



wwPDB X-ray Structure Validation Summary Report ⓘ

Sep 17, 2023 – 12:03 AM EDT

PDB ID : 4V9B
Title : Crystal Structure of the 70S ribosome with tigecycline.
Authors : Jenner, L.; Yusupov, M.; Yusupova, G.
Deposited on : 2012-07-18
Resolution : 3.10 Å(reported)

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

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

A user guide is available at

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

with specific help available everywhere you see the ⓘ symbol.

The types of validation reports are described at

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

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

MolProbity : 4.02b-467
Mogul : 1.8.5 (274361), CSD as541be (2020)
Xtriage (Phenix) : 1.13
EDS : 2.35.1
buster-report : 1.1.7 (2018)
Percentile statistics : 20191225.v01 (using entries in the PDB archive December 25th 2019)
Refmac : 5.8.0158
CCP4 : 7.0.044 (Gargrove)
Ideal geometry (proteins) : Engh & Huber (2001)
Ideal geometry (DNA, RNA) : Parkinson et al. (1996)
Validation Pipeline (wwPDB-VP) : 2.35.1

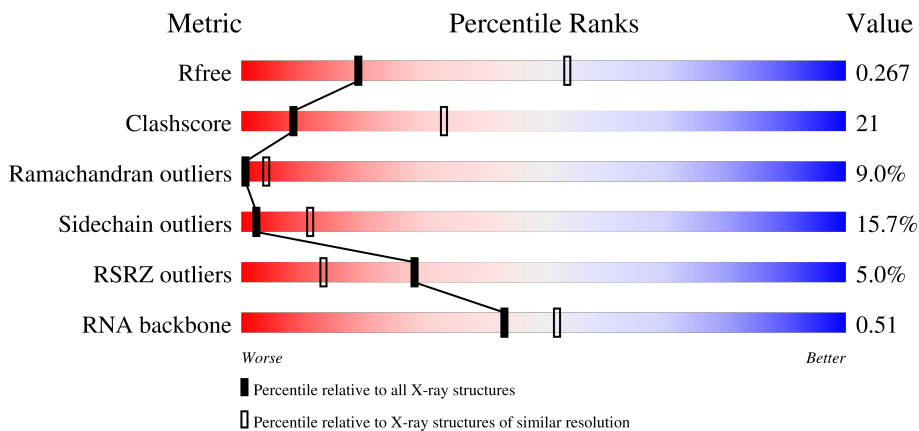
1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

X-RAY DIFFRACTION

The reported resolution of this entry is 3.10 Å.

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



Metric	Whole archive (#Entries)	Similar resolution (#Entries, resolution range(Å))
R_{free}	130704	1094 (3.10-3.10)
Clashscore	141614	1184 (3.10-3.10)
Ramachandran outliers	138981	1141 (3.10-3.10)
Sidechain outliers	138945	1141 (3.10-3.10)
RSRZ outliers	127900	1067 (3.10-3.10)
RNA backbone	3102	1116 (3.40-2.80)

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

Mol	Chain	Length	Quality of chain
1	AA	1506	 37% 48% 15%
1	CA	1506	 41% 43% 15%
2	AE	256	 7% 32% 43% 16% 7%
2	CE	256	 16% 28% 45% 18% 7%




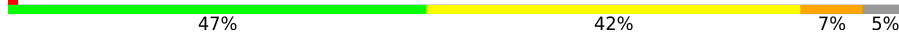


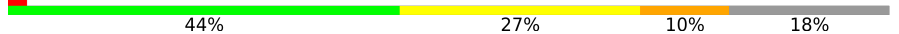
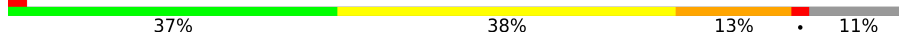
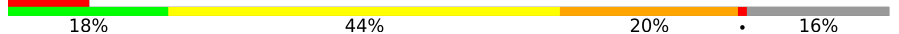
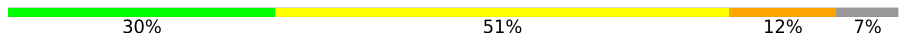
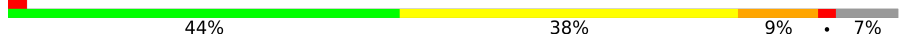

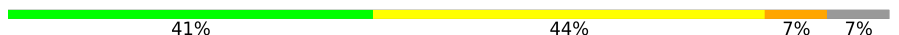












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Mol	Chain	Length	Quality of chain
3	AF	239	
3	CF	239	
4	AG	208	
4	CG	208	
5	AH	162	
5	CH	162	
6	AI	101	
6	CI	101	
7	AJ	156	
7	CJ	156	
8	AK	138	
8	CK	138	
9	AL	128	
9	CL	128	
10	AM	105	
10	CM	105	
11	AN	129	
11	CN	129	
12	AO	128	
12	CO	128	
13	AP	126	
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	CC	77	
22	CD	77	
23	A1	6	
23	C1	6	
24	BA	2912	
24	DA	2912	
25	BB	122	
25	DB	122	
26	BD	276	
26	DD	276	

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Mol	Chain	Length	Quality of chain
27	BE	206	4% 53% 37% 9%
27	DE	206	2% 35% 44% 17%
28	BF	210	2% 50% 40% 6%
28	DF	210	11% 39% 45% 13%
29	BG	182	24% 44% 43% 12%
29	DG	182	8% 37% 48% 14%
30	BH	180	3% 38% 41% 15% 6%
30	DH	180	23% 27% 45% 18% 6%
31	BK	148	11% 45% 41% 11%
31	DK	148	42% 41% 14%
32	BM	140	6% 44% 44% 11%
32	DM	140	% 48% 41% 10%
33	BN	122	% 71% 24%
33	DN	122	2% 52% 38% 11%
34	BO	150	3% 43% 37% 17%
34	DO	150	18% 35% 43% 19%
35	BP	141	4% 51% 35% 13%
35	DP	141	4% 43% 41% 16%
36	B0	118	% 51% 41% 7%
36	D0	118	58% 36% 5%
37	BQ	112	12% 37% 49% 13%
37	DQ	112	4% 37% 46% 14%
38	BR	146	3% 40% 46% 8% 6%
38	DR	146	% 40% 40% 14% 6%
39	B1	118	3% 51% 39% 8%

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Mol	Chain	Length	Quality of chain
39	D1	118	45% 42% 10% . .
40	B2	101	5% 50% 39% 9% .
40	D2	101	16% 31% 50% 14% 6%
41	BS	113	3% 61% 33% 6%
41	DS	113	2% 61% 31% 6% .
42	BT	96	4% 58% 30% 7% .
42	DT	96	5% 63% 24% 9% .
43	BU	110	8% 34% 36% 20% . 7%
43	DU	110	27% 41% 27% 20% 5% 7%
44	BV	206	30% 35% 33% 15% . 15%
44	DV	206	28% 28% 47% 12% 13%
45	B3	85	% 45% 38% 7% 11%
45	D3	85	2% 48% 38% 5% 9%
46	BZ	98	11% 51% 40% 7% . .
46	DZ	98	59% 31% 8% . .
47	BW	72	% 46% 39% 6% . 8%
47	DW	72	6% 40% 44% 11% .
48	BX	60	7% 50% 45% . .
48	DX	60	10% 57% 35% 5% . .
49	B4	71	59% 27% 34% 27% 6% 7%
49	D4	71	54% 20% 30% 31% 8% 11%
50	B5	60	15% 48% 25% 23% . .
50	D5	60	12% 53% 33% 12% .
51	B6	54	83% 17% 46% 20% 17%
51	D6	54	78% 17% 33% 31% . 17%

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Mol	Chain	Length	Quality of chain
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	1740	-	-	-	X
54	MG	AA	1773	-	-	-	X
54	MG	AA	1782	-	-	-	X
54	MG	AA	1818	-	-	-	X
54	MG	BA	3111	-	-	-	X
54	MG	BA	3180	-	-	-	X
54	MG	BA	3237	-	-	-	X
54	MG	BA	3288	-	-	-	X
54	MG	BA	3300	-	-	-	X
54	MG	BA	3353	-	-	-	X
54	MG	BA	3393	-	-	-	X
54	MG	BA	3423	-	-	-	X
54	MG	BA	3469	-	-	-	X
54	MG	BA	3503	-	-	-	X
54	MG	BA	3509	-	-	-	X
54	MG	BA	3510	-	-	-	X
54	MG	BA	3518	-	-	-	X
54	MG	BA	3522	-	-	-	X
54	MG	BA	3566	-	-	-	X
54	MG	BA	3580	-	-	-	X
54	MG	BA	3588	-	-	-	X
54	MG	BA	3594	-	-	-	X
54	MG	CA	1716	-	-	-	X
54	MG	CA	1785	-	-	-	X
54	MG	DA	3270	-	-	-	X
54	MG	DA	3324	-	-	-	X
54	MG	DA	3329	-	-	-	X
54	MG	DA	3460	-	-	-	X

2 Entry composition [i](#)

There are 56 unique types of molecules in this entry. The entry contains 295766 atoms, of which 0 are hydrogens and 0 are deuteriums.

