
Cell constants a, b, c, α, β, γ	211.54Å 454.40Å 619.47Å 90.00° 90.00° 90.00°	Depositor
Resolution (Å)	49.98 – 3.10 87.34 – 3.00	Depositor EDS
% Data completeness (in resolution range)	99.8 (49.98-3.10) 100.0 (87.34-3.00)	Depositor EDS
R_{merge}	(Not available)	Depositor
R_{sym}	(Not available)	Depositor
$< I/\sigma(I) >$ [1]	1.06 (at 3.01Å)	Xtriage
Refinement program	PHENIX 1.9_1692	Depositor
R, R_{free}	0.221 , 0.256 0.233 , 0.264	Depositor DCC
R_{free} test set	23533 reflections (2.00%)	wwPDB-VP
Wilson B-factor (Å^2)	74.6	Xtriage
Anisotropy	0.105	Xtriage
Bulk solvent k_{sol}(e/Å^3), B_{sol}(Å^2)	0.29 , 56.7	EDS
L-test for twinning[2]	$< \|L\| > = 0.41$, $< L^2 > = 0.23$	Xtriage
Estimated twinning fraction	No twinning to report.	Xtriage
F_o,F_c correlation	0.88	EDS
Total number of atoms	300991	wwPDB-VP
Average B, all atoms (Å^2)	86.0	wwPDB-VP

Xtriage's analysis on translational NCS is as follows: *The largest off-origin peak in the Patterson function is 1.40% of the height of the origin peak. No significant pseudotranslation is detected.*

[1] Intensities estimated from amplitudes.

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

5 Model quality (i)

5.1 Standard geometry (i)

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

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	A	0.53	0/35961	0.97	23/56125 (0.0%)
1	FB	0.55	1/35961 (0.0%)	0.99	26/56125 (0.0%)
2	B	0.85	30/69214 (0.0%)	1.22	348/108048 (0.3%)
2	GB	0.70	13/69214 (0.0%)	1.12	225/108048 (0.2%)
3	C	0.59	0/2881	1.00	1/4494 (0.0%)
3	HB	0.49	0/2881	0.92	0/4494
4	D	0.38	0/1744	0.85	1/2719 (0.0%)
4	IA	0.59	0/1744	1.01	2/2719 (0.1%)
4	IB	0.38	0/1744	0.86	1/2719 (0.0%)
4	NC	0.56	0/1744	0.97	1/2719 (0.0%)
5	E	0.66	1/2195 (0.0%)	0.68	0/2955
5	JB	0.55	0/2195	0.63	0/2955
6	F	0.58	0/1596	0.62	0/2153
6	KB	0.50	0/1596	0.60	0/2153
7	G	0.58	0/1621	0.63	0/2194
7	LB	0.49	0/1621	0.59	0/2194
8	H	0.39	0/1496	0.56	1/2013 (0.0%)
8	MB	0.35	0/1496	0.55	1/2013 (0.0%)
9	I	0.48	0/1356	0.57	0/1834
9	NB	0.32	0/1356	0.51	0/1834
10	J	0.45	0/1152	0.57	0/1559
10	OB	0.37	0/1152	0.55	0/1559
11	K	0.55	0/1148	0.59	0/1547
11	PB	0.43	0/1148	0.55	0/1547
12	L	0.55	0/942	0.60	0/1268
12	QB	0.50	0/942	0.57	0/1268
13	M	0.55	0/1162	0.62	0/1544
13	RB	0.47	0/1162	0.60	0/1544
14	N	0.62	2/1142 (0.2%)	0.58	0/1525
14	SB	0.51	0/1142	0.56	0/1525
15	O	0.50	0/982	0.62	0/1312
15	TB	0.43	0/982	0.58	0/1312

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	#|Z| >5	RMSZ	#|Z| >5
16	P	0.40	0/887	0.53	0/1180
16	UB	0.35	0/887	0.50	0/1180
17	Q	0.47	0/1157	0.56	0/1544
17	VB	0.43	0/1157	0.56	0/1544
18	R	0.58	0/982	0.61	0/1306
18	WB	0.47	0/982	0.54	0/1306
19	S	0.60	0/790	0.62	0/1057
19	XB	0.49	0/790	0.57	0/1057
20	T	0.60	0/901	0.64	0/1209
20	YB	0.52	0/901	0.62	0/1209
21	U	0.62	0/764	0.63	1/1025 (0.1%)
21	ZB	0.50	0/764	0.61	1/1025 (0.1%)
22	AC	0.49	0/827	0.59	0/1103
22	V	0.56	0/827	0.62	0/1103
23	BC	0.38	0/1527	0.52	0/2073
23	W	0.44	0/1527	0.54	0/2073
24	CC	0.48	0/671	0.61	0/892
24	X	0.59	0/671	0.64	0/892
25	DC	0.49	0/768	0.62	0/1021
25	Y	0.58	0/768	0.64	0/1021
26	EC	0.44	0/594	0.52	0/785
26	Z	0.59	0/594	0.57	0/785
27	AA	0.58	0/482	0.59	0/646
27	FC	0.45	0/482	0.58	0/646
28	BA	0.37	0/565	0.48	0/761
28	GC	0.37	0/565	0.48	0/761
29	CA	0.56	0/474	0.64	0/640
29	HC	0.48	0/474	0.59	0/640
30	DA	0.49	0/460	0.59	0/613
30	IC	0.44	0/460	0.55	0/613
31	EA	0.70	0/426	0.69	0/561
31	JC	0.56	0/426	0.62	0/561
32	FA	0.68	0/525	0.59	0/691
32	KC	0.54	0/525	0.57	0/691
33	GA	0.62	0/310	0.64	0/407
33	LC	0.45	0/310	0.58	0/407
34	HA	0.81	0/225	0.90	0/348
34	MC	0.82	0/225	0.87	0/348
35	JA	0.42	0/2037	0.59	0/2746
35	OC	0.38	0/2037	0.58	0/2746
36	KA	0.35	0/1935	0.53	0/2609
36	PC	0.36	0/1935	0.53	0/2609
37	LA	0.33	0/1636	0.47	0/2205

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	#|Z| >5	RMSZ	#|Z| >5
37	QC	0.34	0/1636	0.47	0/2205
38	MA	0.42	1/1733 (0.1%)	0.56	0/2318
38	RC	0.48	1/1733 (0.1%)	0.57	0/2318
39	NA	0.42	0/1171	0.55	0/1576
39	SC	0.47	0/1171	0.55	0/1576
40	OA	0.46	0/856	0.55	0/1154
40	TC	0.42	0/856	0.53	0/1154
41	PA	0.34	0/1276	0.46	0/1709
41	UC	0.33	0/1276	0.47	0/1709
42	QA	0.38	0/1136	0.55	0/1527
42	VC	0.39	0/1136	0.56	0/1527
43	RA	0.32	0/1029	0.47	0/1378
43	WC	0.32	0/1029	0.47	0/1378
44	SA	0.33	0/807	0.50	0/1085
44	XC	0.34	0/807	0.50	0/1085
45	TA	0.43	0/879	0.55	0/1187
45	YC	0.43	0/879	0.55	0/1187
46	UA	0.45	0/963	0.54	0/1287
46	ZC	0.45	0/963	0.54	0/1287
47	AD	0.31	0/943	0.52	0/1265
47	VA	0.32	0/943	0.52	0/1265
48	BD	0.35	0/501	0.50	0/664
48	WA	0.34	0/501	0.49	0/664
49	CD	0.42	0/745	0.53	0/992
49	XA	0.41	0/745	0.53	0/992
50	DD	0.41	0/716	0.52	0/963
50	YA	0.35	0/716	0.49	0/963
51	ED	0.45	0/836	0.53	0/1117
51	ZA	0.43	0/836	0.53	0/1117
52	AB	0.46	0/579	0.57	0/768
52	FD	0.45	0/579	0.57	0/768
53	BB	0.28	0/680	0.51	0/915
53	GD	0.28	0/680	0.51	0/915
54	CB	0.33	0/764	0.52	0/1006
54	HD	0.37	0/764	0.53	0/1006
55	DB	0.32	0/212	0.47	0/277
55	ID	0.31	0/212	0.45	0/277
All	All	0.63	49/322210 (0.0%)	0.98	632/481238 (0.1%)

The worst 5 of 49 bond length outliers are listed below:

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	B	1142(B)	A	N9-C4	-9.19	1.32	1.37
2	B	1762	A	N9-C4	8.08	1.42	1.37
2	B	2249	U	C4-O4	7.73	1.29	1.23
2	B	330	A	N9-C4	-7.25	1.33	1.37
5	E	237	GLU	CG-CD	7.22	1.62	1.51

The worst 5 of 632 bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	B	1671	U	N3-C4-O4	12.55	128.19	119.40
2	GB	330	A	C2-N3-C4	-11.88	104.66	110.60
2	GB	2593	U	N3-C4-C5	-11.59	107.65	114.60
2	B	1021	A	C2-N3-C4	-11.37	104.92	110.60
2	GB	1021	A	C2-N3-C4	-10.84	105.18	110.60

There are no chirality outliers.

There are no planarity outliers.

5.2 Too-close contacts (i)

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

Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
1	A	32394	0	16367	372	0
1	FB	32394	0	16366	348	0
2	B	62031	0	31273	576	0
2	GB	62031	0	31269	584	0
3	C	2576	0	1305	19	0
3	HB	2576	0	1305	17	0
4	D	1642	0	841	29	0
4	IA	1642	0	841	20	0
4	IB	1642	0	840	30	0
4	NC	1642	0	841	13	0
5	E	2145	0	2234	43	0
5	JB	2145	0	2234	51	0
6	F	1563	0	1629	36	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
6	KB	1563	0	1629	33	0
7	G	1586	0	1632	45	0
7	LB	1586	0	1632	40	0
8	H	1471	0	1526	50	0
8	MB	1471	0	1526	53	0
9	I	1330	0	1407	44	0
9	NB	1330	0	1407	42	0
10	J	1137	0	1225	46	0
10	OB	1137	0	1225	42	0
11	K	1121	0	1195	18	0
11	PB	1121	0	1195	22	0
12	L	932	0	994	21	0
12	QB	932	0	993	18	0
13	M	1145	0	1228	51	0
13	RB	1145	0	1228	43	0
14	N	1121	0	1179	40	0
14	SB	1121	0	1179	37	0
15	O	968	0	1032	26	0
15	TB	968	0	1033	26	0
16	P	877	0	938	31	0
16	UB	877	0	938	28	0
17	Q	1143	0	1211	41	0
17	VB	1143	0	1211	44	0
18	R	964	0	1022	20	0
18	WB	964	0	1022	23	0
19	S	779	0	852	12	0
19	XB	779	0	852	14	0
20	T	890	0	951	23	0
20	YB	890	0	951	20	0
21	U	750	0	814	9	0
21	ZB	750	0	814	10	0
22	AC	814	0	904	20	0
22	V	814	0	904	22	0
23	BC	1495	0	1521	38	0
23	W	1495	0	1521	34	0
24	CC	662	0	688	20	0
24	X	662	0	688	18	0
25	DC	761	0	837	23	0
25	Y	761	0	837	24	0
26	EC	592	0	654	15	0
26	Z	592	0	654	16	0
27	AA	477	0	529	13	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
27	FC	477	0	529	13	0
28	BA	552	0	537	19	0
28	GC	552	0	537	17	0
29	CA	460	0	480	9	0
29	HC	460	0	480	10	0
30	DA	453	0	473	13	0
30	IC	453	0	473	13	0
31	EA	418	0	467	14	0
31	JC	418	0	467	12	0
32	FA	517	0	582	15	0
32	KC	517	0	582	10	0
33	GA	307	0	335	5	0
33	LC	307	0	335	5	0
34	HA	220	0	108	7	0
34	MC	220	0	108	7	0
35	JA	2005	0	1964	61	0
35	OC	2005	0	1964	59	0
36	KA	1900	0	1951	66	0
36	PC	1900	0	1951	69	0
37	LA	1612	0	1677	50	0
37	QC	1612	0	1676	51	0
38	MA	1703	0	1767	71	0
38	RC	1703	0	1766	66	0
39	NA	1155	0	1213	33	0
39	SC	1155	0	1213	29	0
40	OA	843	0	857	34	0
40	TC	843	0	857	31	0
41	PA	1257	0	1296	29	0
41	UC	1257	0	1296	30	0
42	QA	1116	0	1177	52	0
42	VC	1116	0	1177	55	0
43	RA	1011	0	1043	45	0
43	WC	1011	0	1043	45	0
44	SA	794	0	840	36	0
44	XC	794	0	840	35	0
45	TA	864	0	881	30	0
45	YC	864	0	881	34	0
46	UA	958	0	1047	31	0
46	ZC	958	0	1047	29	0
47	AD	933	0	992	40	0
47	VA	933	0	992	44	0
48	BD	492	0	533	21	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
48	WA	492	0	533	20	0
49	CD	734	0	771	21	0
49	XA	734	0	771	22	0
50	DD	700	0	720	19	0
50	YA	700	0	720	15	0
51	ED	823	0	893	18	0
51	ZA	823	0	893	21	0
52	AB	574	0	644	16	0
52	FD	574	0	644	18	0
53	BB	665	0	686	19	0
53	GD	665	0	686	20	0
54	CB	762	0	859	32	0
54	HD	762	0	859	34	0
55	DB	208	0	221	3	0
55	ID	208	0	221	5	0
56	A	287	0	0	0	0
56	AA	4	0	0	0	0
56	AD	1	0	0	0	0
56	B	944	0	0	0	0
56	BA	3	0	0	0	0
56	BB	1	0	0	0	0
56	BC	9	0	0	0	0
56	C	44	0	0	0	0
56	CA	3	0	0	0	0
56	CB	1	0	0	0	0
56	CC	2	0	0	0	0
56	CD	3	0	0	0	0
56	D	2	0	0	0	0
56	DA	3	0	0	0	0
56	DB	1	0	0	0	0
56	DC	3	0	0	0	0
56	DD	1	0	0	0	0
56	E	10	0	0	0	0
56	EA	2	0	0	0	0
56	EC	4	0	0	0	0
56	ED	2	0	0	0	0
56	F	15	0	0	0	0
56	FA	4	0	0	0	0
56	FB	349	0	0	0	0
56	FC	1	0	0	0	0
56	G	11	0	0	0	0
56	GA	1	0	0	0	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
56	GB	812	0	0	0	0
56	GC	2	0	0	0	0
56	GD	1	0	0	0	0
56	H	3	0	0	0	0
56	HA	2	0	0	0	0
56	HB	32	0	0	0	0
56	HC	2	0	0	0	0
56	HD	1	0	0	0	0
56	I	7	0	0	0	0
56	IA	21	0	0	0	0
56	IB	5	0	0	0	0
56	J	3	0	0	0	0
56	JA	13	0	0	0	0
56	JB	13	0	0	0	0
56	K	9	0	0	0	0
56	KA	4	0	0	0	0
56	KB	4	0	0	0	0
56	KC	5	0	0	0	0
56	L	5	0	0	0	0
56	LA	2	0	0	0	0
56	LB	5	0	0	0	0
56	M	8	0	0	0	0
56	MA	5	0	0	0	0
56	MB	7	0	0	0	0
56	MC	1	0	0	0	0
56	N	6	0	0	0	0
56	NA	3	0	0	0	0
56	NB	3	0	0	0	0
56	NC	14	0	0	0	0
56	O	3	0	0	0	0
56	OA	4	0	0	0	0
56	OB	2	0	0	0	0
56	OC	7	0	0	0	0
56	P	4	0	0	0	0
56	PA	3	0	0	0	0
56	PB	4	0	0	0	0
56	PC	5	0	0	0	0
56	Q	4	0	0	0	0
56	QA	2	0	0	0	0
56	QB	6	0	0	0	0
56	QC	4	0	0	0	0
56	R	2	0	0	0	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
56	RA	4	0	0	0	0
56	RB	6	0	0	0	0
56	RC	11	0	0	0	0
56	S	8	0	0	0	0
56	SA	3	0	0	0	0
56	SB	4	0	0	0	0
56	SC	7	0	0	0	0
56	T	5	0	0	0	0
56	TA	1	0	0	0	0
56	TB	4	0	0	0	0
56	TC	1	0	0	0	0
56	U	2	0	0	0	0
56	UA	3	0	0	0	0
56	UB	1	0	0	0	0
56	UC	2	0	0	0	0
56	VA	3	0	0	0	0
56	VB	8	0	0	0	0
56	VC	2	0	0	0	0
56	W	8	0	0	0	0
56	WA	1	0	0	0	0
56	WB	3	0	0	0	0
56	WC	2	0	0	0	0
56	X	8	0	0	0	0
56	XA	3	0	0	0	0
56	XB	4	0	0	0	0
56	XC	2	0	0	0	0
56	Y	5	0	0	0	0
56	YA	1	0	0	0	0
56	YB	7	0	0	0	0
56	YC	6	0	0	0	0
56	Z	3	0	0	0	0
56	ZA	3	0	0	0	0
56	ZB	1	0	0	0	0
56	ZC	2	0	0	0	0
57	AC	1	0	0	0	0
57	BA	1	0	0	0	0
57	CA	1	0	0	0	0
57	DA	1	0	0	0	0
57	GA	1	0	0	0	0
57	GC	1	0	0	0	0
57	HC	1	0	0	0	0
57	IC	1	0	0	0	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
57	LC	1	0	0	0	0
57	V	1	0	0	0	0
All	All	300991	0	203678	4336	0

The all-atom clashscore is defined as the number of clashes found per 1000 atoms (including hydrogen atoms). The all-atom clashscore for this structure is 9.

The worst 5 of 4336 close contacts within the same asymmetric unit are listed below, sorted by their clash magnitude.

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
38:RC:9:CYS:SG	38:RC:18:LYS:NZ	2.06	1.28
38:MA:9:CYS:SG	38:MA:18:LYS:NZ	2.09	1.26
38:MA:18:LYS:NZ	38:MA:26:CYS:SG	2.12	1.20
38:RC:18:LYS:NZ	38:RC:26:CYS:SG	2.15	1.20
42:VC:50:ARG:HB3	42:VC:50:ARG:HH11	1.21	1.03

There are no symmetry-related clashes.

5.3 Torsion angles (i)

5.3.1 Protein backbone (i)

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

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

Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles
5	E	273/275 (99%)	252 (92%)	20 (7%)	1 (0%)	34 69
5	JB	273/275 (99%)	250 (92%)	22 (8%)	1 (0%)	34 69
6	F	202/206 (98%)	188 (93%)	12 (6%)	2 (1%)	15 49
6	KB	202/206 (98%)	189 (94%)	11 (5%)	2 (1%)	15 49
7	G	200/205 (98%)	184 (92%)	14 (7%)	2 (1%)	15 49
7	LB	200/205 (98%)	182 (91%)	16 (8%)	2 (1%)	15 49
8	H	179/182 (98%)	156 (87%)	19 (11%)	4 (2%)	6 29
8	MB	179/182 (98%)	157 (88%)	18 (10%)	4 (2%)	6 29

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles
9	I	172/180 (96%)	155 (90%)	16 (9%)	1 (1%)	25 59
9	NB	172/180 (96%)	155 (90%)	16 (9%)	1 (1%)	25 59
10	J	144/148 (97%)	128 (89%)	12 (8%)	4 (3%)	5 25
10	OB	144/148 (97%)	128 (89%)	12 (8%)	4 (3%)	5 25
11	K	138/140 (99%)	129 (94%)	9 (6%)	0	100 100
11	PB	138/140 (99%)	128 (93%)	10 (7%)	0	100 100
12	L	120/122 (98%)	108 (90%)	10 (8%)	2 (2%)	9 36
12	QB	120/122 (98%)	109 (91%)	10 (8%)	1 (1%)	19 54
13	M	148/150 (99%)	134 (90%)	13 (9%)	1 (1%)	22 57
13	RB	148/150 (99%)	134 (90%)	13 (9%)	1 (1%)	22 57
14	N	139/141 (99%)	130 (94%)	8 (6%)	1 (1%)	22 57
14	SB	139/141 (99%)	130 (94%)	8 (6%)	1 (1%)	22 57
15	O	116/118 (98%)	109 (94%)	5 (4%)	2 (2%)	9 36
15	TB	116/118 (98%)	108 (93%)	6 (5%)	2 (2%)	9 36
16	P	108/112 (96%)	96 (89%)	10 (9%)	2 (2%)	8 33
16	UB	108/112 (96%)	96 (89%)	10 (9%)	2 (2%)	8 33
17	Q	135/146 (92%)	122 (90%)	10 (7%)	3 (2%)	6 29
17	VB	135/146 (92%)	122 (90%)	11 (8%)	2 (2%)	10 39
18	R	115/118 (98%)	111 (96%)	4 (4%)	0	100 100
18	WB	115/118 (98%)	111 (96%)	4 (4%)	0	100 100
19	S	99/101 (98%)	92 (93%)	5 (5%)	2 (2%)	7 31
19	XB	99/101 (98%)	92 (93%)	6 (6%)	1 (1%)	15 49
20	T	110/113 (97%)	106 (96%)	4 (4%)	0	100 100
20	YB	110/113 (97%)	106 (96%)	4 (4%)	0	100 100
21	U	93/96 (97%)	89 (96%)	4 (4%)	0	100 100
21	ZB	93/96 (97%)	90 (97%)	3 (3%)	0	100 100
22	AC	105/110 (96%)	93 (89%)	12 (11%)	0	100 100
22	V	105/110 (96%)	95 (90%)	10 (10%)	0	100 100
23	BC	187/206 (91%)	167 (89%)	16 (9%)	4 (2%)	7 30
23	W	187/206 (91%)	167 (89%)	16 (9%)	4 (2%)	7 30
24	CC	82/85 (96%)	75 (92%)	4 (5%)	3 (4%)	3 19

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles
24	X	82/85 (96%)	75 (92%)	4 (5%)	3 (4%)	3 19
25	DC	95/98 (97%)	88 (93%)	6 (6%)	1 (1%)	14 46
25	Y	95/98 (97%)	88 (93%)	5 (5%)	2 (2%)	7 30
26	EC	68/72 (94%)	65 (96%)	3 (4%)	0	100 100
26	Z	68/72 (94%)	65 (96%)	3 (4%)	0	100 100
27	AA	58/60 (97%)	54 (93%)	3 (5%)	1 (2%)	9 36
27	FC	58/60 (97%)	53 (91%)	4 (7%)	1 (2%)	9 36
28	BA	67/71 (94%)	45 (67%)	16 (24%)	6 (9%)	1 4
28	GC	67/71 (94%)	45 (67%)	16 (24%)	6 (9%)	1 4
29	CA	57/60 (95%)	55 (96%)	2 (4%)	0	100 100
29	HC	57/60 (95%)	54 (95%)	3 (5%)	0	100 100
30	DA	51/54 (94%)	49 (96%)	2 (4%)	0	100 100
30	IC	51/54 (94%)	49 (96%)	2 (4%)	0	100 100
31	EA	46/49 (94%)	46 (100%)	0	0	100 100
31	JC	46/49 (94%)	46 (100%)	0	0	100 100
32	FA	62/65 (95%)	59 (95%)	3 (5%)	0	100 100
32	KC	62/65 (95%)	60 (97%)	2 (3%)	0	100 100
33	GA	35/37 (95%)	32 (91%)	1 (3%)	2 (6%)	1 10
33	LC	35/37 (95%)	32 (91%)	2 (6%)	1 (3%)	4 24
35	JA	256/368 (70%)	215 (84%)	32 (12%)	9 (4%)	3 20
35	OC	256/368 (70%)	218 (85%)	28 (11%)	10 (4%)	3 18
36	KA	232/256 (91%)	191 (82%)	24 (10%)	17 (7%)	1 6
36	PC	232/256 (91%)	190 (82%)	25 (11%)	17 (7%)	1 6
37	LA	204/239 (85%)	181 (89%)	18 (9%)	5 (2%)	5 27
37	QC	204/239 (85%)	179 (88%)	20 (10%)	5 (2%)	5 27
38	MA	206/209 (99%)	184 (89%)	17 (8%)	5 (2%)	6 27
38	RC	206/209 (99%)	182 (88%)	19 (9%)	5 (2%)	6 27
39	NA	149/162 (92%)	132 (89%)	14 (9%)	3 (2%)	7 31
39	SC	149/162 (92%)	132 (89%)	14 (9%)	3 (2%)	7 31
40	OA	99/101 (98%)	92 (93%)	7 (7%)	0	100 100
40	TC	99/101 (98%)	92 (93%)	7 (7%)	0	100 100

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles
41	PA	153/156 (98%)	139 (91%)	9 (6%)	5 (3%)	4 21
41	UC	153/156 (98%)	137 (90%)	11 (7%)	5 (3%)	4 21
42	QA	136/138 (99%)	126 (93%)	10 (7%)	0	100 100
42	VC	136/138 (99%)	124 (91%)	12 (9%)	0	100 100
43	RA	125/128 (98%)	109 (87%)	14 (11%)	2 (2%)	9 37
43	WC	125/128 (98%)	111 (89%)	13 (10%)	1 (1%)	19 54
44	SA	96/105 (91%)	81 (84%)	12 (12%)	3 (3%)	4 23
44	XC	96/105 (91%)	81 (84%)	12 (12%)	3 (3%)	4 23
45	TA	114/129 (88%)	103 (90%)	8 (7%)	3 (3%)	5 26
45	YC	114/129 (88%)	104 (91%)	7 (6%)	3 (3%)	5 26
46	UA	119/132 (90%)	104 (87%)	13 (11%)	2 (2%)	9 36
46	ZC	119/132 (90%)	105 (88%)	12 (10%)	2 (2%)	9 36
47	AD	115/126 (91%)	101 (88%)	13 (11%)	1 (1%)	17 52
47	VA	115/126 (91%)	100 (87%)	14 (12%)	1 (1%)	17 52
48	BD	58/61 (95%)	50 (86%)	6 (10%)	2 (3%)	3 21
48	WA	58/61 (95%)	50 (86%)	6 (10%)	2 (3%)	3 21
49	CD	86/89 (97%)	78 (91%)	7 (8%)	1 (1%)	13 44
49	XA	86/89 (97%)	78 (91%)	7 (8%)	1 (1%)	13 44
50	DD	81/88 (92%)	75 (93%)	6 (7%)	0	100 100
50	YA	81/88 (92%)	75 (93%)	6 (7%)	0	100 100
51	ED	97/105 (92%)	86 (89%)	9 (9%)	2 (2%)	7 30
51	ZA	97/105 (92%)	87 (90%)	8 (8%)	2 (2%)	7 30
52	AB	68/88 (77%)	60 (88%)	7 (10%)	1 (2%)	10 39
52	FD	68/88 (77%)	61 (90%)	5 (7%)	2 (3%)	4 24
53	BB	81/93 (87%)	70 (86%)	7 (9%)	4 (5%)	2 14
53	GD	81/93 (87%)	70 (86%)	7 (9%)	4 (5%)	2 14
54	CB	97/106 (92%)	83 (86%)	9 (9%)	5 (5%)	2 12
54	HD	97/106 (92%)	82 (84%)	10 (10%)	5 (5%)	2 12
55	DB	22/27 (82%)	17 (77%)	4 (18%)	1 (4%)	2 15
55	ID	22/27 (82%)	18 (82%)	3 (14%)	1 (4%)	2 15
All	All	11996/12852 (93%)	10786 (90%)	982 (8%)	228 (2%)	8 33

5 of 228 Ramachandran outliers are listed below:

Mol	Chain	Res	Type
8	H	47	LYS
9	I	126	PRO
10	J	92	VAL
14	N	60	ARG
15	O	2	ARG

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
5	E	217/217 (100%)	196 (90%)	21 (10%)	8 30
5	JB	217/217 (100%)	193 (89%)	24 (11%)	6 24
6	F	165/166 (99%)	150 (91%)	15 (9%)	9 33
6	KB	165/166 (99%)	149 (90%)	16 (10%)	8 30
7	G	161/162 (99%)	137 (85%)	24 (15%)	3 13
7	LB	161/162 (99%)	138 (86%)	23 (14%)	3 14
8	H	154/156 (99%)	132 (86%)	22 (14%)	3 14
8	MB	154/156 (99%)	132 (86%)	22 (14%)	3 14
9	I	144/148 (97%)	130 (90%)	14 (10%)	8 30
9	NB	144/148 (97%)	130 (90%)	14 (10%)	8 30
10	J	122/124 (98%)	95 (78%)	27 (22%)	1 4
10	OB	122/124 (98%)	96 (79%)	26 (21%)	1 4
11	K	119/119 (100%)	103 (87%)	16 (13%)	4 16
11	PB	119/119 (100%)	103 (87%)	16 (13%)	4 16
12	L	100/100 (100%)	90 (90%)	10 (10%)	7 28
12	QB	100/100 (100%)	89 (89%)	11 (11%)	6 25
13	M	116/116 (100%)	103 (89%)	13 (11%)	6 24
13	RB	116/116 (100%)	104 (90%)	12 (10%)	7 27
14	N	111/111 (100%)	100 (90%)	11 (10%)	8 29

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles
14	SB	111/111 (100%)	101 (91%)	10 (9%)	9 34
15	O	101/101 (100%)	89 (88%)	12 (12%)	5 20
15	TB	101/101 (100%)	88 (87%)	13 (13%)	4 18
16	P	87/88 (99%)	73 (84%)	14 (16%)	2 10
16	UB	87/88 (99%)	73 (84%)	14 (16%)	2 10
17	Q	121/128 (94%)	111 (92%)	10 (8%)	11 38
17	VB	121/128 (94%)	112 (93%)	9 (7%)	13 42
18	R	93/94 (99%)	84 (90%)	9 (10%)	8 30
18	WB	93/94 (99%)	84 (90%)	9 (10%)	8 30
19	S	82/82 (100%)	69 (84%)	13 (16%)	2 11
19	XB	82/82 (100%)	69 (84%)	13 (16%)	2 11
20	T	91/92 (99%)	84 (92%)	7 (8%)	13 41
20	YB	91/92 (99%)	84 (92%)	7 (8%)	13 41
21	U	77/78 (99%)	69 (90%)	8 (10%)	7 27
21	ZB	77/78 (99%)	70 (91%)	7 (9%)	9 33
22	AC	87/91 (96%)	77 (88%)	10 (12%)	5 22
22	V	87/91 (96%)	79 (91%)	8 (9%)	9 33
23	BC	163/179 (91%)	144 (88%)	19 (12%)	5 22
23	W	163/179 (91%)	144 (88%)	19 (12%)	5 22
24	CC	66/67 (98%)	60 (91%)	6 (9%)	9 33
24	X	66/67 (98%)	60 (91%)	6 (9%)	9 33
25	DC	81/83 (98%)	72 (89%)	9 (11%)	6 24
25	Y	81/83 (98%)	72 (89%)	9 (11%)	6 24
26	EC	66/67 (98%)	60 (91%)	6 (9%)	9 33
26	Z	66/67 (98%)	60 (91%)	6 (9%)	9 33
27	AA	52/52 (100%)	47 (90%)	5 (10%)	8 31
27	FC	52/52 (100%)	47 (90%)	5 (10%)	8 31
28	BA	59/63 (94%)	52 (88%)	7 (12%)	5 20
28	GC	59/63 (94%)	52 (88%)	7 (12%)	5 20
29	CA	51/52 (98%)	46 (90%)	5 (10%)	8 29
29	HC	51/52 (98%)	46 (90%)	5 (10%)	8 29

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles
30	DA	51/52 (98%)	46 (90%)	5 (10%)	8 29
30	IC	51/52 (98%)	46 (90%)	5 (10%)	8 29
31	EA	41/42 (98%)	35 (85%)	6 (15%)	3 13
31	JC	41/42 (98%)	37 (90%)	4 (10%)	8 29
32	FA	54/55 (98%)	48 (89%)	6 (11%)	6 24
32	KC	54/55 (98%)	50 (93%)	4 (7%)	13 42
33	GA	34/34 (100%)	33 (97%)	1 (3%)	42 72
33	LC	34/34 (100%)	34 (100%)	0	100 100
35	JA	209/308 (68%)	178 (85%)	31 (15%)	3 13
35	OC	209/308 (68%)	177 (85%)	32 (15%)	2 12
36	KA	202/220 (92%)	172 (85%)	30 (15%)	3 13
36	PC	202/220 (92%)	172 (85%)	30 (15%)	3 13
37	LA	160/188 (85%)	141 (88%)	19 (12%)	5 20
37	QC	160/188 (85%)	142 (89%)	18 (11%)	6 23
38	MA	180/181 (99%)	153 (85%)	27 (15%)	3 12
38	RC	180/181 (99%)	152 (84%)	28 (16%)	2 11
39	NA	116/123 (94%)	100 (86%)	16 (14%)	3 16
39	SC	116/123 (94%)	98 (84%)	18 (16%)	2 11
40	OA	90/90 (100%)	81 (90%)	9 (10%)	7 28
40	TC	90/90 (100%)	81 (90%)	9 (10%)	7 28
41	PA	126/127 (99%)	113 (90%)	13 (10%)	7 27
41	UC	126/127 (99%)	112 (89%)	14 (11%)	6 24
42	QA	119/119 (100%)	106 (89%)	13 (11%)	6 25
42	VC	119/119 (100%)	106 (89%)	13 (11%)	6 25
43	RA	98/99 (99%)	81 (83%)	17 (17%)	2 9
43	WC	98/99 (99%)	82 (84%)	16 (16%)	2 10
44	SA	88/92 (96%)	81 (92%)	7 (8%)	12 40
44	XC	88/92 (96%)	81 (92%)	7 (8%)	12 40
45	TA	88/99 (89%)	80 (91%)	8 (9%)	9 33
45	YC	88/99 (89%)	79 (90%)	9 (10%)	7 27
46	UA	102/108 (94%)	90 (88%)	12 (12%)	5 21

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles
46	ZC	102/108 (94%)	91 (89%)	11 (11%)	6 25
47	AD	94/101 (93%)	79 (84%)	15 (16%)	2 11
47	VA	94/101 (93%)	79 (84%)	15 (16%)	2 11
48	BD	49/50 (98%)	41 (84%)	8 (16%)	2 10
48	WA	49/50 (98%)	41 (84%)	8 (16%)	2 10
49	CD	79/80 (99%)	75 (95%)	4 (5%)	24 56
49	XA	79/80 (99%)	75 (95%)	4 (5%)	24 56
50	DD	72/74 (97%)	63 (88%)	9 (12%)	4 18
50	YA	72/74 (97%)	63 (88%)	9 (12%)	4 18
51	ED	94/97 (97%)	86 (92%)	8 (8%)	10 37
51	ZA	94/97 (97%)	85 (90%)	9 (10%)	8 31
52	AB	61/77 (79%)	56 (92%)	5 (8%)	11 38
52	FD	61/77 (79%)	56 (92%)	5 (8%)	11 38
53	BB	72/80 (90%)	63 (88%)	9 (12%)	4 18
53	GD	72/80 (90%)	65 (90%)	7 (10%)	8 30
54	CB	76/82 (93%)	67 (88%)	9 (12%)	5 21
54	HD	76/82 (93%)	68 (90%)	8 (10%)	7 26
55	DB	19/22 (86%)	18 (95%)	1 (5%)	22 54
55	ID	19/22 (86%)	18 (95%)	1 (5%)	22 54
All	All	10120/10672 (95%)	8924 (88%)	1196 (12%)	5 21

5 of 1196 residues with a non-rotameric sidechain are listed below:

Mol	Chain	Res	Type
35	OC	119	THR
48	BD	7	ILE
35	OC	328	ARG
32	KC	32	LEU
39	SC	64	ARG

Sometimes sidechains can be flipped to improve hydrogen bonding and reduce clashes. 5 of 20 such sidechains are listed below:

Mol	Chain	Res	Type
36	PC	94	ASN

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Mol	Chain	Res	Type
45	YC	22	HIS
46	ZC	8	ASN
45	YC	99	GLN
43	RA	3	GLN

5.3.3 RNA (i)

Mol	Chain	Analysed	Backbone Outliers	Pucker Outliers
1	A	1502/1507 (99%)	227 (15%)	11 (0%)
1	FB	1502/1507 (99%)	229 (15%)	11 (0%)
2	B	2876/2880 (99%)	476 (16%)	24 (0%)
2	GB	2876/2880 (99%)	476 (16%)	21 (0%)
3	C	119/120 (99%)	16 (13%)	1 (0%)
3	HB	119/120 (99%)	16 (13%)	1 (0%)
34	HA	9/27 (33%)	4 (44%)	0
34	MC	9/27 (33%)	4 (44%)	0
4	D	76/77 (98%)	15 (19%)	0
4	IA	76/77 (98%)	7 (9%)	1 (1%)
4	IB	76/77 (98%)	15 (19%)	0
4	NC	76/77 (98%)	7 (9%)	1 (1%)
All	All	9316/9376 (99%)	1492 (16%)	71 (0%)

5 of 1492 RNA backbone outliers are listed below:

Mol	Chain	Res	Type
1	A	9	G
1	A	22	G
1	A	32	A
1	A	39	G
1	A	47	C

5 of 71 RNA pucker outliers are listed below:

