wwPDB X-ray Structure Validation Summary Report (i)

Sep 14, 2023 – 11:44 PM EDT

PDB ID	:	4V6G
Title	:	Initiation complex of 70S ribosome with two tRNAs and mRNA.
Authors	:	Jenner, L.B.; Yusupova, G.; Yusupov, M.
Deposited on	:	2009-07-10
Resolution	:	3.50 Å(reported)

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

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

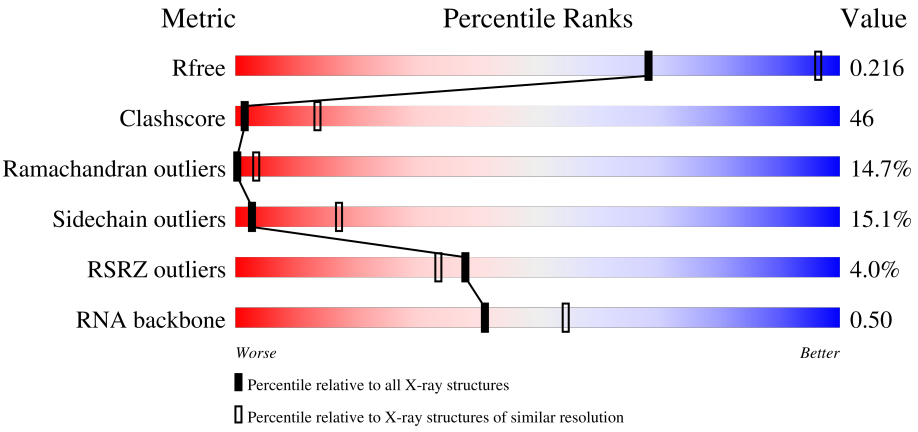
MolProbity	:	4.02b-467
Xtriage (Phenix)	:	1.13
EDS	:	2.35.1
Percentile statistics	:	20191225.v01 (using entries in the PDB archive December 25th 2019)
Refmac	:	5.8.0158
CCP4	:	7.0.044 (Gargrove)
Ideal geometry (proteins)	:	Engh & Huber (2001)
Ideal geometry (DNA, RNA)	:	Parkinson et al. (1996)
Validation 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 3.50 Å.

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



Metric	Whole archive (#Entries)	Similar resolution (#Entries, resolution range(Å))
R_{free}	130704	1659 (3.60-3.40)
Clashscore	141614	1036 (3.58-3.42)
Ramachandran outliers	138981	1005 (3.58-3.42)
Sidechain outliers	138945	1006 (3.58-3.42)
RSRZ outliers	127900	1559 (3.60-3.40)
RNA backbone	3102	1002 (4.00-3.00)

The table below summarises the geometric issues observed across the polymeric chains and their fit to the electron density. The red, orange, yellow and green segments 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	AA	1517	25% 50% 22% ·
1	CA	1517	% 25% 52% 20% ·
2	AE	256	17% 9% 57% 23% · 8%
2	CE	256	18% 17% 59% 16% · 7%

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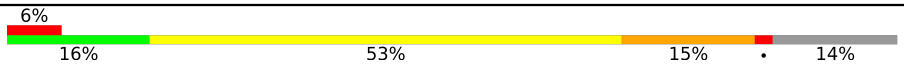
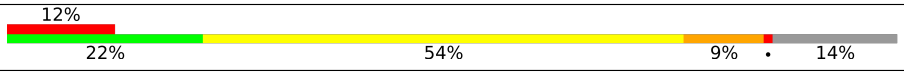
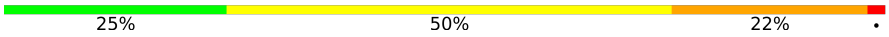
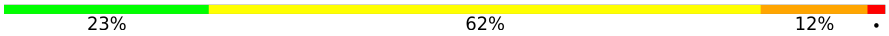
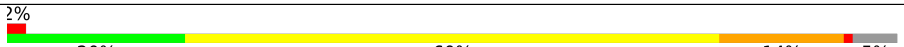
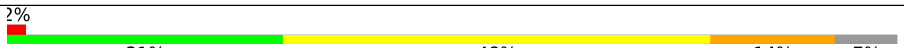
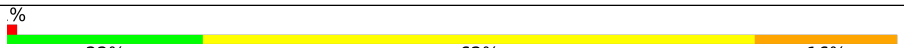
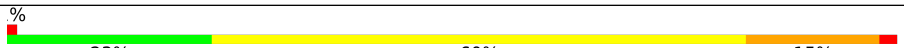
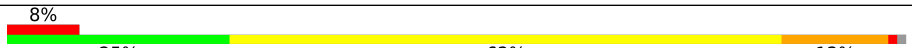
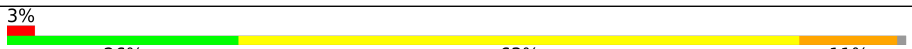
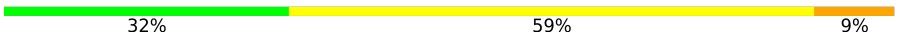
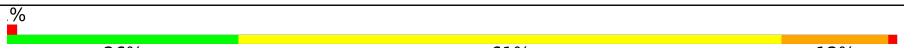
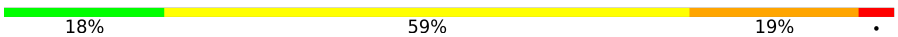
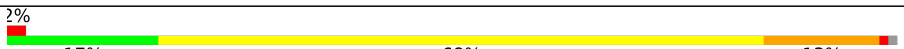
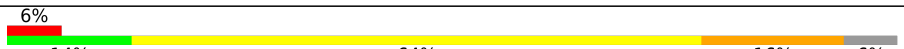
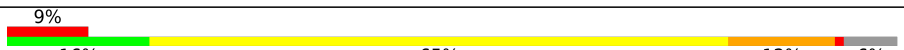
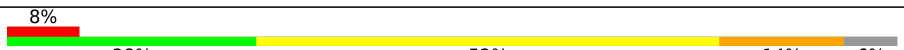
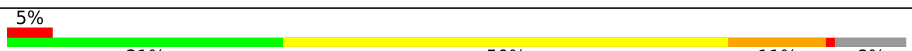
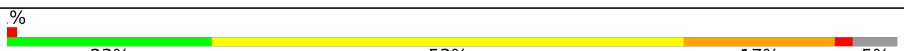
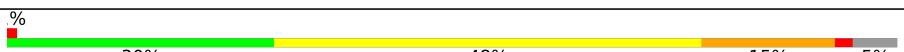
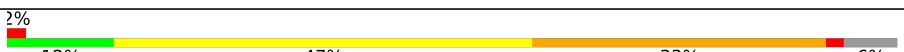
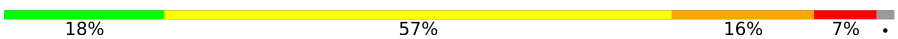
Mol	Chain	Length	Quality of chain
3	AF	239	
3	CF	239	
4	AG	209	
4	CG	209	
5	AH	162	
5	CH	162	
6	AI	101	
6	CI	101	
7	AJ	156	
7	CJ	156	
8	AK	138	
8	CK	138	
9	AL	128	
9	CL	128	
10	AM	105	
10	CM	105	
11	AN	129	
11	CN	129	
12	AO	132	
12	CO	132	
13	AP	126	
13	CP	126	
14	AQ	61	
14	CQ	61	
15	AR	89	

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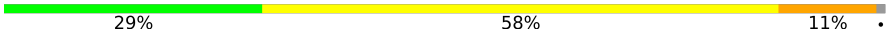
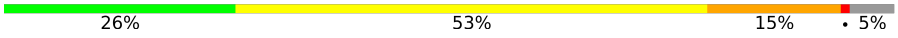
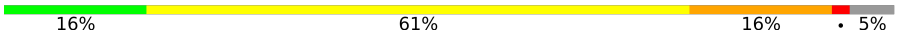
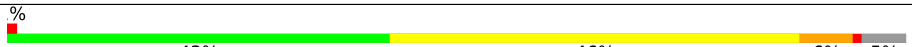
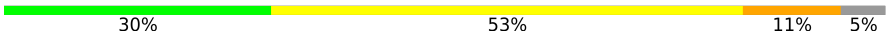
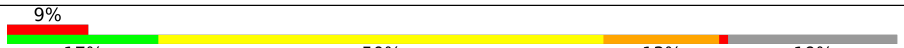
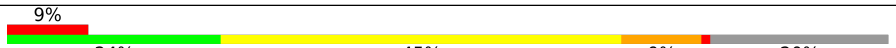
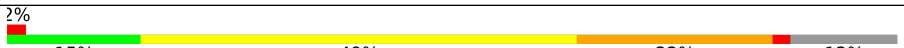
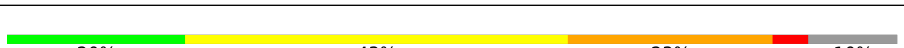
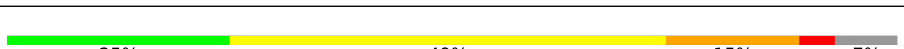
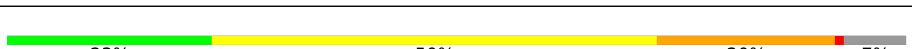
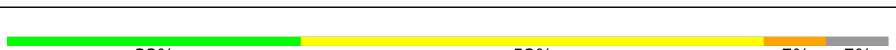
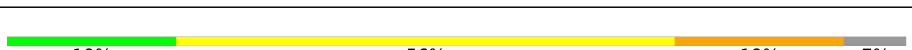
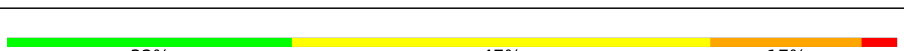
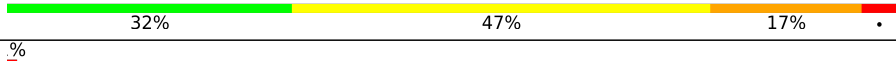
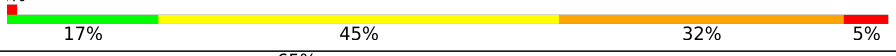
Mol	Chain	Length	Quality of chain
15	CR	89	
16	AS	88	
16	CS	88	
17	AT	105	
17	CT	105	
18	AU	88	
18	CU	88	
19	AV	93	
19	CV	93	
20	AW	106	
20	CW	106	
21	AX	27	
21	CX	27	
22	AC	77	
22	AD	77	
22	CB	77	
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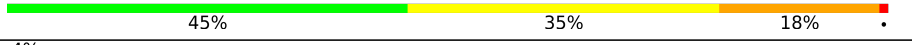
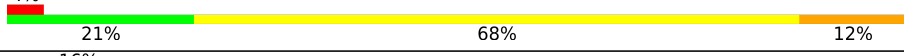
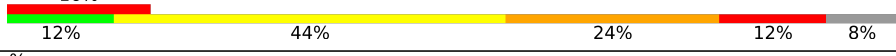
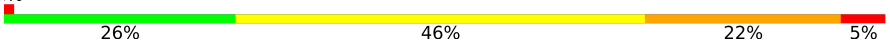
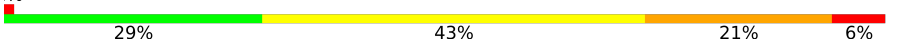
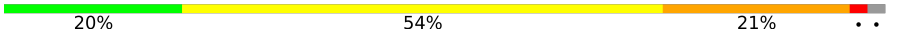
22	CD	77	
23	A1	25	
23	C1	25	
24	BA	2898	
24	DA	2898	
25	BB	122	
25	DB	122	
26	BD	276	

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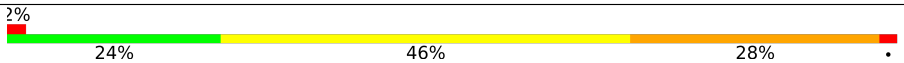
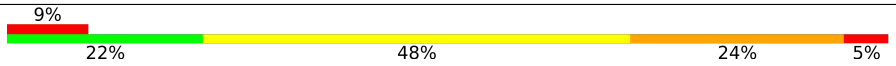
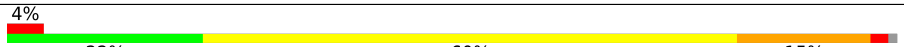
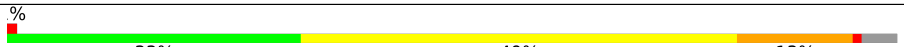
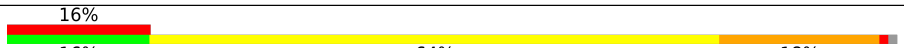
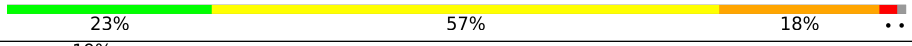
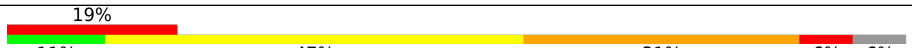
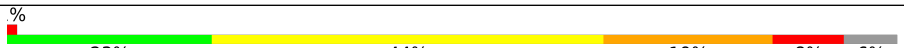
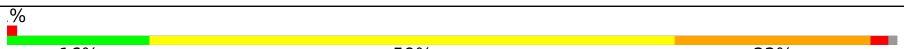
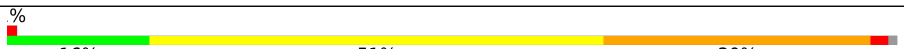
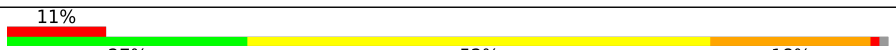
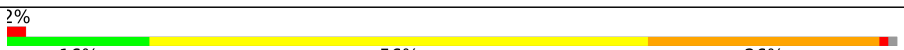
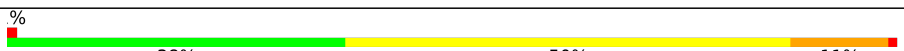
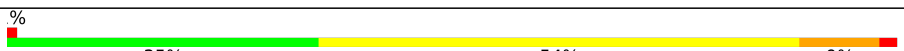
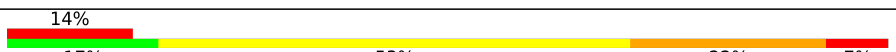
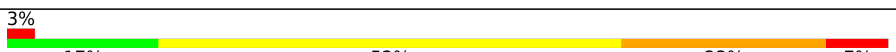
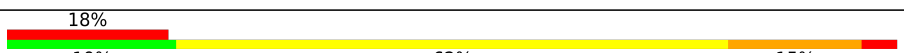
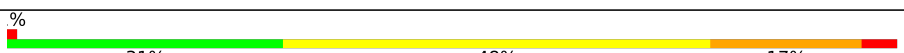
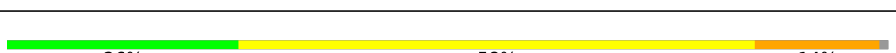
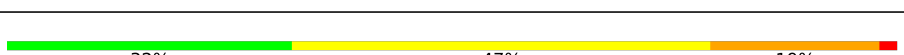
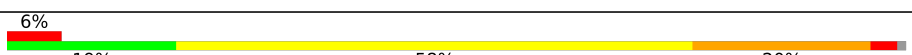
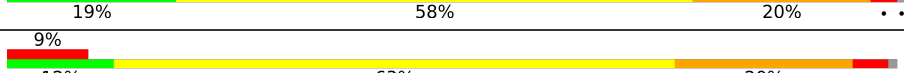
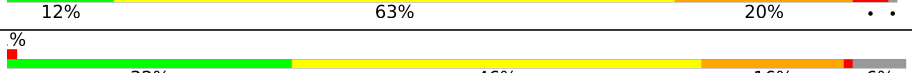
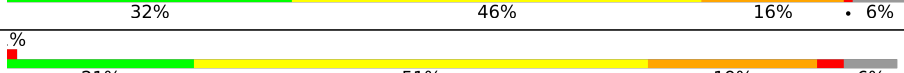
Mol	Chain	Length	Quality of chain
26	DD	276	
27	BE	206	
27	DE	206	
28	BF	210	
28	DF	210	
29	BG	182	
29	DG	182	
30	BH	180	
30	DH	180	
31	BK	148	
31	DK	148	
32	BM	140	
32	DM	140	
33	BN	122	
33	DN	122	
34	BO	150	
34	DO	150	
35	BP	141	
35	DP	141	
36	B0	118	
36	D0	118	
37	BQ	112	
37	DQ	112	
38	BR	146	
38	DR	146	

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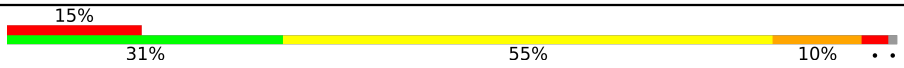
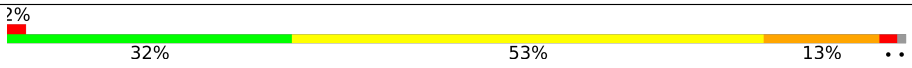
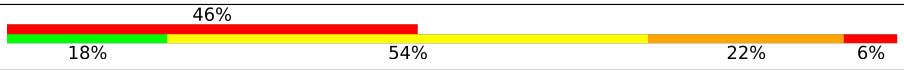
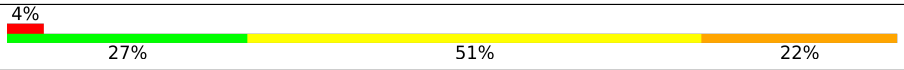
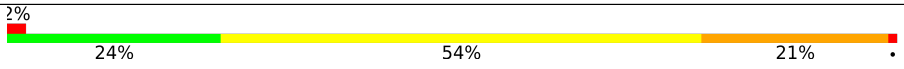
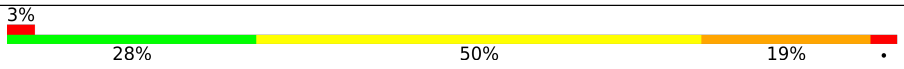
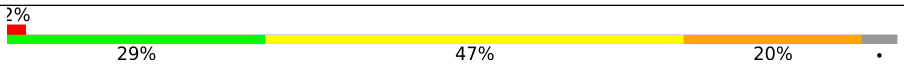
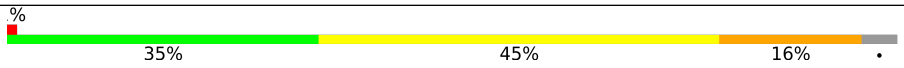
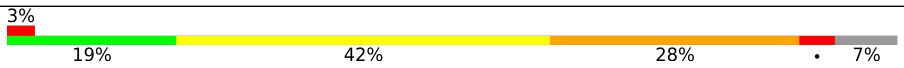
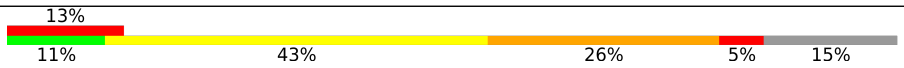
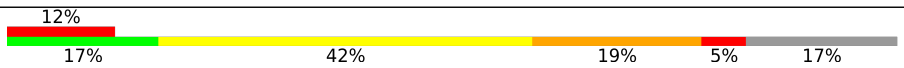
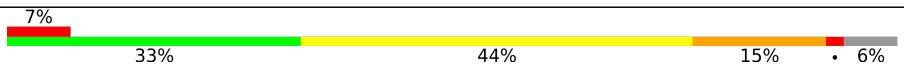
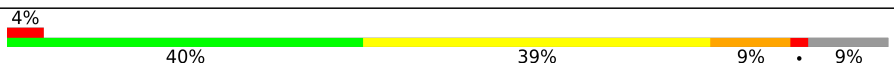
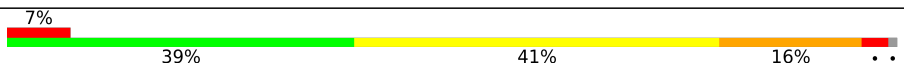
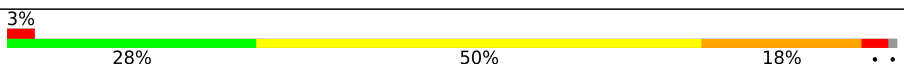
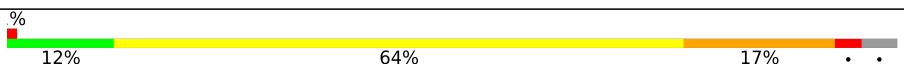
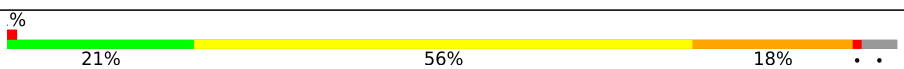
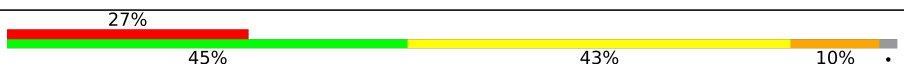
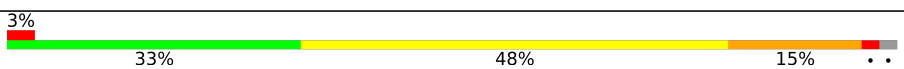
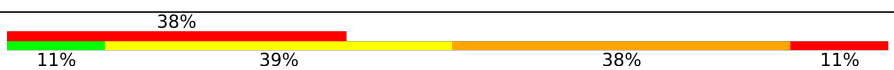
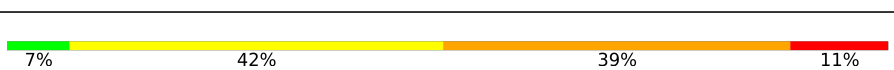
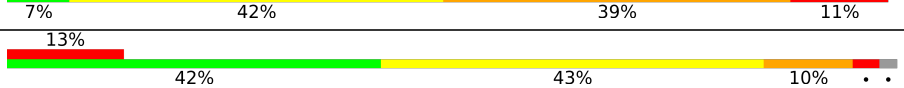
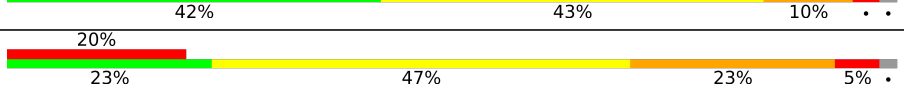
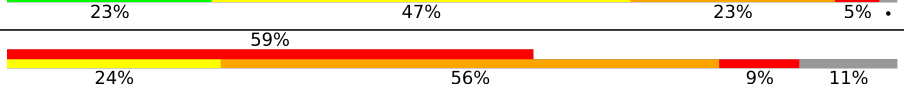
Mol	Chain	Length	Quality of chain
39	B1	118	
39	D1	118	
40	B2	101	
40	D2	101	
41	BS	113	
41	DS	113	
42	BT	96	
42	DT	96	
43	BU	110	
43	DU	110	
44	BV	206	
44	DV	206	
45	B3	85	
45	D3	85	
46	BZ	98	
46	DZ	98	
47	BW	72	
47	DW	72	
48	BX	60	
48	DX	60	
49	B4	71	
49	D4	71	
50	B5	60	
50	D5	60	
51	B6	54	

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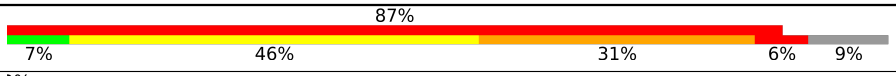
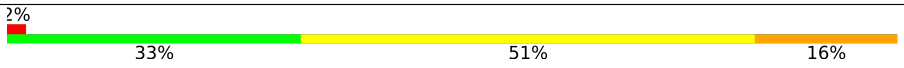
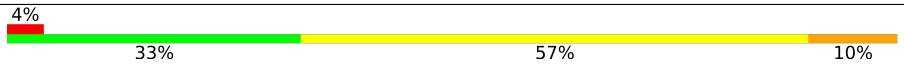
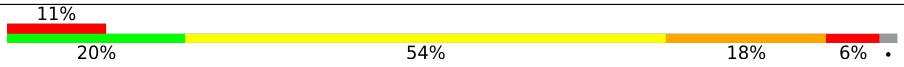
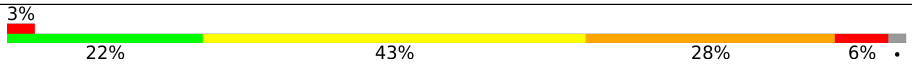
Mol	Chain	Length	Quality of chain
51	D6	54	
52	B7	49	
52	D7	49	
53	B8	65	
53	D8	65	

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

Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
54	MG	AA	1647	-	-	-	X
54	MG	AA	1668	-	-	-	X
54	MG	AA	1687	-	-	-	X
54	MG	AA	1730	-	-	-	X
54	MG	AA	1761	-	-	-	X
54	MG	AA	1767	-	-	-	X
54	MG	AA	1840	-	-	-	X
54	MG	AA	1850	-	-	-	X
54	MG	AA	1863	-	-	-	X
54	MG	AA	1909	-	-	-	X
54	MG	AA	1917	-	-	-	X
54	MG	AA	2014	-	-	-	X
54	MG	AA	2030	-	-	-	X
54	MG	AC	107	-	-	-	X
54	MG	BA	3018	-	-	-	X
54	MG	BA	3360	-	-	-	X
54	MG	BF	302	-	-	-	X
54	MG	BH	201	-	-	-	X
54	MG	CA	1741	-	-	-	X
54	MG	CA	1815	-	-	-	X
54	MG	CA	1860	-	-	-	X
54	MG	CA	1952	-	-	-	X
54	MG	CA	1955	-	-	-	X
54	MG	CG	301	-	-	-	X
54	MG	CL	201	-	-	-	X
54	MG	CR	101	-	-	-	X
54	MG	D0	205	-	-	-	X
54	MG	DA	3018	-	-	-	X

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
54	MG	DA	3049	-	-	-	X
54	MG	DA	3091	-	-	-	X
54	MG	DA	3109	-	-	-	X
54	MG	DA	3188	-	-	-	X
54	MG	DA	3293	-	-	-	X
54	MG	DA	3326	-	-	-	X
54	MG	DA	3336	-	-	-	X
54	MG	DA	3347	-	-	-	X
54	MG	DA	3379	-	-	-	X
54	MG	DA	3398	-	-	-	X
54	MG	DA	3437	-	-	-	X
54	MG	DA	3439	-	-	-	X
54	MG	DA	3472	-	-	-	X
54	MG	DA	3487	-	-	-	X
54	MG	DA	3512	-	-	-	X
54	MG	DA	3527	-	-	-	X
54	MG	DA	3570	-	-	-	X
54	MG	DA	3573	-	-	-	X
54	MG	DA	3589	-	-	-	X
54	MG	DA	3597	-	-	-	X
54	MG	DA	3611	-	-	-	X
54	MG	DA	3656	-	-	-	X
54	MG	DA	3682	-	-	-	X
54	MG	DA	3704	-	-	-	X
54	MG	DA	3710	-	-	-	X
54	MG	DA	3712	-	-	-	X
54	MG	DA	3754	-	-	-	X
54	MG	DA	3759	-	-	-	X
54	MG	DA	3789	-	-	-	X
54	MG	DA	3795	-	-	-	X
54	MG	DA	3801	-	-	-	X
54	MG	DA	3802	-	-	-	X
54	MG	DB	213	-	-	-	X
54	MG	DS	201	-	-	-	X
54	MG	DU	202	-	-	-	X
55	ZN	AA	2040	-	-	-	X

2 Entry composition (i)

There are 55 unique types of molecules in this entry. The entry contains 298428 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 RRNA (E.COLI NUMBERING).

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
1	AA	1517	Total	C	N	O	P	0	0	0
			32600	14510	6032	10541	1517			
1	CA	1515	Total	C	N	O	P	0	0	0
			32554	14491	6025	10524	1514			

There are 2 discrepancies between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
AA	1542	G	U	conflict	GB M26923.1
CA	1542	G	U	conflict	GB M26923.1

- Molecule 2 is a protein called 30S RIBOSOMAL PROTEIN S2.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
2	AE	236	Total	C	N	O	S	0	0	0
			1915	1223	343	344	5			
2	CE	237	Total	C	N	O	S	0	0	0
			1924	1228	344	347	5			

- Molecule 3 is a protein called 30S RIBOSOMAL PROTEIN S3.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
3	AF	206	Total	C	N	O	S	0	0	0
			1612	1016	314	281	1			
3	CF	205	Total	C	N	O	S	0	0	0
			1605	1011	313	280	1			

- Molecule 4 is a protein called 30S RIBOSOMAL PROTEIN S4.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
4	AG	208	Total	C	N	O	S	0	0	0
			1703	1066	339	291	7			

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
4	CG	208	Total	C	N	O	S	0	0	0
			1703	1066	339	291	7			

- Molecule 5 is a protein called 30S RIBOSOMAL PROTEIN S5.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
5	AH	154	Total	C	N	O	S	0	0	0
			1178	743	221	210	4			
5	CH	151	Total	C	N	O	S	0	0	0
			1155	729	218	204	4			

- Molecule 6 is a protein called 30S RIBOSOMAL PROTEIN S6.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
6	AI	101	Total	C	N	O	S	0	0	0
			843	531	155	154	3			
6	CI	101	Total	C	N	O	S	0	0	0
			843	531	155	154	3			

- Molecule 7 is a protein called 30S RIBOSOMAL PROTEIN S7.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
7	AJ	155	Total	C	N	O	S	0	0	0
			1257	781	252	218	6			
7	CJ	155	Total	C	N	O	S	0	0	0
			1257	781	252	218	6			

- Molecule 8 is a protein called 30S RIBOSOMAL PROTEIN S8.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
8	AK	138	Total	C	N	O	S	0	0	0
			1116	705	215	193	3			
8	CK	138	Total	C	N	O	S	0	0	0
			1116	705	215	193	3			

- Molecule 9 is a protein called 30S RIBOSOMAL PROTEIN S9.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
9	AL	128	Total	C	N	O	S	0	0	0
			1018	644	198	175	1			
9	CL	127	Total	C	N	O		0	0	0
			1010	639	197	174				

- Molecule 10 is a protein called 30S RIBOSOMAL PROTEIN S10.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
10	AM	99	Total	C	N	O	S	0	0	0
			801	504	157	139	1			
10	CM	99	Total	C	N	O	S	0	0	0
			801	504	157	139	1			

- Molecule 11 is a protein called 30S RIBOSOMAL PROTEIN S11.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
11	AN	121	Total	C	N	O	S	0	0	0
			901	560	171	167	3			
11	CN	119	Total	C	N	O	S	0	0	0
			885	549	168	165	3			

- Molecule 12 is a protein called 30S RIBOSOMAL PROTEIN S12.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
12	AO	125	Total	C	N	O	S	0	0	0
			975	614	196	164	1			
12	CO	125	Total	C	N	O	S	0	0	0
			975	614	196	164	1			

- Molecule 13 is a protein called 30S RIBOSOMAL PROTEIN S13.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
13	AP	118	Total	C	N	O	S	0	0	0
			937	579	193	163	2			
13	CP	121	Total	C	N	O	S	0	0	0
			964	597	199	166	2			

- Molecule 14 is a protein called 30S RIBOSOMAL PROTEIN S14.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
14	AQ	60	Total	C	N	O	S	0	0	0
			492	312	104	72	4			
14	CQ	60	Total	C	N	O	S	0	0	0
			492	312	104	72	4			

- Molecule 15 is a protein called 30S RIBOSOMAL PROTEIN S15.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
15	AR	88	Total	C	N	O	S	0	0	0
			734	459	147	126	2			
15	CR	88	Total	C	N	O	S	0	0	0
			734	459	147	126	2			

- Molecule 16 is a protein called 30S RIBOSOMAL PROTEIN S16.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
16	AS	84	Total	C	N	O	S	0	0	0
			705	446	140	118	1			
16	CS	84	Total	C	N	O	S	0	0	0
			705	446	140	118	1			

- Molecule 17 is a protein called 30S RIBOSOMAL PROTEIN S17.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
17	AT	100	Total	C	N	O	S	0	0	0
			834	534	155	143	2			
17	CT	100	Total	C	N	O	S	0	0	0
			834	534	155	143	2			

- Molecule 18 is a protein called 30S RIBOSOMAL PROTEIN S18.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
18	AU	71	Total	C	N	O	0	0	0
			585	373	116	96			
18	CU	70	Total	C	N	O	0	0	0
			574	367	112	95			

- Molecule 19 is a protein called 30S RIBOSOMAL PROTEIN S19.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
19	AV	82	Total	C	N	O	S	0	0	0
			656	419	121	114	2			
19	CV	84	Total	C	N	O	S	0	0	0
			674	430	126	116	2			

- Molecule 20 is a protein called 30S RIBOSOMAL PROTEIN S20.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
20	AW	99	Total	C	N	O	S	0	0	0
			763	470	162	129	2			

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
20	CW	99	Total	C	N	O	S	0	0	0
			763	470	162	129	2			

- Molecule 21 is a protein called 30S RIBOSOMAL PROTEIN THX.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
21	AX	25	Total	C	N	O	0	0	0
			217	134	52	31			
21	CX	25	Total	C	N	O	0	0	0
			217	134	52	31			

- Molecule 22 is a RNA chain called TRNA FMET (UNMODIFIED BASES).

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
22	AC	77	Total	C	N	O	P	0	0	0
			1640	732	298	534	76			
22	AD	77	Total	C	N	O	P	0	0	0
			1640	732	298	534	76			
22	CC	77	Total	C	N	O	P	0	0	0
			1640	732	298	534	76			
22	CD	77	Total	C	N	O	P	0	0	0
			1640	732	298	534	76			
22	CB	65	Total	C	N	O	P	0	0	0
			1385	618	250	453	64			

- Molecule 23 is a RNA chain called MRNA.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
23	A1	23	Total	C	N	O	P	0	0	0
			502	227	107	146	22			
23	C1	23	Total	C	N	O	P	0	0	0
			502	227	107	146	22			

- Molecule 24 is a RNA chain called 23S ribosomal RNA.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
24	BA	2885	Total	C	N	O	P	0	0	0
			62134	27656	11622	19972	2884			
24	DA	2886	Total	C	N	O	P	0	0	0
			62151	27664	11620	19982	2885			

There are 29 discrepancies between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
BA	?	-	U	deletion	GB AP008226.1
BA	?	-	U	deletion	GB AP008226.1
BA	?	-	G	deletion	GB AP008226.1
BA	?	-	C	deletion	GB AP008226.1
BA	?	-	G	deletion	GB AP008226.1
BA	?	-	G	deletion	GB AP008226.1
BA	?	-	G	deletion	GB AP008226.1
BA	?	-	C	deletion	GB AP008226.1
BA	?	-	C	deletion	GB AP008226.1
BA	?	-	G	deletion	GB AP008226.1
BA	?	-	C	deletion	GB AP008226.1
BA	?	-	C	deletion	GB AP008226.1
BA	?	-	G	deletion	GB AP008226.1
BA	?	-	G	deletion	GB AP008226.1
BA	?	-	C	deletion	GB AP008226.1
BA	?	-	C	deletion	GB AP008226.1
BA	654T	A	C	conflict	GB AP008226.1
BA	1058	U	G	conflict	GB AP008226.1
BA	1080	A	C	conflict	GB AP008226.1
DA	161	U	-	insertion	GB AP008226.1
DA	654A	A	G	conflict	GB AP008226.1
DA	?	-	G	deletion	GB AP008226.1
DA	?	-	G	deletion	GB AP008226.1
DA	?	-	C	deletion	GB AP008226.1
DA	?	-	A	deletion	GB AP008226.1
DA	654L	G	C	conflict	GB AP008226.1
DA	654T	A	C	conflict	GB AP008226.1
DA	1058	U	G	conflict	GB AP008226.1
DA	1080	A	C	conflict	GB AP008226.1

- Molecule 25 is a RNA chain called 5S ribosomal RNA.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
25	BB	120	Total	C	N	O	P	0	0	0
			2572	1146	476	831	119			
25	DB	120	Total	C	N	O	P	0	0	0
			2573	1146	476	832	119			

There is a discrepancy between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
BB	1M	A	-	insertion	GB X01554.1

- Molecule 26 is a protein called 50S ribosomal protein L2.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
26	BD	272	Total	C	N	O	S	0	0	0
			2115	1335	420	357	3			
26	DD	272	Total	C	N	O	S	0	0	0
			2115	1335	420	357	3			

- Molecule 27 is a protein called 50S ribosomal protein L3.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
27	BE	205	Total	C	N	O	S	0	0	0
			1568	991	300	271	6			
27	DE	205	Total	C	N	O	S	0	0	0
			1568	991	300	271	6			

- Molecule 28 is a protein called 50S ribosomal protein L4.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
28	BF	208	Total	C	N	O	S	0	0	0
			1627	1037	304	283	3			
28	DF	202	Total	C	N	O	S	0	0	0
			1585	1011	297	275	2			

- Molecule 29 is a protein called 50S ribosomal protein L5.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
29	BG	181	Total	C	N	O	S	0	0	0
			1474	942	268	260	4			
29	DG	181	Total	C	N	O	S	0	0	0
			1474	942	268	260	4			

- Molecule 30 is a protein called 50S ribosomal protein L6.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
30	BH	170	Total	C	N	O	S	0	0	0
			1307	829	245	232	1			
30	DH	170	Total	C	N	O	S	0	0	0
			1307	829	245	232	1			

- Molecule 31 is a protein called 50S ribosomal protein L9.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
31	BK	146	Total	C	N	O	S	0	0	0
			1136	726	201	208	1			
31	DK	146	Total	C	N	O	S	0	0	0
			1136	726	201	208	1			

- Molecule 32 is a protein called 50S ribosomal protein L13.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
32	BM	138	Total	C	N	O	S	0	0	0
			1104	712	206	182	4			
32	DM	138	Total	C	N	O	S	0	0	0
			1104	712	206	182	4			

- Molecule 33 is a protein called 50S ribosomal protein L14.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
33	BN	122	Total	C	N	O	S	0	0	0
			933	588	171	170	4			
33	DN	122	Total	C	N	O	S	0	0	0
			933	588	171	170	4			

- Molecule 34 is a protein called 50S ribosomal protein L15.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
34	BO	150	Total	C	N	O	S	0	0	0
			1145	712	232	198	3			
34	DO	150	Total	C	N	O	S	0	0	0
			1145	712	232	198	3			

- Molecule 35 is a protein called 50S ribosomal protein L16.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
35	BP	141	Total	C	N	O	S	0	0	0
			1122	715	212	188	7			
35	DP	141	Total	C	N	O	S	0	0	0
			1122	715	212	188	7			

- Molecule 36 is a protein called 50S ribosomal protein L17.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
36	B0	117	Total	C	N	O	0	0	0
			960	599	202	159			

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
36	D0	118	Total	C	N	O	S	0	0	0
			968	604	203	160	1			

- Molecule 37 is a protein called 50S ribosomal protein L18.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
37	BQ	111	Total	C	N	O	0	0	0
			882	556	176	150			
37	DQ	111	Total	C	N	O	0	0	0
			882	556	176	150			

- Molecule 38 is a protein called 50S ribosomal protein L19.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
38	BR	137	Total	C	N	O	S	0	0	0
			1141	710	234	196	1			
38	DR	137	Total	C	N	O	S	0	0	0
			1141	710	234	196	1			

- Molecule 39 is a protein called 50S ribosomal protein L20.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
39	B1	117	Total	C	N	O	S	0	0	0
			964	610	202	151	1			
39	D1	117	Total	C	N	O	S	0	0	0
			964	610	202	151	1			

- Molecule 40 is a protein called 50S ribosomal protein L21.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
40	B2	101	Total	C	N	O	S	0	0	0
			779	501	142	135	1			
40	D2	101	Total	C	N	O	S	0	0	0
			779	501	142	135	1			

- Molecule 41 is a protein called 50S ribosomal protein L22.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
41	BS	113	Total	C	N	O	S	0	0	0
			900	566	177	155	2			
41	DS	113	Total	C	N	O	S	0	0	0
			900	566	177	155	2			

- Molecule 42 is a protein called 50S ribosomal protein L23.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
42	BT	92	Total	C	N	O	0	0	0
			725	471	131	123			
42	DT	92	Total	C	N	O	0	0	0
			725	471	131	123			

- Molecule 43 is a protein called 50S ribosomal protein L24.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
43	BU	102	Total	C	N	O	S	0	0	0
			785	505	150	125	5			
43	DU	102	Total	C	N	O	S	0	0	0
			785	505	150	125	5			

- Molecule 44 is a protein called 50S ribosomal protein L25.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
44	BV	176	Total	C	N	O	S	0	0	0
			1404	897	252	252	3			
44	DV	172	Total	C	N	O	S	0	0	0
			1378	879	248	248	3			

- Molecule 45 is a protein called 50S ribosomal protein L27.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
45	B3	80	Total	C	N	O	S	0	0	0
			629	389	132	107	1			
45	D3	77	Total	C	N	O	S	0	0	0
			611	378	129	103	1			

- Molecule 46 is a protein called 50S ribosomal protein L28.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
46	BZ	97	Total	C	N	O	S	0	0	0
			763	481	150	131	1			
46	DZ	97	Total	C	N	O	S	0	0	0
			763	481	150	131	1			

- Molecule 47 is a protein called 50S ribosomal protein L29.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
47	BW	69	Total	C	N	O	S	0	0	0
			581	358	118	104	1			
47	DW	69	Total	C	N	O	S	0	0	0
			581	358	118	104	1			

- Molecule 48 is a protein called 50S ribosomal protein L30.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
48	BX	59	Total	C	N	O	0	0	0
			469	298	90	81			
48	DX	59	Total	C	N	O	0	0	0
			469	298	90	81			

- Molecule 49 is a protein called 50S ribosomal protein L31.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
49	B4	71	Total	C	N	O	S	0	0	0
			581	364	108	104	5			
49	D4	71	Total	C	N	O	S	0	0	0
			581	364	108	104	5			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
50	B5	59	Total	C	N	O	S	0	0	0
			459	288	90	76	5			
50	D5	59	Total	C	N	O	S	0	0	0
			459	288	90	76	5			

- Molecule 51 is a protein called 50S ribosomal protein L33.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
51	B6	48	Total	C	N	O	S	0	0	0
			417	259	86	68	4			
51	D6	49	Total	C	N	O	S	0	0	0
			424	264	87	69	4			

- Molecule 52 is a protein called 50S ribosomal protein L34.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
52	B7	49	Total	C	N	O	S	0	0	0
			430	263	108	57	2			

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
52	D7	49	Total 430	C 263	N 108	O 57	S 2	0	0	0

- Molecule 53 is a protein called 50S ribosomal protein L35.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
53	B8	64	Total 517	C 331	N 102	O 82	S 2	0	0	0
53	D8	64	Total 517	C 331	N 102	O 82	S 2	0	0	0

- Molecule 54 is MAGNESIUM ION (three-letter code: MG) (formula: Mg).

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
54	AA	440	Total 440	Mg 440	0	0
54	AH	2	Total 2	Mg 2	0	0
54	AI	1	Total 1	Mg 1	0	0
54	AJ	1	Total 1	Mg 1	0	0
54	AK	1	Total 1	Mg 1	0	0
54	AL	2	Total 2	Mg 2	0	0
54	AO	1	Total 1	Mg 1	0	0
54	AP	1	Total 1	Mg 1	0	0
54	AQ	1	Total 1	Mg 1	0	0
54	AS	2	Total 2	Mg 2	0	0
54	AT	2	Total 2	Mg 2	0	0
54	AW	4	Total 4	Mg 4	0	0
54	AX	1	Total 1	Mg 1	0	0
54	AC	8	Total 8	Mg 8	0	0

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Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
54	AD	3	Total Mg 3 3	0	0
54	A1	1	Total Mg 1 1	0	0
54	BA	683	Total Mg 683 683	0	0
54	BB	26	Total Mg 26 26	0	0
54	BD	2	Total Mg 2 2	0	0
54	BE	7	Total Mg 7 7	0	0
54	BF	2	Total Mg 2 2	0	0
54	BG	1	Total Mg 1 1	0	0
54	BH	1	Total Mg 1 1	0	0
54	BK	1	Total Mg 1 1	0	0
54	BO	1	Total Mg 1 1	0	0
54	B0	2	Total Mg 2 2	0	0
54	BQ	1	Total Mg 1 1	0	0
54	BR	2	Total Mg 2 2	0	0
54	B1	1	Total Mg 1 1	0	0
54	BT	2	Total Mg 2 2	0	0
54	BU	5	Total Mg 5 5	0	0
54	B3	2	Total Mg 2 2	0	0
54	BZ	1	Total Mg 1 1	0	0
54	BW	1	Total Mg 1 1	0	0
54	B4	1	Total Mg 1 1	0	0

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Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
54	B5	1	Total Mg 1 1	0	0
54	B6	1	Total Mg 1 1	0	0
54	B8	1	Total Mg 1 1	0	0
54	CA	384	Total Mg 384 384	0	0
54	CG	1	Total Mg 1 1	0	0
54	CH	2	Total Mg 2 2	0	0
54	CK	2	Total Mg 2 2	0	0
54	CL	1	Total Mg 1 1	0	0
54	CM	1	Total Mg 1 1	0	0
54	CP	4	Total Mg 4 4	0	0
54	CQ	3	Total Mg 3 3	0	0
54	CR	1	Total Mg 1 1	0	0
54	CS	2	Total Mg 2 2	0	0
54	CT	1	Total Mg 1 1	0	0
54	CW	5	Total Mg 5 5	0	0
54	CX	2	Total Mg 2 2	0	0
54	CC	13	Total Mg 13 13	0	0
54	CD	26	Total Mg 26 26	0	0
54	C1	1	Total Mg 1 1	0	0
54	DA	905	Total Mg 905 905	0	0
54	DB	29	Total Mg 29 29	0	0

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Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
54	DD	3	Total Mg 3 3	0	0
54	DE	3	Total Mg 3 3	0	0
54	DF	1	Total Mg 1 1	0	0
54	DG	3	Total Mg 3 3	0	0
54	DH	4	Total Mg 4 4	0	0
54	DO	5	Total Mg 5 5	0	0
54	D0	5	Total Mg 5 5	0	0
54	DR	2	Total Mg 2 2	0	0
54	D1	6	Total Mg 6 6	0	0
54	D2	1	Total Mg 1 1	0	0
54	DS	1	Total Mg 1 1	0	0
54	DT	2	Total Mg 2 2	0	0
54	DU	6	Total Mg 6 6	0	0
54	D3	4	Total Mg 4 4	0	0
54	DZ	2	Total Mg 2 2	0	0
54	DW	2	Total Mg 2 2	0	0
54	D5	1	Total Mg 1 1	0	0
54	D6	2	Total Mg 2 2	0	0
54	D7	1	Total Mg 1 1	0	0

- Molecule 55 is ZINC ION (three-letter code: ZN) (formula: Zn).

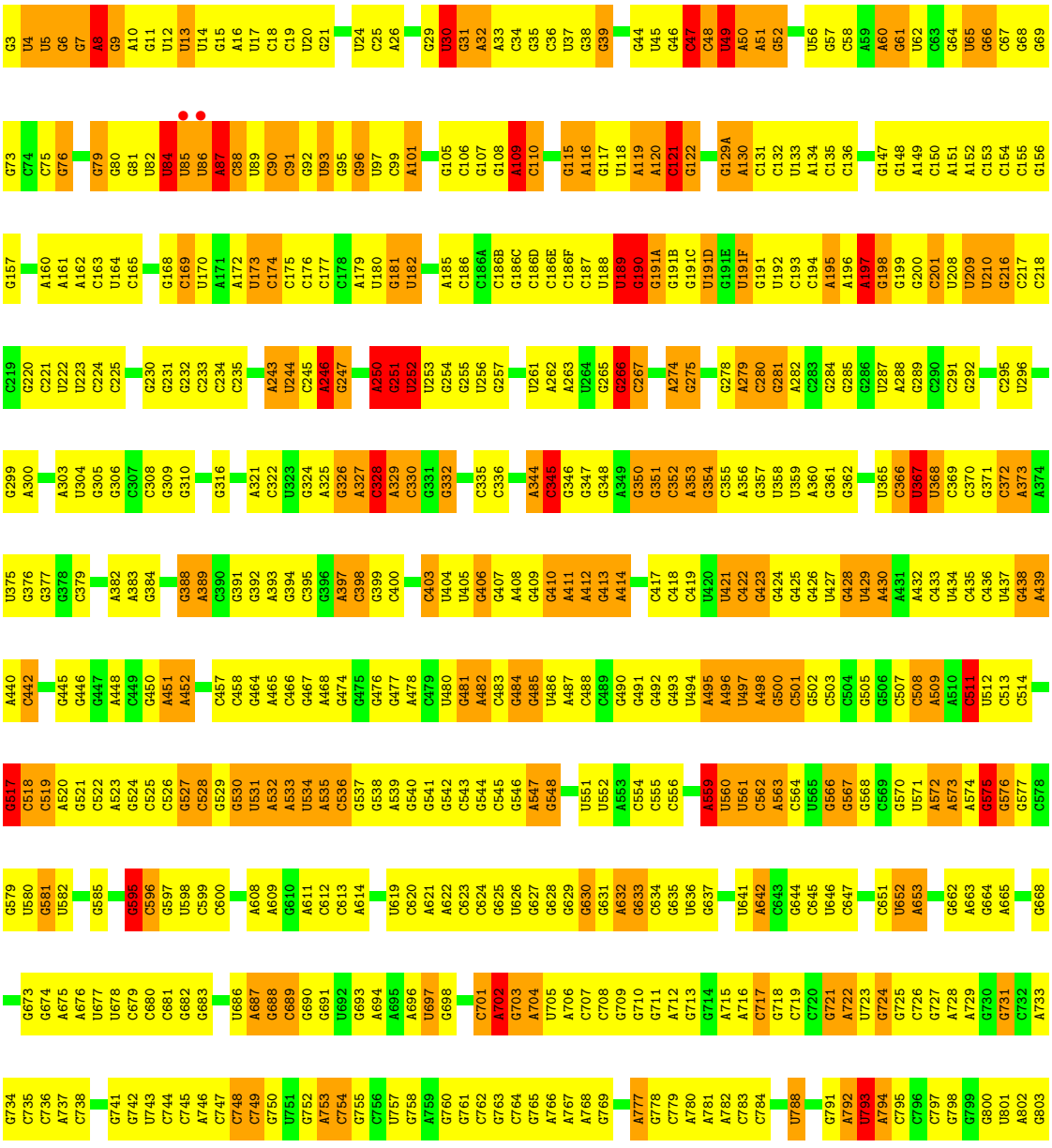
Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
55	AA	2	Total Zn 2 2	0	0
55	AG	1	Total Zn 1 1	0	0
55	AQ	1	Total Zn 1 1	0	0
55	CG	1	Total Zn 1 1	0	0
55	CQ	1	Total Zn 1 1	0	0

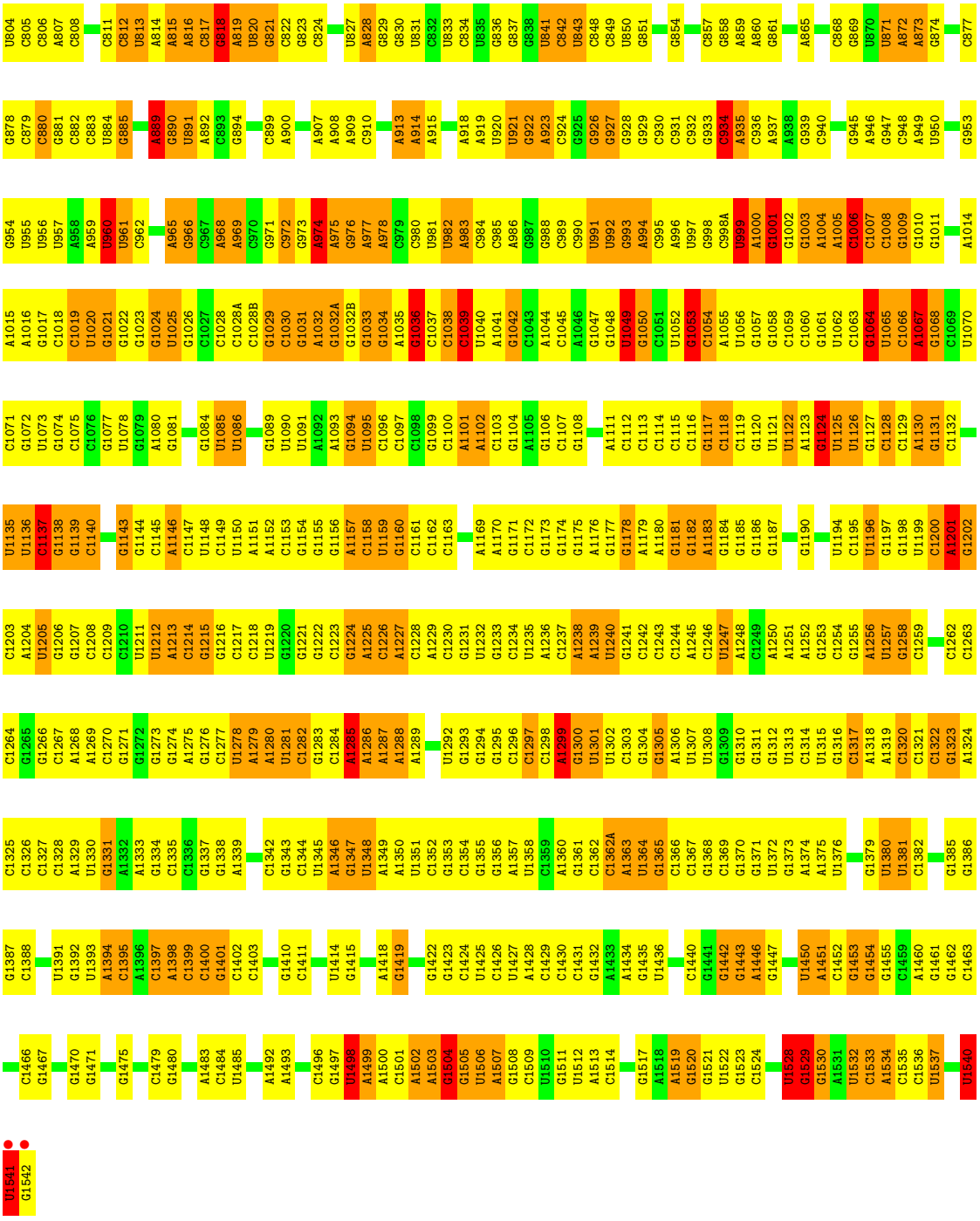
3 Residue-property plots (i)

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.