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

- Molecule 1 is a RNA chain called 16S ribosomal RNA.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
			Total	C	N	O	P			
1	AA	1506	Total 32369	C 14408	N 5997	O 10459	P 1505	0	0	0
1	CA	1506	Total 32372	C 14408	N 5997	O 10461	P 1506	0	0	0

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

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

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

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

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

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

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
5	AH	151	Total	C	N	O	S	0	0	0
			1155	729	218	204	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	127	Total	C	N	O	0	0	0
			1010	639	197	174			
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			

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

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

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

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

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

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
			Total	C	N	O	S			
13	AP	116	928	574	191	161	2	0	0	0
13	CP	117	933	577	192	162	2	0	0	0

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

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

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

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

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

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

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

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

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

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
			Total	C	N	O			
18	AU	72	Total 591	C 376	N 117	O 98	0	0	0
18	CU	72	Total 591	C 376	N 117	O 98	0	0	0

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
			Total	C	N	O	S			
19	AV	83	Total 665	C 424	N 124	O 115	S 2	0	0	0
19	CV	78	Total 624	C 398	N 115	O 109	S 2	0	0	0

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

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

- 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.

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			

There are 16 discrepancies between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
AC	17A	C	U	CONFLICT	GB AP008226.1
AC	50	U	C	CONFLICT	GB AP008226.1
AC	51	C	G	CONFLICT	GB AP008226.1
AC	63	G	C	CONFLICT	GB AP008226.1
AD	17A	C	U	CONFLICT	GB AP008226.1
AD	50	U	C	CONFLICT	GB AP008226.1
AD	51	C	G	CONFLICT	GB AP008226.1
AD	63	G	C	CONFLICT	GB AP008226.1
CC	17A	C	U	CONFLICT	GB AP008226.1
CC	50	U	C	CONFLICT	GB AP008226.1
CC	51	C	G	CONFLICT	GB AP008226.1
CC	63	G	C	CONFLICT	GB AP008226.1
CD	17A	C	U	CONFLICT	GB AP008226.1
CD	50	U	C	CONFLICT	GB AP008226.1
CD	51	C	G	CONFLICT	GB AP008226.1
CD	63	G	C	CONFLICT	GB AP008226.1

- Molecule 23 is a RNA chain called MRNA.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
23	A1	6	Total	C	N	O	P	0	0	0
			129	58	24	41	6			

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
			Total	C	N	O	P			
23	C1	6	Total 129	C 58	N 24	O 41	P 6	0	0	0

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
			Total	C	N	O	P			
24	BA	2912	Total 62707	C 27911	N 11722	O 20163	P 2911	0	0	0
24	DA	2906	Total 62587	C 27857	N 11709	O 20116	P 2905	0	0	0

There are 14 discrepancies between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
BA	161	U	-	EXPRESSION TAG	GB AP008226.1
BA	654A	A	G	CONFLICT	GB AP008226.1
BA	654E	C	G	CONFLICT	GB AP008226.1
BA	654P	G	C	CONFLICT	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	166	U	-	INSERTION	GB AP008226.1
DA	654A	A	G	CONFLICT	GB AP008226.1
DA	654E	C	G	CONFLICT	GB AP008226.1
DA	654P	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
			Total	C	N	O	P			
25	BB	122	Total 2617	C 1166	N 486	O 844	P 121	0	0	0
25	DB	122	Total 2617	C 1166	N 486	O 844	P 121	0	0	0

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

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

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

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

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

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

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

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

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

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

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

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

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

- 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	118	Total	C	N	O	S	0	0	0
			968	604	203	160	1			
36	D0	117	Total	C	N	O	S	0	0	0
			960	599	202	159				

- 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			

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

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

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

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
			Total	C	N	O	S			
44	BV	175	1397	892	251	251	3	0	0	0
44	DV	179	1428	911	255	259	3	0	0	0

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
			Total	C	N	O	S			
45	B3	76	607	376	128	102	1	0	0	0
45	D3	77	613	379	129	104	1	0	0	0

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

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

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
			Total	C	N	O	S			
47	BW	66	558	346	113	98	1	0	0	0
47	DW	69	581	358	118	104	1	0	0	0

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

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
			Total	C	N	O			
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
			Total	C	N	O	S			
49	B4	66	Total	C	N	O	S	0	0	0
			533	335	96	97	5			
49	D4	63	Total	C	N	O	S	0	0	0
			515	326	93	91	5			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
			Total	C	N	O	S			
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
			Total	C	N	O	S			
51	B6	45	Total	C	N	O	S	0	0	0
			389	241	79	65	4			
51	D6	45	Total	C	N	O	S	0	0	0
			389	241	79	65	4			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
			Total	C	N	O	S			
52	B7	49	Total	C	N	O	S	0	0	0
			430	263	108	57	2			
52	D7	49	Total	C	N	O	S	0	0	0
			430	263	108	57	2			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
53	B8	61	Total	C	N	O	S	0	0	0
			488	312	99	75	2			
53	D8	61	Total	C	N	O	S	0	0	0
			488	312	99	75	2			

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

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
54	AA	236	Total	Mg	0	0
			236	236		
54	AG	1	Total	Mg	0	0
			1	1		
54	AH	1	Total	Mg	0	0
			1	1		
54	AN	2	Total	Mg	0	0
			2	2		
54	AQ	1	Total	Mg	0	0
			1	1		
54	AT	1	Total	Mg	0	0
			1	1		
54	AC	8	Total	Mg	0	0
			8	8		
54	AD	1	Total	Mg	0	0
			1	1		
54	A1	1	Total	Mg	0	0
			1	1		
54	BA	632	Total	Mg	0	0
			632	632		
54	BB	16	Total	Mg	0	0
			16	16		
54	BD	1	Total	Mg	0	0
			1	1		
54	BE	4	Total	Mg	0	0
			4	4		
54	BF	2	Total	Mg	0	0
			2	2		
54	BO	2	Total	Mg	0	0
			2	2		
54	B0	1	Total	Mg	0	0
			1	1		
54	B1	1	Total	Mg	0	0
			1	1		
54	B2	1	Total	Mg	0	0
			1	1		

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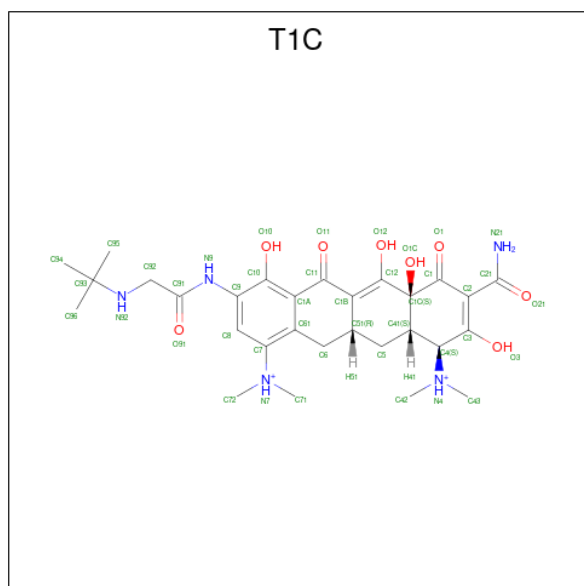
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54	B3	2	Total 2	Mg 2	0	0
54	B5	1	Total 1	Mg 1	0	0
54	B7	3	Total 3	Mg 3	0	0
54	B8	2	Total 2	Mg 2	0	0
54	CA	199	Total 199	Mg 199	0	0
54	CG	2	Total 2	Mg 2	0	0
54	CL	1	Total 1	Mg 1	0	0
54	CN	1	Total 1	Mg 1	0	0
54	CS	1	Total 1	Mg 1	0	0
54	CX	1	Total 1	Mg 1	0	0
54	CC	9	Total 9	Mg 9	0	0
54	DA	523	Total 523	Mg 523	0	0
54	DB	15	Total 15	Mg 15	0	0
54	DE	4	Total 4	Mg 4	0	0
54	DP	1	Total 1	Mg 1	0	0
54	DR	1	Total 1	Mg 1	0	0
54	D1	1	Total 1	Mg 1	0	0
54	DU	2	Total 2	Mg 2	0	0
54	D3	1	Total 1	Mg 1	0	0
54	D5	1	Total 1	Mg 1	0	0

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
54	D8	1	Total	Mg	0	0
			1	1		

- Molecule 55 is TIGECYCLINE (three-letter code: T1C) (formula: C₂₉H₄₁N₅O₈).



Mol	Chain	Residues	Atoms				ZeroOcc	AltConf
55	AA	1	Total	C	N	O	0	0
			42	29	5	8		
55	CA	1	Total	C	N	O	0	0
			42	29	5	8		