Mol	Chain	Res	Type
2	GB	1210	A
2	GB	1396	U
2	GB	2136	C
2	B	1396	U
2	B	1379	A

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

66 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	$\#\|Z\| > 2$
4	PSU	IA	55	4	18,21,22	1.66	2 (11%)	22,30,33	1.72	3 (13%)
4	5MU	IA	54	4,56	19,22,23	2.07	3 (15%)	28,32,35	2.15	9 (32%)
2	2MU	GB	2552	2,56	19,22,24	2.55	3 (15%)	26,31,36	2.14	8 (30%)
2	PSU	GB	2605	2	18,21,22	1.54	3 (16%)	22,30,33	1.48	4 (18%)
2	5MC	B	1942	2,56	18,22,23	1.56	3 (16%)	26,32,35	1.40	4 (15%)
2	5MU	GB	1915	2	19,22,23	2.08	3 (15%)	28,32,35	2.12	6 (21%)
2	4OC	GB	1920	2	19,22,24	1.16	1 (5%)	26,31,35	1.04	1 (3%)
1	5MC	A	1407	1	18,22,23	1.60	3 (16%)	26,32,35	1.16	2 (7%)
1	5MC	A	967	1	18,22,23	1.66	4 (22%)	26,32,35	1.11	1 (3%)
34	PSU	HA	19	34	18,21,22	1.59	2 (11%)	22,30,33	1.78	6 (27%)
2	5MC	B	1962	2,56	18,22,23	1.58	3 (16%)	26,32,35	1.27	2 (7%)
4	4SU	NC	8	4	18,21,22	5.43	1 (5%)	26,30,33	0.94	0
1	M2G	A	966	1	20,27,28	2.66	4 (20%)	22,40,43	1.38	4 (18%)
4	5MC	D	32	4	18,22,23	1.71	3 (16%)	26,32,35	0.96	2 (7%)
1	UR3	FB	1498	1,56	19,22,23	1.73	1 (5%)	26,32,35	1.34	2 (7%)
1	MA6	FB	1518	1	19,26,27	1.41	2 (10%)	18,38,41	1.51	2 (11%)
4	PSU	IB	55	4	18,21,22	1.67	3 (16%)	22,30,33	1.50	2 (9%)
4	5MU	IB	54	4	19,22,23	2.06	3 (15%)	28,32,35	2.00	8 (28%)
34	PSU	MC	19	34,56	18,21,22	1.63	2 (11%)	22,30,33	1.75	4 (18%)
1	4OC	A	1402	1	20,23,24	1.17	2 (10%)	26,32,35	1.03	1 (3%)
1	7MG	A	527	1,56	22,26,27	3.14	7 (31%)	29,39,42	1.99	9 (31%)
2	OMG	B	2251	4,2	18,26,27	2.34	5 (27%)	19,38,41	1.35	3 (15%)
1	5MC	FB	1404	1	18,22,23	1.64	3 (16%)	26,32,35	1.16	2 (7%)
2	OMG	GB	2251	4,2	18,26,27	2.27	5 (27%)	19,38,41	1.47	5 (26%)
1	2MG	A	1207	1	18,26,27	2.39	3 (16%)	16,38,41	1.27	2 (12%)
2	4OC	B	1920	2,56	19,22,24	1.16	1 (5%)	26,31,35	1.08	1 (3%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
1	PSU	A	516	1	18,21,22	1.48	2 (11%)	22,30,33	1.55	4 (18%)
4	5MC	IA	32	4	18,22,23	1.78	3 (16%)	26,32,35	1.14	3 (11%)
1	PSU	FB	516	1	18,21,22	1.48	2 (11%)	22,30,33	1.49	4 (18%)
1	2MG	FB	1207	1	18,26,27	2.37	3 (16%)	16,38,41	1.26	2 (12%)
4	PSU	NC	55	4	18,21,22	1.79	2 (11%)	22,30,33	1.57	2 (9%)
2	2MA	GB	2503	2	17,25,26	1.36	2 (11%)	17,37,40	1.04	1 (5%)
4	5MU	NC	54	4	19,22,23	2.11	3 (15%)	28,32,35	2.04	8 (28%)
2	PSU	B	1917	2	18,21,22	1.59	2 (11%)	22,30,33	1.62	4 (18%)
2	2MU	B	2552	2,56	19,22,24	2.68	7 (36%)	26,31,36	2.32	8 (30%)
2	5MU	B	1915	2	19,22,23	1.96	3 (15%)	28,32,35	2.44	5 (17%)
2	5MU	GB	1939	2,56	19,22,23	2.25	3 (15%)	28,32,35	2.55	8 (28%)
1	5MC	FB	1400	1	18,22,23	1.57	3 (16%)	26,32,35	1.05	2 (7%)
4	4SU	IB	8	4	18,21,22	5.50	1 (5%)	26,30,33	0.60	0
4	5MC	IB	32	4	18,22,23	1.70	4 (22%)	26,32,35	1.03	2 (7%)
2	PSU	GB	1917	2	18,21,22	1.70	2 (11%)	22,30,33	1.73	5 (22%)
1	5MC	A	1400	1	18,22,23	1.65	3 (16%)	26,32,35	1.10	2 (7%)
1	MA6	A	1518	1	19,26,27	1.48	2 (10%)	18,38,41	1.64	2 (11%)
2	PSU	B	1911	2	18,21,22	1.61	2 (11%)	22,30,33	1.51	4 (18%)
1	5MC	A	1404	1	18,22,23	1.75	3 (16%)	26,32,35	1.20	2 (7%)
2	PSU	GB	1911	2	18,21,22	1.58	2 (11%)	22,30,33	1.75	4 (18%)
4	4SU	IA	8	4	18,21,22	5.45	1 (5%)	26,30,33	0.90	0
1	MA6	A	1519	1	19,26,27	1.48	3 (15%)	18,38,41	1.44	2 (11%)
2	2MA	B	2503	2	17,25,26	1.34	2 (11%)	17,37,40	1.14	2 (11%)
1	5MC	FB	967	1	18,22,23	1.70	4 (22%)	26,32,35	1.18	3 (11%)
1	5MC	FB	1407	1	18,22,23	1.53	3 (16%)	26,32,35	1.08	2 (7%)
1	MA6	FB	1519	1	19,26,27	1.40	3 (15%)	18,38,41	1.42	2 (11%)
1	UR3	A	1498	1,56	19,22,23	1.72	1 (5%)	26,32,35	1.31	2 (7%)
2	5MC	GB	1942	2	18,22,23	1.65	3 (16%)	26,32,35	1.51	4 (15%)
4	5MC	NC	32	4	18,22,23	1.68	3 (16%)	26,32,35	1.18	3 (11%)
1	4OC	FB	1402	1,56	20,23,24	1.08	2 (10%)	26,32,35	1.10	1 (3%)
4	4SU	D	8	4	18,21,22	5.44	1 (5%)	26,30,33	0.63	0
4	5MU	D	54	4	19,22,23	2.06	3 (15%)	28,32,35	1.99	7 (25%)
4	PSU	D	55	4	18,21,22	1.72	3 (16%)	22,30,33	1.50	2 (9%)
2	PSU	B	2605	2	18,21,22	1.56	2 (11%)	22,30,33	1.59	4 (18%)
1	7MG	FB	527	1	22,26,27	3.14	7 (31%)	29,39,42	2.01	10 (34%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
2	5MC	GB	1962	2	18,22,23	1.67	3 (16%)	26,32,35	1.09	1 (3%)
1	M2G	FB	966	1	20,27,28	2.54	3 (15%)	22,40,43	1.42	6 (27%)
46	0TD	UA	92	46	7,9,10	1.83	1 (14%)	6,11,13	2.59	3 (50%)
46	0TD	ZC	92	46	7,9,10	1.98	1 (14%)	6,11,13	2.56	3 (50%)
2	5MU	B	1939	2,56	19,22,23	2.09	2 (10%)	28,32,35	2.49	8 (28%)

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
4	PSU	IA	55	4	-	0/7/25/26	0/2/2/2
4	5MU	IA	54	4,56	-	0/7/25/26	0/2/2/2
2	2MU	GB	2552	2,56	-	2/9/27/28	0/2/2/2
2	PSU	GB	2605	2	-	0/7/25/26	0/2/2/2
2	5MC	B	1942	2,56	-	0/7/25/26	0/2/2/2
2	5MU	GB	1915	2	-	0/7/25/26	0/2/2/2
2	4OC	GB	1920	2	-	0/9/27/30	0/2/2/2
1	5MC	A	1407	1	-	0/7/25/26	0/2/2/2
1	5MC	A	967	1	-	0/7/25/26	0/2/2/2
34	PSU	HA	19	34	-	0/7/25/26	0/2/2/2
2	5MC	B	1962	2,56	-	2/7/25/26	0/2/2/2
4	4SU	NC	8	4	-	0/7/25/26	0/2/2/2
1	M2G	A	966	1	-	0/7/29/30	0/3/3/3
4	5MC	D	32	4	-	0/7/25/26	0/2/2/2
1	UR3	FB	1498	1,56	-	0/7/25/26	0/2/2/2
1	MA6	FB	1518	1	-	0/7/29/30	0/3/3/3
4	PSU	IB	55	4	-	0/7/25/26	0/2/2/2
4	5MU	IB	54	4	-	0/7/25/26	0/2/2/2
34	PSU	MC	19	34,56	-	0/7/25/26	0/2/2/2
1	4OC	A	1402	1	-	2/9/29/30	0/2/2/2
1	7MG	A	527	1,56	-	1/7/37/38	0/3/3/3
2	OMG	B	2251	4,2	-	1/5/27/28	0/3/3/3
1	5MC	FB	1404	1	-	0/7/25/26	0/2/2/2
2	OMG	GB	2251	4,2	-	1/5/27/28	0/3/3/3
1	2MG	A	1207	1	-	0/5/27/28	0/3/3/3
2	4OC	B	1920	2,56	-	1/9/27/30	0/2/2/2
1	PSU	A	516	1	-	0/7/25/26	0/2/2/2
4	5MC	IA	32	4	-	0/7/25/26	0/2/2/2
1	PSU	FB	516	1	-	0/7/25/26	0/2/2/2

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
1	2MG	FB	1207	1	-	0/5/27/28	0/3/3/3
4	PSU	NC	55	4	-	0/7/25/26	0/2/2/2
2	2MA	GB	2503	2	-	2/3/25/26	0/3/3/3
4	5MU	NC	54	4	-	0/7/25/26	0/2/2/2
2	PSU	B	1917	2	-	0/7/25/26	0/2/2/2
2	2MU	B	2552	2,56	-	2/9/27/28	0/2/2/2
2	5MU	B	1915	2	-	0/7/25/26	0/2/2/2
2	5MU	GB	1939	2,56	-	0/7/25/26	0/2/2/2
1	5MC	FB	1400	1	-	0/7/25/26	0/2/2/2
4	4SU	IB	8	4	-	0/7/25/26	0/2/2/2
4	5MC	IB	32	4	-	0/7/25/26	0/2/2/2
2	PSU	GB	1917	2	-	0/7/25/26	0/2/2/2
1	5MC	A	1400	1	-	0/7/25/26	0/2/2/2
1	MA6	A	1518	1	-	0/7/29/30	0/3/3/3
2	PSU	B	1911	2	-	0/7/25/26	0/2/2/2
1	5MC	A	1404	1	-	0/7/25/26	0/2/2/2
2	PSU	GB	1911	2	-	0/7/25/26	0/2/2/2
4	4SU	IA	8	4	-	0/7/25/26	0/2/2/2
1	MA6	A	1519	1	-	4/7/29/30	0/3/3/3
2	2MA	B	2503	2	-	2/3/25/26	0/3/3/3
1	5MC	FB	967	1	-	0/7/25/26	0/2/2/2
1	5MC	FB	1407	1	-	0/7/25/26	0/2/2/2
1	MA6	FB	1519	1	-	4/7/29/30	0/3/3/3
1	UR3	A	1498	1,56	-	0/7/25/26	0/2/2/2
2	5MC	GB	1942	2	-	0/7/25/26	0/2/2/2
4	5MC	NC	32	4	-	0/7/25/26	0/2/2/2
1	4OC	FB	1402	1,56	-	2/9/29/30	0/2/2/2
4	4SU	D	8	4	-	0/7/25/26	0/2/2/2
4	5MU	D	54	4	-	0/7/25/26	0/2/2/2
4	PSU	D	55	4	-	0/7/25/26	0/2/2/2
2	PSU	B	2605	2	-	0/7/25/26	0/2/2/2
1	7MG	FB	527	1	-	1/7/37/38	0/3/3/3
2	5MC	GB	1962	2	-	2/7/25/26	0/2/2/2
1	M2G	FB	966	1	-	0/7/29/30	0/3/3/3
46	0TD	UA	92	46	-	2/7/12/14	-
46	0TD	ZC	92	46	-	2/7/12/14	-
2	5MU	B	1939	2,56	-	0/7/25/26	0/2/2/2

The worst 5 of 180 bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
4	IB	8	4SU	C4-S4	-23.30	1.24	1.68
4	IA	8	4SU	C4-S4	-23.02	1.24	1.68
4	D	8	4SU	C4-S4	-23.01	1.24	1.68
4	NC	8	4SU	C4-S4	-22.94	1.25	1.68
1	A	527	7MG	O6-C6	10.14	1.42	1.23

The worst 5 of 230 bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	B	1915	5MU	C5-C4-N3	7.54	121.75	115.31
2	GB	1939	5MU	C4-N3-C2	-6.40	119.06	127.35
2	B	1939	5MU	C4-N3-C2	-6.11	119.44	127.35
2	B	1915	5MU	C4-N3-C2	-6.06	119.50	127.35
1	A	1518	MA6	N3-C2-N1	-5.70	119.77	128.68

There are no chirality outliers.

5 of 33 torsion outliers are listed below:

Mol	Chain	Res	Type	Atoms
2	B	2251	OMG	C1'-C2'-O2'-CM2
2	B	2552	2MU	C1'-C2'-O2'-C6'
2	GB	2251	OMG	C1'-C2'-O2'-CM2
2	GB	2552	2MU	C1'-C2'-O2'-C6'
1	A	1402	4OC	O4'-C4'-C5'-O5'

There are no ring outliers.

25 monomers are involved in 33 short contacts:

Mol	Chain	Res	Type	Clashes	Symm-Clashes
2	GB	2552	2MU	2	0
1	A	967	5MC	2	0
34	HA	19	PSU	1	0
1	A	966	M2G	1	0
4	D	32	5MC	1	0
1	FB	1498	UR3	2	0
1	FB	1518	MA6	1	0
4	IB	54	5MU	1	0
34	MC	19	PSU	1	0
2	B	2251	OMG	1	0
2	GB	2251	OMG	1	0
2	B	1920	4OC	1	0
2	B	2552	2MU	2	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
2	GB	1939	5MU	1	0
4	IB	8	4SU	3	0
4	IB	32	5MC	1	0
1	A	1518	MA6	1	0
1	A	1519	MA6	1	0
1	FB	967	5MC	2	0
1	FB	1519	MA6	2	0
1	A	1498	UR3	1	0
4	D	8	4SU	3	0
4	D	54	5MU	1	0
1	FB	966	M2G	1	0
2	B	1939	5MU	1	0

5.5 Carbohydrates (i)

There are no monosaccharides in this entry.

5.6 Ligand geometry (i)

Of 2903 ligands modelled in this entry, 2903 are monoatomic - leaving 0 for Mogul analysis.

There are no bond length outliers.

There are no bond angle outliers.

There are no chirality outliers.

There are no torsion outliers.

There are no ring outliers.

No monomer is involved in short contacts.

5.7 Other polymers (i)

There are no such residues in this entry.

5.8 Polymer linkage issues (i)

There are no chain breaks in this entry.

6 Fit of model and data

6.1 Protein, DNA and RNA chains

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

Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å^2)	Q<0.9
1	A	1495/1507 (99%)	0.43	99 (6%) 18 7	52, 100, 166, 256	0
1	FB	1495/1507 (99%)	0.44	88 (5%) 22 10	57, 88, 151, 209	0
2	B	2869/2880 (99%)	0.35	134 (4%) 31 15	36, 55, 145, 201	0
2	GB	2869/2880 (99%)	0.53	187 (6%) 18 8	47, 73, 172, 242	0
3	C	120/120 (100%)	0.25	4 (3%) 46 24	63, 83, 96, 117	0
3	HB	120/120 (100%)	0.32	6 (5%) 28 13	80, 111, 128, 144	0
4	D	73/77 (94%)	1.01	18 (24%) 0 0	67, 157, 172, 174	0
4	IA	73/77 (94%)	-0.08	0 100 100	52, 84, 91, 100	0
4	IB	73/77 (94%)	1.20	20 (27%) 0 0	79, 164, 182, 186	0
4	NC	73/77 (94%)	-0.15	0 100 100	61, 89, 100, 105	0
5	E	275/275 (100%)	-0.08	1 (0%) 92 84	36, 50, 58, 66	0
5	JB	275/275 (100%)	0.04	6 (2%) 62 41	45, 64, 74, 85	0
6	F	204/206 (99%)	0.10	6 (2%) 51 28	39, 60, 79, 86	0
6	KB	204/206 (99%)	0.22	2 (0%) 82 67	53, 77, 97, 107	0
7	G	202/205 (98%)	0.33	3 (1%) 73 54	34, 59, 78, 86	0
7	LB	202/205 (98%)	0.14	2 (0%) 82 67	50, 78, 91, 101	0
8	H	181/182 (99%)	0.45	19 (10%) 6 2	85, 91, 111, 119	0
8	MB	181/182 (99%)	0.88	30 (16%) 1 1	99, 119, 132, 135	0
9	I	174/180 (96%)	-0.19	1 (0%) 89 78	64, 72, 78, 91	0
9	NB	174/180 (96%)	1.38	50 (28%) 0 0	109, 147, 163, 169	0
10	J	146/148 (98%)	0.25	3 (2%) 63 43	64, 96, 111, 113	0
10	OB	146/148 (98%)	0.78	22 (15%) 2 1	86, 120, 129, 130	0
11	K	140/140 (100%)	-0.26	0 100 100	44, 56, 75, 77	0
11	PB	140/140 (100%)	0.05	3 (2%) 63 43	64, 82, 99, 103	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å^2)	Q<0.9
12	L	122/122 (100%)	-0.30	0 100 100	50, 59, 68, 71	0
12	QB	122/122 (100%)	-0.18	0 100 100	59, 69, 75, 79	0
13	M	150/150 (100%)	0.51	20 (13%) 3 1	36, 64, 87, 90	0
13	RB	150/150 (100%)	0.94	28 (18%) 1 0	50, 79, 105, 107	0
14	N	141/141 (100%)	-0.19	1 (0%) 87 75	48, 59, 72, 80	0
14	SB	141/141 (100%)	0.06	2 (1%) 75 56	63, 82, 97, 103	0
15	O	118/118 (100%)	0.19	0 100 100	47, 60, 73, 78	0
15	TB	118/118 (100%)	0.48	9 (7%) 13 5	62, 76, 83, 87	0
16	P	110/112 (98%)	0.36	9 (8%) 11 4	72, 80, 87, 89	0
16	UB	110/112 (98%)	1.34	35 (31%) 0 0	91, 106, 113, 116	0
17	Q	137/146 (93%)	-0.01	5 (3%) 42 22	59, 68, 119, 142	0
17	VB	137/146 (93%)	0.02	1 (0%) 87 75	69, 79, 108, 117	0
18	R	117/118 (99%)	0.01	0 100 100	39, 52, 63, 67	0
18	WB	117/118 (99%)	0.75	18 (15%) 2 1	55, 77, 90, 93	0
19	S	101/101 (100%)	-0.28	0 100 100	40, 60, 67, 71	0
19	XB	101/101 (100%)	0.02	1 (0%) 82 67	56, 84, 94, 99	0
20	T	112/113 (99%)	-0.20	0 100 100	39, 49, 66, 80	0
20	YB	112/113 (99%)	-0.18	0 100 100	54, 68, 87, 100	0
21	U	95/96 (98%)	-0.02	2 (2%) 63 43	49, 56, 66, 74	0
21	ZB	95/96 (98%)	0.26	6 (6%) 20 8	71, 84, 95, 97	0
22	AC	107/110 (97%)	0.77	19 (17%) 1 0	82, 90, 101, 103	0
22	V	107/110 (97%)	0.25	5 (4%) 31 15	55, 63, 76, 82	0
23	BC	189/206 (91%)	1.11	50 (26%) 0 0	89, 108, 118, 121	0
23	W	189/206 (91%)	0.26	16 (8%) 10 4	65, 83, 93, 96	0
24	CC	84/85 (98%)	0.38	7 (8%) 11 4	72, 78, 89, 93	0
24	X	84/85 (98%)	0.29	7 (8%) 11 4	52, 59, 72, 77	0
25	DC	97/98 (98%)	0.13	0 100 100	56, 73, 108, 115	0
25	Y	97/98 (98%)	0.05	1 (1%) 82 67	43, 56, 88, 95	0
26	EC	70/72 (97%)	1.21	20 (28%) 0 0	88, 95, 103, 107	0
26	Z	70/72 (97%)	0.17	0 100 100	57, 63, 68, 77	0
27	AA	60/60 (100%)	-0.12	1 (1%) 70 49	47, 58, 74, 87	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å^2)	Q<0.9
27	FC	60/60 (100%)	0.04	0 100 100	69, 78, 88, 92	0
28	BA	69/71 (97%)	1.80	29 (42%) 0 0	119, 124, 142, 145	0
28	GC	69/71 (97%)	1.75	28 (40%) 0 0	135, 143, 153, 154	0
29	CA	59/60 (98%)	-0.32	0 100 100	36, 58, 68, 71	0
29	HC	59/60 (98%)	-0.11	0 100 100	53, 77, 85, 87	0
30	DA	53/54 (98%)	0.71	9 (16%) 1 0	61, 66, 69, 70	0
30	IC	53/54 (98%)	1.30	19 (35%) 0 0	74, 82, 85, 87	0
31	EA	48/49 (97%)	0.03	0 100 100	38, 40, 47, 52	0
31	JC	48/49 (97%)	0.07	0 100 100	53, 57, 64, 71	0
32	FA	64/65 (98%)	0.34	2 (3%) 49 26	43, 49, 58, 59	0
32	KC	64/65 (98%)	0.49	11 (17%) 1 0	58, 65, 74, 74	0
33	GA	37/37 (100%)	0.83	3 (8%) 12 5	55, 61, 67, 69	0
33	LC	37/37 (100%)	1.96	20 (54%) 0 0	85, 96, 105, 112	0
34	HA	10/27 (37%)	1.40	4 (40%) 0 0	81, 92, 108, 109	0
34	MC	10/27 (37%)	1.37	3 (30%) 0 0	89, 94, 109, 110	0
35	JA	258/368 (70%)	0.25	22 (8%) 10 4	61, 96, 121, 135	0
35	OC	258/368 (70%)	0.64	39 (15%) 2 1	88, 105, 134, 141	0
36	KA	234/256 (91%)	1.35	66 (28%) 0 0	109, 125, 145, 157	0
36	PC	234/256 (91%)	1.11	52 (22%) 0 0	101, 123, 139, 163	0
37	LA	206/239 (86%)	0.14	3 (1%) 73 54	104, 117, 133, 134	0
37	QC	206/239 (86%)	0.08	2 (0%) 82 67	100, 115, 131, 132	0
38	MA	208/209 (99%)	0.65	27 (12%) 3 1	89, 104, 113, 118	0
38	RC	208/209 (99%)	0.25	10 (4%) 30 14	74, 81, 88, 92	0
39	NA	151/162 (93%)	0.13	0 100 100	82, 95, 103, 111	0
39	SC	151/162 (93%)	-0.00	3 (1%) 65 44	73, 85, 92, 105	0
40	OA	101/101 (100%)	0.02	1 (0%) 82 67	75, 83, 91, 103	0
40	TC	101/101 (100%)	0.25	8 (7%) 12 5	87, 95, 100, 110	0
41	PA	155/156 (99%)	0.28	11 (7%) 16 6	103, 113, 119, 122	0
41	UC	155/156 (99%)	0.34	11 (7%) 16 6	102, 111, 118, 120	0
42	QA	138/138 (100%)	0.30	8 (5%) 23 10	83, 97, 104, 109	0
42	VC	138/138 (100%)	0.16	7 (5%) 28 13	73, 87, 95, 101	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2			OWAB(Å^2)	Q<0.9
43	RA	127/128 (99%)	1.76	39 (30%)	0	0	90, 141, 148, 151	0
43	WC	127/128 (99%)	1.49	36 (28%)	0	0	88, 135, 144, 148	0
44	SA	98/105 (93%)	1.84	35 (35%)	0	0	101, 144, 156, 156	0
44	XC	98/105 (93%)	1.78	29 (29%)	0	0	103, 139, 151, 153	0
45	TA	116/129 (89%)	0.21	5 (4%)	35	17	66, 84, 93, 97	0
45	YC	116/129 (89%)	0.46	11 (9%)	8	2	69, 90, 96, 103	0
46	UA	121/132 (91%)	0.43	7 (5%)	23	10	74, 79, 88, 93	0
46	ZC	121/132 (91%)	0.28	4 (3%)	46	24	67, 73, 80, 84	0
47	AD	117/126 (92%)	1.11	27 (23%)	0	0	98, 137, 141, 143	0
47	VA	117/126 (92%)	0.81	17 (14%)	2	1	94, 125, 130, 131	0
48	BD	60/61 (98%)	0.91	9 (15%)	2	1	108, 116, 133, 134	0
48	WA	60/61 (98%)	0.69	4 (6%)	17	7	110, 119, 127, 128	0
49	CD	88/89 (98%)	0.68	7 (7%)	12	5	70, 86, 94, 96	0
49	XA	88/89 (98%)	0.63	6 (6%)	17	7	66, 85, 94, 96	0
50	DD	83/88 (94%)	1.10	18 (21%)	0	0	73, 80, 94, 111	0
50	YA	83/88 (94%)	1.87	38 (45%)	0	0	96, 109, 126, 143	0
51	ED	99/105 (94%)	0.42	4 (4%)	38	19	69, 81, 87, 90	0
51	ZA	99/105 (94%)	0.17	3 (3%)	50	27	72, 88, 93, 94	0
52	AB	70/88 (79%)	0.56	3 (4%)	35	17	77, 88, 98, 101	0
52	FD	70/88 (79%)	1.06	16 (22%)	0	0	84, 94, 104, 109	0
53	BB	83/93 (89%)	0.95	20 (24%)	0	0	104, 130, 136, 138	0
53	GD	83/93 (89%)	1.59	28 (33%)	0	0	111, 139, 144, 146	0
54	CB	99/106 (93%)	1.70	39 (39%)	0	0	97, 111, 126, 128	0
54	HD	99/106 (93%)	0.95	22 (22%)	0	0	79, 97, 112, 114	0
55	DB	24/27 (88%)	4.16	20 (83%)	0	0	113, 123, 127, 132	0
55	ID	24/27 (88%)	5.34	23 (95%)	0	0	118, 127, 133, 138	0
All	All	21476/22228 (96%)	0.46	1835 (8%)	10	4	34, 82, 143, 256	0

The worst 5 of 1835 RSRZ outliers are listed below:

Mol	Chain	Res	Type	RSRZ
2	GB	2799	A	14.7
1	FB	1001	G	13.7

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Mol	Chain	Res	Type	RSRZ
1	FB	1002	G	13.7
2	GB	1057	A	12.2
2	GB	1084	A	11.8

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

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

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
4	PSU	IB	55	20/21	0.65	0.56	182,183,184,184	0
4	4SU	D	8	20/21	0.66	0.37	163,164,165,165	0
4	4SU	IB	8	20/21	0.69	0.34	169,170,170,170	0
4	PSU	D	55	20/21	0.81	0.41	168,169,171,171	0
4	5MU	IB	54	21/22	0.85	0.50	180,181,182,183	0
4	5MC	IB	32	21/22	0.86	0.22	147,147,148,148	0
46	0TD	UA	92	10/11	0.88	0.41	81,81,81,81	0
4	5MU	D	54	21/22	0.89	0.38	167,167,169,169	0
34	PSU	HA	19	20/21	0.89	0.22	87,87,88,88	0
1	PSU	FB	516	20/21	0.90	0.20	83,84,87,87	0
4	5MC	D	32	21/22	0.90	0.17	139,139,139,139	0
1	PSU	A	516	20/21	0.91	0.20	90,92,95,95	0
4	PSU	IA	55	20/21	0.91	0.19	87,88,90,90	0
1	2MG	A	1207	24/25	0.91	0.17	107,110,114,115	0
1	4OC	A	1402	22/23	0.91	0.26	72,73,75,75	0
1	2MG	FB	1207	24/25	0.91	0.19	108,110,113,114	0
4	5MU	NC	54	21/22	0.92	0.27	97,98,100,100	0
34	PSU	MC	19	20/21	0.92	0.16	91,91,91,91	0
1	5MC	A	1407	21/22	0.93	0.22	64,65,67,68	0
2	5MU	B	1915	21/22	0.93	0.16	75,77,79,79	0
1	7MG	A	527	24/25	0.93	0.24	79,81,83,84	0
1	7MG	FB	527	24/25	0.93	0.21	74,75,76,77	0
1	5MC	FB	967	21/22	0.93	0.27	88,89,91,92	0
4	PSU	NC	55	20/21	0.93	0.18	97,98,99,99	0
46	0TD	ZC	92	10/11	0.93	0.46	77,78,78,78	0
4	4SU	IA	8	20/21	0.93	0.18	84,86,86,87	0
2	2MA	GB	2503	23/24	0.93	0.28	51,52,53,53	0
1	M2G	FB	966	25/26	0.94	0.26	86,88,90,91	0
1	5MC	A	1400	21/22	0.94	0.20	80,82,85,86	0
4	5MC	IA	32	21/22	0.94	0.18	84,84,85,85	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
1	5MC	A	1404	21/22	0.94	0.22	64,66,67,67	0
4	5MC	NC	32	21/22	0.94	0.20	85,86,86,86	0
1	M2G	A	966	25/26	0.95	0.25	88,90,91,92	0
2	4OC	B	1920	21/23	0.95	0.23	61,63,64,65	0
2	PSU	B	1911	20/21	0.95	0.22	63,65,67,67	0
1	4OC	FB	1402	22/23	0.95	0.21	73,74,75,75	0
1	5MC	FB	1407	21/22	0.95	0.21	69,70,71,71	0
2	PSU	GB	1911	20/21	0.95	0.21	72,75,76,77	0
2	5MU	GB	1915	21/22	0.95	0.12	88,89,91,92	0
2	PSU	GB	1917	20/21	0.95	0.17	77,79,81,82	0
2	4OC	GB	1920	21/23	0.95	0.23	70,72,73,74	0
2	5MC	GB	1942	21/22	0.95	0.18	59,60,61,62	0
2	5MC	GB	1962	21/22	0.95	0.20	58,59,60,61	0
2	2MU	GB	2552	21/23	0.96	0.21	56,57,58,58	0
2	PSU	GB	2605	20/21	0.96	0.20	51,52,52,53	0
1	UR3	FB	1498	21/22	0.96	0.28	70,70,71,71	0
1	MA6	FB	1519	24/25	0.96	0.22	63,65,66,66	0
2	OMG	B	2251	24/25	0.96	0.24	44,44,45,45	0
2	PSU	B	1917	20/21	0.96	0.18	64,66,68,69	0
4	4SU	NC	8	20/21	0.96	0.12	89,91,92,92	0
4	5MU	IA	54	21/22	0.96	0.27	86,88,90,90	0
1	5MC	A	967	21/22	0.96	0.20	90,91,93,93	0
2	5MU	B	1939	21/22	0.96	0.32	44,45,46,46	0
1	5MC	FB	1404	21/22	0.96	0.25	65,66,66,66	0
2	OMG	GB	2251	24/25	0.96	0.22	57,58,60,60	0
2	5MC	B	1942	21/22	0.96	0.19	49,50,51,51	0
2	5MU	GB	1939	21/22	0.97	0.29	53,54,54,55	0
2	2MA	B	2503	23/24	0.97	0.27	37,38,38,38	0
2	PSU	B	2605	20/21	0.97	0.22	41,42,43,43	0
1	MA6	FB	1518	24/25	0.97	0.21	63,64,66,66	0
1	MA6	A	1518	24/25	0.97	0.26	59,62,63,63	0
1	MA6	A	1519	24/25	0.97	0.26	60,63,64,64	0
1	5MC	FB	1400	21/22	0.97	0.19	78,80,82,83	0
2	5MC	B	1962	21/22	0.97	0.20	50,52,53,54	0
1	UR3	A	1498	21/22	0.97	0.21	67,68,69,69	0
2	2MU	B	2552	21/23	0.98	0.25	45,46,47,47	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, 95^{th} percentile and maximum values of B factors of atoms in the group. The column labelled 'Q< 0.9' lists the number of atoms with occupancy less than 0.9.