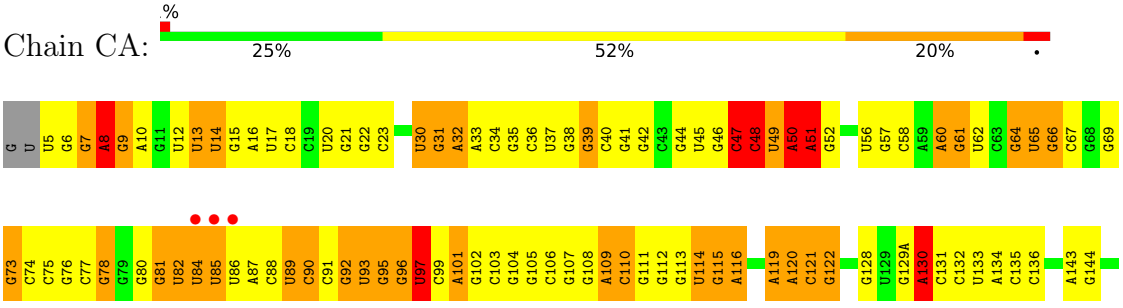
- Molecule 1: 16S RRNA (E.COLI NUMBERING)

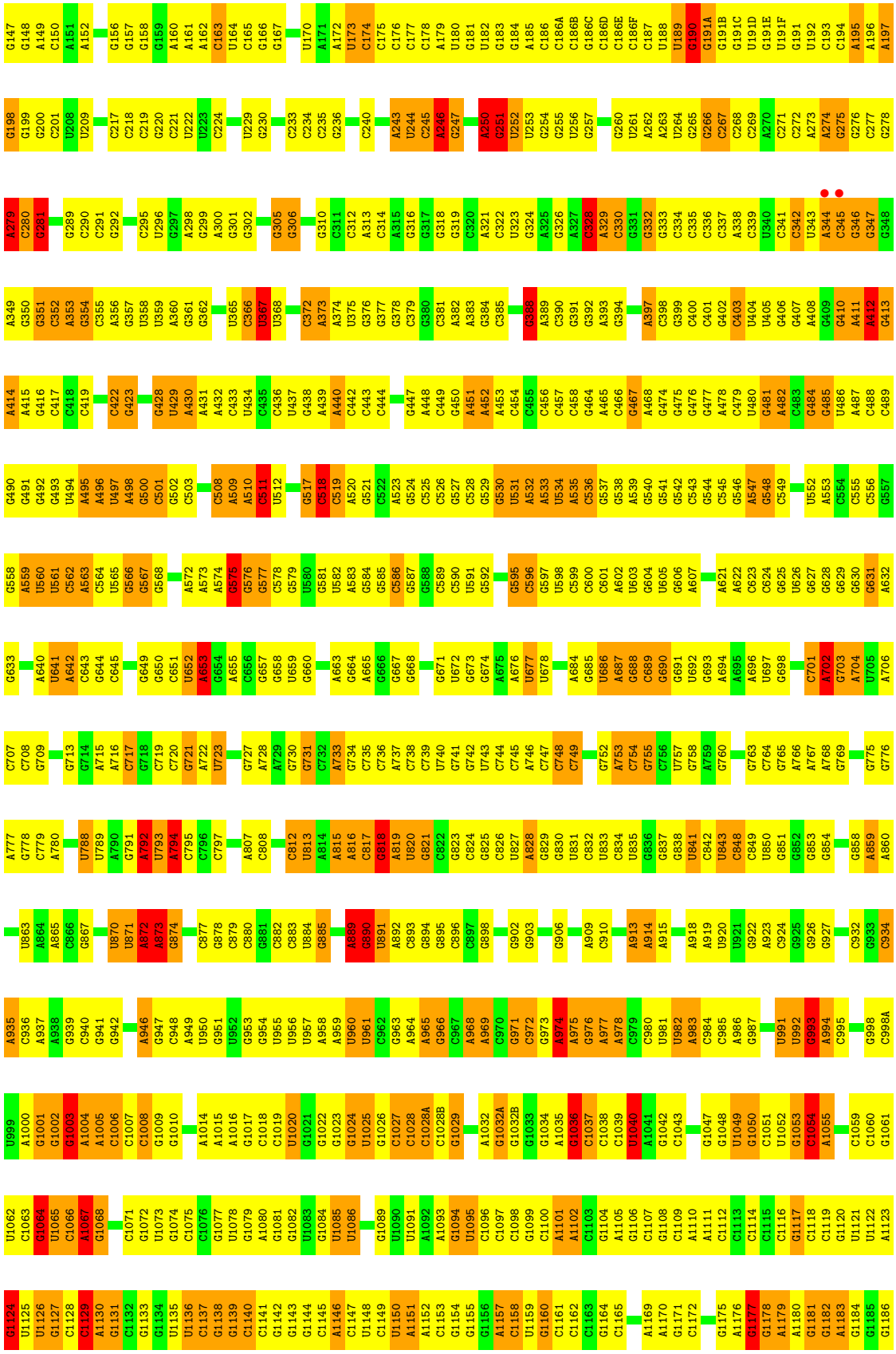
Chain AA: 25% 50% 22%

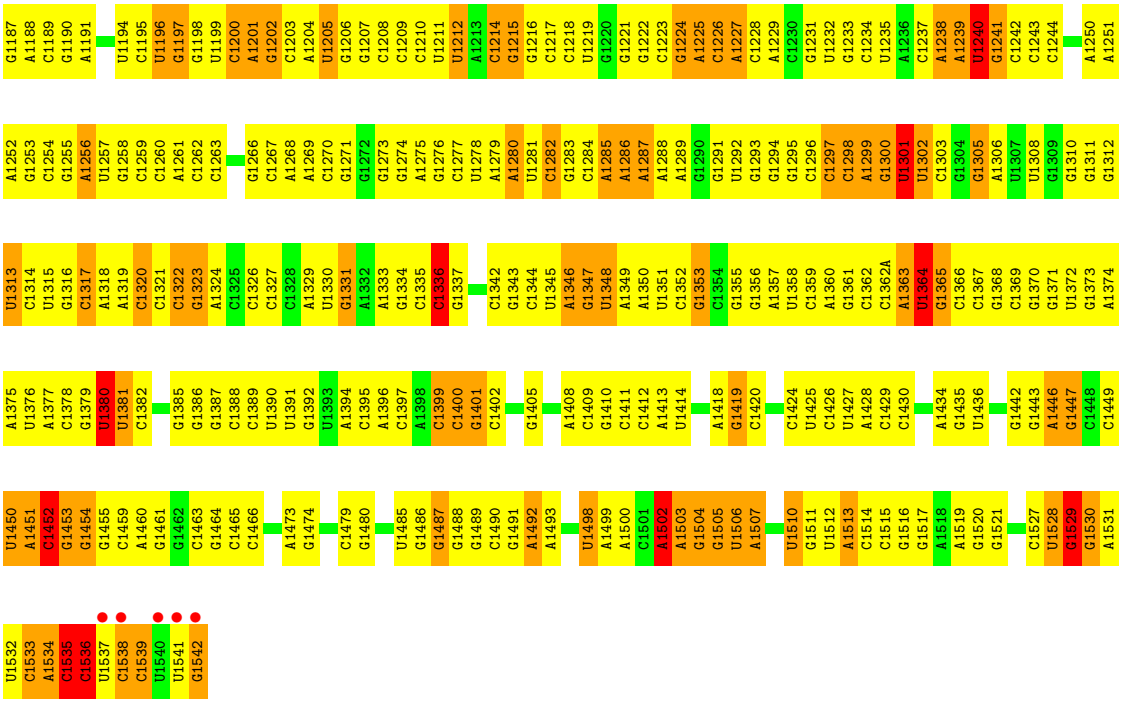




• Molecule 1: 16S RRNA (E.COLI NUMBERING)

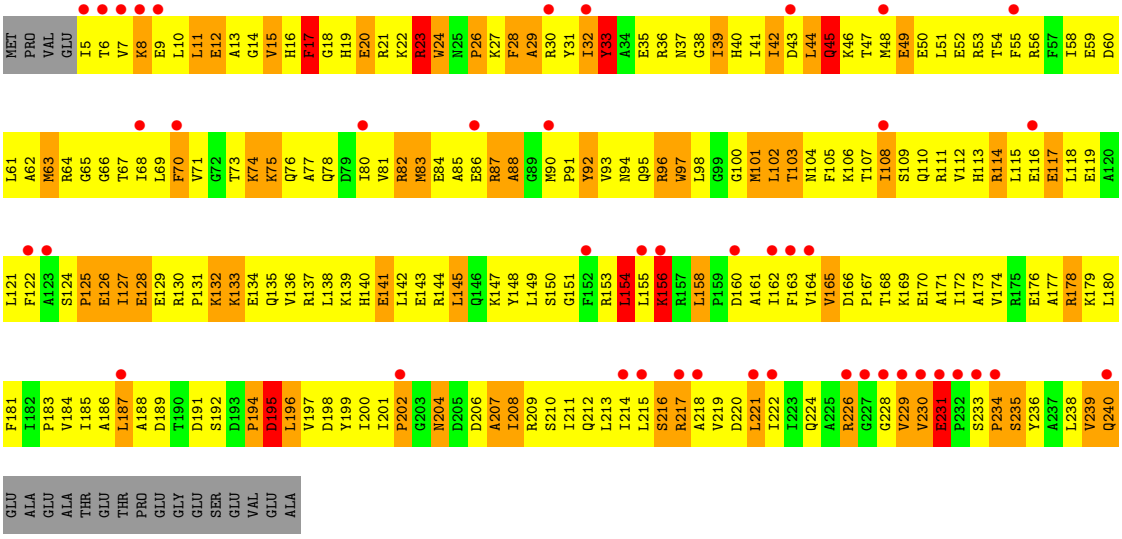






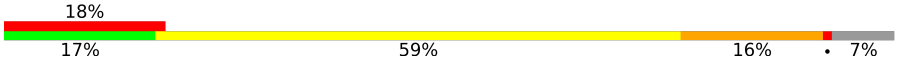
• Molecule 2: 30S RIBOSOMAL PROTEIN S2

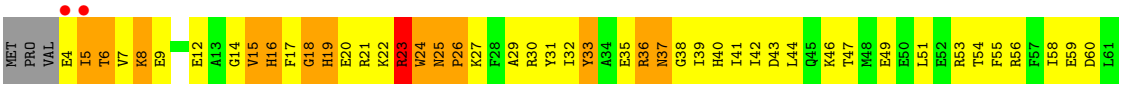
Chain AE:

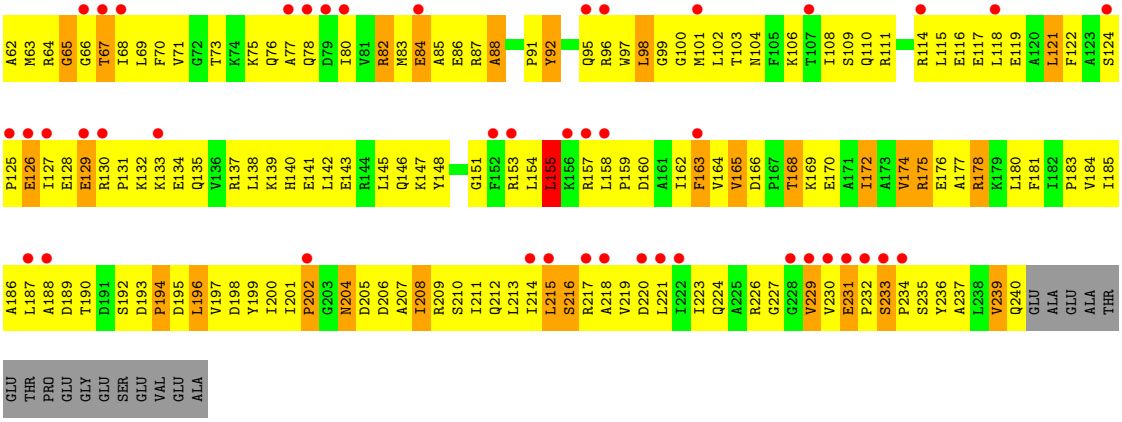


• Molecule 2: 30S RIBOSOMAL PROTEIN S2

Chain CE:

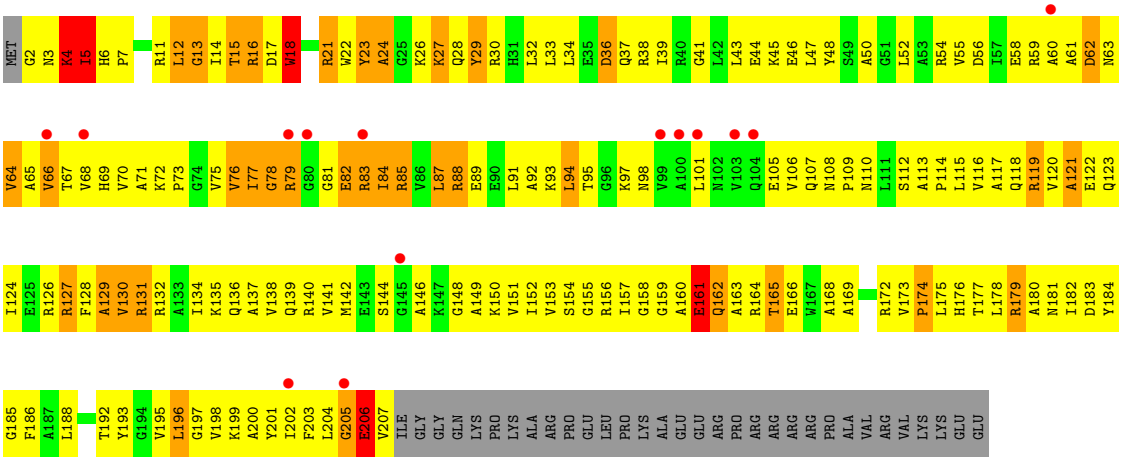






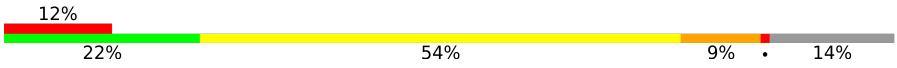
• Molecule 3: 30S RIBOSOMAL PROTEIN S3

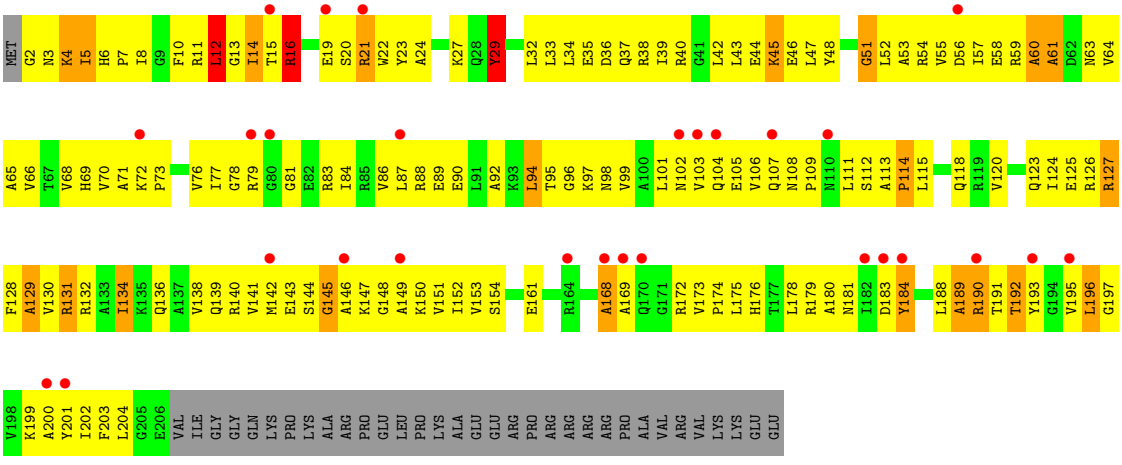
Chain AF:



• Molecule 3: 30S RIBOSOMAL PROTEIN S3

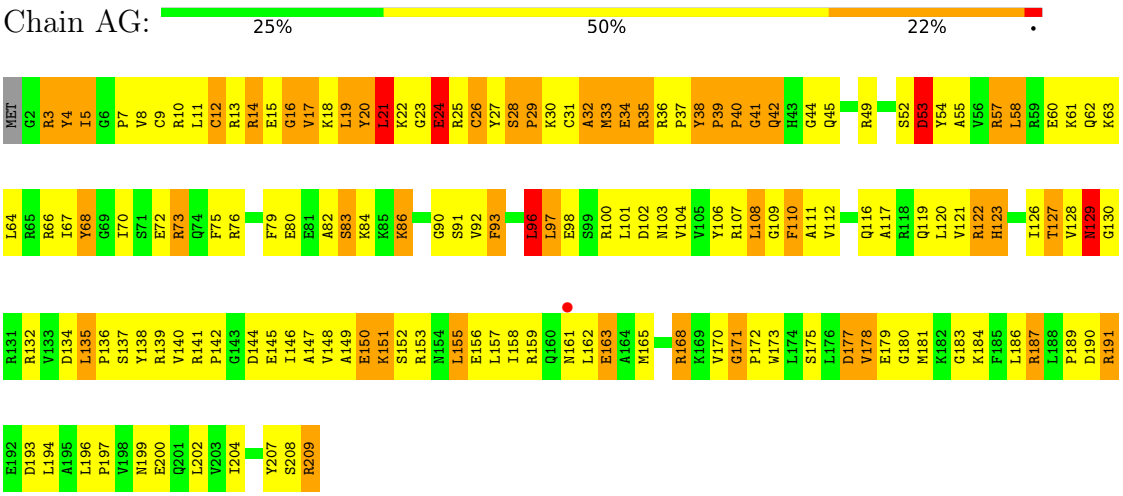
Chain CF:





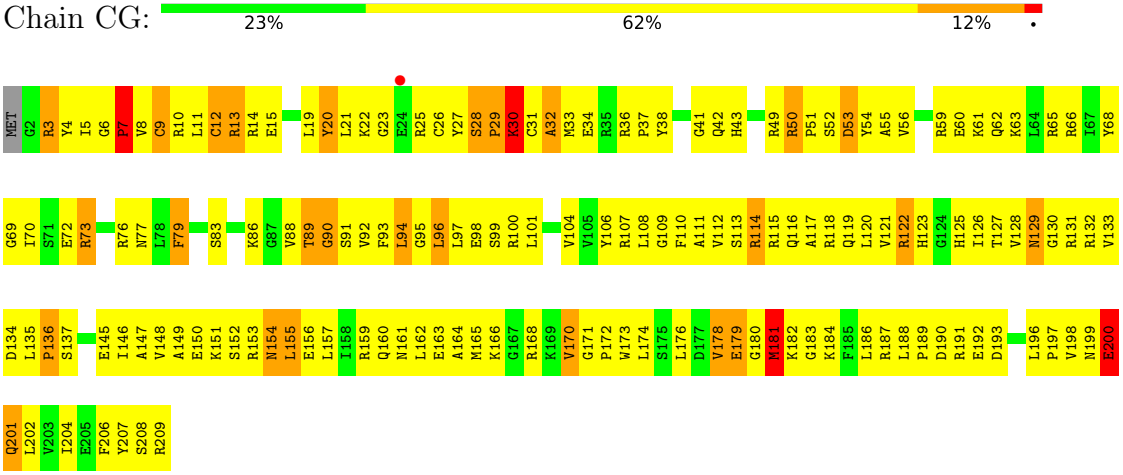
• Molecule 4: 30S RIBOSOMAL PROTEIN S4

Chain AG:



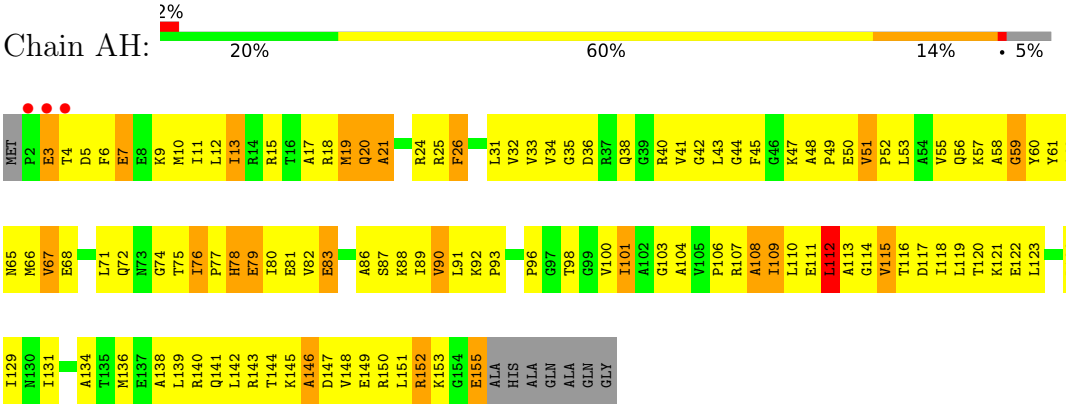
• Molecule 4: 30S RIBOSOMAL PROTEIN S4

Chain CG:



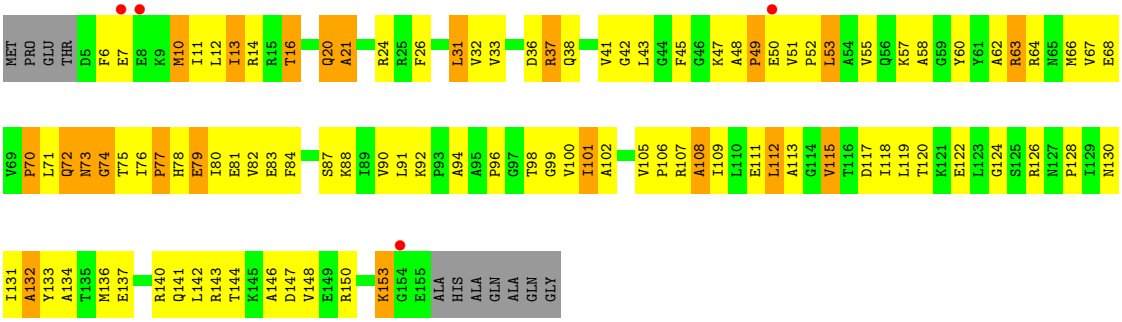
• Molecule 5: 30S RIBOSOMAL PROTEIN S5

Chain AH:



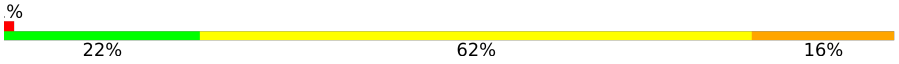
• Molecule 5: 30S RIBOSOMAL PROTEIN S5

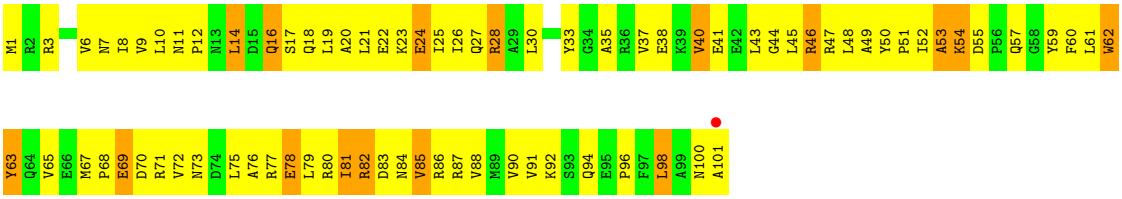
Chain CH:



• Molecule 6: 30S RIBOSOMAL PROTEIN S6

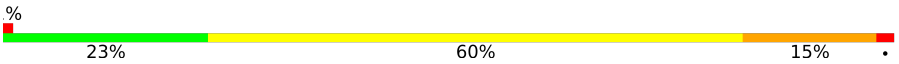
Chain AI:

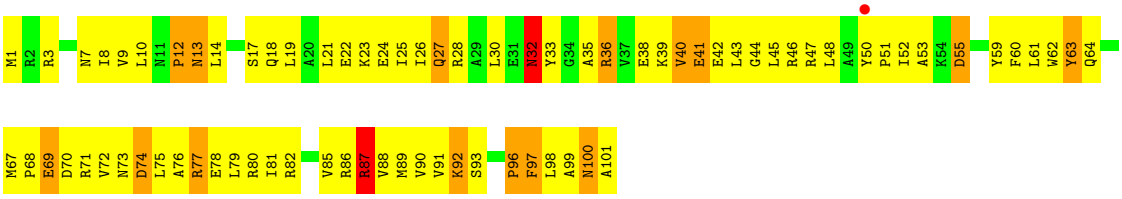




• Molecule 6: 30S RIBOSOMAL PROTEIN S6

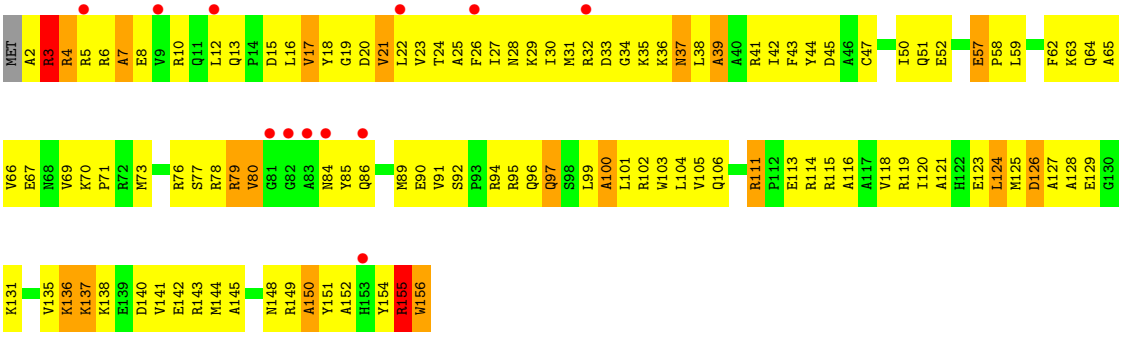
Chain CI:





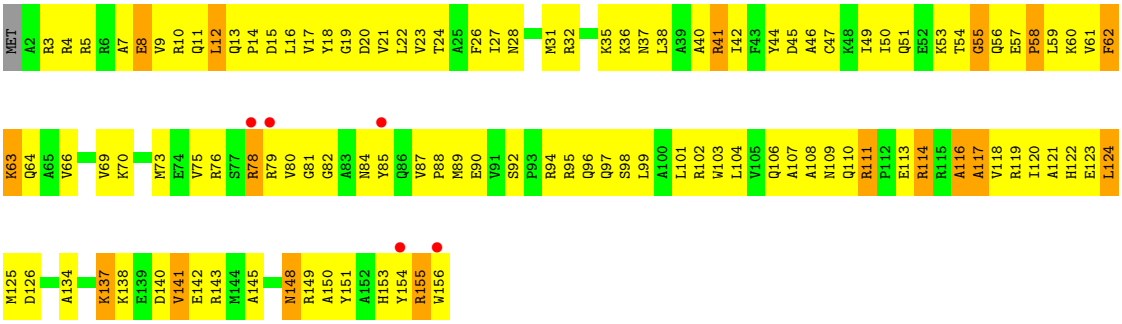
• Molecule 7: 30S RIBOSOMAL PROTEIN S7

Chain AJ:

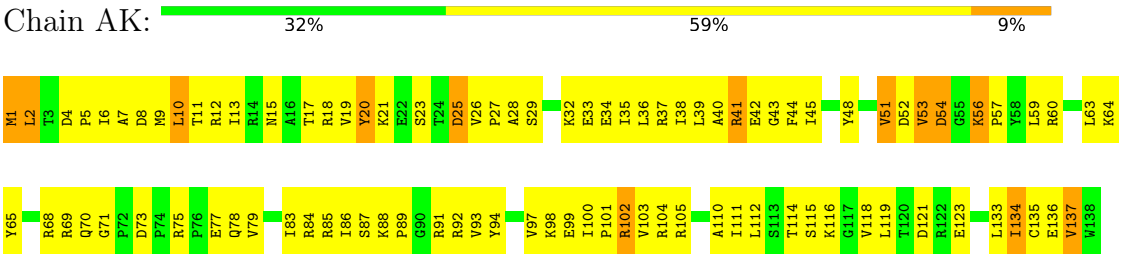


• Molecule 7: 30S RIBOSOMAL PROTEIN S7

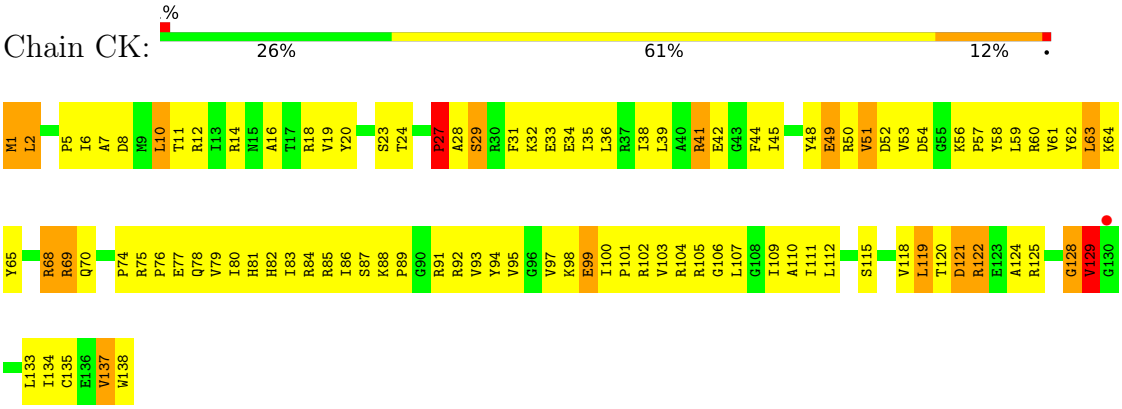
Chain CJ:



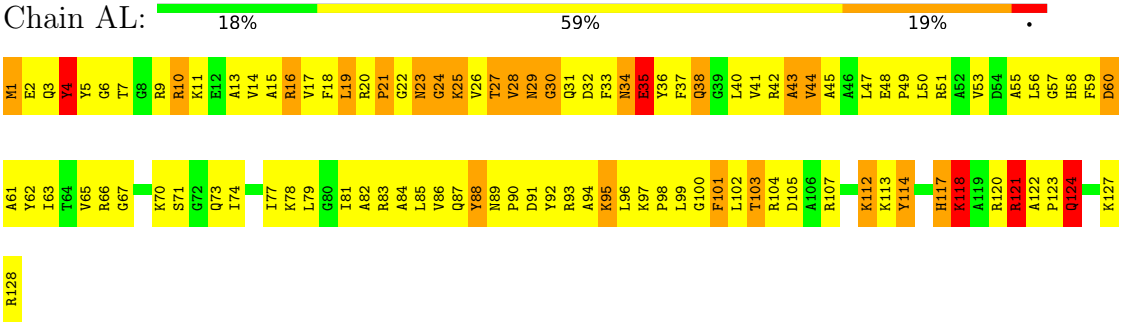
• Molecule 8: 30S RIBOSOMAL PROTEIN S8



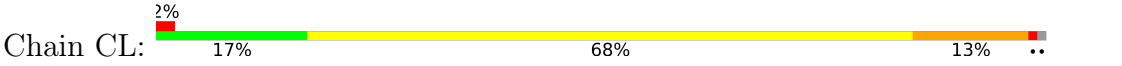
• Molecule 8: 30S RIBOSOMAL PROTEIN S8

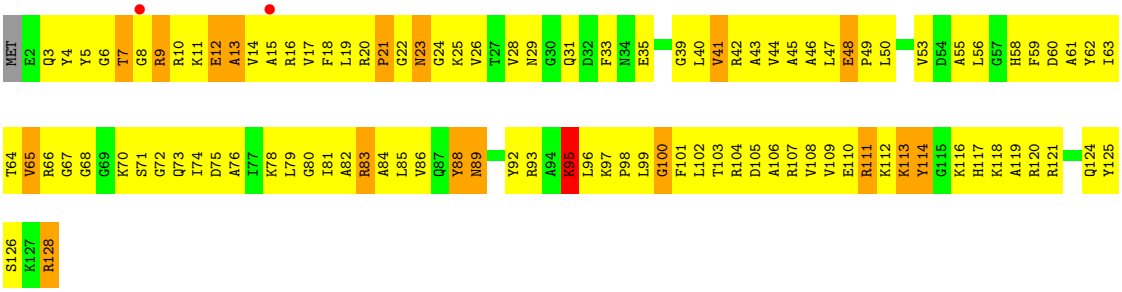


• Molecule 9: 30S RIBOSOMAL PROTEIN S9

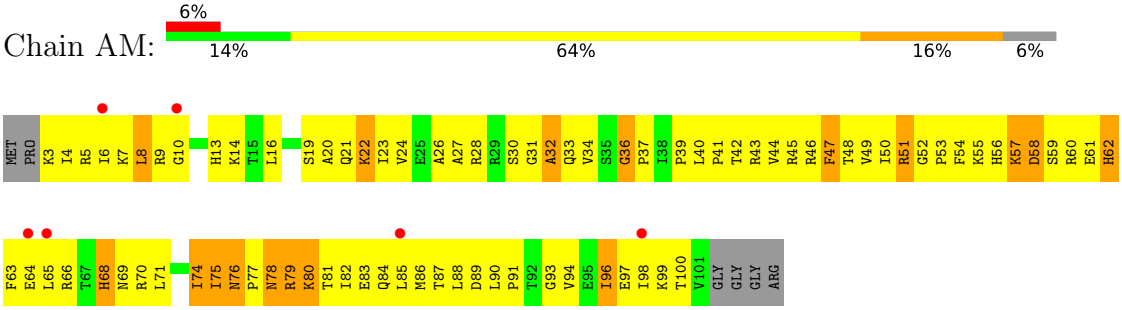


• Molecule 9: 30S RIBOSOMAL PROTEIN S9

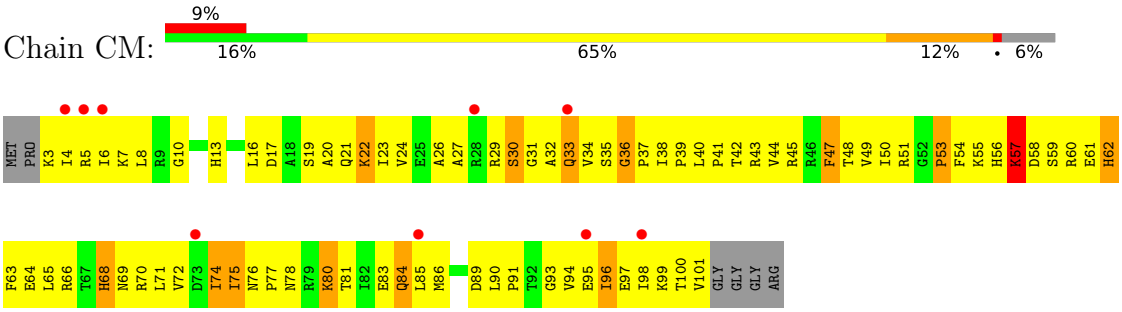




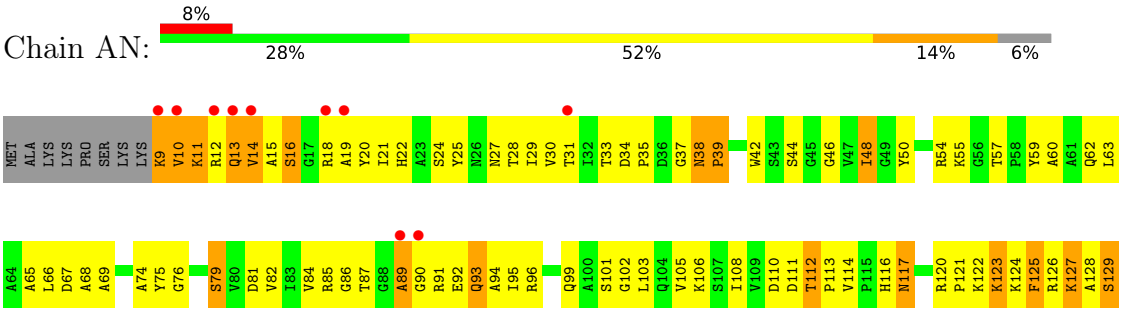
• Molecule 10: 30S RIBOSOMAL PROTEIN S10



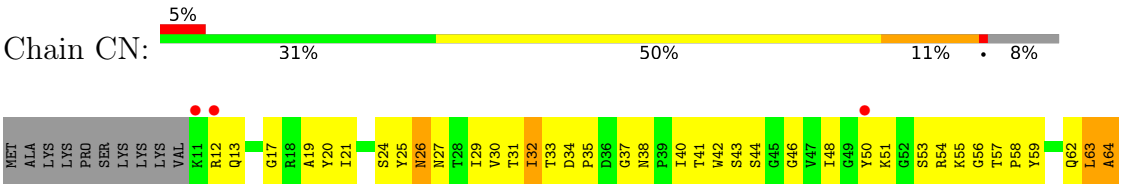
• Molecule 10: 30S RIBOSOMAL PROTEIN S10

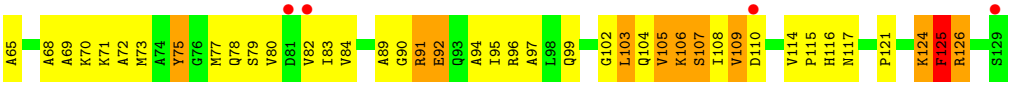


• Molecule 11: 30S RIBOSOMAL PROTEIN S11



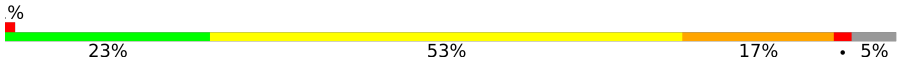
• Molecule 11: 30S RIBOSOMAL PROTEIN S11

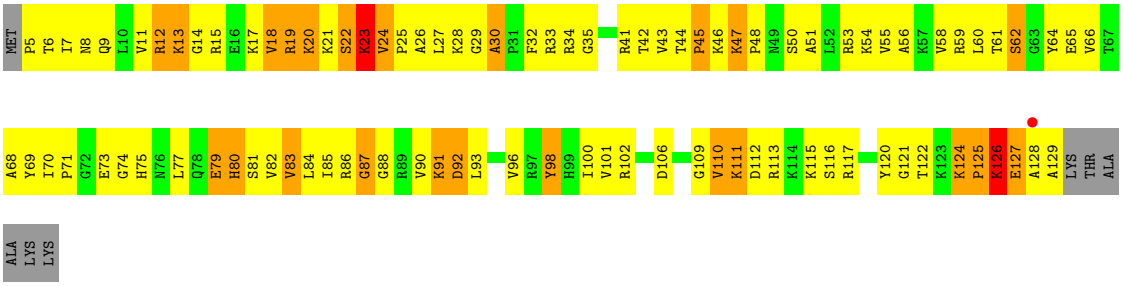




• Molecule 12: 30S RIBOSOMAL PROTEIN S12

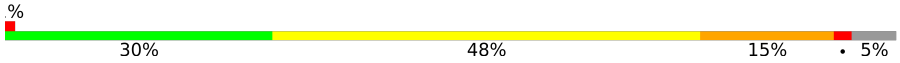
Chain AO:

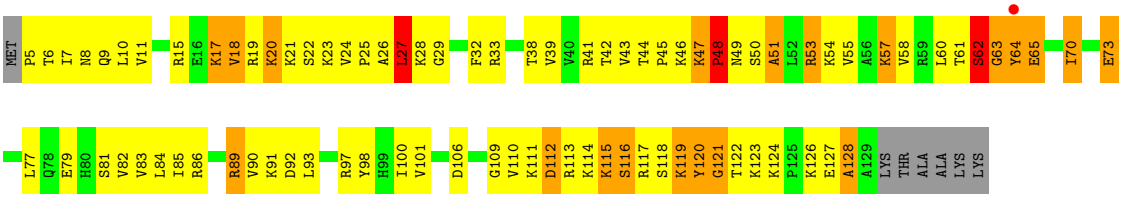




• Molecule 12: 30S RIBOSOMAL PROTEIN S12

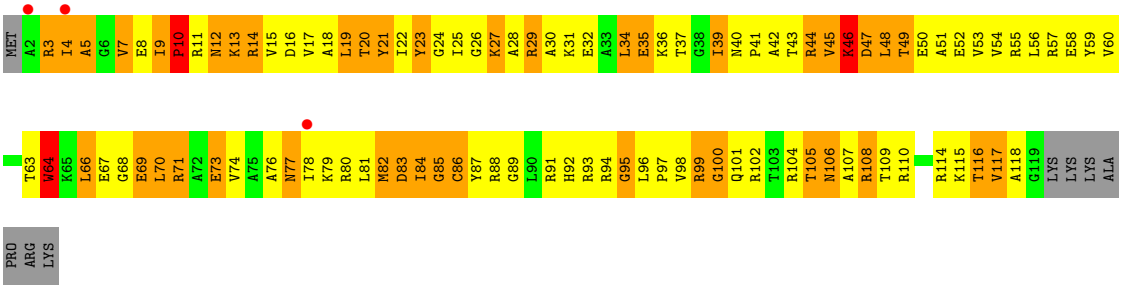
Chain CO:





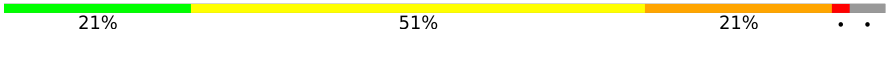
• Molecule 13: 30S RIBOSOMAL PROTEIN S13

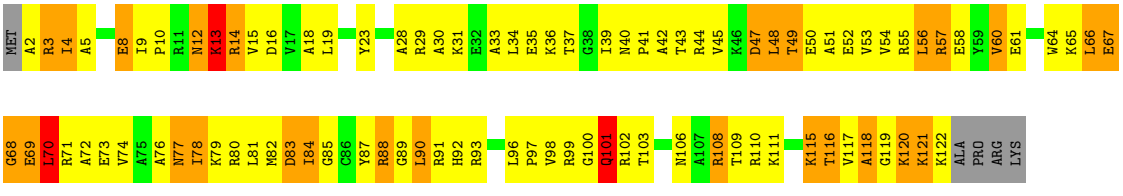
Chain AP:



• Molecule 13: 30S RIBOSOMAL PROTEIN S13

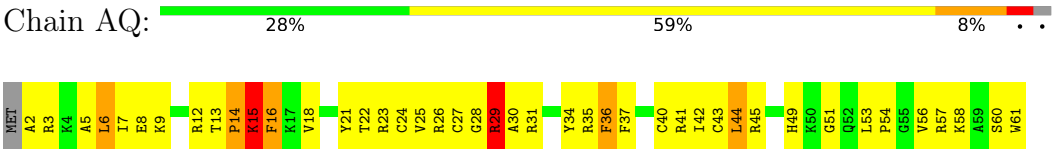
Chain CP:





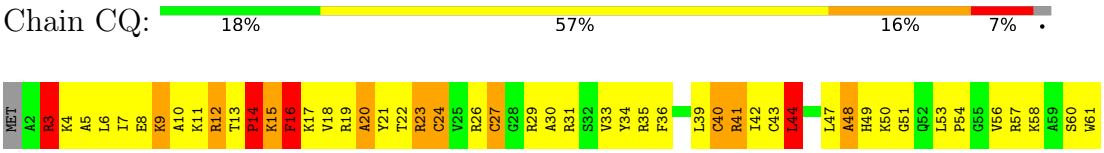
• Molecule 14: 30S RIBOSOMAL PROTEIN S14

Chain AQ:



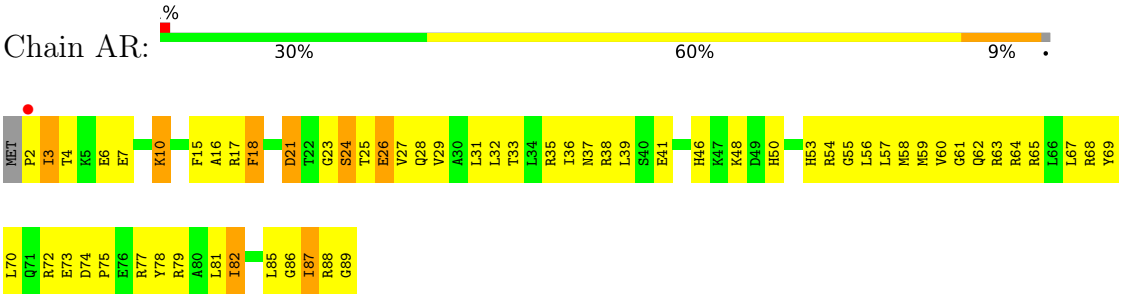
• Molecule 14: 30S RIBOSOMAL PROTEIN S14

Chain CQ:



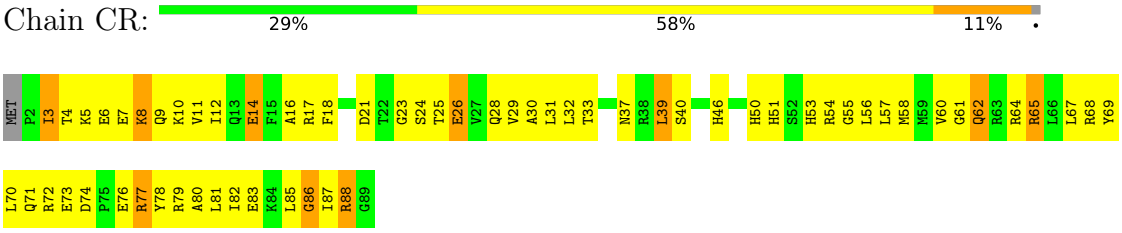
• Molecule 15: 30S RIBOSOMAL PROTEIN S15

Chain AR:



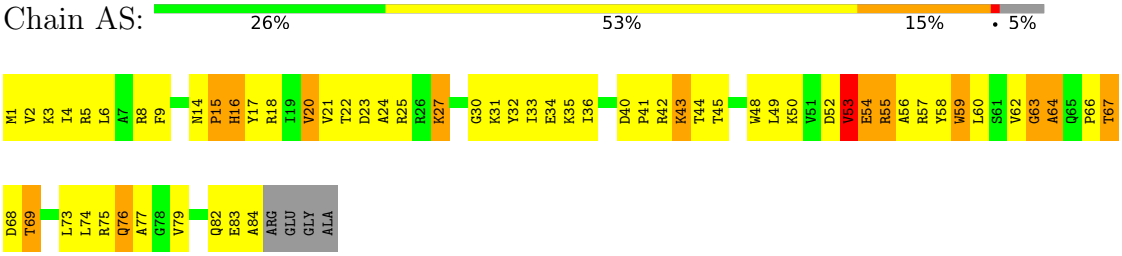
• Molecule 15: 30S RIBOSOMAL PROTEIN S15

Chain CR:



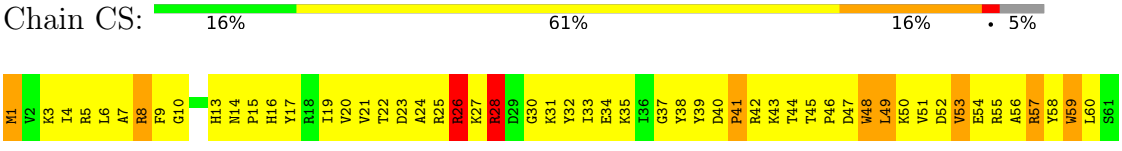
• Molecule 16: 30S RIBOSOMAL PROTEIN S16

Chain AS:

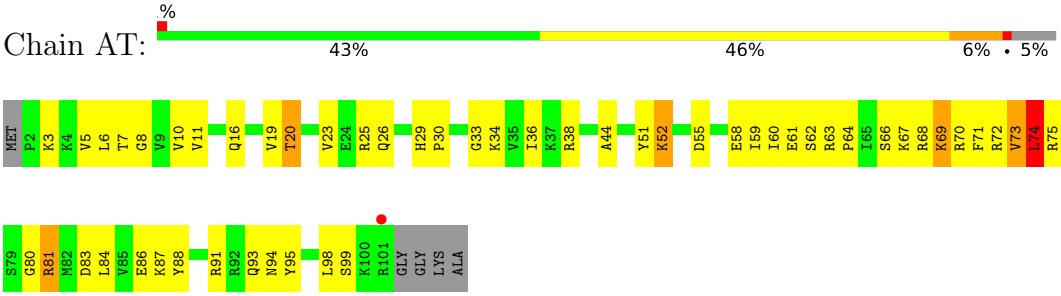


• Molecule 16: 30S RIBOSOMAL PROTEIN S16

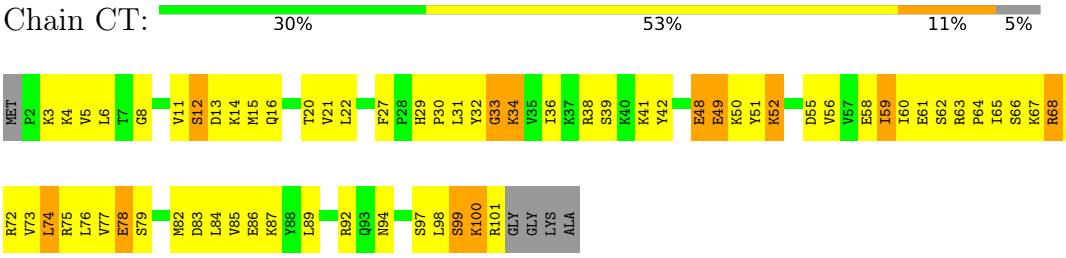
Chain CS:



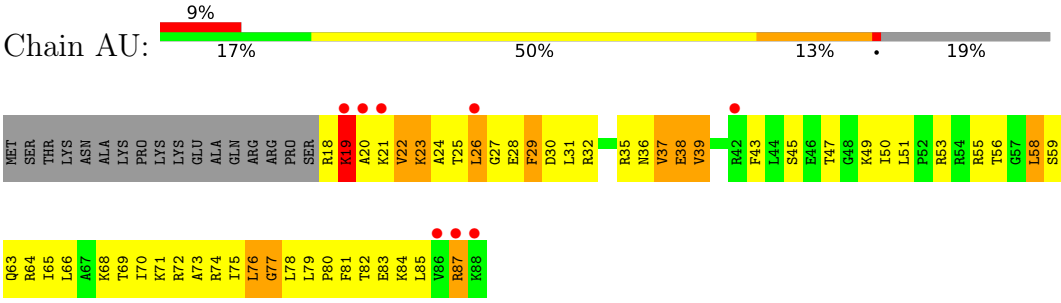
• Molecule 17: 30S RIBOSOMAL PROTEIN S17



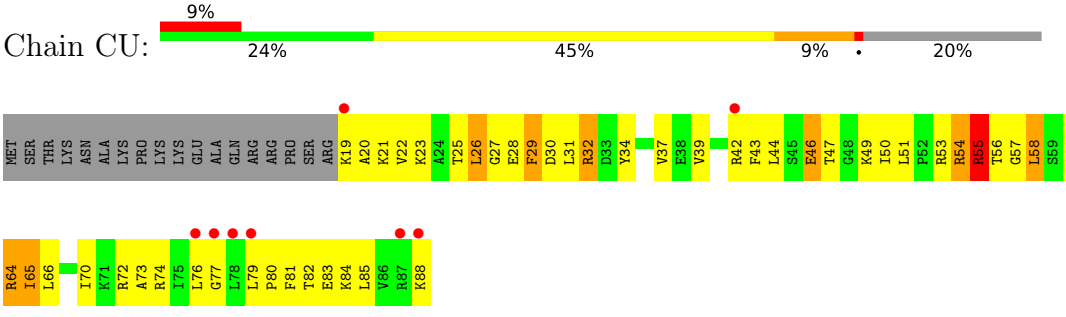
• Molecule 17: 30S RIBOSOMAL PROTEIN S17



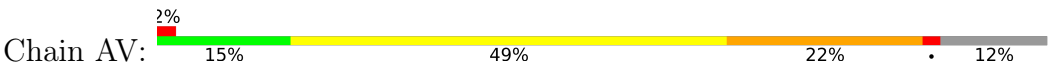
• Molecule 18: 30S RIBOSOMAL PROTEIN S18

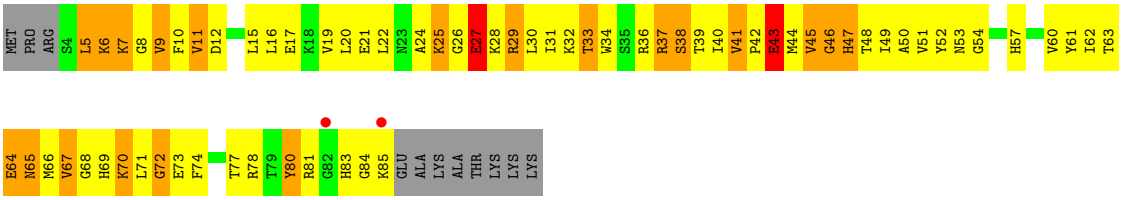


• Molecule 18: 30S RIBOSOMAL PROTEIN S18



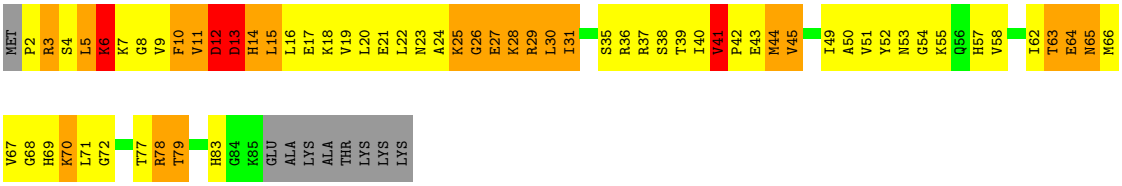
• Molecule 19: 30S RIBOSOMAL PROTEIN S19





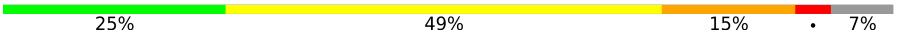
• Molecule 19: 30S RIBOSOMAL PROTEIN S19

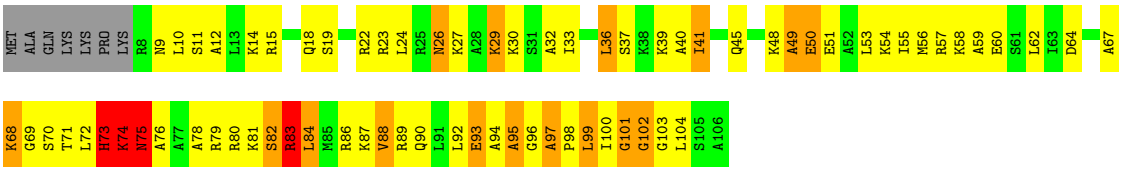
Chain CV:



• Molecule 20: 30S RIBOSOMAL PROTEIN S20

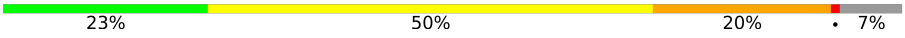
Chain AW:

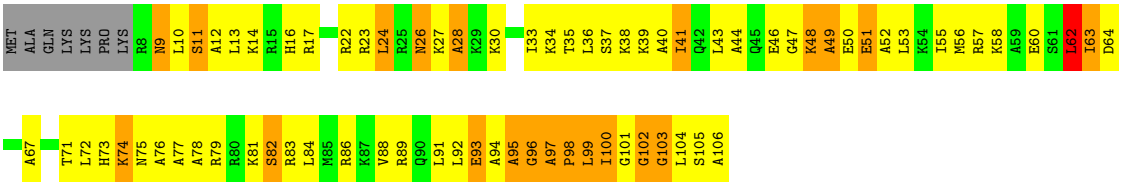




• Molecule 20: 30S RIBOSOMAL PROTEIN S20

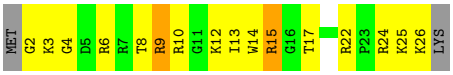
Chain CW:





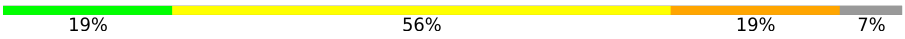
• Molecule 21: 30S RIBOSOMAL PROTEIN THX

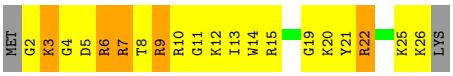
Chain AX:



• Molecule 21: 30S RIBOSOMAL PROTEIN THX

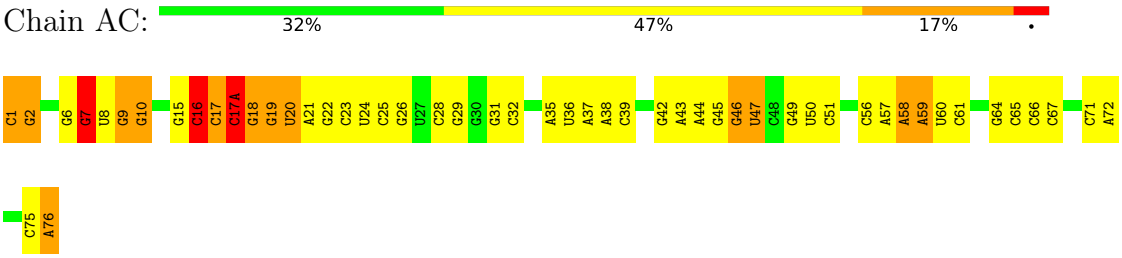
Chain CX:





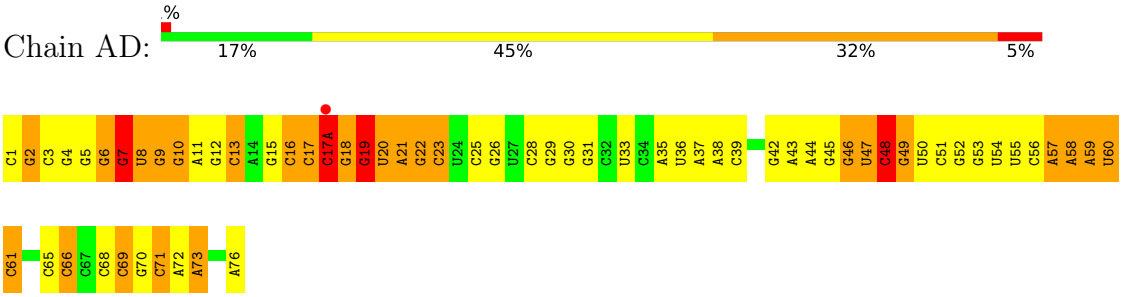
• Molecule 22: TRNA FMET (UNMODIFIED BASES)

Chain AC:



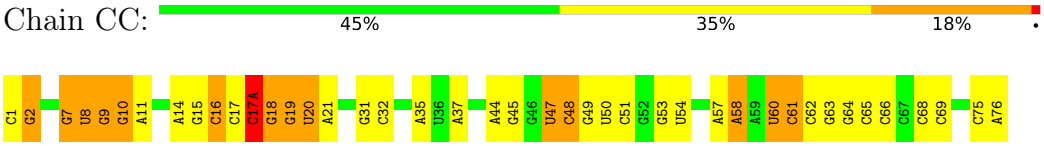
• Molecule 22: TRNA FMET (UNMODIFIED BASES)

Chain AD:



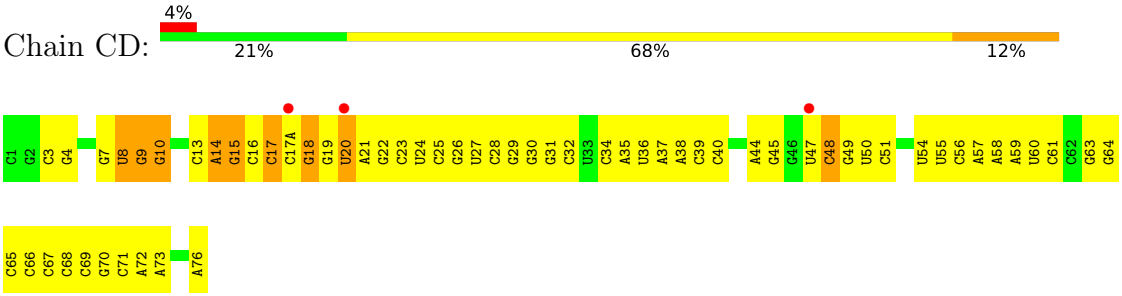
• Molecule 22: TRNA FMET (UNMODIFIED BASES)

Chain CC:



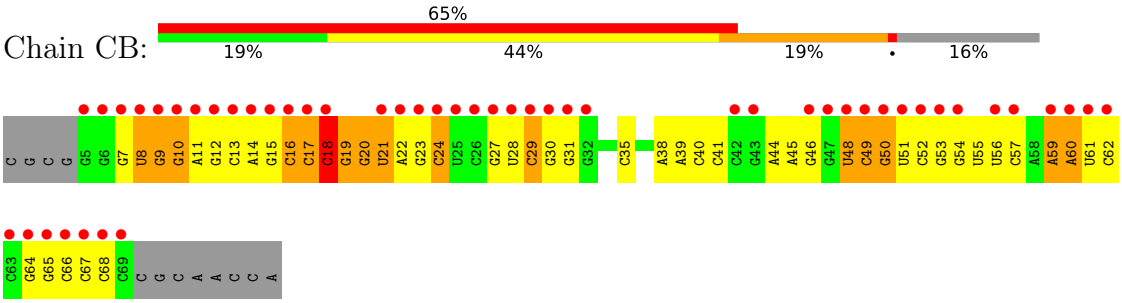
• Molecule 22: TRNA FMET (UNMODIFIED BASES)

Chain CD:



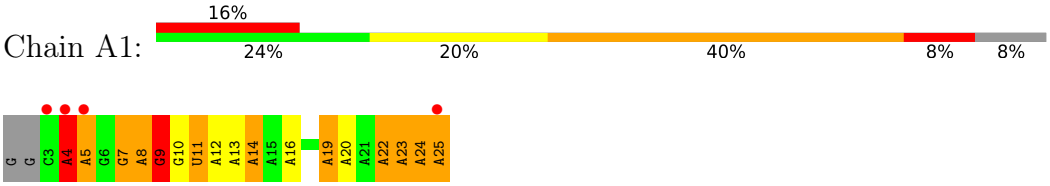
• Molecule 22: TRNA FMET (UNMODIFIED BASES)

Chain CB:



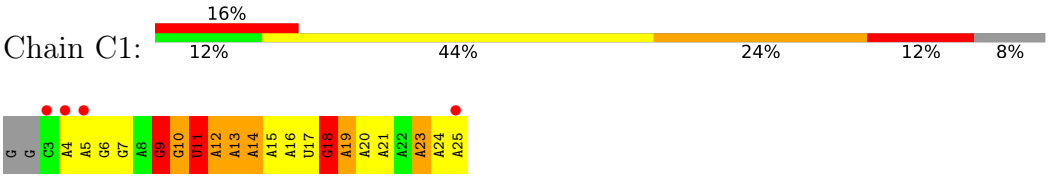
• Molecule 23: MRNA

Chain A1:



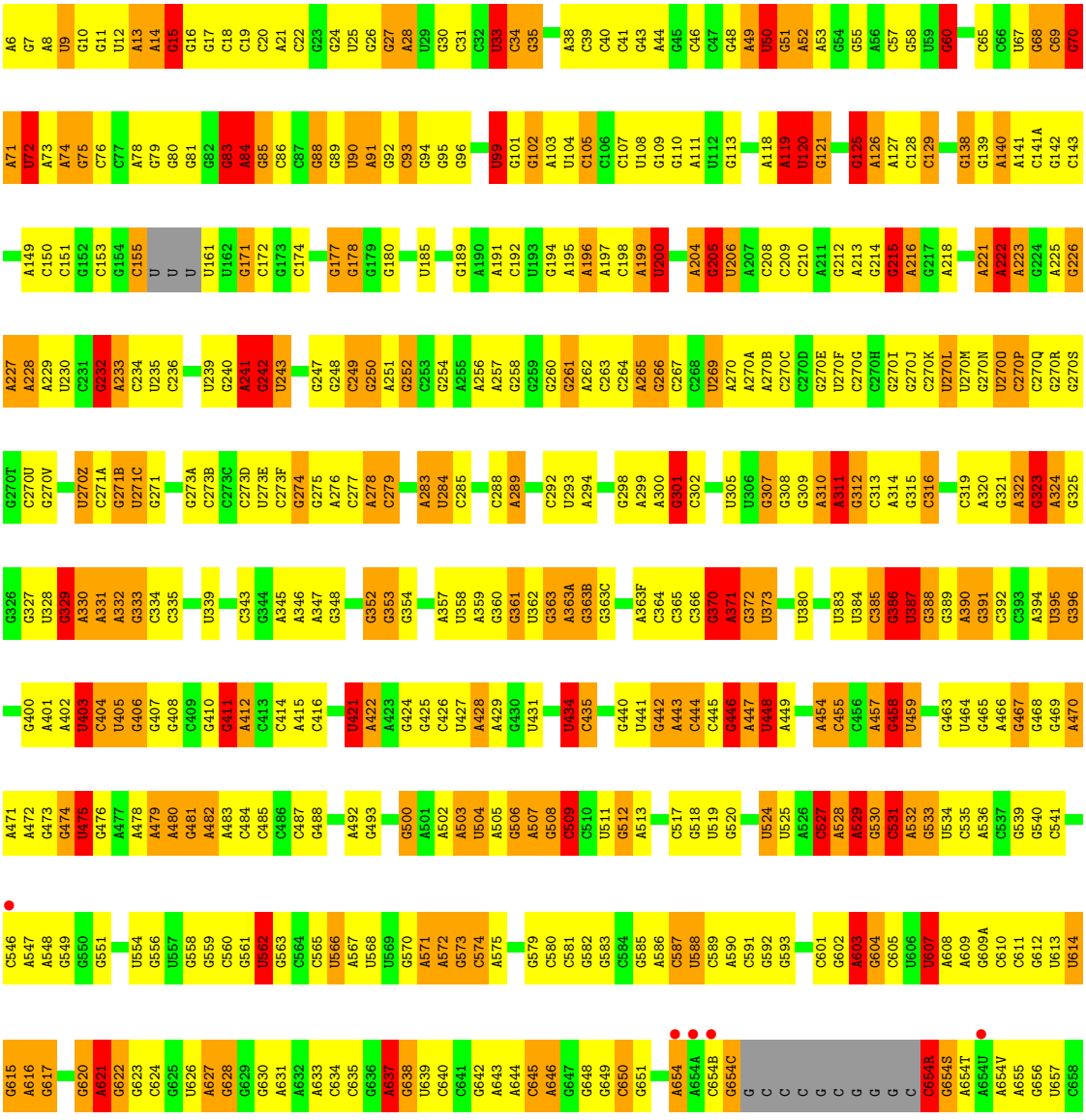
• Molecule 23: MRNA

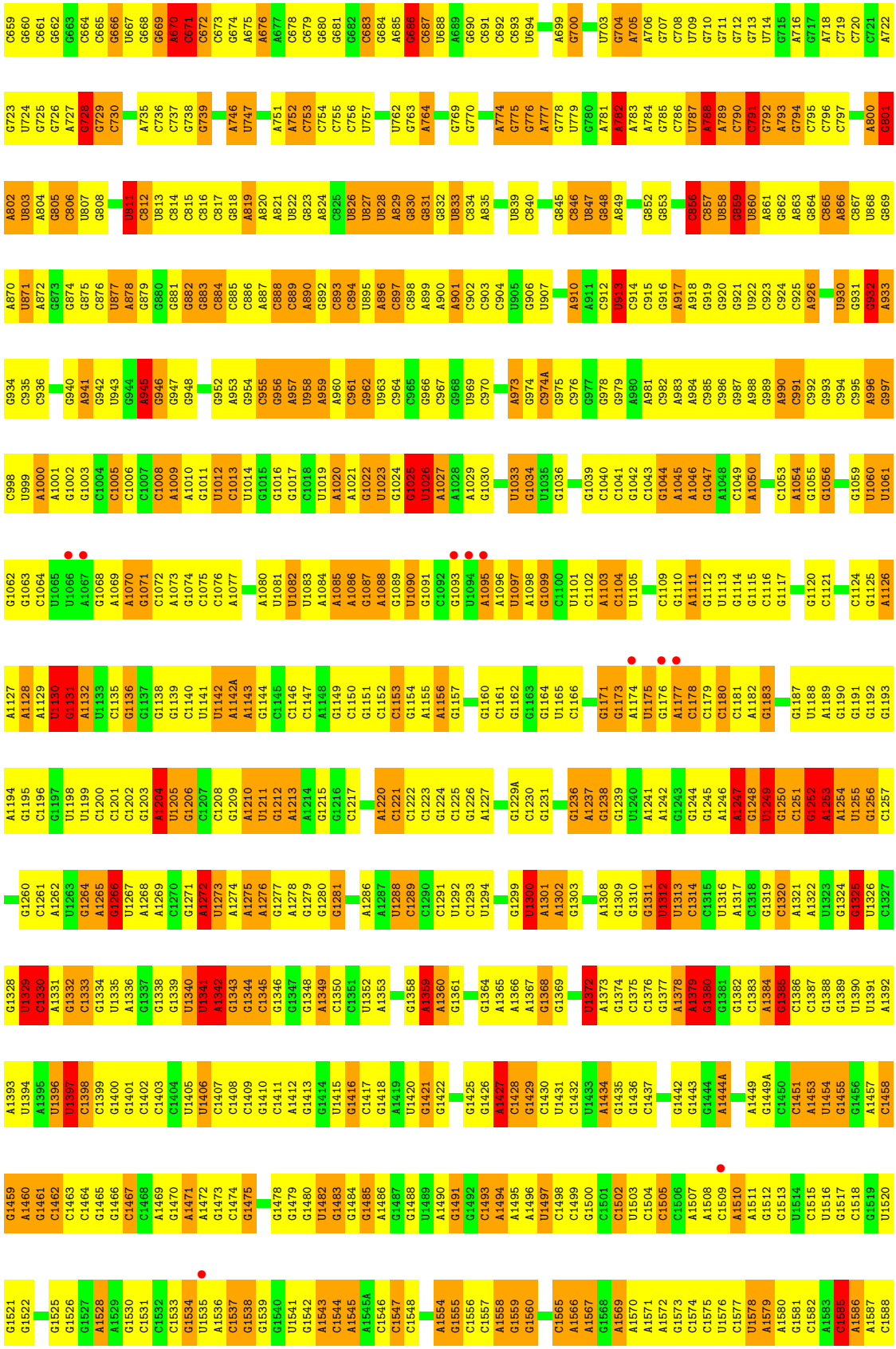
Chain C1:

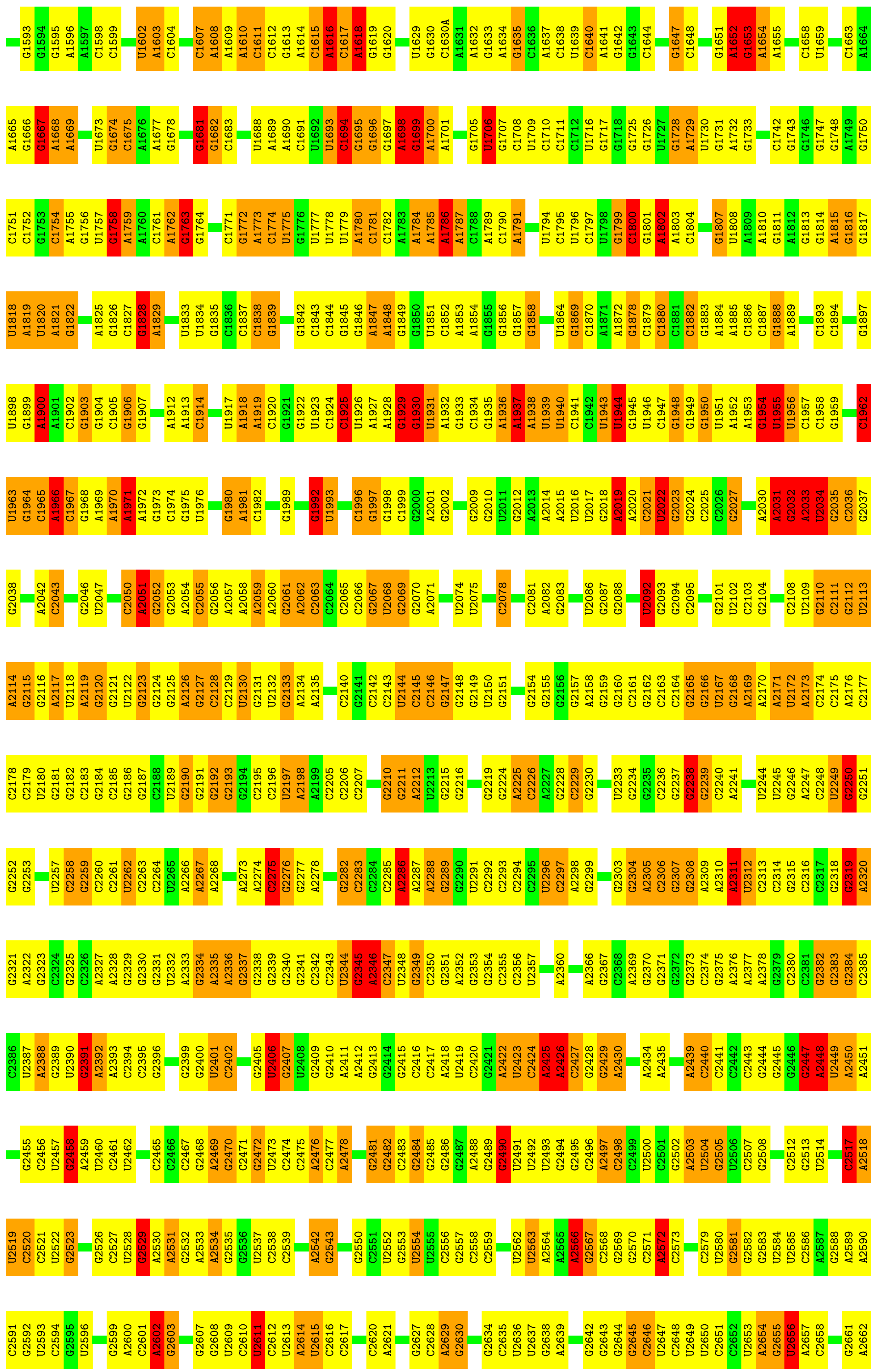


• Molecule 24: 23S ribosomal RNA

Chain BA:



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A1665 G1666 G1667 A1668 A1669 U1673 G1674 C1675 A1676 A1677 G1678 G1681 G1682 C1683 U1688 A1689 A1690 C1691 U1692 U1693 C1694 G1695 G1696 G1697 A1698 G1699 A1700 A1701 G1705 U1706 G1707 C1708 U1709 C1710 C1711 C1712 U1716 G1717 G1718 G1725 G1726 U1727 G1728 A1729 U1730 G1731 A1732 G1733 C1742 G1743 G1746 G1747 G1748 A1749 G1750
C1751 C1752 G1753 C1754 A1755 G1756 U1757 G1758 A1759 A1760 C1761 A1762 G1763 G1764 C1771 G1772 A1773 C1774 U1775 G1776 U1777 U1778 U1779 A1780 C1781 C1782 A1783 A1784 A1785 A1786 A1787 C1788 A1789 C1790 A1791 U1794 C1795 U1796 C1797 U1798 G1799 C1800 G1801 A1802 A1803 C1804 G1807 U1808 A1809 A1810 G1811 A1812 G1813 G1814 A1815 G1816 G1817
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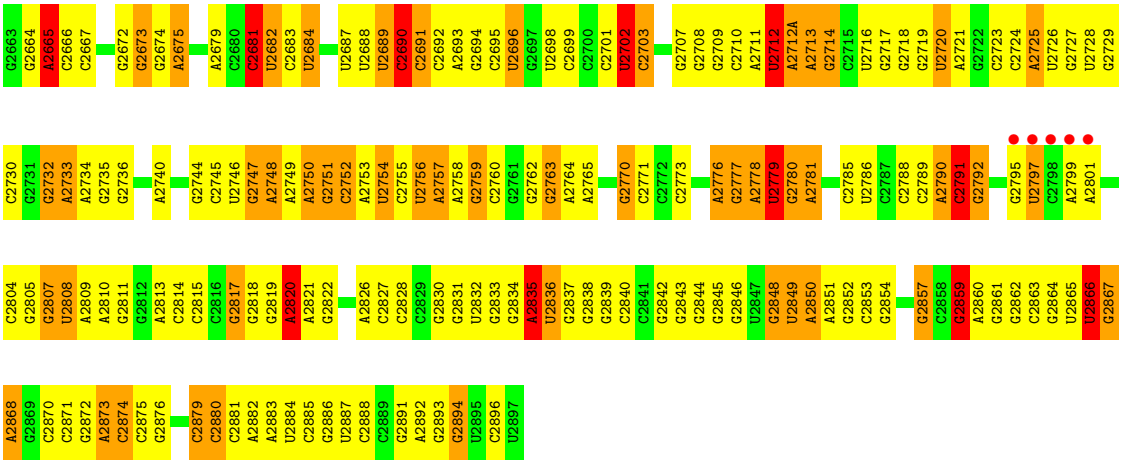
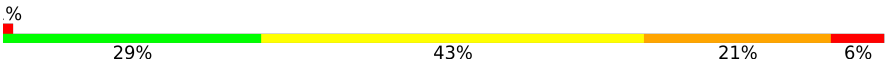
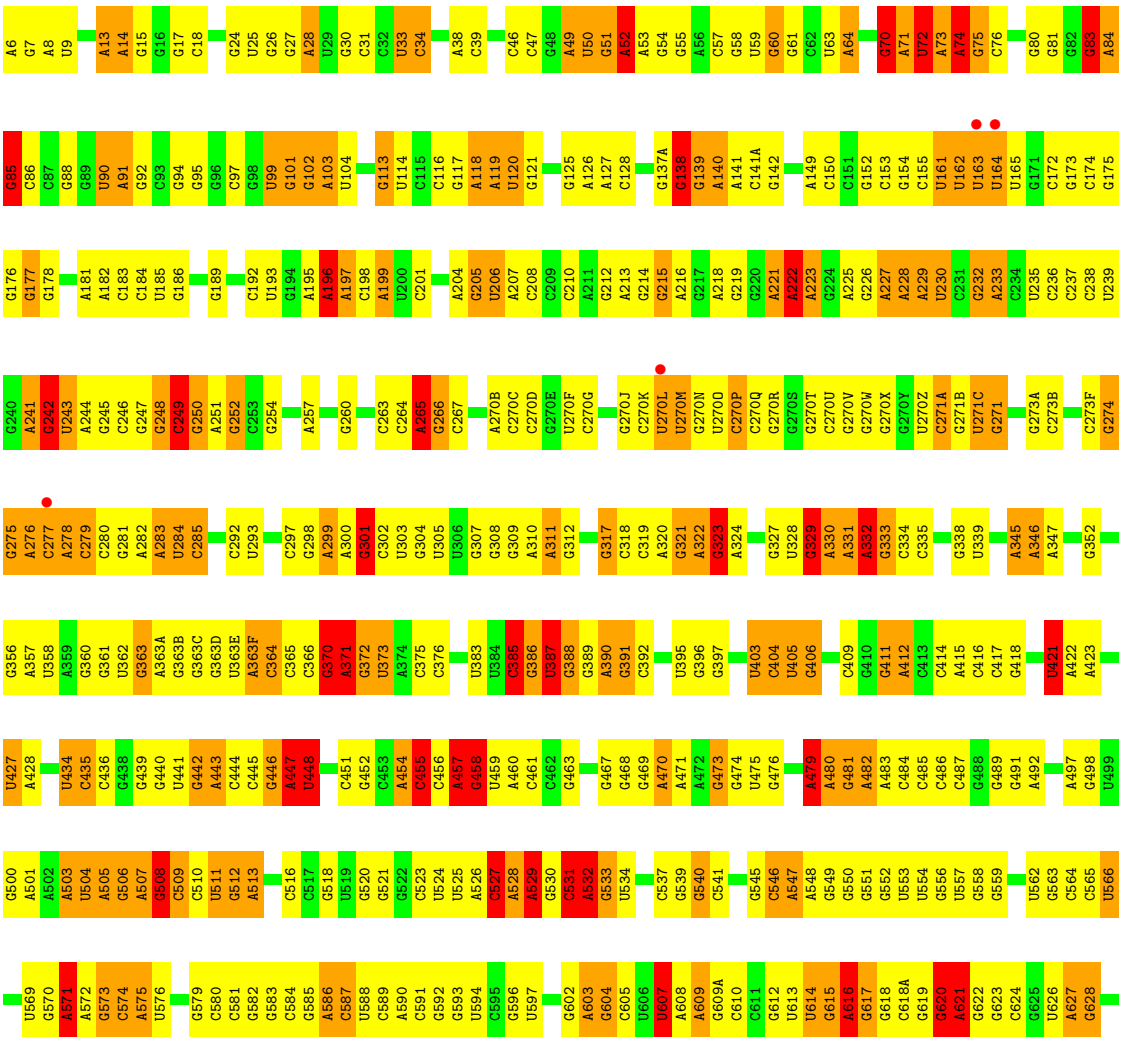
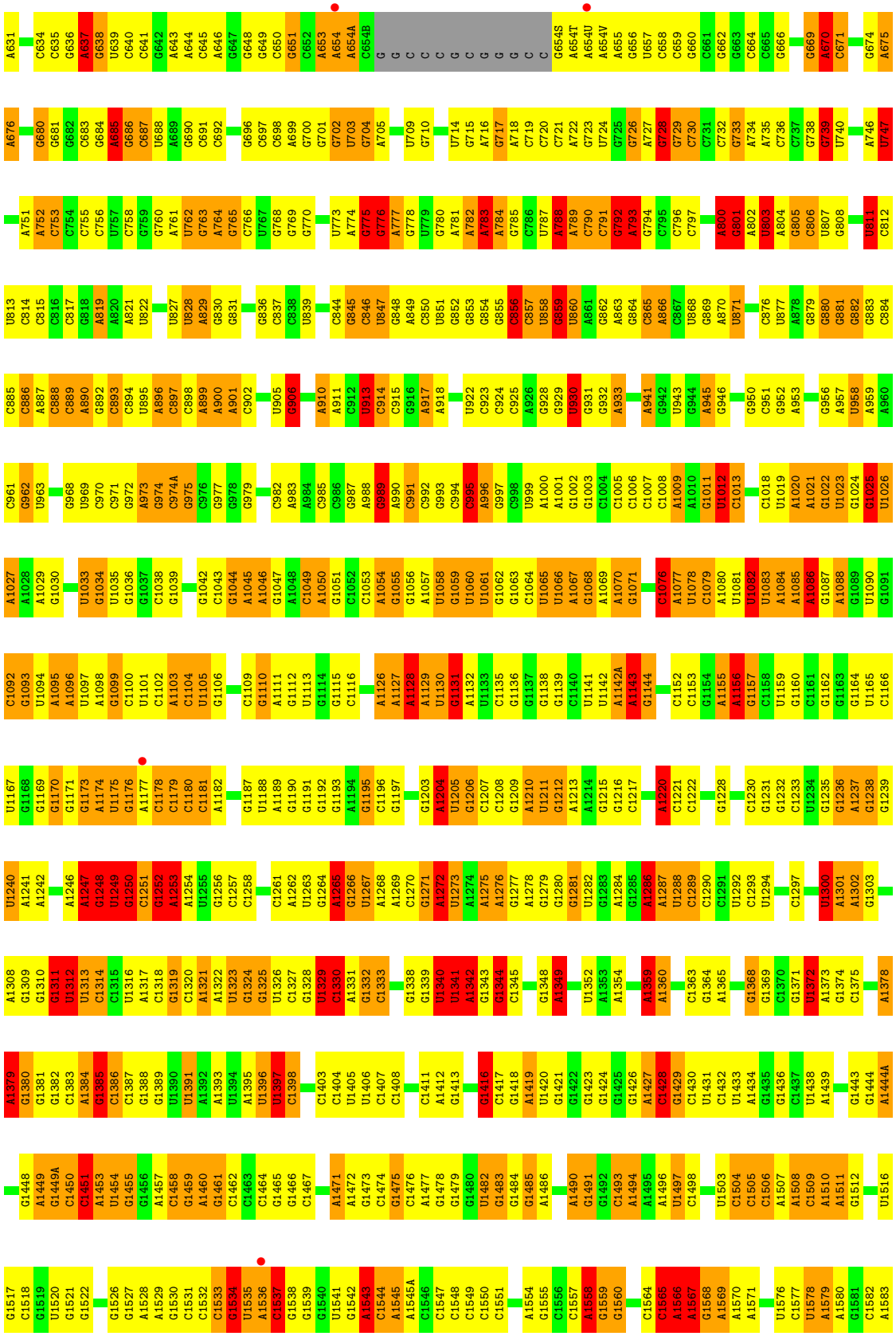


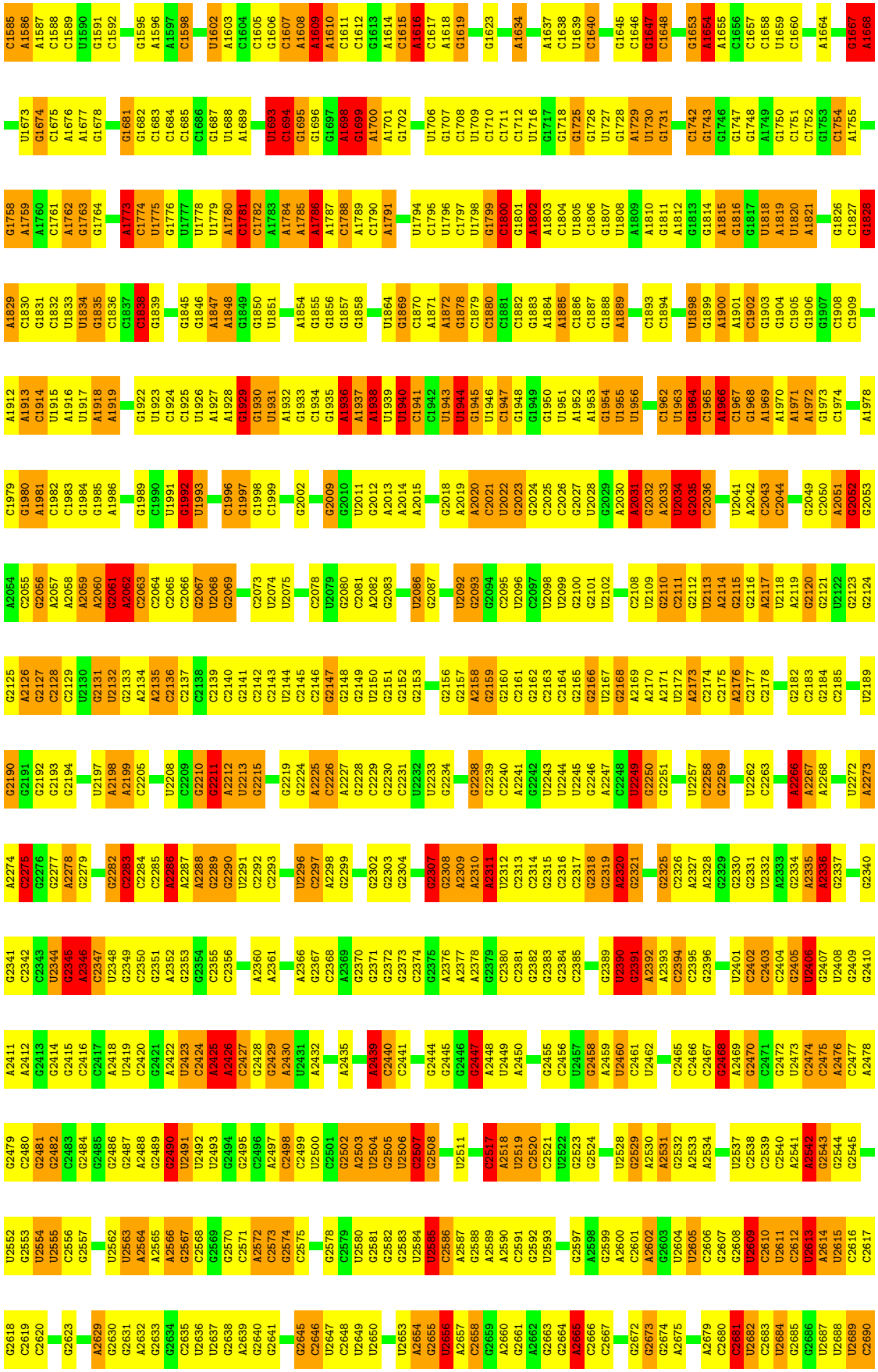
• Molecule 24: 23S ribosomal RNA

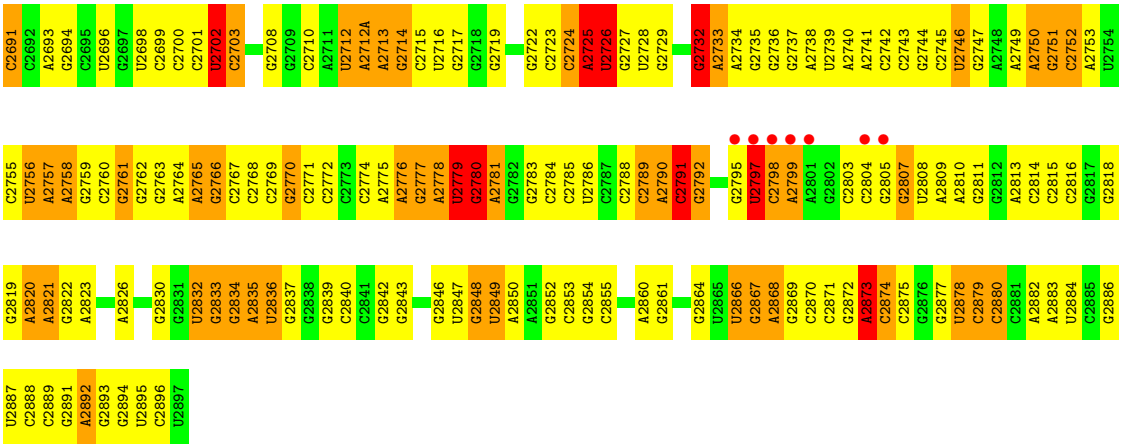
Chain DA:





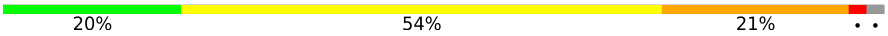


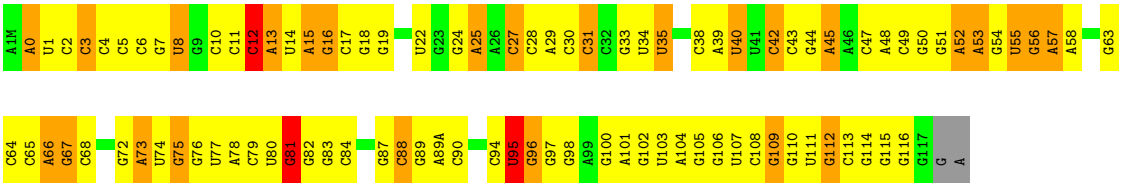




• Molecule 25: 5S ribosomal RNA

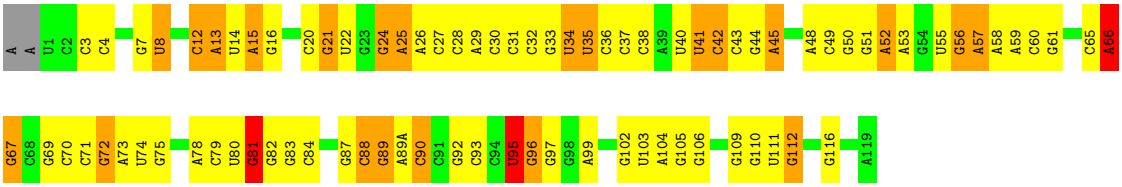
Chain BB:





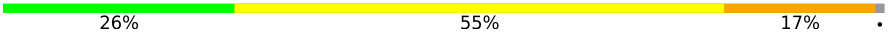
• Molecule 25: 5S ribosomal RNA

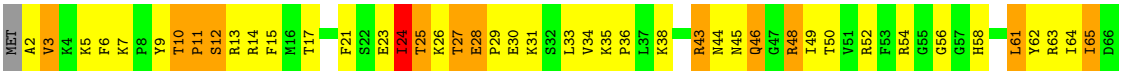
Chain DB:

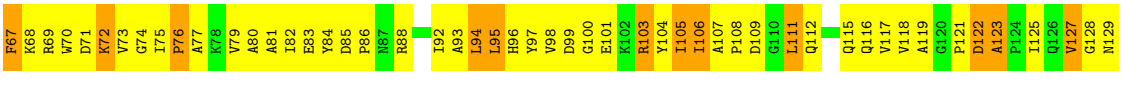


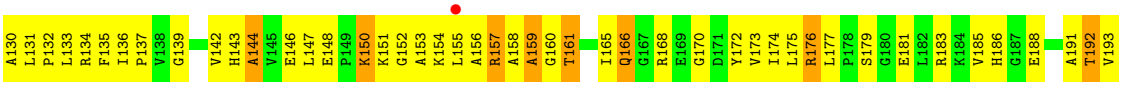
• Molecule 26: 50S ribosomal protein L2

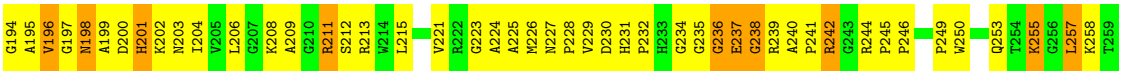
Chain BD:





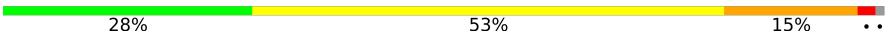


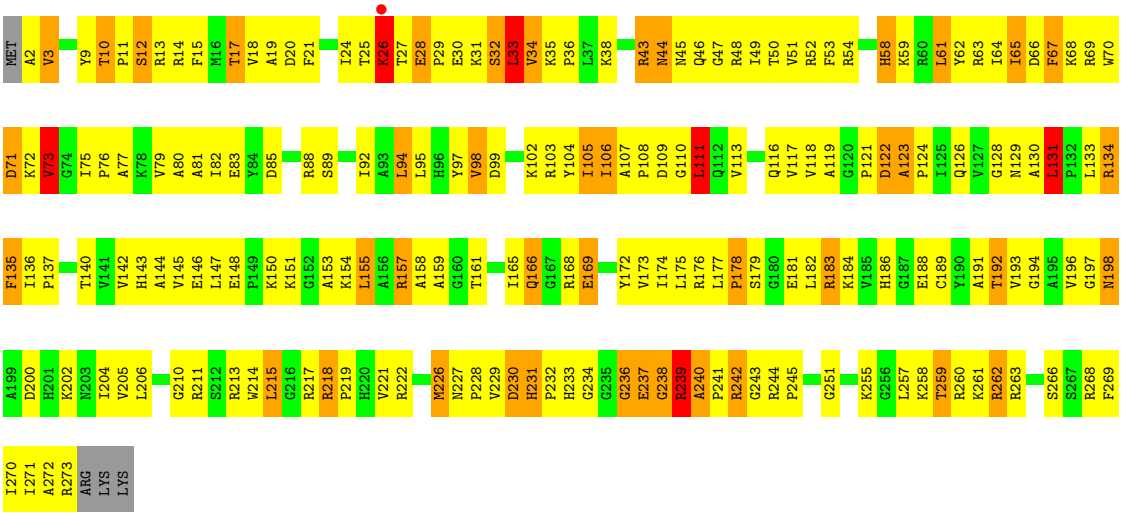




• Molecule 26: 50S ribosomal protein L2

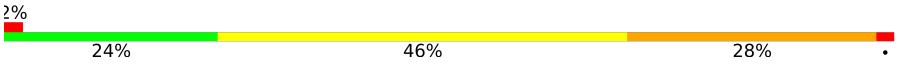
Chain DD:

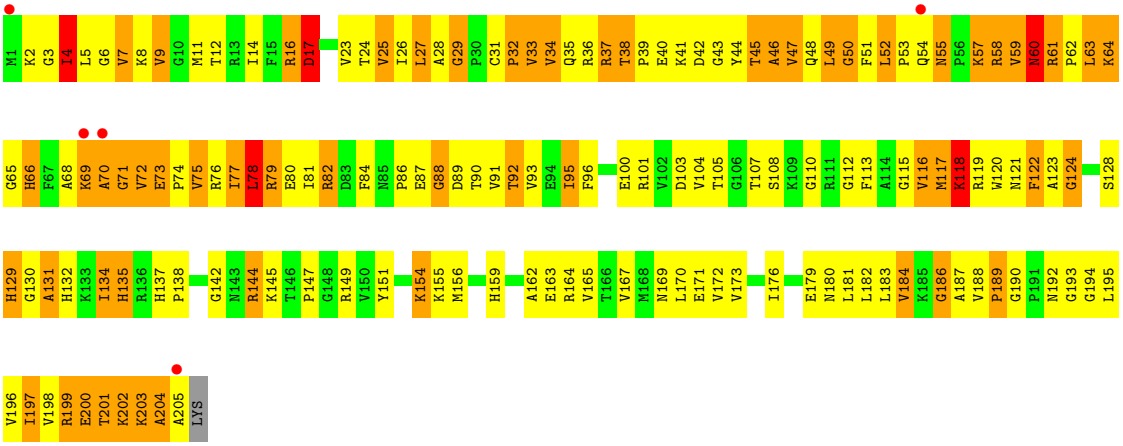




• Molecule 27: 50S ribosomal protein L3

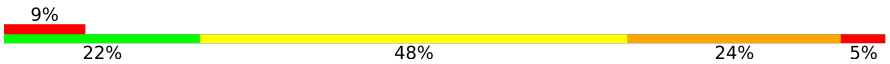
Chain BE:

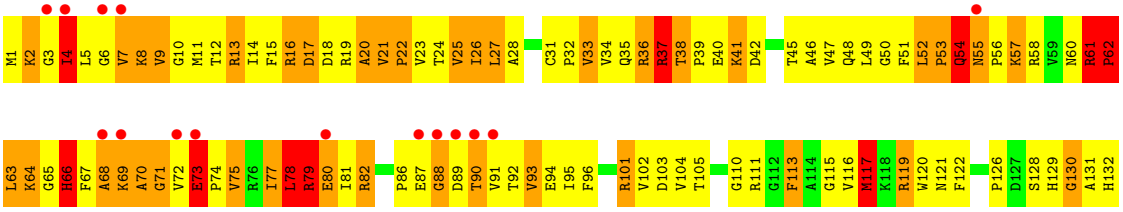


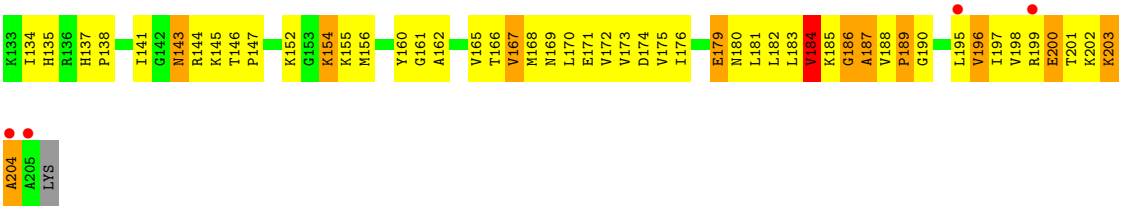


• Molecule 27: 50S ribosomal protein L3

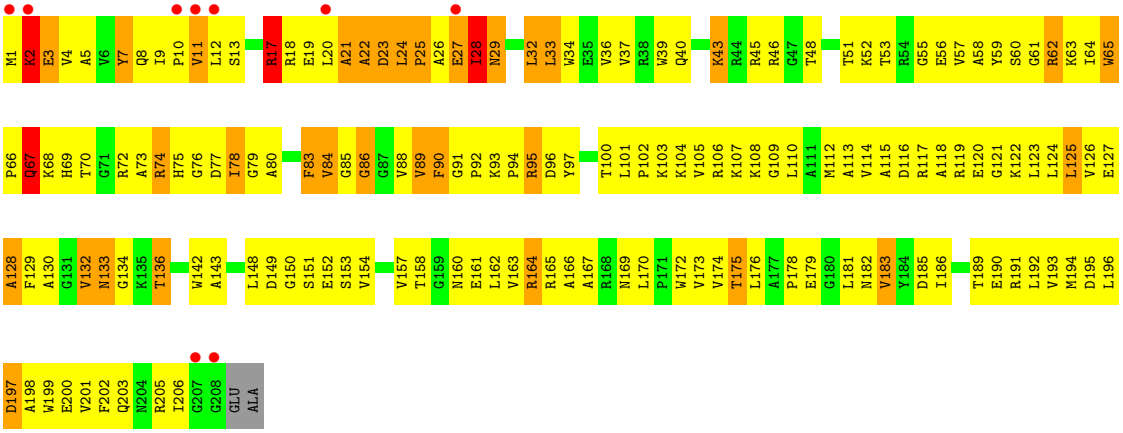
Chain DE:



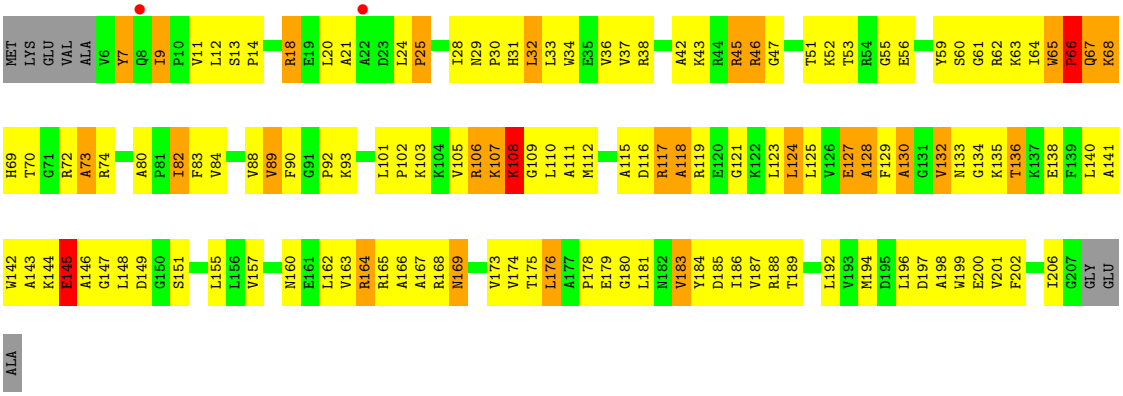




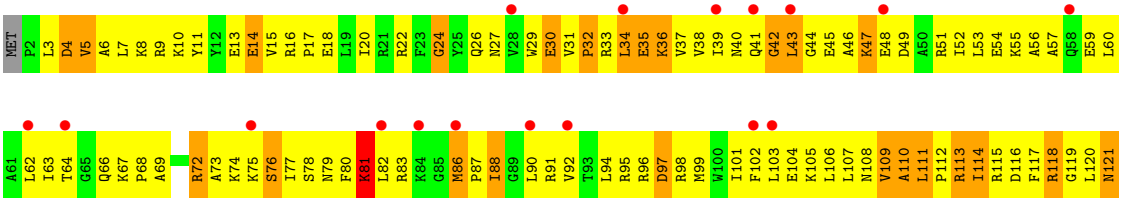
• Molecule 28: 50S ribosomal protein L4



• Molecule 28: 50S ribosomal protein L4

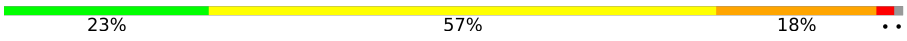


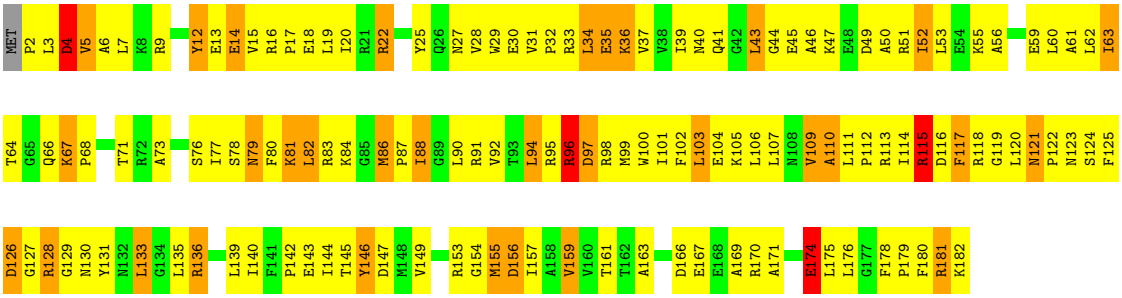
• Molecule 29: 50S ribosomal protein L5



• Molecule 29: 50S ribosomal protein L5

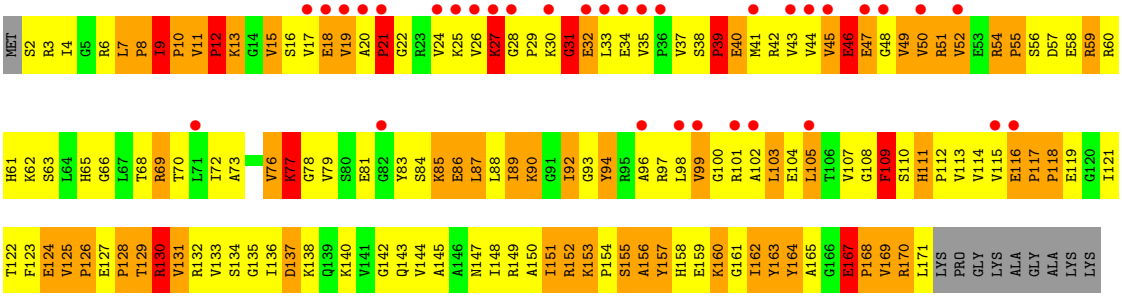
Chain DG:





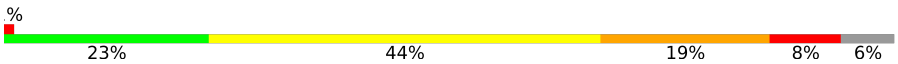
• Molecule 30: 50S ribosomal protein L6

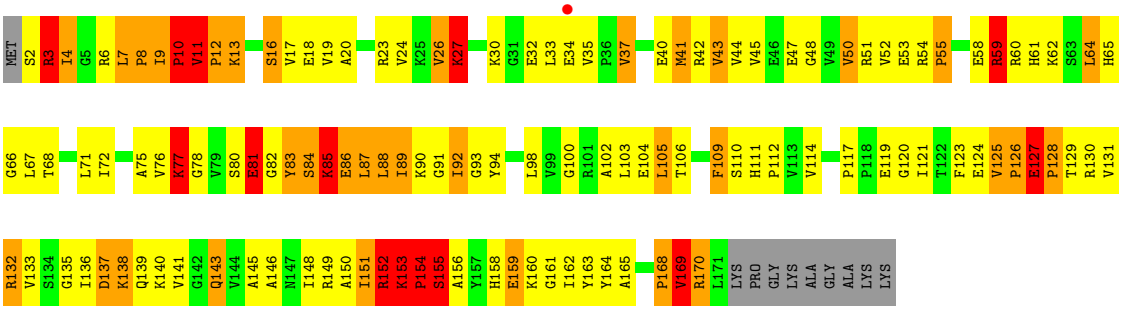
Chain BH:



• Molecule 30: 50S ribosomal protein L6

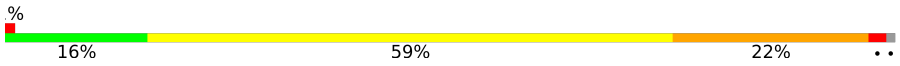
Chain DH:

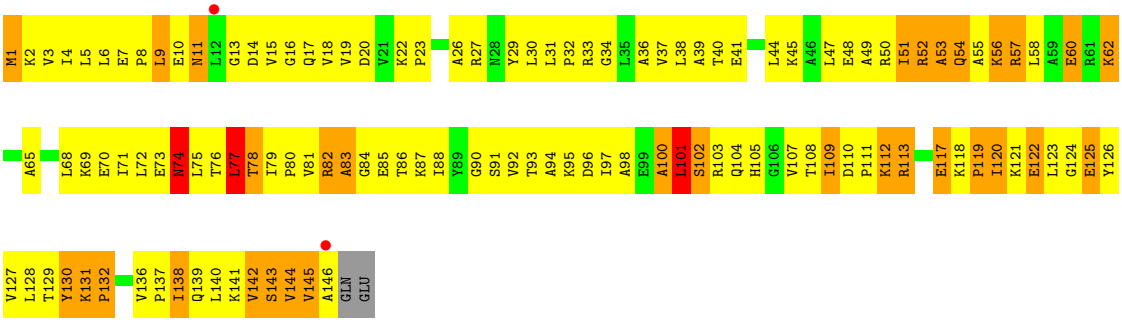




• Molecule 31: 50S ribosomal protein L9

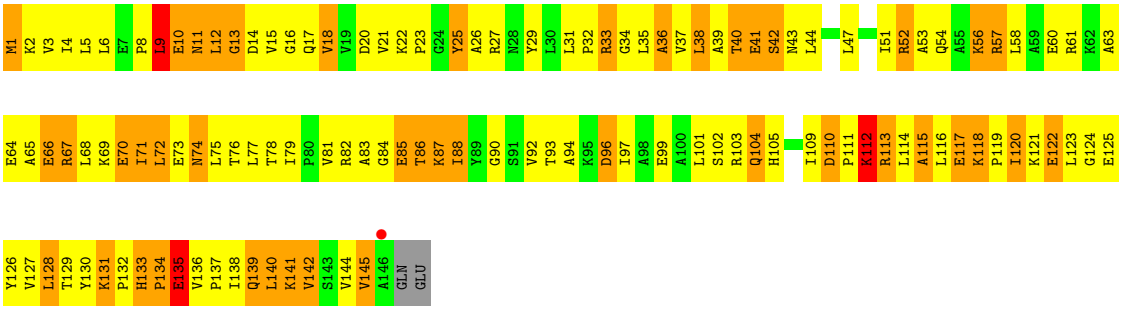
Chain BK:





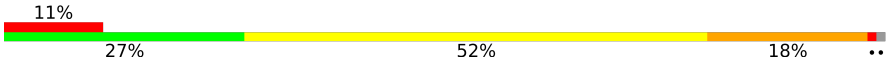
• Molecule 31: 50S ribosomal protein L9

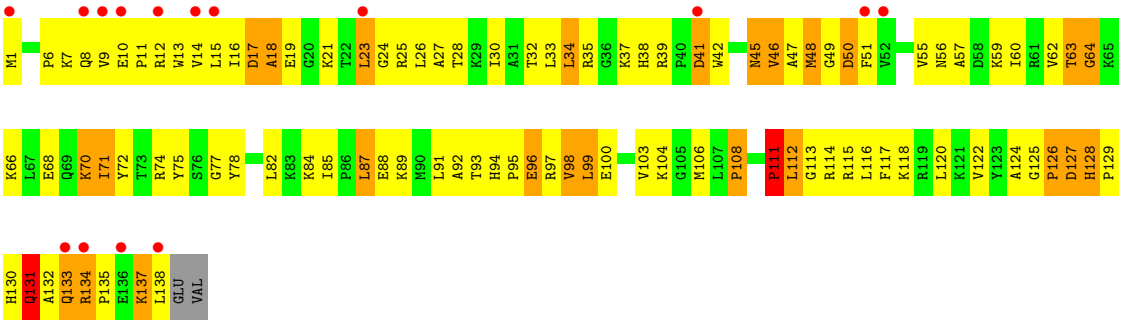
Chain DK:



• Molecule 32: 50S ribosomal protein L13

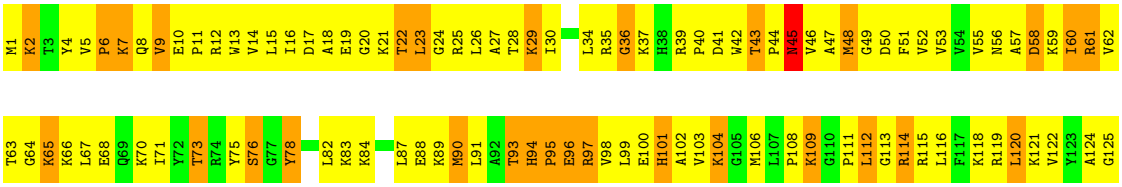
Chain BM:

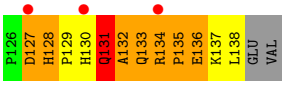




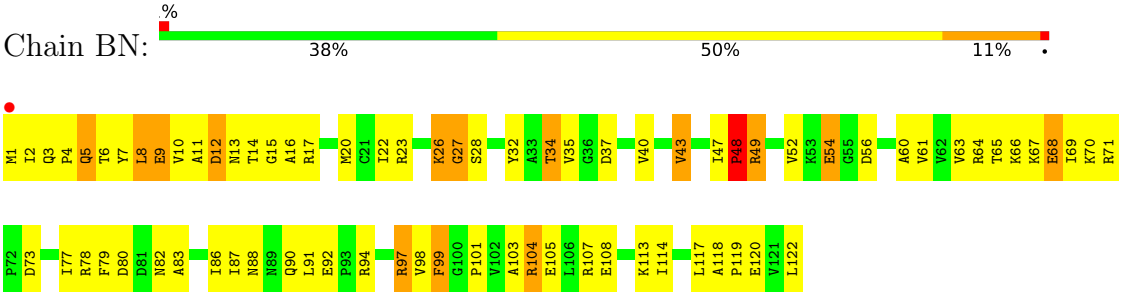
• Molecule 32: 50S ribosomal protein L13

Chain DM:

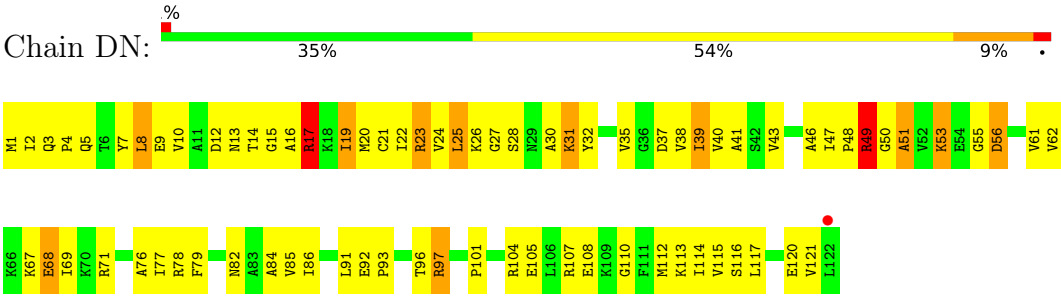




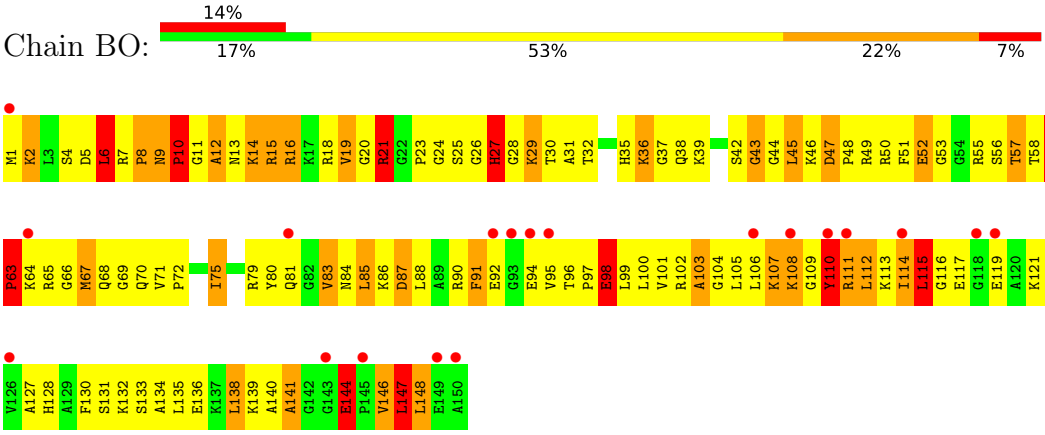
• Molecule 33: 50S ribosomal protein L14



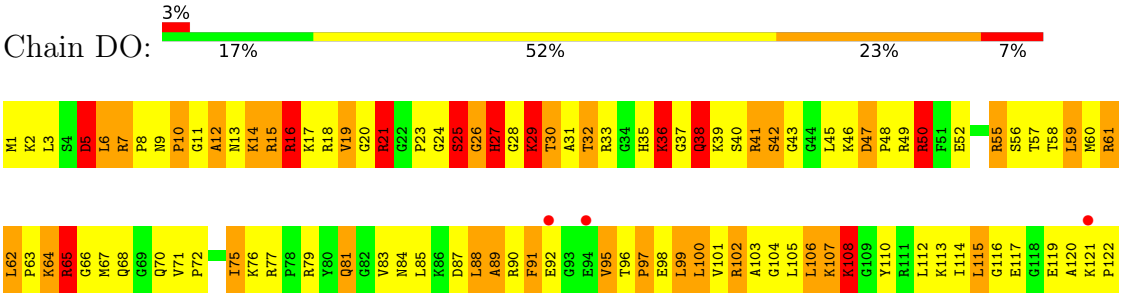
• Molecule 33: 50S ribosomal protein L14

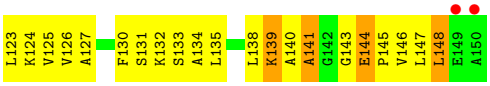


• Molecule 34: 50S ribosomal protein L15



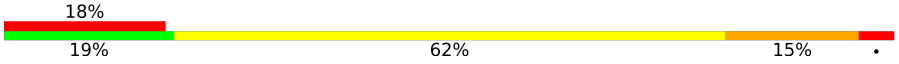
• Molecule 34: 50S ribosomal protein L15

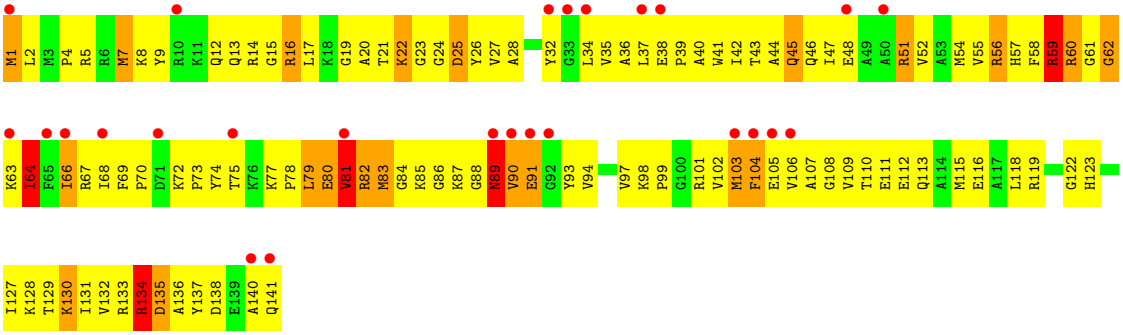




• Molecule 35: 50S ribosomal protein L16

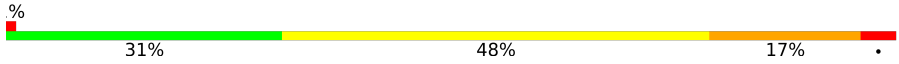
Chain BP:

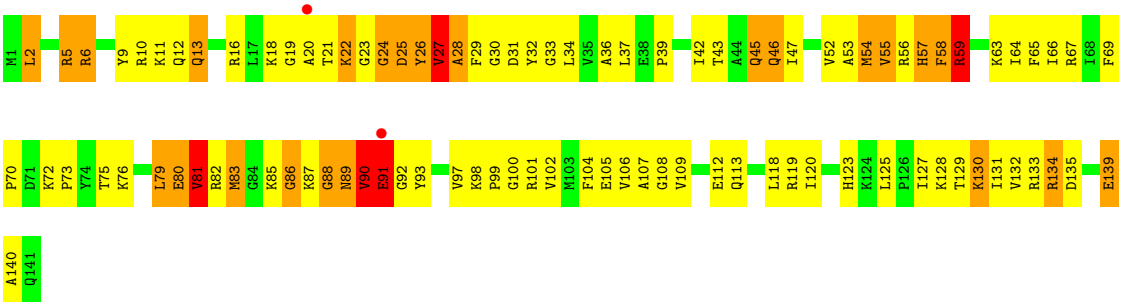




• Molecule 35: 50S ribosomal protein L16

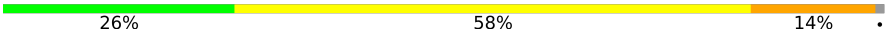
Chain DP:

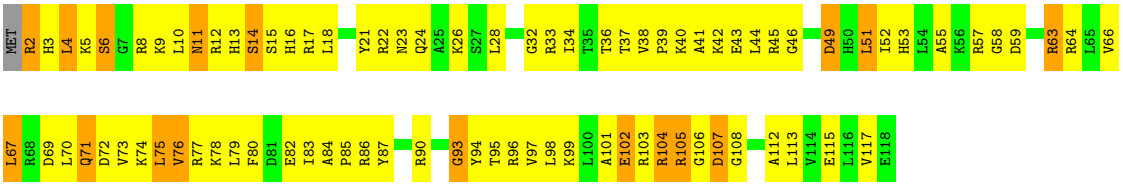




• Molecule 36: 50S ribosomal protein L17

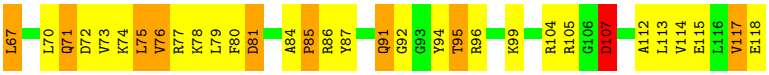
Chain B0:





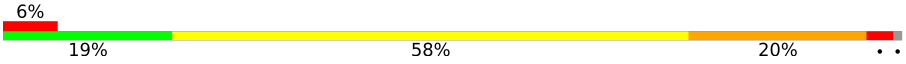
• Molecule 36: 50S ribosomal protein L17