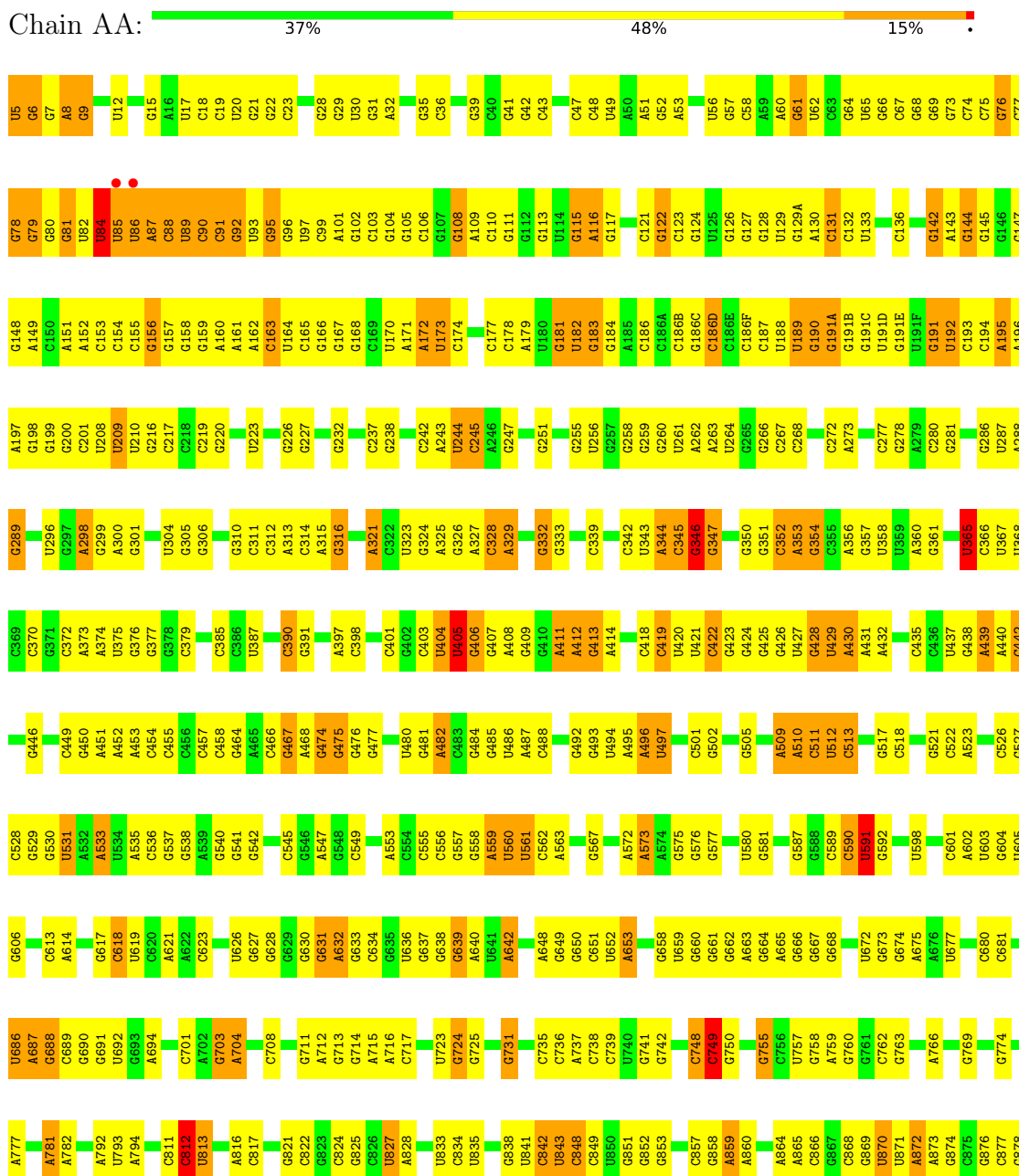
- Molecule 56 is ZINC ION (three-letter code: ZN) (formula: Zn).

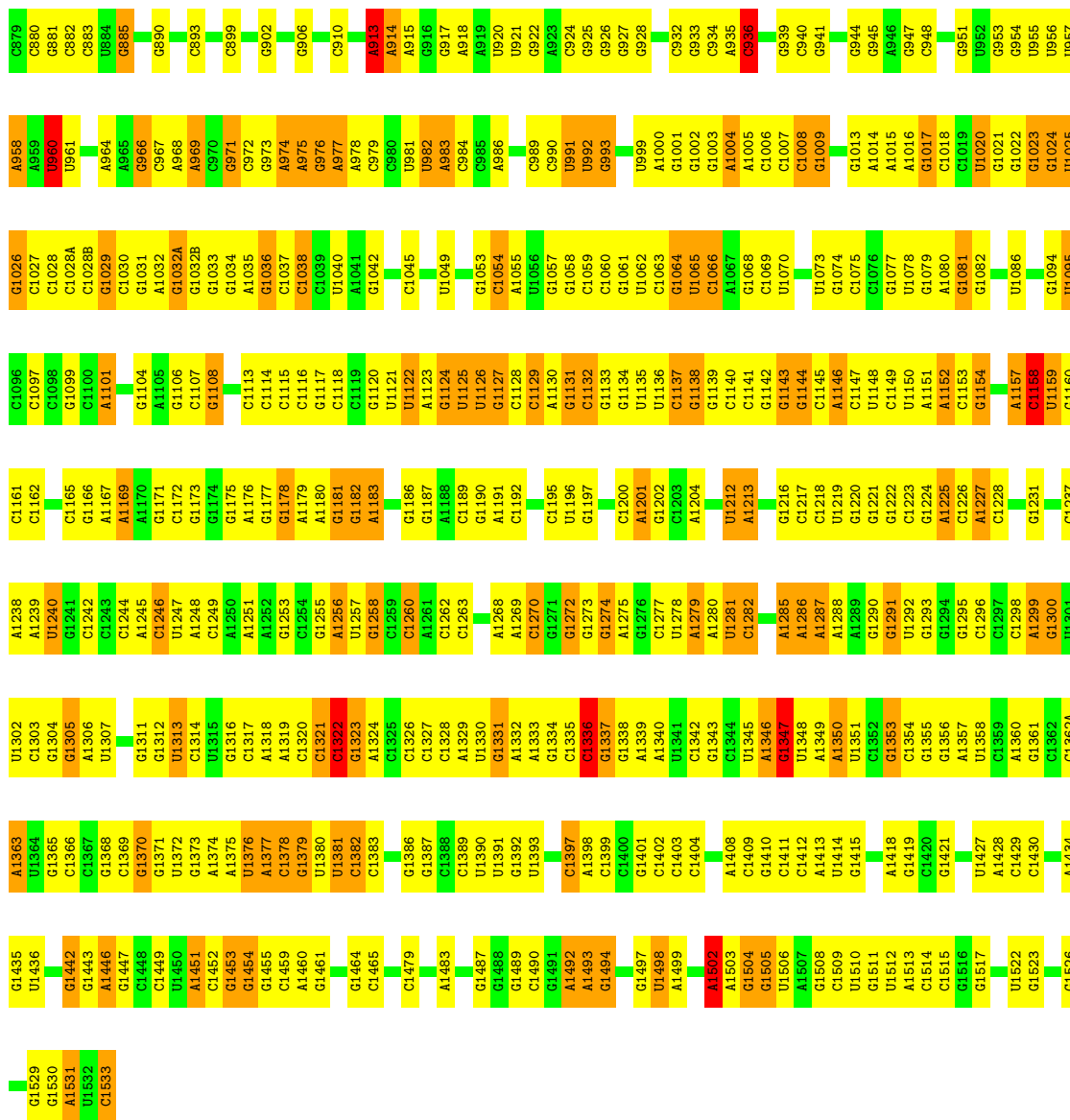
Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
56	AG	1	Total	Zn	0	0
			1	1		
56	AQ	1	Total	Zn	0	0
			1	1		
56	CG	1	Total	Zn	0	0
			1	1		
56	CQ	1	Total	Zn	0	0
			1	1		

3 Residue-property plots

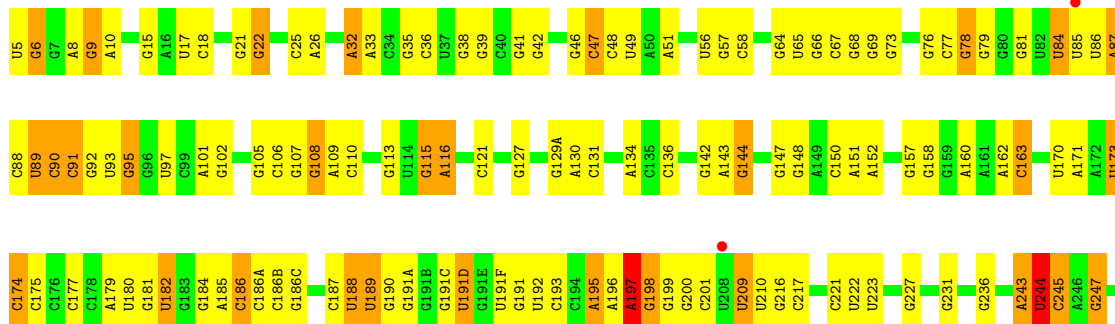
These plots are drawn for all protein, RNA, DNA and oligosaccharide chains in the entry. The first graphic for a chain summarises the proportions of the various outlier classes displayed in the second graphic. The second graphic shows the sequence view annotated by issues in geometry and electron density.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