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	GB	3209	1/1	-0.25	0.50	133,133,133,133	0
56	MG	GB	3517	1/1	-0.20	0.26	219,219,219,219	0
56	MG	B	3791	1/1	-0.07	0.44	139,139,139,139	0
56	MG	GB	3663	1/1	-0.07	0.26	206,206,206,206	0
56	MG	GD	101	1/1	-0.02	0.56	99,99,99,99	0
56	MG	B	3349	1/1	-0.01	0.34	132,132,132,132	0
56	MG	B	3493	1/1	0.04	0.36	182,182,182,182	0
56	MG	B	3795	1/1	0.06	0.66	151,151,151,151	0
56	MG	B	3496	1/1	0.09	0.22	167,167,167,167	0
56	MG	A	1875	1/1	0.10	1.32	126,126,126,126	0
56	MG	HB	208	1/1	0.14	0.32	126,126,126,126	0
56	MG	GB	3139	1/1	0.14	0.35	125,125,125,125	0
56	MG	A	1816	1/1	0.15	0.20	108,108,108,108	0
56	MG	B	3515	1/1	0.15	0.21	167,167,167,167	0
56	MG	GB	3449	1/1	0.16	0.21	197,197,197,197	0
56	MG	QA	202	1/1	0.17	0.60	100,100,100,100	0
56	MG	FB	1861	1/1	0.18	0.59	119,119,119,119	0
56	MG	A	1731	1/1	0.19	0.41	134,134,134,134	0
56	MG	GB	3193	1/1	0.19	0.34	141,141,141,141	0
56	MG	GB	3476	1/1	0.20	0.58	130,130,130,130	0
56	MG	B	3834	1/1	0.21	2.11	165,165,165,165	0
56	MG	A	1690	1/1	0.21	0.21	94,94,94,94	0
56	MG	B	3629	1/1	0.21	0.21	125,125,125,125	0
56	MG	GB	3465	1/1	0.22	0.26	114,114,114,114	0
56	MG	FB	1871	1/1	0.23	0.91	114,114,114,114	0
56	MG	GB	3531	1/1	0.24	0.18	106,106,106,106	0
56	MG	A	1804	1/1	0.24	0.35	136,136,136,136	0
56	MG	GB	3705	1/1	0.25	0.18	104,104,104,104	0
56	MG	FB	1896	1/1	0.26	0.32	82,82,82,82	0
56	MG	B	3389	1/1	0.27	0.33	124,124,124,124	0
56	MG	FB	1870	1/1	0.28	0.22	127,127,127,127	0
56	MG	OC	402	1/1	0.29	0.38	110,110,110,110	0
56	MG	GB	3230	1/1	0.29	0.22	110,110,110,110	0
56	MG	GB	3452	1/1	0.30	0.68	74,74,74,74	0
56	MG	B	3634	1/1	0.30	0.19	106,106,106,106	0
56	MG	A	1696	1/1	0.31	1.47	157,157,157,157	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	GB	3607	1/1	0.33	0.38	111,111,111,111	0
56	MG	B	3707	1/1	0.34	0.51	113,113,113,113	0
56	MG	B	3411	1/1	0.35	0.36	78,78,78,78	0
56	MG	SC	202	1/1	0.35	0.41	92,92,92,92	0
56	MG	B	3721	1/1	0.35	0.77	147,147,147,147	0
56	MG	B	3445	1/1	0.37	0.24	116,116,116,116	0
56	MG	B	3782	1/1	0.38	0.22	175,175,175,175	0
56	MG	BA	104	1/1	0.38	0.28	105,105,105,105	0
56	MG	B	3413	1/1	0.38	0.77	140,140,140,140	0
56	MG	B	3667	1/1	0.38	0.22	145,145,145,145	0
56	MG	A	1870	1/1	0.39	0.19	123,123,123,123	0
56	MG	HB	203	1/1	0.39	0.30	101,101,101,101	0
56	MG	B	3677	1/1	0.40	0.23	149,149,149,149	0
56	MG	HB	215	1/1	0.41	0.19	109,109,109,109	0
56	MG	GB	3441	1/1	0.41	0.33	155,155,155,155	0
56	MG	B	3166	1/1	0.41	0.25	93,93,93,93	0
56	MG	GB	3207	1/1	0.41	0.33	126,126,126,126	0
56	MG	FB	1753	1/1	0.42	0.83	92,92,92,92	0
56	MG	B	3434	1/1	0.42	0.26	75,75,75,75	0
56	MG	GB	2943	1/1	0.43	0.51	92,92,92,92	0
56	MG	B	3593	1/1	0.43	0.45	78,78,78,78	0
56	MG	A	1864	1/1	0.43	0.26	138,138,138,138	0
56	MG	GB	3339	1/1	0.43	0.47	67,67,67,67	0
56	MG	A	1785	1/1	0.44	0.26	107,107,107,107	0
56	MG	A	1760	1/1	0.44	0.24	136,136,136,136	0
56	MG	FB	1805	1/1	0.44	0.61	74,74,74,74	0
56	MG	MB	204	1/1	0.45	0.25	115,115,115,115	0
56	MG	B	3532	1/1	0.45	0.24	95,95,95,95	0
56	MG	GB	3528	1/1	0.45	0.79	79,79,79,79	0
56	MG	GB	3462	1/1	0.45	0.80	101,101,101,101	0
56	MG	PC	303	1/1	0.46	0.18	133,133,133,133	0
56	MG	B	3369	1/1	0.46	0.14	69,69,69,69	0
56	MG	FB	1943	1/1	0.46	0.66	105,105,105,105	0
56	MG	GB	3585	1/1	0.47	0.17	158,158,158,158	0
56	MG	A	1801	1/1	0.47	0.24	97,97,97,97	0
56	MG	FB	1939	1/1	0.47	2.09	98,98,98,98	0
56	MG	GB	3360	1/1	0.47	0.23	84,84,84,84	0
56	MG	FB	1616	1/1	0.48	0.15	87,87,87,87	0
56	MG	GB	3293	1/1	0.48	0.18	190,190,190,190	0
56	MG	FB	1868	1/1	0.48	1.02	87,87,87,87	0
56	MG	MB	205	1/1	0.48	0.47	122,122,122,122	0
56	MG	TA	201	1/1	0.49	0.26	92,92,92,92	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	MB	203	1/1	0.49	0.31	116,116,116,116	0
56	MG	A	1780	1/1	0.49	0.58	83,83,83,83	0
56	MG	GB	3117	1/1	0.49	0.36	82,82,82,82	0
56	MG	GC	103	1/1	0.49	0.16	135,135,135,135	0
56	MG	B	3753	1/1	0.49	2.07	75,75,75,75	0
56	MG	PC	302	1/1	0.49	0.25	104,104,104,104	0
56	MG	A	1792	1/1	0.49	0.45	132,132,132,132	0
56	MG	GB	3419	1/1	0.49	0.28	74,74,74,74	0
56	MG	B	3554	1/1	0.49	0.29	60,60,60,60	0
56	MG	FB	1712	1/1	0.50	0.52	78,78,78,78	0
56	MG	JA	412	1/1	0.50	0.16	107,107,107,107	0
56	MG	HB	226	1/1	0.50	0.37	105,105,105,105	0
56	MG	SC	206	1/1	0.50	0.18	93,93,93,93	0
56	MG	FB	1899	1/1	0.50	0.26	86,86,86,86	0
56	MG	GB	3383	1/1	0.51	0.42	191,191,191,191	0
56	MG	ZB	101	1/1	0.51	0.39	78,78,78,78	0
56	MG	FB	1878	1/1	0.51	0.49	75,75,75,75	0
56	MG	GB	3220	1/1	0.51	0.32	121,121,121,121	0
56	MG	OC	407	1/1	0.51	0.24	109,109,109,109	0
56	MG	A	1710	1/1	0.51	0.89	135,135,135,135	0
56	MG	HB	217	1/1	0.51	0.16	111,111,111,111	0
56	MG	PC	304	1/1	0.51	0.27	135,135,135,135	0
56	MG	A	1613	1/1	0.51	0.45	79,79,79,79	0
56	MG	B	3648	1/1	0.51	0.53	146,146,146,146	0
56	MG	A	1812	1/1	0.51	0.32	128,128,128,128	0
56	MG	A	1697	1/1	0.52	0.87	78,78,78,78	0
56	MG	GB	3361	1/1	0.52	0.89	91,91,91,91	0
56	MG	FB	1634	1/1	0.52	0.20	80,80,80,80	0
56	MG	GB	3338	1/1	0.52	0.26	71,71,71,71	0
56	MG	UC	201	1/1	0.52	0.39	105,105,105,105	0
56	MG	B	3503	1/1	0.52	0.17	77,77,77,77	0
56	MG	GB	3401	1/1	0.53	0.29	68,68,68,68	0
56	MG	GB	3190	1/1	0.53	0.42	71,71,71,71	0
56	MG	HB	204	1/1	0.53	0.32	91,91,91,91	0
56	MG	GB	3588	1/1	0.54	0.51	69,69,69,69	0
56	MG	C	212	1/1	0.54	0.28	62,62,62,62	0
56	MG	GB	3630	1/1	0.54	1.21	75,75,75,75	0
56	MG	BC	302	1/1	0.54	0.13	109,109,109,109	0
56	MG	FB	1786	1/1	0.54	0.23	119,119,119,119	0
56	MG	GB	3571	1/1	0.54	0.37	66,66,66,66	0
56	MG	A	1727	1/1	0.54	0.70	92,92,92,92	0
56	MG	GB	3109	1/1	0.55	0.35	63,63,63,63	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	GB	3642	1/1	0.55	0.72	76,76,76,76	0
56	MG	FB	1919	1/1	0.55	0.71	126,126,126,126	0
56	MG	GB	3544	1/1	0.55	0.44	70,70,70,70	0
56	MG	IA	108	1/1	0.55	0.42	82,82,82,82	0
56	MG	RC	308	1/1	0.55	0.41	83,83,83,83	0
56	MG	JA	404	1/1	0.55	0.36	83,83,83,83	0
56	MG	B	3606	1/1	0.55	0.79	125,125,125,125	0
56	MG	BC	306	1/1	0.55	0.39	108,108,108,108	0
56	MG	XC	201	1/1	0.55	0.52	112,112,112,112	0
56	MG	GB	3048	1/1	0.55	0.30	64,64,64,64	0
56	MG	B	3824	1/1	0.56	0.41	68,68,68,68	0
56	MG	A	1802	1/1	0.56	0.27	73,73,73,73	0
56	MG	GB	3555	1/1	0.56	0.51	72,72,72,72	0
56	MG	IA	114	1/1	0.56	0.29	71,71,71,71	0
56	MG	GB	3510	1/1	0.56	0.20	73,73,73,73	0
56	MG	A	1685	1/1	0.56	0.60	76,76,76,76	0
56	MG	C	240	1/1	0.56	0.19	75,75,75,75	0
56	MG	GB	3330	1/1	0.57	0.24	79,79,79,79	0
56	MG	C	233	1/1	0.57	0.20	84,84,84,84	0
56	MG	GB	3606	1/1	0.57	0.59	75,75,75,75	0
56	MG	FB	1907	1/1	0.57	0.32	115,115,115,115	0
56	MG	FB	1910	1/1	0.57	0.52	78,78,78,78	0
56	MG	WA	101	1/1	0.57	0.65	109,109,109,109	0
56	MG	B	3499	1/1	0.57	0.82	48,48,48,48	0
56	MG	FB	1780	1/1	0.57	0.75	85,85,85,85	0
56	MG	GB	3586	1/1	0.58	0.39	187,187,187,187	0
56	MG	FB	1906	1/1	0.58	0.33	136,136,136,136	0
56	MG	IB	104	1/1	0.58	0.28	163,163,163,163	0
56	MG	FB	1717	1/1	0.58	0.30	74,74,74,74	0
56	MG	B	3358	1/1	0.58	0.39	96,96,96,96	0
56	MG	B	3567	1/1	0.58	0.30	106,106,106,106	0
56	MG	XA	101	1/1	0.58	0.29	86,86,86,86	0
56	MG	NC	112	1/1	0.59	0.31	76,76,76,76	0
56	MG	FB	1911	1/1	0.59	0.51	110,110,110,110	0
56	MG	GB	3599	1/1	0.59	0.23	101,101,101,101	0
56	MG	GB	3219	1/1	0.59	0.21	85,85,85,85	0
56	MG	FB	1915	1/1	0.59	0.43	87,87,87,87	0
56	MG	FB	1918	1/1	0.59	0.31	92,92,92,92	0
56	MG	GB	3238	1/1	0.59	0.38	76,76,76,76	0
56	MG	A	1798	1/1	0.59	0.54	70,70,70,70	0
56	MG	FB	1690	1/1	0.59	0.44	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	FB	1767	1/1	0.59	0.48	121,121,121,121	0
56	MG	RA	202	1/1	0.59	0.48	117,117,117,117	0
56	MG	GB	3347	1/1	0.59	0.59	66,66,66,66	0
56	MG	FB	1702	1/1	0.60	0.22	81,81,81,81	0
56	MG	GB	3411	1/1	0.60	0.43	67,67,67,67	0
56	MG	B	3790	1/1	0.60	1.02	62,62,62,62	0
56	MG	PA	201	1/1	0.60	0.25	99,99,99,99	0
56	MG	A	1852	1/1	0.60	0.70	96,96,96,96	0
56	MG	QC	303	1/1	0.60	0.56	120,120,120,120	0
56	MG	GB	3696	1/1	0.60	0.47	72,72,72,72	0
56	MG	A	1634	1/1	0.60	0.47	72,72,72,72	0
56	MG	GB	3169	1/1	0.60	0.38	54,54,54,54	0
56	MG	JA	411	1/1	0.60	0.28	100,100,100,100	0
56	MG	GB	3270	1/1	0.60	0.24	97,97,97,97	0
56	MG	GB	3395	1/1	0.60	1.18	81,81,81,81	0
56	MG	BA	102	1/1	0.61	0.25	83,83,83,83	0
56	MG	A	1678	1/1	0.61	0.48	97,97,97,97	0
56	MG	HB	219	1/1	0.61	0.75	94,94,94,94	0
56	MG	FB	1704	1/1	0.61	0.76	93,93,93,93	0
56	MG	FB	1929	1/1	0.61	0.17	94,94,94,94	0
56	MG	GB	3188	1/1	0.61	0.35	179,179,179,179	0
56	MG	QC	301	1/1	0.61	0.91	97,97,97,97	0
56	MG	GB	3298	1/1	0.61	0.33	80,80,80,80	0
56	MG	B	3235	1/1	0.61	0.43	72,72,72,72	0
56	MG	B	3627	1/1	0.61	0.56	56,56,56,56	0
56	MG	A	1717	1/1	0.61	0.68	86,86,86,86	0
56	MG	BC	303	1/1	0.61	0.31	106,106,106,106	0
56	MG	FB	1643	1/1	0.61	0.70	94,94,94,94	0
56	MG	GB	3086	1/1	0.61	0.11	107,107,107,107	0
56	MG	B	3668	1/1	0.62	0.27	63,63,63,63	0
56	MG	A	1700	1/1	0.62	0.33	82,82,82,82	0
56	MG	GB	3278	1/1	0.62	0.43	75,75,75,75	0
56	MG	GB	3162	1/1	0.62	0.30	101,101,101,101	0
56	MG	A	1813	1/1	0.62	0.34	89,89,89,89	0
56	MG	KA	301	1/1	0.62	0.23	118,118,118,118	0
56	MG	MA	304	1/1	0.62	0.22	96,96,96,96	0
56	MG	FB	1686	1/1	0.63	0.55	124,124,124,124	0
56	MG	B	3438	1/1	0.63	0.36	63,63,63,63	0
56	MG	VB	201	1/1	0.63	0.23	74,74,74,74	0
56	MG	GB	3385	1/1	0.63	0.72	98,98,98,98	0
56	MG	B	3247	1/1	0.63	0.38	62,62,62,62	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	GB	3323	1/1	0.63	0.57	71,71,71,71	0
56	MG	B	3823	1/1	0.63	0.28	92,92,92,92	0
56	MG	A	1702	1/1	0.63	0.14	147,147,147,147	0
56	MG	FB	1862	1/1	0.63	0.48	118,118,118,118	0
56	MG	H	203	1/1	0.63	0.43	89,89,89,89	0
56	MG	J	202	1/1	0.63	0.26	79,79,79,79	0
56	MG	GB	3638	1/1	0.64	0.51	66,66,66,66	0
56	MG	GB	3489	1/1	0.64	0.26	65,65,65,65	0
56	MG	GB	3655	1/1	0.64	0.40	59,59,59,59	0
56	MG	A	1845	1/1	0.64	0.23	107,107,107,107	0
56	MG	A	1688	1/1	0.64	0.42	82,82,82,82	0
56	MG	GB	3524	1/1	0.64	0.23	83,83,83,83	0
56	MG	A	1859	1/1	0.64	0.38	90,90,90,90	0
56	MG	B	3521	1/1	0.64	0.19	73,73,73,73	0
56	MG	B	3746	1/1	0.64	0.16	68,68,68,68	0
56	MG	SA	201	1/1	0.64	0.43	120,120,120,120	0
56	MG	GB	3423	1/1	0.64	0.32	75,75,75,75	0
56	MG	A	1789	1/1	0.64	0.22	87,87,87,87	0
56	MG	UA	202	1/1	0.64	0.27	79,79,79,79	0
56	MG	C	219	1/1	0.64	0.32	81,81,81,81	0
56	MG	JB	304	1/1	0.64	0.46	76,76,76,76	0
56	MG	SC	204	1/1	0.64	0.28	81,81,81,81	0
56	MG	GB	3459	1/1	0.64	0.16	140,140,140,140	0
56	MG	B	3401	1/1	0.64	0.35	46,46,46,46	0
56	MG	FB	1770	1/1	0.64	0.61	93,93,93,93	0
56	MG	A	1868	1/1	0.64	0.82	71,71,71,71	0
56	MG	GB	3229	1/1	0.65	0.40	120,120,120,120	0
56	MG	FB	1755	1/1	0.65	0.64	70,70,70,70	0
56	MG	GB	3493	1/1	0.65	0.75	62,62,62,62	0
56	MG	GB	3603	1/1	0.65	0.13	101,101,101,101	0
56	MG	B	3674	1/1	0.65	0.20	131,131,131,131	0
56	MG	HB	221	1/1	0.65	0.30	114,114,114,114	0
56	MG	GB	3440	1/1	0.65	0.59	80,80,80,80	0
56	MG	GB	3612	1/1	0.65	0.79	71,71,71,71	0
56	MG	FB	1613	1/1	0.65	0.46	80,80,80,80	0
56	MG	B	3351	1/1	0.65	0.19	77,77,77,77	0
56	MG	B	3685	1/1	0.65	0.59	117,117,117,117	0
56	MG	FB	1792	1/1	0.65	0.42	165,165,165,165	0
56	MG	UB	201	1/1	0.65	0.30	99,99,99,99	0
56	MG	VA	203	1/1	0.65	0.49	102,102,102,102	0
56	MG	B	3433	1/1	0.65	0.19	101,101,101,101	0
56	MG	GB	3579	1/1	0.65	0.34	65,65,65,65	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	GB	3467	1/1	0.65	0.17	120,120,120,120	0
56	MG	QB	202	1/1	0.66	0.33	66,66,66,66	0
56	MG	A	1704	1/1	0.66	0.18	65,65,65,65	0
56	MG	KA	304	1/1	0.66	0.42	109,109,109,109	0
56	MG	YB	207	1/1	0.66	0.72	79,79,79,79	0
56	MG	MA	303	1/1	0.66	0.16	101,101,101,101	0
56	MG	GB	3472	1/1	0.66	0.41	189,189,189,189	0
56	MG	A	1615	1/1	0.66	0.31	89,89,89,89	0
56	MG	MA	305	1/1	0.66	0.27	103,103,103,103	0
56	MG	A	1747	1/1	0.66	0.83	104,104,104,104	0
56	MG	B	3079	1/1	0.66	0.32	48,48,48,48	0
56	MG	A	1675	1/1	0.66	0.42	74,74,74,74	0
56	MG	GB	3376	1/1	0.66	0.23	90,90,90,90	0
56	MG	FB	1741	1/1	0.66	0.68	127,127,127,127	0
56	MG	B	3669	1/1	0.66	0.47	146,146,146,146	0
56	MG	B	3463	1/1	0.66	0.17	65,65,65,65	0
56	MG	B	3188	1/1	0.66	0.30	74,74,74,74	0
56	MG	B	3211	1/1	0.66	0.21	65,65,65,65	0
56	MG	IA	117	1/1	0.66	0.23	81,81,81,81	0
56	MG	B	3695	1/1	0.66	0.81	71,71,71,71	0
56	MG	A	1764	1/1	0.66	0.17	85,85,85,85	0
56	MG	C	213	1/1	0.66	0.28	72,72,72,72	0
56	MG	FB	1822	1/1	0.66	0.23	73,73,73,73	0
56	MG	FB	1857	1/1	0.66	0.47	82,82,82,82	0
56	MG	GB	3038	1/1	0.66	0.18	71,71,71,71	0
56	MG	GB	3101	1/1	0.67	0.61	115,115,115,115	0
56	MG	GB	3243	1/1	0.67	0.11	93,93,93,93	0
56	MG	HB	227	1/1	0.67	0.17	99,99,99,99	0
56	MG	A	1797	1/1	0.67	0.20	90,90,90,90	0
56	MG	GB	3563	1/1	0.67	0.41	72,72,72,72	0
56	MG	GB	3430	1/1	0.67	0.28	75,75,75,75	0
56	MG	GB	3488	1/1	0.67	0.38	78,78,78,78	0
56	MG	GB	3666	1/1	0.67	0.14	125,125,125,125	0
56	MG	A	1713	1/1	0.67	0.75	88,88,88,88	0
56	MG	GB	3136	1/1	0.67	0.36	71,71,71,71	0
56	MG	RC	310	1/1	0.67	0.22	83,83,83,83	0
56	MG	GB	3504	1/1	0.67	0.16	195,195,195,195	0
56	MG	GB	3590	1/1	0.67	0.24	76,76,76,76	0
56	MG	FB	1637	1/1	0.67	0.18	64,64,64,64	0
56	MG	FB	1888	1/1	0.67	0.49	82,82,82,82	0
56	MG	GB	3064	1/1	0.67	0.31	72,72,72,72	0
56	MG	B	3527	1/1	0.67	0.82	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	GB	2940	1/1	0.68	0.44	79,79,79,79	0
56	MG	B	3310	1/1	0.68	0.28	56,56,56,56	0
56	MG	GB	2944	1/1	0.68	0.23	90,90,90,90	0
56	MG	GB	3001	1/1	0.68	0.37	111,111,111,111	0
56	MG	A	1803	1/1	0.68	0.40	103,103,103,103	0
56	MG	OC	401	1/1	0.68	0.20	68,68,68,68	0
56	MG	B	3120	1/1	0.68	0.55	56,56,56,56	0
56	MG	NA	201	1/1	0.68	0.51	100,100,100,100	0
56	MG	GB	3598	1/1	0.68	0.59	78,78,78,78	0
56	MG	A	1843	1/1	0.68	0.46	89,89,89,89	0
56	MG	GB	3394	1/1	0.68	0.32	77,77,77,77	0
56	MG	A	1874	1/1	0.68	0.45	126,126,126,126	0
56	MG	A	1715	1/1	0.68	0.29	102,102,102,102	0
56	MG	A	1882	1/1	0.68	0.27	104,104,104,104	0
56	MG	FB	1685	1/1	0.68	0.28	61,61,61,61	0
56	MG	W	304	1/1	0.68	0.25	82,82,82,82	0
56	MG	FB	1885	1/1	0.68	0.48	115,115,115,115	0
56	MG	FB	1941	1/1	0.68	0.37	89,89,89,89	0
56	MG	GB	3324	1/1	0.68	0.29	105,105,105,105	0
56	MG	GB	3548	1/1	0.68	0.57	68,68,68,68	0
56	MG	AD	201	1/1	0.68	0.12	80,80,80,80	0
56	MG	B	2995	1/1	0.68	0.26	49,49,49,49	0
56	MG	VB	202	1/1	0.69	0.36	80,80,80,80	0
56	MG	WB	203	1/1	0.69	0.10	87,87,87,87	0
56	MG	W	308	1/1	0.69	0.24	73,73,73,73	0
56	MG	FB	1785	1/1	0.69	0.12	87,87,87,87	0
56	MG	GB	3675	1/1	0.69	0.19	134,134,134,134	0
56	MG	GB	3688	1/1	0.69	0.53	74,74,74,74	0
56	MG	GB	3167	1/1	0.69	0.23	82,82,82,82	0
56	MG	GB	3699	1/1	0.69	0.33	57,57,57,57	0
56	MG	C	218	1/1	0.69	0.37	66,66,66,66	0
56	MG	B	3596	1/1	0.69	0.44	55,55,55,55	0
56	MG	B	3747	1/1	0.69	0.25	74,74,74,74	0
56	MG	B	3590	1/1	0.69	0.14	95,95,95,95	0
56	MG	FB	1824	1/1	0.69	0.60	70,70,70,70	0
56	MG	E	310	1/1	0.69	0.24	57,57,57,57	0
56	MG	B	3615	1/1	0.69	0.23	159,159,159,159	0
56	MG	PC	305	1/1	0.69	0.33	96,96,96,96	0
56	MG	GB	3597	1/1	0.69	0.18	80,80,80,80	0
56	MG	GB	3487	1/1	0.69	0.23	79,79,79,79	0
56	MG	FB	1635	1/1	0.69	0.46	78,78,78,78	0
56	MG	GB	3227	1/1	0.69	0.11	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	FB	1917	1/1	0.69	0.57	110,110,110,110	0
56	MG	GB	3097	1/1	0.69	0.41	57,57,57,57	0
56	MG	SC	205	1/1	0.69	0.14	99,99,99,99	0
56	MG	B	3708	1/1	0.69	0.13	71,71,71,71	0
56	MG	W	303	1/1	0.69	0.13	87,87,87,87	0
56	MG	FB	1923	1/1	0.69	0.25	67,67,67,67	0
56	MG	GB	3119	1/1	0.69	0.29	59,59,59,59	0
56	MG	CD	102	1/1	0.69	0.19	75,75,75,75	0
56	MG	B	3405	1/1	0.69	0.14	124,124,124,124	0
56	MG	B	3485	1/1	0.70	0.12	117,117,117,117	0
56	MG	GB	3380	1/1	0.70	0.36	57,57,57,57	0
56	MG	GB	3217	1/1	0.70	0.55	65,65,65,65	0
56	MG	F	302	1/1	0.70	0.28	79,79,79,79	0
56	MG	GB	3393	1/1	0.70	0.20	192,192,192,192	0
56	MG	FB	1638	1/1	0.70	0.42	60,60,60,60	0
56	MG	GB	3222	1/1	0.70	0.35	60,60,60,60	0
56	MG	LA	302	1/1	0.70	0.21	119,119,119,119	0
56	MG	A	1851	1/1	0.70	0.35	117,117,117,117	0
56	MG	FB	1874	1/1	0.70	0.42	69,69,69,69	0
56	MG	B	3023	1/1	0.70	0.41	75,75,75,75	0
56	MG	R	201	1/1	0.70	0.43	54,54,54,54	0
56	MG	B	3426	1/1	0.70	0.84	57,57,57,57	0
56	MG	ZA	202	1/1	0.70	0.20	87,87,87,87	0
56	MG	HB	211	1/1	0.70	0.67	87,87,87,87	0
56	MG	NA	203	1/1	0.70	0.38	98,98,98,98	0
56	MG	B	3546	1/1	0.70	0.57	47,47,47,47	0
56	MG	FB	1835	1/1	0.70	0.23	104,104,104,104	0
56	MG	GB	2967	1/1	0.70	0.57	61,61,61,61	0
56	MG	GB	3595	1/1	0.70	0.84	74,74,74,74	0
56	MG	GB	3170	1/1	0.70	0.28	77,77,77,77	0
56	MG	GB	3186	1/1	0.70	0.27	63,63,63,63	0
56	MG	B	3060	1/1	0.70	0.21	53,53,53,53	0
56	MG	KB	302	1/1	0.70	0.11	75,75,75,75	0
56	MG	MB	202	1/1	0.70	0.47	110,110,110,110	0
56	MG	GB	3474	1/1	0.70	0.44	69,69,69,69	0
56	MG	GB	3004	1/1	0.70	0.49	60,60,60,60	0
56	MG	GB	3006	1/1	0.70	0.19	83,83,83,83	0
56	MG	GB	3020	1/1	0.70	0.38	60,60,60,60	0
56	MG	GB	3626	1/1	0.70	1.14	81,81,81,81	0
56	MG	BA	103	1/1	0.71	0.33	107,107,107,107	0
56	MG	B	3090	1/1	0.71	0.25	53,53,53,53	0
56	MG	FB	1820	1/1	0.71	0.21	85,85,85,85	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	FB	1821	1/1	0.71	0.12	135,135,135,135	0
56	MG	B	3317	1/1	0.71	0.32	55,55,55,55	0
56	MG	C	236	1/1	0.71	0.18	77,77,77,77	0
56	MG	GB	3562	1/1	0.71	0.13	57,57,57,57	0
56	MG	A	1609	1/1	0.71	0.35	55,55,55,55	0
56	MG	GB	3265	1/1	0.71	0.16	100,100,100,100	0
56	MG	GB	3576	1/1	0.71	0.20	70,70,70,70	0
56	MG	FB	1696	1/1	0.71	0.32	85,85,85,85	0
56	MG	GB	3123	1/1	0.71	0.21	62,62,62,62	0
56	MG	GB	3125	1/1	0.71	0.30	62,62,62,62	0
56	MG	B	3134	1/1	0.71	0.39	56,56,56,56	0
56	MG	A	1733	1/1	0.71	0.12	100,100,100,100	0
56	MG	GB	3594	1/1	0.71	0.26	68,68,68,68	0
56	MG	VA	202	1/1	0.71	0.52	100,100,100,100	0
56	MG	F	315	1/1	0.71	0.16	67,67,67,67	0
56	MG	B	3818	1/1	0.71	0.96	177,177,177,177	0
56	MG	A	1738	1/1	0.71	0.44	86,86,86,86	0
56	MG	JB	305	1/1	0.71	0.33	76,76,76,76	0
56	MG	B	3374	1/1	0.71	0.26	61,61,61,61	0
56	MG	GB	2958	1/1	0.71	0.80	65,65,65,65	0
56	MG	A	1695	1/1	0.71	0.29	71,71,71,71	0
56	MG	FB	1887	1/1	0.71	0.28	65,65,65,65	0
56	MG	A	1849	1/1	0.71	0.52	88,88,88,88	0
56	MG	B	3664	1/1	0.71	0.37	54,54,54,54	0
56	MG	A	1799	1/1	0.71	0.49	118,118,118,118	0
56	MG	NA	202	1/1	0.71	0.21	101,101,101,101	0
56	MG	FB	1641	1/1	0.72	0.70	61,61,61,61	0
56	MG	FB	1752	1/1	0.72	0.55	96,96,96,96	0
56	MG	GB	3345	1/1	0.72	0.36	68,68,68,68	0
56	MG	VB	203	1/1	0.72	0.27	79,79,79,79	0
56	MG	A	1725	1/1	0.72	0.20	114,114,114,114	0
56	MG	FB	1669	1/1	0.72	0.15	67,67,67,67	0
56	MG	GB	3700	1/1	0.72	0.46	61,61,61,61	0
56	MG	GB	3701	1/1	0.72	0.65	70,70,70,70	0
56	MG	FB	1679	1/1	0.72	0.67	81,81,81,81	0
56	MG	HB	202	1/1	0.72	0.26	79,79,79,79	0
56	MG	GB	2970	1/1	0.72	0.18	52,52,52,52	0
56	MG	GB	2991	1/1	0.72	0.62	63,63,63,63	0
56	MG	GB	3483	1/1	0.72	0.16	78,78,78,78	0
56	MG	B	3328	1/1	0.72	0.17	72,72,72,72	0
56	MG	OC	403	1/1	0.72	0.32	112,112,112,112	0
56	MG	OC	404	1/1	0.72	0.34	97,97,97,97	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	A	1671	1/1	0.72	0.73	94,94,94,94	0
56	MG	B	3701	1/1	0.72	0.17	115,115,115,115	0
56	MG	A	1788	1/1	0.72	0.52	76,76,76,76	0
56	MG	A	1768	1/1	0.72	0.56	84,84,84,84	0
56	MG	GB	3283	1/1	0.72	0.13	73,73,73,73	0
56	MG	C	225	1/1	0.72	0.23	83,83,83,83	0
56	MG	IB	103	1/1	0.72	0.20	146,146,146,146	0
56	MG	GB	3611	1/1	0.72	0.33	77,77,77,77	0
56	MG	FB	1930	1/1	0.72	0.51	68,68,68,68	0
56	MG	A	1770	1/1	0.72	0.54	139,139,139,139	0
56	MG	GB	3426	1/1	0.72	0.21	117,117,117,117	0
56	MG	GB	3635	1/1	0.72	0.49	78,78,78,78	0
56	MG	B	3587	1/1	0.72	0.17	62,62,62,62	0
56	MG	GB	3326	1/1	0.72	0.39	60,60,60,60	0
56	MG	FB	1727	1/1	0.72	0.44	141,141,141,141	0
56	MG	NB	201	1/1	0.72	0.43	130,130,130,130	0
56	MG	PB	202	1/1	0.72	0.58	89,89,89,89	0
56	MG	GB	3332	1/1	0.72	0.34	64,64,64,64	0
56	MG	A	1642	1/1	0.73	0.20	125,125,125,125	0
56	MG	GB	3197	1/1	0.73	0.29	100,100,100,100	0
56	MG	A	1674	1/1	0.73	0.34	65,65,65,65	0
56	MG	B	3017	1/1	0.73	0.63	51,51,51,51	0
56	MG	VB	208	1/1	0.73	0.57	74,74,74,74	0
56	MG	GB	2979	1/1	0.73	0.83	52,52,52,52	0
56	MG	FB	1748	1/1	0.73	0.20	116,116,116,116	0
56	MG	W	301	1/1	0.73	0.22	73,73,73,73	0
56	MG	MA	301	1/1	0.73	0.42	97,97,97,97	0
56	MG	A	1777	1/1	0.73	0.24	91,91,91,91	0
56	MG	FB	1756	1/1	0.73	0.29	68,68,68,68	0
56	MG	BC	307	1/1	0.73	0.12	104,104,104,104	0
56	MG	A	1743	1/1	0.73	1.02	80,80,80,80	0
56	MG	B	3578	1/1	0.73	0.19	54,54,54,54	0
56	MG	Y	104	1/1	0.73	0.23	71,71,71,71	0
56	MG	AA	103	1/1	0.73	0.21	59,59,59,59	0
56	MG	B	3077	1/1	0.73	0.82	45,45,45,45	0
56	MG	GB	3443	1/1	0.73	0.39	69,69,69,69	0
56	MG	FB	1644	1/1	0.73	0.12	81,81,81,81	0
56	MG	FB	1663	1/1	0.73	0.11	156,156,156,156	0
56	MG	OA	204	1/1	0.73	0.36	82,82,82,82	0
56	MG	A	1819	1/1	0.73	1.89	82,82,82,82	0
56	MG	FB	1684	1/1	0.73	0.73	79,79,79,79	0
56	MG	B	3671	1/1	0.73	0.53	46,46,46,46	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	GB	3601	1/1	0.73	0.85	58,58,58,58	0
56	MG	FB	1934	1/1	0.73	0.89	82,82,82,82	0
56	MG	DA	104	1/1	0.73	0.22	71,71,71,71	0
56	MG	B	3412	1/1	0.73	0.18	57,57,57,57	0
56	MG	D	101	1/1	0.73	0.52	100,100,100,100	0
56	MG	GB	2921	1/1	0.73	0.57	72,72,72,72	0
56	MG	A	1643	1/1	0.73	0.49	70,70,70,70	0
56	MG	A	1656	1/1	0.73	0.78	100,100,100,100	0
56	MG	A	1669	1/1	0.73	0.35	114,114,114,114	0
56	MG	GB	2952	1/1	0.73	0.41	63,63,63,63	0
56	MG	GB	3639	1/1	0.73	0.37	71,71,71,71	0
56	MG	GB	3641	1/1	0.73	0.32	64,64,64,64	0
56	MG	GB	3554	1/1	0.74	0.48	71,71,71,71	0
56	MG	B	3181	1/1	0.74	0.35	57,57,57,57	0
56	MG	GB	2918	1/1	0.74	0.58	56,56,56,56	0
56	MG	A	1761	1/1	0.74	0.22	74,74,74,74	0
56	MG	A	1824	1/1	0.74	0.55	111,111,111,111	0
56	MG	B	3443	1/1	0.74	0.12	176,176,176,176	0
56	MG	FB	1791	1/1	0.74	0.27	105,105,105,105	0