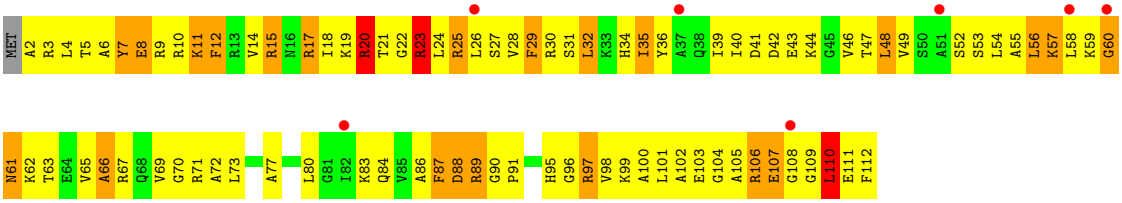
Chain D0:



• Molecule 37: 50S ribosomal protein L18

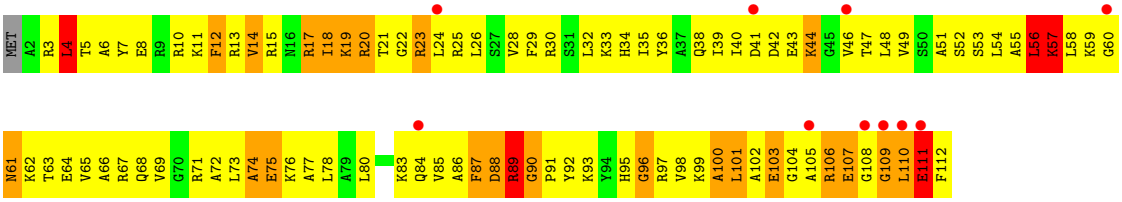
Chain BQ:





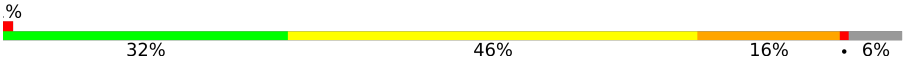
• Molecule 37: 50S ribosomal protein L18

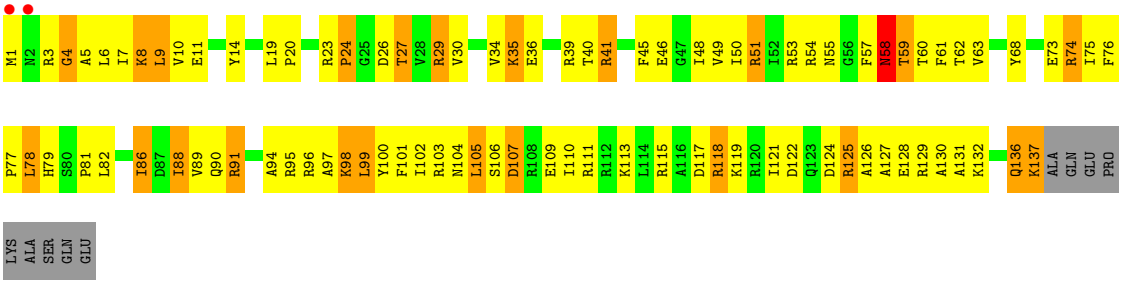
Chain DQ:



• Molecule 38: 50S ribosomal protein L19

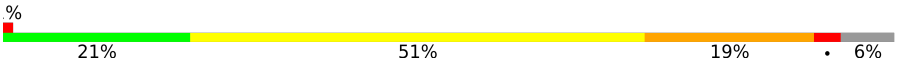
Chain BR:

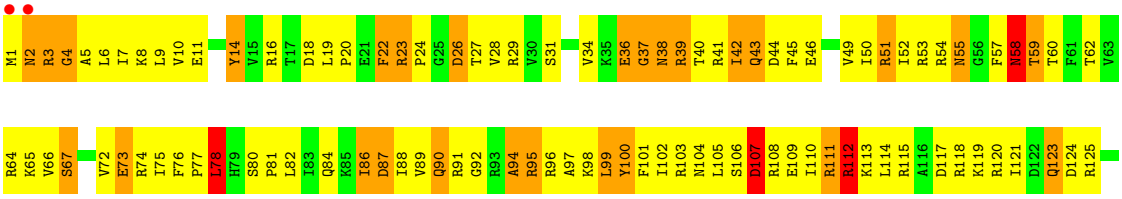


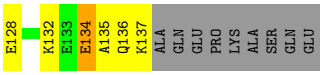


• Molecule 38: 50S ribosomal protein L19

Chain DR:

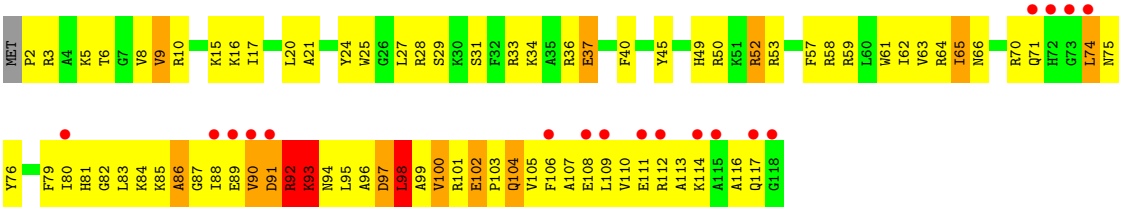






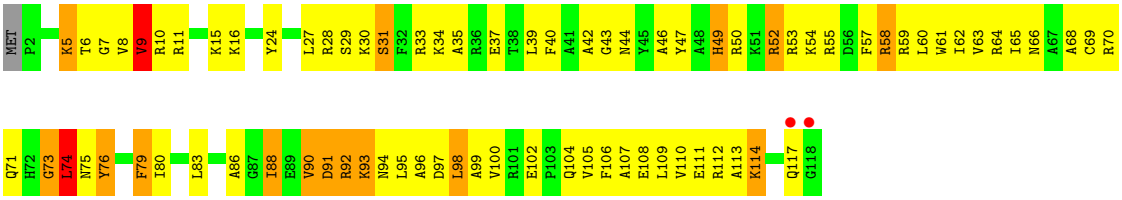
• Molecule 39: 50S ribosomal protein L20

Chain B1:



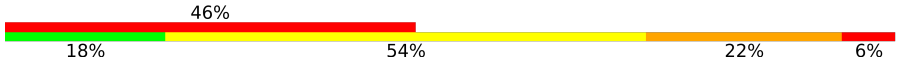
• Molecule 39: 50S ribosomal protein L20

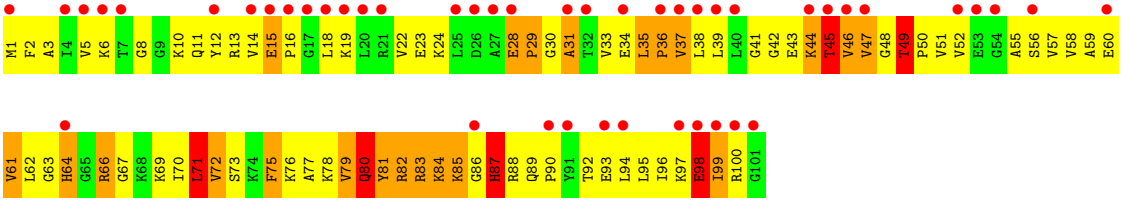
Chain D1:



• Molecule 40: 50S ribosomal protein L21

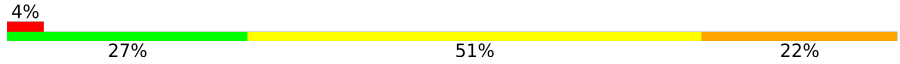
Chain B2:

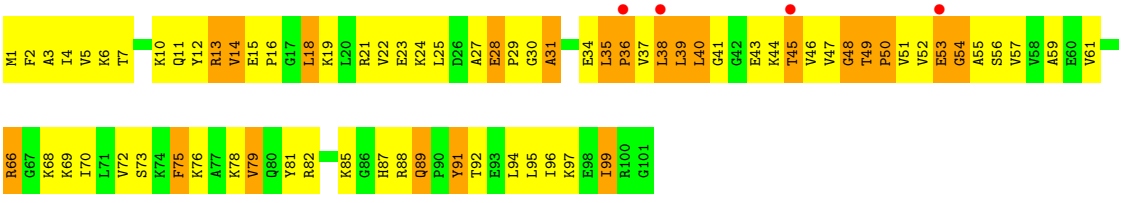




• Molecule 40: 50S ribosomal protein L21

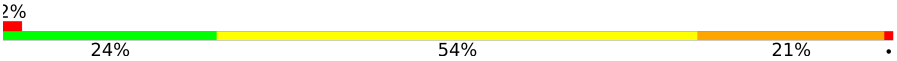
Chain D2:

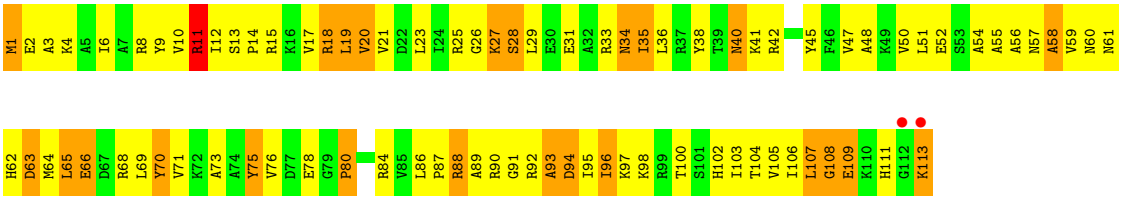


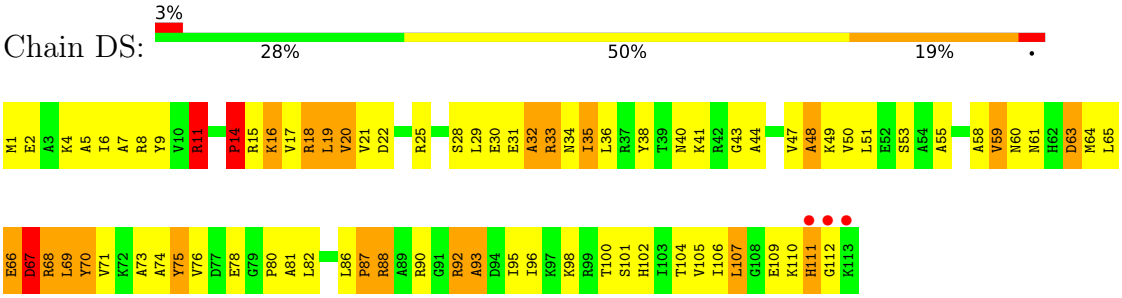


• Molecule 41: 50S ribosomal protein L22

Chain BS:





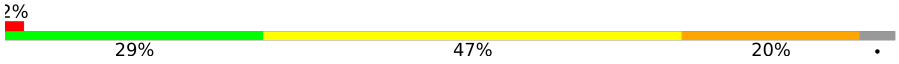


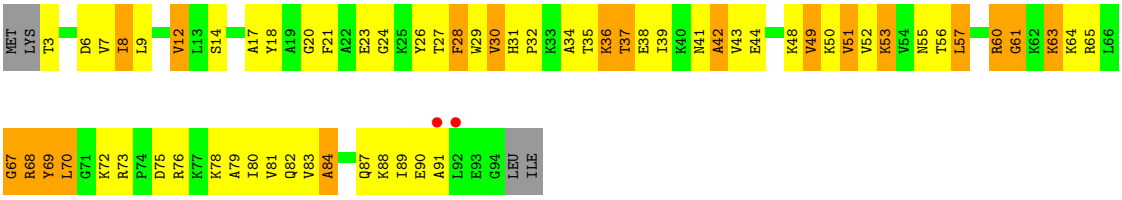
• Molecule 41: 50S ribosomal protein L22

Chain DS:

• Molecule 42: 50S ribosomal protein L23

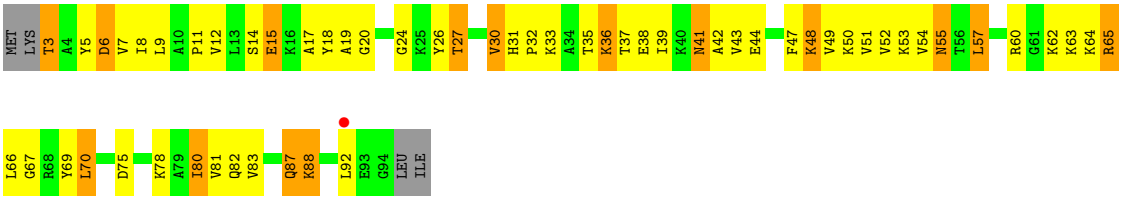
Chain BT:





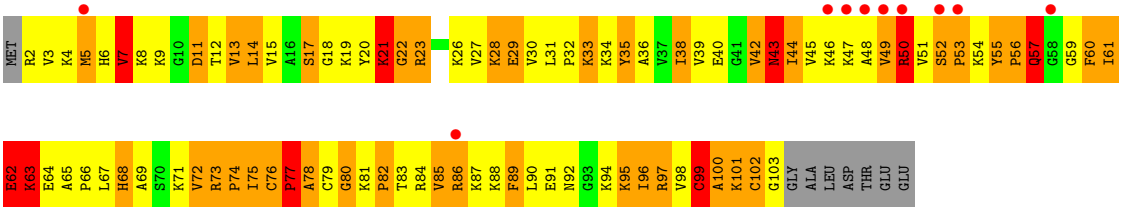
• Molecule 42: 50S ribosomal protein L23

Chain DT:



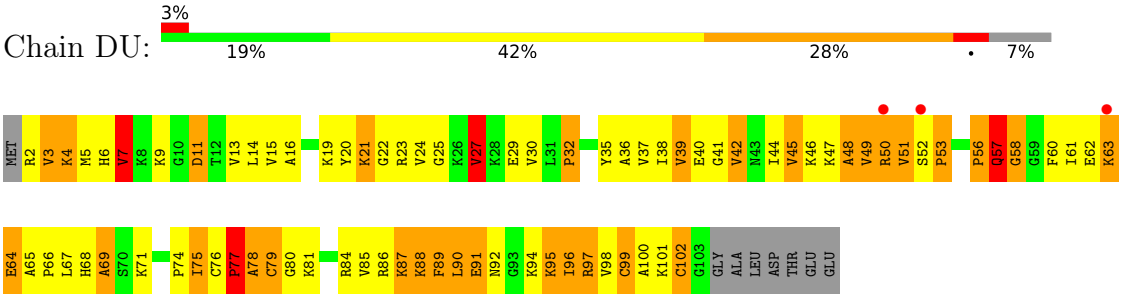
• Molecule 43: 50S ribosomal protein L24

Chain BU:



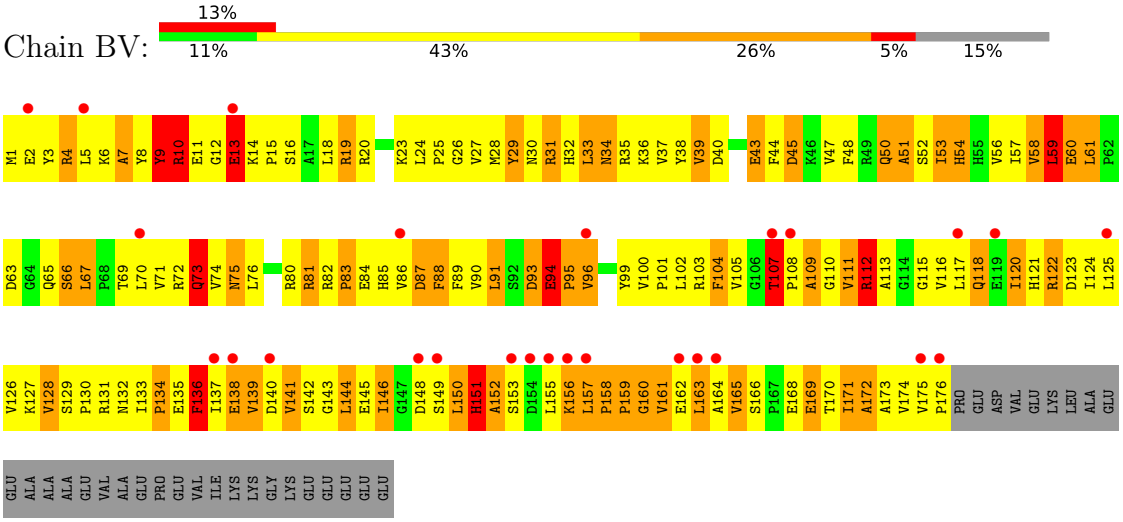
• Molecule 43: 50S ribosomal protein L24

Chain DU:



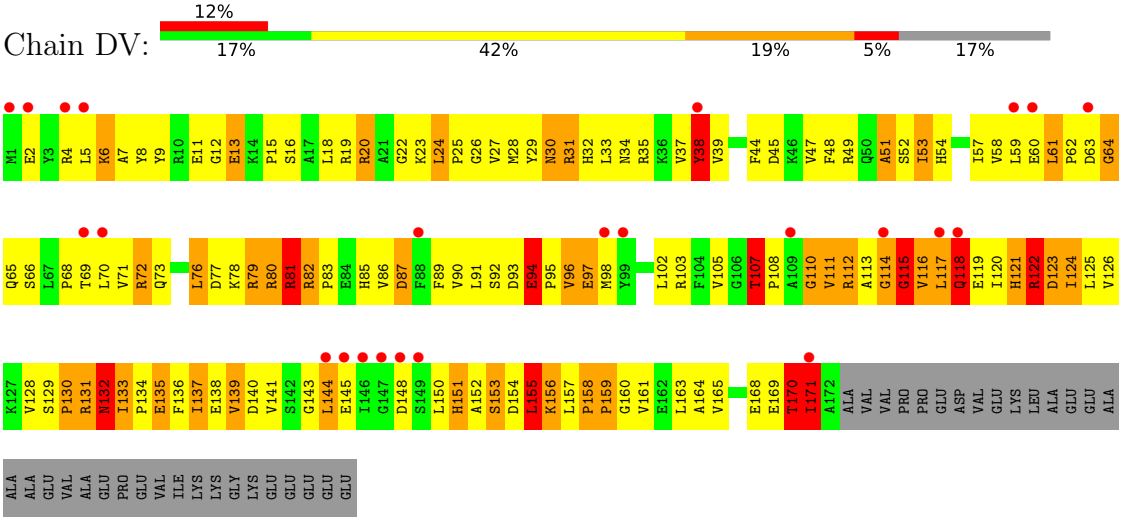
• Molecule 44: 50S ribosomal protein L25

Chain BV:



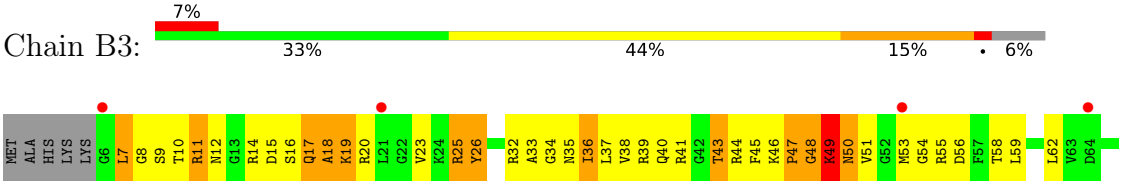
• Molecule 44: 50S ribosomal protein L25

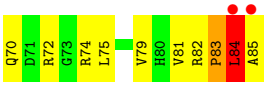
Chain DV:



• Molecule 45: 50S ribosomal protein L27

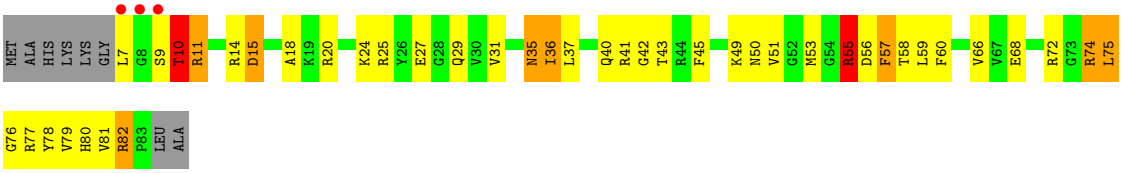
Chain B3:





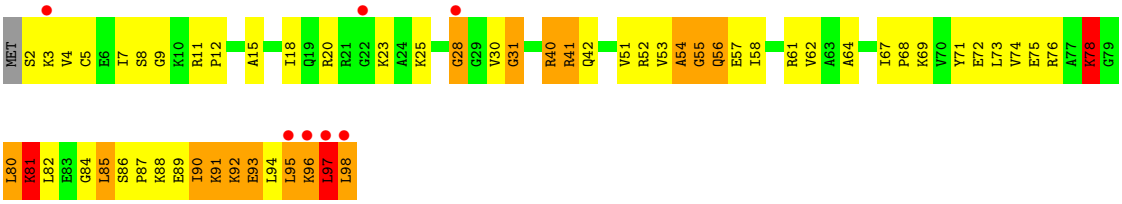
• Molecule 45: 50S ribosomal protein L27

Chain D3:



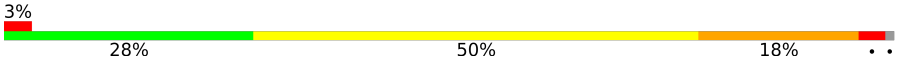
• Molecule 46: 50S ribosomal protein L28

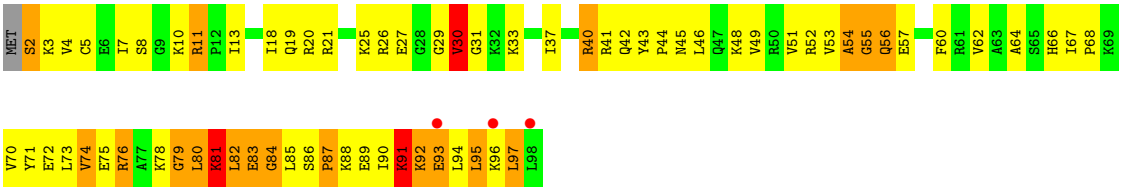
Chain BZ:



• Molecule 46: 50S ribosomal protein L28

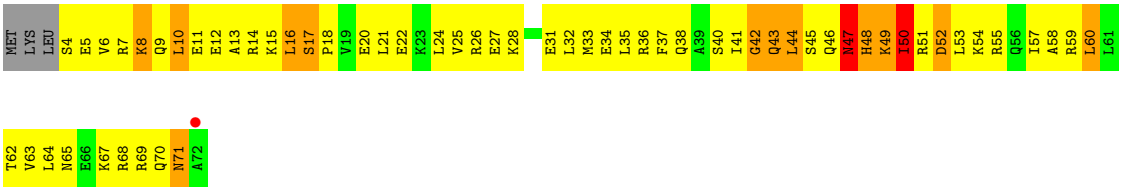
Chain DZ:





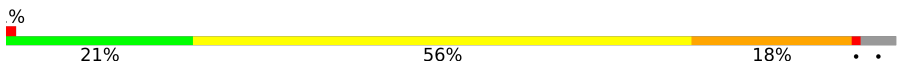
• Molecule 47: 50S ribosomal protein L29

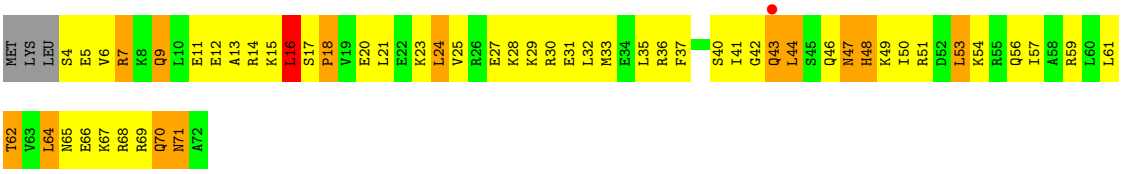
Chain BW:



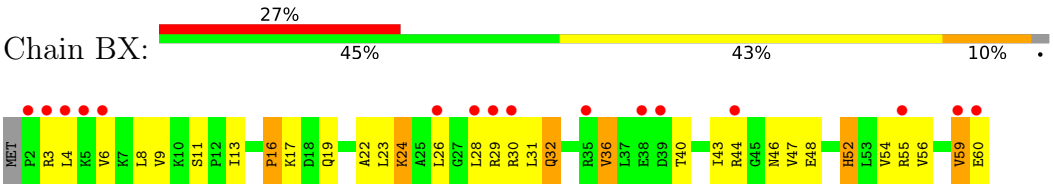
• Molecule 47: 50S ribosomal protein L29

Chain DW:

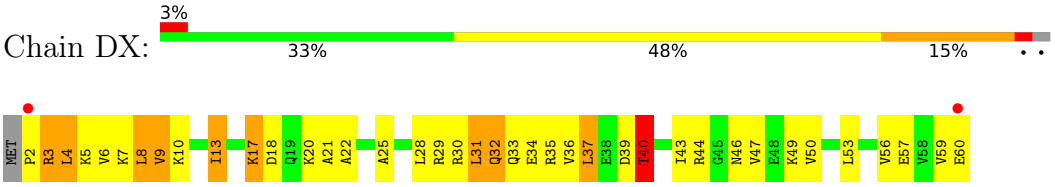




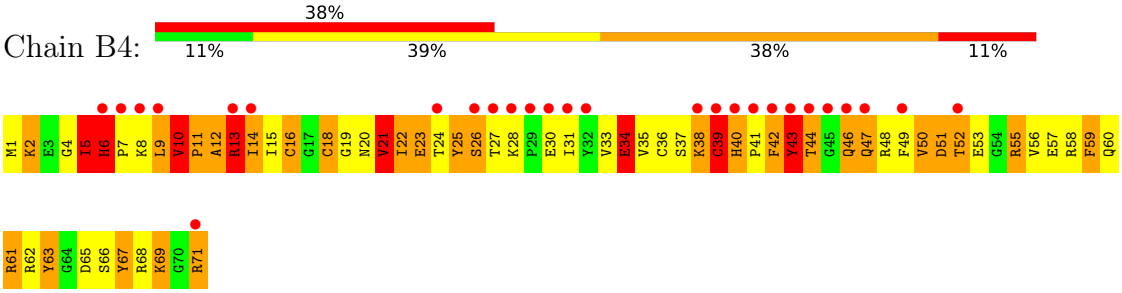
• Molecule 48: 50S ribosomal protein L30



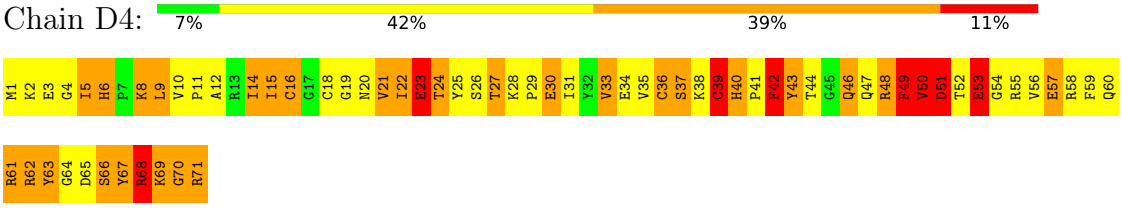
• Molecule 48: 50S ribosomal protein L30



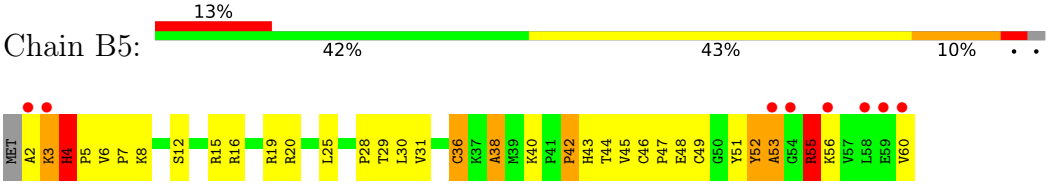
• Molecule 49: 50S ribosomal protein L31



• Molecule 49: 50S ribosomal protein L31

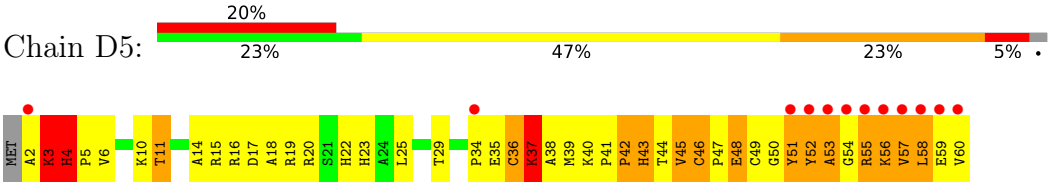


• Molecule 50: 50S ribosomal protein L32



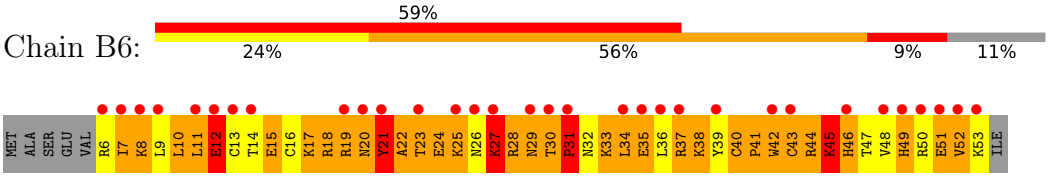
• Molecule 50: 50S ribosomal protein L32

Chain D5:



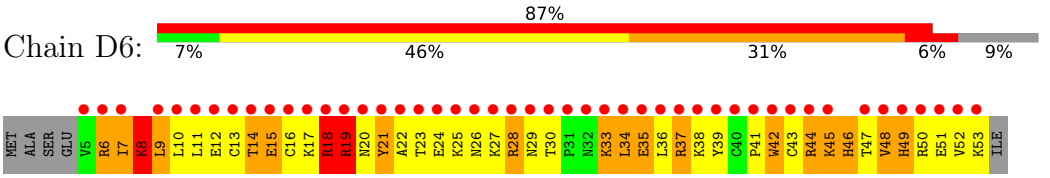
• Molecule 51: 50S ribosomal protein L33

Chain B6:



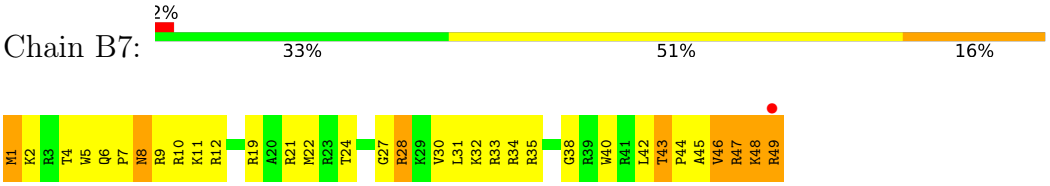
• Molecule 51: 50S ribosomal protein L33

Chain D6:



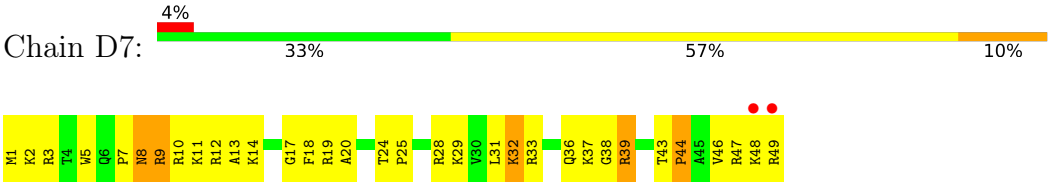
• Molecule 52: 50S ribosomal protein L34

Chain B7:



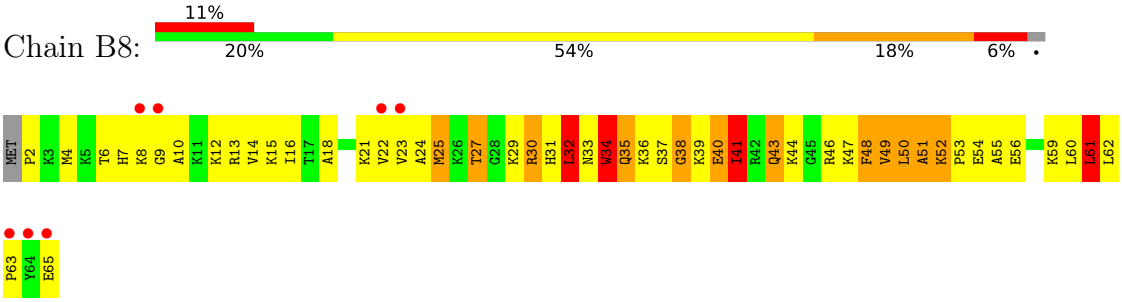
• Molecule 52: 50S ribosomal protein L34

Chain D7:



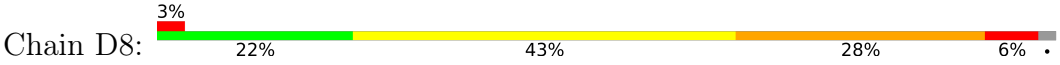
• Molecule 53: 50S ribosomal protein L35

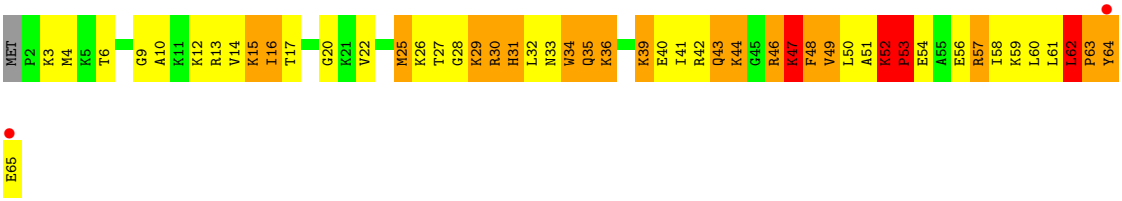
Chain B8:



• Molecule 53: 50S ribosomal protein L35

Chain D8:




MET P2 K3 M4 K5 T6 G9 A10 K11 K12 R13 V14 K15 I16 T17 G20 K21 V22 M25 K26 T27 G28 K29 R30 H31 L32 N33 W34 Q35 K36 K39 E40 I41 R42 Q43 K44 G45 R46 K47 F48 V49 L50 A51 K52 P53 E54 A55 E56 R57 I58 K59 L60 L61 L62 P63 Y64
E65

4 Data and refinement statistics (i)

Property	Value	Source
Space group	P 21 21 21	Depositor
Cell constants a, b, c, α, β, γ	210.46Å 452.18Å 626.12Å 90.00° 90.00° 90.00°	Depositor
Resolution (Å)	300.00 – 3.50 226.09 – 3.00	Depositor EDS
% Data completeness (in resolution range)	96.7 (300.00-3.50) 100.0 (226.09-3.00)	Depositor EDS
R_{merge}	0.28	Depositor
R_{sym}	0.18	Depositor
$< I/\sigma(I) >$ [1]	1.34 (at 3.01Å)	Xtriage
Refinement program	CNS	Depositor
R, R_{free}	0.213 , 0.252 0.214 , 0.216	Depositor DCC
R_{free} test set	22133 reflections (1.88%)	wwPDB-VP
Wilson B-factor (Å^2)	71.7	Xtriage
Anisotropy	0.113	Xtriage
Bulk solvent k_{sol}(e/Å^3), B_{sol}(Å^2)	0.23 , 63.4	EDS
L-test for twinning[2]	$< \|L\| > = 0.40$, $< L^2 > = 0.22$	Xtriage
Estimated twinning fraction	No twinning to report.	Xtriage
F_o,F_c correlation	0.93	EDS
Total number of atoms	298428	wwPDB-VP
Average B, all atoms (Å^2)	106.0	wwPDB-VP

Xtriage's analysis on translational NCS is as follows: *The largest off-origin peak in the Patterson function is 1.33% 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: ZN, MG

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	AA	0.46	1/36490 (0.0%)	0.80	49/56951 (0.1%)
1	CA	0.49	9/36439 (0.0%)	0.82	73/56872 (0.1%)
2	AE	0.34	0/1950	0.66	0/2630
2	CE	0.35	0/1959	0.64	0/2642
3	AF	0.36	0/1636	0.65	0/2205
3	CF	0.36	0/1629	0.60	0/2195
4	AG	0.44	0/1733	0.78	4/2318 (0.2%)
4	CG	0.41	0/1733	0.69	1/2318 (0.0%)
5	AH	0.40	0/1195	0.68	0/1609
5	CH	0.37	0/1171	0.66	0/1576
6	AI	0.38	0/856	0.67	0/1154
6	CI	0.42	0/856	0.67	0/1154
7	AJ	0.36	0/1276	0.66	0/1709
7	CJ	0.36	0/1276	0.60	0/1709
8	AK	0.35	0/1136	0.65	0/1527
8	CK	0.40	0/1136	0.69	0/1527
9	AL	0.35	0/1037	0.70	0/1389
9	CL	0.35	0/1029	0.67	0/1379
10	AM	0.34	0/814	0.65	0/1095
10	CM	0.35	0/814	0.61	0/1095
11	AN	0.38	0/916	0.72	0/1234
11	CN	0.39	0/900	0.67	0/1213
12	AO	0.42	0/991	0.74	0/1327
12	CO	0.45	0/991	1.00	4/1327 (0.3%)
13	AP	0.47	1/947 (0.1%)	0.72	0/1270
13	CP	0.34	0/974	0.66	0/1303
14	AQ	0.36	0/501	0.64	0/664
14	CQ	0.42	0/501	0.70	1/664 (0.2%)
15	AR	0.39	0/745	0.61	0/992
15	CR	0.39	0/745	0.66	0/992
16	AS	0.38	0/721	0.67	0/970
16	CS	0.36	0/721	0.67	0/970

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	#|Z| >5	RMSZ	#|Z| >5
17	AT	0.38	0/847	0.67	0/1131
17	CT	0.37	0/847	0.68	0/1131
18	AU	0.40	0/590	0.68	0/782
18	CU	0.39	0/579	0.72	0/768
19	AV	0.37	0/670	0.68	0/901
19	CV	0.35	0/689	0.84	2/926 (0.2%)
20	AW	0.37	0/765	0.71	0/1007
20	CW	0.33	0/765	0.69	0/1007
21	AX	0.37	0/221	0.54	0/288
21	CX	0.36	0/221	0.63	0/288
22	AC	0.54	2/1832 (0.1%)	0.92	7/2855 (0.2%)
22	AD	0.48	2/1832 (0.1%)	0.91	6/2855 (0.2%)
22	CB	0.49	2/1547 (0.1%)	0.94	5/2411 (0.2%)
22	CC	0.58	2/1832 (0.1%)	0.94	6/2855 (0.2%)
22	CD	0.45	2/1832 (0.1%)	0.87	5/2855 (0.2%)
23	A1	0.50	0/567	0.88	0/884
23	C1	0.46	0/567	0.83	2/884 (0.2%)
24	BA	0.59	15/69594 (0.0%)	0.89	199/108647 (0.2%)
24	DA	0.64	12/69611 (0.0%)	0.93	232/108670 (0.2%)
25	BB	0.46	3/2877 (0.1%)	0.79	3/4488 (0.1%)
25	DB	0.56	3/2878 (0.1%)	0.84	6/4490 (0.1%)
26	BD	0.48	0/2165	0.82	1/2919 (0.0%)
26	DD	0.61	2/2165 (0.1%)	0.89	3/2919 (0.1%)
27	BE	0.44	0/1601	0.81	2/2160 (0.1%)
27	DE	0.52	0/1601	0.91	2/2160 (0.1%)
28	BF	0.43	0/1662	0.76	0/2249
28	DF	0.49	0/1620	0.76	0/2194
29	BG	0.36	0/1499	0.64	0/2016
29	DG	0.39	0/1499	0.66	0/2016
30	BH	0.35	0/1332	0.75	1/1802 (0.1%)
30	DH	0.45	0/1332	0.85	4/1802 (0.2%)
31	BK	0.35	0/1151	0.77	0/1558
31	DK	0.41	0/1151	0.81	1/1558 (0.1%)
32	BM	0.39	0/1131	0.70	0/1525
32	DM	0.45	0/1131	0.77	1/1525 (0.1%)
33	BN	0.47	0/943	0.76	1/1269 (0.1%)
33	DN	0.53	0/943	0.71	0/1269
34	BO	0.44	0/1162	0.85	1/1544 (0.1%)
34	DO	0.49	0/1162	0.94	3/1544 (0.2%)
35	BP	0.41	0/1143	0.70	0/1527
35	DP	0.53	0/1143	0.89	3/1527 (0.2%)
36	B0	0.43	0/974	0.71	0/1302
36	D0	0.44	0/982	0.80	1/1312 (0.1%)

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	#|Z| >5	RMSZ	#|Z| >5
37	BQ	0.36	0/892	0.67	0/1187
37	DQ	0.45	0/892	0.82	1/1187 (0.1%)
38	BR	0.43	0/1155	0.73	0/1542
38	DR	0.46	0/1155	0.73	2/1542 (0.1%)
39	B1	0.41	0/982	0.70	0/1306
39	D1	0.48	0/982	0.77	0/1306
40	B2	0.45	0/790	0.83	1/1057 (0.1%)
40	D2	0.46	0/790	0.82	0/1057
41	BS	0.47	0/911	0.71	0/1220
41	DS	0.45	0/911	0.75	0/1220
42	BT	0.49	0/739	0.71	0/993
42	DT	0.56	0/739	0.77	0/993
43	BU	0.50	0/798	0.85	1/1064 (0.1%)
43	DU	0.52	0/798	0.80	0/1064
44	BV	0.39	0/1435	0.77	1/1947 (0.1%)
44	DV	0.47	0/1408	0.77	1/1908 (0.1%)
45	B3	0.44	0/637	0.74	1/848 (0.1%)
45	D3	0.44	0/619	0.78	0/825
46	BZ	0.44	0/770	0.78	0/1022
46	DZ	0.49	0/770	0.85	1/1022 (0.1%)
47	BW	0.45	0/583	0.75	0/771
47	DW	0.50	0/583	0.83	1/771 (0.1%)
48	BX	0.37	0/474	0.68	0/635
48	DX	0.43	0/474	0.71	0/635
49	B4	0.43	0/594	0.81	0/795
49	D4	0.38	0/594	0.78	1/795 (0.1%)
50	B5	0.41	0/473	0.70	0/639
50	D5	0.51	0/473	0.74	0/639
51	B6	0.37	0/424	0.82	0/565
51	D6	0.42	0/431	0.76	0/575
52	B7	0.48	0/438	0.72	0/575
52	D7	0.56	0/438	0.76	0/575
53	B8	0.50	0/525	0.95	2/691 (0.3%)
53	D8	0.62	0/525	0.93	1/691 (0.1%)
All	All	0.53	56/321675 (0.0%)	0.84	643/481462 (0.1%)

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

Mol	Chain	#Chirality outliers	#Planarity outliers
1	AA	0	54

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Mol	Chain	#Chirality outliers	#Planarity outliers
1	CA	0	53
22	AC	0	2
22	AD	0	2
22	CD	0	1
23	A1	0	3
23	C1	0	3
24	BA	0	136
24	DA	0	153
25	BB	0	4
25	DB	0	5
All	All	0	416

The worst 5 of 56 bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
24	BA	654(R)	C	N1-C2	28.46	1.68	1.40
24	BA	654(R)	C	O5'-C5'	21.81	1.79	1.44
24	BA	654(R)	C	N3-C4	16.66	1.45	1.33
24	BA	654(R)	C	C2-N3	16.59	1.49	1.35
24	BA	654(R)	C	N1-C6	16.36	1.47	1.37

The worst 5 of 643 bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
24	BA	945	A	C1'-O4'-C4'	-24.45	90.34	109.90
24	DA	1379	A	C1'-O4'-C4'	-24.15	90.58	109.90
24	DA	945	A	C1'-O4'-C4'	-23.55	91.06	109.90
24	DA	2286	A	C1'-O4'-C4'	-20.78	93.27	109.90
12	CO	47	LYS	C-N-CD	-20.50	75.50	120.60

There are no chirality outliers.

5 of 416 planarity outliers are listed below:

Mol	Chain	Res	Type	Group
1	AA	30	U	Sidechain
1	AA	47	C	Sidechain
1	AA	49	U	Sidechain
1	AA	51	A	Sidechain
1	AA	82	U	Sidechain

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	AA	32600	0	16446	1807	2
1	CA	32554	0	16428	1770	14
2	AE	1915	0	1969	380	0
2	CE	1924	0	1975	293	0
3	AF	1612	0	1677	307	0
3	CF	1605	0	1668	219	0
4	AG	1703	0	1764	262	0
4	CG	1703	0	1763	241	0
5	AH	1178	0	1233	148	0
5	CH	1155	0	1213	135	0
6	AI	843	0	857	109	0
6	CI	843	0	857	101	0
7	AJ	1257	0	1296	178	0
7	CJ	1257	0	1296	156	0
8	AK	1116	0	1177	151	0
8	CK	1116	0	1177	151	0
9	AL	1018	0	1049	212	0
9	CL	1010	0	1037	161	0
10	AM	801	0	849	152	0
10	CM	801	0	849	149	0
11	AN	901	0	926	123	0
11	CN	885	0	904	108	0
12	AO	975	0	1062	135	0
12	CO	975	0	1062	111	0
13	AP	937	0	995	203	0
13	CP	964	0	1034	154	0
14	AQ	492	0	529	69	0
14	CQ	492	0	529	95	0
15	AR	734	0	771	102	0
15	CR	734	0	771	79	0
16	AS	705	0	725	75	0
16	CS	705	0	725	130	0
17	AT	834	0	904	64	0
17	CT	834	0	904	84	0
18	AU	585	0	657	99	0
18	CU	574	0	644	73	0
19	AV	656	0	678	168	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
19	CV	674	0	699	141	0
20	AW	763	0	861	84	0
20	CW	763	0	861	117	0
21	AX	217	0	234	35	0
21	CX	217	0	234	33	0
22	AC	1640	0	836	72	0
22	AD	1640	0	836	121	0
22	CB	1385	0	704	64	0
22	CC	1640	0	836	41	0
22	CD	1640	0	834	93	0
23	A1	502	0	253	40	0
23	C1	502	0	253	38	0
24	BA	62134	0	31302	3009	2
24	DA	62151	0	31309	2760	0
25	BB	2572	0	1305	184	0
25	DB	2573	0	1305	137	0
26	BD	2115	0	2195	297	0
26	DD	2115	0	2195	344	0
27	BE	1568	0	1634	286	0
27	DE	1568	0	1634	286	0
28	BF	1627	0	1680	255	0
28	DF	1585	0	1632	189	0
29	BG	1474	0	1535	262	0
29	DG	1474	0	1535	209	0
30	BH	1307	0	1382	320	14
30	DH	1307	0	1382	232	0
31	BK	1136	0	1223	201	0
31	DK	1136	0	1223	206	0
32	BM	1104	0	1180	135	0
32	DM	1104	0	1180	200	0
33	BN	933	0	996	114	0
33	DN	933	0	996	128	0
34	BO	1145	0	1228	260	0
34	DO	1145	0	1228	262	0
35	BP	1122	0	1179	237	0
35	DP	1122	0	1179	153	0
36	B0	960	0	1021	123	0
36	D0	968	0	1033	117	0
37	BQ	882	0	943	162	0
37	DQ	882	0	943	167	0
38	BR	1141	0	1202	154	0
38	DR	1141	0	1202	160	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
39	B1	964	0	1022	163	0
39	D1	964	0	1022	131	0
40	B2	779	0	852	198	0
40	D2	779	0	851	136	0
41	BS	900	0	964	112	0
41	DS	900	0	964	105	0
42	BT	725	0	778	88	0
42	DT	725	0	778	75	0
43	BU	785	0	878	209	0
43	DU	785	0	878	162	0
44	BV	1404	0	1437	309	0
44	DV	1378	0	1407	234	0
45	B3	629	0	650	73	0
45	D3	611	0	631	61	0
46	BZ	763	0	848	104	0
46	DZ	763	0	848	141	0
47	BW	581	0	629	107	0
47	DW	581	0	629	85	0
48	BX	469	0	518	40	0
48	DX	469	0	518	43	0
49	B4	581	0	573	167	0
49	D4	581	0	574	164	0
50	B5	459	0	480	51	0
50	D5	459	0	480	79	0
51	B6	417	0	441	91	0
51	D6	424	0	450	99	0
52	B7	430	0	480	57	0
52	D7	430	0	480	50	0
53	B8	517	0	582	138	0
53	D8	517	0	582	112	0
54	A1	1	0	0	0	0
54	AA	440	0	0	0	0
54	AC	8	0	0	0	0
54	AD	3	0	0	0	0
54	AH	2	0	0	0	0
54	AI	1	0	0	0	0
54	AJ	1	0	0	0	0
54	AK	1	0	0	0	0
54	AL	2	0	0	0	0
54	AO	1	0	0	0	0
54	AP	1	0	0	0	0
54	AQ	1	0	0	0	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
54	AS	2	0	0	0	0
54	AT	2	0	0	0	0
54	AW	4	0	0	0	0
54	AX	1	0	0	0	0
54	B0	2	0	0	0	0
54	B1	1	0	0	0	0
54	B3	2	0	0	0	0
54	B4	1	0	0	0	0
54	B5	1	0	0	0	0
54	B6	1	0	0	0	0
54	B8	1	0	0	0	0
54	BA	683	0	0	0	0
54	BB	26	0	0	0	0
54	BD	2	0	0	0	0
54	BE	7	0	0	0	0
54	BF	2	0	0	0	0
54	BG	1	0	0	0	0
54	BH	1	0	0	0	0
54	BK	1	0	0	0	0
54	BO	1	0	0	0	0
54	BQ	1	0	0	0	0
54	BR	2	0	0	0	0
54	BT	2	0	0	0	0
54	BU	5	0	0	0	0
54	BW	1	0	0	0	0
54	BZ	1	0	0	0	0
54	C1	1	0	0	0	0
54	CA	384	0	0	0	0
54	CC	13	0	0	0	0
54	CD	26	0	0	0	0
54	CG	1	0	0	0	0
54	CH	2	0	0	0	0
54	CK	2	0	0	0	0
54	CL	1	0	0	0	0
54	CM	1	0	0	0	0
54	CP	4	0	0	0	0
54	CQ	3	0	0	0	0
54	CR	1	0	0	0	0
54	CS	2	0	0	0	0
54	CT	1	0	0	0	0
54	CW	5	0	0	0	0
54	CX	2	0	0	0	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
54	D0	5	0	0	0	0
54	D1	6	0	0	0	0
54	D2	1	0	0	0	0
54	D3	4	0	0	0	0
54	D5	1	0	0	0	0
54	D6	2	0	0	0	0
54	D7	1	0	0	0	0
54	DA	905	0	0	0	0
54	DB	29	0	0	0	0
54	DD	3	0	0	0	0
54	DE	3	0	0	0	0
54	DF	1	0	0	0	0
54	DG	3	0	0	0	0
54	DH	4	0	0	0	0
54	DO	5	0	0	0	0
54	DR	2	0	0	0	0
54	DS	1	0	0	0	0
54	DT	2	0	0	0	0
54	DU	6	0	0	0	0
54	DW	2	0	0	0	0
54	DZ	2	0	0	0	0
55	AA	2	0	0	0	0
55	AG	1	0	0	0	0
55	AQ	1	0	0	0	0
55	CG	1	0	0	0	0
55	CQ	1	0	0	0	0
All	All	298428	0	200046	22780	16

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 46.

The worst 5 of 22780 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)
30:DH:127:GLU:CG	30:DH:128:PRO:HD3	1.36	1.52
24:BA:654(R):C:C2	24:BA:654(R):C:C5'	1.96	1.45
24:DA:1378:A:O2'	24:DA:1379:A:C5'	1.64	1.44
49:B4:12:ALA:CB	49:B4:23:GLU:O	1.68	1.41
24:BA:654(R):C:C5'	24:BA:654(R):C:C4	2.07	1.38

The worst 5 of 16 symmetry-related close contacts are listed below. The label for Atom-2 includes

the symmetry operator and encoded unit-cell translations to be applied.