• Molecule 1: 16S ribosomal RNA

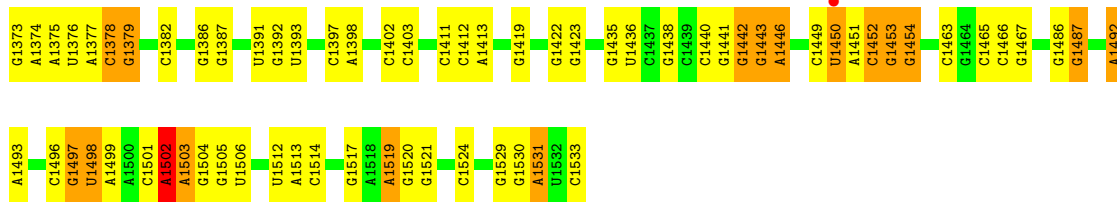




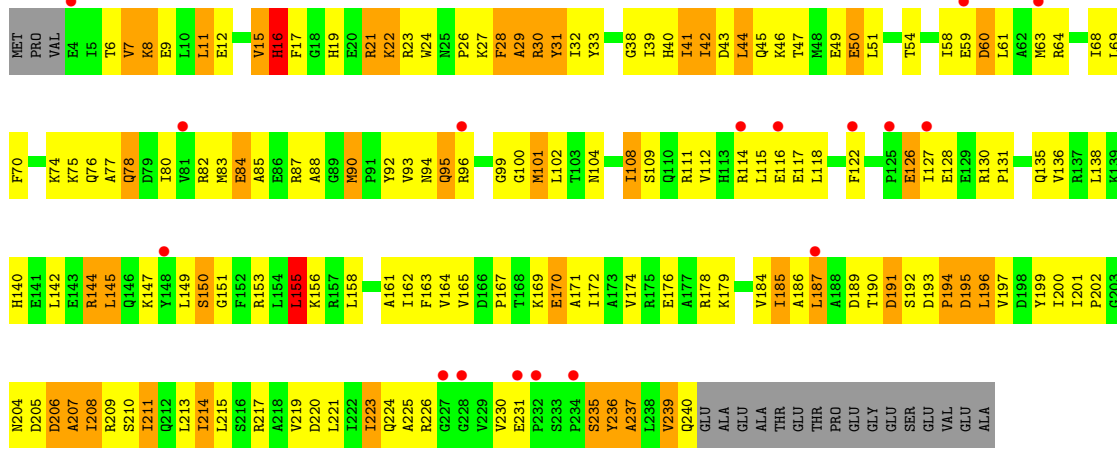
• Molecule 1: 16S ribosomal RNA



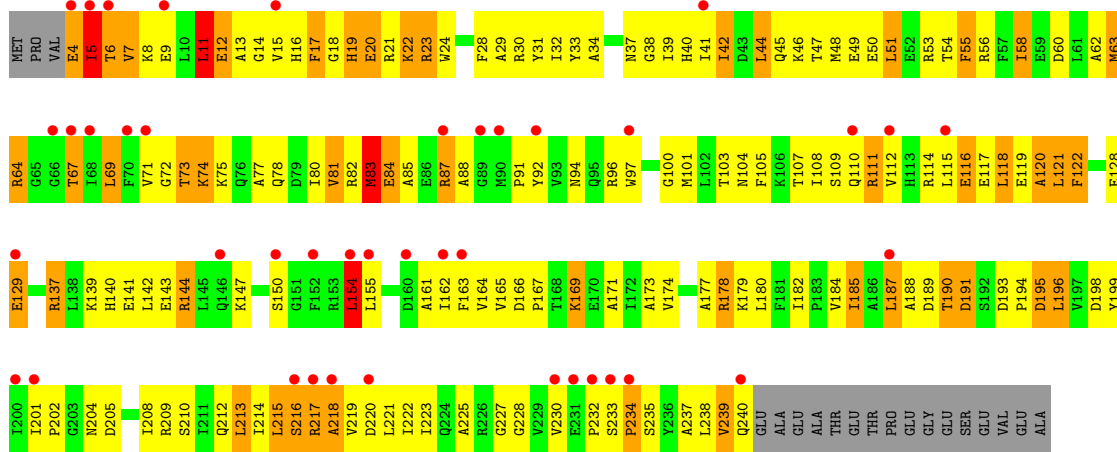
A1306 U1307 G1308 G1309 G1310 G1311 G1312	G1243 C1244 A1245 C1249 A1251 G1252 G1253 G1254 G1255 A1256 U1257 G1258 C1259 C1260 A1261 C1262 C1263 G1264 G1265 G1266 C1267 G1268 C1269 A1270 A1271 G1272 C1273 G1274 C1275 A1276 G1277 C1278 G1279 A1280 G1281 G1282 C1283 G1284 G1285 A1286 G1287 C1288 G1289 G1290 G1291 C1292 G1293 C1294 G1295 G1296 G1297 C1298 G1299 G1300 C1301 G1302 G1303 G1304 G1305	C1107 G1108 C1109 A1110 G1111 C1112 G1117 C1118 G1119 C1120 G1121 U1122 A1123 G1124 G1125 G1126 C1127 C1128 C1129 G1130 G1131 C1132 G1133 G1134 U1135 C1136 C1137 G1138 G1139 G1140 C1141 G1142 G1143 G1144 C1145 A1146 C1147 U1148 C1149 A1150 G1151 G1152 C1153 G1154 G1155 G1156 G1157 C1158 G1159 G1160 C1161 G1162 G1166 G1167 G1168 G1169 G1170 C1171 G1172 G1173 G1174	G1175 A1176 G1177 C1178 A1179 A1180 G1181 G1182 A1183 G1186 G1187 A1188 C1189 G1190 A1191 C1192 C1195 U1196 G1197 G1198 U1199 C1200 A1201 G1202 C1203 A1204 G1205 G1206 C1207 U1212 A1213 C1214 G1215 G1216 C1217 U1218 G1219 G1220 G1221 G1224 A1225 C1226 A1227 C1228 A1229 G1230 G1231 U1232 U1235 A1236 G1237 A1238 G1239 U1240	C985 A986 G987 C988 G989 G990 U991 G992 G993 A994 U997 G998 C999 C1000 G1001 C1002 A1004 A1005 A1006 C1007 C1008 G1009 G1010 G1011 A1014 G1015 A1016 C1017 G1018 C1019 U1020 G1021 G1022 G1023 G1024 U1025 G1026 C1027 C1028 C1028B C1029 C1030 G1031 A1032 G1032A G1032B G1033 G1034 A1035 G1036 A1102 C1037 C1038 C1039 U1040 A1041	U921 G922 A923 C924 G925 G926 G927 G928 C932 G933 C934 A935 C936 A937 A938 G939 C940 G941 G944 G945 A946 G947 C948 G951 U952 G953 C954 U955 G956 U957 C958 A959 G965 C966 G967 U968 C969 G970 A971 G972 G973 G974 C975 G976 G977 G978 G979 C980 U981 G982 G983 A984 G985 G986 C987 C988 C989 A988 G989 G990 U991 G992 C993 G994 C995 A996 G997 G998 G999 U999 G1000 C1001 G1002 A1004 A1005 A1006 C1007 C1008 G1009 G1010 G1011 A1014 G1015 A1016 C1017 G1018 C1019 U1020 G1021 G1022 G1023 G1024 U1025 G1026 C1027 C1028 C1028B C1029 C1030 G1031 A1032 G1032A G1032B G1033 G1034 A1035 G1036 A1102 C1037 C1038 C1039 U1040 A1041	U841 C842 U843 C844 C849 U850 G851 G852 G853 G854 C857 C858 A859 A860 G861 C862 U863 A864 A865 A866 A867 A868 A869 U870 G871 G872 G873 C874 C875 G876 C877 G878 G879 G880 U881 G882 C883 U884 G885 A886 C887 C888 C889 G890 U891 G892 G893 A894 U895 G896 C897 G898 G899 A900 G901 G902 G903 G904 G906 A909 C910 G911 A913 A914 A918 A919 U920	G755 G756 G757 G758 G759 G760 G761 G765 A766 A767 G768 G769 G770 G771 G772 G773 G774 G775 G776 A777 G778 G779 G780 G781 G782 G783 G784 G785 A786 A787 A788 A789 U790 G791 G792 U793 A794 G795 G796 G797 G798 G799 G800 U801 A802 G803 G804 C805 C811 C812 U813 A814 A815 A816 C817 C818 A819 U820 G821 C826 U827 A828 U833 G836 G837 G838	G671 U672 G673 G674 U677 U686 A687 G688 C689 G690 G691 U692 G693 G694 G695 G696 G697 C701 G702 G703 A704 C707 A715 G716 A717 G718 G719 G720 G721 G722 G723 G724 G725 A728 A729 G730 G731 G735 A737 C738 G739 A740 G741 G742 U743 C744 G745 A746 G747 G748 G749 G750 A753 C754	A583 G584 G585 C586 G587 G588 C589 G590 U591 G595 G596 C600 G601 A602 U603 G604 U605 G606 A614 G617 U618 U619 G620 A621 A622 G623 G627 G628 G629 G630 G631 A632 G633 U636 G637 A640 U641 G650 C651 U652 A653 U659 U660 U661 G652 C654 U671 A672 A673 G660 G661 G662 A663 G664 A665 G666 G667	C511 C514 G515 U516 C517 G518 G521 C522 A523 G524 C525 C526 G527 G528 A529 C530 U531 A532 G533 A534 C535 G536 A537 C538 G539 C540 G541 G542 G543 G544 C545 G546 G547 G548 C549 G550 U551 A552 A553 G559 U560 U561 C562 C564 U571 A572 A573 G576 G577 C578 G579 U580 U582	G425 G426 U427 G428 U429 A430 A431 G432 C433 C436 U437 A438 A439 A440 G441 C442 G443 C444 G445 G446 A447 A452 A453 C457 C458 C459 G464 A465 C466 G467 A468 G474 G475 G476 U480 C483 G484 G485 U486 G490 A491 G492 A495 A496 U497 C501 G502 C505 U421 C422 G423 G424	A250 G251 G255 U256 G260 U261 G265 G266 C267 A270 A279 G280 C281 G282 G283 G284 G289 A298 G299 A300 A313 C314 A315 G316 G317 G318 G319 C320 A321 C322 U323 G324 A325 G326 A327 C328 A329 G332 G333 G334 C335 C339 U340 C345 G346 G347 G348 A349 G423 G424
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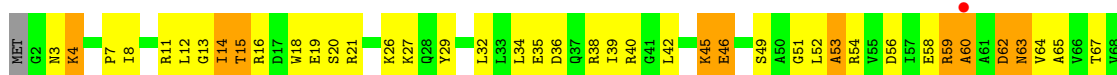
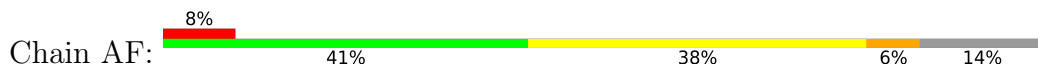
• Molecule 2: 30S RIBOSOMAL PROTEIN S2