56	MG	B	3379	1/1	0.74	0.34	52,52,52,52	0
56	MG	A	1833	1/1	0.74	0.43	116,116,116,116	0
56	MG	GB	2961	1/1	0.74	0.34	64,64,64,64	0
56	MG	CC	102	1/1	0.74	0.21	77,77,77,77	0
56	MG	FB	1815	1/1	0.74	0.33	79,79,79,79	0
56	MG	KC	105	1/1	0.74	0.79	73,73,73,73	0
56	MG	B	3573	1/1	0.74	0.32	57,57,57,57	0
56	MG	B	3476	1/1	0.74	0.30	67,67,67,67	0
56	MG	GB	3174	1/1	0.74	0.24	64,64,64,64	0
56	MG	FB	1722	1/1	0.74	0.34	101,101,101,101	0
56	MG	A	1885	1/1	0.74	0.20	135,135,135,135	0
56	MG	B	3807	1/1	0.74	0.32	92,92,92,92	0
56	MG	B	2962	1/1	0.74	0.62	43,43,43,43	0
56	MG	HB	228	1/1	0.74	0.34	81,81,81,81	0
56	MG	GB	3007	1/1	0.74	0.33	73,73,73,73	0
56	MG	B	3592	1/1	0.74	0.24	73,73,73,73	0
56	MG	B	2983	1/1	0.74	0.28	50,50,50,50	0
56	MG	GB	3490	1/1	0.74	0.58	63,63,63,63	0
56	MG	GB	3041	1/1	0.74	0.17	93,93,93,93	0
56	MG	B	2991	1/1	0.74	0.29	56,56,56,56	0
56	MG	A	1749	1/1	0.74	0.33	110,110,110,110	0
56	MG	GB	3081	1/1	0.74	0.31	51,51,51,51	0
56	MG	GB	3519	1/1	0.74	0.34	85,85,85,85	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	FB	1757	1/1	0.74	0.15	101,101,101,101	0
56	MG	TC	201	1/1	0.74	0.43	79,79,79,79	0
56	MG	OB	202	1/1	0.74	0.33	115,115,115,115	0
56	MG	GB	3088	1/1	0.74	0.76	60,60,60,60	0
56	MG	YC	204	1/1	0.74	0.25	94,94,94,94	0
56	MG	ZC	202	1/1	0.74	0.17	75,75,75,75	0
56	MG	B	3003	1/1	0.74	0.43	53,53,53,53	0
56	MG	GB	3237	1/1	0.74	0.84	93,93,93,93	0
56	MG	GB	3416	1/1	0.74	0.57	61,61,61,61	0
56	MG	B	3287	1/1	0.75	0.88	40,40,40,40	0
56	MG	GB	3289	1/1	0.75	0.21	63,63,63,63	0
56	MG	B	2964	1/1	0.75	0.22	55,55,55,55	0
56	MG	GB	3106	1/1	0.75	0.38	66,66,66,66	0
56	MG	GB	3656	1/1	0.75	0.24	93,93,93,93	0
56	MG	GB	3662	1/1	0.75	0.10	117,117,117,117	0
56	MG	B	3597	1/1	0.75	0.32	49,49,49,49	0
56	MG	JB	307	1/1	0.75	0.15	63,63,63,63	0
56	MG	I	205	1/1	0.75	0.24	69,69,69,69	0
56	MG	GB	3674	1/1	0.75	1.17	84,84,84,84	0
56	MG	FB	1651	1/1	0.75	1.16	90,90,90,90	0
56	MG	GB	3685	1/1	0.75	0.24	70,70,70,70	0
56	MG	B	3550	1/1	0.75	0.32	147,147,147,147	0
56	MG	GB	3689	1/1	0.75	0.59	67,67,67,67	0
56	MG	A	1616	1/1	0.75	0.39	74,74,74,74	0
56	MG	QC	302	1/1	0.75	0.40	103,103,103,103	0
56	MG	GB	3133	1/1	0.75	0.16	69,69,69,69	0
56	MG	A	1722	1/1	0.75	0.10	98,98,98,98	0
56	MG	B	3194	1/1	0.75	0.15	53,53,53,53	0
56	MG	B	3106	1/1	0.75	0.26	58,58,58,58	0
56	MG	B	3520	1/1	0.75	0.33	64,64,64,64	0
56	MG	B	3039	1/1	0.75	0.47	50,50,50,50	0
56	MG	VB	204	1/1	0.75	0.18	74,74,74,74	0
56	MG	A	1815	1/1	0.75	0.19	108,108,108,108	0
56	MG	GB	3249	1/1	0.75	0.26	68,68,68,68	0
56	MG	YB	205	1/1	0.75	0.36	57,57,57,57	0
56	MG	GB	3622	1/1	0.75	0.30	105,105,105,105	0
56	MG	FB	1769	1/1	0.75	0.29	91,91,91,91	0
56	MG	GB	3469	1/1	0.75	0.58	65,65,65,65	0
56	MG	RA	204	1/1	0.75	0.19	137,137,137,137	0
56	MG	FB	1775	1/1	0.75	0.31	83,83,83,83	0
56	MG	B	3687	1/1	0.76	0.24	52,52,52,52	0
56	MG	B	3551	1/1	0.76	0.34	51,51,51,51	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	A	1880	1/1	0.76	0.43	77,77,77,77	0
56	MG	B	3558	1/1	0.76	0.33	64,64,64,64	0
56	MG	FB	1783	1/1	0.76	0.24	79,79,79,79	0
56	MG	GB	3444	1/1	0.76	0.39	78,78,78,78	0
56	MG	B	3424	1/1	0.76	0.54	57,57,57,57	0
56	MG	ZA	201	1/1	0.76	0.22	85,85,85,85	0
56	MG	B	3715	1/1	0.76	0.37	64,64,64,64	0
56	MG	B	3098	1/1	0.76	0.37	46,46,46,46	0
56	MG	GB	3463	1/1	0.76	0.43	66,66,66,66	0
56	MG	GB	3002	1/1	0.76	0.59	88,88,88,88	0
56	MG	FB	1709	1/1	0.76	0.21	130,130,130,130	0
56	MG	GB	3331	1/1	0.76	0.17	61,61,61,61	0
56	MG	B	3738	1/1	0.76	0.27	55,55,55,55	0
56	MG	A	1776	1/1	0.76	1.05	78,78,78,78	0
56	MG	GB	3191	1/1	0.76	0.54	68,68,68,68	0
56	MG	FB	1721	1/1	0.76	0.54	76,76,76,76	0
56	MG	B	3381	1/1	0.76	0.27	77,77,77,77	0
56	MG	FB	1726	1/1	0.76	0.48	94,94,94,94	0
56	MG	JB	303	1/1	0.76	0.19	71,71,71,71	0
56	MG	A	1664	1/1	0.76	0.81	73,73,73,73	0
56	MG	B	3391	1/1	0.76	0.34	56,56,56,56	0
56	MG	GB	3218	1/1	0.76	0.73	61,61,61,61	0
56	MG	KB	301	1/1	0.76	0.38	62,62,62,62	0
56	MG	GB	3495	1/1	0.76	0.16	72,72,72,72	0
56	MG	FB	1935	1/1	0.76	0.65	71,71,71,71	0
56	MG	B	3335	1/1	0.76	0.15	78,78,78,78	0
56	MG	GB	3387	1/1	0.76	0.56	66,66,66,66	0
56	MG	A	1745	1/1	0.76	0.31	78,78,78,78	0
56	MG	A	1719	1/1	0.76	0.17	101,101,101,101	0
56	MG	FB	1946	1/1	0.76	0.32	70,70,70,70	0
56	MG	B	3284	1/1	0.76	0.54	72,72,72,72	0
56	MG	WC	202	1/1	0.76	0.24	121,121,121,121	0
56	MG	GB	3534	1/1	0.76	0.41	59,59,59,59	0
56	MG	G	3210	1/1	0.76	0.46	62,62,62,62	0
56	MG	GB	3111	1/1	0.76	0.37	66,66,66,66	0
56	MG	B	3815	1/1	0.76	0.74	61,61,61,61	0
56	MG	FB	1677	1/1	0.76	0.43	67,67,67,67	0
56	MG	GB	3556	1/1	0.76	0.62	77,77,77,77	0
56	MG	B	3315	1/1	0.77	0.31	43,43,43,43	0
56	MG	A	1867	1/1	0.77	0.20	64,64,64,64	0
56	MG	IA	119	1/1	0.77	0.18	73,73,73,73	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	G	3211	1/1	0.77	0.46	60,60,60,60	0
56	MG	GB	3353	1/1	0.77	0.40	68,68,68,68	0
56	MG	GB	3648	1/1	0.77	0.21	88,88,88,88	0
56	MG	JA	406	1/1	0.77	0.23	87,87,87,87	0
56	MG	FB	1790	1/1	0.77	0.47	63,63,63,63	0
56	MG	GB	3659	1/1	0.77	0.22	80,80,80,80	0
56	MG	GB	3362	1/1	0.77	0.41	76,76,76,76	0
56	MG	B	3323	1/1	0.77	0.24	83,83,83,83	0
56	MG	A	1837	1/1	0.77	0.19	124,124,124,124	0
56	MG	B	3461	1/1	0.77	0.33	56,56,56,56	0
56	MG	A	1821	1/1	0.77	0.30	77,77,77,77	0
56	MG	B	2919	1/1	0.77	0.19	52,52,52,52	0
56	MG	FB	1615	1/1	0.77	0.80	87,87,87,87	0
56	MG	GB	3533	1/1	0.77	0.30	93,93,93,93	0
56	MG	B	3773	1/1	0.77	0.20	99,99,99,99	0
56	MG	FB	1626	1/1	0.77	0.16	72,72,72,72	0
56	MG	GB	3397	1/1	0.77	0.44	60,60,60,60	0
56	MG	GB	3098	1/1	0.77	0.35	68,68,68,68	0
56	MG	GB	3702	1/1	0.77	0.21	53,53,53,53	0
56	MG	GB	3405	1/1	0.77	0.26	70,70,70,70	0
56	MG	A	1714	1/1	0.77	0.69	97,97,97,97	0
56	MG	C	231	1/1	0.77	0.17	89,89,89,89	0
56	MG	FB	1734	1/1	0.77	0.57	65,65,65,65	0
56	MG	B	3785	1/1	0.77	0.33	61,61,61,61	0
56	MG	PC	301	1/1	0.77	0.27	115,115,115,115	0
56	MG	GB	3247	1/1	0.77	0.59	62,62,62,62	0
56	MG	HB	212	1/1	0.77	0.29	85,85,85,85	0
56	MG	GB	3427	1/1	0.77	0.42	61,61,61,61	0
56	MG	GB	3112	1/1	0.77	0.13	64,64,64,64	0
56	MG	A	1635	1/1	0.77	0.12	104,104,104,104	0
56	MG	GB	3266	1/1	0.77	0.57	57,57,57,57	0
56	MG	B	2965	1/1	0.77	0.29	45,45,45,45	0
56	MG	B	3308	1/1	0.77	0.43	50,50,50,50	0
56	MG	A	1877	1/1	0.77	0.17	167,167,167,167	0
56	MG	HB	231	1/1	0.77	0.24	79,79,79,79	0
56	MG	GB	2947	1/1	0.77	0.33	109,109,109,109	0
56	MG	FB	1876	1/1	0.77	0.16	170,170,170,170	0
56	MG	B	3637	1/1	0.77	0.67	62,62,62,62	0
56	MG	GB	3152	1/1	0.77	0.27	74,74,74,74	0
56	MG	FB	1661	1/1	0.77	0.15	66,66,66,66	0
56	MG	HA	102	1/1	0.77	0.44	69,69,69,69	0
56	MG	GB	3328	1/1	0.77	0.17	75,75,75,75	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	IA	103	1/1	0.77	0.31	76,76,76,76	0
56	MG	F	306	1/1	0.77	0.19	60,60,60,60	0
56	MG	FB	1771	1/1	0.77	0.54	83,83,83,83	0
56	MG	GB	3478	1/1	0.77	0.14	187,187,187,187	0
56	MG	GB	3482	1/1	0.77	0.31	77,77,77,77	0
56	MG	RA	203	1/1	0.78	0.39	119,119,119,119	0
56	MG	B	3774	1/1	0.78	0.43	46,46,46,46	0
56	MG	NB	202	1/1	0.78	0.33	120,120,120,120	0
56	MG	B	3232	1/1	0.78	0.33	57,57,57,57	0
56	MG	GB	3198	1/1	0.78	0.64	59,59,59,59	0
56	MG	E	308	1/1	0.78	1.00	52,52,52,52	0
56	MG	RB	202	1/1	0.78	0.57	77,77,77,77	0
56	MG	GB	3647	1/1	0.78	0.75	77,77,77,77	0
56	MG	A	1830	1/1	0.78	0.40	67,67,67,67	0
56	MG	GB	3654	1/1	0.78	0.23	72,72,72,72	0
56	MG	A	1628	1/1	0.78	0.73	77,77,77,77	0
56	MG	GB	3050	1/1	0.78	0.20	70,70,70,70	0
56	MG	GB	3381	1/1	0.78	0.15	66,66,66,66	0
56	MG	B	3248	1/1	0.78	0.27	84,84,84,84	0
56	MG	A	1680	1/1	0.78	0.33	75,75,75,75	0
56	MG	A	1684	1/1	0.78	0.22	67,67,67,67	0
56	MG	GB	3223	1/1	0.78	0.36	81,81,81,81	0
56	MG	B	3291	1/1	0.78	0.24	109,109,109,109	0
56	MG	GB	3228	1/1	0.78	0.47	62,62,62,62	0
56	MG	A	1775	1/1	0.78	0.40	96,96,96,96	0
56	MG	B	3709	1/1	0.78	0.43	64,64,64,64	0
56	MG	GB	3692	1/1	0.78	0.66	81,81,81,81	0
56	MG	I	207	1/1	0.78	0.20	70,70,70,70	0
56	MG	KC	103	1/1	0.78	0.26	64,64,64,64	0
56	MG	GB	3546	1/1	0.78	0.23	63,63,63,63	0
56	MG	NC	106	1/1	0.78	0.66	77,77,77,77	0
56	MG	FB	1828	1/1	0.78	0.29	70,70,70,70	0
56	MG	GB	3549	1/1	0.78	0.27	86,86,86,86	0
56	MG	FB	1942	1/1	0.78	0.30	72,72,72,72	0
56	MG	B	3571	1/1	0.78	0.16	66,66,66,66	0
56	MG	FB	1622	1/1	0.78	0.51	74,74,74,74	0
56	MG	B	3720	1/1	0.78	0.30	59,59,59,59	0
56	MG	R	202	1/1	0.78	0.82	49,49,49,49	0
56	MG	GB	3429	1/1	0.78	0.23	49,49,49,49	0
56	MG	B	3839	1/1	0.78	0.27	50,50,50,50	0
56	MG	B	2992	1/1	0.78	0.41	38,38,38,38	0
56	MG	A	1847	1/1	0.78	0.58	93,93,93,93	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	B	3435	1/1	0.78	0.46	63,63,63,63	0
56	MG	Y	102	1/1	0.78	0.27	54,54,54,54	0
56	MG	GB	3445	1/1	0.78	0.36	122,122,122,122	0
56	MG	GB	3447	1/1	0.78	0.19	199,199,199,199	0
56	MG	GB	3142	1/1	0.78	0.44	50,50,50,50	0
56	MG	GB	3306	1/1	0.78	0.61	57,57,57,57	0
56	MG	GB	3308	1/1	0.78	0.20	61,61,61,61	0
56	MG	B	3589	1/1	0.78	0.38	60,60,60,60	0
56	MG	B	3436	1/1	0.78	0.20	81,81,81,81	0
56	MG	B	3758	1/1	0.78	0.15	80,80,80,80	0
56	MG	PA	203	1/1	0.78	0.23	92,92,92,92	0
56	MG	GB	3468	1/1	0.78	0.47	86,86,86,86	0
56	MG	FB	1889	1/1	0.78	0.79	69,69,69,69	0
56	MG	B	3759	1/1	0.78	0.36	47,47,47,47	0
56	MG	FB	1772	1/1	0.78	0.26	68,68,68,68	0
56	MG	GB	3623	1/1	0.78	0.25	63,63,63,63	0
56	MG	FB	1905	1/1	0.78	0.59	70,70,70,70	0
56	MG	A	1814	1/1	0.78	0.30	92,92,92,92	0
56	MG	JB	306	1/1	0.79	0.21	69,69,69,69	0
56	MG	GB	3596	1/1	0.79	0.31	90,90,90,90	0
56	MG	B	3826	1/1	0.79	0.23	97,97,97,97	0
56	MG	GB	3056	1/1	0.79	0.47	57,57,57,57	0
56	MG	S	204	1/1	0.79	0.19	60,60,60,60	0
56	MG	A	1809	1/1	0.79	0.49	97,97,97,97	0
56	MG	B	3608	1/1	0.79	0.43	63,63,63,63	0
56	MG	GB	3259	1/1	0.79	0.40	70,70,70,70	0
56	MG	C	210	1/1	0.79	0.35	75,75,75,75	0
56	MG	B	3387	1/1	0.79	0.31	60,60,60,60	0
56	MG	B	3440	1/1	0.79	0.55	59,59,59,59	0
56	MG	GB	3450	1/1	0.79	0.19	77,77,77,77	0
56	MG	B	3736	1/1	0.79	0.43	52,52,52,52	0
56	MG	FB	1788	1/1	0.79	0.18	76,76,76,76	0
56	MG	RB	203	1/1	0.79	0.56	57,57,57,57	0
56	MG	GB	3107	1/1	0.79	0.22	81,81,81,81	0
56	MG	A	1810	1/1	0.79	0.62	75,75,75,75	0
56	MG	AA	104	1/1	0.79	0.17	75,75,75,75	0
56	MG	GB	3299	1/1	0.79	0.18	134,134,134,134	0
56	MG	GB	3300	1/1	0.79	0.70	90,90,90,90	0
56	MG	A	1765	1/1	0.79	0.13	152,152,152,152	0
56	MG	FB	1931	1/1	0.79	0.17	144,144,144,144	0
56	MG	YB	202	1/1	0.79	0.19	71,71,71,71	0
56	MG	GB	3314	1/1	0.79	0.20	140,140,140,140	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	GB	3319	1/1	0.79	0.20	84,84,84,84	0
56	MG	GB	3321	1/1	0.79	0.32	61,61,61,61	0
56	MG	A	1718	1/1	0.79	0.54	64,64,64,64	0
56	MG	FB	1807	1/1	0.79	0.72	97,97,97,97	0
56	MG	FB	1936	1/1	0.79	0.37	87,87,87,87	0
56	MG	B	3334	1/1	0.79	0.34	46,46,46,46	0
56	MG	BC	309	1/1	0.79	0.15	98,98,98,98	0
56	MG	FB	1817	1/1	0.79	0.73	62,62,62,62	0
56	MG	A	1831	1/1	0.79	0.58	96,96,96,96	0
56	MG	C	237	1/1	0.79	0.36	83,83,83,83	0
56	MG	A	1853	1/1	0.79	0.30	99,99,99,99	0
56	MG	A	1778	1/1	0.79	0.70	104,104,104,104	0
56	MG	FB	1827	1/1	0.79	0.39	71,71,71,71	0
56	MG	GB	3690	1/1	0.79	0.33	64,64,64,64	0
56	MG	GB	3516	1/1	0.79	0.26	63,63,63,63	0
56	MG	GB	2922	1/1	0.79	0.55	63,63,63,63	0
56	MG	GB	3351	1/1	0.79	0.25	83,83,83,83	0
56	MG	FB	1715	1/1	0.79	0.22	82,82,82,82	0
56	MG	B	3419	1/1	0.79	0.31	54,54,54,54	0
56	MG	FB	1837	1/1	0.79	0.63	91,91,91,91	0
56	MG	FB	1848	1/1	0.79	0.33	76,76,76,76	0
56	MG	GB	3706	1/1	0.79	0.42	83,83,83,83	0
56	MG	GB	3374	1/1	0.79	0.25	62,62,62,62	0
56	MG	B	3781	1/1	0.79	0.12	69,69,69,69	0
56	MG	B	3580	1/1	0.79	0.27	58,58,58,58	0
56	MG	B	3497	1/1	0.79	0.47	52,52,52,52	0
56	MG	GB	3194	1/1	0.79	0.32	62,62,62,62	0
56	MG	B	3149	1/1	0.79	0.28	42,42,42,42	0
56	MG	FB	1732	1/1	0.79	0.55	105,105,105,105	0
56	MG	B	3361	1/1	0.79	0.33	72,72,72,72	0
56	MG	B	3512	1/1	0.79	0.57	71,71,71,71	0
56	MG	B	3688	1/1	0.79	0.26	60,60,60,60	0
56	MG	KA	302	1/1	0.79	0.25	123,123,123,123	0
56	MG	FB	1880	1/1	0.79	0.31	74,74,74,74	0
56	MG	FB	1633	1/1	0.79	0.76	68,68,68,68	0
56	MG	KA	303	1/1	0.79	0.11	130,130,130,130	0
56	MG	A	1686	1/1	0.79	0.52	87,87,87,87	0
56	MG	GB	3031	1/1	0.79	0.27	60,60,60,60	0
56	MG	A	1840	1/1	0.79	0.31	65,65,65,65	0
56	MG	A	1625	1/1	0.79	0.78	66,66,66,66	0
56	MG	B	3604	1/1	0.79	0.34	60,60,60,60	0
56	MG	GB	3329	1/1	0.80	0.44	85,85,85,85	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	JA	408	1/1	0.80	0.28	97,97,97,97	0
56	MG	MB	207	1/1	0.80	0.34	105,105,105,105	0
56	MG	A	1724	1/1	0.80	0.45	68,68,68,68	0
56	MG	GB	3183	1/1	0.80	0.52	61,61,61,61	0
56	MG	GB	3479	1/1	0.80	0.41	66,66,66,66	0
56	MG	B	3732	1/1	0.80	0.38	57,57,57,57	0
56	MG	FB	1620	1/1	0.80	0.34	67,67,67,67	0
56	MG	B	3559	1/1	0.80	0.11	63,63,63,63	0
56	MG	K	203	1/1	0.80	0.12	73,73,73,73	0
56	MG	K	206	1/1	0.80	0.18	73,73,73,73	0
56	MG	GB	3652	1/1	0.80	0.12	73,73,73,73	0
56	MG	P	203	1/1	0.80	0.20	75,75,75,75	0
56	MG	B	3130	1/1	0.80	0.17	80,80,80,80	0
56	MG	B	3051	1/1	0.80	0.75	40,40,40,40	0
56	MG	GB	3499	1/1	0.80	0.54	61,61,61,61	0
56	MG	GB	3661	1/1	0.80	0.23	66,66,66,66	0
56	MG	B	3338	1/1	0.80	0.39	47,47,47,47	0
56	MG	B	3341	1/1	0.80	0.26	58,58,58,58	0
56	MG	A	1794	1/1	0.80	0.43	73,73,73,73	0
56	MG	FB	1894	1/1	0.80	0.43	70,70,70,70	0
56	MG	B	2912	1/1	0.80	0.37	59,59,59,59	0
56	MG	FB	1646	1/1	0.80	0.35	81,81,81,81	0
56	MG	GB	3221	1/1	0.80	0.59	164,164,164,164	0
56	MG	FB	1901	1/1	0.80	0.30	75,75,75,75	0
56	MG	GB	3532	1/1	0.80	0.28	70,70,70,70	0
56	MG	GB	3389	1/1	0.80	0.12	74,74,74,74	0
56	MG	GC	102	1/1	0.80	0.22	127,127,127,127	0
56	MG	FB	1647	1/1	0.80	0.17	143,143,143,143	0
56	MG	B	3501	1/1	0.80	0.31	48,48,48,48	0
56	MG	B	3175	1/1	0.80	0.29	60,60,60,60	0
56	MG	B	3359	1/1	0.80	0.23	63,63,63,63	0
56	MG	GB	3061	1/1	0.80	0.29	62,62,62,62	0
56	MG	GB	3553	1/1	0.80	0.29	86,86,86,86	0
56	MG	FB	1787	1/1	0.80	1.63	77,77,77,77	0
56	MG	GB	3065	1/1	0.80	0.31	95,95,95,95	0
56	MG	Z	101	1/1	0.80	0.18	76,76,76,76	0
56	MG	A	1663	1/1	0.80	0.32	63,63,63,63	0
56	MG	B	3307	1/1	0.80	0.20	81,81,81,81	0
56	MG	HB	210	1/1	0.80	0.15	114,114,114,114	0
56	MG	A	1610	1/1	0.80	0.85	78,78,78,78	0
56	MG	A	1878	1/1	0.80	0.99	101,101,101,101	0
56	MG	B	3792	1/1	0.80	0.17	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	GB	3582	1/1	0.80	0.21	68,68,68,68	0
56	MG	B	3794	1/1	0.80	0.45	60,60,60,60	0
56	MG	B	3202	1/1	0.80	0.21	64,64,64,64	0
56	MG	UA	201	1/1	0.80	0.13	75,75,75,75	0
56	MG	A	1703	1/1	0.80	0.37	61,61,61,61	0
56	MG	VA	201	1/1	0.80	0.51	123,123,123,123	0
56	MG	SC	203	1/1	0.80	0.35	85,85,85,85	0
56	MG	F	309	1/1	0.80	0.28	38,38,38,38	0
56	MG	FB	1940	1/1	0.80	0.16	94,94,94,94	0
56	MG	B	3809	1/1	0.80	0.26	66,66,66,66	0
56	MG	G	3204	1/1	0.80	0.72	49,49,49,49	0
56	MG	FB	1833	1/1	0.80	0.20	62,62,62,62	0
56	MG	FB	1834	1/1	0.80	0.33	68,68,68,68	0
56	MG	FB	1948	1/1	0.80	0.33	116,116,116,116	0
56	MG	B	3321	1/1	0.80	0.16	60,60,60,60	0
56	MG	B	3457	1/1	0.80	0.31	66,66,66,66	0
56	MG	FB	1846	1/1	0.80	0.14	73,73,73,73	0
56	MG	B	3218	1/1	0.80	0.10	61,61,61,61	0
56	MG	FB	1611	1/1	0.80	0.18	63,63,63,63	0
56	MG	B	3288	1/1	0.81	0.59	59,59,59,59	0
56	MG	B	3383	1/1	0.81	0.23	47,47,47,47	0
56	MG	GB	3369	1/1	0.81	0.37	90,90,90,90	0
56	MG	B	3598	1/1	0.81	0.26	62,62,62,62	0
56	MG	B	3139	1/1	0.81	0.18	47,47,47,47	0
56	MG	GB	3377	1/1	0.81	0.31	72,72,72,72	0
56	MG	GB	3557	1/1	0.81	0.24	76,76,76,76	0
56	MG	A	1860	1/1	0.81	0.70	81,81,81,81	0
56	MG	B	3018	1/1	0.81	0.18	50,50,50,50	0
56	MG	GB	3382	1/1	0.81	0.25	72,72,72,72	0
56	MG	B	3309	1/1	0.81	0.14	56,56,56,56	0
56	MG	FB	1843	1/1	0.81	0.22	85,85,85,85	0
56	MG	A	1861	1/1	0.81	0.35	92,92,92,92	0
56	MG	FB	1706	1/1	0.81	0.20	69,69,69,69	0
56	MG	B	3786	1/1	0.81	0.16	68,68,68,68	0
56	MG	M	205	1/1	0.81	0.32	45,45,45,45	0
56	MG	GB	3214	1/1	0.81	0.35	64,64,64,64	0
56	MG	A	1887	1/1	0.81	0.24	87,87,87,87	0
56	MG	B	3514	1/1	0.81	0.31	55,55,55,55	0
56	MG	B	3186	1/1	0.81	0.30	48,48,48,48	0
56	MG	GB	3408	1/1	0.81	0.39	55,55,55,55	0
56	MG	B	3640	1/1	0.81	0.47	53,53,53,53	0
56	MG	B	3320	1/1	0.81	0.19	64,64,64,64	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	B	3418	1/1	0.81	0.23	76,76,76,76	0
56	MG	FB	1729	1/1	0.81	0.21	72,72,72,72	0
56	MG	GB	3226	1/1	0.81	0.57	67,67,67,67	0
56	MG	SB	203	1/1	0.81	0.37	73,73,73,73	0
56	MG	B	3187	1/1	0.81	0.19	59,59,59,59	0
56	MG	GB	3025	1/1	0.81	0.42	64,64,64,64	0
56	MG	GB	3028	1/1	0.81	0.24	71,71,71,71	0
56	MG	GB	3619	1/1	0.81	0.26	75,75,75,75	0
56	MG	UA	203	1/1	0.81	0.65	74,74,74,74	0
56	MG	GB	3236	1/1	0.81	0.50	74,74,74,74	0
56	MG	GB	3625	1/1	0.81	0.27	78,78,78,78	0
56	MG	A	1711	1/1	0.81	0.52	95,95,95,95	0
56	MG	X	105	1/1	0.81	0.81	55,55,55,55	0
56	MG	B	3539	1/1	0.81	0.34	51,51,51,51	0
56	MG	B	3425	1/1	0.81	0.14	47,47,47,47	0
56	MG	B	3673	1/1	0.81	0.33	50,50,50,50	0
56	MG	GB	3250	1/1	0.81	0.16	77,77,77,77	0
56	MG	A	1737	1/1	0.81	0.21	106,106,106,106	0
56	MG	GB	3454	1/1	0.81	0.31	77,77,77,77	0
56	MG	GB	3262	1/1	0.81	0.67	50,50,50,50	0
56	MG	B	3675	1/1	0.81	0.30	60,60,60,60	0
56	MG	B	3432	1/1	0.81	0.22	68,68,68,68	0
56	MG	C	209	1/1	0.81	0.27	62,62,62,62	0
56	MG	GB	3082	1/1	0.81	0.51	53,53,53,53	0
56	MG	GB	3085	1/1	0.81	0.44	60,60,60,60	0
56	MG	GB	3286	1/1	0.81	0.34	125,125,125,125	0
56	MG	B	3073	1/1	0.81	0.19	62,62,62,62	0
56	MG	A	1759	1/1	0.81	0.25	62,62,62,62	0
56	MG	GB	3664	1/1	0.81	0.42	58,58,58,58	0
56	MG	A	1822	1/1	0.81	0.77	72,72,72,72	0
56	MG	B	3693	1/1	0.81	0.21	51,51,51,51	0
56	MG	B	3562	1/1	0.81	0.18	73,73,73,73	0
56	MG	B	3563	1/1	0.81	0.20	47,47,47,47	0
56	MG	GB	3687	1/1	0.81	0.13	72,72,72,72	0
56	MG	B	3228	1/1	0.81	0.25	58,58,58,58	0
56	MG	FB	1920	1/1	0.81	0.22	70,70,70,70	0
56	MG	GB	3317	1/1	0.81	0.25	70,70,70,70	0
56	MG	A	1636	1/1	0.81	0.22	82,82,82,82	0
56	MG	GB	3693	1/1	0.81	0.20	69,69,69,69	0
56	MG	GB	3320	1/1	0.81	0.26	60,60,60,60	0
56	MG	IA	120	1/1	0.81	0.14	85,85,85,85	0
56	MG	B	3572	1/1	0.81	0.52	66,66,66,66	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	A	1741	1/1	0.81	0.20	73,73,73,73	0
56	MG	GB	3122	1/1	0.81	0.14	76,76,76,76	0
56	MG	FB	1932	1/1	0.81	0.82	89,89,89,89	0
56	MG	A	1876	1/1	0.81	0.32	83,83,83,83	0
56	MG	A	1677	1/1	0.81	0.29	105,105,105,105	0
56	MG	E	303	1/1	0.81	0.27	62,62,62,62	0
56	MG	FB	1806	1/1	0.81	0.24	135,135,135,135	0
56	MG	B	3267	1/1	0.81	0.19	61,61,61,61	0
56	MG	GB	3145	1/1	0.81	0.31	65,65,65,65	0
56	MG	A	1689	1/1	0.81	0.18	56,56,56,56	0
56	MG	B	3285	1/1	0.81	0.37	42,42,42,42	0
56	MG	B	3744	1/1	0.81	0.29	48,48,48,48	0
56	MG	B	3467	1/1	0.81	0.32	50,50,50,50	0
56	MG	CD	103	1/1	0.81	0.29	84,84,84,84	0
56	MG	A	1746	1/1	0.81	0.21	141,141,141,141	0
56	MG	B	3453	1/1	0.82	0.41	44,44,44,44	0
56	MG	GB	3287	1/1	0.82	0.23	62,62,62,62	0
56	MG	GB	3288	1/1	0.82	0.29	73,73,73,73	0
56	MG	FB	1873	1/1	0.82	0.15	107,107,107,107	0
56	MG	B	3070	1/1	0.82	0.48	47,47,47,47	0
56	MG	A	1834	1/1	0.82	0.55	82,82,82,82	0
56	MG	B	2934	1/1	0.82	0.36	62,62,62,62	0
56	MG	GB	3066	1/1	0.82	0.53	55,55,55,55	0
56	MG	B	3465	1/1	0.82	0.13	91,91,91,91	0
56	MG	I	206	1/1	0.82	0.20	74,74,74,74	0
56	MG	GB	3511	1/1	0.82	0.22	82,82,82,82	0
56	MG	GB	3311	1/1	0.82	0.20	64,64,64,64	0
56	MG	A	1866	1/1	0.82	0.12	95,95,95,95	0
56	MG	B	3474	1/1	0.82	0.30	41,41,41,41	0
56	MG	A	1648	1/1	0.82	0.38	100,100,100,100	0
56	MG	GB	3527	1/1	0.82	0.90	81,81,81,81	0
56	MG	GB	3095	1/1	0.82	0.61	63,63,63,63	0
56	MG	B	3093	1/1	0.82	0.22	54,54,54,54	0
56	MG	K	207	1/1	0.82	0.15	67,67,67,67	0
56	MG	RA	201	1/1	0.82	0.24	123,123,123,123	0
56	MG	FB	1731	1/1	0.82	0.29	70,70,70,70	0
56	MG	M	201	1/1	0.82	0.14	44,44,44,44	0
56	MG	A	1679	1/1	0.82	0.27	95,95,95,95	0
56	MG	O	202	1/1	0.82	0.44	70,70,70,70	0
56	MG	FB	1909	1/1	0.82	0.34	72,72,72,72	0
56	MG	A	1633	1/1	0.82	0.41	86,86,86,86	0
56	MG	Q	202	1/1	0.82	0.60	74,74,74,74	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	A	1672	1/1	0.82	0.73	105,105,105,105	0
56	MG	B	3689	1/1	0.82	0.29	50,50,50,50	0
56	MG	B	3822	1/1	0.82	0.66	44,44,44,44	0
56	MG	GB	3561	1/1	0.82	0.37	68,68,68,68	0
56	MG	GB	3126	1/1	0.82	0.15	53,53,53,53	0
56	MG	GB	3352	1/1	0.82	0.26	67,67,67,67	0
56	MG	GB	3567	1/1	0.82	0.50	52,52,52,52	0
56	MG	T	203	1/1	0.82	0.17	58,58,58,58	0
56	MG	FB	1762	1/1	0.82	0.38	69,69,69,69	0
56	MG	B	3336	1/1	0.82	0.21	60,60,60,60	0
56	MG	GB	3140	1/1	0.82	0.13	74,74,74,74	0
56	MG	RB	201	1/1	0.82	0.20	71,71,71,71	0
56	MG	FB	1924	1/1	0.82	0.28	71,71,71,71	0
56	MG	FB	1768	1/1	0.82	0.22	80,80,80,80	0
56	MG	GB	3587	1/1	0.82	0.27	101,101,101,101	0
56	MG	TB	201	1/1	0.82	0.21	66,66,66,66	0
56	MG	GB	3375	1/1	0.82	0.20	76,76,76,76	0
56	MG	A	1698	1/1	0.82	0.78	77,77,77,77	0
56	MG	GB	3592	1/1	0.82	0.15	116,116,116,116	0
56	MG	B	3699	1/1	0.82	0.48	49,49,49,49	0
56	MG	GB	3163	1/1	0.82	0.24	74,74,74,74	0
56	MG	B	3827	1/1	0.82	0.20	64,64,64,64	0
56	MG	FB	1933	1/1	0.82	0.44	126,126,126,126	0
56	MG	B	3339	1/1	0.82	0.29	60,60,60,60	0
56	MG	B	3703	1/1	0.82	0.57	59,59,59,59	0
56	MG	B	3511	1/1	0.82	0.34	65,65,65,65	0
56	MG	A	1779	1/1	0.82	0.40	82,82,82,82	0
56	MG	GB	3604	1/1	0.82	0.67	64,64,64,64	0
56	MG	GB	3187	1/1	0.82	0.50	55,55,55,55	0
56	MG	BC	305	1/1	0.82	0.06	110,110,110,110	0
56	MG	A	1734	1/1	0.82	1.07	72,72,72,72	0
56	MG	B	3711	1/1	0.82	0.73	64,64,64,64	0
56	MG	C	214	1/1	0.82	0.24	79,79,79,79	0
56	MG	A	1673	1/1	0.82	0.25	75,75,75,75	0
56	MG	FB	1625	1/1	0.82	0.45	78,78,78,78	0
56	MG	B	3151	1/1	0.82	0.11	55,55,55,55	0
56	MG	A	1827	1/1	0.82	0.60	85,85,85,85	0
56	MG	FB	1794	1/1	0.82	0.73	85,85,85,85	0
56	MG	GA	102	1/1	0.82	0.24	67,67,67,67	0
56	MG	GB	2923	1/1	0.82	0.28	62,62,62,62	0
56	MG	NC	114	1/1	0.82	0.42	64,64,64,64	0