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
30:BH:125:VAL:CG2	1:CA:84:U:N1[3_545]	1.00	1.20
30:BH:126:PRO:CG	1:CA:84:U:O5'[3_545]	1.57	0.63
30:BH:126:PRO:CG	1:CA:84:U:P[3_545]	1.60	0.60
30:BH:126:PRO:CG	1:CA:84:U:C5'[3_545]	1.66	0.54
30:BH:126:PRO:CG	1:CA:82:U:O3'[3_545]	1.70	0.50

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	
2	AE	234/256 (91%)	128 (55%)	55 (24%)	51 (22%)	0	1
2	CE	235/256 (92%)	153 (65%)	52 (22%)	30 (13%)	0	4
3	AF	204/239 (85%)	119 (58%)	49 (24%)	36 (18%)	0	2
3	CF	203/239 (85%)	128 (63%)	56 (28%)	19 (9%)	0	8
4	AG	206/209 (99%)	117 (57%)	56 (27%)	33 (16%)	0	2
4	CG	206/209 (99%)	133 (65%)	51 (25%)	22 (11%)	0	6
5	AH	152/162 (94%)	103 (68%)	34 (22%)	15 (10%)	0	7
5	CH	149/162 (92%)	103 (69%)	31 (21%)	15 (10%)	0	7
6	AI	99/101 (98%)	71 (72%)	21 (21%)	7 (7%)	1	12
6	CI	99/101 (98%)	66 (67%)	24 (24%)	9 (9%)	1	8
7	AJ	153/156 (98%)	95 (62%)	42 (28%)	16 (10%)	0	7
7	CJ	153/156 (98%)	102 (67%)	36 (24%)	15 (10%)	0	7
8	AK	136/138 (99%)	98 (72%)	29 (21%)	9 (7%)	1	13
8	CK	136/138 (99%)	92 (68%)	29 (21%)	15 (11%)	0	6
9	AL	126/128 (98%)	71 (56%)	36 (29%)	19 (15%)	0	3
9	CL	125/128 (98%)	77 (62%)	32 (26%)	16 (13%)	0	4
10	AM	97/105 (92%)	67 (69%)	20 (21%)	10 (10%)	0	7

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles
10	CM	97/105 (92%)	68 (70%)	19 (20%)	10 (10%)	0 7
11	AN	119/129 (92%)	76 (64%)	29 (24%)	14 (12%)	0 5
11	CN	117/129 (91%)	87 (74%)	21 (18%)	9 (8%)	1 10
12	AO	123/132 (93%)	80 (65%)	22 (18%)	21 (17%)	0 2
12	CO	123/132 (93%)	85 (69%)	24 (20%)	14 (11%)	0 6
13	AP	116/126 (92%)	62 (53%)	23 (20%)	31 (27%)	0 0
13	CP	119/126 (94%)	71 (60%)	27 (23%)	21 (18%)	0 2
14	AQ	58/61 (95%)	37 (64%)	15 (26%)	6 (10%)	0 7
14	CQ	58/61 (95%)	33 (57%)	15 (26%)	10 (17%)	0 2
15	AR	86/89 (97%)	55 (64%)	27 (31%)	4 (5%)	2 20
15	CR	86/89 (97%)	61 (71%)	19 (22%)	6 (7%)	1 12
16	AS	82/88 (93%)	57 (70%)	16 (20%)	9 (11%)	0 6
16	CS	82/88 (93%)	48 (58%)	23 (28%)	11 (13%)	0 4
17	AT	98/105 (93%)	75 (76%)	17 (17%)	6 (6%)	1 15
17	CT	98/105 (93%)	75 (76%)	15 (15%)	8 (8%)	1 9
18	AU	69/88 (78%)	42 (61%)	21 (30%)	6 (9%)	1 9
18	CU	68/88 (77%)	46 (68%)	14 (21%)	8 (12%)	0 5
19	AV	80/93 (86%)	43 (54%)	20 (25%)	17 (21%)	0 1
19	CV	82/93 (88%)	46 (56%)	18 (22%)	18 (22%)	0 1
20	AW	97/106 (92%)	54 (56%)	26 (27%)	17 (18%)	0 2
20	CW	97/106 (92%)	63 (65%)	16 (16%)	18 (19%)	0 2
21	AX	23/27 (85%)	15 (65%)	7 (30%)	1 (4%)	2 22
21	CX	23/27 (85%)	15 (65%)	4 (17%)	4 (17%)	0 2
26	BD	270/276 (98%)	193 (72%)	46 (17%)	31 (12%)	0 6
26	DD	270/276 (98%)	204 (76%)	46 (17%)	20 (7%)	1 11
27	BE	203/206 (98%)	114 (56%)	46 (23%)	43 (21%)	0 1
27	DE	203/206 (98%)	120 (59%)	41 (20%)	42 (21%)	0 1
28	BF	206/210 (98%)	137 (66%)	45 (22%)	24 (12%)	0 5
28	DF	200/210 (95%)	144 (72%)	36 (18%)	20 (10%)	0 7
29	BG	179/182 (98%)	114 (64%)	39 (22%)	26 (14%)	0 3
29	DG	179/182 (98%)	120 (67%)	38 (21%)	21 (12%)	0 5

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles
30	BH	168/180 (93%)	60 (36%)	54 (32%)	54 (32%)	0 0
30	DH	168/180 (93%)	94 (56%)	36 (21%)	38 (23%)	0 1
31	BK	144/148 (97%)	77 (54%)	45 (31%)	22 (15%)	0 3
31	DK	144/148 (97%)	80 (56%)	36 (25%)	28 (19%)	0 2
32	BM	136/140 (97%)	88 (65%)	29 (21%)	19 (14%)	0 3
32	DM	136/140 (97%)	84 (62%)	30 (22%)	22 (16%)	0 2
33	BN	120/122 (98%)	96 (80%)	17 (14%)	7 (6%)	1 16
33	DN	120/122 (98%)	90 (75%)	21 (18%)	9 (8%)	1 11
34	BO	148/150 (99%)	80 (54%)	32 (22%)	36 (24%)	0 0
34	DO	148/150 (99%)	97 (66%)	19 (13%)	32 (22%)	0 1
35	BP	139/141 (99%)	96 (69%)	24 (17%)	19 (14%)	0 4
35	DP	139/141 (99%)	94 (68%)	30 (22%)	15 (11%)	0 6
36	B0	115/118 (98%)	73 (64%)	31 (27%)	11 (10%)	0 8
36	D0	116/118 (98%)	82 (71%)	20 (17%)	14 (12%)	0 5
37	BQ	109/112 (97%)	58 (53%)	32 (29%)	19 (17%)	0 2
37	DQ	109/112 (97%)	62 (57%)	28 (26%)	19 (17%)	0 2
38	BR	135/146 (92%)	94 (70%)	31 (23%)	10 (7%)	1 11
38	DR	135/146 (92%)	83 (62%)	32 (24%)	20 (15%)	0 3
39	B1	115/118 (98%)	81 (70%)	22 (19%)	12 (10%)	0 7
39	D1	115/118 (98%)	87 (76%)	19 (16%)	9 (8%)	1 10
40	B2	99/101 (98%)	67 (68%)	12 (12%)	20 (20%)	0 1
40	D2	99/101 (98%)	73 (74%)	16 (16%)	10 (10%)	0 7
41	BS	111/113 (98%)	79 (71%)	20 (18%)	12 (11%)	0 6
41	DS	111/113 (98%)	75 (68%)	22 (20%)	14 (13%)	0 5
42	BT	90/96 (94%)	63 (70%)	18 (20%)	9 (10%)	0 7
42	DT	90/96 (94%)	77 (86%)	8 (9%)	5 (6%)	2 17
43	BU	100/110 (91%)	37 (37%)	29 (29%)	34 (34%)	0 0
43	DU	100/110 (91%)	57 (57%)	17 (17%)	26 (26%)	0 0
44	BV	174/206 (84%)	85 (49%)	43 (25%)	46 (26%)	0 0
44	DV	170/206 (82%)	91 (54%)	40 (24%)	39 (23%)	0 1
45	B3	78/85 (92%)	54 (69%)	13 (17%)	11 (14%)	0 3

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles
45	D3	75/85 (88%)	56 (75%)	13 (17%)	6 (8%)	1 10
46	BZ	95/98 (97%)	66 (70%)	17 (18%)	12 (13%)	0 5
46	DZ	95/98 (97%)	64 (67%)	20 (21%)	11 (12%)	0 5
47	BW	67/72 (93%)	43 (64%)	12 (18%)	12 (18%)	0 2
47	DW	67/72 (93%)	46 (69%)	12 (18%)	9 (13%)	0 4
48	BX	57/60 (95%)	51 (90%)	4 (7%)	2 (4%)	3 27
48	DX	57/60 (95%)	45 (79%)	9 (16%)	3 (5%)	2 17
49	B4	69/71 (97%)	33 (48%)	10 (14%)	26 (38%)	0 0
49	D4	69/71 (97%)	23 (33%)	20 (29%)	26 (38%)	0 0
50	B5	57/60 (95%)	37 (65%)	14 (25%)	6 (10%)	0 7
50	D5	57/60 (95%)	33 (58%)	9 (16%)	15 (26%)	0 0
51	B6	46/54 (85%)	9 (20%)	11 (24%)	26 (56%)	0 0
51	D6	47/54 (87%)	15 (32%)	18 (38%)	14 (30%)	0 0
52	B7	47/49 (96%)	36 (77%)	9 (19%)	2 (4%)	2 22
52	D7	47/49 (96%)	37 (79%)	7 (15%)	3 (6%)	1 14
53	B8	62/65 (95%)	37 (60%)	14 (23%)	11 (18%)	0 2
53	D8	62/65 (95%)	36 (58%)	15 (24%)	11 (18%)	0 2
All	All	11381/12054 (94%)	7244 (64%)	2468 (22%)	1669 (15%)	0 3

5 of 1669 Ramachandran outliers are listed below:

Mol	Chain	Res	Type
2	AE	8	LYS
2	AE	17	PHE
2	AE	20	GLU
2	AE	23	ARG
2	AE	29	ALA

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
2	AE	204/220 (93%)	169 (83%)	35 (17%)	2 11
2	CE	205/220 (93%)	181 (88%)	24 (12%)	5 26
3	AF	160/188 (85%)	141 (88%)	19 (12%)	5 25
3	CF	159/188 (85%)	145 (91%)	14 (9%)	10 38
4	AG	180/181 (99%)	152 (84%)	28 (16%)	2 16
4	CG	180/181 (99%)	163 (91%)	17 (9%)	8 35
5	AH	119/123 (97%)	102 (86%)	17 (14%)	3 19
5	CH	116/123 (94%)	106 (91%)	10 (9%)	10 38
6	AI	90/90 (100%)	80 (89%)	10 (11%)	6 28
6	CI	90/90 (100%)	76 (84%)	14 (16%)	2 16
7	AJ	126/127 (99%)	114 (90%)	12 (10%)	8 34
7	CJ	126/127 (99%)	115 (91%)	11 (9%)	10 38
8	AK	119/119 (100%)	112 (94%)	7 (6%)	19 53
8	CK	119/119 (100%)	106 (89%)	13 (11%)	6 29
9	AL	99/99 (100%)	80 (81%)	19 (19%)	1 7
9	CL	98/99 (99%)	87 (89%)	11 (11%)	6 27
10	AM	89/92 (97%)	80 (90%)	9 (10%)	7 32
10	CM	89/92 (97%)	81 (91%)	8 (9%)	9 37
11	AN	92/99 (93%)	83 (90%)	9 (10%)	8 33
11	CN	90/99 (91%)	81 (90%)	9 (10%)	7 32
12	AO	104/109 (95%)	92 (88%)	12 (12%)	5 26
12	CO	104/109 (95%)	90 (86%)	14 (14%)	4 21
13	AP	94/101 (93%)	75 (80%)	19 (20%)	1 6
13	CP	97/101 (96%)	81 (84%)	16 (16%)	2 13
14	AQ	49/50 (98%)	44 (90%)	5 (10%)	7 32
14	CQ	49/50 (98%)	42 (86%)	7 (14%)	3 19
15	AR	79/80 (99%)	74 (94%)	5 (6%)	18 51
15	CR	79/80 (99%)	73 (92%)	6 (8%)	13 43
16	AS	72/74 (97%)	63 (88%)	9 (12%)	4 23
16	CS	72/74 (97%)	63 (88%)	9 (12%)	4 23
17	AT	95/97 (98%)	87 (92%)	8 (8%)	11 40
17	CT	95/97 (98%)	89 (94%)	6 (6%)	18 51

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles
18	AU	62/77 (80%)	53 (86%)	9 (14%)	3 18
18	CU	61/77 (79%)	55 (90%)	6 (10%)	8 33
19	AV	71/80 (89%)	63 (89%)	8 (11%)	6 27
19	CV	73/80 (91%)	61 (84%)	12 (16%)	2 13
20	AW	76/82 (93%)	65 (86%)	11 (14%)	3 18
20	CW	76/82 (93%)	67 (88%)	9 (12%)	5 25
21	AX	20/22 (91%)	18 (90%)	2 (10%)	7 32
21	CX	20/22 (91%)	19 (95%)	1 (5%)	24 58
26	BD	214/218 (98%)	183 (86%)	31 (14%)	3 18
26	DD	214/218 (98%)	176 (82%)	38 (18%)	2 10
27	BE	165/166 (99%)	137 (83%)	28 (17%)	2 12
27	DE	165/166 (99%)	127 (77%)	38 (23%)	1 4
28	BF	165/166 (99%)	142 (86%)	23 (14%)	3 20
28	DF	161/166 (97%)	139 (86%)	22 (14%)	3 20
29	BG	155/156 (99%)	139 (90%)	16 (10%)	7 32
29	DG	155/156 (99%)	130 (84%)	25 (16%)	2 14
30	BH	142/148 (96%)	111 (78%)	31 (22%)	1 5
30	DH	142/148 (96%)	115 (81%)	27 (19%)	1 8
31	BK	122/124 (98%)	105 (86%)	17 (14%)	3 20
31	DK	122/124 (98%)	95 (78%)	27 (22%)	1 5
32	BM	117/119 (98%)	101 (86%)	16 (14%)	3 20
32	DM	117/119 (98%)	97 (83%)	20 (17%)	2 12
33	BN	100/100 (100%)	88 (88%)	12 (12%)	5 24
33	DN	100/100 (100%)	90 (90%)	10 (10%)	7 32
34	BO	116/116 (100%)	86 (74%)	30 (26%)	0 3
34	DO	116/116 (100%)	89 (77%)	27 (23%)	1 4
35	BP	111/111 (100%)	92 (83%)	19 (17%)	2 12
35	DP	111/111 (100%)	92 (83%)	19 (17%)	2 12
36	B0	100/101 (99%)	87 (87%)	13 (13%)	4 21
36	D0	101/101 (100%)	83 (82%)	18 (18%)	2 10
37	BQ	87/88 (99%)	74 (85%)	13 (15%)	3 17

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles
37	DQ	87/88 (99%)	74 (85%)	13 (15%)	3 17
38	BR	120/127 (94%)	99 (82%)	21 (18%)	2 10
38	DR	120/127 (94%)	96 (80%)	24 (20%)	1 7
39	B1	93/94 (99%)	82 (88%)	11 (12%)	5 25
39	D1	93/94 (99%)	79 (85%)	14 (15%)	3 17
40	B2	82/82 (100%)	67 (82%)	15 (18%)	1 8
40	D2	82/82 (100%)	70 (85%)	12 (15%)	3 18
41	BS	92/92 (100%)	76 (83%)	16 (17%)	2 11
41	DS	92/92 (100%)	77 (84%)	15 (16%)	2 13
42	BT	74/78 (95%)	61 (82%)	13 (18%)	2 10
42	DT	74/78 (95%)	62 (84%)	12 (16%)	2 14
43	BU	85/91 (93%)	61 (72%)	24 (28%)	0 3
43	DU	85/91 (93%)	70 (82%)	15 (18%)	2 10
44	BV	155/179 (87%)	120 (77%)	35 (23%)	1 4
44	DV	152/179 (85%)	124 (82%)	28 (18%)	1 8
45	B3	63/67 (94%)	55 (87%)	8 (13%)	4 22
45	D3	62/67 (92%)	54 (87%)	8 (13%)	4 22
46	BZ	82/83 (99%)	69 (84%)	13 (16%)	2 14
46	DZ	82/83 (99%)	67 (82%)	15 (18%)	1 8
47	BW	64/67 (96%)	57 (89%)	7 (11%)	6 29
47	DW	64/67 (96%)	57 (89%)	7 (11%)	6 29
48	BX	51/52 (98%)	43 (84%)	8 (16%)	2 15
48	DX	51/52 (98%)	40 (78%)	11 (22%)	1 5
49	B4	63/63 (100%)	43 (68%)	20 (32%)	0 2
49	D4	63/63 (100%)	44 (70%)	19 (30%)	0 2
50	B5	51/52 (98%)	46 (90%)	5 (10%)	8 33
50	D5	51/52 (98%)	40 (78%)	11 (22%)	1 5
51	B6	47/52 (90%)	30 (64%)	17 (36%)	0 1
51	D6	48/52 (92%)	38 (79%)	10 (21%)	1 6
52	B7	42/42 (100%)	33 (79%)	9 (21%)	1 5
52	D7	42/42 (100%)	38 (90%)	4 (10%)	8 34

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles
53	B8	54/55 (98%)	43 (80%)	11 (20%)	1 6
53	D8	54/55 (98%)	39 (72%)	15 (28%)	0 3
All	All	9616/9998 (96%)	8160 (85%)	1456 (15%)	3 17

5 of 1456 residues with a non-rotameric sidechain are listed below:

Mol	Chain	Res	Type
18	CU	32	ARG
32	DM	127	ASP
26	DD	17	THR
18	CU	29	PHE
28	DF	108	LYS

Sometimes sidechains can be flipped to improve hydrogen bonding and reduce clashes. 5 of 298 such sidechains are listed below:

Mol	Chain	Res	Type
31	DK	11	ASN
47	DW	9	GLN
32	DM	69	GLN
38	DR	58	ASN
35	BP	13	GLN

5.3.3 RNA

Mol	Chain	Analysed	Backbone Outliers	Pucker Outliers
1	AA	1516/1517 (99%)	341 (22%)	139 (9%)
1	CA	1514/1517 (99%)	316 (20%)	133 (8%)
22	AC	77/77 (100%)	15 (19%)	5 (6%)
22	AD	76/77 (98%)	28 (36%)	6 (7%)
22	CB	64/77 (83%)	15 (23%)	3 (4%)
22	CC	76/77 (98%)	15 (19%)	8 (10%)
22	CD	76/77 (98%)	11 (14%)	1 (1%)
23	A1	22/25 (88%)	10 (45%)	3 (13%)
23	C1	22/25 (88%)	9 (40%)	5 (22%)
24	BA	2884/2898 (99%)	762 (26%)	325 (11%)
24	DA	2884/2898 (99%)	776 (26%)	354 (12%)
25	BB	119/122 (97%)	25 (21%)	3 (2%)
25	DB	119/122 (97%)	21 (17%)	6 (5%)
All	All	9449/9509 (99%)	2344 (24%)	991 (10%)

5 of 2344 RNA backbone outliers are listed below:

Mol	Chain	Res	Type
1	AA	4	U
1	AA	5	U
1	AA	6	G
1	AA	8	A
1	AA	9	G

5 of 991 RNA pucker outliers are listed below:

Mol	Chain	Res	Type
24	BA	2713	A
24	DA	1962	C
1	CA	975	A
24	DA	1936	A
24	DA	2497	A

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

There are no non-standard protein/DNA/RNA residues in this entry.

5.5 Carbohydrates (i)

There are no monosaccharides in this entry.

5.6 Ligand geometry (i)

Of 2659 ligands modelled in this entry, 2659 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	AA	1517/1517 (100%)	-0.79	4 (0%) 94 91	66, 113, 195, 251	0
1	CA	1515/1517 (99%)	-0.77	10 (0%) 87 83	47, 111, 193, 247	0
2	AE	236/256 (92%)	0.94	44 (18%) 1 1	111, 152, 183, 188	0
2	CE	237/256 (92%)	0.86	46 (19%) 1 1	108, 138, 175, 185	0
3	AF	206/239 (86%)	0.31	14 (6%) 17 16	116, 134, 171, 178	0
3	CF	205/239 (85%)	0.73	28 (13%) 3 4	98, 128, 150, 160	0
4	AG	208/209 (99%)	-0.49	1 (0%) 91 88	72, 106, 128, 137	0
4	CG	208/209 (99%)	-0.11	1 (0%) 91 88	95, 116, 136, 143	0
5	AH	154/162 (95%)	-0.35	3 (1%) 66 61	89, 109, 139, 163	0
5	CH	151/162 (93%)	0.08	4 (2%) 56 49	84, 105, 132, 157	0
6	AI	101/101 (100%)	0.07	1 (0%) 82 77	85, 106, 121, 138	0
6	CI	101/101 (100%)	0.07	1 (0%) 82 77	80, 109, 119, 139	0
7	AJ	155/156 (99%)	0.24	12 (7%) 13 13	105, 129, 150, 160	0
7	CJ	155/156 (99%)	-0.10	5 (3%) 47 42	98, 121, 141, 157	0
8	AK	138/138 (100%)	-0.77	0 100 100	91, 114, 126, 131	0
8	CK	138/138 (100%)	-0.39	1 (0%) 87 83	83, 109, 121, 123	0
9	AL	128/128 (100%)	-0.31	0 100 100	109, 150, 168, 173	0
9	CL	127/128 (99%)	-0.31	2 (1%) 72 66	98, 138, 160, 169	0
10	AM	99/105 (94%)	0.19	6 (6%) 21 19	118, 152, 168, 172	0
10	CM	99/105 (94%)	0.41	9 (9%) 9 9	111, 147, 168, 175	0
11	AN	121/129 (93%)	0.54	10 (8%) 11 12	88, 110, 140, 155	0
11	CN	119/129 (92%)	0.63	7 (5%) 22 20	79, 102, 128, 146	0
12	AO	125/132 (94%)	-0.24	1 (0%) 86 81	77, 96, 115, 148	0
12	CO	125/132 (94%)	0.06	1 (0%) 86 81	72, 90, 115, 150	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å^2)	Q<0.9
13	AP	118/126 (93%)	-0.23	3 (2%) 57 51	114, 146, 169, 172	0
13	CP	121/126 (96%)	-0.70	0 100 100	95, 132, 150, 153	0
14	AQ	60/61 (98%)	-0.40	0 100 100	119, 134, 148, 152	0
14	CQ	60/61 (98%)	-0.47	0 100 100	97, 116, 127, 129	0
15	AR	88/89 (98%)	-0.35	1 (1%) 80 75	80, 102, 125, 136	0
15	CR	88/89 (98%)	-0.66	0 100 100	77, 103, 122, 127	0
16	AS	84/88 (95%)	-0.93	0 100 100	86, 97, 118, 150	0
16	CS	84/88 (95%)	-0.91	0 100 100	95, 112, 140, 156	0
17	AT	100/105 (95%)	-0.66	1 (1%) 82 77	81, 104, 130, 155	0
17	CT	100/105 (95%)	-0.66	0 100 100	82, 109, 125, 144	0
18	AU	71/88 (80%)	0.21	8 (11%) 5 6	87, 107, 135, 141	0
18	CU	70/88 (79%)	0.68	8 (11%) 5 6	84, 107, 125, 125	0
19	AV	82/93 (88%)	-0.13	2 (2%) 59 53	130, 159, 169, 170	0
19	CV	84/93 (90%)	-0.48	0 100 100	118, 134, 149, 152	0
20	AW	99/106 (93%)	-0.70	0 100 100	88, 106, 149, 157	0
20	CW	99/106 (93%)	-0.87	0 100 100	96, 119, 148, 155	0
21	AX	25/27 (92%)	-0.43	0 100 100	143, 151, 161, 165	0
21	CX	25/27 (92%)	-0.94	0 100 100	101, 131, 147, 158	0
22	AC	77/77 (100%)	-0.47	0 100 100	76, 119, 153, 162	0
22	AD	77/77 (100%)	0.14	1 (1%) 77 71	111, 217, 236, 246	0
22	CB	65/77 (84%)	3.37	50 (76%) 0 0	133, 199, 226, 234	0
22	CC	77/77 (100%)	-0.60	0 100 100	68, 99, 133, 139	0
22	CD	77/77 (100%)	0.09	3 (3%) 39 35	105, 210, 222, 228	0
23	A1	23/25 (92%)	0.70	4 (17%) 1 1	101, 193, 235, 240	0
23	C1	23/25 (92%)	1.10	4 (17%) 1 1	87, 180, 239, 241	0
24	BA	2885/2898 (99%)	-0.69	20 (0%) 87 83	53, 90, 211, 243	0
24	DA	2886/2898 (99%)	-0.57	15 (0%) 91 88	35, 74, 192, 231	0
25	BB	120/122 (98%)	-0.72	0 100 100	103, 144, 169, 214	0
25	DB	120/122 (98%)	-0.72	0 100 100	77, 106, 126, 157	0
26	BD	272/276 (98%)	-0.11	1 (0%) 92 90	50, 78, 97, 112	0
26	DD	272/276 (98%)	-0.30	1 (0%) 92 90	44, 63, 84, 100	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å^2)	Q<0.9
27	BE	205/206 (99%)	-0.19	5 (2%) 59 53	60, 93, 138, 151	0
27	DE	205/206 (99%)	0.31	19 (9%) 8 9	48, 84, 123, 139	0
28	BF	208/210 (99%)	0.26	9 (4%) 35 31	62, 98, 158, 176	0
28	DF	202/210 (96%)	-0.41	2 (0%) 82 77	40, 74, 112, 125	0
29	BG	181/182 (99%)	0.75	29 (16%) 1 2	120, 144, 163, 175	0
29	DG	181/182 (99%)	-0.50	0 100 100	86, 109, 136, 146	0
30	BH	170/180 (94%)	0.69	34 (20%) 1 1	121, 169, 203, 209	0
30	DH	170/180 (94%)	-0.31	1 (0%) 89 86	75, 101, 123, 131	0
31	BK	146/148 (98%)	-0.02	2 (1%) 75 69	82, 122, 143, 151	0
31	DK	146/148 (98%)	-0.38	1 (0%) 87 83	68, 112, 127, 142	0
32	BM	138/140 (98%)	0.60	15 (10%) 5 6	80, 105, 124, 129	0
32	DM	138/140 (98%)	-0.12	3 (2%) 62 56	66, 84, 116, 123	0
33	BN	122/122 (100%)	0.09	1 (0%) 86 81	69, 86, 99, 105	0
33	DN	122/122 (100%)	0.12	1 (0%) 86 81	50, 77, 90, 95	0
34	BO	150/150 (100%)	0.72	21 (14%) 2 3	67, 106, 135, 158	0
34	DO	150/150 (100%)	0.08	5 (3%) 46 41	45, 88, 114, 138	0
35	BP	141/141 (100%)	0.98	26 (18%) 1 1	82, 105, 134, 178	0
35	DP	141/141 (100%)	-0.01	2 (1%) 75 69	62, 86, 107, 131	0
36	B0	117/118 (99%)	-0.75	0 100 100	54, 80, 102, 119	0
36	D0	118/118 (100%)	-0.22	0 100 100	54, 80, 98, 107	0
37	BQ	111/112 (99%)	0.22	7 (6%) 20 18	113, 132, 155, 167	0
37	DQ	111/112 (99%)	0.54	10 (9%) 9 10	82, 97, 130, 139	0
38	BR	137/146 (93%)	-0.58	2 (1%) 73 68	77, 93, 148, 177	0
38	DR	137/146 (93%)	-0.28	2 (1%) 73 68	71, 89, 136, 157	0
39	B1	117/118 (99%)	0.90	18 (15%) 2 2	68, 94, 135, 155	0
39	D1	117/118 (99%)	-0.48	2 (1%) 70 64	53, 69, 104, 130	0
40	B2	101/101 (100%)	2.09	46 (45%) 0 0	64, 118, 132, 136	0
40	D2	101/101 (100%)	0.05	4 (3%) 38 33	52, 97, 117, 126	0
41	BS	113/113 (100%)	-0.27	2 (1%) 68 62	67, 80, 101, 141	0
41	DS	113/113 (100%)	-0.13	3 (2%) 54 48	53, 70, 100, 142	0
42	BT	92/96 (95%)	-0.36	2 (2%) 62 56	73, 89, 111, 121	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å^2)	Q<0.9
42	DT	92/96 (95%)	-0.47	1 (1%) 80 75	54, 70, 91, 103	0
43	BU	102/110 (92%)	0.39	10 (9%) 7 8	79, 106, 161, 172	0
43	DU	102/110 (92%)	-0.42	3 (2%) 51 45	67, 93, 134, 144	0
44	BV	176/206 (85%)	0.99	26 (14%) 2 3	113, 142, 185, 190	0
44	DV	172/206 (83%)	0.92	24 (13%) 2 3	90, 126, 184, 190	0
45	B3	80/85 (94%)	0.87	6 (7%) 14 14	84, 99, 113, 119	0
45	D3	77/85 (90%)	0.16	3 (3%) 39 35	67, 81, 100, 115	0
46	BZ	97/98 (98%)	0.17	7 (7%) 15 15	67, 91, 149, 174	0
46	DZ	97/98 (98%)	-0.27	3 (3%) 49 43	48, 78, 141, 158	0
47	BW	69/72 (95%)	-0.28	1 (1%) 75 69	80, 105, 125, 140	0
47	DW	69/72 (95%)	-0.38	1 (1%) 75 69	60, 83, 105, 122	0
48	BX	59/60 (98%)	1.50	16 (27%) 0 0	83, 107, 129, 134	0
48	DX	59/60 (98%)	0.19	2 (3%) 45 40	64, 84, 110, 124	0
49	B4	71/71 (100%)	1.80	27 (38%) 0 0	164, 193, 208, 211	0
49	D4	71/71 (100%)	-0.25	0 100 100	128, 160, 185, 188	0
50	B5	59/60 (98%)	0.19	8 (13%) 3 4	56, 91, 168, 177	0
50	D5	59/60 (98%)	0.64	12 (20%) 1 1	46, 86, 186, 190	0
51	B6	48/54 (88%)	2.68	32 (66%) 0 0	138, 153, 169, 175	0
51	D6	49/54 (90%)	4.63	47 (95%) 0 0	132, 146, 156, 162	0
52	B7	49/49 (100%)	-0.21	1 (2%) 65 60	51, 68, 116, 148	0
52	D7	49/49 (100%)	-0.44	2 (4%) 37 33	40, 49, 109, 135	0
53	B8	64/65 (98%)	1.02	7 (10%) 5 6	77, 93, 114, 152	0
53	D8	64/65 (98%)	0.16	2 (3%) 49 43	53, 72, 100, 127	0
All	All	21035/21563 (97%)	-0.24	848 (4%) 38 33	35, 102, 179, 251	0

The worst 5 of 848 RSRZ outliers are listed below:

Mol	Chain	Res	Type	RSRZ
53	B8	65	GLU	14.5
24	BA	1176	G	12.2
41	DS	113	LYS	11.2
24	BA	2798	C	9.7
39	B1	118	GLY	9.6

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

There are no non-standard protein/DNA/RNA residues in this entry.