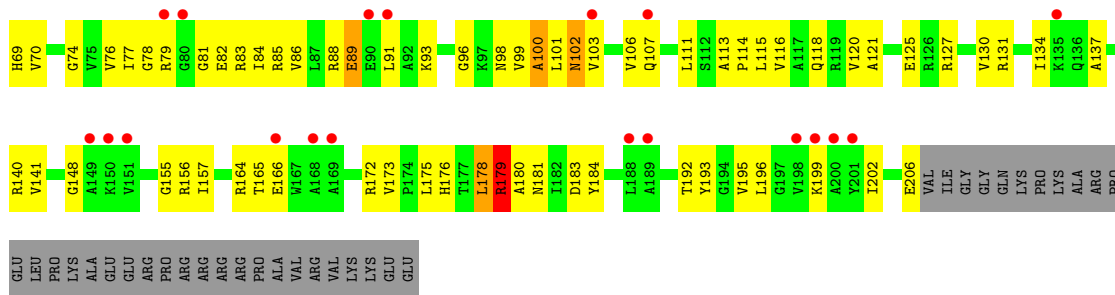


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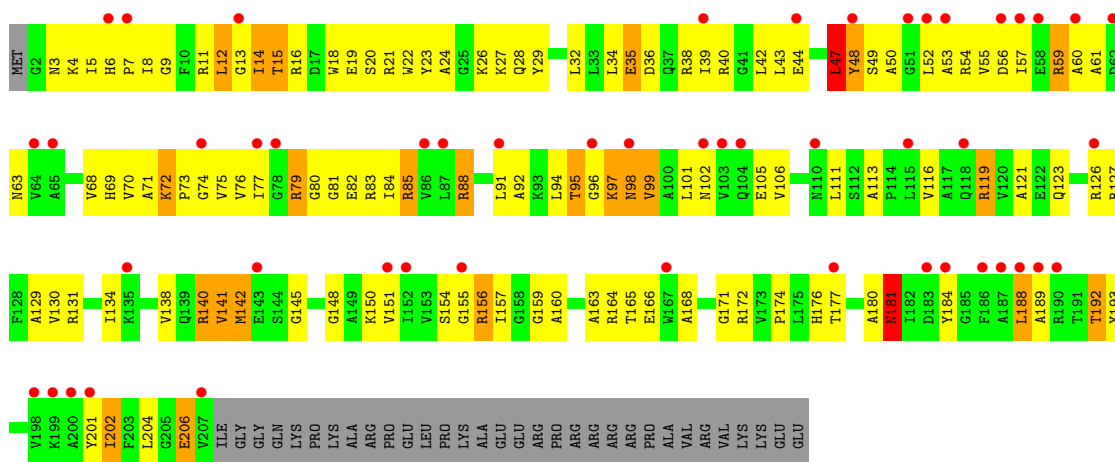


• Molecule 3: 30S RIBOSOMAL PROTEIN S3

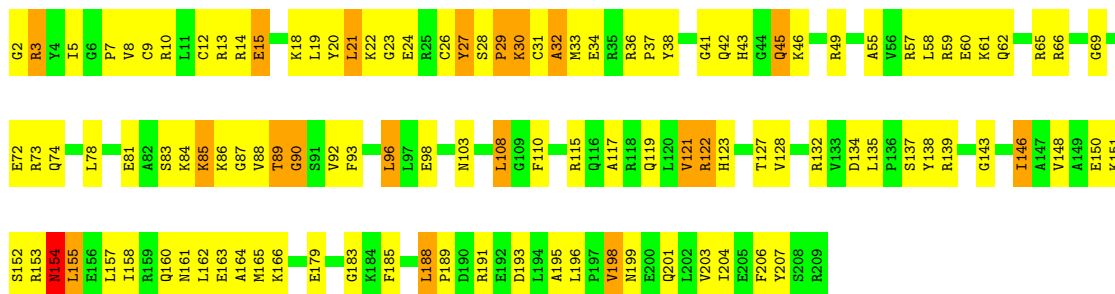




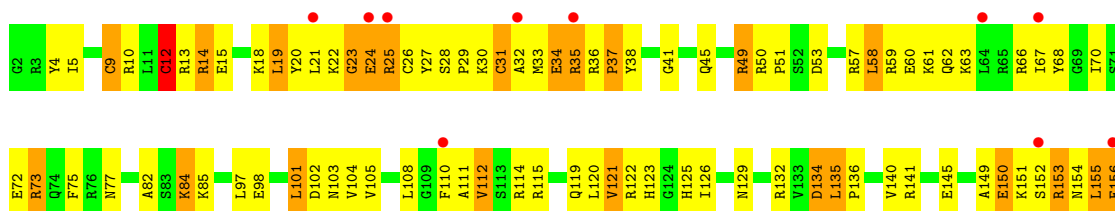
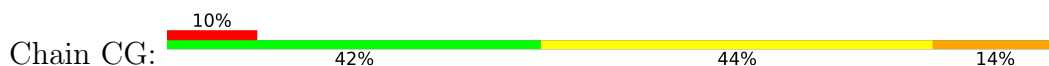
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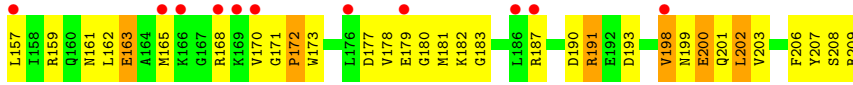


• Molecule 4: 30S RIBOSOMAL PROTEIN S4

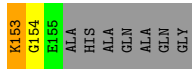
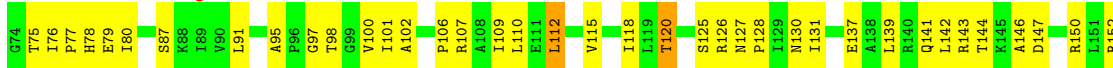
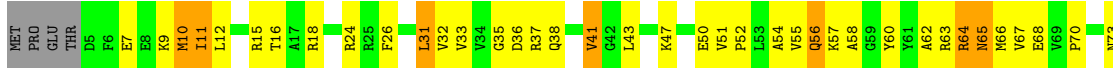


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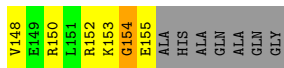




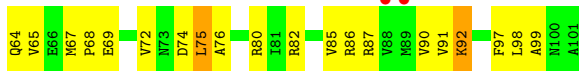
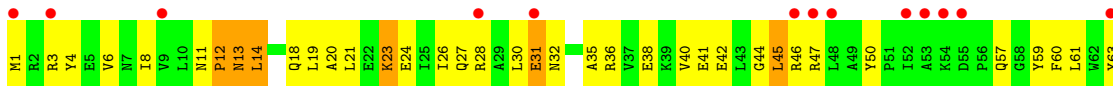
- Molecule 5: 30S RIBOSOMAL PROTEIN S5



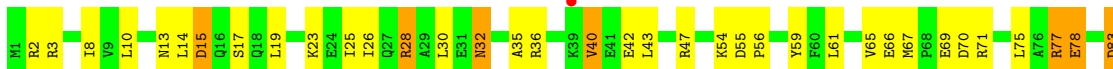
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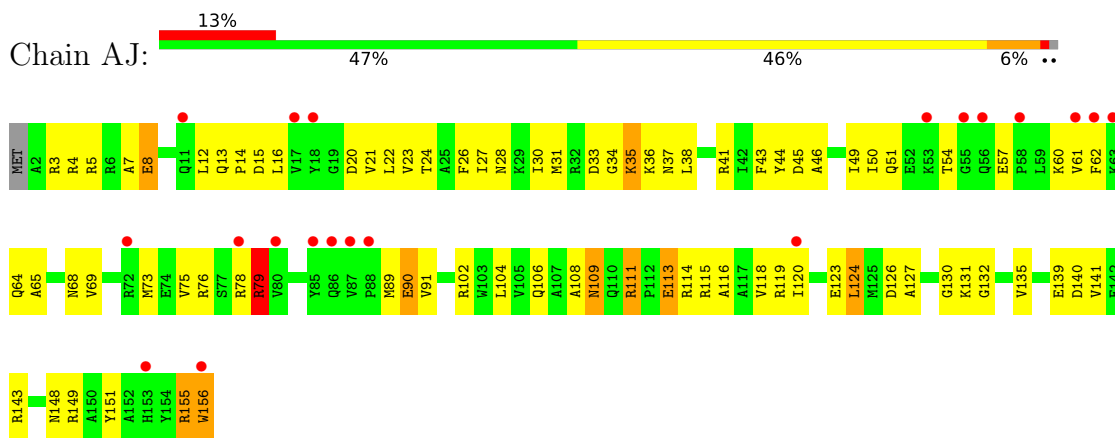
- Molecule 6: 30S RIBOSOMAL PROTEIN S6