56	MG	GB	2935	1/1	0.82	0.43	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	C	230	1/1	0.82	0.17	69,69,69,69	0
56	MG	B	3725	1/1	0.82	0.18	53,53,53,53	0
56	MG	A	1858	1/1	0.82	0.42	100,100,100,100	0
56	MG	C	234	1/1	0.82	0.16	65,65,65,65	0
56	MG	IA	116	1/1	0.82	0.20	84,84,84,84	0
56	MG	GB	3650	1/1	0.82	0.38	57,57,57,57	0
56	MG	B	3614	1/1	0.82	0.61	50,50,50,50	0
56	MG	IA	118	1/1	0.82	0.29	67,67,67,67	0
56	MG	B	3530	1/1	0.82	0.38	58,58,58,58	0
56	MG	B	3362	1/1	0.82	0.13	66,66,66,66	0
56	MG	FB	1654	1/1	0.82	0.50	56,56,56,56	0
56	MG	GB	2985	1/1	0.82	0.44	58,58,58,58	0
56	MG	B	3301	1/1	0.82	0.40	49,49,49,49	0
56	MG	B	3630	1/1	0.82	0.46	39,39,39,39	0
56	MG	GB	3457	1/1	0.82	0.15	80,80,80,80	0
56	MG	FB	1668	1/1	0.82	0.38	82,82,82,82	0
56	MG	FB	1836	1/1	0.82	0.18	66,66,66,66	0
56	MG	B	3544	1/1	0.82	0.22	85,85,85,85	0
56	MG	GB	3682	1/1	0.82	0.54	77,77,77,77	0
56	MG	B	3636	1/1	0.82	0.47	171,171,171,171	0
56	MG	F	301	1/1	0.82	0.25	46,46,46,46	0
56	MG	GB	3258	1/1	0.82	0.31	74,74,74,74	0
56	MG	A	1626	1/1	0.82	0.27	63,63,63,63	0
56	MG	GB	3027	1/1	0.82	0.13	74,74,74,74	0
56	MG	B	3772	1/1	0.82	0.40	57,57,57,57	0
56	MG	A	1621	1/1	0.82	0.25	85,85,85,85	0
56	MG	F	311	1/1	0.82	0.14	59,59,59,59	0
56	MG	FB	1695	1/1	0.82	0.13	156,156,156,156	0
56	MG	A	1668	1/1	0.82	0.36	80,80,80,80	0
56	MG	GB	3373	1/1	0.83	0.32	85,85,85,85	0
56	MG	B	3370	1/1	0.83	0.18	64,64,64,64	0
56	MG	B	3842	1/1	0.83	0.52	60,60,60,60	0
56	MG	A	1755	1/1	0.83	0.21	71,71,71,71	0
56	MG	B	3718	1/1	0.83	0.53	54,54,54,54	0
56	MG	GB	3208	1/1	0.83	0.20	53,53,53,53	0
56	MG	B	3007	1/1	0.83	0.34	51,51,51,51	0
56	MG	SA	203	1/1	0.83	1.04	109,109,109,109	0
56	MG	IB	105	1/1	0.83	0.33	117,117,117,117	0
56	MG	FB	1720	1/1	0.83	0.18	81,81,81,81	0
56	MG	B	3239	1/1	0.83	0.11	64,64,64,64	0
56	MG	B	3723	1/1	0.83	0.18	67,67,67,67	0
56	MG	FB	1724	1/1	0.83	0.13	142,142,142,142	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	GB	3011	1/1	0.83	0.54	54,54,54,54	0
56	MG	B	3089	1/1	0.83	0.17	67,67,67,67	0
56	MG	Y	103	1/1	0.83	0.23	74,74,74,74	0
56	MG	KB	303	1/1	0.83	0.21	79,79,79,79	0
56	MG	B	3454	1/1	0.83	0.87	67,67,67,67	0
56	MG	B	3733	1/1	0.83	0.30	54,54,54,54	0
56	MG	B	2950	1/1	0.83	0.35	62,62,62,62	0
56	MG	B	3263	1/1	0.83	0.16	69,69,69,69	0
56	MG	GB	3409	1/1	0.83	0.22	70,70,70,70	0
56	MG	A	1856	1/1	0.83	0.57	87,87,87,87	0
56	MG	GB	3232	1/1	0.83	0.42	61,61,61,61	0
56	MG	GB	3235	1/1	0.83	0.34	57,57,57,57	0
56	MG	GB	3420	1/1	0.83	0.29	99,99,99,99	0
56	MG	XA	103	1/1	0.83	0.10	72,72,72,72	0
56	MG	B	3400	1/1	0.83	0.19	43,43,43,43	0
56	MG	B	3276	1/1	0.83	0.18	68,68,68,68	0
56	MG	GB	3241	1/1	0.83	0.40	74,74,74,74	0
56	MG	FB	1604	1/1	0.83	0.27	67,67,67,67	0
56	MG	B	3651	1/1	0.83	0.13	74,74,74,74	0
56	MG	B	3757	1/1	0.83	0.36	53,53,53,53	0
56	MG	B	3660	1/1	0.83	0.21	54,54,54,54	0
56	MG	GB	3067	1/1	0.83	0.34	57,57,57,57	0
56	MG	IA	102	1/1	0.83	0.22	81,81,81,81	0
56	MG	GB	3261	1/1	0.83	0.19	134,134,134,134	0
56	MG	E	301	1/1	0.83	0.35	52,52,52,52	0
56	MG	GB	3084	1/1	0.83	0.28	79,79,79,79	0
56	MG	A	1857	1/1	0.83	0.36	69,69,69,69	0
56	MG	GB	3632	1/1	0.83	0.15	130,130,130,130	0
56	MG	B	3761	1/1	0.83	0.38	53,53,53,53	0
56	MG	A	1848	1/1	0.83	0.34	70,70,70,70	0
56	MG	FB	1628	1/1	0.83	0.26	81,81,81,81	0
56	MG	FB	1631	1/1	0.83	0.87	96,96,96,96	0
56	MG	FB	1778	1/1	0.83	0.64	83,83,83,83	0
56	MG	B	3112	1/1	0.83	0.26	49,49,49,49	0
56	MG	B	3340	1/1	0.83	0.37	62,62,62,62	0
56	MG	B	3193	1/1	0.83	0.12	54,54,54,54	0
56	MG	FB	1925	1/1	0.83	0.21	147,147,147,147	0
56	MG	B	3342	1/1	0.83	0.22	115,115,115,115	0
56	MG	B	3575	1/1	0.83	0.20	69,69,69,69	0
56	MG	A	1817	1/1	0.83	0.40	66,66,66,66	0
56	MG	GB	3657	1/1	0.83	0.29	101,101,101,101	0
56	MG	GB	3658	1/1	0.83	0.41	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	B	3787	1/1	0.83	0.10	132,132,132,132	0
56	MG	B	3500	1/1	0.83	0.11	52,52,52,52	0
56	MG	B	3681	1/1	0.83	0.17	71,71,71,71	0
56	MG	B	3581	1/1	0.83	0.45	46,46,46,46	0
56	MG	FB	1801	1/1	0.83	0.20	75,75,75,75	0
56	MG	B	3583	1/1	0.83	0.32	73,73,73,73	0
56	MG	B	3199	1/1	0.83	0.45	55,55,55,55	0
56	MG	GB	3322	1/1	0.83	0.68	56,56,56,56	0
56	MG	A	1699	1/1	0.83	0.17	92,92,92,92	0
56	MG	B	3505	1/1	0.83	0.23	51,51,51,51	0
56	MG	GB	3497	1/1	0.83	0.26	59,59,59,59	0
56	MG	B	3812	1/1	0.83	0.15	62,62,62,62	0
56	MG	B	3813	1/1	0.83	0.35	52,52,52,52	0
56	MG	GB	3146	1/1	0.83	0.33	67,67,67,67	0
56	MG	B	3429	1/1	0.83	0.53	46,46,46,46	0
56	MG	B	3132	1/1	0.83	0.46	46,46,46,46	0
56	MG	FB	1823	1/1	0.83	0.12	87,87,87,87	0
56	MG	GB	3518	1/1	0.83	0.16	96,96,96,96	0
56	MG	GB	3334	1/1	0.83	0.23	109,109,109,109	0
56	MG	A	1820	1/1	0.83	0.27	93,93,93,93	0
56	MG	GB	3525	1/1	0.83	0.17	79,79,79,79	0
56	MG	FB	1825	1/1	0.83	0.75	86,86,86,86	0
56	MG	N	202	1/1	0.83	0.19	71,71,71,71	0
56	MG	B	3702	1/1	0.83	1.71	86,86,86,86	0
56	MG	FB	1832	1/1	0.83	0.63	76,76,76,76	0
56	MG	FB	1688	1/1	0.83	0.33	64,64,64,64	0
56	MG	YC	203	1/1	0.83	0.18	82,82,82,82	0
56	MG	GB	2945	1/1	0.83	0.09	92,92,92,92	0
56	MG	GB	3537	1/1	0.83	0.16	93,93,93,93	0
56	MG	A	1862	1/1	0.83	0.44	60,60,60,60	0
56	MG	B	3368	1/1	0.83	0.22	57,57,57,57	0
56	MG	B	3312	1/1	0.83	0.38	53,53,53,53	0
56	MG	B	3523	1/1	0.83	0.37	54,54,54,54	0
56	MG	GB	3273	1/1	0.84	0.26	54,54,54,54	0
56	MG	GB	3274	1/1	0.84	0.22	73,73,73,73	0
56	MG	GB	3418	1/1	0.84	0.22	58,58,58,58	0
56	MG	A	1800	1/1	0.84	0.20	132,132,132,132	0
56	MG	DB	101	1/1	0.84	0.66	119,119,119,119	0
56	MG	B	3204	1/1	0.84	0.28	40,40,40,40	0
56	MG	GB	3424	1/1	0.84	0.18	128,128,128,128	0
56	MG	GB	3425	1/1	0.84	0.41	58,58,58,58	0
56	MG	B	3094	1/1	0.84	0.10	51,51,51,51	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	B	3398	1/1	0.84	0.12	64,64,64,64	0
56	MG	GB	3154	1/1	0.84	0.14	61,61,61,61	0
56	MG	GB	3291	1/1	0.84	0.16	73,73,73,73	0
56	MG	GB	3439	1/1	0.84	0.28	74,74,74,74	0
56	MG	LB	302	1/1	0.84	0.31	61,61,61,61	0
56	MG	GB	3155	1/1	0.84	0.18	89,89,89,89	0
56	MG	GB	3294	1/1	0.84	0.28	64,64,64,64	0
56	MG	GB	3442	1/1	0.84	0.18	194,194,194,194	0
56	MG	GB	3295	1/1	0.84	0.15	65,65,65,65	0
56	MG	GB	3602	1/1	0.84	0.33	75,75,75,75	0
56	MG	B	3806	1/1	0.84	0.35	58,58,58,58	0
56	MG	FB	1796	1/1	0.84	0.27	79,79,79,79	0
56	MG	B	3154	1/1	0.84	0.16	58,58,58,58	0
56	MG	GB	3448	1/1	0.84	0.79	48,48,48,48	0
56	MG	GB	3303	1/1	0.84	0.34	61,61,61,61	0
56	MG	FB	1802	1/1	0.84	0.13	64,64,64,64	0
56	MG	B	3525	1/1	0.84	0.17	64,64,64,64	0
56	MG	B	3222	1/1	0.84	0.22	50,50,50,50	0
56	MG	RB	204	1/1	0.84	0.67	98,98,98,98	0
56	MG	W	305	1/1	0.84	0.11	67,67,67,67	0
56	MG	GB	3184	1/1	0.84	0.32	61,61,61,61	0
56	MG	GB	3021	1/1	0.84	0.59	56,56,56,56	0
56	MG	B	3734	1/1	0.84	0.28	69,69,69,69	0
56	MG	GB	3631	1/1	0.84	0.20	60,60,60,60	0
56	MG	B	3296	1/1	0.84	0.21	55,55,55,55	0
56	MG	B	3737	1/1	0.84	0.18	62,62,62,62	0
56	MG	B	3297	1/1	0.84	0.13	50,50,50,50	0
56	MG	GB	3033	1/1	0.84	0.10	79,79,79,79	0
56	MG	XB	204	1/1	0.84	0.28	97,97,97,97	0
56	MG	GB	3325	1/1	0.84	0.39	54,54,54,54	0
56	MG	GB	3036	1/1	0.84	0.16	58,58,58,58	0
56	MG	GB	3196	1/1	0.84	0.27	63,63,63,63	0
56	MG	F	308	1/1	0.84	1.58	58,58,58,58	0
56	MG	B	3226	1/1	0.84	0.40	64,64,64,64	0
56	MG	GB	3651	1/1	0.84	0.22	130,130,130,130	0
56	MG	Z	102	1/1	0.84	0.13	67,67,67,67	0
56	MG	A	1640	1/1	0.84	0.25	76,76,76,76	0
56	MG	FB	1736	1/1	0.84	0.24	58,58,58,58	0
56	MG	GB	3059	1/1	0.84	0.33	91,91,91,91	0
56	MG	B	3468	1/1	0.84	0.33	57,57,57,57	0
56	MG	FB	1746	1/1	0.84	0.29	63,63,63,63	0
56	MG	GB	3346	1/1	0.84	0.42	66,66,66,66	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	B	3102	1/1	0.84	0.20	46,46,46,46	0
56	MG	FB	1750	1/1	0.84	0.61	70,70,70,70	0
56	MG	NC	101	1/1	0.84	0.14	85,85,85,85	0
56	MG	A	1709	1/1	0.84	0.50	83,83,83,83	0
56	MG	B	3420	1/1	0.84	0.33	43,43,43,43	0
56	MG	A	1769	1/1	0.84	0.27	85,85,85,85	0
56	MG	FA	104	1/1	0.84	0.20	49,49,49,49	0
56	MG	B	3622	1/1	0.84	0.27	55,55,55,55	0
56	MG	GB	3367	1/1	0.84	0.16	76,76,76,76	0
56	MG	B	3769	1/1	0.84	0.36	69,69,69,69	0
56	MG	GB	3372	1/1	0.84	0.44	81,81,81,81	0
56	MG	B	3011	1/1	0.84	0.22	55,55,55,55	0
56	MG	B	3366	1/1	0.84	0.24	50,50,50,50	0
56	MG	GB	3526	1/1	0.84	0.51	80,80,80,80	0
56	MG	A	1712	1/1	0.84	0.21	76,76,76,76	0
56	MG	FB	1863	1/1	0.84	0.76	72,72,72,72	0
56	MG	FB	1867	1/1	0.84	0.15	82,82,82,82	0
56	MG	GB	3379	1/1	0.84	0.48	64,64,64,64	0
56	MG	B	3262	1/1	0.84	0.24	45,45,45,45	0
56	MG	QC	304	1/1	0.84	0.33	104,104,104,104	0
56	MG	A	1720	1/1	0.84	0.93	72,72,72,72	0
56	MG	GB	2932	1/1	0.84	0.45	68,68,68,68	0
56	MG	GB	2933	1/1	0.84	0.72	63,63,63,63	0
56	MG	L	201	1/1	0.84	0.72	54,54,54,54	0
56	MG	FB	1773	1/1	0.84	0.37	78,78,78,78	0
56	MG	B	3265	1/1	0.84	0.55	62,62,62,62	0
56	MG	FB	1776	1/1	0.84	0.30	67,67,67,67	0
56	MG	C	229	1/1	0.84	0.57	80,80,80,80	0
56	MG	A	1721	1/1	0.84	0.40	97,97,97,97	0
56	MG	B	3273	1/1	0.84	0.16	76,76,76,76	0
56	MG	FB	1693	1/1	0.84	0.51	66,66,66,66	0
56	MG	HB	214	1/1	0.84	0.45	107,107,107,107	0
56	MG	GB	3559	1/1	0.84	0.17	72,72,72,72	0
56	MG	YC	205	1/1	0.84	0.77	66,66,66,66	0
56	MG	ZC	201	1/1	0.84	0.26	70,70,70,70	0
56	MG	GB	3403	1/1	0.84	0.66	65,65,65,65	0
56	MG	B	3028	1/1	0.84	0.41	50,50,50,50	0
56	MG	GB	2963	1/1	0.84	1.12	59,59,59,59	0
56	MG	GB	3566	1/1	0.84	0.21	66,66,66,66	0
56	MG	ED	201	1/1	0.84	0.20	83,83,83,83	0
56	MG	GB	3271	1/1	0.84	0.59	84,84,84,84	0
56	MG	GB	3069	1/1	0.85	0.51	59,59,59,59	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	GB	3242	1/1	0.85	0.59	65,65,65,65	0
56	MG	T	205	1/1	0.85	0.17	58,58,58,58	0
56	MG	HB	230	1/1	0.85	0.29	131,131,131,131	0
56	MG	GB	3245	1/1	0.85	0.18	76,76,76,76	0
56	MG	FB	1795	1/1	0.85	0.17	61,61,61,61	0
56	MG	GB	3404	1/1	0.85	0.36	64,64,64,64	0
56	MG	GB	3568	1/1	0.85	0.17	66,66,66,66	0
56	MG	FB	1681	1/1	0.85	0.50	99,99,99,99	0
56	MG	GB	3574	1/1	0.85	0.16	83,83,83,83	0
56	MG	GB	3406	1/1	0.85	0.33	59,59,59,59	0
56	MG	FB	1928	1/1	0.85	0.22	62,62,62,62	0
56	MG	GB	3580	1/1	0.85	0.74	74,74,74,74	0
56	MG	JB	308	1/1	0.85	0.49	73,73,73,73	0
56	MG	JB	313	1/1	0.85	0.60	68,68,68,68	0
56	MG	GB	3251	1/1	0.85	0.44	55,55,55,55	0
56	MG	GB	3410	1/1	0.85	0.20	76,76,76,76	0
56	MG	GB	3252	1/1	0.85	0.28	59,59,59,59	0
56	MG	GB	3257	1/1	0.85	0.08	86,86,86,86	0
56	MG	LB	304	1/1	0.85	0.15	83,83,83,83	0
56	MG	B	3071	1/1	0.85	0.14	58,58,58,58	0
56	MG	GB	3087	1/1	0.85	0.22	75,75,75,75	0
56	MG	B	3423	1/1	0.85	0.30	43,43,43,43	0
56	MG	B	3355	1/1	0.85	0.21	55,55,55,55	0
56	MG	MB	206	1/1	0.85	0.22	127,127,127,127	0
56	MG	B	3138	1/1	0.85	0.19	63,63,63,63	0
56	MG	A	1886	1/1	0.85	0.38	78,78,78,78	0
56	MG	X	102	1/1	0.85	0.17	50,50,50,50	0
56	MG	NB	203	1/1	0.85	0.40	92,92,92,92	0
56	MG	B	3302	1/1	0.85	0.48	54,54,54,54	0
56	MG	A	1618	1/1	0.85	0.34	80,80,80,80	0
56	MG	QB	201	1/1	0.85	0.34	73,73,73,73	0
56	MG	B	3230	1/1	0.85	0.35	59,59,59,59	0
56	MG	B	3004	1/1	0.85	0.45	43,43,43,43	0
56	MG	A	1612	1/1	0.85	0.36	54,54,54,54	0
56	MG	B	3165	1/1	0.85	0.15	46,46,46,46	0
56	MG	A	1637	1/1	0.85	0.35	67,67,67,67	0
56	MG	B	3014	1/1	0.85	0.25	56,56,56,56	0
56	MG	B	3691	1/1	0.85	0.27	92,92,92,92	0
56	MG	A	1667	1/1	0.85	0.63	82,82,82,82	0
56	MG	B	3382	1/1	0.85	0.22	54,54,54,54	0
56	MG	B	3605	1/1	0.85	0.94	57,57,57,57	0
56	MG	XA	102	1/1	0.85	0.12	88,88,88,88	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	EA	101	1/1	0.85	0.57	45,45,45,45	0
56	MG	A	1629	1/1	0.85	0.53	67,67,67,67	0
56	MG	FB	1842	1/1	0.85	0.33	73,73,73,73	0
56	MG	A	1716	1/1	0.85	0.20	78,78,78,78	0
56	MG	YB	201	1/1	0.85	0.41	72,72,72,72	0
56	MG	FB	1844	1/1	0.85	0.55	81,81,81,81	0
56	MG	GB	3461	1/1	0.85	0.35	76,76,76,76	0
56	MG	GB	3636	1/1	0.85	0.49	75,75,75,75	0
56	MG	GB	3151	1/1	0.85	0.14	70,70,70,70	0
56	MG	GB	3310	1/1	0.85	0.38	69,69,69,69	0
56	MG	B	3612	1/1	0.85	0.39	59,59,59,59	0
56	MG	IA	101	1/1	0.85	0.08	67,67,67,67	0
56	MG	FB	1854	1/1	0.85	0.15	86,86,86,86	0
56	MG	F	312	1/1	0.85	0.09	77,77,77,77	0
56	MG	GB	2955	1/1	0.85	0.24	69,69,69,69	0
56	MG	A	1806	1/1	0.85	0.44	56,56,56,56	0
56	MG	B	3191	1/1	0.85	0.12	59,59,59,59	0
56	MG	A	1630	1/1	0.85	0.21	88,88,88,88	0
56	MG	B	3623	1/1	0.85	0.19	64,64,64,64	0
56	MG	B	3625	1/1	0.85	0.19	58,58,58,58	0
56	MG	MC	101	1/1	0.85	0.36	94,94,94,94	0
56	MG	GB	2971	1/1	0.85	0.25	93,93,93,93	0
56	MG	FB	1869	1/1	0.85	0.30	109,109,109,109	0
56	MG	NC	111	1/1	0.85	0.18	87,87,87,87	0
56	MG	B	3279	1/1	0.85	0.20	75,75,75,75	0
56	MG	B	3628	1/1	0.85	0.35	61,61,61,61	0
56	MG	GB	2994	1/1	0.85	0.53	74,74,74,74	0
56	MG	B	3283	1/1	0.85	0.37	92,92,92,92	0
56	MG	GB	3192	1/1	0.85	0.22	49,49,49,49	0
56	MG	B	3116	1/1	0.85	0.39	49,49,49,49	0
56	MG	OC	405	1/1	0.85	0.25	91,91,91,91	0
56	MG	B	3555	1/1	0.85	0.28	54,54,54,54	0
56	MG	A	1623	1/1	0.85	0.52	67,67,67,67	0
56	MG	FB	1765	1/1	0.85	0.45	77,77,77,77	0
56	MG	GB	3009	1/1	0.85	0.28	62,62,62,62	0
56	MG	GB	3513	1/1	0.85	0.28	49,49,49,49	0
56	MG	GB	3202	1/1	0.85	0.39	101,101,101,101	0
56	MG	FB	1883	1/1	0.85	0.18	70,70,70,70	0
56	MG	A	1605	1/1	0.85	0.32	67,67,67,67	0
56	MG	GB	3691	1/1	0.85	0.44	71,71,71,71	0
56	MG	FB	1636	1/1	0.85	0.58	98,98,98,98	0
56	MG	GB	3523	1/1	0.85	0.42	61,61,61,61	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	GB	3211	1/1	0.85	0.22	61,61,61,61	0
56	MG	B	3638	1/1	0.85	0.21	61,61,61,61	0
56	MG	B	3131	1/1	0.85	0.30	57,57,57,57	0
56	MG	C	208	1/1	0.85	0.12	81,81,81,81	0
56	MG	B	3490	1/1	0.85	0.29	44,44,44,44	0
56	MG	GB	3703	1/1	0.85	0.23	70,70,70,70	0
56	MG	B	3347	1/1	0.85	0.19	54,54,54,54	0
56	MG	P	201	1/1	0.85	0.13	82,82,82,82	0
56	MG	WC	201	1/1	0.85	0.21	121,121,121,121	0
56	MG	P	202	1/1	0.85	0.19	94,94,94,94	0
56	MG	FB	1650	1/1	0.85	0.62	66,66,66,66	0
56	MG	XC	202	1/1	0.85	0.32	113,113,113,113	0
56	MG	YC	201	1/1	0.85	0.53	68,68,68,68	0
56	MG	B	3659	1/1	0.85	0.27	52,52,52,52	0
56	MG	FB	1652	1/1	0.85	0.80	70,70,70,70	0
56	MG	B	3745	1/1	0.85	0.42	56,56,56,56	0
56	MG	GB	3058	1/1	0.85	0.24	49,49,49,49	0
56	MG	FB	1656	1/1	0.85	0.54	70,70,70,70	0
56	MG	B	3494	1/1	0.85	0.20	70,70,70,70	0
56	MG	C	216	1/1	0.85	0.18	80,80,80,80	0
56	MG	A	1735	1/1	0.85	0.44	69,69,69,69	0
56	MG	B	3749	1/1	0.85	0.34	130,130,130,130	0
56	MG	OA	203	1/1	0.85	0.20	62,62,62,62	0
56	MG	A	1723	1/1	0.86	0.59	79,79,79,79	0
56	MG	B	3205	1/1	0.86	0.73	68,68,68,68	0
56	MG	GB	3577	1/1	0.86	0.18	91,91,91,91	0
56	MG	B	3478	1/1	0.86	0.23	50,50,50,50	0
56	MG	FB	1601	1/1	0.86	0.34	88,88,88,88	0
56	MG	GB	3264	1/1	0.86	0.13	71,71,71,71	0
56	MG	GB	3584	1/1	0.86	0.08	71,71,71,71	0
56	MG	I	202	1/1	0.86	0.21	70,70,70,70	0
56	MG	JB	309	1/1	0.86	0.15	69,69,69,69	0
56	MG	GB	2908	1/1	0.86	0.76	44,44,44,44	0
56	MG	A	1783	1/1	0.86	0.09	111,111,111,111	0
56	MG	A	1828	1/1	0.86	0.19	106,106,106,106	0
56	MG	FB	1839	1/1	0.86	0.35	78,78,78,78	0
56	MG	KB	304	1/1	0.86	0.27	82,82,82,82	0
56	MG	FB	1840	1/1	0.86	0.10	110,110,110,110	0
56	MG	B	3492	1/1	0.86	0.17	75,75,75,75	0
56	MG	MB	201	1/1	0.86	0.31	111,111,111,111	0
56	MG	A	1873	1/1	0.86	0.60	80,80,80,80	0
56	MG	GB	3127	1/1	0.86	0.12	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	B	3157	1/1	0.86	0.32	44,44,44,44	0
56	MG	GB	3134	1/1	0.86	0.97	61,61,61,61	0
56	MG	GB	2939	1/1	0.86	0.47	64,64,64,64	0
56	MG	B	3836	1/1	0.86	0.26	46,46,46,46	0
56	MG	FB	1743	1/1	0.86	0.26	84,84,84,84	0
56	MG	FB	1849	1/1	0.86	0.35	65,65,65,65	0
56	MG	FB	1852	1/1	0.86	0.98	76,76,76,76	0
56	MG	B	3293	1/1	0.86	0.11	82,82,82,82	0
56	MG	GB	3147	1/1	0.86	0.61	54,54,54,54	0
56	MG	GB	3608	1/1	0.86	0.22	68,68,68,68	0
56	MG	JA	403	1/1	0.86	0.38	47,47,47,47	0
56	MG	GB	3301	1/1	0.86	0.45	55,55,55,55	0
56	MG	FB	1859	1/1	0.86	1.01	83,83,83,83	0
56	MG	GB	2957	1/1	0.86	0.59	51,51,51,51	0
56	MG	K	208	1/1	0.86	0.23	71,71,71,71	0
56	MG	SB	201	1/1	0.86	0.30	77,77,77,77	0
56	MG	B	3295	1/1	0.86	0.27	55,55,55,55	0
56	MG	SB	204	1/1	0.86	0.29	81,81,81,81	0
56	MG	C	207	1/1	0.86	0.40	57,57,57,57	0
56	MG	GB	3166	1/1	0.86	0.60	52,52,52,52	0
56	MG	B	3665	1/1	0.86	0.15	56,56,56,56	0
56	MG	B	3160	1/1	0.86	0.36	60,60,60,60	0
56	MG	JA	413	1/1	0.86	0.20	97,97,97,97	0
56	MG	GB	2974	1/1	0.86	0.51	49,49,49,49	0
56	MG	B	3162	1/1	0.86	0.68	43,43,43,43	0
56	MG	GB	2982	1/1	0.86	0.31	67,67,67,67	0
56	MG	XB	203	1/1	0.86	0.15	79,79,79,79	0
56	MG	FB	1763	1/1	0.86	0.22	67,67,67,67	0
56	MG	O	203	1/1	0.86	0.19	65,65,65,65	0
56	MG	GB	3645	1/1	0.86	0.27	71,71,71,71	0
56	MG	B	3586	1/1	0.86	0.14	116,116,116,116	0
56	MG	B	3748	1/1	0.86	1.36	65,65,65,65	0
56	MG	LA	301	1/1	0.86	0.66	109,109,109,109	0
56	MG	B	3041	1/1	0.86	0.22	39,39,39,39	0
56	MG	GB	3005	1/1	0.86	0.23	61,61,61,61	0
56	MG	B	3105	1/1	0.86	0.28	78,78,78,78	0
56	MG	GB	3195	1/1	0.86	0.37	52,52,52,52	0
56	MG	Q	204	1/1	0.86	0.17	74,74,74,74	0
56	MG	A	1707	1/1	0.86	0.34	79,79,79,79	0
56	MG	B	3110	1/1	0.86	0.45	48,48,48,48	0
56	MG	DC	102	1/1	0.86	0.26	78,78,78,78	0
56	MG	B	2917	1/1	0.86	0.65	46,46,46,46	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	GB	3502	1/1	0.86	0.44	53,53,53,53	0
56	MG	B	3064	1/1	0.86	0.13	52,52,52,52	0
56	MG	GB	3508	1/1	0.86	0.49	78,78,78,78	0
56	MG	A	1651	1/1	0.86	0.36	97,97,97,97	0
56	MG	B	3372	1/1	0.86	0.34	40,40,40,40	0
56	MG	NC	104	1/1	0.86	0.16	93,93,93,93	0
56	MG	W	302	1/1	0.86	0.08	70,70,70,70	0
56	MG	GB	3514	1/1	0.86	0.34	67,67,67,67	0
56	MG	B	3264	1/1	0.86	0.10	70,70,70,70	0
56	MG	NC	113	1/1	0.86	0.32	80,80,80,80	0
56	MG	GB	3684	1/1	0.86	0.26	66,66,66,66	0
56	MG	FB	1675	1/1	0.86	0.16	72,72,72,72	0
56	MG	A	1665	1/1	0.86	0.35	66,66,66,66	0
56	MG	B	3010	1/1	0.86	0.42	77,77,77,77	0
56	MG	GB	3039	1/1	0.86	0.53	52,52,52,52	0
56	MG	GB	3371	1/1	0.86	0.25	56,56,56,56	0
56	MG	A	1693	1/1	0.86	0.46	79,79,79,79	0
56	MG	C	239	1/1	0.86	0.16	87,87,87,87	0
56	MG	B	3322	1/1	0.86	0.30	46,46,46,46	0
56	MG	GB	3694	1/1	0.86	0.47	61,61,61,61	0
56	MG	GB	3695	1/1	0.86	0.40	75,75,75,75	0
56	MG	FB	1916	1/1	0.86	0.54	73,73,73,73	0
56	MG	B	3696	1/1	0.86	0.21	52,52,52,52	0
56	MG	FB	1687	1/1	0.86	0.28	109,109,109,109	0
56	MG	FB	1797	1/1	0.86	0.38	81,81,81,81	0
56	MG	B	3613	1/1	0.86	0.13	55,55,55,55	0
56	MG	GB	3535	1/1	0.86	0.21	83,83,83,83	0
56	MG	A	1836	1/1	0.86	0.34	105,105,105,105	0
56	MG	GB	3541	1/1	0.86	0.22	64,64,64,64	0
56	MG	B	3456	1/1	0.86	0.28	50,50,50,50	0
56	MG	B	3277	1/1	0.86	0.29	51,51,51,51	0
56	MG	A	1655	1/1	0.86	0.19	66,66,66,66	0
56	MG	HB	205	1/1	0.86	0.28	74,74,74,74	0
56	MG	SC	207	1/1	0.86	0.36	85,85,85,85	0
56	MG	GB	3386	1/1	0.86	0.46	76,76,76,76	0
56	MG	HB	209	1/1	0.86	0.33	81,81,81,81	0
56	MG	UC	202	1/1	0.86	0.20	105,105,105,105	0
56	MG	GB	3080	1/1	0.86	0.39	58,58,58,58	0
56	MG	FB	1814	1/1	0.86	0.26	78,78,78,78	0
56	MG	B	3392	1/1	0.86	0.07	78,78,78,78	0
56	MG	B	3799	1/1	0.86	0.37	89,89,89,89	0
56	MG	B	3801	1/1	0.86	0.16	74,74,74,74	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	GB	3558	1/1	0.86	0.33	98,98,98,98	0
56	MG	GB	3246	1/1	0.86	0.10	79,79,79,79	0
56	MG	B	3396	1/1	0.86	0.37	49,49,49,49	0
56	MG	HB	225	1/1	0.86	0.38	96,96,96,96	0
56	MG	GB	3248	1/1	0.86	0.34	60,60,60,60	0
56	MG	FB	1711	1/1	0.86	0.34	69,69,69,69	0
56	MG	B	3710	1/1	0.86	0.54	69,69,69,69	0
56	MG	B	3280	1/1	0.86	0.42	87,87,87,87	0
56	MG	B	3281	1/1	0.86	0.29	53,53,53,53	0
56	MG	B	3472	1/1	0.86	0.21	55,55,55,55	0
56	MG	GB	3019	1/1	0.87	0.93	49,49,49,49	0
56	MG	GB	3620	1/1	0.87	0.44	69,69,69,69	0
56	MG	A	1681	1/1	0.87	0.24	69,69,69,69	0
56	MG	FB	1800	1/1	0.87	0.39	92,92,92,92	0
56	MG	FB	1701	1/1	0.87	0.31	68,68,68,68	0
56	MG	B	3316	1/1	0.87	0.36	35,35,35,35	0
56	MG	K	202	1/1	0.87	0.07	63,63,63,63	0
56	MG	C	203	1/1	0.87	0.16	79,79,79,79	0
56	MG	FB	1708	1/1	0.87	0.21	73,73,73,73	0
56	MG	FB	1811	1/1	0.87	0.16	143,143,143,143	0
56	MG	GB	3486	1/1	0.87	0.19	68,68,68,68	0
56	MG	FB	1813	1/1	0.87	0.16	69,69,69,69	0
56	MG	A	1632	1/1	0.87	0.25	65,65,65,65	0
56	MG	A	1752	1/1	0.87	0.14	67,67,67,67	0
56	MG	GB	3042	1/1	0.87	0.25	54,54,54,54	0
56	MG	GB	3047	1/1	0.87	0.25	59,59,59,59	0
56	MG	A	1728	1/1	0.87	0.18	61,61,61,61	0
56	MG	FB	1602	1/1	0.87	0.41	66,66,66,66	0
56	MG	GB	3052	1/1	0.87	0.74	55,55,55,55	0
56	MG	FB	1603	1/1	0.87	0.86	60,60,60,60	0
56	MG	FB	1719	1/1	0.87	0.33	67,67,67,67	0
56	MG	B	2967	1/1	0.87	0.36	53,53,53,53	0
56	MG	B	3221	1/1	0.87	0.24	53,53,53,53	0
56	MG	JA	401	1/1	0.87	0.28	52,52,52,52	0
56	MG	B	3441	1/1	0.87	0.22	49,49,49,49	0
56	MG	B	3516	1/1	0.87	0.17	57,57,57,57	0
56	MG	B	3327	1/1	0.87	0.15	43,43,43,43	0
56	MG	B	2973	1/1	0.87	0.18	41,41,41,41	0
56	MG	JA	410	1/1	0.87	0.10	96,96,96,96	0
56	MG	B	3449	1/1	0.87	0.34	46,46,46,46	0
56	MG	C	224	1/1	0.87	0.16	74,74,74,74	0
56	MG	B	3331	1/1	0.87	0.40	49,49,49,49	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	FB	1838	1/1	0.87	0.38	76,76,76,76	0
56	MG	FB	1947	1/1	0.87	0.77	73,73,73,73	0
56	MG	A	1730	1/1	0.87	0.21	81,81,81,81	0
56	MG	B	3034	1/1	0.87	0.42	55,55,55,55	0
56	MG	B	2986	1/1	0.87	0.41	37,37,37,37	0
56	MG	BC	304	1/1	0.87	0.22	91,91,91,91	0
56	MG	B	3533	1/1	0.87	0.23	60,60,60,60	0
56	MG	B	3395	1/1	0.87	0.59	58,58,58,58	0
56	MG	A	1652	1/1	0.87	0.14	70,70,70,70	0
56	MG	GB	2926	1/1	0.87	0.23	69,69,69,69	0
56	MG	B	3292	1/1	0.87	0.21	50,50,50,50	0
56	MG	FB	1642	1/1	0.87	0.65	104,104,104,104	0
56	MG	GB	3542	1/1	0.87	0.20	112,112,112,112	0
56	MG	B	3050	1/1	0.87	0.22	42,42,42,42	0
56	MG	KC	102	1/1	0.87	0.37	61,61,61,61	0
56	MG	GB	2936	1/1	0.87	0.45	54,54,54,54	0
56	MG	GB	3253	1/1	0.87	0.10	76,76,76,76	0
56	MG	GB	3115	1/1	0.87	0.48	61,61,61,61	0
56	MG	B	3238	1/1	0.87	0.19	44,44,44,44	0
56	MG	FB	1855	1/1	0.87	0.29	68,68,68,68	0
56	MG	NC	105	1/1	0.87	0.19	94,94,94,94	0
56	MG	FB	1761	1/1	0.87	0.23	72,72,72,72	0
56	MG	NC	108	1/1	0.87	0.67	81,81,81,81	0