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
54	MG	DA	3589	1/1	-0.28	0.77	136,136,136,136	0
54	MG	BF	302	1/1	-0.23	0.42	117,117,117,117	0
54	MG	AA	1985	1/1	0.03	0.31	131,131,131,131	0
54	MG	AA	1971	1/1	0.06	0.27	123,123,123,123	0
54	MG	DA	3527	1/1	0.10	0.55	127,127,127,127	0
54	MG	DU	202	1/1	0.20	0.60	139,139,139,139	0
54	MG	BA	3572	1/1	0.21	0.32	106,106,106,106	0
54	MG	AA	1875	1/1	0.22	0.13	113,113,113,113	0
54	MG	BA	2912	1/1	0.24	0.17	138,138,138,138	0
54	MG	DA	3784	1/1	0.25	0.35	106,106,106,106	0
54	MG	BA	3582	1/1	0.25	0.19	133,133,133,133	0
54	MG	BA	3076	1/1	0.27	0.12	88,88,88,88	0
54	MG	DA	3611	1/1	0.28	0.54	112,112,112,112	0
54	MG	AA	1904	1/1	0.29	0.24	121,121,121,121	0
54	MG	BA	3378	1/1	0.29	0.26	129,129,129,129	0
54	MG	CA	1878	1/1	0.30	0.29	133,133,133,133	0
54	MG	AA	1956	1/1	0.30	0.24	118,118,118,118	0
54	MG	BA	3581	1/1	0.30	0.29	125,125,125,125	0
54	MG	BA	3550	1/1	0.31	0.21	102,102,102,102	0
54	MG	DA	3704	1/1	0.33	0.52	134,134,134,134	0
54	MG	BA	3459	1/1	0.34	0.24	110,110,110,110	0
54	MG	AA	1800	1/1	0.35	0.36	117,117,117,117	0
54	MG	DA	3754	1/1	0.35	0.57	99,99,99,99	0
54	MG	CA	1824	1/1	0.35	0.38	156,156,156,156	0
54	MG	AA	2014	1/1	0.35	0.53	175,175,175,175	0
54	MG	CA	1760	1/1	0.36	0.08	118,118,118,118	0
54	MG	BA	3394	1/1	0.37	0.13	121,121,121,121	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
54	MG	BA	3554	1/1	0.37	0.18	122,122,122,122	0
54	MG	AA	1840	1/1	0.38	0.54	132,132,132,132	0
54	MG	DA	3802	1/1	0.39	0.53	138,138,138,138	0
54	MG	DA	3579	1/1	0.40	0.38	94,94,94,94	0
54	MG	CA	1984	1/1	0.41	0.18	106,106,106,106	0
54	MG	CA	1852	1/1	0.41	0.33	111,111,111,111	0
54	MG	BA	3571	1/1	0.42	0.22	94,94,94,94	0
54	MG	AA	1955	1/1	0.42	0.29	103,103,103,103	0
54	MG	BR	201	1/1	0.42	0.15	103,103,103,103	0
54	MG	BA	3490	1/1	0.42	0.19	107,107,107,107	0
54	MG	DA	3673	1/1	0.42	0.32	94,94,94,94	0
54	MG	BH	201	1/1	0.43	0.64	193,193,193,193	0
54	MG	CA	1811	1/1	0.43	0.27	108,108,108,108	0
54	MG	AA	1850	1/1	0.44	0.44	112,112,112,112	0
54	MG	CG	301	1/1	0.44	0.53	113,113,113,113	0
54	MG	DA	3570	1/1	0.45	0.66	152,152,152,152	0
54	MG	BA	3297	1/1	0.46	0.24	131,131,131,131	0
54	MG	CA	1898	1/1	0.46	0.29	122,122,122,122	0
54	MG	AA	1882	1/1	0.46	0.30	134,134,134,134	0
54	MG	BA	3499	1/1	0.46	0.25	114,114,114,114	0
54	MG	BA	3154	1/1	0.46	0.25	117,117,117,117	0
54	MG	AA	1835	1/1	0.47	0.33	109,109,109,109	0
54	MG	BA	3205	1/1	0.47	0.20	92,92,92,92	0
54	MG	AD	103	1/1	0.49	0.14	101,101,101,101	0
54	MG	DA	3546	1/1	0.49	0.28	68,68,68,68	0
54	MG	DA	3800	1/1	0.50	0.21	86,86,86,86	0
54	MG	DA	3765	1/1	0.50	0.29	110,110,110,110	0
54	MG	AA	1833	1/1	0.50	0.23	88,88,88,88	0
54	MG	AA	1767	1/1	0.51	0.43	110,110,110,110	0
54	MG	DA	3793	1/1	0.52	0.14	108,108,108,108	0
54	MG	DA	3738	1/1	0.52	0.14	114,114,114,114	0
54	MG	DA	3781	1/1	0.52	0.23	97,97,97,97	0
54	MG	DA	3652	1/1	0.52	0.23	83,83,83,83	0
54	MG	BA	3518	1/1	0.53	0.34	134,134,134,134	0
54	MG	DA	3109	1/1	0.53	0.60	103,103,103,103	0
54	MG	CA	1923	1/1	0.53	0.15	104,104,104,104	0
54	MG	CA	1840	1/1	0.53	0.25	113,113,113,113	0
54	MG	DA	3783	1/1	0.54	0.27	84,84,84,84	0
54	MG	CA	1862	1/1	0.54	0.27	112,112,112,112	0
54	MG	AA	1929	1/1	0.54	0.21	124,124,124,124	0
54	MG	BA	3574	1/1	0.54	0.12	86,86,86,86	0
54	MG	BA	3419	1/1	0.54	0.08	101,101,101,101	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
54	MG	AA	2012	1/1	0.54	0.20	117,117,117,117	0
54	MG	BA	3242	1/1	0.55	0.18	82,82,82,82	0
54	MG	BA	3437	1/1	0.55	0.18	88,88,88,88	0
54	MG	BA	3201	1/1	0.55	0.27	97,97,97,97	0
54	MG	CC	112	1/1	0.55	0.15	88,88,88,88	0
54	MG	CD	107	1/1	0.55	0.25	122,122,122,122	0
54	MG	CA	1813	1/1	0.55	0.16	127,127,127,127	0
54	MG	DA	3694	1/1	0.55	0.36	110,110,110,110	0
54	MG	BA	3483	1/1	0.55	0.21	103,103,103,103	0
54	MG	CA	1903	1/1	0.55	0.33	134,134,134,134	0
54	MG	AA	1725	1/1	0.56	0.33	92,92,92,92	0
54	MG	DA	3501	1/1	0.56	0.24	84,84,84,84	0
54	MG	AA	1917	1/1	0.56	0.45	132,132,132,132	0
54	MG	AA	1965	1/1	0.56	0.19	117,117,117,117	0
54	MG	BA	3510	1/1	0.56	0.18	91,91,91,91	0
54	MG	DA	3719	1/1	0.56	0.31	116,116,116,116	0
54	MG	AA	1812	1/1	0.56	0.27	110,110,110,110	0
54	MG	DA	3091	1/1	0.56	0.44	92,92,92,92	0
54	MG	BA	3450	1/1	0.57	0.14	90,90,90,90	0
54	MG	DA	3336	1/1	0.57	0.69	127,127,127,127	0
54	MG	CA	1833	1/1	0.57	0.12	70,70,70,70	0
54	MG	DA	3610	1/1	0.57	0.31	99,99,99,99	0
54	MG	B0	202	1/1	0.57	0.34	111,111,111,111	0
54	MG	CA	1897	1/1	0.57	0.30	105,105,105,105	0
54	MG	DA	3671	1/1	0.57	0.40	102,102,102,102	0
54	MG	DA	3078	1/1	0.58	0.22	77,77,77,77	0
54	MG	DA	3493	1/1	0.58	0.19	78,78,78,78	0
54	MG	DA	3656	1/1	0.58	0.77	136,136,136,136	0
54	MG	AA	2030	1/1	0.58	0.67	188,188,188,188	0
54	MG	DA	3505	1/1	0.58	0.29	88,88,88,88	0
54	MG	DB	222	1/1	0.58	0.20	92,92,92,92	0
54	MG	BA	3501	1/1	0.58	0.21	80,80,80,80	0
54	MG	DA	3660	1/1	0.59	0.29	87,87,87,87	0
54	MG	DA	3768	1/1	0.59	0.30	92,92,92,92	0
54	MG	CA	1960	1/1	0.59	0.26	108,108,108,108	0
54	MG	CA	1730	1/1	0.59	0.21	66,66,66,66	0
54	MG	AA	1919	1/1	0.59	0.30	117,117,117,117	0
54	MG	CS	102	1/1	0.59	0.10	119,119,119,119	0
54	MG	DA	3712	1/1	0.59	0.78	138,138,138,138	0
54	MG	DA	3624	1/1	0.59	0.21	82,82,82,82	0
54	MG	DA	3188	1/1	0.59	0.42	96,96,96,96	0
54	MG	CA	1782	1/1	0.59	0.36	123,123,123,123	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
54	MG	AA	1868	1/1	0.60	0.19	103,103,103,103	0
54	MG	DA	3573	1/1	0.60	0.67	124,124,124,124	0
54	MG	BA	3448	1/1	0.60	0.23	95,95,95,95	0
54	MG	CA	1919	1/1	0.60	0.31	112,112,112,112	0
54	MG	BA	3504	1/1	0.60	0.07	115,115,115,115	0
54	MG	AA	1911	1/1	0.60	0.29	104,104,104,104	0
54	MG	DA	3559	1/1	0.60	0.33	103,103,103,103	0
54	MG	DA	3771	1/1	0.61	0.33	97,97,97,97	0
54	MG	BA	3137	1/1	0.61	0.31	88,88,88,88	0
54	MG	AA	1789	1/1	0.61	0.18	128,128,128,128	0
54	MG	BA	3167	1/1	0.61	0.38	91,91,91,91	0
54	MG	BB	222	1/1	0.61	0.17	93,93,93,93	0
54	MG	DA	3313	1/1	0.61	0.20	71,71,71,71	0
54	MG	CC	107	1/1	0.61	0.12	102,102,102,102	0
54	MG	AA	1973	1/1	0.61	0.10	84,84,84,84	0
54	MG	AA	1754	1/1	0.61	0.31	96,96,96,96	0
54	MG	AA	1959	1/1	0.62	0.40	104,104,104,104	0
54	MG	BA	3393	1/1	0.62	0.12	82,82,82,82	0
54	MG	DA	3451	1/1	0.62	0.26	80,80,80,80	0
54	MG	DA	3759	1/1	0.62	0.50	84,84,84,84	0
54	MG	D1	205	1/1	0.62	0.27	110,110,110,110	0
54	MG	AA	1913	1/1	0.62	0.37	114,114,114,114	0
54	MG	CA	1763	1/1	0.63	0.22	72,72,72,72	0
54	MG	AA	1622	1/1	0.63	0.17	78,78,78,78	0
54	MG	AA	1687	1/1	0.63	0.51	138,138,138,138	0
54	MG	DA	3293	1/1	0.63	0.65	134,134,134,134	0
54	MG	BA	3512	1/1	0.63	0.22	113,113,113,113	0
54	MG	AA	2020	1/1	0.63	0.20	103,103,103,103	0
54	MG	CA	1828	1/1	0.63	0.19	89,89,89,89	0
54	MG	DA	3467	1/1	0.63	0.21	61,61,61,61	0
54	MG	BA	3476	1/1	0.63	0.24	97,97,97,97	0
54	MG	DA	3791	1/1	0.63	0.22	114,114,114,114	0
54	MG	AA	1909	1/1	0.63	0.55	128,128,128,128	0
54	MG	AH	201	1/1	0.63	0.28	103,103,103,103	0
54	MG	BR	202	1/1	0.63	0.20	105,105,105,105	0
54	MG	DB	213	1/1	0.63	0.65	133,133,133,133	0
54	MG	AL	202	1/1	0.63	0.26	129,129,129,129	0
54	MG	DA	3049	1/1	0.63	0.48	114,114,114,114	0
54	MG	AA	2004	1/1	0.63	0.36	124,124,124,124	0
54	MG	BA	3199	1/1	0.64	0.24	84,84,84,84	0
54	MG	BA	3325	1/1	0.64	0.15	98,98,98,98	0
54	MG	DA	3416	1/1	0.64	0.35	94,94,94,94	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
54	MG	DA	3548	1/1	0.64	0.23	86,86,86,86	0
54	MG	DA	3417	1/1	0.64	0.08	120,120,120,120	0
54	MG	CA	1971	1/1	0.64	0.25	116,116,116,116	0
54	MG	DA	3667	1/1	0.64	0.34	112,112,112,112	0
54	MG	DA	3159	1/1	0.64	0.14	77,77,77,77	0
54	MG	AA	2024	1/1	0.64	0.25	75,75,75,75	0
54	MG	BA	3561	1/1	0.64	0.36	117,117,117,117	0
54	MG	DU	206	1/1	0.64	0.16	83,83,83,83	0
55	ZN	AA	2040	1/1	0.64	0.49	300,300,300,300	0
54	MG	DA	3382	1/1	0.65	0.28	91,91,91,91	0
54	MG	AC	107	1/1	0.65	0.51	114,114,114,114	0
54	MG	BA	3328	1/1	0.65	0.20	105,105,105,105	0
54	MG	BA	3151	1/1	0.65	0.38	114,114,114,114	0
54	MG	CA	1860	1/1	0.65	0.42	127,127,127,127	0
54	MG	B3	101	1/1	0.65	0.15	72,72,72,72	0
54	MG	BA	3283	1/1	0.65	0.39	126,126,126,126	0
54	MG	AA	1720	1/1	0.65	0.15	76,76,76,76	0
55	ZN	AA	2041	1/1	0.65	0.19	262,262,262,262	0
54	MG	BA	3569	1/1	0.66	0.17	137,137,137,137	0
54	MG	DA	3205	1/1	0.66	0.33	115,115,115,115	0
54	MG	AA	1899	1/1	0.66	0.17	112,112,112,112	0
54	MG	CA	1942	1/1	0.66	0.14	101,101,101,101	0
54	MG	BA	3479	1/1	0.66	0.21	119,119,119,119	0
54	MG	BA	3503	1/1	0.66	0.14	66,66,66,66	0
54	MG	DF	301	1/1	0.66	0.15	82,82,82,82	0
54	MG	CA	1977	1/1	0.66	0.18	100,100,100,100	0
54	MG	AA	1972	1/1	0.66	0.18	78,78,78,78	0
54	MG	AA	1826	1/1	0.66	0.39	108,108,108,108	0
54	MG	CR	101	1/1	0.66	0.43	117,117,117,117	0
54	MG	DA	3487	1/1	0.66	0.41	96,96,96,96	0
54	MG	DA	3597	1/1	0.67	1.04	168,168,168,168	0
54	MG	AA	1999	1/1	0.67	0.17	100,100,100,100	0
54	MG	DA	3509	1/1	0.67	0.33	94,94,94,94	0
54	MG	BA	3266	1/1	0.67	0.30	97,97,97,97	0
54	MG	DA	3642	1/1	0.67	0.27	81,81,81,81	0
54	MG	AA	1730	1/1	0.67	0.40	85,85,85,85	0
54	MG	CA	1952	1/1	0.67	0.45	134,134,134,134	0
54	MG	D0	204	1/1	0.67	0.32	95,95,95,95	0
54	MG	BA	3559	1/1	0.67	0.26	104,104,104,104	0
54	MG	DA	3472	1/1	0.67	0.49	111,111,111,111	0
54	MG	AA	1776	1/1	0.67	0.35	110,110,110,110	0
54	MG	AA	1927	1/1	0.67	0.34	98,98,98,98	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
54	MG	AA	1719	1/1	0.67	0.37	90,90,90,90	0
54	MG	DA	3594	1/1	0.68	0.32	123,123,123,123	0
54	MG	BA	3484	1/1	0.68	0.17	106,106,106,106	0
54	MG	CA	1752	1/1	0.68	0.27	90,90,90,90	0
54	MG	DA	3519	1/1	0.68	0.32	87,87,87,87	0
54	MG	BA	3117	1/1	0.68	0.10	93,93,93,93	0
54	MG	CA	1761	1/1	0.68	0.11	129,129,129,129	0
54	MG	BA	3342	1/1	0.68	0.25	90,90,90,90	0
54	MG	BA	3376	1/1	0.68	0.18	121,121,121,121	0
54	MG	BA	3402	1/1	0.68	0.17	96,96,96,96	0
54	MG	BB	226	1/1	0.68	0.18	146,146,146,146	0
54	MG	DA	3306	1/1	0.68	0.19	65,65,65,65	0
54	MG	CA	1962	1/1	0.68	0.12	90,90,90,90	0
54	MG	DA	3674	1/1	0.68	0.12	83,83,83,83	0
54	MG	BA	3468	1/1	0.69	0.29	110,110,110,110	0
54	MG	CA	1718	1/1	0.69	0.34	96,96,96,96	0
54	MG	CA	1920	1/1	0.69	0.21	81,81,81,81	0
54	MG	DA	3446	1/1	0.69	0.27	86,86,86,86	0
54	MG	CA	1788	1/1	0.69	0.23	86,86,86,86	0
54	MG	CA	1803	1/1	0.69	0.22	100,100,100,100	0
54	MG	DA	3198	1/1	0.69	0.24	82,82,82,82	0
54	MG	AJ	201	1/1	0.69	0.17	116,116,116,116	0
54	MG	CC	110	1/1	0.69	0.12	110,110,110,110	0
54	MG	DU	205	1/1	0.69	0.17	75,75,75,75	0
54	MG	AA	1891	1/1	0.69	0.20	93,93,93,93	0
54	MG	BA	3223	1/1	0.69	0.19	88,88,88,88	0
54	MG	AA	1713	1/1	0.69	0.31	94,94,94,94	0
54	MG	DA	3295	1/1	0.70	0.17	104,104,104,104	0
54	MG	CA	1937	1/1	0.70	0.21	81,81,81,81	0
54	MG	AA	1932	1/1	0.70	0.28	122,122,122,122	0
54	MG	BA	3474	1/1	0.70	0.21	78,78,78,78	0
54	MG	AA	1986	1/1	0.70	0.12	96,96,96,96	0
54	MG	BB	204	1/1	0.70	0.26	97,97,97,97	0
54	MG	BA	3124	1/1	0.70	0.30	75,75,75,75	0
54	MG	AA	1636	1/1	0.70	0.34	71,71,71,71	0
54	MG	CA	1742	1/1	0.70	0.15	124,124,124,124	0
54	MG	CA	1908	1/1	0.70	0.38	128,128,128,128	0
54	MG	BE	301	1/1	0.70	0.10	60,60,60,60	0
54	MG	BA	3018	1/1	0.70	0.44	109,109,109,109	0
54	MG	BA	3221	1/1	0.70	0.26	82,82,82,82	0
54	MG	AA	1828	1/1	0.71	0.09	98,98,98,98	0
54	MG	CA	1817	1/1	0.71	0.33	105,105,105,105	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
54	MG	BA	3463	1/1	0.71	0.23	69,69,69,69	0
54	MG	BA	3539	1/1	0.71	0.19	100,100,100,100	0
54	MG	BA	3105	1/1	0.71	0.28	87,87,87,87	0
54	MG	CA	1922	1/1	0.71	0.34	116,116,116,116	0
54	MG	BA	3261	1/1	0.71	0.20	99,99,99,99	0
54	MG	AA	2034	1/1	0.71	0.37	94,94,94,94	0
54	MG	DB	214	1/1	0.71	0.13	85,85,85,85	0
54	MG	DA	3608	1/1	0.71	0.32	74,74,74,74	0
54	MG	B1	201	1/1	0.71	0.25	80,80,80,80	0
54	MG	DA	3733	1/1	0.71	0.25	75,75,75,75	0
54	MG	BA	3206	1/1	0.71	0.16	67,67,67,67	0
54	MG	CD	121	1/1	0.71	0.14	112,112,112,112	0
54	MG	DA	3631	1/1	0.71	0.39	118,118,118,118	0
54	MG	AD	102	1/1	0.71	0.18	120,120,120,120	0
54	MG	CA	1723	1/1	0.71	0.12	111,111,111,111	0
54	MG	DA	3653	1/1	0.71	0.28	88,88,88,88	0
54	MG	DA	3625	1/1	0.72	0.20	99,99,99,99	0
54	MG	CA	1753	1/1	0.72	0.14	114,114,114,114	0
54	MG	DA	3506	1/1	0.72	0.32	63,63,63,63	0
54	MG	AA	1804	1/1	0.72	0.37	88,88,88,88	0
54	MG	AA	1661	1/1	0.72	0.39	93,93,93,93	0
54	MG	DA	3789	1/1	0.72	0.43	118,118,118,118	0
54	MG	BA	3520	1/1	0.72	0.22	55,55,55,55	0
54	MG	BA	3334	1/1	0.72	0.20	75,75,75,75	0
54	MG	DA	3028	1/1	0.72	0.23	59,59,59,59	0
54	MG	AA	1947	1/1	0.72	0.17	119,119,119,119	0
54	MG	DA	3804	1/1	0.72	0.17	94,94,94,94	0
54	MG	CA	1882	1/1	0.72	0.31	106,106,106,106	0
54	MG	DA	3439	1/1	0.72	0.58	104,104,104,104	0
54	MG	CA	1676	1/1	0.72	0.34	83,83,83,83	0
54	MG	DB	229	1/1	0.72	0.17	78,78,78,78	0
54	MG	DA	3099	1/1	0.72	0.40	60,60,60,60	0
54	MG	AA	1629	1/1	0.72	0.28	74,74,74,74	0
54	MG	AA	1654	1/1	0.72	0.21	54,54,54,54	0
54	MG	DA	3477	1/1	0.72	0.15	83,83,83,83	0
54	MG	AA	1924	1/1	0.72	0.29	114,114,114,114	0
54	MG	AA	1655	1/1	0.72	0.24	91,91,91,91	0
54	MG	DW	101	1/1	0.72	0.20	75,75,75,75	0
54	MG	DA	3620	1/1	0.72	0.29	98,98,98,98	0
54	MG	AA	1970	1/1	0.72	0.17	98,98,98,98	0
54	MG	AA	1934	1/1	0.73	0.14	88,88,88,88	0
54	MG	DA	3281	1/1	0.73	0.25	123,123,123,123	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
54	MG	CA	1720	1/1	0.73	0.15	94,94,94,94	0
54	MG	BA	3573	1/1	0.73	0.18	86,86,86,86	0
54	MG	BA	3130	1/1	0.73	0.26	75,75,75,75	0
54	MG	CA	1739	1/1	0.73	0.09	80,80,80,80	0
54	MG	CA	1820	1/1	0.73	0.24	102,102,102,102	0
54	MG	AA	1704	1/1	0.73	0.30	88,88,88,88	0
54	MG	DA	3799	1/1	0.73	0.26	92,92,92,92	0
54	MG	DA	3560	1/1	0.73	0.23	79,79,79,79	0
54	MG	DA	3801	1/1	0.73	0.52	101,101,101,101	0
54	MG	CD	116	1/1	0.73	0.13	90,90,90,90	0
54	MG	AA	1680	1/1	0.73	0.21	70,70,70,70	0
54	MG	BA	3217	1/1	0.73	0.25	86,86,86,86	0
54	MG	DA	3703	1/1	0.73	0.23	99,99,99,99	0
54	MG	BB	213	1/1	0.73	0.14	122,122,122,122	0
54	MG	DA	3710	1/1	0.73	0.71	106,106,106,106	0
54	MG	AA	1799	1/1	0.73	0.12	91,91,91,91	0
54	MG	DG	203	1/1	0.73	0.38	112,112,112,112	0
54	MG	DA	3714	1/1	0.73	0.33	92,92,92,92	0
54	MG	DA	3715	1/1	0.73	0.39	91,91,91,91	0
54	MG	AA	2018	1/1	0.73	0.24	117,117,117,117	0
54	MG	CA	1765	1/1	0.73	0.36	118,118,118,118	0
54	MG	CA	1771	1/1	0.73	0.26	101,101,101,101	0
54	MG	CA	1976	1/1	0.73	0.17	103,103,103,103	0
54	MG	CA	1706	1/1	0.73	0.20	61,61,61,61	0
54	MG	CA	1895	1/1	0.73	0.10	87,87,87,87	0
54	MG	DA	3794	1/1	0.74	0.18	142,142,142,142	0
54	MG	BB	217	1/1	0.74	0.36	102,102,102,102	0
54	MG	DA	3217	1/1	0.74	0.37	79,79,79,79	0
54	MG	DA	3227	1/1	0.74	0.25	66,66,66,66	0
54	MG	AA	2026	1/1	0.74	0.30	90,90,90,90	0
54	MG	CA	1741	1/1	0.74	0.41	123,123,123,123	0
54	MG	AA	1813	1/1	0.74	0.30	93,93,93,93	0
54	MG	CA	1847	1/1	0.74	0.31	133,133,133,133	0
54	MG	CA	1918	1/1	0.74	0.07	93,93,93,93	0
54	MG	DA	3319	1/1	0.74	0.17	71,71,71,71	0
54	MG	CA	1851	1/1	0.74	0.31	87,87,87,87	0
54	MG	DA	3351	1/1	0.74	0.15	88,88,88,88	0
54	MG	BA	3495	1/1	0.74	0.18	97,97,97,97	0
54	MG	BA	3278	1/1	0.74	0.23	119,119,119,119	0
54	MG	AA	1852	1/1	0.74	0.20	66,66,66,66	0
54	MG	DA	3437	1/1	0.74	0.49	107,107,107,107	0
54	MG	DA	3132	1/1	0.74	0.32	76,76,76,76	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
54	MG	BA	3570	1/1	0.74	0.17	104,104,104,104	0
54	MG	AA	1652	1/1	0.74	0.19	82,82,82,82	0
54	MG	CC	111	1/1	0.74	0.23	99,99,99,99	0
54	MG	AA	2031	1/1	0.75	0.34	86,86,86,86	0
54	MG	BA	3464	1/1	0.75	0.20	102,102,102,102	0
54	MG	BA	3179	1/1	0.75	0.15	51,51,51,51	0
54	MG	BA	3417	1/1	0.75	0.11	97,97,97,97	0
54	MG	DA	3761	1/1	0.75	0.30	112,112,112,112	0
54	MG	AA	1953	1/1	0.75	0.14	94,94,94,94	0
54	MG	CM	201	1/1	0.75	0.22	91,91,91,91	0
54	MG	BA	3281	1/1	0.75	0.27	113,113,113,113	0
54	MG	CA	1781	1/1	0.75	0.39	118,118,118,118	0
54	MG	AW	204	1/1	0.75	0.13	105,105,105,105	0
54	MG	D1	201	1/1	0.75	0.34	83,83,83,83	0
54	MG	CA	1955	1/1	0.75	0.49	102,102,102,102	0
54	MG	AA	1945	1/1	0.75	0.29	67,67,67,67	0
54	MG	BA	3315	1/1	0.75	0.16	84,84,84,84	0
54	MG	CD	106	1/1	0.75	0.18	94,94,94,94	0
54	MG	DA	3539	1/1	0.75	0.23	76,76,76,76	0
54	MG	CA	1968	1/1	0.75	0.29	90,90,90,90	0
54	MG	DA	3445	1/1	0.75	0.32	95,95,95,95	0
54	MG	DA	3617	1/1	0.76	0.30	91,91,91,91	0
54	MG	CA	1748	1/1	0.76	0.12	71,71,71,71	0
54	MG	AA	1905	1/1	0.76	0.16	96,96,96,96	0
54	MG	AA	2007	1/1	0.76	0.29	119,119,119,119	0
54	MG	CA	1975	1/1	0.76	0.27	110,110,110,110	0
54	MG	BU	205	1/1	0.76	0.18	55,55,55,55	0
54	MG	BA	3447	1/1	0.76	0.14	109,109,109,109	0
54	MG	DA	3518	1/1	0.76	0.22	78,78,78,78	0
54	MG	DA	3654	1/1	0.76	0.10	105,105,105,105	0
54	MG	DA	3320	1/1	0.76	0.17	131,131,131,131	0
54	MG	AT	201	1/1	0.76	0.16	101,101,101,101	0
54	MG	BA	3347	1/1	0.76	0.21	99,99,99,99	0
54	MG	DA	3369	1/1	0.76	0.31	90,90,90,90	0
54	MG	AW	203	1/1	0.76	0.21	114,114,114,114	0
54	MG	DA	3553	1/1	0.76	0.23	74,74,74,74	0
54	MG	DA	3398	1/1	0.76	0.46	100,100,100,100	0
54	MG	AA	1761	1/1	0.76	0.51	136,136,136,136	0
54	MG	AA	1863	1/1	0.76	0.42	92,92,92,92	0
54	MG	DA	3706	1/1	0.76	0.21	78,78,78,78	0
54	MG	DA	3142	1/1	0.76	0.28	61,61,61,61	0
54	MG	AA	1668	1/1	0.76	0.61	107,107,107,107	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
54	MG	DA	3584	1/1	0.76	0.25	86,86,86,86	0
54	MG	AA	1647	1/1	0.76	0.43	71,71,71,71	0
54	MG	DA	3716	1/1	0.76	0.28	86,86,86,86	0
54	MG	AI	201	1/1	0.76	0.12	72,72,72,72	0
54	MG	BA	3478	1/1	0.76	0.39	127,127,127,127	0
54	MG	CC	113	1/1	0.76	0.18	67,67,67,67	0
54	MG	CD	103	1/1	0.76	0.14	113,113,113,113	0
54	MG	DA	3261	1/1	0.76	0.29	102,102,102,102	0
54	MG	DA	3614	1/1	0.76	0.18	67,67,67,67	0
54	MG	DA	3219	1/1	0.77	0.38	80,80,80,80	0
54	MG	DA	3409	1/1	0.77	0.32	70,70,70,70	0
54	MG	DA	3226	1/1	0.77	0.13	74,74,74,74	0
54	MG	CS	101	1/1	0.77	0.24	82,82,82,82	0
54	MG	AT	202	1/1	0.77	0.25	111,111,111,111	0
54	MG	DA	3690	1/1	0.77	0.32	83,83,83,83	0
54	MG	CX	101	1/1	0.77	0.09	90,90,90,90	0
54	MG	BA	3298	1/1	0.77	0.17	95,95,95,95	0
54	MG	AA	1984	1/1	0.77	0.11	80,80,80,80	0
54	MG	BA	3358	1/1	0.77	0.15	101,101,101,101	0
54	MG	BA	3319	1/1	0.77	0.34	108,108,108,108	0
54	MG	DS	201	1/1	0.77	0.54	104,104,104,104	0
54	MG	AA	1825	1/1	0.77	0.09	95,95,95,95	0
54	MG	BA	3264	1/1	0.77	0.12	64,64,64,64	0
54	MG	CA	1954	1/1	0.77	0.12	95,95,95,95	0
54	MG	CA	1697	1/1	0.77	0.28	98,98,98,98	0
54	MG	CP	201	1/1	0.77	0.32	118,118,118,118	0
54	MG	CA	1861	1/1	0.77	0.15	109,109,109,109	0
54	MG	BA	3032	1/1	0.78	0.38	66,66,66,66	0
54	MG	BA	3232	1/1	0.78	0.15	99,99,99,99	0
54	MG	BA	3125	1/1	0.78	0.14	94,94,94,94	0
54	MG	BA	3254	1/1	0.78	0.22	101,101,101,101	0
54	MG	BA	3049	1/1	0.78	0.19	71,71,71,71	0
54	MG	BA	3489	1/1	0.78	0.12	93,93,93,93	0
54	MG	BA	3428	1/1	0.78	0.14	93,93,93,93	0
54	MG	BA	3063	1/1	0.78	0.27	63,63,63,63	0
54	MG	AA	1855	1/1	0.78	0.23	101,101,101,101	0
54	MG	DA	3795	1/1	0.78	0.54	112,112,112,112	0
54	MG	DA	3326	1/1	0.78	0.59	105,105,105,105	0
54	MG	BA	3335	1/1	0.78	0.36	86,86,86,86	0
54	MG	CA	1875	1/1	0.78	0.18	110,110,110,110	0
54	MG	B4	101	1/1	0.78	0.12	85,85,85,85	0
54	MG	DA	3554	1/1	0.78	0.33	72,72,72,72	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
54	MG	DA	3379	1/1	0.78	0.50	100,100,100,100	0
54	MG	CA	1626	1/1	0.78	0.31	68,68,68,68	0
54	MG	BA	3267	1/1	0.78	0.29	102,102,102,102	0
54	MG	BA	3276	1/1	0.78	0.13	79,79,79,79	0
54	MG	CL	201	1/1	0.78	0.40	81,81,81,81	0
54	MG	DA	3583	1/1	0.78	0.26	99,99,99,99	0
54	MG	CA	1797	1/1	0.78	0.20	77,77,77,77	0
54	MG	D0	205	1/1	0.78	0.85	95,95,95,95	0
54	MG	BA	3212	1/1	0.78	0.20	87,87,87,87	0
54	MG	DA	3181	1/1	0.78	0.15	48,48,48,48	0
54	MG	CA	1808	1/1	0.78	0.28	98,98,98,98	0
54	MG	BA	3370	1/1	0.78	0.11	70,70,70,70	0
54	MG	AA	1996	1/1	0.78	0.26	106,106,106,106	0
54	MG	AA	1879	1/1	0.78	0.04	85,85,85,85	0
54	MG	CC	103	1/1	0.78	0.21	86,86,86,86	0
54	MG	BA	3535	1/1	0.78	0.13	94,94,94,94	0
54	MG	DA	3484	1/1	0.78	0.18	72,72,72,72	0
54	MG	CA	1707	1/1	0.79	0.22	106,106,106,106	0
54	MG	DA	3347	1/1	0.79	0.51	98,98,98,98	0
54	MG	DA	3569	1/1	0.79	0.36	92,92,92,92	0
54	MG	BA	3365	1/1	0.79	0.15	77,77,77,77	0
54	MG	DA	3355	1/1	0.79	0.17	60,60,60,60	0
54	MG	CA	1821	1/1	0.79	0.30	104,104,104,104	0
54	MG	DA	3018	1/1	0.79	0.40	83,83,83,83	0
54	MG	BA	2906	1/1	0.79	0.14	101,101,101,101	0
54	MG	DA	3397	1/1	0.79	0.23	77,77,77,77	0
54	MG	AA	1858	1/1	0.79	0.08	83,83,83,83	0
54	MG	DA	3773	1/1	0.79	0.25	89,89,89,89	0
54	MG	DA	3775	1/1	0.79	0.24	90,90,90,90	0
54	MG	AA	2028	1/1	0.79	0.15	102,102,102,102	0
54	MG	AA	1908	1/1	0.79	0.28	95,95,95,95	0
54	MG	AA	1861	1/1	0.79	0.11	120,120,120,120	0
54	MG	BA	3544	1/1	0.79	0.14	71,71,71,71	0
54	MG	BA	3547	1/1	0.79	0.15	74,74,74,74	0
54	MG	BA	3055	1/1	0.79	0.16	58,58,58,58	0
54	MG	AA	1883	1/1	0.79	0.15	64,64,64,64	0
54	MG	BQ	201	1/1	0.79	0.19	105,105,105,105	0
54	MG	BA	3066	1/1	0.79	0.34	99,99,99,99	0
54	MG	BA	3180	1/1	0.79	0.16	72,72,72,72	0
54	MG	BA	3567	1/1	0.79	0.11	69,69,69,69	0
54	MG	DA	3644	1/1	0.79	0.26	106,106,106,106	0
54	MG	CA	1885	1/1	0.79	0.18	74,74,74,74	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
54	MG	BA	3184	1/1	0.79	0.32	116,116,116,116	0
54	MG	DA	3492	1/1	0.79	0.28	95,95,95,95	0
54	MG	CA	1775	1/1	0.79	0.25	99,99,99,99	0
54	MG	BA	3491	1/1	0.79	0.19	104,104,104,104	0
54	MG	DA	3228	1/1	0.79	0.29	77,77,77,77	0
54	MG	BZ	101	1/1	0.79	0.14	92,92,92,92	0
54	MG	DO	204	1/1	0.79	0.16	65,65,65,65	0
54	MG	BA	3443	1/1	0.79	0.09	79,79,79,79	0
54	MG	DA	3512	1/1	0.79	0.56	96,96,96,96	0
54	MG	AA	1635	1/1	0.79	0.16	54,54,54,54	0
54	MG	AA	1675	1/1	0.79	0.18	62,62,62,62	0
54	MG	CA	1680	1/1	0.79	0.26	99,99,99,99	0
54	MG	DU	201	1/1	0.79	0.15	60,60,60,60	0
54	MG	DA	3534	1/1	0.79	0.24	86,86,86,86	0
54	MG	CA	1921	1/1	0.79	0.24	70,70,70,70	0
54	MG	BA	3272	1/1	0.79	0.16	66,66,66,66	0
54	MG	D3	104	1/1	0.79	0.27	75,75,75,75	0
54	MG	AA	1841	1/1	0.79	0.26	100,100,100,100	0
54	MG	CA	1933	1/1	0.79	0.10	69,69,69,69	0
54	MG	DA	3335	1/1	0.79	0.38	93,93,93,93	0
54	MG	DA	3723	1/1	0.80	0.27	106,106,106,106	0
54	MG	DA	3727	1/1	0.80	0.51	106,106,106,106	0
54	MG	BE	305	1/1	0.80	0.15	68,68,68,68	0
54	MG	DA	3107	1/1	0.80	0.33	91,91,91,91	0
54	MG	DA	3747	1/1	0.80	0.11	90,90,90,90	0
54	MG	AA	1844	1/1	0.80	0.20	108,108,108,108	0
54	MG	DA	3114	1/1	0.80	0.38	72,72,72,72	0
54	MG	DA	3127	1/1	0.80	0.27	78,78,78,78	0
54	MG	DA	3764	1/1	0.80	0.32	108,108,108,108	0
54	MG	BG	201	1/1	0.80	0.22	117,117,117,117	0
54	MG	CA	1899	1/1	0.80	0.26	66,66,66,66	0
54	MG	AA	1960	1/1	0.80	0.17	98,98,98,98	0
54	MG	CA	1728	1/1	0.80	0.33	85,85,85,85	0
54	MG	DA	3609	1/1	0.80	0.26	86,86,86,86	0
54	MG	CA	1911	1/1	0.80	0.09	123,123,123,123	0
54	MG	CA	1815	1/1	0.80	0.44	105,105,105,105	0
54	MG	BA	3377	1/1	0.80	0.11	67,67,67,67	0
54	MG	BA	3316	1/1	0.80	0.40	110,110,110,110	0
54	MG	DA	3790	1/1	0.80	0.16	109,109,109,109	0
54	MG	CC	102	1/1	0.80	0.16	87,87,87,87	0
54	MG	BA	3389	1/1	0.80	0.17	89,89,89,89	0
54	MG	BA	3150	1/1	0.80	0.28	72,72,72,72	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
54	MG	DA	3480	1/1	0.80	0.23	76,76,76,76	0
54	MG	DA	3797	1/1	0.80	0.80	85,85,85,85	0
54	MG	AA	1878	1/1	0.80	0.15	99,99,99,99	0
54	MG	DA	3243	1/1	0.80	0.20	65,65,65,65	0
54	MG	DA	3251	1/1	0.80	0.42	83,83,83,83	0
54	MG	CA	1750	1/1	0.80	0.12	80,80,80,80	0
54	MG	DA	3265	1/1	0.80	0.24	84,84,84,84	0
54	MG	DA	3279	1/1	0.80	0.33	98,98,98,98	0
54	MG	AA	1759	1/1	0.80	0.26	77,77,77,77	0
54	MG	BA	2903	1/1	0.80	0.10	82,82,82,82	0
54	MG	AA	1910	1/1	0.80	0.13	103,103,103,103	0
54	MG	AA	1903	1/1	0.80	0.20	95,95,95,95	0
54	MG	AA	1872	1/1	0.80	0.16	108,108,108,108	0
54	MG	DA	3682	1/1	0.80	0.61	141,141,141,141	0
54	MG	DA	3689	1/1	0.80	0.16	63,63,63,63	0
54	MG	DA	3317	1/1	0.80	0.16	91,91,91,91	0
54	MG	DA	3533	1/1	0.80	0.08	91,91,91,91	0
54	MG	DA	3697	1/1	0.80	0.29	89,89,89,89	0
54	MG	CD	110	1/1	0.80	0.26	102,102,102,102	0
54	MG	CA	1641	1/1	0.80	0.20	72,72,72,72	0
54	MG	BA	3293	1/1	0.80	0.29	111,111,111,111	0
54	MG	DA	3327	1/1	0.80	0.38	100,100,100,100	0
54	MG	CA	1964	1/1	0.80	0.12	94,94,94,94	0
54	MG	BA	3360	1/1	0.80	0.41	117,117,117,117	0
54	MG	BA	3558	1/1	0.80	0.13	108,108,108,108	0
54	MG	CA	1704	1/1	0.80	0.17	88,88,88,88	0
54	MG	AA	1978	1/1	0.80	0.06	99,99,99,99	0
54	MG	DA	3072	1/1	0.81	0.25	66,66,66,66	0
54	MG	DA	3557	1/1	0.81	0.18	97,97,97,97	0
54	MG	BA	3533	1/1	0.81	0.08	81,81,81,81	0
54	MG	AA	1851	1/1	0.81	0.28	97,97,97,97	0
54	MG	DA	3098	1/1	0.81	0.38	65,65,65,65	0
54	MG	DA	3752	1/1	0.81	0.19	74,74,74,74	0
54	MG	AA	1930	1/1	0.81	0.38	82,82,82,82	0
54	MG	BA	3375	1/1	0.81	0.16	112,112,112,112	0
54	MG	DA	3376	1/1	0.81	0.30	93,93,93,93	0
54	MG	CA	1749	1/1	0.81	0.20	69,69,69,69	0
54	MG	DA	3380	1/1	0.81	0.28	78,78,78,78	0
54	MG	BA	3244	1/1	0.81	0.08	67,67,67,67	0
54	MG	AP	201	1/1	0.81	0.12	82,82,82,82	0
54	MG	BA	2908	1/1	0.81	0.12	102,102,102,102	0
54	MG	DA	3134	1/1	0.81	0.52	111,111,111,111	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
54	MG	DA	3413	1/1	0.81	0.48	99,99,99,99	0
54	MG	BA	3379	1/1	0.81	0.25	98,98,98,98	0
54	MG	BA	3123	1/1	0.81	0.33	71,71,71,71	0
54	MG	DA	3785	1/1	0.81	0.30	117,117,117,117	0
54	MG	DA	3167	1/1	0.81	0.34	68,68,68,68	0
54	MG	BA	2910	1/1	0.81	0.18	149,149,149,149	0
54	MG	DA	3185	1/1	0.81	0.33	75,75,75,75	0
54	MG	AA	1857	1/1	0.81	0.36	88,88,88,88	0
54	MG	DA	3190	1/1	0.81	0.13	50,50,50,50	0
54	MG	BA	3568	1/1	0.81	0.12	123,123,123,123	0
54	MG	DA	3470	1/1	0.81	0.35	79,79,79,79	0
54	MG	AA	1866	1/1	0.81	0.35	117,117,117,117	0
54	MG	BA	3416	1/1	0.81	0.21	74,74,74,74	0
54	MG	CA	1628	1/1	0.81	0.40	87,87,87,87	0
54	MG	AA	2019	1/1	0.81	0.07	104,104,104,104	0
54	MG	BA	3340	1/1	0.81	0.08	77,77,77,77	0
54	MG	CC	109	1/1	0.81	0.36	99,99,99,99	0
54	MG	CA	1799	1/1	0.81	0.30	86,86,86,86	0
54	MG	DA	3496	1/1	0.81	0.25	69,69,69,69	0
54	MG	DA	3672	1/1	0.81	0.39	87,87,87,87	0
54	MG	BA	3423	1/1	0.81	0.12	85,85,85,85	0
54	MG	BA	3341	1/1	0.81	0.05	119,119,119,119	0
54	MG	AA	2038	1/1	0.81	0.35	116,116,116,116	0
54	MG	BA	3439	1/1	0.81	0.19	73,73,73,73	0
54	MG	AA	1937	1/1	0.81	0.25	95,95,95,95	0
54	MG	BA	3348	1/1	0.81	0.25	99,99,99,99	0
54	MG	AA	1795	1/1	0.81	0.21	70,70,70,70	0
54	MG	CA	1722	1/1	0.81	0.17	99,99,99,99	0
54	MG	BA	3291	1/1	0.81	0.17	86,86,86,86	0
54	MG	CD	122	1/1	0.81	0.18	97,97,97,97	0
54	MG	DA	3536	1/1	0.81	0.26	94,94,94,94	0
54	MG	DA	2981	1/1	0.81	0.30	60,60,60,60	0
54	MG	BA	3523	1/1	0.81	0.11	104,104,104,104	0
54	MG	DA	3547	1/1	0.81	0.19	91,91,91,91	0
54	MG	BA	3524	1/1	0.81	0.19	52,52,52,52	0
54	MG	CA	1732	1/1	0.81	0.25	82,82,82,82	0
54	MG	DA	3511	1/1	0.82	0.33	82,82,82,82	0
54	MG	CA	1872	1/1	0.82	0.23	84,84,84,84	0
54	MG	DA	3648	1/1	0.82	0.24	63,63,63,63	0
54	MG	BA	3396	1/1	0.82	0.22	63,63,63,63	0
54	MG	DA	3182	1/1	0.82	0.23	71,71,71,71	0
54	MG	DA	3358	1/1	0.82	0.26	78,78,78,78	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
54	MG	CA	1735	1/1	0.82	0.45	108,108,108,108	0
54	MG	CA	1880	1/1	0.82	0.16	130,130,130,130	0
54	MG	DA	3377	1/1	0.82	0.31	111,111,111,111	0
54	MG	AA	1963	1/1	0.82	0.48	103,103,103,103	0
54	MG	BA	3270	1/1	0.82	0.42	98,98,98,98	0
54	MG	CA	1888	1/1	0.82	0.12	112,112,112,112	0
54	MG	CA	1894	1/1	0.82	0.10	61,61,61,61	0
54	MG	DA	3680	1/1	0.82	0.17	75,75,75,75	0
54	MG	BB	225	1/1	0.82	0.16	90,90,90,90	0
54	MG	CD	124	1/1	0.82	0.25	109,109,109,109	0
54	MG	BA	3226	1/1	0.82	0.22	88,88,88,88	0
54	MG	BA	3472	1/1	0.82	0.14	125,125,125,125	0
54	MG	DA	3230	1/1	0.82	0.15	63,63,63,63	0
54	MG	DA	3239	1/1	0.82	0.17	67,67,67,67	0
54	MG	DB	204	1/1	0.82	0.14	94,94,94,94	0
54	MG	BA	3275	1/1	0.82	0.24	77,77,77,77	0
54	MG	AA	1762	1/1	0.82	0.28	104,104,104,104	0
54	MG	CA	1700	1/1	0.82	0.30	107,107,107,107	0
54	MG	DB	227	1/1	0.82	0.32	105,105,105,105	0
54	MG	BA	3424	1/1	0.82	0.25	107,107,107,107	0
54	MG	BA	3152	1/1	0.82	0.29	72,72,72,72	0
54	MG	BA	2911	1/1	0.82	0.12	120,120,120,120	0
54	MG	DO	203	1/1	0.82	0.23	100,100,100,100	0
54	MG	BA	3249	1/1	0.82	0.18	59,59,59,59	0
54	MG	CW	205	1/1	0.82	0.27	143,143,143,143	0
54	MG	DA	3602	1/1	0.82	0.09	116,116,116,116	0
54	MG	BA	3534	1/1	0.82	0.13	93,93,93,93	0
54	MG	CA	1848	1/1	0.82	0.30	130,130,130,130	0
54	MG	DA	3735	1/1	0.82	0.16	82,82,82,82	0
54	MG	DA	3115	1/1	0.82	0.32	55,55,55,55	0
54	MG	DA	3120	1/1	0.82	0.51	74,74,74,74	0
54	MG	AA	1884	1/1	0.82	0.10	86,86,86,86	0
54	MG	BA	3177	1/1	0.82	0.24	89,89,89,89	0
54	MG	AA	1699	1/1	0.82	0.22	95,95,95,95	0
54	MG	DA	3328	1/1	0.82	0.38	93,93,93,93	0
54	MG	AA	1640	1/1	0.82	0.21	75,75,75,75	0
54	MG	CA	1793	1/1	0.82	0.22	66,66,66,66	0
54	MG	CD	125	1/1	0.83	0.21	83,83,83,83	0
54	MG	CA	1759	1/1	0.83	0.36	113,113,113,113	0
54	MG	BA	3020	1/1	0.83	0.21	72,72,72,72	0
54	MG	AA	1843	1/1	0.83	0.33	93,93,93,93	0
54	MG	DA	3287	1/1	0.83	0.18	63,63,63,63	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
54	MG	CA	1866	1/1	0.83	0.19	118,118,118,118	0
54	MG	BA	3282	1/1	0.83	0.15	103,103,103,103	0
54	MG	BA	3229	1/1	0.83	0.22	77,77,77,77	0
54	MG	BA	3433	1/1	0.83	0.25	109,109,109,109	0
54	MG	AA	1819	1/1	0.83	0.25	98,98,98,98	0
54	MG	CA	1983	1/1	0.83	0.11	92,92,92,92	0
54	MG	BA	3366	1/1	0.83	0.13	69,69,69,69	0
54	MG	AA	1897	1/1	0.83	0.10	56,56,56,56	0
54	MG	CA	1887	1/1	0.83	0.13	82,82,82,82	0
54	MG	AA	1737	1/1	0.83	0.08	97,97,97,97	0
54	MG	BA	3514	1/1	0.83	0.21	102,102,102,102	0
54	MG	CP	204	1/1	0.83	0.31	137,137,137,137	0
54	MG	BA	3517	1/1	0.83	0.10	93,93,93,93	0
54	MG	DA	3529	1/1	0.83	0.23	94,94,94,94	0
54	MG	AA	1740	1/1	0.83	0.15	69,69,69,69	0
54	MG	BA	3253	1/1	0.83	0.16	70,70,70,70	0
54	MG	BA	3456	1/1	0.83	0.10	86,86,86,86	0
54	MG	BA	2907	1/1	0.83	0.23	106,106,106,106	0
54	MG	DA	3545	1/1	0.83	0.27	74,74,74,74	0
54	MG	DA	3688	1/1	0.83	0.34	111,111,111,111	0
54	MG	DB	212	1/1	0.83	0.35	75,75,75,75	0
54	MG	DA	3373	1/1	0.83	0.13	75,75,75,75	0
54	MG	BA	3526	1/1	0.83	0.09	100,100,100,100	0
54	MG	DB	215	1/1	0.83	0.20	99,99,99,99	0
54	MG	AA	1958	1/1	0.83	0.32	93,93,93,93	0
54	MG	BA	3385	1/1	0.83	0.19	64,64,64,64	0
54	MG	AA	2029	1/1	0.83	0.29	127,127,127,127	0
54	MG	BA	3536	1/1	0.83	0.19	89,89,89,89	0
54	MG	DA	3384	1/1	0.83	0.18	62,62,62,62	0
54	MG	DA	3709	1/1	0.83	0.18	84,84,84,84	0
54	MG	BA	3390	1/1	0.83	0.11	77,77,77,77	0
54	MG	DA	3568	1/1	0.83	0.16	93,93,93,93	0
54	MG	AA	2011	1/1	0.83	0.35	120,120,120,120	0
54	MG	AA	1634	1/1	0.83	0.40	97,97,97,97	0
54	MG	CA	1929	1/1	0.83	0.26	92,92,92,92	0
54	MG	CA	1838	1/1	0.83	0.26	83,83,83,83	0
54	MG	DT	101	1/1	0.83	0.12	51,51,51,51	0
54	MG	BA	2987	1/1	0.83	0.27	57,57,57,57	0
54	MG	BA	3006	1/1	0.83	0.15	54,54,54,54	0
54	MG	CA	1950	1/1	0.83	0.38	121,121,121,121	0
54	MG	BA	3412	1/1	0.83	0.18	94,94,94,94	0
54	MG	D3	102	1/1	0.83	0.10	72,72,72,72	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
54	MG	AA	1842	1/1	0.83	0.14	72,72,72,72	0
54	MG	DA	3600	1/1	0.83	0.27	107,107,107,107	0
54	MG	BA	3019	1/1	0.83	0.10	67,67,67,67	0
54	MG	DA	3259	1/1	0.83	0.35	71,71,71,71	0
54	MG	DA	3565	1/1	0.84	0.20	100,100,100,100	0
54	MG	BA	3541	1/1	0.84	0.22	79,79,79,79	0
54	MG	DA	3389	1/1	0.84	0.29	70,70,70,70	0
54	MG	BE	304	1/1	0.84	0.31	86,86,86,86	0
54	MG	DA	3740	1/1	0.84	0.28	88,88,88,88	0
54	MG	BA	3161	1/1	0.84	0.42	96,96,96,96	0
54	MG	DA	3404	1/1	0.84	0.24	94,94,94,94	0
54	MG	DA	3405	1/1	0.84	0.16	91,91,91,91	0
54	MG	AX	101	1/1	0.84	0.14	107,107,107,107	0
54	MG	BA	3069	1/1	0.84	0.09	48,48,48,48	0
54	MG	BA	3497	1/1	0.84	0.16	72,72,72,72	0
54	MG	AC	105	1/1	0.84	0.17	88,88,88,88	0
54	MG	BA	3080	1/1	0.84	0.14	69,69,69,69	0
54	MG	BA	2967	1/1	0.84	0.30	60,60,60,60	0
54	MG	DA	3443	1/1	0.84	0.36	86,86,86,86	0
54	MG	BA	3262	1/1	0.84	0.11	58,58,58,58	0
54	MG	BA	3386	1/1	0.84	0.13	85,85,85,85	0
54	MG	DA	3447	1/1	0.84	0.14	84,84,84,84	0
54	MG	BU	204	1/1	0.84	0.23	94,94,94,94	0
54	MG	DA	3455	1/1	0.84	0.10	80,80,80,80	0
54	MG	CA	1951	1/1	0.84	0.16	74,74,74,74	0
54	MG	BA	3191	1/1	0.84	0.35	79,79,79,79	0
54	MG	AA	2027	1/1	0.84	0.17	81,81,81,81	0
54	MG	DA	3628	1/1	0.84	0.12	70,70,70,70	0
54	MG	DA	3630	1/1	0.84	0.21	67,67,67,67	0
54	MG	CA	1751	1/1	0.84	0.16	96,96,96,96	0
54	MG	AA	2013	1/1	0.84	0.17	94,94,94,94	0
54	MG	DA	3007	1/1	0.84	0.22	48,48,48,48	0
54	MG	BW	101	1/1	0.84	0.11	65,65,65,65	0
54	MG	AA	1657	1/1	0.84	0.40	83,83,83,83	0
54	MG	CA	1967	1/1	0.84	0.08	113,113,113,113	0
54	MG	CA	1868	1/1	0.84	0.24	72,72,72,72	0
54	MG	DA	3296	1/1	0.84	0.44	82,82,82,82	0
54	MG	AA	1805	1/1	0.84	0.45	109,109,109,109	0
54	MG	DA	3666	1/1	0.84	0.14	78,78,78,78	0
54	MG	DA	3081	1/1	0.84	0.34	84,84,84,84	0
54	MG	DA	3670	1/1	0.84	0.36	98,98,98,98	0
54	MG	DA	3085	1/1	0.84	0.40	67,67,67,67	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
54	MG	BA	3129	1/1	0.84	0.23	72,72,72,72	0
54	MG	CA	1876	1/1	0.84	0.15	83,83,83,83	0
54	MG	CA	1635	1/1	0.84	0.33	86,86,86,86	0
54	MG	BA	2904	1/1	0.84	0.10	101,101,101,101	0
54	MG	CA	1647	1/1	0.84	0.25	81,81,81,81	0
54	MG	DA	3110	1/1	0.84	0.23	54,54,54,54	0
54	MG	CA	1653	1/1	0.84	0.37	86,86,86,86	0
54	MG	CA	1663	1/1	0.84	0.36	81,81,81,81	0
54	MG	BA	3414	1/1	0.84	0.18	105,105,105,105	0
54	MG	AA	1831	1/1	0.84	0.15	76,76,76,76	0
54	MG	DA	3542	1/1	0.84	0.17	92,92,92,92	0
54	MG	DA	3130	1/1	0.84	0.45	89,89,89,89	0
54	MG	AA	1824	1/1	0.84	0.21	85,85,85,85	0
54	MG	BA	3051	1/1	0.84	0.24	74,74,74,74	0
54	MG	AA	1674	1/1	0.84	0.19	74,74,74,74	0
54	MG	BA	3537	1/1	0.84	0.24	108,108,108,108	0
54	MG	AA	1988	1/1	0.84	0.10	93,93,93,93	0
54	MG	CA	1904	1/1	0.84	0.32	117,117,117,117	0
54	MG	DA	3381	1/1	0.84	0.19	73,73,73,73	0
54	MG	CA	1717	1/1	0.84	0.24	76,76,76,76	0
54	MG	DA	3563	1/1	0.84	0.12	76,76,76,76	0
54	MG	BA	3310	1/1	0.85	0.13	80,80,80,80	0
54	MG	DA	3272	1/1	0.85	0.32	66,66,66,66	0
54	MG	CD	117	1/1	0.85	0.09	85,85,85,85	0
54	MG	BA	2913	1/1	0.85	0.26	115,115,115,115	0
54	MG	DA	3284	1/1	0.85	0.21	75,75,75,75	0
54	MG	CA	1941	1/1	0.85	0.11	88,88,88,88	0
54	MG	CA	1826	1/1	0.85	0.21	107,107,107,107	0
54	MG	CA	1944	1/1	0.85	0.13	99,99,99,99	0
54	MG	DA	2980	1/1	0.85	0.30	44,44,44,44	0
54	MG	AA	1774	1/1	0.85	0.23	75,75,75,75	0
54	MG	AA	1830	1/1	0.85	0.27	88,88,88,88	0
54	MG	BA	3320	1/1	0.85	0.33	101,101,101,101	0
54	MG	BA	3092	1/1	0.85	0.10	58,58,58,58	0
54	MG	BA	2994	1/1	0.85	0.27	60,60,60,60	0
54	MG	DA	3323	1/1	0.85	0.17	105,105,105,105	0
54	MG	DA	3061	1/1	0.85	0.29	52,52,52,52	0
54	MG	CA	1959	1/1	0.85	0.12	84,84,84,84	0
54	MG	BO	201	1/1	0.85	0.14	50,50,50,50	0
54	MG	AA	1849	1/1	0.85	0.28	92,92,92,92	0
54	MG	BA	3120	1/1	0.85	0.18	75,75,75,75	0
54	MG	DA	3748	1/1	0.85	0.57	71,71,71,71	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
54	MG	CA	1965	1/1	0.85	0.30	92,92,92,92	0
54	MG	DA	3349	1/1	0.85	0.20	56,56,56,56	0
54	MG	BA	3337	1/1	0.85	0.12	73,73,73,73	0
54	MG	BA	3198	1/1	0.85	0.08	58,58,58,58	0
54	MG	DA	3357	1/1	0.85	0.20	77,77,77,77	0
54	MG	CA	1970	1/1	0.85	0.17	87,87,87,87	0
54	MG	AA	1998	1/1	0.85	0.26	98,98,98,98	0
54	MG	DA	3770	1/1	0.85	0.35	87,87,87,87	0
54	MG	BU	202	1/1	0.85	0.16	73,73,73,73	0
54	MG	BA	3563	1/1	0.85	0.15	74,74,74,74	0
54	MG	DA	3581	1/1	0.85	0.20	139,139,139,139	0
54	MG	AK	201	1/1	0.85	0.17	90,90,90,90	0
54	MG	AA	1895	1/1	0.85	0.14	133,133,133,133	0
54	MG	DA	3588	1/1	0.85	0.14	91,91,91,91	0
54	MG	DA	3124	1/1	0.85	0.18	66,66,66,66	0
54	MG	AA	1756	1/1	0.85	0.17	68,68,68,68	0
54	MG	BA	3207	1/1	0.85	0.11	67,67,67,67	0
54	MG	BA	3277	1/1	0.85	0.12	73,73,73,73	0
54	MG	B6	101	1/1	0.85	0.16	84,84,84,84	0
54	MG	CA	1608	1/1	0.85	0.14	53,53,53,53	0
54	MG	DA	3148	1/1	0.85	0.35	76,76,76,76	0
54	MG	DA	3150	1/1	0.85	0.31	54,54,54,54	0
54	MG	AA	1646	1/1	0.85	0.21	66,66,66,66	0
54	MG	DA	3162	1/1	0.85	0.27	55,55,55,55	0
54	MG	DA	3410	1/1	0.85	0.35	95,95,95,95	0
54	MG	AA	1698	1/1	0.85	0.37	79,79,79,79	0
54	MG	DA	3180	1/1	0.85	0.10	102,102,102,102	0
54	MG	BA	3146	1/1	0.85	0.14	78,78,78,78	0
54	MG	DA	3422	1/1	0.85	0.40	82,82,82,82	0
54	MG	BA	3575	1/1	0.85	0.15	82,82,82,82	0
54	MG	DA	3184	1/1	0.85	0.26	66,66,66,66	0
54	MG	BA	3373	1/1	0.85	0.36	105,105,105,105	0
54	MG	AA	1663	1/1	0.85	0.19	71,71,71,71	0
54	MG	CA	1790	1/1	0.85	0.14	76,76,76,76	0
54	MG	DA	3193	1/1	0.85	0.29	81,81,81,81	0
54	MG	CA	1661	1/1	0.85	0.16	64,64,64,64	0
54	MG	CC	105	1/1	0.85	0.34	88,88,88,88	0
54	MG	DA	3211	1/1	0.85	0.10	71,71,71,71	0
54	MG	DA	3657	1/1	0.85	0.12	88,88,88,88	0
54	MG	DA	3658	1/1	0.85	0.46	88,88,88,88	0
54	MG	CA	1794	1/1	0.85	0.27	80,80,80,80	0
54	MG	BA	3286	1/1	0.85	0.23	80,80,80,80	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
54	MG	BB	209	1/1	0.85	0.13	59,59,59,59	0
54	MG	DA	3668	1/1	0.85	0.51	117,117,117,117	0
54	MG	BB	210	1/1	0.85	0.17	62,62,62,62	0
54	MG	CA	1689	1/1	0.85	0.17	62,62,62,62	0
54	MG	BA	3057	1/1	0.85	0.15	65,65,65,65	0
54	MG	DA	3488	1/1	0.85	0.21	66,66,66,66	0
54	MG	BB	215	1/1	0.85	0.10	65,65,65,65	0
54	MG	AA	1685	1/1	0.85	0.21	96,96,96,96	0
54	MG	AA	1768	1/1	0.85	0.20	67,67,67,67	0
54	MG	DA	3686	1/1	0.85	0.14	93,93,93,93	0
54	MG	BA	3156	1/1	0.85	0.33	68,68,68,68	0
54	MG	CD	115	1/1	0.85	0.26	106,106,106,106	0
54	MG	DA	3465	1/1	0.86	0.51	104,104,104,104	0
54	MG	DA	3126	1/1	0.86	0.28	65,65,65,65	0
54	MG	DA	3308	1/1	0.86	0.25	49,49,49,49	0
54	MG	BA	3391	1/1	0.86	0.20	86,86,86,86	0
54	MG	DA	3314	1/1	0.86	0.15	107,107,107,107	0
54	MG	BA	3515	1/1	0.86	0.20	80,80,80,80	0
54	MG	BA	3460	1/1	0.86	0.15	90,90,90,90	0
54	MG	CA	1953	1/1	0.86	0.45	103,103,103,103	0
54	MG	BA	3116	1/1	0.86	0.26	64,64,64,64	0
54	MG	CA	1715	1/1	0.86	0.33	101,101,101,101	0
54	MG	DA	3772	1/1	0.86	0.18	76,76,76,76	0
54	MG	CA	1957	1/1	0.86	0.10	90,90,90,90	0
54	MG	BA	3351	1/1	0.86	0.08	69,69,69,69	0
54	MG	CD	108	1/1	0.86	0.11	174,174,174,174	0
54	MG	BA	3521	1/1	0.86	0.22	109,109,109,109	0
54	MG	DA	3178	1/1	0.86	0.30	72,72,72,72	0
54	MG	BT	102	1/1	0.86	0.10	100,100,100,100	0
54	MG	DA	3788	1/1	0.86	0.34	111,111,111,111	0
54	MG	BA	3354	1/1	0.86	0.09	57,57,57,57	0
54	MG	AA	1936	1/1	0.86	0.07	74,74,74,74	0
54	MG	BA	3118	1/1	0.86	0.20	82,82,82,82	0
54	MG	BA	3052	1/1	0.86	0.14	63,63,63,63	0
54	MG	DA	3362	1/1	0.86	0.13	58,58,58,58	0
54	MG	DA	3364	1/1	0.86	0.37	79,79,79,79	0
54	MG	BB	202	1/1	0.86	0.13	59,59,59,59	0
54	MG	BA	3121	1/1	0.86	0.24	76,76,76,76	0
54	MG	DA	3374	1/1	0.86	0.19	75,75,75,75	0
54	MG	BA	3368	1/1	0.86	0.43	113,113,113,113	0
54	MG	AA	1779	1/1	0.86	0.11	114,114,114,114	0
54	MG	DA	2989	1/1	0.86	0.24	42,42,42,42	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
54	MG	DA	3805	1/1	0.86	0.26	90,90,90,90	0
54	MG	BA	3002	1/1	0.86	0.23	62,62,62,62	0
54	MG	AA	1696	1/1	0.86	0.27	134,134,134,134	0
54	MG	BB	216	1/1	0.86	0.11	83,83,83,83	0
54	MG	DA	3550	1/1	0.86	0.30	76,76,76,76	0
54	MG	BA	3015	1/1	0.86	0.24	70,70,70,70	0
54	MG	DB	216	1/1	0.86	0.17	94,94,94,94	0
54	MG	DB	218	1/1	0.86	0.39	84,84,84,84	0
54	MG	DB	220	1/1	0.86	0.30	122,122,122,122	0
54	MG	CA	1831	1/1	0.86	0.37	95,95,95,95	0
54	MG	BA	3241	1/1	0.86	0.30	92,92,92,92	0
54	MG	CA	1835	1/1	0.86	0.15	74,74,74,74	0
54	MG	CP	203	1/1	0.86	0.09	93,93,93,93	0
54	MG	DA	3699	1/1	0.86	0.45	102,102,102,102	0
54	MG	AA	1695	1/1	0.86	0.34	73,73,73,73	0
54	MG	DA	3089	1/1	0.86	0.37	66,66,66,66	0
54	MG	CA	1839	1/1	0.86	0.14	65,65,65,65	0
54	MG	BA	3438	1/1	0.86	0.19	54,54,54,54	0
54	MG	BA	3196	1/1	0.86	0.43	89,89,89,89	0
54	MG	DA	3101	1/1	0.86	0.33	52,52,52,52	0
54	MG	DA	3276	1/1	0.86	0.26	70,70,70,70	0
54	MG	DA	3424	1/1	0.86	0.15	77,77,77,77	0
54	MG	BA	3380	1/1	0.86	0.17	71,71,71,71	0
54	MG	CA	1850	1/1	0.86	0.11	96,96,96,96	0
54	MG	DA	3440	1/1	0.86	0.58	118,118,118,118	0
54	MG	AQ	101	1/1	0.86	0.06	83,83,83,83	0
54	MG	AA	1726	1/1	0.86	0.14	68,68,68,68	0
54	MG	AA	1876	1/1	0.86	0.24	78,78,78,78	0
54	MG	AA	2015	1/1	0.86	0.27	106,106,106,106	0
54	MG	CC	108	1/1	0.86	0.13	75,75,75,75	0
54	MG	DA	3303	1/1	0.86	0.57	113,113,113,113	0
54	MG	AA	1845	1/1	0.87	0.15	88,88,88,88	0
54	MG	CQ	102	1/1	0.87	0.19	111,111,111,111	0
54	MG	BA	2988	1/1	0.87	0.14	46,46,46,46	0
54	MG	BA	3273	1/1	0.87	0.10	72,72,72,72	0
54	MG	BA	3467	1/1	0.87	0.06	81,81,81,81	0
54	MG	DA	3125	1/1	0.87	0.20	48,48,48,48	0
54	MG	DA	3523	1/1	0.87	0.07	64,64,64,64	0
54	MG	DA	3526	1/1	0.87	0.20	74,74,74,74	0
54	MG	AA	1693	1/1	0.87	0.09	95,95,95,95	0
54	MG	CA	1692	1/1	0.87	0.12	79,79,79,79	0
54	MG	DA	3531	1/1	0.87	0.31	90,90,90,90	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
54	MG	BA	3470	1/1	0.87	0.15	79,79,79,79	0
54	MG	AA	1888	1/1	0.87	0.11	114,114,114,114	0
54	MG	BA	3081	1/1	0.87	0.29	72,72,72,72	0
54	MG	DA	3138	1/1	0.87	0.35	56,56,56,56	0
54	MG	DA	3348	1/1	0.87	0.13	58,58,58,58	0
54	MG	BA	3343	1/1	0.87	0.22	73,73,73,73	0
54	MG	BA	3400	1/1	0.87	0.16	117,117,117,117	0