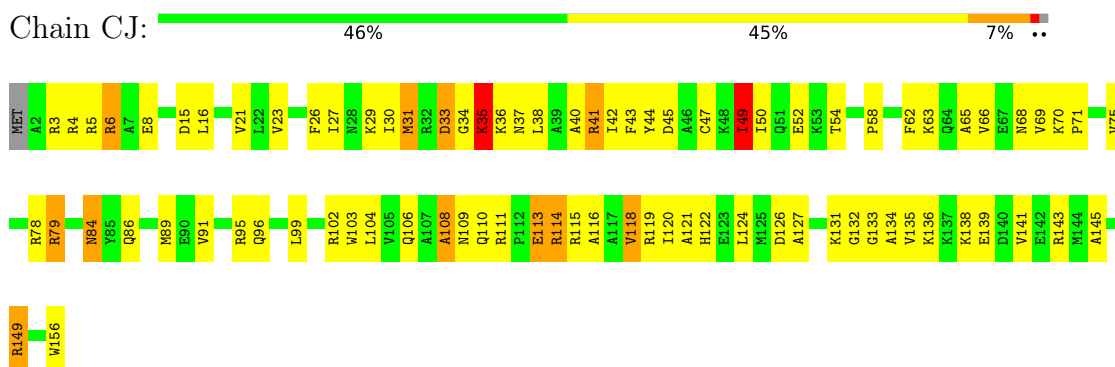
- Molecule 6: 30S RIBOSOMAL PROTEIN S6



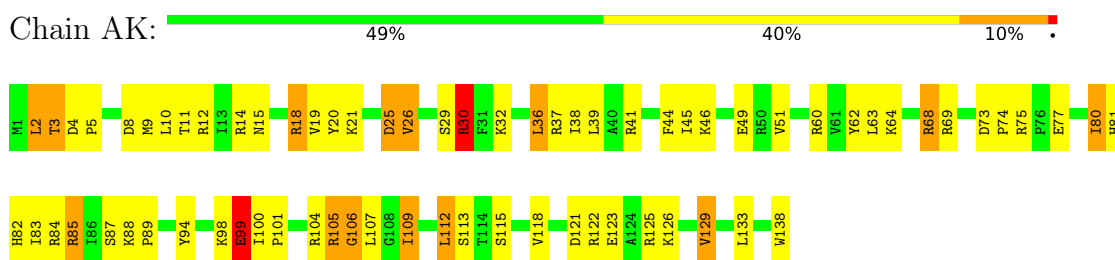
● Molecule 7: 30S RIBOSOMAL PROTEIN S7



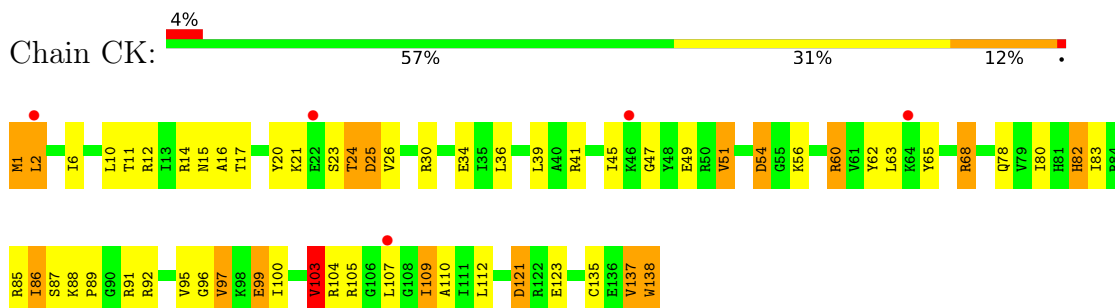
● Molecule 7: 30S RIBOSOMAL PROTEIN S7



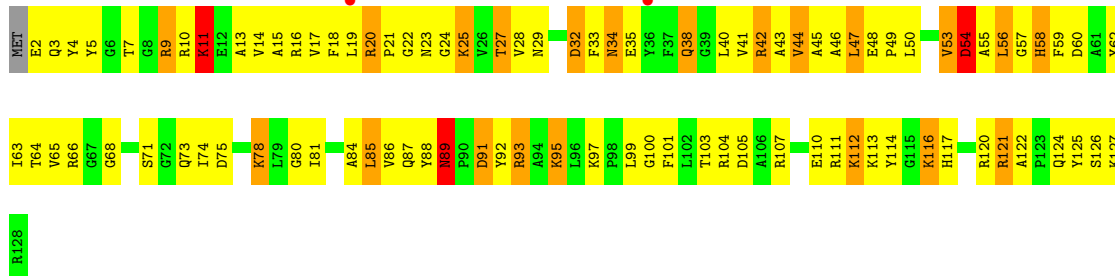
● Molecule 8: 30S RIBOSOMAL PROTEIN S8



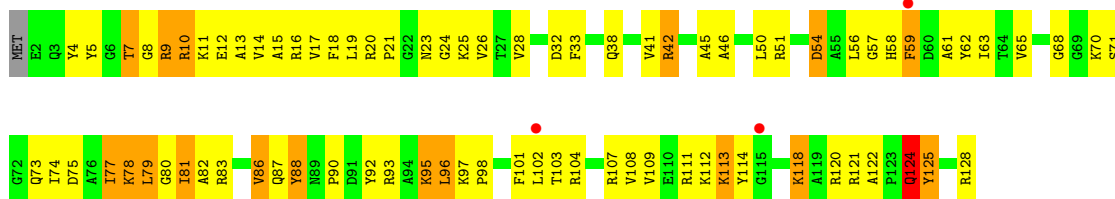
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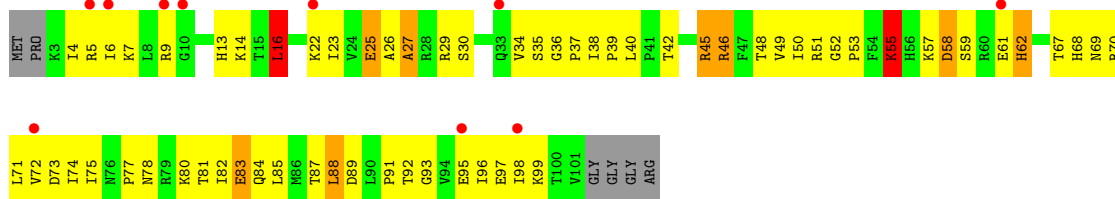
● Molecule 9: 30S RIBOSOMAL PROTEIN S9



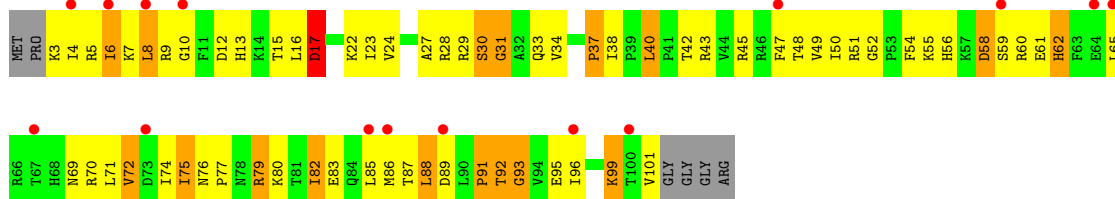
• Molecule 9: 30S RIBOSOMAL PROTEIN S9



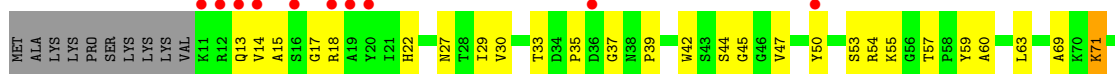
• Molecule 10: 30S RIBOSOMAL PROTEIN S10

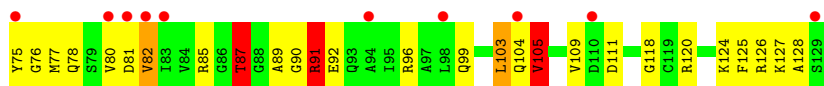


• Molecule 10: 30S RIBOSOMAL PROTEIN S10



• Molecule 11: 30S RIBOSOMAL PROTEIN S11





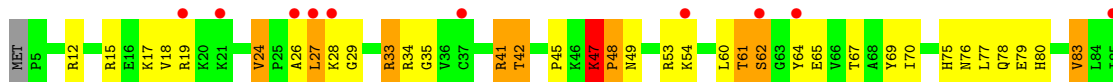
- Molecule 11: 30S RIBOSOMAL PROTEIN S11



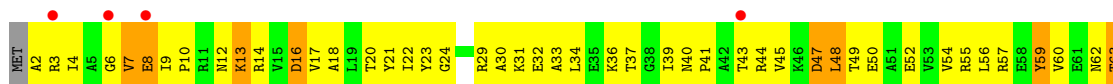
- Molecule 12: 30S RIBOSOMAL PROTEIN S12



- Molecule 12: 30S RIBOSOMAL PROTEIN S12

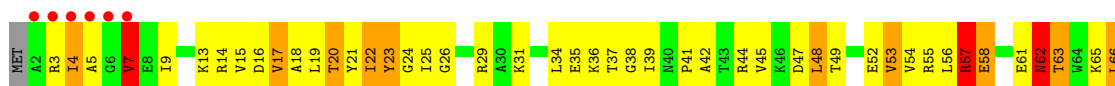


- Molecule 13: 30S RIBOSOMAL PROTEIN S13

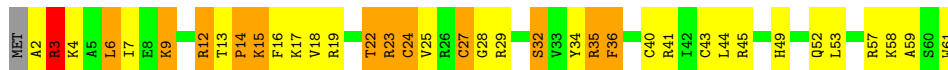
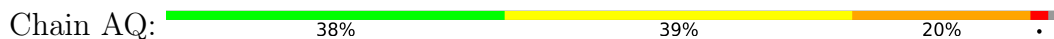