56	MG	B	3553	1/1	0.87	0.13	59,59,59,59	0
56	MG	GB	3704	1/1	0.87	1.02	86,86,86,86	0
56	MG	A	1744	1/1	0.87	0.21	87,87,87,87	0
56	MG	A	1659	1/1	0.87	0.21	87,87,87,87	0
56	MG	W	306	1/1	0.87	0.19	77,77,77,77	0
56	MG	GB	3413	1/1	0.87	0.62	58,58,58,58	0
56	MG	GB	3129	1/1	0.87	0.28	65,65,65,65	0
56	MG	B	3798	1/1	0.87	0.47	157,157,157,157	0
56	MG	HB	206	1/1	0.87	0.20	118,118,118,118	0
56	MG	B	3557	1/1	0.87	0.26	47,47,47,47	0
56	MG	B	3062	1/1	0.87	0.28	40,40,40,40	0
56	MG	GB	3277	1/1	0.87	0.24	54,54,54,54	0
56	MG	B	3127	1/1	0.87	0.14	55,55,55,55	0
56	MG	B	3303	1/1	0.87	0.23	41,41,41,41	0
56	MG	FB	1665	1/1	0.87	0.73	70,70,70,70	0
56	MG	B	3719	1/1	0.87	0.21	79,79,79,79	0
56	MG	B	3356	1/1	0.87	0.20	50,50,50,50	0
56	MG	FB	1777	1/1	0.87	0.29	97,97,97,97	0
56	MG	HB	220	1/1	0.87	0.28	92,92,92,92	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	GB	3435	1/1	0.87	0.35	53,53,53,53	0
56	MG	GB	3437	1/1	0.87	0.16	70,70,70,70	0
56	MG	SC	201	1/1	0.87	0.55	70,70,70,70	0
56	MG	FB	1672	1/1	0.87	0.35	60,60,60,60	0
56	MG	A	1687	1/1	0.87	0.19	84,84,84,84	0
56	MG	B	3192	1/1	0.87	0.21	58,58,58,58	0
56	MG	GB	2986	1/1	0.87	0.73	49,49,49,49	0
56	MG	GB	3159	1/1	0.87	0.38	81,81,81,81	0
56	MG	B	3644	1/1	0.87	0.17	146,146,146,146	0
56	MG	B	2935	1/1	0.87	0.55	44,44,44,44	0
56	MG	GB	3165	1/1	0.87	0.22	66,66,66,66	0
56	MG	G	3208	1/1	0.87	0.40	58,58,58,58	0
56	MG	VC	202	1/1	0.87	0.27	75,75,75,75	0
56	MG	B	3006	1/1	0.87	0.22	53,53,53,53	0
56	MG	GB	3307	1/1	0.87	0.38	51,51,51,51	0
56	MG	GB	3003	1/1	0.87	0.32	55,55,55,55	0
56	MG	B	3363	1/1	0.87	0.42	44,44,44,44	0
56	MG	H	202	1/1	0.87	0.35	89,89,89,89	0
56	MG	GB	3458	1/1	0.87	0.19	95,95,95,95	0
56	MG	GB	3179	1/1	0.87	0.24	69,69,69,69	0
56	MG	GB	3605	1/1	0.87	0.37	61,61,61,61	0
56	MG	B	3577	1/1	0.87	0.32	66,66,66,66	0
56	MG	B	3662	1/1	0.87	0.35	65,65,65,65	0
56	MG	B	2947	1/1	0.87	1.02	40,40,40,40	0
56	MG	LB	301	1/1	0.87	0.23	60,60,60,60	0
56	MG	B	3742	1/1	0.87	0.70	54,54,54,54	0
56	MG	GB	3016	1/1	0.87	0.50	76,76,76,76	0
56	MG	GB	3616	1/1	0.87	0.27	81,81,81,81	0
57	ZN	GC	101	1/1	0.87	0.22	149,149,149,149	0
56	MG	W	307	1/1	0.88	0.16	87,87,87,87	0
56	MG	GB	3359	1/1	0.88	0.45	77,77,77,77	0
56	MG	B	3574	1/1	0.88	0.30	117,117,117,117	0
56	MG	GB	3547	1/1	0.88	0.53	67,67,67,67	0
56	MG	A	1757	1/1	0.88	0.10	118,118,118,118	0
56	MG	B	3078	1/1	0.88	0.44	43,43,43,43	0
56	MG	FB	1866	1/1	0.88	0.13	94,94,94,94	0
56	MG	FB	1737	1/1	0.88	0.46	61,61,61,61	0
56	MG	FB	1739	1/1	0.88	0.66	70,70,70,70	0
56	MG	FB	1740	1/1	0.88	0.38	96,96,96,96	0
56	MG	C	232	1/1	0.88	0.27	82,82,82,82	0
56	MG	B	3231	1/1	0.88	0.46	47,47,47,47	0
56	MG	GB	3204	1/1	0.88	0.28	53,53,53,53	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	GB	3205	1/1	0.88	0.15	71,71,71,71	0
56	MG	B	3767	1/1	0.88	0.14	60,60,60,60	0
56	MG	B	3015	1/1	0.88	0.16	49,49,49,49	0
56	MG	FB	1875	1/1	0.88	0.21	72,72,72,72	0
56	MG	GB	3210	1/1	0.88	0.15	77,77,77,77	0
56	MG	B	3234	1/1	0.88	0.37	51,51,51,51	0
56	MG	Z	103	1/1	0.88	0.08	74,74,74,74	0
56	MG	GB	3573	1/1	0.88	0.16	69,69,69,69	0
56	MG	GB	3215	1/1	0.88	0.43	55,55,55,55	0
56	MG	GB	3024	1/1	0.88	0.34	57,57,57,57	0
56	MG	A	1841	1/1	0.88	0.18	67,67,67,67	0
56	MG	B	3504	1/1	0.88	0.23	45,45,45,45	0
56	MG	C	241	1/1	0.88	0.12	81,81,81,81	0
56	MG	C	244	1/1	0.88	0.40	65,65,65,65	0
56	MG	FB	1758	1/1	0.88	0.35	129,129,129,129	0
56	MG	B	3778	1/1	0.88	0.15	67,67,67,67	0
56	MG	FB	1893	1/1	0.88	0.54	86,86,86,86	0
56	MG	CA	102	1/1	0.88	0.31	52,52,52,52	0
56	MG	DA	102	1/1	0.88	0.12	62,62,62,62	0
56	MG	FB	1897	1/1	0.88	0.22	67,67,67,67	0
56	MG	OB	201	1/1	0.88	0.10	102,102,102,102	0
56	MG	GB	3591	1/1	0.88	0.25	71,71,71,71	0
56	MG	PB	201	1/1	0.88	0.17	93,93,93,93	0
56	MG	A	1871	1/1	0.88	0.26	85,85,85,85	0
56	MG	GB	3407	1/1	0.88	0.24	54,54,54,54	0
56	MG	B	3508	1/1	0.88	0.12	65,65,65,65	0
56	MG	E	304	1/1	0.88	0.21	55,55,55,55	0
56	MG	B	3683	1/1	0.88	0.25	52,52,52,52	0
56	MG	B	3019	1/1	0.88	0.33	51,51,51,51	0
56	MG	A	1670	1/1	0.88	0.23	122,122,122,122	0
56	MG	B	3027	1/1	0.88	0.59	42,42,42,42	0
56	MG	A	1691	1/1	0.88	0.36	61,61,61,61	0
56	MG	IA	106	1/1	0.88	0.14	82,82,82,82	0
56	MG	A	1649	1/1	0.88	0.42	101,101,101,101	0
56	MG	TB	203	1/1	0.88	0.33	66,66,66,66	0
56	MG	B	3518	1/1	0.88	0.21	56,56,56,56	0
56	MG	A	1694	1/1	0.88	0.36	90,90,90,90	0
56	MG	B	3797	1/1	0.88	0.23	60,60,60,60	0
56	MG	A	1796	1/1	0.88	0.62	61,61,61,61	0
56	MG	FB	1784	1/1	0.88	0.23	60,60,60,60	0
56	MG	VB	205	1/1	0.88	0.49	70,70,70,70	0
56	MG	VB	207	1/1	0.88	0.61	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	B	3266	1/1	0.88	0.21	54,54,54,54	0
56	MG	GB	3615	1/1	0.88	0.46	76,76,76,76	0
56	MG	XB	202	1/1	0.88	0.06	76,76,76,76	0
56	MG	B	3448	1/1	0.88	0.27	58,58,58,58	0
56	MG	GB	3431	1/1	0.88	0.24	76,76,76,76	0
56	MG	GB	3432	1/1	0.88	0.91	49,49,49,49	0
56	MG	B	3803	1/1	0.88	0.18	58,58,58,58	0
56	MG	YB	204	1/1	0.88	0.14	78,78,78,78	0
56	MG	B	3048	1/1	0.88	0.34	45,45,45,45	0
56	MG	H	201	1/1	0.88	0.20	79,79,79,79	0
56	MG	B	3529	1/1	0.88	0.33	43,43,43,43	0
56	MG	GB	3260	1/1	0.88	0.18	59,59,59,59	0
56	MG	GB	3093	1/1	0.88	0.31	58,58,58,58	0
56	MG	B	3452	1/1	0.88	0.44	82,82,82,82	0
56	MG	GB	3634	1/1	0.88	0.33	63,63,63,63	0
56	MG	GB	3263	1/1	0.88	0.24	77,77,77,77	0
56	MG	B	3810	1/1	0.88	0.42	59,59,59,59	0
56	MG	I	204	1/1	0.88	0.45	68,68,68,68	0
56	MG	FB	1667	1/1	0.88	0.51	65,65,65,65	0
56	MG	GB	3104	1/1	0.88	0.23	65,65,65,65	0
56	MG	EC	101	1/1	0.88	0.10	95,95,95,95	0
56	MG	EC	102	1/1	0.88	0.37	91,91,91,91	0
56	MG	EC	103	1/1	0.88	0.09	90,90,90,90	0
56	MG	GB	3105	1/1	0.88	0.32	73,73,73,73	0
56	MG	GB	3451	1/1	0.88	0.23	79,79,79,79	0
56	MG	KC	101	1/1	0.88	0.28	58,58,58,58	0
56	MG	GB	3646	1/1	0.88	0.14	75,75,75,75	0
56	MG	B	3271	1/1	0.88	0.12	68,68,68,68	0
56	MG	KC	104	1/1	0.88	0.40	60,60,60,60	0
56	MG	B	3618	1/1	0.88	0.59	43,43,43,43	0
56	MG	FB	1670	1/1	0.88	0.53	74,74,74,74	0
56	MG	B	2945	1/1	0.88	0.17	47,47,47,47	0
56	MG	GB	3280	1/1	0.88	0.16	84,84,84,84	0
56	MG	B	3817	1/1	0.88	0.21	46,46,46,46	0
56	MG	B	3388	1/1	0.88	0.27	55,55,55,55	0
56	MG	FB	1678	1/1	0.88	0.19	70,70,70,70	0
56	MG	B	3624	1/1	0.88	0.67	66,66,66,66	0
56	MG	B	3001	1/1	0.88	0.45	37,37,37,37	0
56	MG	B	3626	1/1	0.88	0.22	54,54,54,54	0
56	MG	GB	2914	1/1	0.88	0.49	58,58,58,58	0
56	MG	B	3124	1/1	0.88	0.19	44,44,44,44	0
56	MG	B	3547	1/1	0.88	0.14	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	GB	3297	1/1	0.88	0.31	67,67,67,67	0
56	MG	B	3832	1/1	0.88	0.16	59,59,59,59	0
56	MG	B	3125	1/1	0.88	0.19	60,60,60,60	0
56	MG	B	3054	1/1	0.88	0.19	58,58,58,58	0
56	MG	FB	1691	1/1	0.88	0.54	74,74,74,74	0
56	MG	B	3838	1/1	0.88	0.09	54,54,54,54	0
56	MG	B	3129	1/1	0.88	0.20	54,54,54,54	0
56	MG	A	1657	1/1	0.88	0.58	90,90,90,90	0
56	MG	B	3844	1/1	0.88	0.31	53,53,53,53	0
56	MG	GB	3309	1/1	0.88	0.40	57,57,57,57	0
56	MG	GB	3491	1/1	0.88	0.48	55,55,55,55	0
56	MG	B	2949	1/1	0.88	0.11	45,45,45,45	0
56	MG	B	3735	1/1	0.88	0.25	71,71,71,71	0
56	MG	GB	3313	1/1	0.88	0.30	56,56,56,56	0
56	MG	GB	3149	1/1	0.88	0.47	58,58,58,58	0
56	MG	GB	3316	1/1	0.88	0.29	73,73,73,73	0
56	MG	GB	3150	1/1	0.88	0.20	46,46,46,46	0
56	MG	Q	203	1/1	0.88	0.08	78,78,78,78	0
56	MG	GB	3509	1/1	0.88	0.40	75,75,75,75	0
56	MG	A	1683	1/1	0.88	0.81	80,80,80,80	0
56	MG	B	2960	1/1	0.88	0.18	47,47,47,47	0
56	MG	B	2961	1/1	0.88	0.38	38,38,38,38	0
56	MG	S	201	1/1	0.88	0.21	63,63,63,63	0
56	MG	GB	3161	1/1	0.88	0.56	73,73,73,73	0
56	MG	FB	1714	1/1	0.88	0.20	66,66,66,66	0
56	MG	S	202	1/1	0.88	0.14	63,63,63,63	0
56	MG	GB	2959	1/1	0.88	0.70	56,56,56,56	0
56	MG	B	3645	1/1	0.88	0.33	70,70,70,70	0
56	MG	A	1607	1/1	0.88	0.29	76,76,76,76	0
56	MG	B	3345	1/1	0.88	0.94	72,72,72,72	0
56	MG	B	3657	1/1	0.88	0.35	45,45,45,45	0
56	MG	GB	3173	1/1	0.88	0.26	80,80,80,80	0
56	MG	C	217	1/1	0.88	0.42	60,60,60,60	0
56	MG	GB	3529	1/1	0.88	0.20	107,107,107,107	0
56	MG	FB	1723	1/1	0.88	0.30	86,86,86,86	0
56	MG	B	3146	1/1	0.88	0.29	48,48,48,48	0
56	MG	B	3227	1/1	0.88	0.25	44,44,44,44	0
56	MG	GB	2983	1/1	0.88	0.31	69,69,69,69	0
56	MG	GB	3349	1/1	0.88	0.52	51,51,51,51	0
56	MG	B	3294	1/1	0.88	0.32	75,75,75,75	0
56	MG	GB	3539	1/1	0.88	0.20	68,68,68,68	0
56	MG	B	3495	1/1	0.88	0.22	46,46,46,46	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	JB	312	1/1	0.89	0.26	62,62,62,62	0
56	MG	B	3805	1/1	0.89	0.34	54,54,54,54	0
56	MG	A	1762	1/1	0.89	0.42	93,93,93,93	0
56	MG	IA	115	1/1	0.89	0.19	73,73,73,73	0
56	MG	G	3209	1/1	0.89	0.59	48,48,48,48	0
56	MG	GB	3583	1/1	0.89	0.34	68,68,68,68	0
56	MG	B	3140	1/1	0.89	0.25	54,54,54,54	0
56	MG	B	3808	1/1	0.89	0.19	50,50,50,50	0
56	MG	A	1850	1/1	0.89	0.25	117,117,117,117	0
56	MG	FB	1655	1/1	0.89	0.36	63,63,63,63	0
56	MG	B	3607	1/1	0.89	0.13	59,59,59,59	0
56	MG	B	3704	1/1	0.89	0.33	69,69,69,69	0
56	MG	FB	1926	1/1	0.89	0.34	85,85,85,85	0
56	MG	A	1748	1/1	0.89	0.76	76,76,76,76	0
56	MG	B	3609	1/1	0.89	0.20	44,44,44,44	0
56	MG	A	1729	1/1	0.89	0.44	63,63,63,63	0
56	MG	B	3519	1/1	0.89	1.08	50,50,50,50	0
56	MG	GB	3254	1/1	0.89	0.15	62,62,62,62	0
56	MG	B	3035	1/1	0.89	0.14	63,63,63,63	0
56	MG	J	201	1/1	0.89	0.15	84,84,84,84	0
56	MG	GB	3090	1/1	0.89	0.52	67,67,67,67	0
56	MG	FB	1671	1/1	0.89	0.59	87,87,87,87	0
56	MG	B	3156	1/1	0.89	0.21	50,50,50,50	0
56	MG	GB	3096	1/1	0.89	0.33	56,56,56,56	0
56	MG	B	3036	1/1	0.89	0.62	45,45,45,45	0
56	MG	B	3620	1/1	0.89	0.22	50,50,50,50	0
56	MG	K	205	1/1	0.89	0.25	56,56,56,56	0
56	MG	B	2994	1/1	0.89	0.42	58,58,58,58	0
56	MG	GB	3267	1/1	0.89	0.23	74,74,74,74	0
56	MG	B	3828	1/1	0.89	0.42	66,66,66,66	0
56	MG	GB	3613	1/1	0.89	0.35	57,57,57,57	0
56	MG	B	3444	1/1	0.89	0.22	52,52,52,52	0
56	MG	GB	3272	1/1	0.89	0.30	62,62,62,62	0
56	MG	FB	1944	1/1	0.89	0.17	78,78,78,78	0
56	MG	A	1872	1/1	0.89	0.29	111,111,111,111	0
56	MG	B	3163	1/1	0.89	0.28	49,49,49,49	0
56	MG	M	204	1/1	0.89	0.11	69,69,69,69	0
56	MG	B	2940	1/1	0.89	0.51	33,33,33,33	0
56	MG	FB	1819	1/1	0.89	0.32	71,71,71,71	0
56	MG	GB	3629	1/1	0.89	0.42	57,57,57,57	0
56	MG	FB	1689	1/1	0.89	0.61	66,66,66,66	0
56	MG	GB	3121	1/1	0.89	0.48	62,62,62,62	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	B	3241	1/1	0.89	0.12	77,77,77,77	0
56	MG	XB	201	1/1	0.89	0.36	55,55,55,55	0
56	MG	GB	3633	1/1	0.89	0.16	74,74,74,74	0
56	MG	B	3841	1/1	0.89	1.28	73,73,73,73	0
56	MG	B	3242	1/1	0.89	0.26	49,49,49,49	0
56	MG	B	3540	1/1	0.89	0.09	85,85,85,85	0
56	MG	GB	2927	1/1	0.89	0.35	62,62,62,62	0
56	MG	OA	202	1/1	0.89	0.12	78,78,78,78	0
56	MG	GB	3130	1/1	0.89	0.26	60,60,60,60	0
56	MG	C	201	1/1	0.89	0.34	67,67,67,67	0
56	MG	A	1624	1/1	0.89	0.34	63,63,63,63	0
56	MG	BC	301	1/1	0.89	0.23	85,85,85,85	0
56	MG	GB	3135	1/1	0.89	0.30	61,61,61,61	0
56	MG	GB	3473	1/1	0.89	0.68	76,76,76,76	0
56	MG	FB	1831	1/1	0.89	0.29	81,81,81,81	0
56	MG	B	3172	1/1	0.89	0.16	59,59,59,59	0
56	MG	A	1854	1/1	0.89	0.19	75,75,75,75	0
56	MG	GB	2941	1/1	0.89	0.61	53,53,53,53	0
56	MG	GB	3480	1/1	0.89	0.40	70,70,70,70	0
56	MG	GB	2942	1/1	0.89	0.60	54,54,54,54	0
56	MG	B	3113	1/1	0.89	0.17	65,65,65,65	0
56	MG	A	1754	1/1	0.89	0.35	90,90,90,90	0
56	MG	FB	1710	1/1	0.89	0.26	67,67,67,67	0
56	MG	C	211	1/1	0.89	0.27	83,83,83,83	0
56	MG	EC	104	1/1	0.89	0.17	79,79,79,79	0
56	MG	GB	2950	1/1	0.89	0.44	60,60,60,60	0
56	MG	B	3119	1/1	0.89	0.20	69,69,69,69	0
56	MG	HC	103	1/1	0.89	0.33	90,90,90,90	0
56	MG	B	3642	1/1	0.89	0.46	52,52,52,52	0
56	MG	B	3466	1/1	0.89	0.18	51,51,51,51	0
56	MG	S	207	1/1	0.89	0.86	49,49,49,49	0
56	MG	B	3056	1/1	0.89	0.21	49,49,49,49	0
56	MG	B	3190	1/1	0.89	0.33	57,57,57,57	0
56	MG	GB	3681	1/1	0.89	0.21	60,60,60,60	0
56	MG	U	101	1/1	0.89	0.16	56,56,56,56	0
56	MG	GB	3164	1/1	0.89	0.60	46,46,46,46	0
56	MG	U	102	1/1	0.89	0.42	55,55,55,55	0
56	MG	A	1682	1/1	0.89	0.10	98,98,98,98	0
56	MG	A	1790	1/1	0.89	0.26	65,65,65,65	0
56	MG	C	223	1/1	0.89	0.23	56,56,56,56	0
56	MG	GB	2976	1/1	0.89	0.48	52,52,52,52	0
56	MG	B	3560	1/1	0.89	0.20	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	B	3274	1/1	0.89	0.29	54,54,54,54	0
56	MG	FB	1730	1/1	0.89	0.21	78,78,78,78	0
56	MG	B	3399	1/1	0.89	0.25	53,53,53,53	0
56	MG	B	3762	1/1	0.89	0.36	71,71,71,71	0
56	MG	GB	3520	1/1	0.89	0.39	73,73,73,73	0
56	MG	GB	2987	1/1	0.89	0.57	48,48,48,48	0
56	MG	OC	406	1/1	0.89	0.13	70,70,70,70	0
56	MG	B	3764	1/1	0.89	0.22	48,48,48,48	0
56	MG	GB	2992	1/1	0.89	0.27	64,64,64,64	0
56	MG	B	3663	1/1	0.89	0.21	51,51,51,51	0
56	MG	ZA	203	1/1	0.89	0.23	91,91,91,91	0
56	MG	B	3481	1/1	0.89	0.22	54,54,54,54	0
56	MG	B	3484	1/1	0.89	0.45	50,50,50,50	0
56	MG	A	1611	1/1	0.89	0.16	96,96,96,96	0
56	MG	B	3486	1/1	0.89	0.10	51,51,51,51	0
56	MG	B	3777	1/1	0.89	0.23	50,50,50,50	0
56	MG	B	3487	1/1	0.89	0.48	81,81,81,81	0
56	MG	A	1660	1/1	0.89	0.49	60,60,60,60	0
56	MG	GB	3010	1/1	0.89	0.26	67,67,67,67	0
56	MG	B	3402	1/1	0.89	0.20	179,179,179,179	0
56	MG	A	1823	1/1	0.89	0.33	54,54,54,54	0
56	MG	B	3406	1/1	0.89	0.30	55,55,55,55	0
56	MG	GB	3543	1/1	0.89	0.44	55,55,55,55	0
56	MG	A	1661	1/1	0.89	0.24	64,64,64,64	0
56	MG	B	3074	1/1	0.89	0.36	36,36,36,36	0
56	MG	GB	3022	1/1	0.89	0.56	63,63,63,63	0
56	MG	GB	3023	1/1	0.89	0.31	51,51,51,51	0
56	MG	GB	3378	1/1	0.89	0.22	74,74,74,74	0
56	MG	B	3282	1/1	0.89	0.24	50,50,50,50	0
56	MG	FB	1759	1/1	0.89	0.29	66,66,66,66	0
56	MG	A	1825	1/1	0.89	0.21	56,56,56,56	0
56	MG	DA	103	1/1	0.89	0.33	68,68,68,68	0
56	MG	GB	3029	1/1	0.89	0.29	75,75,75,75	0
56	MG	FB	1632	1/1	0.89	0.30	69,69,69,69	0
56	MG	B	3793	1/1	0.89	0.15	81,81,81,81	0
56	MG	B	3137	1/1	0.89	0.17	48,48,48,48	0
56	MG	FB	1898	1/1	0.89	0.14	70,70,70,70	0
56	MG	F	303	1/1	0.89	0.09	71,71,71,71	0
56	MG	B	3343	1/1	0.89	0.15	56,56,56,56	0
56	MG	B	3212	1/1	0.89	0.26	52,52,52,52	0
56	MG	B	3217	1/1	0.89	0.29	54,54,54,54	0
56	MG	CD	101	1/1	0.89	0.34	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	GB	3400	1/1	0.89	0.25	71,71,71,71	0
56	MG	A	1638	1/1	0.89	0.43	61,61,61,61	0
56	MG	DD	101	1/1	0.89	0.69	71,71,71,71	0
56	MG	B	3290	1/1	0.89	0.27	51,51,51,51	0
56	MG	ED	202	1/1	0.89	0.38	72,72,72,72	0
56	MG	GB	3575	1/1	0.89	0.20	72,72,72,72	0
56	MG	B	3354	1/1	0.89	0.15	48,48,48,48	0
56	MG	B	3380	1/1	0.90	0.16	51,51,51,51	0
56	MG	FB	1847	1/1	0.90	0.82	67,67,67,67	0
56	MG	B	2925	1/1	0.90	0.35	52,52,52,52	0
56	MG	GB	2972	1/1	0.90	0.62	51,51,51,51	0
56	MG	B	3170	1/1	0.90	0.16	62,62,62,62	0
56	MG	FB	1851	1/1	0.90	0.26	70,70,70,70	0
56	MG	GB	3536	1/1	0.90	0.31	67,67,67,67	0
56	MG	B	3768	1/1	0.90	0.22	41,41,41,41	0
56	MG	GB	2980	1/1	0.90	0.68	43,43,43,43	0
56	MG	GB	3540	1/1	0.90	0.30	115,115,115,115	0
56	MG	B	3243	1/1	0.90	0.71	43,43,43,43	0
56	MG	B	3245	1/1	0.90	0.15	52,52,52,52	0
56	MG	GB	3350	1/1	0.90	0.25	61,61,61,61	0
56	MG	GB	3182	1/1	0.90	0.13	88,88,88,88	0
56	MG	YA	101	1/1	0.90	0.30	98,98,98,98	0
56	MG	X	104	1/1	0.90	0.27	51,51,51,51	0
56	MG	GB	3354	1/1	0.90	0.30	81,81,81,81	0
56	MG	GB	3185	1/1	0.90	0.23	67,67,67,67	0
56	MG	JB	311	1/1	0.90	0.74	63,63,63,63	0
56	MG	GB	3552	1/1	0.90	0.17	68,68,68,68	0
56	MG	B	3470	1/1	0.90	0.11	71,71,71,71	0
56	MG	X	108	1/1	0.90	0.34	53,53,53,53	0
56	MG	CB	201	1/1	0.90	1.37	94,94,94,94	0
56	MG	GB	3189	1/1	0.90	0.41	64,64,64,64	0
56	MG	B	3314	1/1	0.90	0.17	44,44,44,44	0
56	MG	GB	2995	1/1	0.90	0.44	58,58,58,58	0
56	MG	B	3246	1/1	0.90	0.21	47,47,47,47	0
56	MG	B	2931	1/1	0.90	0.67	39,39,39,39	0
56	MG	B	3042	1/1	0.90	0.21	53,53,53,53	0
56	MG	D	102	1/1	0.90	0.31	153,153,153,153	0
56	MG	GB	3564	1/1	0.90	0.23	70,70,70,70	0
56	MG	B	3564	1/1	0.90	0.10	52,52,52,52	0
56	MG	B	3253	1/1	0.90	0.29	53,53,53,53	0
56	MG	B	3254	1/1	0.90	0.36	61,61,61,61	0
56	MG	GB	3570	1/1	0.90	0.35	82,82,82,82	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	GB	3199	1/1	0.90	0.19	67,67,67,67	0
56	MG	B	3255	1/1	0.90	0.42	48,48,48,48	0
56	MG	FB	1617	1/1	0.90	0.37	59,59,59,59	0
56	MG	A	1756	1/1	0.90	0.11	66,66,66,66	0
56	MG	GB	3206	1/1	0.90	0.46	64,64,64,64	0
56	MG	FB	1879	1/1	0.90	0.29	78,78,78,78	0
56	MG	GB	3578	1/1	0.90	0.10	92,92,92,92	0
56	MG	GB	3017	1/1	0.90	0.34	56,56,56,56	0
56	MG	B	3183	1/1	0.90	0.11	57,57,57,57	0
56	MG	QB	205	1/1	0.90	0.52	68,68,68,68	0
56	MG	B	3049	1/1	0.90	0.57	40,40,40,40	0
56	MG	GB	3392	1/1	0.90	0.33	56,56,56,56	0
56	MG	B	3576	1/1	0.90	0.12	69,69,69,69	0
56	MG	FB	1627	1/1	0.90	0.43	75,75,75,75	0
56	MG	B	3676	1/1	0.90	0.12	55,55,55,55	0
56	MG	GB	3396	1/1	0.90	0.24	71,71,71,71	0
56	MG	B	3118	1/1	0.90	0.16	96,96,96,96	0
56	MG	GB	3589	1/1	0.90	0.53	94,94,94,94	0
56	MG	GB	3398	1/1	0.90	0.36	63,63,63,63	0
56	MG	B	2998	1/1	0.90	0.33	47,47,47,47	0
56	MG	GB	3026	1/1	0.90	0.15	54,54,54,54	0
56	MG	F	310	1/1	0.90	0.41	69,69,69,69	0
56	MG	FB	1895	1/1	0.90	0.29	73,73,73,73	0
56	MG	FB	1764	1/1	0.90	0.40	82,82,82,82	0
56	MG	GB	3030	1/1	0.90	0.41	88,88,88,88	0
56	MG	B	3189	1/1	0.90	0.28	59,59,59,59	0
56	MG	FB	1766	1/1	0.90	0.17	84,84,84,84	0
56	MG	B	3407	1/1	0.90	0.28	72,72,72,72	0
56	MG	B	3800	1/1	0.90	0.45	52,52,52,52	0
56	MG	FB	1904	1/1	0.90	0.47	60,60,60,60	0
56	MG	GB	3231	1/1	0.90	0.17	60,60,60,60	0
56	MG	GB	3414	1/1	0.90	0.11	75,75,75,75	0
56	MG	B	3000	1/1	0.90	0.17	70,70,70,70	0
56	MG	B	3584	1/1	0.90	0.50	46,46,46,46	0
56	MG	YB	203	1/1	0.90	0.14	86,86,86,86	0
56	MG	A	1602	1/1	0.90	0.41	69,69,69,69	0
56	MG	A	1826	1/1	0.90	0.21	58,58,58,58	0
56	MG	B	3588	1/1	0.90	0.52	46,46,46,46	0
56	MG	B	3416	1/1	0.90	0.40	37,37,37,37	0
56	MG	GB	3053	1/1	0.90	0.22	53,53,53,53	0
56	MG	A	1620	1/1	0.90	0.27	93,93,93,93	0
56	MG	A	1606	1/1	0.90	0.56	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	B	3063	1/1	0.90	0.50	44,44,44,44	0
56	MG	FB	1779	1/1	0.90	0.40	88,88,88,88	0
56	MG	GB	3062	1/1	0.90	0.25	61,61,61,61	0
56	MG	I	203	1/1	0.90	0.12	68,68,68,68	0
56	MG	FB	1782	1/1	0.90	0.21	91,91,91,91	0
56	MG	GB	3628	1/1	0.90	0.31	73,73,73,73	0
56	MG	FB	1921	1/1	0.90	0.28	78,78,78,78	0
56	MG	GB	3438	1/1	0.90	0.37	52,52,52,52	0
56	MG	A	1879	1/1	0.90	0.40	65,65,65,65	0
56	MG	A	1829	1/1	0.90	0.35	109,109,109,109	0
56	MG	GB	3076	1/1	0.90	0.34	59,59,59,59	0
56	MG	FC	101	1/1	0.90	0.15	87,87,87,87	0
56	MG	GB	3255	1/1	0.90	0.39	100,100,100,100	0
56	MG	GB	3077	1/1	0.90	0.40	68,68,68,68	0
56	MG	JA	402	1/1	0.90	0.20	54,54,54,54	0
56	MG	A	1881	1/1	0.90	0.36	128,128,128,128	0
56	MG	GB	3446	1/1	0.90	0.43	75,75,75,75	0
56	MG	B	3599	1/1	0.90	0.48	69,69,69,69	0
56	MG	FB	1662	1/1	0.90	0.19	66,66,66,66	0
56	MG	GB	3643	1/1	0.90	0.29	55,55,55,55	0
56	MG	JA	405	1/1	0.90	0.32	91,91,91,91	0
56	MG	B	3600	1/1	0.90	0.28	54,54,54,54	0
56	MG	B	3206	1/1	0.90	0.39	44,44,44,44	0
56	MG	A	1740	1/1	0.90	0.18	80,80,80,80	0
56	MG	B	3352	1/1	0.90	0.29	53,53,53,53	0
56	MG	B	3714	1/1	0.90	0.17	52,52,52,52	0
56	MG	NC	110	1/1	0.90	0.16	69,69,69,69	0
56	MG	GB	3269	1/1	0.90	0.15	77,77,77,77	0
56	MG	GB	3094	1/1	0.90	0.37	54,54,54,54	0
56	MG	B	3353	1/1	0.90	0.06	173,173,173,173	0
56	MG	FB	1938	1/1	0.90	0.19	104,104,104,104	0
56	MG	B	3517	1/1	0.90	0.12	53,53,53,53	0
56	MG	A	1884	1/1	0.90	0.26	60,60,60,60	0
56	MG	B	3835	1/1	0.90	0.15	80,80,80,80	0
56	MG	FB	1804	1/1	0.90	0.17	81,81,81,81	0
56	MG	GB	3279	1/1	0.90	0.24	69,69,69,69	0
56	MG	L	202	1/1	0.90	0.24	58,58,58,58	0
56	MG	A	1805	1/1	0.90	0.17	87,87,87,87	0
56	MG	A	1772	1/1	0.90	0.28	143,143,143,143	0
56	MG	GB	3672	1/1	0.90	0.20	68,68,68,68	0
56	MG	FB	1808	1/1	0.90	0.20	66,66,66,66	0
56	MG	GB	3477	1/1	0.90	0.22	60,60,60,60	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	FB	1809	1/1	0.90	0.34	63,63,63,63	0
56	MG	B	3357	1/1	0.90	0.15	54,54,54,54	0
56	MG	FB	1812	1/1	0.90	0.35	70,70,70,70	0
56	MG	GB	2917	1/1	0.90	0.56	46,46,46,46	0
56	MG	B	3142	1/1	0.90	0.11	46,46,46,46	0
56	MG	RC	304	1/1	0.90	0.13	80,80,80,80	0
56	MG	N	205	1/1	0.90	0.12	65,65,65,65	0
56	MG	RC	309	1/1	0.90	0.24	77,77,77,77	0
56	MG	B	3617	1/1	0.90	0.80	54,54,54,54	0
56	MG	A	1808	1/1	0.90	0.79	94,94,94,94	0
56	MG	GB	2925	1/1	0.90	0.46	54,54,54,54	0
56	MG	B	3619	1/1	0.90	0.12	70,70,70,70	0
56	MG	A	1773	1/1	0.90	0.38	88,88,88,88	0
56	MG	B	3528	1/1	0.90	0.27	43,43,43,43	0
56	MG	B	2976	1/1	0.90	0.28	44,44,44,44	0
56	MG	B	2981	1/1	0.90	0.50	41,41,41,41	0
56	MG	B	3741	1/1	0.90	0.22	47,47,47,47	0
56	MG	GB	3501	1/1	0.90	0.32	77,77,77,77	0
56	MG	FB	1700	1/1	0.90	0.31	73,73,73,73	0
56	MG	B	3531	1/1	0.90	0.35	42,42,42,42	0
56	MG	GB	3505	1/1	0.90	0.37	81,81,81,81	0
56	MG	B	3030	1/1	0.90	0.50	59,59,59,59	0
56	MG	GB	3312	1/1	0.90	0.11	73,73,73,73	0
56	MG	B	2915	1/1	0.90	0.34	57,57,57,57	0
56	MG	B	3536	1/1	0.90	0.26	38,38,38,38	0
56	MG	B	3159	1/1	0.90	0.20	47,47,47,47	0
56	MG	B	3099	1/1	0.90	0.38	37,37,37,37	0
56	MG	B	3541	1/1	0.90	0.41	120,120,120,120	0
56	MG	SA	202	1/1	0.90	0.23	125,125,125,125	0
56	MG	B	3101	1/1	0.90	0.30	47,47,47,47	0
56	MG	B	3756	1/1	0.90	0.21	59,59,59,59	0
56	MG	GB	2956	1/1	0.90	0.42	47,47,47,47	0
56	MG	A	1666	1/1	0.90	1.16	80,80,80,80	0
56	MG	B	3375	1/1	0.90	0.21	79,79,79,79	0
56	MG	FB	1718	1/1	0.90	0.21	66,66,66,66	0
56	MG	GB	3327	1/1	0.90	0.44	76,76,76,76	0
56	MG	HB	216	1/1	0.90	0.56	136,136,136,136	0
56	MG	B	3549	1/1	0.90	0.20	51,51,51,51	0
57	ZN	BA	101	1/1	0.90	0.31	131,131,131,131	0
56	MG	A	1811	1/1	0.90	0.51	76,76,76,76	0
56	MG	L	203	1/1	0.91	0.16	71,71,71,71	0
56	MG	FB	1682	1/1	0.91	0.24	64,64,64,64	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	GB	3417	1/1	0.91	0.24	66,66,66,66	0
56	MG	L	204	1/1	0.91	0.09	60,60,60,60	0
56	MG	B	3743	1/1	0.91	0.50	52,52,52,52	0
56	MG	B	3843	1/1	0.91	0.17	49,49,49,49	0
56	MG	A	1832	1/1	0.91	0.32	67,67,67,67	0
56	MG	GB	2902	1/1	0.91	0.83	51,51,51,51	0