54	MG	BA	3545	1/1	0.87	0.20	82,82,82,82	0
54	MG	CA	1925	1/1	0.87	0.18	90,90,90,90	0
54	MG	DA	3549	1/1	0.87	0.44	70,70,70,70	0
54	MG	CA	1926	1/1	0.87	0.22	81,81,81,81	0
54	MG	DA	3164	1/1	0.87	0.39	72,72,72,72	0
54	MG	AA	1639	1/1	0.87	0.43	73,73,73,73	0
54	MG	DA	3755	1/1	0.87	0.18	67,67,67,67	0
54	MG	DA	3168	1/1	0.87	0.60	96,96,96,96	0
54	MG	BA	3549	1/1	0.87	0.33	110,110,110,110	0
54	MG	AA	1700	1/1	0.87	0.22	62,62,62,62	0
54	MG	BA	3112	1/1	0.87	0.21	64,64,64,64	0
54	MG	BA	3240	1/1	0.87	0.33	71,71,71,71	0
54	MG	BA	3357	1/1	0.87	0.15	66,66,66,66	0
54	MG	CA	1946	1/1	0.87	0.06	91,91,91,91	0
54	MG	CD	114	1/1	0.87	0.07	109,109,109,109	0
54	MG	AA	1975	1/1	0.87	0.15	86,86,86,86	0
54	MG	AA	1950	1/1	0.87	0.15	90,90,90,90	0
54	MG	DA	3778	1/1	0.87	0.13	97,97,97,97	0
54	MG	DA	3385	1/1	0.87	0.47	99,99,99,99	0
54	MG	DA	3387	1/1	0.87	0.31	83,83,83,83	0
54	MG	DA	3195	1/1	0.87	0.34	77,77,77,77	0
54	MG	AA	1738	1/1	0.87	0.32	84,84,84,84	0
54	MG	DA	3204	1/1	0.87	0.44	62,62,62,62	0
54	MG	DA	3400	1/1	0.87	0.23	73,73,73,73	0
54	MG	BA	3248	1/1	0.87	0.08	81,81,81,81	0
54	MG	DA	3598	1/1	0.87	0.18	79,79,79,79	0
54	MG	AA	1854	1/1	0.87	0.13	97,97,97,97	0
54	MG	BA	3434	1/1	0.87	0.23	88,88,88,88	0
54	MG	AA	1660	1/1	0.87	0.10	60,60,60,60	0
54	MG	BA	3507	1/1	0.87	0.16	80,80,80,80	0
54	MG	DA	3414	1/1	0.87	0.35	70,70,70,70	0
54	MG	BA	3313	1/1	0.87	0.17	102,102,102,102	0
54	MG	DA	3613	1/1	0.87	0.11	70,70,70,70	0
54	MG	AA	1856	1/1	0.87	0.22	71,71,71,71	0
54	MG	DA	2991	1/1	0.87	0.45	75,75,75,75	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
54	MG	DA	3237	1/1	0.87	0.27	68,68,68,68	0
54	MG	DA	3432	1/1	0.87	0.26	66,66,66,66	0
54	MG	DA	3238	1/1	0.87	0.36	100,100,100,100	0
54	MG	AA	1993	1/1	0.87	0.20	134,134,134,134	0
54	MG	BA	3445	1/1	0.87	0.36	96,96,96,96	0
54	MG	DA	3441	1/1	0.87	0.68	116,116,116,116	0
54	MG	CA	1754	1/1	0.87	0.17	82,82,82,82	0
54	MG	CA	1755	1/1	0.87	0.27	70,70,70,70	0
54	MG	DA	3645	1/1	0.87	0.49	88,88,88,88	0
54	MG	DA	3647	1/1	0.87	0.23	98,98,98,98	0
54	MG	DB	225	1/1	0.87	0.32	84,84,84,84	0
54	MG	AA	1742	1/1	0.87	0.24	83,83,83,83	0
54	MG	DA	3071	1/1	0.87	0.21	60,60,60,60	0
54	MG	AA	1931	1/1	0.87	0.31	98,98,98,98	0
54	MG	DA	3074	1/1	0.87	0.14	52,52,52,52	0
54	MG	DH	201	1/1	0.87	0.15	77,77,77,77	0
54	MG	CA	1631	1/1	0.87	0.28	68,68,68,68	0
54	MG	CA	1633	1/1	0.87	0.27	70,70,70,70	0
54	MG	CA	1634	1/1	0.87	0.20	54,54,54,54	0
54	MG	DA	3471	1/1	0.87	0.17	94,94,94,94	0
54	MG	BA	3321	1/1	0.87	0.16	64,64,64,64	0
54	MG	DA	3290	1/1	0.87	0.43	81,81,81,81	0
54	MG	DA	3478	1/1	0.87	0.28	71,71,71,71	0
54	MG	CA	1773	1/1	0.87	0.05	87,87,87,87	0
54	MG	DA	3294	1/1	0.87	0.27	78,78,78,78	0
54	MG	BB	208	1/1	0.87	0.12	91,91,91,91	0
54	MG	CA	1780	1/1	0.87	0.15	78,78,78,78	0
54	MG	DA	3299	1/1	0.87	0.34	84,84,84,84	0
54	MG	CA	1645	1/1	0.87	0.33	79,79,79,79	0
54	MG	DA	3495	1/1	0.87	0.29	92,92,92,92	0
54	MG	DA	3304	1/1	0.87	0.09	41,41,41,41	0
54	MG	AA	1818	1/1	0.87	0.09	64,64,64,64	0
54	MG	BA	3064	1/1	0.87	0.24	76,76,76,76	0
54	MG	DA	3681	1/1	0.88	0.26	92,92,92,92	0
54	MG	BA	3388	1/1	0.88	0.30	95,95,95,95	0
54	MG	DA	3685	1/1	0.88	0.14	66,66,66,66	0
54	MG	CA	1981	1/1	0.88	0.08	65,65,65,65	0
54	MG	DA	3316	1/1	0.88	0.22	88,88,88,88	0
54	MG	CA	1746	1/1	0.88	0.51	86,86,86,86	0
54	MG	CA	1869	1/1	0.88	0.11	98,98,98,98	0
54	MG	BA	3056	1/1	0.88	0.26	71,71,71,71	0
54	MG	DA	3513	1/1	0.88	0.81	82,82,82,82	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
54	MG	AA	1711	1/1	0.88	0.37	86,86,86,86	0
54	MG	AA	1645	1/1	0.88	0.20	55,55,55,55	0
54	MG	BA	3245	1/1	0.88	0.15	128,128,128,128	0
54	MG	CA	1879	1/1	0.88	0.31	90,90,90,90	0
54	MG	DA	3131	1/1	0.88	0.30	63,63,63,63	0
54	MG	AA	1618	1/1	0.88	0.25	39,39,39,39	0
54	MG	AA	1977	1/1	0.88	0.30	86,86,86,86	0
54	MG	CA	1883	1/1	0.88	0.09	80,80,80,80	0
54	MG	BA	3068	1/1	0.88	0.18	72,72,72,72	0
54	MG	AA	2016	1/1	0.88	0.36	102,102,102,102	0
54	MG	DA	3537	1/1	0.88	0.32	73,73,73,73	0
54	MG	DA	3720	1/1	0.88	0.43	82,82,82,82	0
54	MG	DA	3538	1/1	0.88	0.14	91,91,91,91	0
54	MG	DA	3354	1/1	0.88	0.12	55,55,55,55	0
54	MG	B8	101	1/1	0.88	0.17	76,76,76,76	0
54	MG	BA	3255	1/1	0.88	0.22	93,93,93,93	0
54	MG	CA	1612	1/1	0.88	0.12	37,37,37,37	0
54	MG	DA	3163	1/1	0.88	0.33	60,60,60,60	0
54	MG	DA	3742	1/1	0.88	0.21	58,58,58,58	0
54	MG	DA	3743	1/1	0.88	0.39	111,111,111,111	0
54	MG	AO	201	1/1	0.88	0.15	70,70,70,70	0
54	MG	BA	2959	1/1	0.88	0.13	36,36,36,36	0
54	MG	DA	3751	1/1	0.88	0.30	101,101,101,101	0
54	MG	AA	1796	1/1	0.88	0.33	75,75,75,75	0
54	MG	BA	3185	1/1	0.88	0.14	84,84,84,84	0
54	MG	BA	3505	1/1	0.88	0.22	114,114,114,114	0
54	MG	BA	3345	1/1	0.88	0.12	80,80,80,80	0
54	MG	CA	1638	1/1	0.88	0.28	60,60,60,60	0
54	MG	CA	1912	1/1	0.88	0.14	127,127,127,127	0
54	MG	BB	201	1/1	0.88	0.17	69,69,69,69	0
54	MG	BA	3509	1/1	0.88	0.21	107,107,107,107	0
54	MG	AA	1616	1/1	0.88	0.14	76,76,76,76	0
54	MG	DA	3191	1/1	0.88	0.41	89,89,89,89	0
54	MG	AA	1721	1/1	0.88	0.39	72,72,72,72	0
54	MG	BA	3349	1/1	0.88	0.10	82,82,82,82	0
54	MG	DA	3774	1/1	0.88	0.36	76,76,76,76	0
54	MG	DA	3396	1/1	0.88	0.20	85,85,85,85	0
54	MG	BA	2992	1/1	0.88	0.26	63,63,63,63	0
54	MG	CA	1668	1/1	0.88	0.30	62,62,62,62	0
54	MG	CA	1674	1/1	0.88	0.19	73,73,73,73	0
54	MG	AA	1918	1/1	0.88	0.11	84,84,84,84	0
54	MG	AA	1641	1/1	0.88	0.13	76,76,76,76	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
54	MG	DA	3591	1/1	0.88	0.14	81,81,81,81	0
54	MG	CD	118	1/1	0.88	0.08	60,60,60,60	0
54	MG	DA	3224	1/1	0.88	0.23	55,55,55,55	0
54	MG	CA	1684	1/1	0.88	0.15	60,60,60,60	0
54	MG	CA	1938	1/1	0.88	0.26	85,85,85,85	0
54	MG	DA	3601	1/1	0.88	0.36	95,95,95,95	0
54	MG	CA	1814	1/1	0.88	0.29	84,84,84,84	0
54	MG	DA	3605	1/1	0.88	0.19	80,80,80,80	0
54	MG	DA	3798	1/1	0.88	0.68	78,78,78,78	0
54	MG	AA	1682	1/1	0.88	0.37	87,87,87,87	0
54	MG	DA	3235	1/1	0.88	0.31	71,71,71,71	0
54	MG	CA	1690	1/1	0.88	0.13	74,74,74,74	0
54	MG	DA	3430	1/1	0.88	0.48	95,95,95,95	0
54	MG	AA	1806	1/1	0.88	0.24	118,118,118,118	0
54	MG	DA	3435	1/1	0.88	0.19	90,90,90,90	0
54	MG	CA	1949	1/1	0.88	0.21	91,91,91,91	0
54	MG	CA	1695	1/1	0.88	0.21	62,62,62,62	0
54	MG	DA	3622	1/1	0.88	0.38	84,84,84,84	0
54	MG	AC	101	1/1	0.88	0.07	88,88,88,88	0
54	MG	DA	3256	1/1	0.88	0.28	55,55,55,55	0
54	MG	DA	3627	1/1	0.88	0.09	87,87,87,87	0
54	MG	AA	1644	1/1	0.88	0.43	90,90,90,90	0
54	MG	AA	1734	1/1	0.88	0.23	60,60,60,60	0
54	MG	DA	3043	1/1	0.88	0.17	59,59,59,59	0
54	MG	DA	3636	1/1	0.88	0.17	66,66,66,66	0
54	MG	DA	3640	1/1	0.88	0.26	82,82,82,82	0
54	MG	BA	3218	1/1	0.88	0.10	70,70,70,70	0
54	MG	DA	3450	1/1	0.88	0.25	98,98,98,98	0
54	MG	DA	3052	1/1	0.88	0.09	42,42,42,42	0
54	MG	AA	1773	1/1	0.88	0.14	81,81,81,81	0
54	MG	BA	3039	1/1	0.88	0.17	58,58,58,58	0
54	MG	AA	2033	1/1	0.88	0.29	106,106,106,106	0
54	MG	D0	202	1/1	0.88	0.20	51,51,51,51	0
54	MG	BA	3228	1/1	0.88	0.17	83,83,83,83	0
54	MG	DA	3288	1/1	0.88	0.39	91,91,91,91	0
54	MG	CA	1961	1/1	0.88	0.21	78,78,78,78	0
54	MG	DA	3291	1/1	0.88	0.25	76,76,76,76	0
54	MG	AA	1664	1/1	0.88	0.33	69,69,69,69	0
54	MG	BK	201	1/1	0.88	0.11	68,68,68,68	0
54	MG	BA	3299	1/1	0.88	0.23	94,94,94,94	0
54	MG	B0	201	1/1	0.88	0.16	74,74,74,74	0
54	MG	DU	203	1/1	0.88	0.16	94,94,94,94	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
54	MG	BA	3230	1/1	0.88	0.10	67,67,67,67	0
54	MG	DA	3490	1/1	0.88	0.28	90,90,90,90	0
54	MG	DA	3491	1/1	0.88	0.47	102,102,102,102	0
54	MG	AA	1710	1/1	0.88	0.12	78,78,78,78	0
54	MG	AA	2042	1/1	0.88	0.10	66,66,66,66	0
54	MG	BA	3473	1/1	0.88	0.17	93,93,93,93	0
54	MG	BA	3387	1/1	0.88	0.12	67,67,67,67	0
54	MG	DA	3271	1/1	0.89	0.56	87,87,87,87	0
54	MG	DA	3037	1/1	0.89	0.25	58,58,58,58	0
54	MG	DA	3275	1/1	0.89	0.17	62,62,62,62	0
54	MG	AA	1736	1/1	0.89	0.16	53,53,53,53	0
54	MG	DA	3481	1/1	0.89	0.27	91,91,91,91	0
54	MG	AA	1666	1/1	0.89	0.27	95,95,95,95	0
54	MG	DA	3050	1/1	0.89	0.35	56,56,56,56	0
54	MG	DA	3283	1/1	0.89	0.10	81,81,81,81	0
54	MG	AA	1823	1/1	0.89	0.42	104,104,104,104	0
54	MG	BA	3114	1/1	0.89	0.18	67,67,67,67	0
54	MG	AA	1938	1/1	0.89	0.33	89,89,89,89	0
54	MG	AA	1870	1/1	0.89	0.09	92,92,92,92	0
54	MG	AA	1765	1/1	0.89	0.21	83,83,83,83	0
54	MG	CA	1698	1/1	0.89	0.22	101,101,101,101	0
54	MG	CA	1827	1/1	0.89	0.06	100,100,100,100	0
54	MG	DA	3502	1/1	0.89	0.38	112,112,112,112	0
54	MG	DA	3084	1/1	0.89	0.28	47,47,47,47	0
54	MG	BF	301	1/1	0.89	0.13	80,80,80,80	0
54	MG	CA	1702	1/1	0.89	0.20	71,71,71,71	0
54	MG	BA	3532	1/1	0.89	0.13	83,83,83,83	0
54	MG	BA	3364	1/1	0.89	0.12	77,77,77,77	0
54	MG	AD	101	1/1	0.89	0.26	85,85,85,85	0
54	MG	CA	1708	1/1	0.89	0.16	77,77,77,77	0
54	MG	AA	1846	1/1	0.89	0.43	97,97,97,97	0
54	MG	AA	1648	1/1	0.89	0.35	68,68,68,68	0
54	MG	BA	3216	1/1	0.89	0.21	86,86,86,86	0
54	MG	BA	3538	1/1	0.89	0.14	65,65,65,65	0
54	MG	DA	3318	1/1	0.89	0.46	87,87,87,87	0
54	MG	AA	1716	1/1	0.89	0.11	66,66,66,66	0
54	MG	DA	3730	1/1	0.89	0.16	79,79,79,79	0
54	MG	CA	1980	1/1	0.89	0.16	50,50,50,50	0
54	MG	DA	3734	1/1	0.89	0.19	69,69,69,69	0
54	MG	BA	3462	1/1	0.89	0.26	77,77,77,77	0
54	MG	CA	1724	1/1	0.89	0.18	66,66,66,66	0
54	MG	AA	1827	1/1	0.89	0.21	88,88,88,88	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
54	MG	AA	1957	1/1	0.89	0.15	82,82,82,82	0
54	MG	BA	3295	1/1	0.89	0.09	55,55,55,55	0
54	MG	AA	1881	1/1	0.89	0.16	77,77,77,77	0
54	MG	CA	1736	1/1	0.89	0.17	89,89,89,89	0
54	MG	AA	1802	1/1	0.89	0.23	98,98,98,98	0
54	MG	BA	3227	1/1	0.89	0.24	82,82,82,82	0
54	MG	DA	3753	1/1	0.89	0.32	92,92,92,92	0
54	MG	BA	3300	1/1	0.89	0.12	87,87,87,87	0
54	MG	BA	3139	1/1	0.89	0.09	40,40,40,40	0
54	MG	BA	3143	1/1	0.89	0.32	74,74,74,74	0
54	MG	BA	3477	1/1	0.89	0.12	60,60,60,60	0
54	MG	BA	3144	1/1	0.89	0.14	68,68,68,68	0
54	MG	DA	3359	1/1	0.89	0.31	70,70,70,70	0
54	MG	AA	1728	1/1	0.89	0.21	77,77,77,77	0
54	MG	DA	3363	1/1	0.89	0.35	113,113,113,113	0
54	MG	CA	1601	1/1	0.89	0.22	50,50,50,50	0
54	MG	CA	1886	1/1	0.89	0.20	120,120,120,120	0
54	MG	DA	3370	1/1	0.89	0.38	79,79,79,79	0
54	MG	BA	3318	1/1	0.89	0.18	76,76,76,76	0
54	MG	CA	1609	1/1	0.89	0.33	54,54,54,54	0
54	MG	AA	1617	1/1	0.89	0.41	77,77,77,77	0
54	MG	CA	1758	1/1	0.89	0.08	90,90,90,90	0
54	MG	AA	1604	1/1	0.89	0.27	53,53,53,53	0
54	MG	BA	3065	1/1	0.89	0.18	51,51,51,51	0
54	MG	CA	1630	1/1	0.89	0.30	59,59,59,59	0
54	MG	DA	3186	1/1	0.89	0.11	23,23,23,23	0
54	MG	CA	1762	1/1	0.89	0.24	110,110,110,110	0
54	MG	AA	1735	1/1	0.89	0.41	108,108,108,108	0
54	MG	AA	1893	1/1	0.89	0.14	95,95,95,95	0
54	MG	CA	1769	1/1	0.89	0.18	81,81,81,81	0
54	MG	AA	1784	1/1	0.89	0.05	76,76,76,76	0
54	MG	BA	3403	1/1	0.89	0.22	89,89,89,89	0
54	MG	DA	3199	1/1	0.89	0.12	39,39,39,39	0
54	MG	DA	3399	1/1	0.89	0.28	86,86,86,86	0
54	MG	DA	3202	1/1	0.89	0.17	49,49,49,49	0
54	MG	DA	3606	1/1	0.89	0.23	72,72,72,72	0
54	MG	DA	3402	1/1	0.89	0.11	70,70,70,70	0
54	MG	CD	113	1/1	0.89	0.14	80,80,80,80	0
54	MG	DA	3803	1/1	0.89	0.05	99,99,99,99	0
54	MG	CA	1774	1/1	0.89	0.17	66,66,66,66	0
54	MG	DA	3206	1/1	0.89	0.33	59,59,59,59	0
54	MG	DB	203	1/1	0.89	0.35	67,67,67,67	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
54	MG	DA	3612	1/1	0.89	0.15	99,99,99,99	0
54	MG	DA	3208	1/1	0.89	0.19	57,57,57,57	0
54	MG	BA	3407	1/1	0.89	0.34	106,106,106,106	0
54	MG	DA	3616	1/1	0.89	0.15	59,59,59,59	0
54	MG	DA	3213	1/1	0.89	0.20	40,40,40,40	0
54	MG	BA	3410	1/1	0.89	0.11	82,82,82,82	0
54	MG	DA	3218	1/1	0.89	0.33	61,61,61,61	0
54	MG	BA	3164	1/1	0.89	0.08	70,70,70,70	0
54	MG	DB	221	1/1	0.89	0.24	94,94,94,94	0
54	MG	BA	3071	1/1	0.89	0.19	74,74,74,74	0
54	MG	DA	3626	1/1	0.89	0.49	109,109,109,109	0
54	MG	CD	119	1/1	0.89	0.05	95,95,95,95	0
54	MG	DB	228	1/1	0.89	0.38	116,116,116,116	0
54	MG	BA	3074	1/1	0.89	0.22	41,41,41,41	0
54	MG	CA	1658	1/1	0.89	0.28	76,76,76,76	0
54	MG	AS	101	1/1	0.89	0.35	84,84,84,84	0
54	MG	DA	3632	1/1	0.89	0.07	73,73,73,73	0
54	MG	DA	3231	1/1	0.89	0.40	78,78,78,78	0
54	MG	AA	1814	1/1	0.89	0.20	63,63,63,63	0
54	MG	DA	3641	1/1	0.89	0.22	76,76,76,76	0
54	MG	DA	3236	1/1	0.89	0.32	60,60,60,60	0
54	MG	CA	1664	1/1	0.89	0.17	87,87,87,87	0
54	MG	BA	3181	1/1	0.89	0.30	97,97,97,97	0
54	MG	CA	1800	1/1	0.89	0.15	97,97,97,97	0
54	MG	CA	1801	1/1	0.89	0.27	88,88,88,88	0
54	MG	DA	3247	1/1	0.89	0.14	45,45,45,45	0
54	MG	DA	2992	1/1	0.89	0.26	43,43,43,43	0
54	MG	DA	3453	1/1	0.89	0.43	81,81,81,81	0
54	MG	DA	3454	1/1	0.89	0.36	69,69,69,69	0
54	MG	DA	3252	1/1	0.89	0.28	65,65,65,65	0
54	MG	DA	3457	1/1	0.89	0.14	74,74,74,74	0
54	MG	DA	2996	1/1	0.89	0.32	40,40,40,40	0
54	MG	CA	1673	1/1	0.89	0.19	63,63,63,63	0
54	MG	BA	3183	1/1	0.89	0.11	80,80,80,80	0
54	MG	AA	1933	1/1	0.89	0.35	98,98,98,98	0
54	MG	DA	3669	1/1	0.89	0.19	70,70,70,70	0
54	MG	BA	3309	1/1	0.90	0.11	61,61,61,61	0
54	MG	AS	102	1/1	0.90	0.22	90,90,90,90	0
54	MG	CA	1805	1/1	0.90	0.07	89,89,89,89	0
54	MG	AA	2023	1/1	0.90	0.06	112,112,112,112	0
54	MG	CA	1810	1/1	0.90	0.16	92,92,92,92	0
54	MG	AA	1619	1/1	0.90	0.41	55,55,55,55	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
54	MG	DA	3367	1/1	0.90	0.06	60,60,60,60	0
54	MG	AA	1922	1/1	0.90	0.27	94,94,94,94	0
54	MG	CA	1712	1/1	0.90	0.11	65,65,65,65	0
54	MG	DA	3718	1/1	0.90	0.23	88,88,88,88	0
54	MG	AA	1834	1/1	0.90	0.49	183,183,183,183	0
54	MG	BA	3173	1/1	0.90	0.10	68,68,68,68	0
54	MG	CA	1818	1/1	0.90	0.26	92,92,92,92	0
54	MG	BA	3560	1/1	0.90	0.18	48,48,48,48	0
54	MG	DA	2925	1/1	0.90	0.41	38,38,38,38	0
54	MG	DA	2955	1/1	0.90	0.32	39,39,39,39	0
54	MG	CA	1945	1/1	0.90	0.09	77,77,77,77	0
54	MG	BA	3247	1/1	0.90	0.17	63,63,63,63	0
54	MG	DA	3383	1/1	0.90	0.16	32,32,32,32	0
54	MG	DA	2988	1/1	0.90	0.24	42,42,42,42	0
54	MG	BA	3089	1/1	0.90	0.32	74,74,74,74	0
54	MG	CA	1825	1/1	0.90	0.08	106,106,106,106	0
54	MG	AA	1991	1/1	0.90	0.07	70,70,70,70	0
54	MG	BA	3100	1/1	0.90	0.15	70,70,70,70	0
54	MG	CA	1726	1/1	0.90	0.14	54,54,54,54	0
54	MG	DA	3578	1/1	0.90	0.23	89,89,89,89	0
54	MG	AA	1896	1/1	0.90	0.28	93,93,93,93	0
54	MG	DA	3019	1/1	0.90	0.26	68,68,68,68	0
54	MG	DA	3024	1/1	0.90	0.10	39,39,39,39	0
54	MG	BA	3010	1/1	0.90	0.27	55,55,55,55	0
54	MG	BA	3404	1/1	0.90	0.07	82,82,82,82	0
54	MG	AC	103	1/1	0.90	0.10	86,86,86,86	0
54	MG	BA	3409	1/1	0.90	0.16	100,100,100,100	0
54	MG	DA	3593	1/1	0.90	0.16	97,97,97,97	0
54	MG	DA	3769	1/1	0.90	0.21	73,73,73,73	0
54	MG	AA	1928	1/1	0.90	0.35	117,117,117,117	0
54	MG	DA	3595	1/1	0.90	0.11	80,80,80,80	0
54	MG	CA	1623	1/1	0.90	0.40	71,71,71,71	0
54	MG	DA	3060	1/1	0.90	0.13	57,57,57,57	0
54	MG	BA	3263	1/1	0.90	0.24	65,65,65,65	0
54	MG	DA	3065	1/1	0.90	0.08	46,46,46,46	0
54	MG	DA	3776	1/1	0.90	0.12	71,71,71,71	0
54	MG	DA	3419	1/1	0.90	0.49	92,92,92,92	0
54	MG	AA	1997	1/1	0.90	0.30	108,108,108,108	0
54	MG	AA	1608	1/1	0.90	0.42	67,67,67,67	0
54	MG	AA	1751	1/1	0.90	0.21	73,73,73,73	0
54	MG	DA	3262	1/1	0.90	0.20	84,84,84,84	0
54	MG	CA	1854	1/1	0.90	0.27	79,79,79,79	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
54	MG	BA	3033	1/1	0.90	0.19	45,45,45,45	0
54	MG	CA	1973	1/1	0.90	0.10	116,116,116,116	0
54	MG	DA	3274	1/1	0.90	0.20	82,82,82,82	0
54	MG	CA	1974	1/1	0.90	0.09	88,88,88,88	0
54	MG	AA	1877	1/1	0.90	0.30	80,80,80,80	0
54	MG	A1	101	1/1	0.90	0.11	102,102,102,102	0
54	MG	CA	1864	1/1	0.90	0.30	90,90,90,90	0
54	MG	AA	1964	1/1	0.90	0.43	103,103,103,103	0
54	MG	BA	3353	1/1	0.90	0.20	75,75,75,75	0
54	MG	BB	211	1/1	0.90	0.14	80,80,80,80	0
54	MG	CA	1870	1/1	0.90	0.20	69,69,69,69	0
54	MG	DA	3289	1/1	0.90	0.24	63,63,63,63	0
54	MG	AA	1731	1/1	0.90	0.30	63,63,63,63	0
54	MG	CK	201	1/1	0.90	0.24	90,90,90,90	0
54	MG	DA	3464	1/1	0.90	0.49	93,93,93,93	0
54	MG	BB	214	1/1	0.90	0.26	91,91,91,91	0
54	MG	DA	3116	1/1	0.90	0.46	93,93,93,93	0
54	MG	DB	206	1/1	0.90	0.17	57,57,57,57	0
54	MG	DB	207	1/1	0.90	0.17	99,99,99,99	0
54	MG	BA	3436	1/1	0.90	0.18	66,66,66,66	0
54	MG	BA	3209	1/1	0.90	0.18	58,58,58,58	0
54	MG	BA	2905	1/1	0.90	0.08	136,136,136,136	0
54	MG	DA	3473	1/1	0.90	0.33	87,87,87,87	0
54	MG	DA	3474	1/1	0.90	0.49	89,89,89,89	0
54	MG	BA	3131	1/1	0.90	0.32	76,76,76,76	0
54	MG	BA	3440	1/1	0.90	0.15	100,100,100,100	0
54	MG	DA	3305	1/1	0.90	0.11	63,63,63,63	0
54	MG	AA	1706	1/1	0.90	0.34	143,143,143,143	0
54	MG	AA	1637	1/1	0.90	0.51	82,82,82,82	0
54	MG	BA	3220	1/1	0.90	0.16	59,59,59,59	0
54	MG	AA	1781	1/1	0.90	0.36	98,98,98,98	0
54	MG	CA	1683	1/1	0.90	0.21	70,70,70,70	0
54	MG	CA	1777	1/1	0.90	0.20	71,71,71,71	0
54	MG	AA	1724	1/1	0.90	0.43	82,82,82,82	0
54	MG	CA	1687	1/1	0.90	0.09	76,76,76,76	0
54	MG	AA	1638	1/1	0.90	0.24	61,61,61,61	0
54	MG	DA	3322	1/1	0.90	0.30	79,79,79,79	0
54	MG	DA	3498	1/1	0.90	0.17	107,107,107,107	0
54	MG	CA	1784	1/1	0.90	0.31	85,85,85,85	0
54	MG	CA	1786	1/1	0.90	0.20	86,86,86,86	0
54	MG	BA	3147	1/1	0.90	0.38	83,83,83,83	0
54	MG	CA	1907	1/1	0.90	0.09	83,83,83,83	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
54	MG	AA	1886	1/1	0.90	0.25	102,102,102,102	0
54	MG	DA	3169	1/1	0.90	0.35	59,59,59,59	0
54	MG	DA	3338	1/1	0.90	0.16	52,52,52,52	0
54	MG	DA	3339	1/1	0.90	0.29	67,67,67,67	0
54	MG	DA	3172	1/1	0.90	0.19	53,53,53,53	0
54	MG	AA	1848	1/1	0.90	0.12	70,70,70,70	0
54	MG	CA	1696	1/1	0.90	0.22	84,84,84,84	0
54	MG	DA	3350	1/1	0.90	0.33	109,109,109,109	0
54	MG	DA	3691	1/1	0.90	0.29	82,82,82,82	0
54	MG	AA	1691	1/1	0.90	0.27	62,62,62,62	0
54	MG	BA	3301	1/1	0.90	0.23	92,92,92,92	0
54	MG	BA	3302	1/1	0.90	0.07	61,61,61,61	0
54	MG	BA	3054	1/1	0.91	0.15	66,66,66,66	0
54	MG	BA	3145	1/1	0.91	0.18	74,74,74,74	0
54	MG	BA	3408	1/1	0.91	0.08	75,75,75,75	0
54	MG	BA	3323	1/1	0.91	0.10	58,58,58,58	0
54	MG	AA	1782	1/1	0.91	0.24	106,106,106,106	0
54	MG	BA	3411	1/1	0.91	0.15	71,71,71,71	0
54	MG	DA	3075	1/1	0.91	0.13	43,43,43,43	0
54	MG	AA	1995	1/1	0.91	0.20	142,142,142,142	0
54	MG	DA	3483	1/1	0.91	0.14	66,66,66,66	0
54	MG	DA	3292	1/1	0.91	0.22	83,83,83,83	0
54	MG	BA	3331	1/1	0.91	0.27	80,80,80,80	0
54	MG	BA	3415	1/1	0.91	0.22	89,89,89,89	0
54	MG	DA	3489	1/1	0.91	0.52	79,79,79,79	0
54	MG	DA	3687	1/1	0.91	0.23	78,78,78,78	0
54	MG	AA	1890	1/1	0.91	0.10	72,72,72,72	0
54	MG	DA	3087	1/1	0.91	0.23	41,41,41,41	0
54	MG	CA	1721	1/1	0.91	0.18	60,60,60,60	0
54	MG	AA	1867	1/1	0.91	0.36	85,85,85,85	0
54	MG	DA	3692	1/1	0.91	0.11	60,60,60,60	0
54	MG	DA	3494	1/1	0.91	0.11	110,110,110,110	0
54	MG	DA	3094	1/1	0.91	0.22	49,49,49,49	0
54	MG	AA	1829	1/1	0.91	0.19	109,109,109,109	0
54	MG	DA	3700	1/1	0.91	0.14	75,75,75,75	0
54	MG	CA	1842	1/1	0.91	0.09	112,112,112,112	0
54	MG	DA	3500	1/1	0.91	0.12	60,60,60,60	0
54	MG	BA	3339	1/1	0.91	0.07	74,74,74,74	0
54	MG	DA	3311	1/1	0.91	0.31	100,100,100,100	0
54	MG	AA	1894	1/1	0.91	0.42	103,103,103,103	0
54	MG	AA	1746	1/1	0.91	0.24	81,81,81,81	0
54	MG	AA	2006	1/1	0.91	0.09	86,86,86,86	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
54	MG	DA	3112	1/1	0.91	0.19	55,55,55,55	0
54	MG	CA	1978	1/1	0.91	0.19	73,73,73,73	0
54	MG	AA	1747	1/1	0.91	0.29	89,89,89,89	0
54	MG	AA	2008	1/1	0.91	0.10	69,69,69,69	0
54	MG	BA	3168	1/1	0.91	0.18	65,65,65,65	0
54	MG	DA	3520	1/1	0.91	0.22	90,90,90,90	0
54	MG	DA	3724	1/1	0.91	0.37	106,106,106,106	0
54	MG	CA	1738	1/1	0.91	0.16	88,88,88,88	0
54	MG	BA	2922	1/1	0.91	0.20	46,46,46,46	0
54	MG	CH	202	1/1	0.91	0.17	72,72,72,72	0
54	MG	DA	3528	1/1	0.91	0.37	80,80,80,80	0
54	MG	BA	3174	1/1	0.91	0.29	90,90,90,90	0
54	MG	DA	3331	1/1	0.91	0.14	70,70,70,70	0
54	MG	DA	3739	1/1	0.91	0.17	127,127,127,127	0
54	MG	BA	3543	1/1	0.91	0.09	72,72,72,72	0
54	MG	AA	1651	1/1	0.91	0.33	60,60,60,60	0
54	MG	CA	1747	1/1	0.91	0.33	93,93,93,93	0
54	MG	DA	3745	1/1	0.91	0.21	95,95,95,95	0
54	MG	DA	3746	1/1	0.91	0.09	64,64,64,64	0
54	MG	AA	1898	1/1	0.91	0.18	102,102,102,102	0
54	MG	DA	3345	1/1	0.91	0.29	80,80,80,80	0
54	MG	DA	3137	1/1	0.91	0.15	51,51,51,51	0
54	MG	BA	2982	1/1	0.91	0.34	61,61,61,61	0
54	MG	DA	3543	1/1	0.91	0.18	96,96,96,96	0
54	MG	AA	1966	1/1	0.91	0.24	85,85,85,85	0
54	MG	DA	3145	1/1	0.91	0.32	64,64,64,64	0
54	MG	DA	3758	1/1	0.91	0.10	65,65,65,65	0
54	MG	CA	1604	1/1	0.91	0.27	66,66,66,66	0
54	MG	CA	1877	1/1	0.91	0.21	62,62,62,62	0
54	MG	DA	3763	1/1	0.91	0.14	71,71,71,71	0
54	MG	BA	3091	1/1	0.91	0.16	59,59,59,59	0
54	MG	CT	201	1/1	0.91	0.21	76,76,76,76	0
54	MG	DA	3766	1/1	0.91	0.16	81,81,81,81	0
54	MG	CW	203	1/1	0.91	0.13	111,111,111,111	0
54	MG	BA	3551	1/1	0.91	0.10	98,98,98,98	0
54	MG	DA	3556	1/1	0.91	0.28	183,183,183,183	0
54	MG	AA	1816	1/1	0.91	0.26	107,107,107,107	0
54	MG	CC	101	1/1	0.91	0.08	70,70,70,70	0
54	MG	BA	3451	1/1	0.91	0.16	64,64,64,64	0
54	MG	CA	1756	1/1	0.91	0.09	57,57,57,57	0
54	MG	CC	104	1/1	0.91	0.10	65,65,65,65	0
54	MG	BA	3452	1/1	0.91	0.15	57,57,57,57	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
54	MG	BA	3094	1/1	0.91	0.14	84,84,84,84	0
54	MG	BA	3189	1/1	0.91	0.28	76,76,76,76	0
54	MG	DA	3375	1/1	0.91	0.09	57,57,57,57	0
54	MG	BA	3099	1/1	0.91	0.05	42,42,42,42	0
54	MG	CA	1889	1/1	0.91	0.25	89,89,89,89	0
54	MG	CA	1892	1/1	0.91	0.07	99,99,99,99	0
54	MG	BA	3564	1/1	0.91	0.07	77,77,77,77	0
54	MG	BA	3367	1/1	0.91	0.27	111,111,111,111	0
54	MG	AA	1772	1/1	0.91	0.28	71,71,71,71	0
54	MG	DA	3792	1/1	0.91	0.22	157,157,157,157	0
54	MG	AA	1797	1/1	0.91	0.18	75,75,75,75	0
54	MG	AA	2017	1/1	0.91	0.15	92,92,92,92	0
54	MG	AA	1935	1/1	0.91	0.21	94,94,94,94	0
54	MG	AA	1702	1/1	0.91	0.20	71,71,71,71	0
54	MG	CA	1649	1/1	0.91	0.45	86,86,86,86	0
54	MG	DA	3596	1/1	0.91	0.28	110,110,110,110	0
54	MG	DA	3392	1/1	0.91	0.15	66,66,66,66	0
54	MG	CA	1650	1/1	0.91	0.13	52,52,52,52	0
54	MG	CA	1910	1/1	0.91	0.21	130,130,130,130	0
54	MG	BA	3012	1/1	0.91	0.16	56,56,56,56	0
54	MG	AA	1694	1/1	0.91	0.27	66,66,66,66	0
54	MG	CA	1916	1/1	0.91	0.17	114,114,114,114	0
54	MG	DA	3212	1/1	0.91	0.16	113,113,113,113	0
54	MG	BA	3017	1/1	0.91	0.16	48,48,48,48	0
54	MG	CD	120	1/1	0.91	0.09	110,110,110,110	0
54	MG	CA	1662	1/1	0.91	0.18	61,61,61,61	0
54	MG	AA	1632	1/1	0.91	0.21	72,72,72,72	0
54	MG	BA	3383	1/1	0.91	0.17	63,63,63,63	0
54	MG	AA	1709	1/1	0.91	0.34	130,130,130,130	0
54	MG	DA	3415	1/1	0.91	0.24	77,77,77,77	0
54	MG	CA	1792	1/1	0.91	0.30	84,84,84,84	0
54	MG	AC	104	1/1	0.91	0.09	85,85,85,85	0
54	MG	DA	2972	1/1	0.91	0.30	41,41,41,41	0
54	MG	AA	2025	1/1	0.91	0.35	71,71,71,71	0
54	MG	CA	1927	1/1	0.91	0.27	86,86,86,86	0
54	MG	DA	2984	1/1	0.91	0.40	46,46,46,46	0
54	MG	BA	3127	1/1	0.91	0.29	64,64,64,64	0
54	MG	CA	1930	1/1	0.91	0.19	96,96,96,96	0
54	MG	AA	1743	1/1	0.91	0.08	75,75,75,75	0
54	MG	DE	302	1/1	0.91	0.10	51,51,51,51	0
54	MG	BA	3306	1/1	0.91	0.50	105,105,105,105	0
54	MG	DG	201	1/1	0.91	0.17	76,76,76,76	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
54	MG	BA	3034	1/1	0.91	0.19	61,61,61,61	0
54	MG	DA	3006	1/1	0.91	0.29	51,51,51,51	0
54	MG	DH	204	1/1	0.91	0.22	77,77,77,77	0
54	MG	DA	3634	1/1	0.91	0.44	63,63,63,63	0
54	MG	AA	1948	1/1	0.91	0.08	82,82,82,82	0
54	MG	BA	3136	1/1	0.91	0.38	111,111,111,111	0
54	MG	BA	3395	1/1	0.91	0.07	60,60,60,60	0
54	MG	DA	3022	1/1	0.91	0.25	36,36,36,36	0
54	MG	CA	1691	1/1	0.91	0.16	56,56,56,56	0
54	MG	DA	3263	1/1	0.91	0.37	78,78,78,78	0
54	MG	AA	1987	1/1	0.91	0.10	86,86,86,86	0
54	MG	DA	3268	1/1	0.91	0.46	73,73,73,73	0
54	MG	DA	3649	1/1	0.91	0.16	62,62,62,62	0
54	MG	DA	3650	1/1	0.91	0.15	76,76,76,76	0
54	MG	DA	3034	1/1	0.91	0.28	75,75,75,75	0
54	MG	BA	3399	1/1	0.91	0.12	82,82,82,82	0
54	MG	DA	3462	1/1	0.91	0.25	80,80,80,80	0
54	MG	AA	1885	1/1	0.91	0.15	113,113,113,113	0
54	MG	AA	1865	1/1	0.91	0.53	140,140,140,140	0
54	MG	DA	3466	1/1	0.91	0.33	85,85,85,85	0
54	MG	D7	101	1/1	0.91	0.16	55,55,55,55	0
54	MG	BA	3231	1/1	0.91	0.12	68,68,68,68	0
54	MG	BD	302	1/1	0.91	0.11	69,69,69,69	0
54	MG	BA	3073	1/1	0.92	0.29	71,71,71,71	0
54	MG	BA	3548	1/1	0.92	0.20	81,81,81,81	0
54	MG	DA	3035	1/1	0.92	0.26	55,55,55,55	0
54	MG	BA	3222	1/1	0.92	0.31	88,88,88,88	0
54	MG	CH	201	1/1	0.92	0.16	82,82,82,82	0
54	MG	DA	3044	1/1	0.92	0.17	61,61,61,61	0
54	MG	DA	3717	1/1	0.92	0.22	88,88,88,88	0
54	MG	BA	3021	1/1	0.92	0.13	35,35,35,35	0
54	MG	DA	3223	1/1	0.92	0.16	64,64,64,64	0
54	MG	AA	1690	1/1	0.92	0.12	91,91,91,91	0
54	MG	CK	202	1/1	0.92	0.12	87,87,87,87	0
54	MG	DA	3056	1/1	0.92	0.32	71,71,71,71	0
54	MG	AA	1749	1/1	0.92	0.28	72,72,72,72	0
54	MG	BA	3279	1/1	0.92	0.27	85,85,85,85	0
54	MG	DA	3064	1/1	0.92	0.31	72,72,72,72	0
54	MG	BA	3406	1/1	0.92	0.10	68,68,68,68	0
54	MG	DA	3067	1/1	0.92	0.29	47,47,47,47	0
54	MG	DA	3736	1/1	0.92	0.14	76,76,76,76	0
54	MG	AL	201	1/1	0.92	0.15	79,79,79,79	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
54	MG	BA	3087	1/1	0.92	0.20	72,72,72,72	0
54	MG	CQ	101	1/1	0.92	0.06	71,71,71,71	0
54	MG	DA	3240	1/1	0.92	0.18	58,58,58,58	0
54	MG	DA	3403	1/1	0.92	0.23	69,69,69,69	0
54	MG	DA	3744	1/1	0.92	0.15	68,68,68,68	0
54	MG	CA	1804	1/1	0.92	0.17	79,79,79,79	0
54	MG	DA	3571	1/1	0.92	0.24	81,81,81,81	0
54	MG	DA	3076	1/1	0.92	0.19	38,38,38,38	0
54	MG	CA	1906	1/1	0.92	0.13	107,107,107,107	0
54	MG	DA	3080	1/1	0.92	0.08	23,23,23,23	0
54	MG	DA	3411	1/1	0.92	0.29	86,86,86,86	0
54	MG	BA	2975	1/1	0.92	0.20	40,40,40,40	0
54	MG	DA	3258	1/1	0.92	0.11	76,76,76,76	0
54	MG	BA	3485	1/1	0.92	0.16	69,69,69,69	0
54	MG	BA	3284	1/1	0.92	0.14	74,74,74,74	0
54	MG	BA	3352	1/1	0.92	0.13	112,112,112,112	0
54	MG	AA	1926	1/1	0.92	0.16	102,102,102,102	0
54	MG	DA	3762	1/1	0.92	0.14	119,119,119,119	0
54	MG	DA	3264	1/1	0.92	0.37	73,73,73,73	0
54	MG	BA	3492	1/1	0.92	0.07	86,86,86,86	0
54	MG	DA	3092	1/1	0.92	0.16	39,39,39,39	0
54	MG	BA	3289	1/1	0.92	0.25	71,71,71,71	0
54	MG	DA	3097	1/1	0.92	0.31	63,63,63,63	0
54	MG	DA	3599	1/1	0.92	0.47	80,80,80,80	0
54	MG	BA	3186	1/1	0.92	0.14	83,83,83,83	0
54	MG	CA	1621	1/1	0.92	0.21	49,49,49,49	0
54	MG	DA	3100	1/1	0.92	0.11	62,62,62,62	0
54	MG	BA	3498	1/1	0.92	0.21	59,59,59,59	0
54	MG	BA	3233	1/1	0.92	0.13	84,84,84,84	0
54	MG	CA	1822	1/1	0.92	0.12	92,92,92,92	0
54	MG	BA	3500	1/1	0.92	0.07	64,64,64,64	0
54	MG	BA	3235	1/1	0.92	0.10	59,59,59,59	0
54	MG	DA	3448	1/1	0.92	0.38	103,103,103,103	0
54	MG	BA	3363	1/1	0.92	0.16	79,79,79,79	0
54	MG	BA	3237	1/1	0.92	0.13	82,82,82,82	0
54	MG	BA	3238	1/1	0.92	0.24	85,85,85,85	0
54	MG	CA	1931	1/1	0.92	0.20	84,84,84,84	0
54	MG	BA	3427	1/1	0.92	0.07	80,80,80,80	0
54	MG	DA	3619	1/1	0.92	0.12	52,52,52,52	0
54	MG	DA	3456	1/1	0.92	0.45	92,92,92,92	0
54	MG	BB	205	1/1	0.92	0.16	74,74,74,74	0
54	MG	CA	1834	1/1	0.92	0.27	103,103,103,103	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
54	MG	AA	1847	1/1	0.92	0.18	91,91,91,91	0
54	MG	CA	1644	1/1	0.92	0.20	52,52,52,52	0
54	MG	DA	3298	1/1	0.92	0.23	70,70,70,70	0
54	MG	AA	1860	1/1	0.92	0.28	93,93,93,93	0
54	MG	BA	3511	1/1	0.92	0.10	140,140,140,140	0
54	MG	BA	3194	1/1	0.92	0.25	87,87,87,87	0
54	MG	BA	3095	1/1	0.92	0.16	52,52,52,52	0
54	MG	AA	1609	1/1	0.92	0.40	71,71,71,71	0
54	MG	AA	1769	1/1	0.92	0.22	80,80,80,80	0
54	MG	DA	3144	1/1	0.92	0.15	43,43,43,43	0
54	MG	CA	1660	1/1	0.92	0.25	74,74,74,74	0
54	MG	DB	202	1/1	0.92	0.09	87,87,87,87	0
54	MG	AA	1951	1/1	0.92	0.18	79,79,79,79	0
54	MG	DA	3315	1/1	0.92	0.40	81,81,81,81	0
54	MG	CA	1757	1/1	0.92	0.12	79,79,79,79	0
54	MG	DA	3156	1/1	0.92	0.56	95,95,95,95	0
54	MG	DB	209	1/1	0.92	0.43	81,81,81,81	0
54	MG	DA	3486	1/1	0.92	0.18	90,90,90,90	0
54	MG	BA	3203	1/1	0.92	0.21	64,64,64,64	0
54	MG	DA	3161	1/1	0.92	0.29	60,60,60,60	0
54	MG	BA	3442	1/1	0.92	0.06	89,89,89,89	0
54	MG	BA	3250	1/1	0.92	0.29	93,93,93,93	0
54	MG	AA	1611	1/1	0.92	0.34	63,63,63,63	0
54	MG	BA	3060	1/1	0.92	0.09	35,35,35,35	0
54	MG	DA	2963	1/1	0.92	0.35	45,45,45,45	0
54	MG	AA	1631	1/1	0.92	0.29	60,60,60,60	0
54	MG	DA	3171	1/1	0.92	0.16	45,45,45,45	0
54	MG	DA	3662	1/1	0.92	0.29	78,78,78,78	0
54	MG	BA	3384	1/1	0.92	0.13	76,76,76,76	0
54	MG	DA	3173	1/1	0.92	0.11	57,57,57,57	0
54	MG	DA	3499	1/1	0.92	0.30	87,87,87,87	0
54	MG	DA	3176	1/1	0.92	0.31	57,57,57,57	0
54	MG	BA	3208	1/1	0.92	0.16	68,68,68,68	0
54	MG	CA	1871	1/1	0.92	0.08	73,73,73,73	0
54	MG	DA	3503	1/1	0.92	0.18	74,74,74,74	0
54	MG	AA	1602	1/1	0.92	0.26	53,53,53,53	0
54	MG	AA	1671	1/1	0.92	0.16	66,66,66,66	0
54	MG	BA	3215	1/1	0.92	0.16	58,58,58,58	0
54	MG	AA	2003	1/1	0.92	0.15	128,128,128,128	0
54	MG	DA	2993	1/1	0.92	0.40	57,57,57,57	0
54	MG	AH	202	1/1	0.92	0.06	80,80,80,80	0
54	MG	DA	3004	1/1	0.92	0.29	52,52,52,52	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
54	MG	DA	3005	1/1	0.92	0.43	69,69,69,69	0
54	MG	CA	1779	1/1	0.92	0.20	104,104,104,104	0
54	MG	DA	3194	1/1	0.92	0.29	65,65,65,65	0
54	MG	DA	3525	1/1	0.92	0.24	78,78,78,78	0
54	MG	AC	102	1/1	0.92	0.35	85,85,85,85	0
54	MG	DA	3014	1/1	0.92	0.44	68,68,68,68	0
54	MG	DA	3693	1/1	0.92	0.21	56,56,56,56	0
54	MG	BA	3271	1/1	0.92	0.11	59,59,59,59	0
54	MG	DA	3366	1/1	0.92	0.14	50,50,50,50	0
54	MG	CA	1694	1/1	0.92	0.20	55,55,55,55	0
54	MG	DA	3020	1/1	0.92	0.28	58,58,58,58	0
54	MG	BA	3336	1/1	0.92	0.20	88,88,88,88	0
54	MG	DA	3535	1/1	0.92	0.26	79,79,79,79	0
54	MG	AA	1673	1/1	0.92	0.09	91,91,91,91	0
54	MG	CA	1979	1/1	0.93	0.13	104,104,104,104	0
54	MG	CA	1729	1/1	0.93	0.15	61,61,61,61	0
54	MG	BA	3392	1/1	0.93	0.11	70,70,70,70	0
54	MG	DA	3079	1/1	0.93	0.37	59,59,59,59	0
54	MG	CA	1982	1/1	0.93	0.06	80,80,80,80	0
54	MG	BA	3469	1/1	0.93	0.22	70,70,70,70	0
54	MG	DA	3083	1/1	0.93	0.18	56,56,56,56	0
54	MG	BA	3005	1/1	0.93	0.28	70,70,70,70	0
54	MG	BA	3070	1/1	0.93	0.19	53,53,53,53	0
54	MG	CA	1855	1/1	0.93	0.17	99,99,99,99	0
54	MG	DA	3683	1/1	0.93	0.25	100,100,100,100	0
54	MG	CA	1858	1/1	0.93	0.26	109,109,109,109	0
54	MG	DA	3090	1/1	0.93	0.13	43,43,43,43	0
54	MG	BA	3552	1/1	0.93	0.13	76,76,76,76	0
54	MG	AA	1783	1/1	0.93	0.39	90,90,90,90	0
54	MG	DA	3093	1/1	0.93	0.33	53,53,53,53	0
54	MG	CA	1605	1/1	0.93	0.18	39,39,39,39	0
54	MG	DA	3095	1/1	0.93	0.15	46,46,46,46	0
54	MG	AA	1801	1/1	0.93	0.47	94,94,94,94	0
54	MG	BA	3475	1/1	0.93	0.11	73,73,73,73	0
54	MG	DA	3297	1/1	0.93	0.25	54,54,54,54	0
54	MG	BA	3397	1/1	0.93	0.16	47,47,47,47	0
54	MG	DA	3698	1/1	0.93	0.32	89,89,89,89	0
54	MG	CA	1614	1/1	0.93	0.10	67,67,67,67	0
54	MG	DA	3302	1/1	0.93	0.30	76,76,76,76	0
54	MG	BA	3268	1/1	0.93	0.33	87,87,87,87	0
54	MG	BA	3210	1/1	0.93	0.05	54,54,54,54	0
54	MG	AA	1684	1/1	0.93	0.24	74,74,74,74	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
54	MG	CA	1627	1/1	0.93	0.28	50,50,50,50	0
54	MG	BA	3213	1/1	0.93	0.10	61,61,61,61	0
54	MG	DA	3504	1/1	0.93	0.09	81,81,81,81	0
54	MG	BA	3013	1/1	0.93	0.22	60,60,60,60	0
54	MG	BA	3078	1/1	0.93	0.23	57,57,57,57	0
54	MG	CA	1632	1/1	0.93	0.28	62,62,62,62	0
54	MG	BA	3486	1/1	0.93	0.24	90,90,90,90	0
54	MG	BA	3488	1/1	0.93	0.24	96,96,96,96	0
54	MG	AA	1820	1/1	0.93	0.13	98,98,98,98	0
54	MG	DA	3516	1/1	0.93	0.18	99,99,99,99	0
54	MG	DA	3517	1/1	0.93	0.18	81,81,81,81	0
54	MG	BA	3016	1/1	0.93	0.23	63,63,63,63	0
54	MG	DA	3725	1/1	0.93	0.24	132,132,132,132	0
54	MG	BA	3086	1/1	0.93	0.22	50,50,50,50	0
54	MG	DA	3728	1/1	0.93	0.51	123,123,123,123	0
54	MG	AA	1760	1/1	0.93	0.37	91,91,91,91	0
54	MG	BA	3350	1/1	0.93	0.15	63,63,63,63	0
54	MG	CA	1764	1/1	0.93	0.11	83,83,83,83	0
54	MG	AA	1839	1/1	0.93	0.09	91,91,91,91	0
54	MG	CA	1767	1/1	0.93	0.23	68,68,68,68	0
54	MG	CA	1648	1/1	0.93	0.37	79,79,79,79	0
54	MG	AA	1793	1/1	0.93	0.13	73,73,73,73	0
54	MG	DA	3332	1/1	0.93	0.26	67,67,67,67	0
54	MG	CA	1772	1/1	0.93	0.20	82,82,82,82	0
54	MG	AA	1869	1/1	0.93	0.10	83,83,83,83	0
54	MG	DA	3337	1/1	0.93	0.15	59,59,59,59	0
54	MG	DA	3146	1/1	0.93	0.15	54,54,54,54	0
54	MG	AA	1733	1/1	0.93	0.21	102,102,102,102	0
54	MG	CA	1656	1/1	0.93	0.27	98,98,98,98	0
54	MG	CA	1776	1/1	0.93	0.17	92,92,92,92	0
54	MG	DA	3749	1/1	0.93	0.17	102,102,102,102	0
54	MG	DA	3541	1/1	0.93	0.23	54,54,54,54	0
54	MG	CA	1657	1/1	0.93	0.32	96,96,96,96	0
54	MG	CD	112	1/1	0.93	0.09	85,85,85,85	0
54	MG	DA	3544	1/1	0.93	0.23	87,87,87,87	0
54	MG	BA	3355	1/1	0.93	0.13	64,64,64,64	0
54	MG	DA	3756	1/1	0.93	0.15	57,57,57,57	0
54	MG	BB	207	1/1	0.93	0.21	69,69,69,69	0
54	MG	BA	3023	1/1	0.93	0.22	52,52,52,52	0
54	MG	AA	1889	1/1	0.93	0.08	68,68,68,68	0
54	MG	BA	3290	1/1	0.93	0.10	91,91,91,91	0
54	MG	CA	1785	1/1	0.93	0.21	69,69,69,69	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
54	MG	DA	3552	1/1	0.93	0.12	130,130,130,130	0
54	MG	BA	3506	1/1	0.93	0.10	77,77,77,77	0
54	MG	CA	1667	1/1	0.93	0.04	93,93,93,93	0
54	MG	BB	212	1/1	0.93	0.20	81,81,81,81	0
54	MG	DA	3174	1/1	0.93	0.10	66,66,66,66	0
54	MG	CA	1791	1/1	0.93	0.10	85,85,85,85	0
54	MG	CD	123	1/1	0.93	0.09	81,81,81,81	0
54	MG	DA	3562	1/1	0.93	0.32	75,75,75,75	0
54	MG	DA	3368	1/1	0.93	0.34	87,87,87,87	0
54	MG	CA	1669	1/1	0.93	0.30	71,71,71,71	0
54	MG	BA	3361	1/1	0.93	0.12	72,72,72,72	0
54	MG	AA	1871	1/1	0.93	0.07	117,117,117,117	0
54	MG	DA	2949	1/1	0.93	0.21	35,35,35,35	0
54	MG	DA	2951	1/1	0.93	0.34	54,54,54,54	0
54	MG	CA	1795	1/1	0.93	0.08	78,78,78,78	0
54	MG	DA	2958	1/1	0.93	0.11	46,46,46,46	0
54	MG	CA	1928	1/1	0.93	0.06	122,122,122,122	0
54	MG	DA	2964	1/1	0.93	0.17	21,21,21,21	0
54	MG	BA	3429	1/1	0.93	0.15	56,56,56,56	0
54	MG	BA	3430	1/1	0.93	0.11	90,90,90,90	0
54	MG	BA	3101	1/1	0.93	0.18	56,56,56,56	0
54	MG	DA	3197	1/1	0.93	0.29	64,64,64,64	0
54	MG	BB	221	1/1	0.93	0.11	106,106,106,106	0
54	MG	CA	1934	1/1	0.93	0.30	94,94,94,94	0
54	MG	DA	3200	1/1	0.93	0.27	52,52,52,52	0
54	MG	BA	3103	1/1	0.93	0.18	53,53,53,53	0
54	MG	DA	3393	1/1	0.93	0.15	60,60,60,60	0
54	MG	BA	3178	1/1	0.93	0.21	60,60,60,60	0
54	MG	AA	1969	1/1	0.93	0.11	89,89,89,89	0
54	MG	AA	1914	1/1	0.93	0.18	109,109,109,109	0
54	MG	CA	1809	1/1	0.93	0.20	78,78,78,78	0
54	MG	DA	3209	1/1	0.93	0.13	57,57,57,57	0
54	MG	DA	3401	1/1	0.93	0.08	182,182,182,182	0
54	MG	DA	3003	1/1	0.93	0.28	62,62,62,62	0
54	MG	BA	2958	1/1	0.93	0.20	44,44,44,44	0
54	MG	AA	1809	1/1	0.93	0.30	85,85,85,85	0
54	MG	DA	3214	1/1	0.93	0.37	72,72,72,72	0
54	MG	DA	3215	1/1	0.93	0.26	58,58,58,58	0
54	MG	AA	1873	1/1	0.93	0.09	80,80,80,80	0
54	MG	BE	307	1/1	0.93	0.17	84,84,84,84	0
54	MG	BA	2971	1/1	0.93	0.13	57,57,57,57	0
54	MG	DA	3222	1/1	0.93	0.50	83,83,83,83	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
54	MG	DA	3015	1/1	0.93	0.17	41,41,41,41	0
54	MG	CA	1816	1/1	0.93	0.26	65,65,65,65	0
54	MG	BA	3307	1/1	0.93	0.17	79,79,79,79	0
54	MG	DB	217	1/1	0.93	0.32	122,122,122,122	0
54	MG	BA	3527	1/1	0.93	0.08	63,63,63,63	0
54	MG	DA	3420	1/1	0.93	0.10	91,91,91,91	0
54	MG	BA	3529	1/1	0.93	0.12	88,88,88,88	0
54	MG	AA	1780	1/1	0.93	0.29	95,95,95,95	0
54	MG	DA	3429	1/1	0.93	0.16	83,83,83,83	0
54	MG	AA	2009	1/1	0.93	0.08	71,71,71,71	0
54	MG	BA	3449	1/1	0.93	0.13	76,76,76,76	0
54	MG	DA	3433	1/1	0.93	0.24	87,87,87,87	0
54	MG	AA	2010	1/1	0.93	0.12	83,83,83,83	0
54	MG	BA	3193	1/1	0.93	0.25	80,80,80,80	0
54	MG	DA	3438	1/1	0.93	0.18	83,83,83,83	0
54	MG	AA	1689	1/1	0.93	0.16	93,93,93,93	0
54	MG	DA	3637	1/1	0.93	0.18	74,74,74,74	0
54	MG	DA	3639	1/1	0.93	0.28	71,71,71,71	0
54	MG	BA	2991	1/1	0.93	0.26	76,76,76,76	0
54	MG	DA	3045	1/1	0.93	0.34	57,57,57,57	0
54	MG	DA	3241	1/1	0.93	0.16	56,56,56,56	0
54	MG	DA	3048	1/1	0.93	0.21	67,67,67,67	0
54	MG	DA	3244	1/1	0.93	0.30	64,64,64,64	0
54	MG	DR	202	1/1	0.93	0.15	102,102,102,102	0
54	MG	DA	3246	1/1	0.93	0.51	101,101,101,101	0
54	MG	AA	1949	1/1	0.93	0.20	122,122,122,122	0
54	MG	DA	3248	1/1	0.93	0.28	56,56,56,56	0
54	MG	CA	1719	1/1	0.93	0.17	56,56,56,56	0
54	MG	CA	1969	1/1	0.93	0.20	86,86,86,86	0
54	MG	BA	3540	1/1	0.93	0.14	69,69,69,69	0
54	MG	BU	201	1/1	0.93	0.37	75,75,75,75	0
54	MG	CA	1972	1/1	0.93	0.15	61,61,61,61	0
54	MG	AA	1923	1/1	0.93	0.16	85,85,85,85	0
54	MG	BA	2996	1/1	0.93	0.28	68,68,68,68	0
54	MG	BA	3260	1/1	0.93	0.21	77,77,77,77	0
54	MG	AA	1626	1/1	0.93	0.14	55,55,55,55	0
54	MG	DA	3665	1/1	0.93	0.32	88,88,88,88	0
54	MG	CA	1845	1/1	0.93	0.27	82,82,82,82	0
54	MG	BA	3132	1/1	0.93	0.34	90,90,90,90	0
54	MG	AA	1662	1/1	0.94	0.27	100,100,100,100	0
54	MG	BA	3303	1/1	0.94	0.11	41,41,41,41	0
54	MG	DA	3444	1/1	0.94	0.27	86,86,86,86	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
54	MG	DA	3041	1/1	0.94	0.27	49,49,49,49	0
54	MG	DA	3655	1/1	0.94	0.16	94,94,94,94	0
54	MG	BA	3305	1/1	0.94	0.12	62,62,62,62	0
54	MG	CA	1678	1/1	0.94	0.15	66,66,66,66	0
54	MG	AA	1620	1/1	0.94	0.25	67,67,67,67	0
54	MG	DA	3449	1/1	0.94	0.16	95,95,95,95	0
54	MG	CA	1682	1/1	0.94	0.18	67,67,67,67	0
54	MG	DA	3663	1/1	0.94	0.16	76,76,76,76	0
54	MG	DA	3245	1/1	0.94	0.13	47,47,47,47	0
54	MG	CA	1812	1/1	0.94	0.14	86,86,86,86	0
54	MG	BA	3225	1/1	0.94	0.09	49,49,49,49	0
54	MG	DA	3051	1/1	0.94	0.11	29,29,29,29	0
54	MG	DA	3250	1/1	0.94	0.18	44,44,44,44	0
54	MG	AA	1653	1/1	0.94	0.07	107,107,107,107	0
54	MG	DA	3055	1/1	0.94	0.18	41,41,41,41	0
54	MG	DA	3463	1/1	0.94	0.65	155,155,155,155	0
54	MG	DA	3253	1/1	0.94	0.34	67,67,67,67	0
54	MG	AA	1771	1/1	0.94	0.25	70,70,70,70	0
54	MG	DA	3059	1/1	0.94	0.34	58,58,58,58	0
54	MG	CA	1963	1/1	0.94	0.24	145,145,145,145	0
54	MG	AA	1837	1/1	0.94	0.13	59,59,59,59	0
54	MG	BA	3314	1/1	0.94	0.20	76,76,76,76	0
54	MG	AA	1601	1/1	0.94	0.20	42,42,42,42	0
54	MG	CA	1819	1/1	0.94	0.11	61,61,61,61	0
54	MG	BA	3398	1/1	0.94	0.12	131,131,131,131	0
54	MG	DA	3476	1/1	0.94	0.11	68,68,68,68	0
54	MG	AA	1722	1/1	0.94	0.39	68,68,68,68	0
54	MG	DA	3269	1/1	0.94	0.46	99,99,99,99	0
54	MG	AA	1968	1/1	0.94	0.07	80,80,80,80	0
54	MG	AA	1744	1/1	0.94	0.20	77,77,77,77	0
54	MG	BA	3153	1/1	0.94	0.20	71,71,71,71	0
54	MG	DA	3077	1/1	0.94	0.26	48,48,48,48	0
54	MG	AA	1723	1/1	0.94	0.14	89,89,89,89	0
54	MG	DA	3277	1/1	0.94	0.27	59,59,59,59	0
54	MG	CA	1699	1/1	0.94	0.21	66,66,66,66	0
54	MG	BA	3322	1/1	0.94	0.20	72,72,72,72	0
54	MG	AA	1642	1/1	0.94	0.20	64,64,64,64	0
54	MG	DA	3082	1/1	0.94	0.44	67,67,67,67	0
54	MG	DA	3705	1/1	0.94	0.25	97,97,97,97	0
54	MG	BA	3159	1/1	0.94	0.24	61,61,61,61	0
54	MG	DA	3707	1/1	0.94	0.12	64,64,64,64	0
54	MG	BA	3508	1/1	0.94	0.07	90,90,90,90	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
54	MG	BA	3160	1/1	0.94	0.26	65,65,65,65	0
54	MG	CA	1836	1/1	0.94	0.24	58,58,58,58	0
54	MG	DA	3088	1/1	0.94	0.33	56,56,56,56	0
54	MG	BA	2995	1/1	0.94	0.32	52,52,52,52	0
54	MG	BA	3332	1/1	0.94	0.11	60,60,60,60	0
54	MG	AA	1748	1/1	0.94	0.14	85,85,85,85	0
54	MG	CA	1716	1/1	0.94	0.13	110,110,110,110	0
54	MG	CA	1844	1/1	0.94	0.21	76,76,76,76	0
54	MG	BA	3513	1/1	0.94	0.13	77,77,77,77	0
54	MG	BA	3165	1/1	0.94	0.10	46,46,46,46	0
54	MG	BA	2998	1/1	0.94	0.09	51,51,51,51	0
54	MG	BA	3001	1/1	0.94	0.15	40,40,40,40	0
54	MG	BA	3169	1/1	0.94	0.24	60,60,60,60	0
54	MG	BA	3170	1/1	0.94	0.26	72,72,72,72	0
54	MG	CA	1853	1/1	0.94	0.15	101,101,101,101	0
54	MG	DA	3732	1/1	0.94	0.28	94,94,94,94	0
54	MG	AA	1656	1/1	0.94	0.13	71,71,71,71	0
54	MG	DA	3108	1/1	0.94	0.29	58,58,58,58	0
54	MG	DA	3310	1/1	0.94	0.36	66,66,66,66	0
54	MG	AA	1901	1/1	0.94	0.11	89,89,89,89	0
54	MG	CA	1725	1/1	0.94	0.26	54,54,54,54	0
54	MG	BA	3426	1/1	0.94	0.07	43,43,43,43	0
54	MG	DA	3522	1/1	0.94	0.08	66,66,66,66	0
54	MG	AA	1705	1/1	0.94	0.12	77,77,77,77	0
54	MG	BA	3344	1/1	0.94	0.07	69,69,69,69	0
54	MG	CA	1863	1/1	0.94	0.09	121,121,121,121	0
54	MG	CW	202	1/1	0.94	0.10	108,108,108,108	0
54	MG	DA	3121	1/1	0.94	0.09	56,56,56,56	0
54	MG	BA	3009	1/1	0.94	0.19	57,57,57,57	0
54	MG	CA	1865	1/1	0.94	0.10	85,85,85,85	0
54	MG	BA	3531	1/1	0.94	0.07	75,75,75,75	0
54	MG	DA	3325	1/1	0.94	0.13	64,64,64,64	0
54	MG	AA	1643	1/1	0.94	0.10	124,124,124,124	0
54	MG	BA	3432	1/1	0.94	0.19	115,115,115,115	0
54	MG	CA	1737	1/1	0.94	0.05	132,132,132,132	0
54	MG	AA	1981	1/1	0.94	0.06	115,115,115,115	0
54	MG	DA	3133	1/1	0.94	0.23	64,64,64,64	0
54	MG	AA	1982	1/1	0.94	0.20	126,126,126,126	0
54	MG	CA	1740	1/1	0.94	0.11	104,104,104,104	0
54	MG	BA	3435	1/1	0.94	0.09	59,59,59,59	0
54	MG	DA	3140	1/1	0.94	0.06	26,26,26,26	0
54	MG	AA	1707	1/1	0.94	0.17	64,64,64,64	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
54	MG	CA	1745	1/1	0.94	0.13	74,74,74,74	0
54	MG	AA	1906	1/1	0.94	0.32	86,86,86,86	0
54	MG	CA	1603	1/1	0.94	0.35	56,56,56,56	0
54	MG	CA	1881	1/1	0.94	0.14	105,105,105,105	0
54	MG	AA	1941	1/1	0.94	0.09	93,93,93,93	0
54	MG	DA	3551	1/1	0.94	0.09	68,68,68,68	0
54	MG	DA	3153	1/1	0.94	0.12	51,51,51,51	0
54	MG	AA	1907	1/1	0.94	0.12	106,106,106,106	0
54	MG	CA	1606	1/1	0.94	0.26	70,70,70,70	0
54	MG	DA	3555	1/1	0.94	0.28	81,81,81,81	0
54	MG	AA	1708	1/1	0.94	0.25	70,70,70,70	0
54	MG	BA	3106	1/1	0.94	0.34	80,80,80,80	0
54	MG	DA	3558	1/1	0.94	0.24	65,65,65,65	0
54	MG	CD	111	1/1	0.94	0.10	87,87,87,87	0
54	MG	DA	3360	1/1	0.94	0.06	67,67,67,67	0
54	MG	DA	3561	1/1	0.94	0.25	59,59,59,59	0
54	MG	CA	1611	1/1	0.94	0.23	42,42,42,42	0