- Molecule 13: 30S RIBOSOMAL PROTEIN S13

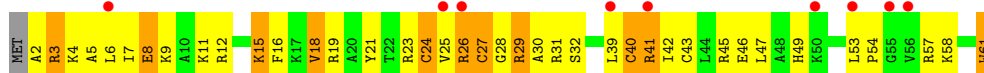




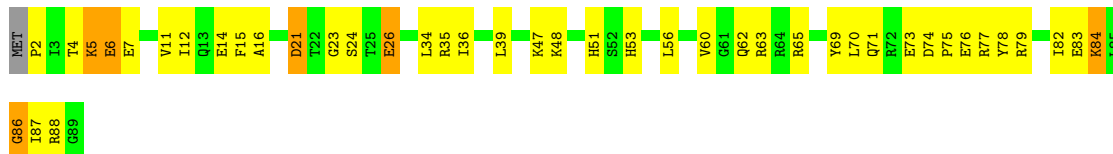
- Molecule 14: 30S RIBOSOMAL PROTEIN S14



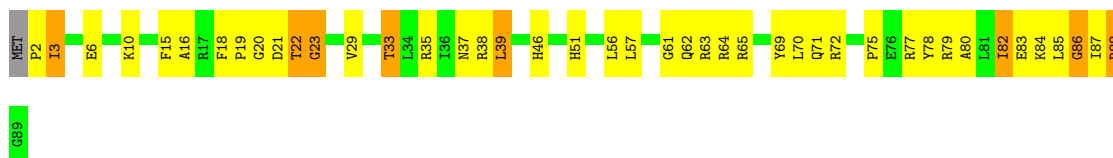
- Molecule 14: 30S RIBOSOMAL PROTEIN S14



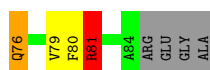
- Molecule 15: 30S RIBOSOMAL PROTEIN S15



- Molecule 15: 30S RIBOSOMAL PROTEIN S15

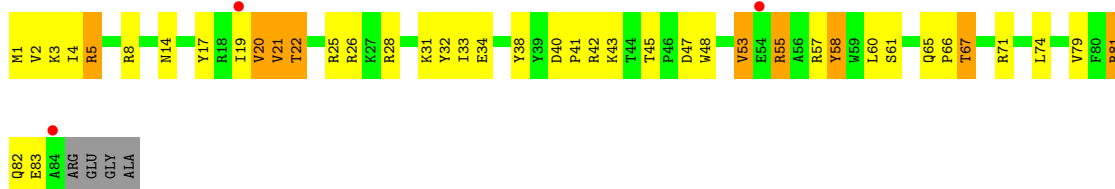


- Molecule 16: 30S RIBOSOMAL PROTEIN S16



- Molecule 16: 30S RIBOSOMAL PROTEIN S16

Chain CS: 



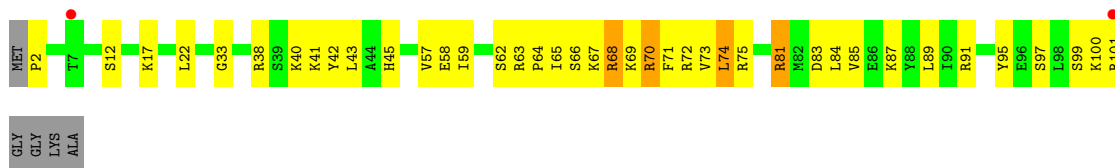
- Molecule 17: 30S RIBOSOMAL PROTEIN S17

Chain AT: 



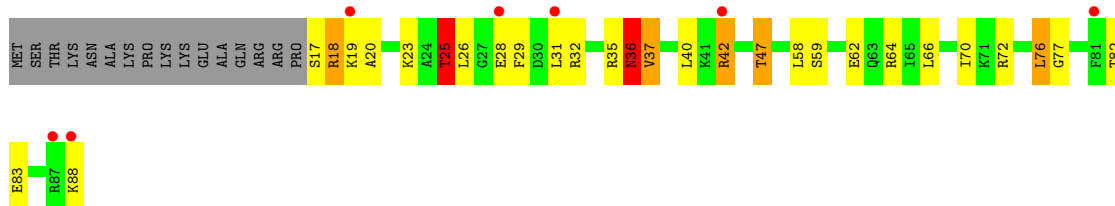
- Molecule 17: 30S RIBOSOMAL PROTEIN S17

Chain CT: 




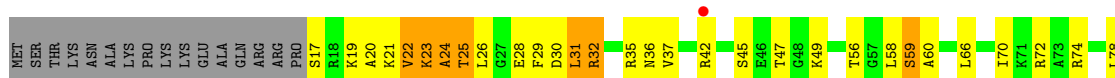
- Molecule 18: 30S RIBOSOMAL PROTEIN S18

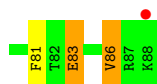
Chain AU: 



- Molecule 18: 30S RIBOSOMAL PROTEIN S18

Chain CU: 

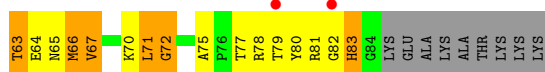
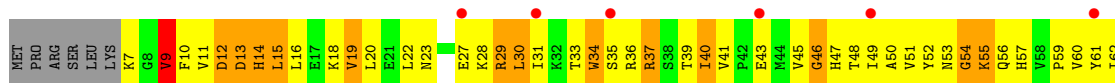
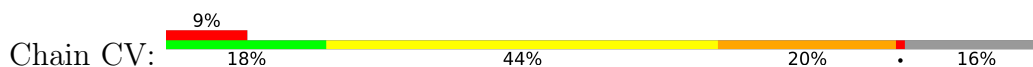




• Molecule 19: 30S RIBOSOMAL PROTEIN S19



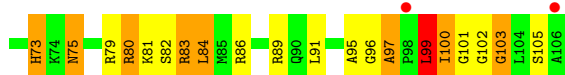
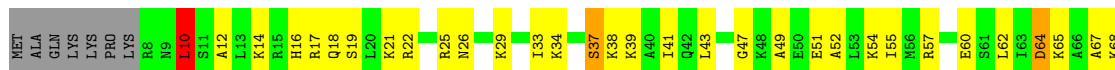
• Molecule 19: 30S RIBOSOMAL PROTEIN S19



• Molecule 20: 30S RIBOSOMAL PROTEIN S20



• Molecule 20: 30S RIBOSOMAL PROTEIN S20



• Molecule 21: 30S RIBOSOMAL PROTEIN THX





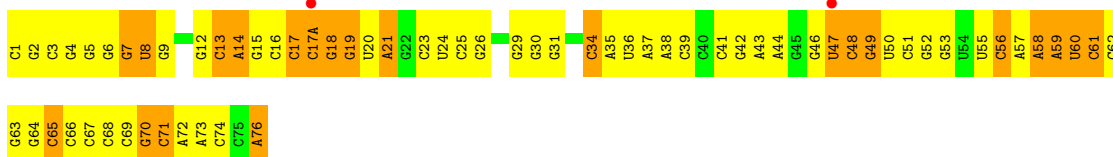
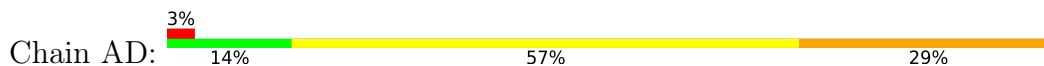
- Molecule 21: 30S RIBOSOMAL PROTEIN THX