56	MG	GB	2907	1/1	0.91	0.35	60,60,60,60	0
56	MG	B	3653	1/1	0.91	0.28	56,56,56,56	0
56	MG	B	3655	1/1	0.91	0.34	46,46,46,46	0
56	MG	GB	2915	1/1	0.91	0.55	52,52,52,52	0
56	MG	C	205	1/1	0.91	0.85	68,68,68,68	0
56	MG	B	3579	1/1	0.91	0.30	47,47,47,47	0
56	MG	B	3087	1/1	0.91	0.20	53,53,53,53	0
56	MG	FB	1694	1/1	0.91	0.41	81,81,81,81	0
56	MG	GB	3103	1/1	0.91	0.41	70,70,70,70	0
56	MG	A	1601	1/1	0.91	0.25	56,56,56,56	0
56	MG	A	1619	1/1	0.91	0.53	61,61,61,61	0
56	MG	B	3182	1/1	0.91	0.36	50,50,50,50	0
56	MG	B	3384	1/1	0.91	0.55	55,55,55,55	0
56	MG	GB	3108	1/1	0.91	0.37	54,54,54,54	0
56	MG	GB	2930	1/1	0.91	0.61	64,64,64,64	0
56	MG	B	2963	1/1	0.91	0.37	49,49,49,49	0
56	MG	B	3337	1/1	0.91	0.17	46,46,46,46	0
56	MG	GB	3114	1/1	0.91	0.20	69,69,69,69	0
56	MG	GB	2934	1/1	0.91	0.49	60,60,60,60	0
56	MG	QA	201	1/1	0.91	0.17	106,106,106,106	0
56	MG	A	1835	1/1	0.91	0.21	70,70,70,70	0
56	MG	B	3136	1/1	0.91	0.28	43,43,43,43	0
56	MG	B	3591	1/1	0.91	0.25	61,61,61,61	0
56	MG	B	3765	1/1	0.91	0.34	50,50,50,50	0
56	MG	B	3766	1/1	0.91	0.33	42,42,42,42	0
56	MG	GB	3455	1/1	0.91	0.32	64,64,64,64	0
56	MG	FB	1713	1/1	0.91	0.43	75,75,75,75	0
56	MG	GB	3624	1/1	0.91	0.24	65,65,65,65	0
56	MG	B	3455	1/1	0.91	0.27	47,47,47,47	0
56	MG	B	3095	1/1	0.91	0.16	56,56,56,56	0
56	MG	FB	1716	1/1	0.91	0.17	82,82,82,82	0
56	MG	GB	3132	1/1	0.91	0.27	65,65,65,65	0
56	MG	VB	206	1/1	0.91	0.30	69,69,69,69	0
56	MG	B	3594	1/1	0.91	0.20	56,56,56,56	0
56	MG	GB	3296	1/1	0.91	0.35	65,65,65,65	0
56	MG	WB	201	1/1	0.91	0.12	80,80,80,80	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	GB	2951	1/1	0.91	0.26	71,71,71,71	0
56	MG	B	3393	1/1	0.91	0.18	46,46,46,46	0
56	MG	B	2920	1/1	0.91	0.43	44,44,44,44	0
56	MG	B	3680	1/1	0.91	0.21	52,52,52,52	0
56	MG	A	1818	1/1	0.91	0.34	65,65,65,65	0
56	MG	GB	3141	1/1	0.91	0.38	49,49,49,49	0
56	MG	B	3464	1/1	0.91	0.33	48,48,48,48	0
56	MG	B	3052	1/1	0.91	0.18	47,47,47,47	0
56	MG	B	3344	1/1	0.91	0.29	49,49,49,49	0
56	MG	B	3783	1/1	0.91	0.81	50,50,50,50	0
56	MG	YB	206	1/1	0.91	0.22	70,70,70,70	0
56	MG	B	2971	1/1	0.91	0.42	51,51,51,51	0
56	MG	GB	3481	1/1	0.91	0.27	64,64,64,64	0
56	MG	B	3535	1/1	0.91	0.23	60,60,60,60	0
56	MG	X	103	1/1	0.91	0.17	64,64,64,64	0
56	MG	B	3346	1/1	0.91	0.55	45,45,45,45	0
56	MG	B	3788	1/1	0.91	0.21	56,56,56,56	0
56	MG	X	107	1/1	0.91	0.25	72,72,72,72	0
56	MG	GB	3653	1/1	0.91	0.37	78,78,78,78	0
56	MG	B	3469	1/1	0.91	0.30	60,60,60,60	0
56	MG	GB	3160	1/1	0.91	0.08	89,89,89,89	0
56	MG	B	3104	1/1	0.91	0.12	70,70,70,70	0
56	MG	B	3404	1/1	0.91	0.13	47,47,47,47	0
56	MG	B	3697	1/1	0.91	0.50	56,56,56,56	0
56	MG	Y	105	1/1	0.91	0.17	52,52,52,52	0
56	MG	E	305	1/1	0.91	0.18	50,50,50,50	0
56	MG	B	3473	1/1	0.91	0.53	51,51,51,51	0
56	MG	B	3147	1/1	0.91	0.14	52,52,52,52	0
56	MG	AA	101	1/1	0.91	0.45	59,59,59,59	0
56	MG	GB	3665	1/1	0.91	0.28	61,61,61,61	0
56	MG	A	1763	1/1	0.91	0.14	109,109,109,109	0
56	MG	A	1603	1/1	0.91	0.50	78,78,78,78	0
56	MG	GB	3000	1/1	0.91	0.38	67,67,67,67	0
56	MG	GB	3177	1/1	0.91	0.72	58,58,58,58	0
56	MG	B	3203	1/1	0.91	0.14	57,57,57,57	0
56	MG	F	305	1/1	0.91	0.68	58,58,58,58	0
56	MG	FB	1881	1/1	0.91	0.26	68,68,68,68	0
56	MG	B	3261	1/1	0.91	0.19	50,50,50,50	0
56	MG	NC	103	1/1	0.91	0.27	84,84,84,84	0
56	MG	GB	3344	1/1	0.91	0.35	77,77,77,77	0
56	MG	FB	1884	1/1	0.91	0.13	87,87,87,87	0
56	MG	B	3152	1/1	0.91	0.24	56,56,56,56	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	A	1751	1/1	0.91	0.37	86,86,86,86	0
56	MG	B	3804	1/1	0.91	0.16	51,51,51,51	0
56	MG	A	1617	1/1	0.91	0.12	59,59,59,59	0
56	MG	FB	1629	1/1	0.91	0.49	66,66,66,66	0
56	MG	GB	3012	1/1	0.91	0.40	52,52,52,52	0
56	MG	GB	3014	1/1	0.91	0.30	64,64,64,64	0
56	MG	FB	1630	1/1	0.91	0.18	64,64,64,64	0
56	MG	B	3207	1/1	0.91	0.18	41,41,41,41	0
56	MG	FA	101	1/1	0.91	0.32	54,54,54,54	0
56	MG	A	1844	1/1	0.91	0.18	89,89,89,89	0
56	MG	B	3313	1/1	0.91	0.19	49,49,49,49	0
56	MG	HA	101	1/1	0.91	0.74	77,77,77,77	0
56	MG	G	3207	1/1	0.91	0.30	36,36,36,36	0
56	MG	B	3716	1/1	0.91	0.17	65,65,65,65	0
56	MG	A	1753	1/1	0.91	0.17	84,84,84,84	0
56	MG	GB	3709	1/1	0.91	0.12	74,74,74,74	0
56	MG	B	3811	1/1	0.91	0.31	48,48,48,48	0
56	MG	IA	105	1/1	0.91	0.17	80,80,80,80	0
56	MG	B	3269	1/1	0.91	0.49	52,52,52,52	0
56	MG	A	1846	1/1	0.91	0.22	57,57,57,57	0
56	MG	IA	110	1/1	0.91	0.27	83,83,83,83	0
56	MG	FB	1912	1/1	0.91	0.26	73,73,73,73	0
56	MG	RC	302	1/1	0.91	0.26	77,77,77,77	0
56	MG	B	2901	1/1	0.91	0.15	49,49,49,49	0
56	MG	GB	3035	1/1	0.91	0.16	65,65,65,65	0
56	MG	B	3722	1/1	0.91	0.19	44,44,44,44	0
56	MG	B	3498	1/1	0.91	0.34	60,60,60,60	0
56	MG	HB	213	1/1	0.91	0.27	122,122,122,122	0
56	MG	GB	3551	1/1	0.91	0.27	96,96,96,96	0
56	MG	B	3819	1/1	0.91	0.17	56,56,56,56	0
56	MG	B	3821	1/1	0.91	0.24	53,53,53,53	0
56	MG	B	3724	1/1	0.91	0.19	48,48,48,48	0
56	MG	GB	3043	1/1	0.91	0.24	52,52,52,52	0
56	MG	B	3568	1/1	0.91	0.21	53,53,53,53	0
56	MG	FB	1658	1/1	0.91	0.13	72,72,72,72	0
56	MG	HB	222	1/1	0.91	0.07	108,108,108,108	0
56	MG	HB	224	1/1	0.91	0.32	118,118,118,118	0
56	MG	B	3727	1/1	0.91	0.54	49,49,49,49	0
56	MG	B	3430	1/1	0.91	0.28	46,46,46,46	0
56	MG	B	3319	1/1	0.91	0.57	47,47,47,47	0
56	MG	K	201	1/1	0.91	0.22	58,58,58,58	0
56	MG	FB	1793	1/1	0.91	0.76	98,98,98,98	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	B	2952	1/1	0.91	0.33	46,46,46,46	0
56	MG	HB	232	1/1	0.91	0.23	84,84,84,84	0
56	MG	IB	102	1/1	0.91	0.23	112,112,112,112	0
56	MG	B	2956	1/1	0.91	0.49	49,49,49,49	0
56	MG	YC	206	1/1	0.91	0.11	88,88,88,88	0
56	MG	JA	407	1/1	0.91	0.27	61,61,61,61	0
56	MG	B	3373	1/1	0.91	0.17	50,50,50,50	0
56	MG	JB	302	1/1	0.91	0.29	63,63,63,63	0
56	MG	B	2958	1/1	0.91	0.43	49,49,49,49	0
56	MG	B	3646	1/1	0.91	0.12	54,54,54,54	0
56	MG	GB	3240	1/1	0.91	0.09	106,106,106,106	0
56	MG	FB	1674	1/1	0.91	0.11	69,69,69,69	0
56	MG	B	3739	1/1	0.91	0.19	53,53,53,53	0
56	MG	K	209	1/1	0.91	0.14	67,67,67,67	0
56	MG	B	3169	1/1	0.91	0.25	47,47,47,47	0
56	MG	GB	3078	1/1	0.91	0.28	64,64,64,64	0
57	ZN	AC	201	1/1	0.91	0.09	100,100,100,100	0
56	MG	B	3650	1/1	0.91	0.67	58,58,58,58	0
56	MG	IA	111	1/1	0.92	0.42	49,49,49,49	0
56	MG	B	3789	1/1	0.92	0.24	46,46,46,46	0
56	MG	B	3311	1/1	0.92	0.27	46,46,46,46	0
56	MG	GB	3092	1/1	0.92	0.34	87,87,87,87	0
56	MG	M	203	1/1	0.92	0.34	43,43,43,43	0
56	MG	C	228	1/1	0.92	0.11	76,76,76,76	0
56	MG	B	2977	1/1	0.92	0.25	53,53,53,53	0
56	MG	M	208	1/1	0.92	0.27	44,44,44,44	0
56	MG	B	3272	1/1	0.92	0.23	63,63,63,63	0
56	MG	N	203	1/1	0.92	0.27	70,70,70,70	0
56	MG	FB	1856	1/1	0.92	0.22	100,100,100,100	0
56	MG	A	1787	1/1	0.92	0.42	77,77,77,77	0
56	MG	FB	1858	1/1	0.92	0.20	97,97,97,97	0
56	MG	B	3185	1/1	0.92	0.08	45,45,45,45	0
56	MG	FB	1639	1/1	0.92	0.19	72,72,72,72	0
56	MG	GB	2949	1/1	0.92	0.28	52,52,52,52	0
56	MG	FB	1754	1/1	0.92	0.16	86,86,86,86	0
56	MG	B	2959	1/1	0.92	0.10	84,84,84,84	0
56	MG	GB	3110	1/1	0.92	0.29	72,72,72,72	0
56	MG	B	3150	1/1	0.92	0.14	53,53,53,53	0
56	MG	B	3278	1/1	0.92	0.32	54,54,54,54	0
56	MG	A	1706	1/1	0.92	0.72	88,88,88,88	0
56	MG	P	204	1/1	0.92	0.08	77,77,77,77	0
56	MG	GB	3433	1/1	0.92	0.27	65,65,65,65	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	GB	3600	1/1	0.92	0.56	52,52,52,52	0
56	MG	GB	3434	1/1	0.92	0.11	63,63,63,63	0
56	MG	GB	3116	1/1	0.92	0.31	66,66,66,66	0
56	MG	PB	203	1/1	0.92	0.45	91,91,91,91	0
56	MG	FB	1760	1/1	0.92	0.17	68,68,68,68	0
56	MG	B	3364	1/1	0.92	0.21	37,37,37,37	0
56	MG	QB	204	1/1	0.92	0.23	65,65,65,65	0
56	MG	FB	1648	1/1	0.92	0.32	57,57,57,57	0
56	MG	B	2987	1/1	0.92	0.52	34,34,34,34	0
56	MG	GB	3275	1/1	0.92	0.75	61,61,61,61	0
56	MG	B	3237	1/1	0.92	0.25	45,45,45,45	0
56	MG	GB	2968	1/1	0.92	0.49	69,69,69,69	0
56	MG	C	243	1/1	0.92	0.29	57,57,57,57	0
56	MG	B	3661	1/1	0.92	0.43	51,51,51,51	0
56	MG	GB	3614	1/1	0.92	0.25	139,139,139,139	0
56	MG	GB	3281	1/1	0.92	0.51	72,72,72,72	0
56	MG	B	3153	1/1	0.92	0.68	42,42,42,42	0
56	MG	TB	204	1/1	0.92	0.24	73,73,73,73	0
56	MG	B	3325	1/1	0.92	0.20	53,53,53,53	0
56	MG	FB	1657	1/1	0.92	0.45	62,62,62,62	0
56	MG	GB	3621	1/1	0.92	0.15	64,64,64,64	0
56	MG	GB	2978	1/1	0.92	0.30	58,58,58,58	0
56	MG	B	3479	1/1	0.92	0.25	39,39,39,39	0
56	MG	S	205	1/1	0.92	0.19	54,54,54,54	0
56	MG	B	2909	1/1	0.92	0.33	33,33,33,33	0
56	MG	S	208	1/1	0.92	0.72	53,53,53,53	0
56	MG	MA	302	1/1	0.92	0.30	105,105,105,105	0
56	MG	B	3666	1/1	0.92	0.72	41,41,41,41	0
56	MG	FB	1890	1/1	0.92	0.26	60,60,60,60	0
56	MG	GB	3460	1/1	0.92	0.29	63,63,63,63	0
56	MG	GB	2988	1/1	0.92	0.31	50,50,50,50	0
56	MG	GB	2990	1/1	0.92	0.61	63,63,63,63	0
56	MG	B	3240	1/1	0.92	0.17	51,51,51,51	0
56	MG	B	3091	1/1	0.92	0.39	36,36,36,36	0
56	MG	GB	3302	1/1	0.92	0.42	47,47,47,47	0
56	MG	GB	3637	1/1	0.92	0.61	49,49,49,49	0
56	MG	GB	2993	1/1	0.92	0.14	71,71,71,71	0
56	MG	A	1631	1/1	0.92	0.26	98,98,98,98	0
56	MG	GB	3471	1/1	0.92	0.32	64,64,64,64	0
56	MG	A	1645	1/1	0.92	0.26	75,75,75,75	0
56	MG	FB	1781	1/1	0.92	0.38	90,90,90,90	0
56	MG	A	1782	1/1	0.92	0.16	130,130,130,130	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	GB	3156	1/1	0.92	0.48	46,46,46,46	0
56	MG	B	2918	1/1	0.92	0.49	43,43,43,43	0
56	MG	F	304	1/1	0.92	0.36	49,49,49,49	0
56	MG	FB	1902	1/1	0.92	0.15	132,132,132,132	0
56	MG	FB	1903	1/1	0.92	0.42	76,76,76,76	0
56	MG	A	1726	1/1	0.92	0.25	73,73,73,73	0
56	MG	B	3610	1/1	0.92	0.13	73,73,73,73	0
56	MG	GB	3318	1/1	0.92	0.68	54,54,54,54	0
56	MG	F	307	1/1	0.92	0.18	70,70,70,70	0
56	MG	A	1622	1/1	0.92	0.47	73,73,73,73	0
56	MG	B	2972	1/1	0.92	0.41	45,45,45,45	0
56	MG	B	3437	1/1	0.92	0.15	39,39,39,39	0
56	MG	B	3754	1/1	0.92	0.09	57,57,57,57	0
56	MG	B	3755	1/1	0.92	0.28	61,61,61,61	0
56	MG	X	106	1/1	0.92	0.42	63,63,63,63	0
56	MG	GB	3018	1/1	0.92	0.20	73,73,73,73	0
56	MG	B	3682	1/1	0.92	0.65	67,67,67,67	0
56	MG	GB	3181	1/1	0.92	0.20	64,64,64,64	0
56	MG	GB	3500	1/1	0.92	0.62	57,57,57,57	0
56	MG	GB	3667	1/1	0.92	0.35	54,54,54,54	0
56	MG	GB	3671	1/1	0.92	0.21	82,82,82,82	0
56	MG	G	3201	1/1	0.92	0.32	36,36,36,36	0
56	MG	B	3386	1/1	0.92	0.26	101,101,101,101	0
56	MG	FB	1798	1/1	0.92	0.34	79,79,79,79	0
56	MG	NC	102	1/1	0.92	0.18	65,65,65,65	0
56	MG	GB	3677	1/1	0.92	0.27	60,60,60,60	0
56	MG	G	3205	1/1	0.92	0.20	40,40,40,40	0
56	MG	GB	3333	1/1	0.92	0.34	66,66,66,66	0
56	MG	B	3829	1/1	0.92	0.24	46,46,46,46	0
56	MG	FB	1922	1/1	0.92	0.36	83,83,83,83	0
56	MG	B	3439	1/1	0.92	0.18	49,49,49,49	0
56	MG	GB	3341	1/1	0.92	0.44	54,54,54,54	0
56	MG	B	3167	1/1	0.92	0.25	44,44,44,44	0
56	MG	B	3760	1/1	0.92	0.35	65,65,65,65	0
56	MG	FB	1699	1/1	0.92	0.14	86,86,86,86	0
56	MG	B	3068	1/1	0.92	0.17	43,43,43,43	0
56	MG	B	2953	1/1	0.92	0.39	37,37,37,37	0
56	MG	GB	3032	1/1	0.92	0.16	54,54,54,54	0
56	MG	B	3763	1/1	0.92	0.91	56,56,56,56	0
56	MG	GB	3034	1/1	0.92	0.52	63,63,63,63	0
56	MG	FB	1703	1/1	0.92	0.38	86,86,86,86	0
56	MG	B	3390	1/1	0.92	0.09	72,72,72,72	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	I	201	1/1	0.92	0.14	77,77,77,77	0
56	MG	B	3566	1/1	0.92	0.89	60,60,60,60	0
56	MG	GB	3040	1/1	0.92	0.72	48,48,48,48	0
56	MG	GB	3530	1/1	0.92	0.23	85,85,85,85	0
56	MG	B	3298	1/1	0.92	0.23	168,168,168,168	0
56	MG	GB	3364	1/1	0.92	0.11	70,70,70,70	0
56	MG	B	3005	1/1	0.92	0.54	45,45,45,45	0
56	MG	GB	3368	1/1	0.92	0.69	70,70,70,70	0
56	MG	CA	104	1/1	0.92	0.21	65,65,65,65	0
56	MG	GB	3370	1/1	0.92	0.29	65,65,65,65	0
56	MG	B	3173	1/1	0.92	0.24	40,40,40,40	0
56	MG	RC	306	1/1	0.92	0.39	81,81,81,81	0
56	MG	B	3450	1/1	0.92	0.13	63,63,63,63	0
56	MG	HB	207	1/1	0.92	0.51	107,107,107,107	0
56	MG	B	3174	1/1	0.92	0.37	42,42,42,42	0
56	MG	B	3513	1/1	0.92	0.14	53,53,53,53	0
56	MG	A	1786	1/1	0.92	0.72	59,59,59,59	0
56	MG	GB	3054	1/1	0.92	0.10	56,56,56,56	0
56	MG	GB	3055	1/1	0.92	0.20	64,64,64,64	0
56	MG	GB	3545	1/1	0.92	0.29	77,77,77,77	0
56	MG	FA	103	1/1	0.92	0.35	48,48,48,48	0
56	MG	FB	1826	1/1	0.92	0.11	143,143,143,143	0
56	MG	B	3775	1/1	0.92	0.39	42,42,42,42	0
56	MG	FB	1609	1/1	0.92	0.29	64,64,64,64	0
56	MG	HB	218	1/1	0.92	0.22	116,116,116,116	0
56	MG	B	3632	1/1	0.92	0.33	64,64,64,64	0
56	MG	GB	2905	1/1	0.92	0.86	62,62,62,62	0
56	MG	B	3705	1/1	0.92	0.19	49,49,49,49	0
56	MG	FB	1614	1/1	0.92	0.31	70,70,70,70	0
56	MG	HB	223	1/1	0.92	0.28	85,85,85,85	0
56	MG	GB	2913	1/1	0.92	0.43	63,63,63,63	0
56	MG	B	3780	1/1	0.92	0.09	70,70,70,70	0
56	MG	GB	3391	1/1	0.92	0.23	60,60,60,60	0
56	MG	GB	3074	1/1	0.92	0.27	59,59,59,59	0
56	MG	B	3706	1/1	0.92	0.31	50,50,50,50	0
56	MG	FB	1725	1/1	0.92	0.44	68,68,68,68	0
56	MG	B	3397	1/1	0.92	0.18	52,52,52,52	0
56	MG	B	3635	1/1	0.92	0.64	56,56,56,56	0
56	MG	IB	101	1/1	0.92	0.44	89,89,89,89	0
56	MG	B	3178	1/1	0.92	0.41	43,43,43,43	0
56	MG	GB	3565	1/1	0.92	0.26	60,60,60,60	0
56	MG	B	3225	1/1	0.92	0.38	46,46,46,46	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	GB	3399	1/1	0.92	0.15	54,54,54,54	0
56	MG	GB	3083	1/1	0.92	0.33	70,70,70,70	0
56	MG	FB	1841	1/1	0.92	0.62	85,85,85,85	0
56	MG	B	3040	1/1	0.92	0.35	41,41,41,41	0
56	MG	GB	3572	1/1	0.92	0.30	67,67,67,67	0
56	MG	B	3460	1/1	0.92	0.24	43,43,43,43	0
56	MG	B	3133	1/1	0.93	0.21	50,50,50,50	0
56	MG	FB	1751	1/1	0.93	0.44	83,83,83,83	0
56	MG	GB	3415	1/1	0.93	0.39	55,55,55,55	0
56	MG	B	3776	1/1	0.93	0.18	62,62,62,62	0
56	MG	B	3462	1/1	0.93	0.20	41,41,41,41	0
56	MG	B	3177	1/1	0.93	0.30	47,47,47,47	0
56	MG	GB	3256	1/1	0.93	0.37	72,72,72,72	0
56	MG	B	3611	1/1	0.93	0.21	48,48,48,48	0
56	MG	GB	3422	1/1	0.93	0.25	64,64,64,64	0
56	MG	B	3092	1/1	0.93	0.31	44,44,44,44	0
56	MG	GB	3102	1/1	0.93	0.65	50,50,50,50	0
56	MG	B	3538	1/1	0.93	0.24	57,57,57,57	0
56	MG	GB	2953	1/1	0.93	0.31	56,56,56,56	0
56	MG	B	2979	1/1	0.93	0.29	43,43,43,43	0
56	MG	A	1646	1/1	0.93	0.16	74,74,74,74	0
56	MG	FB	1649	1/1	0.93	0.29	62,62,62,62	0
56	MG	B	3289	1/1	0.93	0.46	38,38,38,38	0
56	MG	B	3012	1/1	0.93	0.20	51,51,51,51	0
56	MG	B	3097	1/1	0.93	0.22	54,54,54,54	0
56	MG	A	1732	1/1	0.93	0.25	56,56,56,56	0
56	MG	GB	2965	1/1	0.93	0.26	54,54,54,54	0
56	MG	B	3548	1/1	0.93	0.17	44,44,44,44	0
56	MG	S	203	1/1	0.93	0.41	57,57,57,57	0
56	MG	GB	2969	1/1	0.93	0.27	53,53,53,53	0
56	MG	B	2984	1/1	0.93	0.34	58,58,58,58	0
56	MG	FB	1882	1/1	0.93	0.31	77,77,77,77	0
56	MG	B	3145	1/1	0.93	0.18	43,43,43,43	0
56	MG	FB	1659	1/1	0.93	0.24	69,69,69,69	0
56	MG	FB	1660	1/1	0.93	0.24	70,70,70,70	0
56	MG	A	1791	1/1	0.93	0.11	59,59,59,59	0
56	MG	B	2933	1/1	0.93	0.20	52,52,52,52	0
56	MG	GB	3282	1/1	0.93	0.23	70,70,70,70	0
56	MG	B	3103	1/1	0.93	0.18	51,51,51,51	0
56	MG	FB	1664	1/1	0.93	0.32	85,85,85,85	0
56	MG	FB	1891	1/1	0.93	0.17	132,132,132,132	0
56	MG	SB	202	1/1	0.93	0.43	80,80,80,80	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	GB	2984	1/1	0.93	0.25	66,66,66,66	0
56	MG	FB	1892	1/1	0.93	0.33	68,68,68,68	0
56	MG	GB	3453	1/1	0.93	0.11	85,85,85,85	0
56	MG	T	204	1/1	0.93	0.15	56,56,56,56	0
56	MG	B	3796	1/1	0.93	0.41	113,113,113,113	0
56	MG	B	2989	1/1	0.93	0.26	53,53,53,53	0
56	MG	GB	3137	1/1	0.93	0.25	66,66,66,66	0
56	MG	B	3299	1/1	0.93	0.23	45,45,45,45	0
56	MG	B	3482	1/1	0.93	0.25	47,47,47,47	0
56	MG	B	2906	1/1	0.93	0.60	29,29,29,29	0
56	MG	B	3633	1/1	0.93	0.14	63,63,63,63	0
56	MG	B	2907	1/1	0.93	0.68	41,41,41,41	0
56	MG	B	3561	1/1	0.93	0.99	52,52,52,52	0
56	MG	GB	2999	1/1	0.93	0.22	67,67,67,67	0
56	MG	B	3195	1/1	0.93	0.34	52,52,52,52	0
56	MG	WB	202	1/1	0.93	0.79	80,80,80,80	0
56	MG	B	3306	1/1	0.93	0.49	44,44,44,44	0
56	MG	B	3488	1/1	0.93	0.43	57,57,57,57	0
56	MG	GB	3640	1/1	0.93	0.12	96,96,96,96	0
56	MG	B	3422	1/1	0.93	0.28	66,66,66,66	0
56	MG	GB	3153	1/1	0.93	0.15	59,59,59,59	0
56	MG	B	3360	1/1	0.93	0.22	43,43,43,43	0
56	MG	FB	1908	1/1	0.93	0.28	65,65,65,65	0
56	MG	FB	1683	1/1	0.93	0.79	75,75,75,75	0
56	MG	GB	3157	1/1	0.93	0.14	68,68,68,68	0
56	MG	B	3728	1/1	0.93	0.41	50,50,50,50	0
56	MG	GB	3649	1/1	0.93	0.43	70,70,70,70	0
56	MG	B	3196	1/1	0.93	0.42	80,80,80,80	0
56	MG	B	3197	1/1	0.93	0.42	53,53,53,53	0
56	MG	FB	1913	1/1	0.93	0.25	72,72,72,72	0
56	MG	FB	1914	1/1	0.93	0.28	63,63,63,63	0
56	MG	B	3198	1/1	0.93	0.34	47,47,47,47	0
56	MG	GB	3015	1/1	0.93	0.36	54,54,54,54	0
56	MG	A	1708	1/1	0.93	0.47	79,79,79,79	0
56	MG	B	3649	1/1	0.93	0.15	104,104,104,104	0
56	MG	B	3201	1/1	0.93	0.11	59,59,59,59	0
56	MG	BC	308	1/1	0.93	0.07	104,104,104,104	0
56	MG	B	3367	1/1	0.93	0.15	63,63,63,63	0
56	MG	CC	101	1/1	0.93	0.31	66,66,66,66	0
56	MG	GB	3171	1/1	0.93	0.33	63,63,63,63	0
56	MG	B	2944	1/1	0.93	0.49	44,44,44,44	0
56	MG	DC	103	1/1	0.93	0.47	76,76,76,76	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	B	3033	1/1	0.93	0.31	50,50,50,50	0
56	MG	B	3656	1/1	0.93	0.53	59,59,59,59	0
56	MG	B	3115	1/1	0.93	0.23	39,39,39,39	0
56	MG	B	3825	1/1	0.93	0.27	55,55,55,55	0
56	MG	AA	102	1/1	0.93	0.41	59,59,59,59	0
56	MG	GB	3670	1/1	0.93	0.23	52,52,52,52	0
56	MG	B	3371	1/1	0.93	0.13	133,133,133,133	0
56	MG	HC	102	1/1	0.93	0.17	62,62,62,62	0
56	MG	B	2911	1/1	0.93	0.33	48,48,48,48	0
56	MG	GB	3506	1/1	0.93	0.36	71,71,71,71	0
56	MG	GB	3335	1/1	0.93	0.40	54,54,54,54	0
56	MG	GB	3336	1/1	0.93	0.25	68,68,68,68	0
56	MG	GB	3678	1/1	0.93	0.67	87,87,87,87	0
56	MG	GB	3679	1/1	0.93	0.73	72,72,72,72	0
56	MG	FB	1810	1/1	0.93	0.71	71,71,71,71	0
56	MG	B	2946	1/1	0.93	0.16	72,72,72,72	0
56	MG	GB	3512	1/1	0.93	0.35	67,67,67,67	0
56	MG	B	3507	1/1	0.93	0.27	42,42,42,42	0
56	MG	GB	3686	1/1	0.93	0.49	65,65,65,65	0
56	MG	GB	3342	1/1	0.93	0.41	45,45,45,45	0
56	MG	B	3830	1/1	0.93	0.15	60,60,60,60	0
56	MG	NC	107	1/1	0.93	0.14	96,96,96,96	0
56	MG	FB	1707	1/1	0.93	0.27	69,69,69,69	0
56	MG	B	3268	1/1	0.93	0.22	70,70,70,70	0
56	MG	B	2968	1/1	0.93	0.12	53,53,53,53	0
56	MG	GB	3348	1/1	0.93	0.20	59,59,59,59	0
56	MG	B	3750	1/1	0.93	0.31	57,57,57,57	0
56	MG	B	3752	1/1	0.93	0.33	53,53,53,53	0
56	MG	B	3377	1/1	0.93	0.24	44,44,44,44	0
56	MG	B	3442	1/1	0.93	0.09	58,58,58,58	0
56	MG	B	3038	1/1	0.93	0.45	48,48,48,48	0
56	MG	B	3121	1/1	0.93	0.18	43,43,43,43	0
56	MG	FB	1605	1/1	0.93	0.80	70,70,70,70	0
56	MG	B	3215	1/1	0.93	0.37	47,47,47,47	0
56	MG	GB	3200	1/1	0.93	0.78	63,63,63,63	0
56	MG	GB	3201	1/1	0.93	0.63	57,57,57,57	0
56	MG	GB	3363	1/1	0.93	0.49	75,75,75,75	0
56	MG	GB	3044	1/1	0.93	0.63	57,57,57,57	0
56	MG	FB	1945	1/1	0.93	0.14	68,68,68,68	0
56	MG	GB	3711	1/1	0.93	0.77	77,77,77,77	0
56	MG	GB	3712	1/1	0.93	0.28	66,66,66,66	0
56	MG	B	3670	1/1	0.93	0.44	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	B	3446	1/1	0.93	0.21	42,42,42,42	0
56	MG	GB	3051	1/1	0.93	0.34	67,67,67,67	0
56	MG	C	202	1/1	0.93	0.38	59,59,59,59	0
56	MG	FB	1949	1/1	0.93	0.67	82,82,82,82	0
56	MG	A	1771	1/1	0.93	0.32	80,80,80,80	0
56	MG	B	3275	1/1	0.93	0.32	49,49,49,49	0
56	MG	C	206	1/1	0.93	0.28	54,54,54,54	0
56	MG	GB	3057	1/1	0.93	0.29	44,44,44,44	0
56	MG	IA	104	1/1	0.93	0.27	44,44,44,44	0
56	MG	FB	1621	1/1	0.93	0.17	74,74,74,74	0
56	MG	GB	3060	1/1	0.93	0.33	61,61,61,61	0
56	MG	B	3081	1/1	0.93	0.37	44,44,44,44	0
56	MG	FB	1624	1/1	0.93	0.37	66,66,66,66	0
56	MG	FB	1728	1/1	0.93	0.12	81,81,81,81	0
56	MG	B	3082	1/1	0.93	0.39	44,44,44,44	0
56	MG	GB	3225	1/1	0.93	0.17	65,65,65,65	0
56	MG	GB	2919	1/1	0.93	0.54	66,66,66,66	0
56	MG	B	3330	1/1	0.93	0.34	41,41,41,41	0
56	MG	IA	109	1/1	0.93	0.11	79,79,79,79	0
56	MG	GB	3070	1/1	0.93	0.25	63,63,63,63	0
56	MG	GB	3071	1/1	0.93	0.35	56,56,56,56	0
56	MG	GB	3073	1/1	0.93	0.12	64,64,64,64	0
56	MG	B	3679	1/1	0.93	0.08	66,66,66,66	0
56	MG	GB	3233	1/1	0.93	0.16	65,65,65,65	0
56	MG	A	1865	1/1	0.93	0.68	77,77,77,77	0
56	MG	IA	113	1/1	0.93	0.28	71,71,71,71	0
56	MG	B	3224	1/1	0.93	0.14	52,52,52,52	0
56	MG	FB	1738	1/1	0.93	0.42	69,69,69,69	0
56	MG	B	3601	1/1	0.93	0.28	53,53,53,53	0
56	MG	GB	3569	1/1	0.93	0.16	55,55,55,55	0
56	MG	FB	1850	1/1	0.93	0.18	89,89,89,89	0
56	MG	A	1883	1/1	0.93	0.38	79,79,79,79	0
56	MG	B	3771	1/1	0.93	0.24	47,47,47,47	0
56	MG	GB	3244	1/1	0.93	0.23	52,52,52,52	0
56	MG	A	1705	1/1	0.93	0.14	66,66,66,66	0
56	MG	GB	2937	1/1	0.93	0.19	49,49,49,49	0
56	MG	FB	1745	1/1	0.93	0.25	67,67,67,67	0
56	MG	B	3458	1/1	0.93	0.29	41,41,41,41	0
56	MG	A	1692	1/1	0.93	0.62	63,63,63,63	0
56	MG	FB	1749	1/1	0.93	0.25	111,111,111,111	0
56	MG	GB	3412	1/1	0.93	0.10	75,75,75,75	0
56	MG	B	3250	1/1	0.94	0.22	42,42,42,42	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	B	3252	1/1	0.94	0.13	45,45,45,45	0
56	MG	B	3616	1/1	0.94	0.08	95,95,95,95	0
56	MG	GB	3292	1/1	0.94	0.21	86,86,86,86	0
56	MG	LB	305	1/1	0.94	0.27	55,55,55,55	0
56	MG	B	3069	1/1	0.94	0.25	40,40,40,40	0
56	MG	B	3107	1/1	0.94	0.15	56,56,56,56	0
56	MG	B	3770	1/1	0.94	0.41	65,65,65,65	0
56	MG	FB	1705	1/1	0.94	0.12	60,60,60,60	0
56	MG	B	3108	1/1	0.94	0.27	35,35,35,35	0
56	MG	FB	1927	1/1	0.94	0.31	69,69,69,69	0
56	MG	B	3258	1/1	0.94	0.23	49,49,49,49	0
56	MG	B	3031	1/1	0.94	0.36	54,54,54,54	0
56	MG	FA	102	1/1	0.94	0.19	58,58,58,58	0
56	MG	B	3700	1/1	0.94	0.15	46,46,46,46	0
56	MG	FB	1607	1/1	0.94	0.38	58,58,58,58	0
56	MG	B	3155	1/1	0.94	0.18	43,43,43,43	0
56	MG	A	1627	1/1	0.94	0.38	73,73,73,73	0
56	MG	GB	3456	1/1	0.94	0.19	68,68,68,68	0
56	MG	B	3072	1/1	0.94	0.18	46,46,46,46	0
56	MG	PB	204	1/1	0.94	0.10	95,95,95,95	0
56	MG	GB	3617	1/1	0.94	0.32	67,67,67,67	0
56	MG	B	3158	1/1	0.94	0.31	50,50,50,50	0
56	MG	GB	3168	1/1	0.94	0.20	61,61,61,61	0
56	MG	B	3114	1/1	0.94	0.53	49,49,49,49	0
56	MG	QB	206	1/1	0.94	0.43	63,63,63,63	0
56	MG	A	1838	1/1	0.94	0.25	106,106,106,106	0
56	MG	B	3318	1/1	0.94	0.23	49,49,49,49	0
56	MG	A	1795	1/1	0.94	0.30	110,110,110,110	0
56	MG	B	3565	1/1	0.94	0.27	49,49,49,49	0
56	MG	GB	3176	1/1	0.94	0.31	51,51,51,51	0
56	MG	L	205	1/1	0.94	0.24	61,61,61,61	0
56	MG	IA	107	1/1	0.94	0.17	76,76,76,76	0