54	MG	AA	1990	1/1	0.94	0.12	97,97,97,97	0
54	MG	AA	1790	1/1	0.94	0.20	53,53,53,53	0
54	MG	CA	1620	1/1	0.94	0.30	69,69,69,69	0
54	MG	BA	3546	1/1	0.94	0.20	102,102,102,102	0
54	MG	CA	1622	1/1	0.94	0.25	68,68,68,68	0
54	MG	AA	1649	1/1	0.94	0.18	84,84,84,84	0
54	MG	BA	3031	1/1	0.94	0.08	82,82,82,82	0
54	MG	DA	3575	1/1	0.94	0.14	80,80,80,80	0
54	MG	DA	3371	1/1	0.94	0.23	79,79,79,79	0
54	MG	CA	1901	1/1	0.94	0.19	103,103,103,103	0
54	MG	DA	3580	1/1	0.94	0.24	96,96,96,96	0
54	MG	AA	1794	1/1	0.94	0.27	93,93,93,93	0
54	MG	BA	3200	1/1	0.94	0.26	90,90,90,90	0
54	MG	AA	1612	1/1	0.94	0.42	68,68,68,68	0
54	MG	BA	2909	1/1	0.94	0.07	66,66,66,66	0
54	MG	DA	3183	1/1	0.94	0.29	56,56,56,56	0
54	MG	BA	3454	1/1	0.94	0.10	100,100,100,100	0
54	MG	DA	3592	1/1	0.94	0.32	78,78,78,78	0
54	MG	CD	126	1/1	0.94	0.10	82,82,82,82	0
54	MG	C1	101	1/1	0.94	0.08	65,65,65,65	0
54	MG	DB	205	1/1	0.94	0.21	69,69,69,69	0
54	MG	DA	2910	1/1	0.94	0.26	25,25,25,25	0
54	MG	DA	3189	1/1	0.94	0.20	68,68,68,68	0
54	MG	CA	1909	1/1	0.94	0.11	74,74,74,74	0
54	MG	DB	210	1/1	0.94	0.10	114,114,114,114	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
54	MG	DA	3386	1/1	0.94	0.40	75,75,75,75	0
54	MG	DA	2935	1/1	0.94	0.18	33,33,33,33	0
54	MG	BA	3455	1/1	0.94	0.20	78,78,78,78	0
54	MG	BA	3204	1/1	0.94	0.28	76,76,76,76	0
54	MG	DA	2952	1/1	0.94	0.35	39,39,39,39	0
54	MG	BA	3457	1/1	0.94	0.17	80,80,80,80	0
54	MG	CA	1637	1/1	0.94	0.25	70,70,70,70	0
54	MG	DB	219	1/1	0.94	0.21	77,77,77,77	0
54	MG	BA	3036	1/1	0.94	0.18	41,41,41,41	0
54	MG	CA	1640	1/1	0.94	0.09	53,53,53,53	0
54	MG	BA	3369	1/1	0.94	0.07	73,73,73,73	0
54	MG	CA	1643	1/1	0.94	0.28	66,66,66,66	0
54	MG	DB	226	1/1	0.94	0.11	84,84,84,84	0
54	MG	AA	1952	1/1	0.94	0.07	76,76,76,76	0
54	MG	BA	3565	1/1	0.94	0.08	99,99,99,99	0
54	MG	CA	1924	1/1	0.94	0.08	98,98,98,98	0
54	MG	CA	1646	1/1	0.94	0.11	53,53,53,53	0
54	MG	DA	3406	1/1	0.94	0.17	82,82,82,82	0
54	MG	DA	3408	1/1	0.94	0.12	38,38,38,38	0
54	MG	BA	3371	1/1	0.94	0.11	55,55,55,55	0
54	MG	BA	3372	1/1	0.94	0.16	53,53,53,53	0
54	MG	AA	1676	1/1	0.94	0.18	96,96,96,96	0
54	MG	BA	3374	1/1	0.94	0.12	39,39,39,39	0
54	MG	BA	3126	1/1	0.94	0.12	42,42,42,42	0
54	MG	DO	205	1/1	0.94	0.19	90,90,90,90	0
54	MG	AA	1916	1/1	0.94	0.15	93,93,93,93	0
54	MG	CA	1932	1/1	0.94	0.16	94,94,94,94	0
54	MG	AA	1677	1/1	0.94	0.34	63,63,63,63	0
54	MG	DA	3220	1/1	0.94	0.17	59,59,59,59	0
54	MG	AA	1766	1/1	0.94	0.08	69,69,69,69	0
54	MG	D1	202	1/1	0.94	0.13	75,75,75,75	0
54	MG	BA	2936	1/1	0.94	0.23	50,50,50,50	0
54	MG	BA	3580	1/1	0.94	0.11	89,89,89,89	0
54	MG	DA	3225	1/1	0.94	0.17	45,45,45,45	0
54	MG	DT	102	1/1	0.94	0.16	64,64,64,64	0
54	MG	BA	2939	1/1	0.94	0.33	47,47,47,47	0
54	MG	BA	3133	1/1	0.94	0.18	49,49,49,49	0
54	MG	BA	3135	1/1	0.94	0.25	62,62,62,62	0
54	MG	DU	204	1/1	0.94	0.25	99,99,99,99	0
54	MG	CA	1665	1/1	0.94	0.13	84,84,84,84	0
54	MG	DA	3643	1/1	0.94	0.15	82,82,82,82	0
54	MG	DA	3436	1/1	0.94	0.11	72,72,72,72	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
54	MG	BA	2945	1/1	0.94	0.20	39,39,39,39	0
54	MG	DA	3646	1/1	0.94	0.22	87,87,87,87	0
54	MG	D6	101	1/1	0.94	0.70	98,98,98,98	0
54	MG	DA	3232	1/1	0.94	0.22	67,67,67,67	0
54	MG	BA	3059	1/1	0.94	0.26	59,59,59,59	0
54	MG	BA	3138	1/1	0.94	0.20	85,85,85,85	0
54	MG	BA	3048	1/1	0.95	0.05	41,41,41,41	0
54	MG	BA	3465	1/1	0.95	0.10	92,92,92,92	0
54	MG	DA	3103	1/1	0.95	0.17	76,76,76,76	0
54	MG	DA	3104	1/1	0.95	0.35	79,79,79,79	0
54	MG	DA	3105	1/1	0.95	0.39	56,56,56,56	0
54	MG	DA	3475	1/1	0.95	0.09	56,56,56,56	0
54	MG	BA	2949	1/1	0.95	0.35	62,62,62,62	0
54	MG	BA	3050	1/1	0.95	0.29	67,67,67,67	0
54	MG	AA	1770	1/1	0.95	0.20	71,71,71,71	0
54	MG	AA	1976	1/1	0.95	0.30	86,86,86,86	0
54	MG	BA	3053	1/1	0.95	0.22	43,43,43,43	0
54	MG	DA	3482	1/1	0.95	0.06	43,43,43,43	0
54	MG	DA	3675	1/1	0.95	0.35	104,104,104,104	0
54	MG	DA	3676	1/1	0.95	0.28	131,131,131,131	0
54	MG	DA	3678	1/1	0.95	0.19	69,69,69,69	0
54	MG	DA	3679	1/1	0.95	0.10	68,68,68,68	0
54	MG	DA	3113	1/1	0.95	0.18	43,43,43,43	0
54	MG	AA	1915	1/1	0.95	0.20	172,172,172,172	0
54	MG	BA	3219	1/1	0.95	0.04	48,48,48,48	0
54	MG	BA	2968	1/1	0.95	0.12	29,29,29,29	0
54	MG	AA	1717	1/1	0.95	0.24	77,77,77,77	0
54	MG	AA	1633	1/1	0.95	0.30	79,79,79,79	0
54	MG	DA	3301	1/1	0.95	0.17	86,86,86,86	0
54	MG	BA	3308	1/1	0.95	0.32	78,78,78,78	0
54	MG	CA	1770	1/1	0.95	0.13	85,85,85,85	0
54	MG	BA	3577	1/1	0.95	0.09	80,80,80,80	0
54	MG	BA	3578	1/1	0.95	0.11	98,98,98,98	0
54	MG	CA	1902	1/1	0.95	0.10	46,46,46,46	0
54	MG	BA	3142	1/1	0.95	0.18	90,90,90,90	0
54	MG	BA	2979	1/1	0.95	0.25	60,60,60,60	0
54	MG	CA	1652	1/1	0.95	0.21	49,49,49,49	0
54	MG	BA	2980	1/1	0.95	0.28	53,53,53,53	0
54	MG	DA	3135	1/1	0.95	0.28	48,48,48,48	0
54	MG	DA	3136	1/1	0.95	0.27	53,53,53,53	0
54	MG	CA	1655	1/1	0.95	0.24	68,68,68,68	0
54	MG	CA	1778	1/1	0.95	0.08	55,55,55,55	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
54	MG	BA	3061	1/1	0.95	0.14	70,70,70,70	0
54	MG	DA	3141	1/1	0.95	0.23	78,78,78,78	0
54	MG	DA	3508	1/1	0.95	0.34	73,73,73,73	0
54	MG	BA	2981	1/1	0.95	0.21	58,58,58,58	0
54	MG	DA	3510	1/1	0.95	0.13	43,43,43,43	0
54	MG	DA	3711	1/1	0.95	0.27	102,102,102,102	0
54	MG	BA	3487	1/1	0.95	0.07	74,74,74,74	0
54	MG	DA	3713	1/1	0.95	0.20	144,144,144,144	0
54	MG	CA	1913	1/1	0.95	0.15	101,101,101,101	0
54	MG	CA	1915	1/1	0.95	0.19	133,133,133,133	0
54	MG	DA	3514	1/1	0.95	0.15	66,66,66,66	0
54	MG	AW	201	1/1	0.95	0.20	108,108,108,108	0
54	MG	DA	3149	1/1	0.95	0.32	56,56,56,56	0
54	MG	CA	1917	1/1	0.95	0.10	95,95,95,95	0
54	MG	DA	3152	1/1	0.95	0.20	52,52,52,52	0
54	MG	DA	3721	1/1	0.95	0.09	50,50,50,50	0
54	MG	BA	3317	1/1	0.95	0.14	63,63,63,63	0
54	MG	DA	3333	1/1	0.95	0.16	50,50,50,50	0
54	MG	DA	3154	1/1	0.95	0.27	56,56,56,56	0
54	MG	DA	3524	1/1	0.95	0.16	54,54,54,54	0
54	MG	AA	1683	1/1	0.95	0.28	60,60,60,60	0
54	MG	AA	1628	1/1	0.95	0.45	69,69,69,69	0
54	MG	DA	2909	1/1	0.95	0.33	25,25,25,25	0
54	MG	CA	1787	1/1	0.95	0.27	147,147,147,147	0
54	MG	DA	3343	1/1	0.95	0.18	86,86,86,86	0
54	MG	DA	3530	1/1	0.95	0.27	59,59,59,59	0
54	MG	DA	3344	1/1	0.95	0.11	44,44,44,44	0
54	MG	DA	2914	1/1	0.95	0.19	19,19,19,19	0
54	MG	DA	2918	1/1	0.95	0.32	28,28,28,28	0
54	MG	BA	2989	1/1	0.95	0.39	60,60,60,60	0
54	MG	AA	1920	1/1	0.95	0.07	115,115,115,115	0
54	MG	DA	2936	1/1	0.95	0.38	48,48,48,48	0
54	MG	CA	1666	1/1	0.95	0.12	67,67,67,67	0
54	MG	DA	3352	1/1	0.95	0.10	66,66,66,66	0
54	MG	DA	3353	1/1	0.95	0.22	70,70,70,70	0
54	MG	AA	2021	1/1	0.95	0.08	108,108,108,108	0
54	MG	BA	2993	1/1	0.95	0.38	52,52,52,52	0
54	MG	BA	3324	1/1	0.95	0.24	87,87,87,87	0
54	MG	CA	1672	1/1	0.95	0.15	70,70,70,70	0
54	MG	BA	3158	1/1	0.95	0.10	39,39,39,39	0
54	MG	BA	3327	1/1	0.95	0.10	65,65,65,65	0
54	MG	DA	3361	1/1	0.95	0.31	75,75,75,75	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
54	MG	DA	2966	1/1	0.95	0.25	37,37,37,37	0
54	MG	BA	3502	1/1	0.95	0.12	91,91,91,91	0
54	MG	BB	220	1/1	0.95	0.26	80,80,80,80	0
54	MG	BA	3072	1/1	0.95	0.08	48,48,48,48	0
54	MG	DA	2982	1/1	0.95	0.28	47,47,47,47	0
54	MG	BA	3329	1/1	0.95	0.14	69,69,69,69	0
54	MG	DA	3187	1/1	0.95	0.26	64,64,64,64	0
54	MG	AA	2022	1/1	0.95	0.09	117,117,117,117	0
54	MG	AA	1775	1/1	0.95	0.35	88,88,88,88	0
54	MG	CA	1940	1/1	0.95	0.14	112,112,112,112	0
54	MG	DA	3767	1/1	0.95	0.11	61,61,61,61	0
54	MG	CA	1686	1/1	0.95	0.16	62,62,62,62	0
54	MG	BD	301	1/1	0.95	0.27	65,65,65,65	0
54	MG	CA	1943	1/1	0.95	0.10	110,110,110,110	0
54	MG	DA	3002	1/1	0.95	0.45	62,62,62,62	0
54	MG	CA	1688	1/1	0.95	0.38	76,76,76,76	0
54	MG	DA	3564	1/1	0.95	0.14	49,49,49,49	0
54	MG	AA	1650	1/1	0.95	0.14	74,74,74,74	0
54	MG	DA	3567	1/1	0.95	0.38	91,91,91,91	0
54	MG	AA	1954	1/1	0.95	0.35	108,108,108,108	0
54	MG	BE	302	1/1	0.95	0.12	85,85,85,85	0
54	MG	BE	303	1/1	0.95	0.06	45,45,45,45	0
54	MG	BA	3166	1/1	0.95	0.09	57,57,57,57	0
54	MG	BA	3079	1/1	0.95	0.13	59,59,59,59	0
54	MG	AA	1607	1/1	0.95	0.20	68,68,68,68	0
54	MG	DA	3577	1/1	0.95	0.09	80,80,80,80	0
54	MG	BA	3422	1/1	0.95	0.17	83,83,83,83	0
54	MG	AA	1925	1/1	0.95	0.13	87,87,87,87	0
54	MG	DA	3390	1/1	0.95	0.33	72,72,72,72	0
54	MG	BA	3084	1/1	0.95	0.33	83,83,83,83	0
54	MG	BA	3085	1/1	0.95	0.08	40,40,40,40	0
54	MG	DA	3395	1/1	0.95	0.20	71,71,71,71	0
54	MG	DA	3586	1/1	0.95	0.28	72,72,72,72	0
54	MG	DA	3587	1/1	0.95	0.41	134,134,134,134	0
54	MG	AA	1623	1/1	0.95	0.34	53,53,53,53	0
54	MG	DA	3031	1/1	0.95	0.18	53,53,53,53	0
54	MG	DA	3590	1/1	0.95	0.24	93,93,93,93	0
54	MG	BA	3257	1/1	0.95	0.07	63,63,63,63	0
54	MG	CA	1705	1/1	0.95	0.20	84,84,84,84	0
54	MG	AA	1900	1/1	0.95	0.13	102,102,102,102	0
54	MG	DA	3039	1/1	0.95	0.16	48,48,48,48	0
54	MG	BA	3088	1/1	0.95	0.15	49,49,49,49	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
54	MG	CA	1830	1/1	0.95	0.18	135,135,135,135	0
54	MG	BA	3007	1/1	0.95	0.21	51,51,51,51	0
54	MG	CA	1832	1/1	0.95	0.12	79,79,79,79	0
54	MG	DA	3047	1/1	0.95	0.21	50,50,50,50	0
54	MG	AA	1603	1/1	0.95	0.39	54,54,54,54	0
54	MG	AA	1712	1/1	0.95	0.08	50,50,50,50	0
54	MG	AA	1808	1/1	0.95	0.12	92,92,92,92	0
54	MG	BA	3528	1/1	0.95	0.09	88,88,88,88	0
54	MG	DB	211	1/1	0.95	0.20	78,78,78,78	0
54	MG	AA	1727	1/1	0.95	0.27	104,104,104,104	0
54	MG	DA	3607	1/1	0.95	0.19	62,62,62,62	0
54	MG	BA	3014	1/1	0.95	0.28	49,49,49,49	0
54	MG	DA	3233	1/1	0.95	0.19	51,51,51,51	0
54	MG	BA	3269	1/1	0.95	0.10	90,90,90,90	0
54	MG	DA	3057	1/1	0.95	0.30	68,68,68,68	0
54	MG	AA	2002	1/1	0.95	0.10	81,81,81,81	0
54	MG	AA	2039	1/1	0.95	0.07	64,64,64,64	0
54	MG	DA	3421	1/1	0.95	0.46	85,85,85,85	0
54	MG	DA	3615	1/1	0.95	0.19	78,78,78,78	0
54	MG	BA	3441	1/1	0.95	0.09	144,144,144,144	0
54	MG	DB	224	1/1	0.95	0.20	109,109,109,109	0
54	MG	CA	1846	1/1	0.95	0.28	129,129,129,129	0
54	MG	DA	3618	1/1	0.95	0.48	113,113,113,113	0
54	MG	DA	3427	1/1	0.95	0.07	65,65,65,65	0
54	MG	AA	1681	1/1	0.95	0.09	43,43,43,43	0
54	MG	AA	1745	1/1	0.95	0.17	67,67,67,67	0
54	MG	DA	3431	1/1	0.95	0.07	51,51,51,51	0
54	MG	DE	303	1/1	0.95	0.13	20,20,20,20	0
54	MG	AA	2005	1/1	0.95	0.08	96,96,96,96	0
54	MG	CA	1727	1/1	0.95	0.11	131,131,131,131	0
54	MG	BA	3446	1/1	0.95	0.15	74,74,74,74	0
54	MG	BA	3195	1/1	0.95	0.08	124,124,124,124	0
54	MG	CA	1602	1/1	0.95	0.20	29,29,29,29	0
54	MG	DA	3249	1/1	0.95	0.32	65,65,65,65	0
54	MG	AA	1838	1/1	0.95	0.20	77,77,77,77	0
54	MG	AA	1729	1/1	0.95	0.16	87,87,87,87	0
54	MG	DA	3635	1/1	0.95	0.20	101,101,101,101	0
54	MG	AA	1815	1/1	0.95	0.15	62,62,62,62	0
54	MG	AA	1791	1/1	0.95	0.09	68,68,68,68	0
54	MG	BA	2935	1/1	0.95	0.22	46,46,46,46	0
54	MG	AA	1692	1/1	0.95	0.20	75,75,75,75	0
54	MG	BA	2937	1/1	0.95	0.22	53,53,53,53	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
54	MG	D1	203	1/1	0.95	0.10	84,84,84,84	0
54	MG	BA	3285	1/1	0.95	0.14	79,79,79,79	0
54	MG	CA	1613	1/1	0.95	0.35	60,60,60,60	0
54	MG	AA	1939	1/1	0.95	0.09	118,118,118,118	0
54	MG	BA	3458	1/1	0.95	0.12	76,76,76,76	0
54	MG	BA	3037	1/1	0.95	0.19	61,61,61,61	0
54	MG	DA	3267	1/1	0.95	0.34	76,76,76,76	0
54	MG	AA	1974	1/1	0.95	0.20	96,96,96,96	0
54	MG	BA	3555	1/1	0.95	0.38	119,119,119,119	0
54	MG	CW	201	1/1	0.95	0.26	67,67,67,67	0
54	MG	BA	3557	1/1	0.95	0.12	131,131,131,131	0
54	MG	DA	3461	1/1	0.95	0.18	66,66,66,66	0
54	MG	D3	103	1/1	0.95	0.31	76,76,76,76	0
54	MG	DA	3273	1/1	0.95	0.05	39,39,39,39	0
54	MG	BA	3461	1/1	0.95	0.09	66,66,66,66	0
54	MG	D5	101	1/1	0.95	0.16	54,54,54,54	0
54	MG	BA	3043	1/1	0.95	0.07	51,51,51,51	0
54	MG	CA	1629	1/1	0.95	0.31	85,85,85,85	0
54	MG	CX	102	1/1	0.95	0.06	104,104,104,104	0
54	MG	BA	3046	1/1	0.95	0.16	29,29,29,29	0
54	MG	BA	3471	1/1	0.96	0.21	156,156,156,156	0
54	MG	BA	3008	1/1	0.96	0.17	95,95,95,95	0
54	MG	BA	3566	1/1	0.96	0.11	56,56,56,56	0
54	MG	CA	1874	1/1	0.96	0.07	144,144,144,144	0
54	MG	BA	3077	1/1	0.96	0.11	46,46,46,46	0
54	MG	AA	1665	1/1	0.96	0.25	59,59,59,59	0
54	MG	AA	1714	1/1	0.96	0.10	89,89,89,89	0
54	MG	BA	3157	1/1	0.96	0.10	45,45,45,45	0
54	MG	DA	3086	1/1	0.96	0.19	61,61,61,61	0
54	MG	AA	1983	1/1	0.96	0.23	104,104,104,104	0
54	MG	BA	2918	1/1	0.96	0.29	46,46,46,46	0
54	MG	BA	2921	1/1	0.96	0.29	41,41,41,41	0
54	MG	BA	3481	1/1	0.96	0.10	80,80,80,80	0
54	MG	AA	1763	1/1	0.96	0.35	74,74,74,74	0
54	MG	BA	3576	1/1	0.96	0.09	40,40,40,40	0
54	MG	BA	2927	1/1	0.96	0.27	32,32,32,32	0
54	MG	BA	3239	1/1	0.96	0.14	49,49,49,49	0
54	MG	BA	3579	1/1	0.96	0.10	83,83,83,83	0
54	MG	BA	2932	1/1	0.96	0.18	37,37,37,37	0
54	MG	AA	1627	1/1	0.96	0.32	70,70,70,70	0
54	MG	CA	1893	1/1	0.96	0.22	81,81,81,81	0
54	MG	BA	3401	1/1	0.96	0.13	36,36,36,36	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
54	MG	BA	3583	1/1	0.96	0.06	79,79,79,79	0
54	MG	CD	102	1/1	0.96	0.07	99,99,99,99	0
54	MG	AA	1667	1/1	0.96	0.21	61,61,61,61	0
54	MG	CD	104	1/1	0.96	0.04	83,83,83,83	0
54	MG	CD	105	1/1	0.96	0.06	124,124,124,124	0
54	MG	BA	3243	1/1	0.96	0.06	49,49,49,49	0
54	MG	AA	1678	1/1	0.96	0.22	57,57,57,57	0
54	MG	BA	3326	1/1	0.96	0.12	54,54,54,54	0
54	MG	BB	206	1/1	0.96	0.24	85,85,85,85	0
54	MG	DA	3307	1/1	0.96	0.36	74,74,74,74	0
54	MG	BA	3494	1/1	0.96	0.10	65,65,65,65	0
54	MG	AA	1902	1/1	0.96	0.11	107,107,107,107	0
54	MG	DA	3708	1/1	0.96	0.22	152,152,152,152	0
54	MG	BA	3496	1/1	0.96	0.11	73,73,73,73	0
54	MG	BA	3246	1/1	0.96	0.10	54,54,54,54	0
54	MG	DA	3119	1/1	0.96	0.34	59,59,59,59	0
54	MG	AA	1989	1/1	0.96	0.20	91,91,91,91	0
54	MG	DA	3515	1/1	0.96	0.19	100,100,100,100	0
54	MG	BA	3024	1/1	0.96	0.22	40,40,40,40	0
54	MG	DA	3123	1/1	0.96	0.23	66,66,66,66	0
54	MG	BA	3025	1/1	0.96	0.13	47,47,47,47	0
54	MG	AA	1739	1/1	0.96	0.15	66,66,66,66	0
54	MG	AA	1810	1/1	0.96	0.14	75,75,75,75	0
54	MG	DA	3521	1/1	0.96	0.08	75,75,75,75	0
54	MG	AW	202	1/1	0.96	0.12	59,59,59,59	0
54	MG	BA	2960	1/1	0.96	0.21	49,49,49,49	0
54	MG	BA	3338	1/1	0.96	0.16	100,100,100,100	0
54	MG	BA	2961	1/1	0.96	0.31	46,46,46,46	0
54	MG	BA	3421	1/1	0.96	0.28	88,88,88,88	0
54	MG	BB	224	1/1	0.96	0.08	81,81,81,81	0
54	MG	DA	3329	1/1	0.96	0.19	62,62,62,62	0
54	MG	DA	3729	1/1	0.96	0.11	73,73,73,73	0
54	MG	BA	3182	1/1	0.96	0.07	41,41,41,41	0
54	MG	BA	3109	1/1	0.96	0.22	73,73,73,73	0
54	MG	DA	2904	1/1	0.96	0.22	22,22,22,22	0
54	MG	DA	3532	1/1	0.96	0.33	87,87,87,87	0
54	MG	DA	2905	1/1	0.96	0.27	23,23,23,23	0
54	MG	BA	2964	1/1	0.96	0.23	45,45,45,45	0
54	MG	BA	3425	1/1	0.96	0.05	98,98,98,98	0
54	MG	DA	2911	1/1	0.96	0.30	34,34,34,34	0
54	MG	DA	3143	1/1	0.96	0.29	68,68,68,68	0
54	MG	DA	3340	1/1	0.96	0.17	76,76,76,76	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
54	MG	BA	2965	1/1	0.96	0.07	30,30,30,30	0
54	MG	DA	2915	1/1	0.96	0.28	29,29,29,29	0
54	MG	BA	3115	1/1	0.96	0.23	89,89,89,89	0
54	MG	DA	2919	1/1	0.96	0.25	46,46,46,46	0
54	MG	DA	2921	1/1	0.96	0.13	32,32,32,32	0
54	MG	DA	2922	1/1	0.96	0.16	17,17,17,17	0
54	MG	DA	3151	1/1	0.96	0.43	89,89,89,89	0
54	MG	DA	3750	1/1	0.96	0.15	57,57,57,57	0
54	MG	DA	2923	1/1	0.96	0.19	18,18,18,18	0
54	MG	BA	3187	1/1	0.96	0.05	40,40,40,40	0
54	MG	DA	2926	1/1	0.96	0.12	23,23,23,23	0
54	MG	DA	3155	1/1	0.96	0.22	40,40,40,40	0
54	MG	DA	2928	1/1	0.96	0.32	32,32,32,32	0
54	MG	DA	2933	1/1	0.96	0.29	31,31,31,31	0
54	MG	BA	3346	1/1	0.96	0.13	52,52,52,52	0
54	MG	BA	3188	1/1	0.96	0.19	68,68,68,68	0
54	MG	DA	2939	1/1	0.96	0.29	45,45,45,45	0
54	MG	DA	2945	1/1	0.96	0.36	40,40,40,40	0
54	MG	DA	2948	1/1	0.96	0.20	40,40,40,40	0
54	MG	BE	306	1/1	0.96	0.12	72,72,72,72	0
54	MG	DA	2950	1/1	0.96	0.34	52,52,52,52	0
54	MG	DA	3365	1/1	0.96	0.16	107,107,107,107	0
54	MG	CA	1806	1/1	0.96	0.23	106,106,106,106	0
54	MG	CA	1807	1/1	0.96	0.08	71,71,71,71	0
54	MG	DA	2953	1/1	0.96	0.28	63,63,63,63	0
54	MG	BA	3431	1/1	0.96	0.09	96,96,96,96	0
54	MG	DA	3175	1/1	0.96	0.15	34,34,34,34	0
54	MG	BA	3041	1/1	0.96	0.09	39,39,39,39	0
54	MG	DA	3372	1/1	0.96	0.20	57,57,57,57	0
54	MG	DA	2962	1/1	0.96	0.24	33,33,33,33	0
54	MG	DA	3179	1/1	0.96	0.35	74,74,74,74	0
54	MG	AA	1832	1/1	0.96	0.23	91,91,91,91	0
54	MG	DA	3572	1/1	0.96	0.11	60,60,60,60	0
54	MG	DA	3780	1/1	0.96	0.14	72,72,72,72	0
54	MG	CA	1936	1/1	0.96	0.08	90,90,90,90	0
54	MG	DA	3782	1/1	0.96	0.15	83,83,83,83	0
54	MG	AA	1811	1/1	0.96	0.04	81,81,81,81	0
54	MG	DA	3576	1/1	0.96	0.10	109,109,109,109	0
54	MG	BA	3119	1/1	0.96	0.14	51,51,51,51	0
54	MG	DA	2974	1/1	0.96	0.39	51,51,51,51	0
54	MG	DA	2975	1/1	0.96	0.14	35,35,35,35	0
54	MG	BA	3525	1/1	0.96	0.08	95,95,95,95	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
54	MG	AA	1752	1/1	0.96	0.27	75,75,75,75	0
54	MG	AA	1753	1/1	0.96	0.28	71,71,71,71	0
54	MG	BA	2978	1/1	0.96	0.21	47,47,47,47	0
54	MG	AA	1836	1/1	0.96	0.12	58,58,58,58	0
54	MG	CA	1701	1/1	0.96	0.17	106,106,106,106	0
54	MG	DA	3796	1/1	0.96	0.09	82,82,82,82	0
54	MG	AA	1967	1/1	0.96	0.13	84,84,84,84	0
54	MG	CA	1947	1/1	0.96	0.27	205,205,205,205	0
54	MG	CA	1703	1/1	0.96	0.17	62,62,62,62	0
54	MG	DA	2995	1/1	0.96	0.35	40,40,40,40	0
54	MG	DA	3394	1/1	0.96	0.26	73,73,73,73	0
54	MG	AA	1605	1/1	0.96	0.33	61,61,61,61	0
54	MG	DA	2999	1/1	0.96	0.24	44,44,44,44	0
54	MG	AA	1755	1/1	0.96	0.29	62,62,62,62	0
54	MG	DA	3201	1/1	0.96	0.15	61,61,61,61	0
54	MG	CA	1823	1/1	0.96	0.19	66,66,66,66	0
54	MG	BT	101	1/1	0.96	0.08	65,65,65,65	0
54	MG	BA	3280	1/1	0.96	0.07	61,61,61,61	0
54	MG	BA	3444	1/1	0.96	0.23	66,66,66,66	0
54	MG	DA	3207	1/1	0.96	0.30	66,66,66,66	0
54	MG	CA	1709	1/1	0.96	0.14	58,58,58,58	0
54	MG	DA	3603	1/1	0.96	0.28	86,86,86,86	0
54	MG	CA	1710	1/1	0.96	0.17	53,53,53,53	0
54	MG	DA	3210	1/1	0.96	0.32	75,75,75,75	0
54	MG	CA	1829	1/1	0.96	0.07	98,98,98,98	0
54	MG	BA	3128	1/1	0.96	0.31	72,72,72,72	0
54	MG	BA	2984	1/1	0.96	0.16	48,48,48,48	0
54	MG	AC	106	1/1	0.96	0.12	79,79,79,79	0
54	MG	DA	3412	1/1	0.96	0.27	105,105,105,105	0
54	MG	AA	2032	1/1	0.96	0.19	84,84,84,84	0
54	MG	B3	102	1/1	0.96	0.14	58,58,58,58	0
54	MG	CA	1966	1/1	0.96	0.12	82,82,82,82	0
54	MG	DA	3029	1/1	0.96	0.27	34,34,34,34	0
54	MG	AA	1887	1/1	0.96	0.28	161,161,161,161	0
54	MG	DA	3221	1/1	0.96	0.29	75,75,75,75	0
54	MG	DA	3032	1/1	0.96	0.21	40,40,40,40	0
54	MG	AA	1610	1/1	0.96	0.30	68,68,68,68	0
54	MG	BA	3542	1/1	0.96	0.08	78,78,78,78	0
54	MG	BA	3287	1/1	0.96	0.31	79,79,79,79	0
54	MG	DA	3038	1/1	0.96	0.23	50,50,50,50	0
54	MG	AA	2035	1/1	0.96	0.34	86,86,86,86	0
54	MG	AA	2036	1/1	0.96	0.15	90,90,90,90	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
54	MG	DA	3042	1/1	0.96	0.20	48,48,48,48	0
54	MG	CA	1843	1/1	0.96	0.06	76,76,76,76	0
54	MG	BA	2901	1/1	0.96	0.04	61,61,61,61	0
54	MG	BA	3214	1/1	0.96	0.20	67,67,67,67	0
54	MG	AA	2037	1/1	0.96	0.18	97,97,97,97	0
54	MG	DH	202	1/1	0.96	0.62	98,98,98,98	0
54	MG	DH	203	1/1	0.96	0.07	65,65,65,65	0
54	MG	AA	1864	1/1	0.96	0.22	87,87,87,87	0
54	MG	DO	201	1/1	0.96	0.08	55,55,55,55	0
54	MG	DO	202	1/1	0.96	0.06	42,42,42,42	0
54	MG	BA	3141	1/1	0.96	0.12	52,52,52,52	0
54	MG	CA	1849	1/1	0.96	0.20	91,91,91,91	0
54	MG	AA	1757	1/1	0.96	0.14	45,45,45,45	0
54	MG	DA	3638	1/1	0.96	0.14	37,37,37,37	0
54	MG	CA	1731	1/1	0.96	0.07	86,86,86,86	0
54	MG	DA	3054	1/1	0.96	0.20	54,54,54,54	0
54	MG	DR	201	1/1	0.96	0.07	77,77,77,77	0
54	MG	AA	1946	1/1	0.96	0.06	82,82,82,82	0
54	MG	AA	1614	1/1	0.96	0.41	73,73,73,73	0
54	MG	BA	3004	1/1	0.96	0.17	30,30,30,30	0
54	MG	DA	3058	1/1	0.96	0.26	54,54,54,54	0
54	MG	D1	204	1/1	0.96	0.21	71,71,71,71	0
54	MG	BA	3382	1/1	0.96	0.22	123,123,123,123	0
54	MG	AA	1615	1/1	0.96	0.20	38,38,38,38	0
54	MG	CA	1615	1/1	0.96	0.14	40,40,40,40	0
54	MG	DA	3062	1/1	0.96	0.27	50,50,50,50	0
54	MG	CA	1616	1/1	0.96	0.18	68,68,68,68	0
54	MG	BA	3304	1/1	0.96	0.09	63,63,63,63	0
54	MG	DA	3066	1/1	0.96	0.42	59,59,59,59	0
54	MG	DA	3254	1/1	0.96	0.18	38,38,38,38	0
54	MG	AA	1821	1/1	0.96	0.14	141,141,141,141	0
54	MG	DA	3069	1/1	0.96	0.25	52,52,52,52	0
54	MG	DA	3070	1/1	0.96	0.28	40,40,40,40	0
54	MG	DA	3260	1/1	0.96	0.12	53,53,53,53	0
54	MG	CA	1744	1/1	0.96	0.17	89,89,89,89	0
54	MG	AA	1778	1/1	0.96	0.09	61,61,61,61	0
54	MG	DA	3073	1/1	0.96	0.42	73,73,73,73	0
54	MG	BA	3562	1/1	0.96	0.19	94,94,94,94	0
54	MG	D6	102	1/1	0.96	0.41	94,94,94,94	0
54	MG	CA	1867	1/1	0.96	0.22	76,76,76,76	0
54	MG	CA	1624	1/1	0.96	0.25	40,40,40,40	0
54	MG	BA	3075	1/1	0.96	0.09	37,37,37,37	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	ZN	AQ	102	1/1	0.96	0.14	142,142,142,142	0
55	ZN	CG	302	1/1	0.96	0.26	94,94,94,94	0
54	MG	DA	3346	1/1	0.97	0.14	66,66,66,66	0
54	MG	CA	1679	1/1	0.97	0.18	72,72,72,72	0
54	MG	AA	1961	1/1	0.97	0.06	46,46,46,46	0
54	MG	DA	3696	1/1	0.97	0.08	85,85,85,85	0
54	MG	CA	1681	1/1	0.97	0.20	67,67,67,67	0
54	MG	BA	3058	1/1	0.97	0.14	49,49,49,49	0
54	MG	CA	1890	1/1	0.97	0.11	115,115,115,115	0
54	MG	AA	1658	1/1	0.97	0.16	57,57,57,57	0
54	MG	BA	3122	1/1	0.97	0.29	63,63,63,63	0
54	MG	DA	3036	1/1	0.97	0.34	50,50,50,50	0
54	MG	CW	204	1/1	0.97	0.10	68,68,68,68	0
54	MG	DA	3356	1/1	0.97	0.37	73,73,73,73	0
54	MG	BA	3466	1/1	0.97	0.06	84,84,84,84	0
54	MG	AA	1606	1/1	0.97	0.24	55,55,55,55	0
54	MG	CA	1789	1/1	0.97	0.17	100,100,100,100	0
54	MG	BA	2944	1/1	0.97	0.18	29,29,29,29	0
54	MG	AA	1942	1/1	0.97	0.12	128,128,128,128	0
54	MG	CA	1900	1/1	0.97	0.08	50,50,50,50	0
54	MG	AA	1943	1/1	0.97	0.09	83,83,83,83	0
54	MG	BU	203	1/1	0.97	0.06	74,74,74,74	0
54	MG	BA	2951	1/1	0.97	0.19	38,38,38,38	0
54	MG	DA	3203	1/1	0.97	0.25	74,74,74,74	0
54	MG	CA	1693	1/1	0.97	0.10	64,64,64,64	0
54	MG	CA	1905	1/1	0.97	0.07	92,92,92,92	0
54	MG	CA	1796	1/1	0.97	0.05	35,35,35,35	0
54	MG	DA	3540	1/1	0.97	0.19	54,54,54,54	0
54	MG	BA	3553	1/1	0.97	0.15	96,96,96,96	0
54	MG	CA	1798	1/1	0.97	0.17	112,112,112,112	0
54	MG	BA	3256	1/1	0.97	0.17	64,64,64,64	0
54	MG	CD	101	1/1	0.97	0.16	53,53,53,53	0
54	MG	BA	2952	1/1	0.97	0.17	41,41,41,41	0
54	MG	BA	3258	1/1	0.97	0.17	100,100,100,100	0
54	MG	CA	1802	1/1	0.97	0.17	62,62,62,62	0
54	MG	BA	3190	1/1	0.97	0.19	78,78,78,78	0
54	MG	CA	1914	1/1	0.97	0.09	36,36,36,36	0
54	MG	DA	3216	1/1	0.97	0.12	88,88,88,88	0
54	MG	BA	2955	1/1	0.97	0.28	29,29,29,29	0
54	MG	DA	3063	1/1	0.97	0.10	34,34,34,34	0
54	MG	B5	101	1/1	0.97	0.09	46,46,46,46	0
54	MG	DA	3737	1/1	0.97	0.18	88,88,88,88	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
54	MG	CD	109	1/1	0.97	0.02	89,89,89,89	0
54	MG	AA	1944	1/1	0.97	0.11	111,111,111,111	0
54	MG	AA	1697	1/1	0.97	0.17	77,77,77,77	0
54	MG	DA	3741	1/1	0.97	0.21	97,97,97,97	0
54	MG	DA	3068	1/1	0.97	0.34	50,50,50,50	0
54	MG	AA	1853	1/1	0.97	0.16	104,104,104,104	0
54	MG	AA	1798	1/1	0.97	0.27	79,79,79,79	0
54	MG	DA	3391	1/1	0.97	0.19	40,40,40,40	0
54	MG	BA	3482	1/1	0.97	0.13	101,101,101,101	0
54	MG	BA	3134	1/1	0.97	0.26	61,61,61,61	0
54	MG	BA	2962	1/1	0.97	0.12	20,20,20,20	0
54	MG	AA	1624	1/1	0.97	0.29	56,56,56,56	0
54	MG	AA	1686	1/1	0.97	0.19	60,60,60,60	0
54	MG	AA	1785	1/1	0.97	0.06	78,78,78,78	0
54	MG	CA	1610	1/1	0.97	0.26	51,51,51,51	0
54	MG	CA	1713	1/1	0.97	0.14	53,53,53,53	0
54	MG	AA	2001	1/1	0.97	0.21	76,76,76,76	0
54	MG	BA	3413	1/1	0.97	0.09	92,92,92,92	0
54	MG	BA	3140	1/1	0.97	0.10	51,51,51,51	0
54	MG	BA	2969	1/1	0.97	0.28	33,33,33,33	0
54	MG	DA	3574	1/1	0.97	0.07	74,74,74,74	0
54	MG	DA	3760	1/1	0.97	0.15	206,206,206,206	0
54	MG	BA	2970	1/1	0.97	0.26	32,32,32,32	0
54	MG	BA	3493	1/1	0.97	0.23	85,85,85,85	0
54	MG	DA	3242	1/1	0.97	0.22	46,46,46,46	0
54	MG	CA	1935	1/1	0.97	0.08	136,136,136,136	0
54	MG	CA	1619	1/1	0.97	0.24	73,73,73,73	0
54	MG	DA	2908	1/1	0.97	0.21	23,23,23,23	0
54	MG	BA	3022	1/1	0.97	0.15	46,46,46,46	0
54	MG	DA	3582	1/1	0.97	0.09	116,116,116,116	0
54	MG	BA	3418	1/1	0.97	0.08	65,65,65,65	0
54	MG	CA	1939	1/1	0.97	0.07	87,87,87,87	0
54	MG	DA	3585	1/1	0.97	0.09	114,114,114,114	0
54	MG	AA	1874	1/1	0.97	0.22	63,63,63,63	0
54	MG	BA	3420	1/1	0.97	0.28	82,82,82,82	0
54	MG	BA	2972	1/1	0.97	0.31	65,65,65,65	0
54	MG	BA	2974	1/1	0.97	0.28	39,39,39,39	0
54	MG	DA	3418	1/1	0.97	0.14	59,59,59,59	0
54	MG	DA	3777	1/1	0.97	0.13	53,53,53,53	0
54	MG	AA	1613	1/1	0.97	0.25	53,53,53,53	0
54	MG	BA	2977	1/1	0.97	0.16	33,33,33,33	0
54	MG	DA	3255	1/1	0.97	0.24	53,53,53,53	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
54	MG	AA	1912	1/1	0.97	0.15	79,79,79,79	0
54	MG	DA	3257	1/1	0.97	0.33	64,64,64,64	0
54	MG	DA	3425	1/1	0.97	0.11	68,68,68,68	0
54	MG	DA	3426	1/1	0.97	0.18	39,39,39,39	0
54	MG	DA	3786	1/1	0.97	0.16	70,70,70,70	0
54	MG	AA	1859	1/1	0.97	0.05	77,77,77,77	0
54	MG	DA	3428	1/1	0.97	0.19	55,55,55,55	0
54	MG	BB	203	1/1	0.97	0.10	85,85,85,85	0
54	MG	DA	2927	1/1	0.97	0.28	53,53,53,53	0
54	MG	DA	3102	1/1	0.97	0.25	49,49,49,49	0
54	MG	CA	1733	1/1	0.97	0.16	67,67,67,67	0
54	MG	DA	2931	1/1	0.97	0.30	24,24,24,24	0
54	MG	DA	3434	1/1	0.97	0.21	63,63,63,63	0
54	MG	BA	3090	1/1	0.97	0.15	61,61,61,61	0
54	MG	AA	1688	1/1	0.97	0.21	39,39,39,39	0
54	MG	BA	3356	1/1	0.97	0.06	75,75,75,75	0
54	MG	AA	1979	1/1	0.97	0.26	75,75,75,75	0
54	MG	CA	1636	1/1	0.97	0.20	52,52,52,52	0
54	MG	DA	2946	1/1	0.97	0.35	40,40,40,40	0
54	MG	DA	2947	1/1	0.97	0.24	26,26,26,26	0
54	MG	DA	3442	1/1	0.97	0.19	86,86,86,86	0
54	MG	BA	3288	1/1	0.97	0.08	66,66,66,66	0
54	MG	BA	3359	1/1	0.97	0.15	73,73,73,73	0
54	MG	DB	201	1/1	0.97	0.41	86,86,86,86	0
54	MG	BA	3093	1/1	0.97	0.11	65,65,65,65	0
54	MG	DA	3117	1/1	0.97	0.18	48,48,48,48	0
54	MG	BA	2917	1/1	0.97	0.26	37,37,37,37	0
54	MG	DA	3278	1/1	0.97	0.28	78,78,78,78	0
54	MG	CA	1642	1/1	0.97	0.23	48,48,48,48	0
54	MG	DA	3623	1/1	0.97	0.11	81,81,81,81	0
54	MG	BA	3362	1/1	0.97	0.10	68,68,68,68	0
54	MG	DA	2954	1/1	0.97	0.06	16,16,16,16	0
54	MG	DA	3452	1/1	0.97	0.15	104,104,104,104	0
54	MG	BA	3040	1/1	0.97	0.12	40,40,40,40	0
54	MG	DA	2956	1/1	0.97	0.34	47,47,47,47	0
54	MG	DA	3629	1/1	0.97	0.26	72,72,72,72	0
54	MG	BA	3097	1/1	0.97	0.21	59,59,59,59	0
54	MG	BA	3294	1/1	0.97	0.23	65,65,65,65	0
54	MG	DA	3128	1/1	0.97	0.10	40,40,40,40	0
54	MG	DA	3633	1/1	0.97	0.11	62,62,62,62	0
54	MG	DA	3459	1/1	0.97	0.15	64,64,64,64	0
54	MG	DA	3460	1/1	0.97	0.19	72,72,72,72	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
54	MG	DA	3129	1/1	0.97	0.12	57,57,57,57	0
54	MG	BA	3516	1/1	0.97	0.19	56,56,56,56	0
54	MG	DB	223	1/1	0.97	0.06	104,104,104,104	0
54	MG	BA	3224	1/1	0.97	0.18	54,54,54,54	0
54	MG	DA	2965	1/1	0.97	0.44	49,49,49,49	0
54	MG	BB	218	1/1	0.97	0.07	65,65,65,65	0
54	MG	DA	2969	1/1	0.97	0.35	36,36,36,36	0
54	MG	DA	2970	1/1	0.97	0.20	49,49,49,49	0
54	MG	DA	3468	1/1	0.97	0.07	73,73,73,73	0
54	MG	DD	301	1/1	0.97	0.28	43,43,43,43	0
54	MG	DD	302	1/1	0.97	0.24	40,40,40,40	0
54	MG	DD	303	1/1	0.97	0.12	43,43,43,43	0
54	MG	CA	1857	1/1	0.97	0.10	80,80,80,80	0
54	MG	BA	3296	1/1	0.97	0.07	57,57,57,57	0
54	MG	AA	1980	1/1	0.97	0.06	136,136,136,136	0
54	MG	BA	3162	1/1	0.97	0.23	69,69,69,69	0
54	MG	DG	202	1/1	0.97	0.05	84,84,84,84	0
54	MG	BA	3042	1/1	0.97	0.05	28,28,28,28	0
54	MG	BA	2986	1/1	0.97	0.18	41,41,41,41	0
54	MG	DA	2983	1/1	0.97	0.36	34,34,34,34	0
54	MG	DA	3651	1/1	0.97	0.20	98,98,98,98	0
54	MG	AA	1777	1/1	0.97	0.27	69,69,69,69	0
54	MG	DA	2985	1/1	0.97	0.23	27,27,27,27	0
54	MG	DA	2986	1/1	0.97	0.06	42,42,42,42	0
54	MG	DA	2987	1/1	0.97	0.29	36,36,36,36	0
54	MG	AA	1862	1/1	0.97	0.18	77,77,77,77	0
54	MG	BA	2926	1/1	0.97	0.20	43,43,43,43	0
54	MG	AA	1758	1/1	0.97	0.18	108,108,108,108	0
54	MG	BA	2928	1/1	0.97	0.15	46,46,46,46	0
54	MG	BA	3171	1/1	0.97	0.06	50,50,50,50	0
54	MG	BA	3172	1/1	0.97	0.23	72,72,72,72	0
54	MG	DA	3664	1/1	0.97	0.14	104,104,104,104	0
54	MG	BA	2929	1/1	0.97	0.23	32,32,32,32	0
54	MG	DA	2997	1/1	0.97	0.24	41,41,41,41	0
54	MG	DA	3158	1/1	0.97	0.17	62,62,62,62	0
54	MG	DA	2998	1/1	0.97	0.18	44,44,44,44	0
54	MG	BA	3453	1/1	0.97	0.27	73,73,73,73	0
54	MG	D1	206	1/1	0.97	0.19	66,66,66,66	0
54	MG	D2	201	1/1	0.97	0.17	110,110,110,110	0
54	MG	DA	3001	1/1	0.97	0.20	46,46,46,46	0
54	MG	AA	1807	1/1	0.97	0.04	65,65,65,65	0
54	MG	BA	3381	1/1	0.97	0.08	45,45,45,45	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
54	MG	BA	3175	1/1	0.97	0.11	54,54,54,54	0
54	MG	CA	1671	1/1	0.97	0.14	77,77,77,77	0
54	MG	DA	3330	1/1	0.97	0.18	49,49,49,49	0
54	MG	BA	3312	1/1	0.97	0.09	75,75,75,75	0
54	MG	BA	3176	1/1	0.97	0.17	65,65,65,65	0
54	MG	DA	3009	1/1	0.97	0.24	41,41,41,41	0
54	MG	D3	101	1/1	0.97	0.18	48,48,48,48	0
54	MG	DA	3010	1/1	0.97	0.37	86,86,86,86	0
54	MG	DA	3013	1/1	0.97	0.28	58,58,58,58	0
54	MG	BA	2933	1/1	0.97	0.12	50,50,50,50	0
54	MG	DZ	101	1/1	0.97	0.12	79,79,79,79	0
54	MG	CA	1675	1/1	0.97	0.29	59,59,59,59	0
54	MG	DA	3684	1/1	0.97	0.14	83,83,83,83	0
54	MG	DA	3016	1/1	0.97	0.24	23,23,23,23	0
54	MG	AA	1750	1/1	0.97	0.21	79,79,79,79	0
54	MG	DA	3341	1/1	0.97	0.23	64,64,64,64	0
54	MG	DA	3342	1/1	0.97	0.42	77,77,77,77	0
54	MG	CA	1677	1/1	0.97	0.22	57,57,57,57	0
54	MG	CA	1884	1/1	0.97	0.08	59,59,59,59	0
54	MG	BA	2997	1/1	0.97	0.30	60,60,60,60	0
54	MG	BA	3333	1/1	0.98	0.12	62,62,62,62	0
54	MG	CA	1783	1/1	0.98	0.26	47,47,47,47	0
54	MG	BA	2916	1/1	0.98	0.25	42,42,42,42	0
54	MG	BA	3259	1/1	0.98	0.09	90,90,90,90	0
54	MG	DA	3722	1/1	0.98	0.26	166,166,166,166	0
54	MG	AA	1803	1/1	0.98	0.12	61,61,61,61	0
54	MG	DA	2957	1/1	0.98	0.25	20,20,20,20	0
54	MG	AA	1679	1/1	0.98	0.22	74,74,74,74	0
54	MG	DA	3726	1/1	0.98	0.18	75,75,75,75	0
54	MG	DA	2959	1/1	0.98	0.24	26,26,26,26	0
54	MG	DA	2961	1/1	0.98	0.17	37,37,37,37	0
54	MG	BA	3011	1/1	0.98	0.18	57,57,57,57	0
54	MG	BA	3192	1/1	0.98	0.06	54,54,54,54	0
54	MG	BA	3067	1/1	0.98	0.23	43,43,43,43	0
54	MG	DA	3566	1/1	0.98	0.26	78,78,78,78	0
54	MG	BA	2919	1/1	0.98	0.14	29,29,29,29	0
54	MG	CA	1607	1/1	0.98	0.30	73,73,73,73	0
54	MG	DA	2967	1/1	0.98	0.22	39,39,39,39	0
54	MG	DA	2968	1/1	0.98	0.12	20,20,20,20	0
54	MG	BA	2966	1/1	0.98	0.25	46,46,46,46	0
54	MG	CA	1891	1/1	0.98	0.10	113,113,113,113	0
54	MG	DA	2971	1/1	0.98	0.30	40,40,40,40	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
54	MG	BA	2920	1/1	0.98	0.21	36,36,36,36	0
54	MG	CP	202	1/1	0.98	0.18	122,122,122,122	0
54	MG	BA	3197	1/1	0.98	0.15	103,103,103,103	0
54	MG	DA	3118	1/1	0.98	0.13	40,40,40,40	0
54	MG	DA	2978	1/1	0.98	0.21	24,24,24,24	0
54	MG	AA	1659	1/1	0.98	0.23	81,81,81,81	0
54	MG	DA	3266	1/1	0.98	0.12	109,109,109,109	0
54	MG	DA	3423	1/1	0.98	0.14	62,62,62,62	0
54	MG	AA	1792	1/1	0.98	0.31	74,74,74,74	0
54	MG	BA	2923	1/1	0.98	0.20	44,44,44,44	0
54	MG	BA	2924	1/1	0.98	0.18	55,55,55,55	0
54	MG	DA	3270	1/1	0.98	0.25	70,70,70,70	0
54	MG	BA	3202	1/1	0.98	0.08	65,65,65,65	0
54	MG	BA	2925	1/1	0.98	0.24	46,46,46,46	0
54	MG	CA	1618	1/1	0.98	0.13	51,51,51,51	0
54	MG	AC	108	1/1	0.98	0.12	61,61,61,61	0
54	MG	AA	1625	1/1	0.98	0.26	62,62,62,62	0
54	MG	BA	2976	1/1	0.98	0.23	38,38,38,38	0
54	MG	CA	1711	1/1	0.98	0.38	75,75,75,75	0
54	MG	AA	1732	1/1	0.98	0.18	89,89,89,89	0
54	MG	AA	1715	1/1	0.98	0.11	76,76,76,76	0
54	MG	DA	3280	1/1	0.98	0.15	33,33,33,33	0
54	MG	DA	2994	1/1	0.98	0.24	37,37,37,37	0
54	MG	DA	3282	1/1	0.98	0.13	63,63,63,63	0
54	MG	AA	1630	1/1	0.98	0.38	55,55,55,55	0
54	MG	CA	1625	1/1	0.98	0.34	51,51,51,51	0
54	MG	DA	3285	1/1	0.98	0.30	56,56,56,56	0
54	MG	BA	3082	1/1	0.98	0.34	59,59,59,59	0
54	MG	BA	3211	1/1	0.98	0.04	43,43,43,43	0
54	MG	DA	3139	1/1	0.98	0.20	33,33,33,33	0
54	MG	DA	3604	1/1	0.98	0.15	43,43,43,43	0
54	MG	BA	3026	1/1	0.98	0.23	60,60,60,60	0
54	MG	BA	3030	1/1	0.98	0.17	47,47,47,47	0
54	MG	CC	106	1/1	0.98	0.09	79,79,79,79	0
54	MG	BA	3148	1/1	0.98	0.11	42,42,42,42	0
54	MG	BA	3149	1/1	0.98	0.19	61,61,61,61	0
54	MG	AA	1672	1/1	0.98	0.28	68,68,68,68	0
54	MG	DA	3779	1/1	0.98	0.11	72,72,72,72	0
54	MG	BA	2934	1/1	0.98	0.33	42,42,42,42	0
54	MG	DA	3147	1/1	0.98	0.17	42,42,42,42	0
54	MG	BA	2902	1/1	0.98	0.14	57,57,57,57	0
54	MG	DA	3008	1/1	0.98	0.21	34,34,34,34	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
54	MG	DA	3300	1/1	0.98	0.04	28,28,28,28	0
54	MG	BA	3292	1/1	0.98	0.12	54,54,54,54	0
54	MG	DA	3458	1/1	0.98	0.10	71,71,71,71	0
54	MG	AA	1764	1/1	0.98	0.09	96,96,96,96	0
54	MG	DA	3011	1/1	0.98	0.22	78,78,78,78	0
54	MG	DA	3012	1/1	0.98	0.27	35,35,35,35	0
54	MG	DA	3621	1/1	0.98	0.12	75,75,75,75	0
54	MG	BA	3035	1/1	0.98	0.18	48,48,48,48	0
54	MG	BA	3155	1/1	0.98	0.12	64,64,64,64	0
54	MG	CA	1639	1/1	0.98	0.17	42,42,42,42	0
54	MG	DA	3157	1/1	0.98	0.10	51,51,51,51	0
54	MG	BA	3522	1/1	0.98	0.06	54,54,54,54	0
54	MG	DA	3017	1/1	0.98	0.31	43,43,43,43	0
54	MG	DA	3160	1/1	0.98	0.13	48,48,48,48	0
54	MG	BA	2985	1/1	0.98	0.07	46,46,46,46	0
54	MG	BB	219	1/1	0.98	0.05	124,124,124,124	0
54	MG	AA	1992	1/1	0.98	0.06	106,106,106,106	0
54	MG	BA	3038	1/1	0.98	0.21	39,39,39,39	0
54	MG	DA	3166	1/1	0.98	0.06	25,25,25,25	0
54	MG	BA	2938	1/1	0.98	0.23	39,39,39,39	0
54	MG	DA	3025	1/1	0.98	0.19	25,25,25,25	0
54	MG	DA	3321	1/1	0.98	0.20	70,70,70,70	0
54	MG	DA	3026	1/1	0.98	0.33	34,34,34,34	0
54	MG	DA	3027	1/1	0.98	0.15	22,22,22,22	0
54	MG	DA	3324	1/1	0.98	0.18	34,34,34,34	0
54	MG	BB	223	1/1	0.98	0.15	122,122,122,122	0
54	MG	AA	1703	1/1	0.98	0.23	49,49,49,49	0
54	MG	BA	2940	1/1	0.98	0.21	27,27,27,27	0
54	MG	DB	208	1/1	0.98	0.21	135,135,135,135	0
54	MG	DA	3485	1/1	0.98	0.10	56,56,56,56	0
54	MG	BA	3098	1/1	0.98	0.20	60,60,60,60	0
54	MG	DA	3033	1/1	0.98	0.22	42,42,42,42	0
54	MG	DA	3177	1/1	0.98	0.20	38,38,38,38	0
54	MG	BA	3530	1/1	0.98	0.10	110,110,110,110	0
54	MG	CA	1651	1/1	0.98	0.28	76,76,76,76	0
54	MG	BA	3163	1/1	0.98	0.07	63,63,63,63	0
54	MG	BA	2990	1/1	0.98	0.22	48,48,48,48	0
54	MG	BA	2942	1/1	0.98	0.28	36,36,36,36	0
54	MG	CA	1841	1/1	0.98	0.21	119,119,119,119	0
54	MG	DA	3040	1/1	0.98	0.16	44,44,44,44	0
54	MG	BA	3044	1/1	0.98	0.10	114,114,114,114	0
54	MG	DA	3497	1/1	0.98	0.15	68,68,68,68	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
54	MG	BA	3102	1/1	0.98	0.05	113,113,113,113	0
54	MG	BA	3234	1/1	0.98	0.08	42,42,42,42	0
54	MG	CA	1659	1/1	0.98	0.25	101,101,101,101	0
54	MG	BA	3045	1/1	0.98	0.15	26,26,26,26	0
54	MG	DA	3661	1/1	0.98	0.18	79,79,79,79	0
54	MG	DA	3046	1/1	0.98	0.19	19,19,19,19	0
54	MG	AA	1940	1/1	0.98	0.30	91,91,91,91	0
54	MG	DA	3192	1/1	0.98	0.19	61,61,61,61	0
54	MG	BA	3311	1/1	0.98	0.14	48,48,48,48	0
54	MG	AA	1787	1/1	0.98	0.08	65,65,65,65	0
54	MG	DA	3507	1/1	0.98	0.29	86,86,86,86	0
54	MG	DE	301	1/1	0.98	0.21	27,27,27,27	0
54	MG	DA	2901	1/1	0.98	0.26	28,28,28,28	0
54	MG	DA	3196	1/1	0.98	0.26	106,106,106,106	0
54	MG	BA	3107	1/1	0.98	0.06	61,61,61,61	0
54	MG	BA	2946	1/1	0.98	0.28	50,50,50,50	0
54	MG	DA	3053	1/1	0.98	0.05	28,28,28,28	0
54	MG	DA	2906	1/1	0.98	0.29	27,27,27,27	0
54	MG	BA	3110	1/1	0.98	0.17	34,34,34,34	0
54	MG	AA	1892	1/1	0.98	0.16	99,99,99,99	0
54	MG	BA	3113	1/1	0.98	0.11	41,41,41,41	0
54	MG	DA	3677	1/1	0.98	0.14	85,85,85,85	0
54	MG	BA	2950	1/1	0.98	0.18	29,29,29,29	0
54	MG	CA	1856	1/1	0.98	0.04	74,74,74,74	0
54	MG	CA	1956	1/1	0.98	0.12	217,217,217,217	0
54	MG	DA	2916	1/1	0.98	0.24	35,35,35,35	0
54	MG	DA	2917	1/1	0.98	0.29	27,27,27,27	0
54	MG	CA	1670	1/1	0.98	0.24	56,56,56,56	0
54	MG	D0	203	1/1	0.98	0.09	63,63,63,63	0
54	MG	AA	1788	1/1	0.98	0.13	91,91,91,91	0
54	MG	DA	2920	1/1	0.98	0.26	21,21,21,21	0
54	MG	CA	1859	1/1	0.98	0.13	121,121,121,121	0
54	MG	AA	1621	1/1	0.98	0.30	50,50,50,50	0
54	MG	BA	2999	1/1	0.98	0.12	27,27,27,27	0
54	MG	CA	1766	1/1	0.98	0.30	51,51,51,51	0
54	MG	BA	3000	1/1	0.98	0.15	25,25,25,25	0
54	MG	CA	1768	1/1	0.98	0.14	52,52,52,52	0
54	MG	BA	2953	1/1	0.98	0.19	32,32,32,32	0
54	MG	DA	2929	1/1	0.98	0.28	24,24,24,24	0
54	MG	DA	2930	1/1	0.98	0.31	31,31,31,31	0
54	MG	DA	3695	1/1	0.98	0.12	60,60,60,60	0
54	MG	BA	2954	1/1	0.98	0.24	54,54,54,54	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
54	MG	BA	3251	1/1	0.98	0.18	78,78,78,78	0
54	MG	BA	3252	1/1	0.98	0.11	38,38,38,38	0
54	MG	DA	3378	1/1	0.98	0.08	76,76,76,76	0
54	MG	AA	2000	1/1	0.98	0.12	38,38,38,38	0
54	MG	DA	3701	1/1	0.98	0.20	92,92,92,92	0
54	MG	DA	3702	1/1	0.98	0.09	22,22,22,22	0
54	MG	DA	2937	1/1	0.98	0.22	25,25,25,25	0
54	MG	DA	2938	1/1	0.98	0.13	57,57,57,57	0
54	MG	BA	3556	1/1	0.98	0.10	82,82,82,82	0
54	MG	DA	2940	1/1	0.98	0.26	25,25,25,25	0
54	MG	DA	2941	1/1	0.98	0.19	39,39,39,39	0
54	MG	DA	2943	1/1	0.98	0.27	29,29,29,29	0
54	MG	DZ	102	1/1	0.98	0.07	79,79,79,79	0
54	MG	DA	2944	1/1	0.98	0.17	35,35,35,35	0
54	MG	AA	1962	1/1	0.98	0.15	55,55,55,55	0
54	MG	DA	3234	1/1	0.98	0.20	32,32,32,32	0
54	MG	AA	1817	1/1	0.98	0.09	89,89,89,89	0
54	MG	BA	3330	1/1	0.98	0.13	62,62,62,62	0
54	MG	BA	3405	1/1	0.98	0.16	82,82,82,82	0
54	MG	CA	1685	1/1	0.98	0.11	59,59,59,59	0
54	MG	BA	2915	1/1	0.98	0.21	34,34,34,34	0
54	MG	BA	3062	1/1	0.98	0.18	61,61,61,61	0
55	ZN	CQ	104	1/1	0.98	0.10	142,142,142,142	0
54	MG	AA	1669	1/1	0.99	0.32	54,54,54,54	0
54	MG	CA	1873	1/1	0.99	0.04	117,117,117,117	0
54	MG	DA	2912	1/1	0.99	0.28	27,27,27,27	0
54	MG	DA	2913	1/1	0.99	0.33	30,30,30,30	0
54	MG	BA	3047	1/1	0.99	0.17	41,41,41,41	0
54	MG	BA	2941	1/1	0.99	0.20	27,27,27,27	0
54	MG	DA	3106	1/1	0.99	0.30	44,44,44,44	0
54	MG	DA	3731	1/1	0.99	0.09	67,67,67,67	0
54	MG	DA	2973	1/1	0.99	0.29	24,24,24,24	0
54	MG	DA	3407	1/1	0.99	0.04	41,41,41,41	0
54	MG	AA	1718	1/1	0.99	0.07	63,63,63,63	0
54	MG	BA	3104	1/1	0.99	0.26	47,47,47,47	0
54	MG	DA	2976	1/1	0.99	0.31	31,31,31,31	0
54	MG	DA	3111	1/1	0.99	0.26	48,48,48,48	0
54	MG	DA	2977	1/1	0.99	0.05	32,32,32,32	0
54	MG	DA	3334	1/1	0.99	0.29	45,45,45,45	0
54	MG	BA	2943	1/1	0.99	0.28	44,44,44,44	0
54	MG	DA	2979	1/1	0.99	0.27	31,31,31,31	0
54	MG	BA	3003	1/1	0.99	0.11	40,40,40,40	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
54	MG	CA	1837	1/1	0.99	0.20	44,44,44,44	0
54	MG	CA	1714	1/1	0.99	0.10	64,64,64,64	0
54	MG	BA	2930	1/1	0.99	0.15	33,33,33,33	0
54	MG	BA	3108	1/1	0.99	0.10	41,41,41,41	0
54	MG	DA	2924	1/1	0.99	0.18	17,17,17,17	0
54	MG	BA	3265	1/1	0.99	0.04	40,40,40,40	0
54	MG	DA	3122	1/1	0.99	0.33	60,60,60,60	0
54	MG	BA	3027	1/1	0.99	0.15	46,46,46,46	0
54	MG	BA	3028	1/1	0.99	0.12	41,41,41,41	0
54	MG	BA	3111	1/1	0.99	0.21	53,53,53,53	0
54	MG	DA	2990	1/1	0.99	0.24	27,27,27,27	0
54	MG	BA	3236	1/1	0.99	0.11	33,33,33,33	0
54	MG	BA	3029	1/1	0.99	0.21	40,40,40,40	0
54	MG	BA	2983	1/1	0.99	0.21	27,27,27,27	0
54	MG	DA	3757	1/1	0.99	0.08	54,54,54,54	0
54	MG	DA	2932	1/1	0.99	0.21	23,23,23,23	0
54	MG	BA	3083	1/1	0.99	0.17	37,37,37,37	0
54	MG	DA	2934	1/1	0.99	0.13	22,22,22,22	0
54	MG	BA	2963	1/1	0.99	0.16	32,32,32,32	0
54	MG	BA	3274	1/1	0.99	0.22	116,116,116,116	0
54	MG	BA	2931	1/1	0.99	0.18	29,29,29,29	0
54	MG	DA	3000	1/1	0.99	0.24	31,31,31,31	0
54	MG	BA	3480	1/1	0.99	0.10	87,87,87,87	0
54	MG	CA	1896	1/1	0.99	0.20	67,67,67,67	0
54	MG	AA	1670	1/1	0.99	0.16	75,75,75,75	0
54	MG	BA	2947	1/1	0.99	0.17	30,30,30,30	0
54	MG	DA	3286	1/1	0.99	0.30	58,58,58,58	0
54	MG	D0	201	1/1	0.99	0.15	38,38,38,38	0
54	MG	DA	2942	1/1	0.99	0.21	38,38,38,38	0
54	MG	CA	1654	1/1	0.99	0.10	80,80,80,80	0
54	MG	CA	1617	1/1	0.99	0.23	44,44,44,44	0
54	MG	BA	2948	1/1	0.99	0.20	29,29,29,29	0
54	MG	CA	1734	1/1	0.99	0.21	73,73,73,73	0
54	MG	BA	3519	1/1	0.99	0.06	90,90,90,90	0
54	MG	CA	1948	1/1	0.99	0.17	89,89,89,89	0
54	MG	AA	1701	1/1	0.99	0.26	72,72,72,72	0
54	MG	AA	1921	1/1	0.99	0.16	76,76,76,76	0
54	MG	AA	1994	1/1	0.99	0.10	86,86,86,86	0
54	MG	CQ	103	1/1	0.99	0.06	122,122,122,122	0
54	MG	BA	2914	1/1	0.99	0.15	17,17,17,17	0
54	MG	AA	1822	1/1	0.99	0.13	107,107,107,107	0
54	MG	BA	2973	1/1	0.99	0.23	47,47,47,47	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
54	MG	AA	1786	1/1	0.99	0.18	93,93,93,93	0
54	MG	CA	1743	1/1	0.99	0.15	64,64,64,64	0
54	MG	DA	3229	1/1	0.99	0.17	33,33,33,33	0
54	MG	DA	3787	1/1	0.99	0.18	59,59,59,59	0
54	MG	DA	3021	1/1	0.99	0.30	47,47,47,47	0
54	MG	DA	2902	1/1	0.99	0.27	44,44,44,44	0
54	MG	DA	3023	1/1	0.99	0.24	28,28,28,28	0
54	MG	DA	2903	1/1	0.99	0.35	24,24,24,24	0
54	MG	DA	2960	1/1	0.99	0.29	34,34,34,34	0
54	MG	DA	3309	1/1	0.99	0.14	20,20,20,20	0
54	MG	BA	3096	1/1	0.99	0.20	37,37,37,37	0
54	MG	DA	3388	1/1	0.99	0.10	37,37,37,37	0
54	MG	CA	1958	1/1	0.99	0.13	106,106,106,106	0
54	MG	DA	3469	1/1	0.99	0.21	51,51,51,51	0
54	MG	DA	3312	1/1	0.99	0.13	51,51,51,51	0
54	MG	AA	1741	1/1	0.99	0.18	93,93,93,93	0
54	MG	DA	3165	1/1	0.99	0.15	33,33,33,33	0
54	MG	DA	2907	1/1	0.99	0.27	23,23,23,23	0
54	MG	DA	3096	1/1	0.99	0.24	57,57,57,57	0
54	MG	DA	3030	1/1	0.99	0.26	49,49,49,49	0
54	MG	BA	2956	1/1	0.99	0.17	38,38,38,38	0
55	ZN	AG	301	1/1	0.99	0.28	82,82,82,82	0
54	MG	DA	3170	1/1	0.99	0.27	31,31,31,31	0
54	MG	BA	2957	1/1	0.99	0.17	33,33,33,33	0
54	MG	DA	3479	1/1	0.99	0.11	73,73,73,73	0
54	MG	DA	3659	1/1	1.00	0.07	52,52,52,52	0
54	MG	DW	102	1/1	1.00	0.15	91,91,91,91	0
54	MG	AA	1880	1/1	1.00	0.09	80,80,80,80	0

6.5 Other polymers (i)

There are no such residues in this entry.