56	MG	GB	3180	1/1	0.94	0.33	68,68,68,68	0
56	MG	B	3076	1/1	0.94	0.33	45,45,45,45	0
56	MG	C	221	1/1	0.94	0.38	70,70,70,70	0
56	MG	B	3214	1/1	0.94	0.47	83,83,83,83	0
56	MG	B	2937	1/1	0.94	0.31	50,50,50,50	0
56	MG	B	3569	1/1	0.94	0.20	61,61,61,61	0
56	MG	GB	2901	1/1	0.94	0.19	58,58,58,58	0
56	MG	N	201	1/1	0.94	0.34	51,51,51,51	0
56	MG	B	3570	1/1	0.94	0.18	65,65,65,65	0
56	MG	B	3717	1/1	0.94	0.50	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	GB	3046	1/1	0.94	0.42	55,55,55,55	0
56	MG	B	3502	1/1	0.94	0.13	48,48,48,48	0
56	MG	GB	3484	1/1	0.94	0.21	60,60,60,60	0
56	MG	GB	2910	1/1	0.94	0.48	48,48,48,48	0
56	MG	GB	3644	1/1	0.94	0.17	77,77,77,77	0
56	MG	GB	2911	1/1	0.94	0.66	45,45,45,45	0
56	MG	N	206	1/1	0.94	0.35	69,69,69,69	0
56	MG	FB	1733	1/1	0.94	0.13	62,62,62,62	0
56	MG	B	2939	1/1	0.94	0.45	48,48,48,48	0
56	MG	GB	2916	1/1	0.94	0.14	51,51,51,51	0
56	MG	GB	3492	1/1	0.94	0.34	70,70,70,70	0
56	MG	A	1654	1/1	0.94	0.18	83,83,83,83	0
56	MG	GB	3340	1/1	0.94	0.19	66,66,66,66	0
56	MG	B	3643	1/1	0.94	0.17	56,56,56,56	0
56	MG	GB	3498	1/1	0.94	0.38	74,74,74,74	0
56	MG	B	3219	1/1	0.94	0.54	43,43,43,43	0
56	MG	B	2942	1/1	0.94	0.80	58,58,58,58	0
56	MG	B	2985	1/1	0.94	0.33	46,46,46,46	0
56	MG	GB	3203	1/1	0.94	0.27	60,60,60,60	0
56	MG	C	238	1/1	0.94	0.09	91,91,91,91	0
56	MG	FB	1742	1/1	0.94	0.42	67,67,67,67	0
56	MG	B	3510	1/1	0.94	0.19	45,45,45,45	0
56	MG	GB	3507	1/1	0.94	0.09	109,109,109,109	0
56	MG	GB	3063	1/1	0.94	0.16	53,53,53,53	0
56	MG	B	3223	1/1	0.94	0.13	65,65,65,65	0
56	MG	FB	1645	1/1	0.94	0.19	56,56,56,56	0
56	MG	A	1869	1/1	0.94	1.03	79,79,79,79	0
56	MG	C	242	1/1	0.94	0.42	86,86,86,86	0
56	MG	GB	3356	1/1	0.94	0.09	134,134,134,134	0
56	MG	B	3802	1/1	0.94	0.22	77,77,77,77	0
56	MG	GB	3515	1/1	0.94	0.17	76,76,76,76	0
56	MG	B	3731	1/1	0.94	0.11	46,46,46,46	0
56	MG	FB	1860	1/1	0.94	0.38	89,89,89,89	0
56	MG	B	3128	1/1	0.94	0.24	33,33,33,33	0
56	MG	B	3088	1/1	0.94	0.18	50,50,50,50	0
56	MG	B	3047	1/1	0.94	0.31	42,42,42,42	0
56	MG	GB	3521	1/1	0.94	0.11	76,76,76,76	0
56	MG	GB	3683	1/1	0.94	0.19	64,64,64,64	0
56	MG	GB	3522	1/1	0.94	0.47	71,71,71,71	0
56	MG	GB	3365	1/1	0.94	0.42	60,60,60,60	0
56	MG	FB	1865	1/1	0.94	0.38	71,71,71,71	0
56	MG	FB	1653	1/1	0.94	0.38	65,65,65,65	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	S	206	1/1	0.94	0.23	57,57,57,57	0
56	MG	GB	3224	1/1	0.94	0.29	61,61,61,61	0
56	MG	E	302	1/1	0.94	0.14	52,52,52,52	0
56	MG	A	1641	1/1	0.94	0.43	79,79,79,79	0
56	MG	T	202	1/1	0.94	0.61	45,45,45,45	0
56	MG	B	3585	1/1	0.94	0.26	49,49,49,49	0
56	MG	B	3658	1/1	0.94	0.28	54,54,54,54	0
56	MG	B	3229	1/1	0.94	0.55	45,45,45,45	0
56	MG	A	1650	1/1	0.94	0.45	86,86,86,86	0
56	MG	B	3394	1/1	0.94	0.48	52,52,52,52	0
56	MG	GB	3089	1/1	0.94	0.13	66,66,66,66	0
56	MG	GB	3234	1/1	0.94	0.39	57,57,57,57	0
56	MG	GB	3538	1/1	0.94	0.31	58,58,58,58	0
56	MG	GB	2954	1/1	0.94	0.57	50,50,50,50	0
56	MG	B	3286	1/1	0.94	0.26	41,41,41,41	0
56	MG	B	3814	1/1	0.94	0.40	38,38,38,38	0
56	MG	GB	3384	1/1	0.94	0.57	63,63,63,63	0
56	MG	B	2990	1/1	0.94	0.47	41,41,41,41	0
56	MG	FB	1666	1/1	0.94	0.17	66,66,66,66	0
56	MG	B	3816	1/1	0.94	0.61	60,60,60,60	0
56	MG	HB	201	1/1	0.94	0.46	78,78,78,78	0
56	MG	A	1604	1/1	0.94	0.44	73,73,73,73	0
56	MG	B	3135	1/1	0.94	0.17	48,48,48,48	0
56	MG	B	2929	1/1	0.94	0.29	47,47,47,47	0
56	MG	GB	2966	1/1	0.94	0.48	56,56,56,56	0
56	MG	GB	3550	1/1	0.94	0.25	61,61,61,61	0
56	MG	FB	1886	1/1	0.94	0.15	82,82,82,82	0
56	MG	PA	202	1/1	0.94	0.37	102,102,102,102	0
56	MG	FB	1774	1/1	0.94	0.54	67,67,67,67	0
56	MG	B	2993	1/1	0.94	0.43	47,47,47,47	0
56	MG	X	101	1/1	0.94	0.28	58,58,58,58	0
56	MG	B	3020	1/1	0.94	0.32	37,37,37,37	0
56	MG	FB	1676	1/1	0.94	0.10	74,74,74,74	0
56	MG	RC	301	1/1	0.94	0.66	69,69,69,69	0
56	MG	B	3348	1/1	0.94	0.79	55,55,55,55	0
56	MG	B	2969	1/1	0.94	0.37	57,57,57,57	0
56	MG	GB	3560	1/1	0.94	0.31	60,60,60,60	0
56	MG	F	313	1/1	0.94	0.93	49,49,49,49	0
56	MG	FB	1680	1/1	0.94	0.50	87,87,87,87	0
56	MG	GB	2981	1/1	0.94	0.62	50,50,50,50	0
56	MG	B	3061	1/1	0.94	0.19	58,58,58,58	0
56	MG	B	3100	1/1	0.94	0.29	46,46,46,46	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	GB	3118	1/1	0.94	0.34	56,56,56,56	0
56	MG	G	3203	1/1	0.94	0.21	42,42,42,42	0
56	MG	FB	1900	1/1	0.94	0.10	56,56,56,56	0
56	MG	B	3143	1/1	0.94	0.62	39,39,39,39	0
56	MG	B	3025	1/1	0.94	0.31	47,47,47,47	0
56	MG	B	3537	1/1	0.94	0.19	46,46,46,46	0
56	MG	FB	1789	1/1	0.94	0.21	69,69,69,69	0
56	MG	B	3471	1/1	0.94	0.15	49,49,49,49	0
56	MG	B	2930	1/1	0.94	0.42	34,34,34,34	0
56	MG	A	1750	1/1	0.94	0.30	80,80,80,80	0
56	MG	B	3414	1/1	0.94	0.13	47,47,47,47	0
56	MG	B	3415	1/1	0.94	0.42	42,42,42,42	0
56	MG	GB	2996	1/1	0.94	0.51	57,57,57,57	0
56	MG	FB	1692	1/1	0.94	0.14	67,67,67,67	0
56	MG	YC	202	1/1	0.94	0.31	81,81,81,81	0
56	MG	B	3837	1/1	0.94	0.50	50,50,50,50	0
56	MG	JB	301	1/1	0.94	0.26	45,45,45,45	0
56	MG	GB	3276	1/1	0.94	0.12	79,79,79,79	0
56	MG	B	3545	1/1	0.94	0.12	74,74,74,74	0
56	MG	B	3066	1/1	0.94	0.09	55,55,55,55	0
56	MG	GB	3428	1/1	0.94	0.23	59,59,59,59	0
56	MG	FB	1799	1/1	0.94	0.26	71,71,71,71	0
56	MG	B	2999	1/1	0.94	0.52	35,35,35,35	0
56	MG	FB	1697	1/1	0.94	0.50	94,94,94,94	0
56	MG	FB	1698	1/1	0.94	0.17	82,82,82,82	0
56	MG	JB	310	1/1	0.94	0.12	64,64,64,64	0
56	MG	FB	1803	1/1	0.94	0.10	84,84,84,84	0
56	MG	GB	3284	1/1	0.94	0.40	64,64,64,64	0
56	MG	GB	3285	1/1	0.94	0.64	52,52,52,52	0
56	MG	GB	3593	1/1	0.94	0.38	53,53,53,53	0
56	MG	GB	3008	1/1	0.94	0.22	62,62,62,62	0
56	MG	GB	3148	1/1	0.94	0.27	59,59,59,59	0
56	MG	GB	3676	1/1	0.95	0.31	88,88,88,88	0
56	MG	B	3385	1/1	0.95	0.35	59,59,59,59	0
56	MG	GB	3315	1/1	0.95	0.13	51,51,51,51	0
56	MG	FB	1830	1/1	0.95	0.50	69,69,69,69	0
56	MG	GB	3680	1/1	0.95	0.35	60,60,60,60	0
56	MG	B	3451	1/1	0.95	0.27	53,53,53,53	0
56	MG	GB	3436	1/1	0.95	0.12	71,71,71,71	0
56	MG	B	3326	1/1	0.95	0.31	44,44,44,44	0
56	MG	B	3086	1/1	0.95	0.22	43,43,43,43	0
56	MG	B	3522	1/1	0.95	0.17	49,49,49,49	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	GB	2989	1/1	0.95	0.81	59,59,59,59	0
56	MG	B	3220	1/1	0.95	0.17	46,46,46,46	0
56	MG	B	3126	1/1	0.95	0.20	43,43,43,43	0
56	MG	B	3045	1/1	0.95	0.21	43,43,43,43	0
56	MG	GB	3100	1/1	0.95	0.38	58,58,58,58	0
56	MG	GB	3212	1/1	0.95	0.56	55,55,55,55	0
56	MG	GB	3213	1/1	0.95	0.22	59,59,59,59	0
56	MG	B	3046	1/1	0.95	0.31	34,34,34,34	0
56	MG	B	2913	1/1	0.95	0.36	38,38,38,38	0
56	MG	B	3459	1/1	0.95	0.10	46,46,46,46	0
56	MG	B	3602	1/1	0.95	0.15	54,54,54,54	0
56	MG	GB	3698	1/1	0.95	0.11	68,68,68,68	0
56	MG	B	3678	1/1	0.95	0.16	57,57,57,57	0
56	MG	A	1653	1/1	0.95	0.71	74,74,74,74	0
56	MG	B	2988	1/1	0.95	0.42	38,38,38,38	0
56	MG	B	3016	1/1	0.95	0.09	76,76,76,76	0
56	MG	B	3534	1/1	0.95	0.40	45,45,45,45	0
56	MG	GB	3337	1/1	0.95	0.22	58,58,58,58	0
56	MG	A	1676	1/1	0.95	0.59	80,80,80,80	0
56	MG	B	3180	1/1	0.95	0.17	58,58,58,58	0
56	MG	B	2941	1/1	0.95	0.42	49,49,49,49	0
56	MG	GB	3581	1/1	0.95	0.15	69,69,69,69	0
56	MG	A	1639	1/1	0.95	0.38	61,61,61,61	0
56	MG	B	2966	1/1	0.95	0.25	60,60,60,60	0
56	MG	GB	3343	1/1	0.95	0.20	57,57,57,57	0
56	MG	A	1644	1/1	0.95	0.12	62,62,62,62	0
56	MG	FB	1673	1/1	0.95	0.68	113,113,113,113	0
56	MG	B	3024	1/1	0.95	0.50	40,40,40,40	0
56	MG	B	3694	1/1	0.95	1.12	54,54,54,54	0
56	MG	GB	3120	1/1	0.95	0.27	79,79,79,79	0
56	MG	GB	3013	1/1	0.95	0.53	56,56,56,56	0
56	MG	A	1758	1/1	0.95	0.38	77,77,77,77	0
56	MG	GB	2903	1/1	0.95	0.39	36,36,36,36	0
56	MG	GB	2904	1/1	0.95	0.61	57,57,57,57	0
56	MG	GB	3475	1/1	0.95	0.15	79,79,79,79	0
56	MG	B	3026	1/1	0.95	0.33	40,40,40,40	0
56	MG	B	2922	1/1	0.95	0.35	51,51,51,51	0
56	MG	GB	3128	1/1	0.95	0.55	58,58,58,58	0
56	MG	B	3698	1/1	0.95	0.51	77,77,77,77	0
56	MG	B	2923	1/1	0.95	0.39	40,40,40,40	0
56	MG	GB	3131	1/1	0.95	0.21	71,71,71,71	0
56	MG	B	3409	1/1	0.95	0.20	105,105,105,105	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	K	204	1/1	0.95	0.71	65,65,65,65	0
56	MG	B	3410	1/1	0.95	0.66	49,49,49,49	0
56	MG	B	3477	1/1	0.95	0.09	43,43,43,43	0
56	MG	GB	3366	1/1	0.95	0.20	65,65,65,65	0
56	MG	C	215	1/1	0.95	0.15	58,58,58,58	0
56	MG	B	3067	1/1	0.95	0.23	50,50,50,50	0
56	MG	A	1608	1/1	0.95	0.76	55,55,55,55	0
56	MG	EA	102	1/1	0.95	0.36	44,44,44,44	0
56	MG	GB	2920	1/1	0.95	0.61	57,57,57,57	0
56	MG	NC	109	1/1	0.95	0.44	89,89,89,89	0
56	MG	B	2928	1/1	0.95	0.36	39,39,39,39	0
56	MG	GB	3143	1/1	0.95	0.06	78,78,78,78	0
56	MG	GB	3144	1/1	0.95	0.26	57,57,57,57	0
56	MG	B	3244	1/1	0.95	0.40	53,53,53,53	0
56	MG	B	3483	1/1	0.95	0.15	48,48,48,48	0
56	MG	GB	3618	1/1	0.95	0.20	109,109,109,109	0
56	MG	B	3148	1/1	0.95	0.06	67,67,67,67	0
56	MG	B	3032	1/1	0.95	0.34	43,43,43,43	0
56	MG	B	2975	1/1	0.95	0.24	49,49,49,49	0
56	MG	C	227	1/1	0.95	0.22	64,64,64,64	0
56	MG	B	3109	1/1	0.95	0.20	53,53,53,53	0
56	MG	B	3712	1/1	0.95	0.36	59,59,59,59	0
56	MG	M	207	1/1	0.95	0.93	51,51,51,51	0
56	MG	FB	1610	1/1	0.95	0.18	68,68,68,68	0
56	MG	B	3249	1/1	0.95	0.27	43,43,43,43	0
56	MG	FB	1612	1/1	0.95	0.53	63,63,63,63	0
56	MG	A	1784	1/1	0.95	0.44	85,85,85,85	0
56	MG	B	3305	1/1	0.95	0.23	49,49,49,49	0
56	MG	A	1774	1/1	0.95	0.28	106,106,106,106	0
56	MG	N	204	1/1	0.95	0.35	61,61,61,61	0
56	MG	B	2955	1/1	0.95	0.11	46,46,46,46	0
56	MG	B	3075	1/1	0.95	0.40	42,42,42,42	0
56	MG	B	3428	1/1	0.95	0.18	48,48,48,48	0
56	MG	RC	303	1/1	0.95	0.32	75,75,75,75	0
56	MG	GB	2946	1/1	0.95	0.45	52,52,52,52	0
56	MG	RC	305	1/1	0.95	0.16	75,75,75,75	0
56	MG	B	3365	1/1	0.95	0.36	73,73,73,73	0
56	MG	RC	307	1/1	0.95	0.12	85,85,85,85	0
56	MG	FB	1623	1/1	0.95	0.29	53,53,53,53	0
56	MG	A	1807	1/1	0.95	0.42	87,87,87,87	0
56	MG	B	3256	1/1	0.95	0.16	38,38,38,38	0
56	MG	A	1766	1/1	0.95	0.17	103,103,103,103	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	GB	3402	1/1	0.95	0.09	66,66,66,66	0
56	MG	B	3259	1/1	0.95	0.36	38,38,38,38	0
56	MG	Q	201	1/1	0.95	0.31	62,62,62,62	0
56	MG	B	3117	1/1	0.95	0.45	48,48,48,48	0
56	MG	B	3008	1/1	0.95	0.13	80,80,80,80	0
56	MG	IA	121	1/1	0.95	0.14	79,79,79,79	0
56	MG	GB	3178	1/1	0.95	0.09	50,50,50,50	0
56	MG	B	3729	1/1	0.95	0.10	93,93,93,93	0
56	MG	B	3730	1/1	0.95	0.13	55,55,55,55	0
56	MG	A	1855	1/1	0.95	0.42	89,89,89,89	0
56	MG	B	3209	1/1	0.95	0.26	51,51,51,51	0
56	MG	B	3161	1/1	0.95	0.32	38,38,38,38	0
56	MG	B	3080	1/1	0.95	0.10	66,66,66,66	0
56	MG	B	3509	1/1	0.95	0.09	52,52,52,52	0
56	MG	GB	3072	1/1	0.95	0.59	49,49,49,49	0
56	MG	B	3376	1/1	0.95	0.07	133,133,133,133	0
56	MG	FB	1816	1/1	0.95	0.37	75,75,75,75	0
56	MG	GB	3660	1/1	0.95	0.61	46,46,46,46	0
56	MG	GB	3075	1/1	0.95	0.20	65,65,65,65	0
56	MG	A	1767	1/1	0.95	0.11	77,77,77,77	0
56	MG	B	3164	1/1	0.95	0.21	46,46,46,46	0
56	MG	B	3216	1/1	0.95	0.17	51,51,51,51	0
56	MG	T	201	1/1	0.95	0.22	42,42,42,42	0
56	MG	GB	2975	1/1	0.95	0.25	61,61,61,61	0
56	MG	B	3740	1/1	0.95	0.70	70,70,70,70	0
56	MG	RB	205	1/1	0.95	0.35	55,55,55,55	0
56	MG	GB	3669	1/1	0.95	0.14	57,57,57,57	0
56	MG	B	3270	1/1	0.95	0.85	56,56,56,56	0
56	MG	B	3122	1/1	0.95	0.37	46,46,46,46	0
56	MG	B	3324	1/1	0.95	0.50	44,44,44,44	0
56	MG	FB	1735	1/1	0.95	0.08	85,85,85,85	0
56	MG	TB	202	1/1	0.95	0.41	72,72,72,72	0
56	MG	B	3043	1/1	0.95	0.24	54,54,54,54	0
57	ZN	HC	101	1/1	0.95	0.18	86,86,86,86	0
56	MG	B	3524	1/1	0.96	0.23	48,48,48,48	0
56	MG	B	3447	1/1	0.96	0.12	63,63,63,63	0
56	MG	A	1662	1/1	0.96	0.63	95,95,95,95	0
56	MG	A	1658	1/1	0.96	0.16	87,87,87,87	0
56	MG	DC	101	1/1	0.96	0.35	60,60,60,60	0
56	MG	A	1742	1/1	0.96	0.51	66,66,66,66	0
56	MG	B	3489	1/1	0.96	0.75	40,40,40,40	0
56	MG	IA	112	1/1	0.96	0.28	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	B	3171	1/1	0.96	0.19	48,48,48,48	0
56	MG	B	3257	1/1	0.96	0.25	54,54,54,54	0
56	MG	B	3123	1/1	0.96	0.58	33,33,33,33	0
56	MG	B	3200	1/1	0.96	0.26	66,66,66,66	0
56	MG	B	3621	1/1	0.96	0.16	49,49,49,49	0
56	MG	B	3350	1/1	0.96	0.14	40,40,40,40	0
56	MG	GB	2960	1/1	0.96	0.26	63,63,63,63	0
56	MG	B	3260	1/1	0.96	0.39	47,47,47,47	0
56	MG	GB	3290	1/1	0.96	0.18	48,48,48,48	0
56	MG	BB	101	1/1	0.96	0.32	127,127,127,127	0
56	MG	GB	2964	1/1	0.96	0.32	59,59,59,59	0
56	MG	B	2914	1/1	0.96	0.28	47,47,47,47	0
56	MG	FB	1864	1/1	0.96	0.29	103,103,103,103	0
56	MG	B	3421	1/1	0.96	0.10	80,80,80,80	0
56	MG	B	3582	1/1	0.96	0.16	46,46,46,46	0
56	MG	A	1863	1/1	0.96	0.23	93,93,93,93	0
56	MG	A	1842	1/1	0.96	0.15	67,67,67,67	0
56	MG	B	3831	1/1	0.96	0.22	43,43,43,43	0
56	MG	GB	3216	1/1	0.96	0.47	60,60,60,60	0
56	MG	GB	3668	1/1	0.96	0.37	68,68,68,68	0
56	MG	GB	3390	1/1	0.96	0.19	47,47,47,47	0
56	MG	B	2905	1/1	0.96	0.29	45,45,45,45	0
56	MG	FB	1606	1/1	0.96	0.45	57,57,57,57	0
56	MG	FB	1872	1/1	0.96	0.14	87,87,87,87	0
56	MG	GB	3304	1/1	0.96	0.91	58,58,58,58	0
56	MG	GB	3138	1/1	0.96	0.30	67,67,67,67	0
56	MG	B	3542	1/1	0.96	0.31	66,66,66,66	0
56	MG	GB	2977	1/1	0.96	0.51	52,52,52,52	0
56	MG	FB	1608	1/1	0.96	0.29	72,72,72,72	0
56	MG	A	1647	1/1	0.96	0.20	82,82,82,82	0
56	MG	B	3179	1/1	0.96	0.38	47,47,47,47	0
56	MG	FB	1877	1/1	0.96	0.29	80,80,80,80	0
56	MG	GB	3496	1/1	0.96	0.17	70,70,70,70	0
56	MG	B	2954	1/1	0.96	0.56	42,42,42,42	0
56	MG	B	3684	1/1	0.96	0.08	61,61,61,61	0
56	MG	B	3084	1/1	0.96	0.35	42,42,42,42	0
56	MG	E	306	1/1	0.96	0.09	51,51,51,51	0
56	MG	E	307	1/1	0.96	0.37	55,55,55,55	0
56	MG	B	3686	1/1	0.96	0.26	43,43,43,43	0
56	MG	GB	3068	1/1	0.96	0.30	66,66,66,66	0
56	MG	FB	1747	1/1	0.96	0.16	101,101,101,101	0
56	MG	B	3506	1/1	0.96	0.10	46,46,46,46	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	FB	1618	1/1	0.96	0.29	67,67,67,67	0
56	MG	A	1701	1/1	0.96	0.32	56,56,56,56	0
56	MG	B	3431	1/1	0.96	0.61	47,47,47,47	0
56	MG	GB	3239	1/1	0.96	0.17	54,54,54,54	0
56	MG	GB	2912	1/1	0.96	0.73	57,57,57,57	0
56	MG	GB	3158	1/1	0.96	0.13	52,52,52,52	0
56	MG	B	3690	1/1	0.96	0.13	59,59,59,59	0
56	MG	RB	206	1/1	0.96	0.45	59,59,59,59	0
56	MG	B	3037	1/1	0.96	0.13	52,52,52,52	0
56	MG	B	3641	1/1	0.96	0.18	50,50,50,50	0
56	MG	GB	2998	1/1	0.96	0.17	55,55,55,55	0
56	MG	GB	3421	1/1	0.96	0.28	77,77,77,77	0
56	MG	RC	311	1/1	0.96	0.29	78,78,78,78	0
56	MG	C	204	1/1	0.96	0.21	54,54,54,54	0
56	MG	GB	3609	1/1	0.96	0.20	73,73,73,73	0
56	MG	B	3329	1/1	0.96	0.21	47,47,47,47	0
56	MG	GB	3707	1/1	0.96	0.42	42,42,42,42	0
56	MG	GB	3708	1/1	0.96	0.29	71,71,71,71	0
56	MG	B	2921	1/1	0.96	0.75	42,42,42,42	0
56	MG	CA	103	1/1	0.96	0.29	49,49,49,49	0
56	MG	B	2957	1/1	0.96	0.11	45,45,45,45	0
56	MG	B	3332	1/1	0.96	0.18	65,65,65,65	0
56	MG	OA	201	1/1	0.96	0.26	72,72,72,72	0
56	MG	A	1739	1/1	0.96	0.25	59,59,59,59	0
56	MG	FB	1829	1/1	0.96	0.29	69,69,69,69	0
56	MG	GB	3172	1/1	0.96	0.14	57,57,57,57	0
56	MG	B	2910	1/1	0.96	0.30	34,34,34,34	0
56	MG	B	3304	1/1	0.96	0.60	43,43,43,43	0
56	MG	GB	2928	1/1	0.96	0.46	77,77,77,77	0
56	MG	GB	2929	1/1	0.96	0.47	46,46,46,46	0
56	MG	B	3751	1/1	0.96	0.20	48,48,48,48	0
56	MG	B	3603	1/1	0.96	0.55	48,48,48,48	0
56	MG	B	2978	1/1	0.96	0.31	44,44,44,44	0
56	MG	GB	3627	1/1	0.96	0.43	60,60,60,60	0
56	MG	B	3022	1/1	0.96	0.24	45,45,45,45	0
56	MG	B	3654	1/1	0.96	0.13	66,66,66,66	0
56	MG	FB	1640	1/1	0.96	0.54	64,64,64,64	0
56	MG	G	3206	1/1	0.96	0.21	58,58,58,58	0
56	MG	B	2924	1/1	0.96	0.42	35,35,35,35	0
56	MG	B	2980	1/1	0.96	0.49	54,54,54,54	0
56	MG	GB	3355	1/1	0.96	0.32	69,69,69,69	0
56	MG	B	3141	1/1	0.96	0.22	44,44,44,44	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	GB	3357	1/1	0.96	0.18	152,152,152,152	0
56	MG	GB	3358	1/1	0.96	0.21	87,87,87,87	0
56	MG	C	220	1/1	0.96	0.16	83,83,83,83	0
56	MG	B	3408	1/1	0.96	0.33	55,55,55,55	0
56	MG	C	222	1/1	0.96	0.09	105,105,105,105	0
56	MG	B	2943	1/1	0.96	0.31	37,37,37,37	0
56	MG	GB	2948	1/1	0.97	0.33	51,51,51,51	0
56	MG	B	3236	1/1	0.97	0.34	44,44,44,44	0
56	MG	B	3480	1/1	0.97	0.12	44,44,44,44	0
56	MG	B	3840	1/1	0.97	0.27	48,48,48,48	0
56	MG	B	3085	1/1	0.97	0.11	38,38,38,38	0
56	MG	B	3552	1/1	0.97	0.21	46,46,46,46	0
56	MG	B	2951	1/1	0.97	0.47	43,43,43,43	0
56	MG	GB	3079	1/1	0.97	0.36	62,62,62,62	0
56	MG	GB	3494	1/1	0.97	0.51	67,67,67,67	0
56	MG	B	3210	1/1	0.97	0.22	54,54,54,54	0
56	MG	B	3672	1/1	0.97	0.20	52,52,52,52	0
56	MG	B	3184	1/1	0.97	0.25	46,46,46,46	0
56	MG	B	2908	1/1	0.97	0.36	42,42,42,42	0
56	MG	B	2903	1/1	0.97	0.50	35,35,35,35	0
56	MG	B	2904	1/1	0.97	0.40	46,46,46,46	0
56	MG	A	1614	1/1	0.97	0.52	52,52,52,52	0
56	MG	B	3009	1/1	0.97	0.21	72,72,72,72	0
56	MG	GB	3503	1/1	0.97	0.55	52,52,52,52	0
56	MG	A	1793	1/1	0.97	0.11	116,116,116,116	0
56	MG	E	309	1/1	0.97	0.26	53,53,53,53	0
56	MG	GB	2906	1/1	0.97	0.53	53,53,53,53	0
56	MG	GB	3091	1/1	0.97	0.22	57,57,57,57	0
56	MG	B	3639	1/1	0.97	0.14	46,46,46,46	0
56	MG	B	3491	1/1	0.97	0.15	48,48,48,48	0
56	MG	GB	2909	1/1	0.97	0.64	38,38,38,38	0
56	MG	B	3526	1/1	0.97	0.63	49,49,49,49	0
56	MG	B	3427	1/1	0.97	0.34	47,47,47,47	0
56	MG	B	3029	1/1	0.97	0.26	41,41,41,41	0
56	MG	GB	2973	1/1	0.97	0.26	50,50,50,50	0
56	MG	GB	3099	1/1	0.97	0.49	48,48,48,48	0
56	MG	FB	1853	1/1	0.97	0.33	126,126,126,126	0
56	MG	M	202	1/1	0.97	0.10	58,58,58,58	0
56	MG	B	2926	1/1	0.97	0.52	36,36,36,36	0
56	MG	GB	3037	1/1	0.97	0.17	52,52,52,52	0
56	MG	B	2982	1/1	0.97	0.15	42,42,42,42	0
56	MG	B	3096	1/1	0.97	0.35	54,54,54,54	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	M	206	1/1	0.97	0.11	49,49,49,49	0
56	MG	Y	101	1/1	0.97	0.14	49,49,49,49	0
56	MG	B	3647	1/1	0.97	0.15	48,48,48,48	0
56	MG	B	3251	1/1	0.97	0.54	53,53,53,53	0
56	MG	B	3144	1/1	0.97	0.49	40,40,40,40	0
56	MG	B	2997	1/1	0.97	0.45	42,42,42,42	0
56	MG	GB	3673	1/1	0.97	0.33	50,50,50,50	0
56	MG	GB	2924	1/1	0.97	0.53	51,51,51,51	0
56	MG	GB	3113	1/1	0.97	0.28	69,69,69,69	0
56	MG	B	3820	1/1	0.97	0.12	54,54,54,54	0
56	MG	GB	3049	1/1	0.97	0.50	61,61,61,61	0
56	MG	GB	3388	1/1	0.97	0.32	64,64,64,64	0
56	MG	B	2936	1/1	0.97	0.74	34,34,34,34	0
56	MG	F	314	1/1	0.97	0.28	39,39,39,39	0
56	MG	B	3652	1/1	0.97	0.18	56,56,56,56	0
56	MG	VC	201	1/1	0.97	0.34	77,77,77,77	0
56	MG	B	3779	1/1	0.97	0.23	58,58,58,58	0
56	MG	G	3202	1/1	0.97	0.52	34,34,34,34	0
56	MG	GB	3610	1/1	0.97	0.35	78,78,78,78	0
56	MG	B	2970	1/1	0.97	0.60	36,36,36,36	0
56	MG	GB	3464	1/1	0.97	0.14	83,83,83,83	0
56	MG	C	226	1/1	0.97	0.10	89,89,89,89	0
56	MG	B	3053	1/1	0.97	0.10	46,46,46,46	0
56	MG	GB	3124	1/1	0.97	0.12	79,79,79,79	0
56	MG	B	2927	1/1	0.97	0.42	50,50,50,50	0
56	MG	B	2938	1/1	0.97	0.21	55,55,55,55	0
56	MG	LB	303	1/1	0.97	0.66	53,53,53,53	0
56	MG	GB	2997	1/1	0.97	0.24	68,68,68,68	0
56	MG	B	3057	1/1	0.97	0.13	61,61,61,61	0
56	MG	GB	2938	1/1	0.97	0.26	45,45,45,45	0
56	MG	B	3378	1/1	0.97	0.25	111,111,111,111	0
56	MG	B	3058	1/1	0.97	0.45	48,48,48,48	0
56	MG	GB	3697	1/1	0.97	0.46	69,69,69,69	0
56	MG	B	3543	1/1	0.97	0.15	44,44,44,44	0
56	MG	GB	3268	1/1	0.97	0.47	42,42,42,42	0
56	MG	B	3059	1/1	0.97	0.27	43,43,43,43	0
56	MG	C	235	1/1	0.97	0.14	73,73,73,73	0
56	MG	HD	201	1/1	0.97	0.79	79,79,79,79	0
56	MG	B	3475	1/1	0.97	0.51	46,46,46,46	0
57	ZN	DA	101	1/1	0.97	0.10	71,71,71,71	0
56	MG	B	3233	1/1	0.97	0.10	51,51,51,51	0
56	MG	B	3002	1/1	0.97	0.28	38,38,38,38	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	B	2902	1/1	0.97	0.50	35,35,35,35	0
56	MG	FB	1619	1/1	0.98	0.28	58,58,58,58	0
56	MG	B	3692	1/1	0.98	0.20	51,51,51,51	0
56	MG	GB	2962	1/1	0.98	0.28	61,61,61,61	0
56	MG	B	3784	1/1	0.98	0.41	44,44,44,44	0
56	MG	B	3833	1/1	0.98	0.56	48,48,48,48	0
56	MG	GB	2931	1/1	0.98	0.22	47,47,47,47	0
56	MG	B	3333	1/1	0.98	0.10	78,78,78,78	0
56	MG	GB	3175	1/1	0.98	0.26	52,52,52,52	0
56	MG	B	3021	1/1	0.98	0.21	43,43,43,43	0
56	MG	GB	3466	1/1	0.98	0.17	80,80,80,80	0
56	MG	HB	229	1/1	0.98	0.14	100,100,100,100	0
56	MG	B	3403	1/1	0.98	0.16	50,50,50,50	0
56	MG	B	3055	1/1	0.98	0.37	37,37,37,37	0
56	MG	B	3168	1/1	0.98	0.48	35,35,35,35	0
56	MG	GB	3470	1/1	0.98	0.40	73,73,73,73	0
56	MG	B	3065	1/1	0.98	0.15	63,63,63,63	0
56	MG	A	1781	1/1	0.98	0.18	95,95,95,95	0
56	MG	JA	409	1/1	0.98	0.23	89,89,89,89	0
56	MG	QB	203	1/1	0.98	0.12	69,69,69,69	0
56	MG	B	2996	1/1	0.98	0.32	38,38,38,38	0
56	MG	FB	1744	1/1	0.98	0.25	55,55,55,55	0
56	MG	GB	3710	1/1	0.98	0.39	61,61,61,61	0
56	MG	O	201	1/1	0.98	0.12	76,76,76,76	0
56	MG	GB	3045	1/1	0.98	0.39	51,51,51,51	0
56	MG	B	3111	1/1	0.98	0.47	33,33,33,33	0
56	MG	B	2916	1/1	0.98	0.44	36,36,36,36	0
56	MG	B	2948	1/1	0.98	0.61	43,43,43,43	0
56	MG	B	3726	1/1	0.98	0.33	50,50,50,50	0
56	MG	A	1839	1/1	0.98	0.22	85,85,85,85	0
56	MG	B	3176	1/1	0.98	0.24	53,53,53,53	0
56	MG	B	2974	1/1	0.98	0.11	39,39,39,39	0
56	MG	GB	3485	1/1	0.98	0.15	68,68,68,68	0
56	MG	B	3013	1/1	0.98	0.25	50,50,50,50	0
56	MG	B	3083	1/1	0.98	0.15	40,40,40,40	0
56	MG	B	3417	1/1	0.98	0.61	57,57,57,57	0
56	MG	FB	1937	1/1	0.98	0.94	65,65,65,65	0
56	MG	B	3208	1/1	0.98	0.29	47,47,47,47	0
56	MG	FB	1845	1/1	0.98	0.85	74,74,74,74	0
56	MG	B	3300	1/1	0.98	0.09	50,50,50,50	0
56	MG	B	3631	1/1	0.98	0.60	50,50,50,50	0
56	MG	B	3713	1/1	0.98	0.15	46,46,46,46	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	FB	1818	1/1	0.98	0.11	83,83,83,83	0
56	MG	B	3044	1/1	0.99	0.57	40,40,40,40	0
56	MG	B	3213	1/1	0.99	0.18	48,48,48,48	0
56	MG	B	2932	1/1	0.99	0.19	52,52,52,52	0
57	ZN	V	501	1/1	0.99	0.09	72,72,72,72	0
56	MG	B	3595	1/1	0.99	0.45	75,75,75,75	0
57	ZN	CA	101	1/1	0.99	0.20	62,62,62,62	0
56	MG	A	1736	1/1	0.99	0.12	53,53,53,53	0
57	ZN	GA	101	1/1	0.99	0.13	70,70,70,70	0
56	MG	GB	3305	1/1	0.99	0.42	49,49,49,49	0
56	MG	J	203	1/1	0.99	0.15	80,80,80,80	0
56	MG	B	3556	1/1	0.99	0.34	45,45,45,45	0
57	ZN	IC	101	1/1	0.99	0.06	91,91,91,91	0
57	ZN	LC	101	1/1	0.99	0.11	97,97,97,97	0

6.5 Other polymers (i)

There are no such residues in this entry.