- Molecule 22: TRNA-FMET



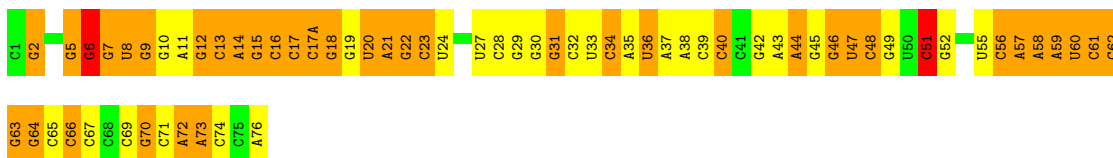
- Molecule 22: TRNA-FMET



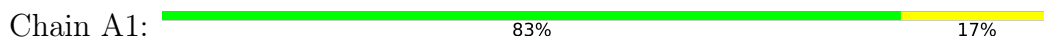
- Molecule 22: TRNA-FMET



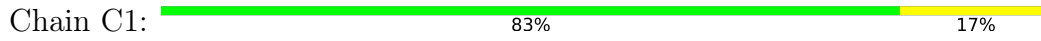
- Molecule 22: TRNA-FMET



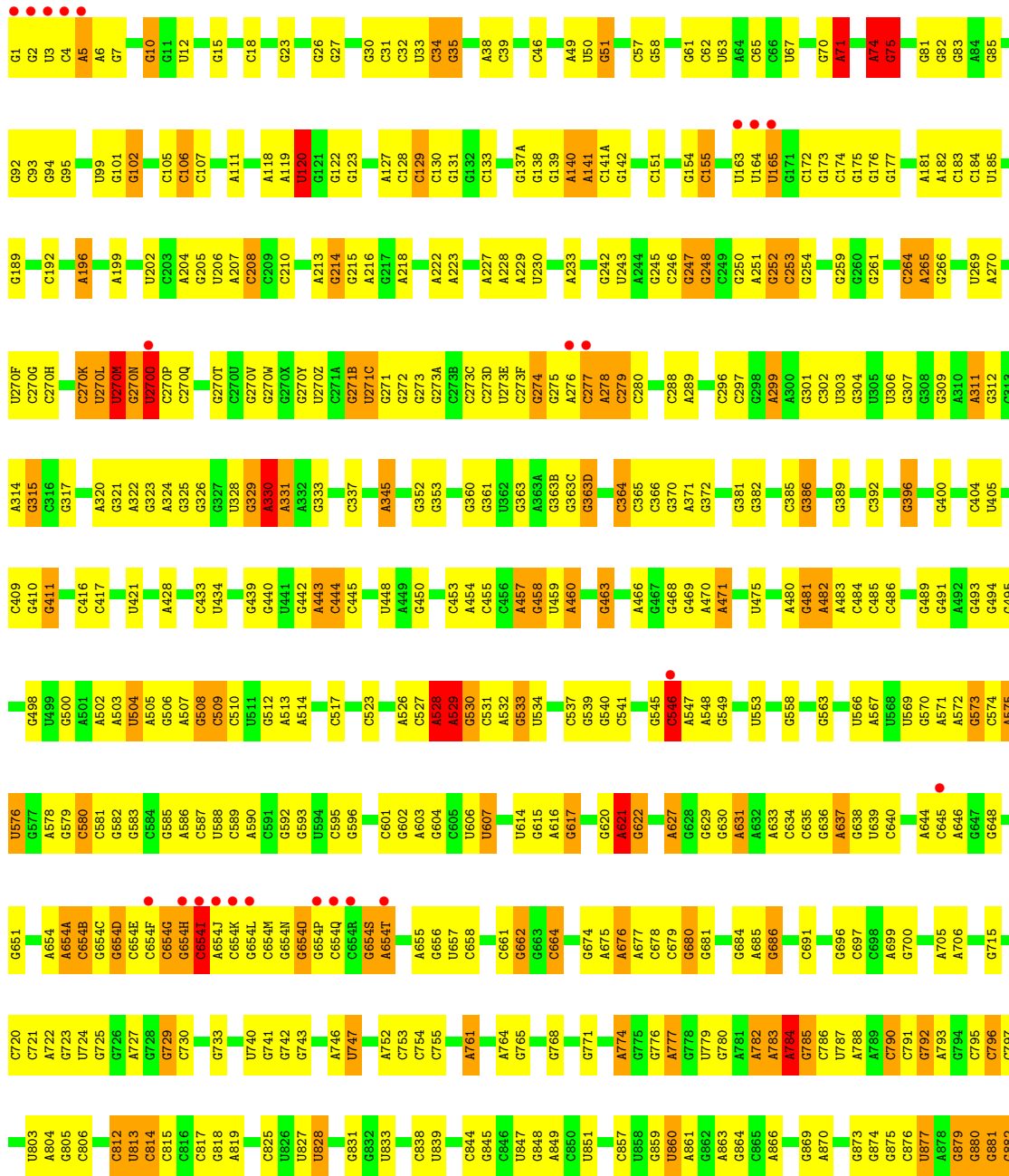
- Molecule 23: MRNA



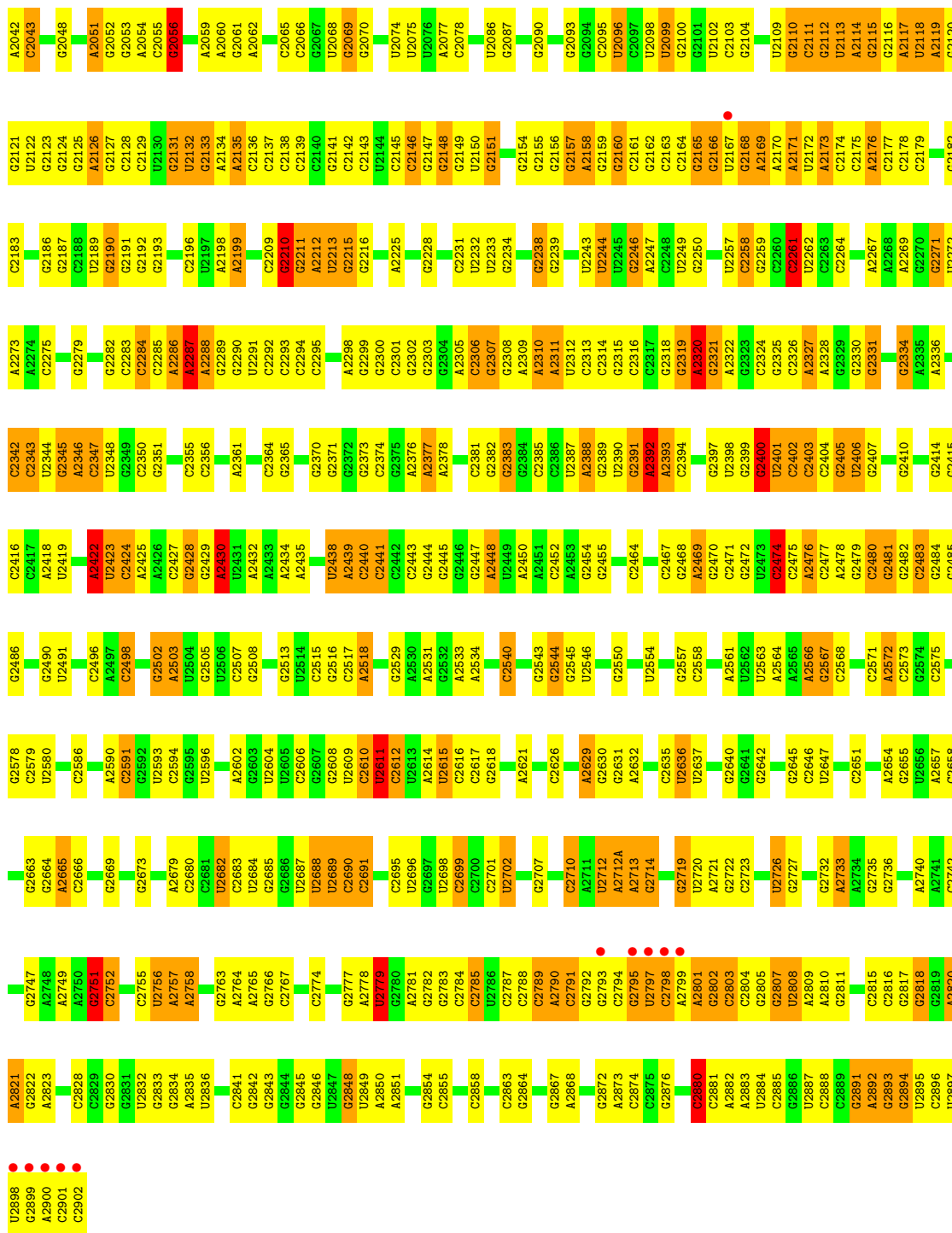
• Molecule 23: MRNA



• Molecule 24: 23S ribosomal RNA



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A1952	A1847	G1772	A1665	A1580	A1507	G1426	G1344	G1244	G1173	A1095	G1034	C964	C884
U1955	G1858	A1773	A1668	G1581	A1508	A1427	A1349	A1253	A1174	A1096	G1036	C968	C885
U1963	G1861	U1775	A1669	C1582	C1509	C1428	A1354	U1255	G1175	U1097	G1037	G968	C886
G1964	G1861	U1775	A1669	A1583	A1510	A1510	G1355	G1256	G1176	A1098	C1038	A973	C887
C1967	U1864	U1778	U1673	A1586	G1512	C1432	G1356	G1257	C1178	G1099	G1039	G974	C889
G1968	G1869	C1782	G1674	A1587	C1513	U1433	G1357	C1258	C1179	C1100	C1040	C974A	A890
A1969	C1870	U1783	C1675	A1588	U1514	U1434	U1358	G1259	C1180	C1102	C1041	C975	A892
A1970	A1871	A1782	A1676	C1589	C1515	U1438	A1359	G1260	A1103	A1103	C1042	C976	C893
A1971	A1872	A1784	G1678	G1591	G1517	A1439	A1358	G1261	C1104	C1043	C1043	C977	C894
A1972	G1878	A1786	C1686	C1592	C1518	G1440	A1360	G1262	U1105	U1105	G1044	A896	U895
G1973	A1787	A1787	G1687	G1519	G1519	G1441	G1364	A1265	U1106	G1107	A1045	A980	A896
C1974	C1788	G1594	U1688	U1520	U1520	G1442	A1365	G1266	G1107	G1107	A1046	A981	C897
G1975	A1689	G1595	A1689	G1521	G1521	G1442	A1366	U1267	U1188	G1047	A1046	A982	C898
A1978	U1693	G1596	U1693	G1522	G1522	A1444A	A1367	A1269	U1189	G1048	A1047	A983	A899
C1979	U1694	G1597	A1602	G1523	G1523	A1444B	A1368	G1270	G1190	A1111	C1049	A984	A900
G1980	G1607	C1527	A1603	G1524	G1524	U1446	G1372	A1271	G1191	G1112	A1050	C985	A901
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G1996	A1614	C1532	G1614	G1531	G1531	A1453	A1379	U1292	C1201	A1126	A1057	C991	U907
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C2008	U1730	U1540	U1730	G1540	G1540	G1467	A1394	U1300	U1211	G1137	U1066	A1000	A917
G2009	G1731	G1541	G1731	U1541	U1541	G1467	A1395	A1301	G1212	G1138	G1067	G1003	A918
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U2011	G1734	A1544	G1734	C1544	C1544	A1471	G1398	G1309	G1215	C1140	A1069	C1005	G929
G2012	C1636	A1545	C1636	A1545	A1545	A1472	G1402	U1312	G1216	U1142	A1070	C1006	U930
A2015	A1637	A1545A	A1637	A1545A	A1545A	A1473	C1403	U1313	C1218	A142A	A1072	C1007	G931
A2019	G1638	C1546	G1638	C1546	C1546	G1479	C1404	C1314	G1219	A1148	A1073	C1008	G932
U2022	U1741	G1547	U1741	U1547	U1547	U1482	U1405	C1315	G1220	G1149	C1075	A1010	G938
G2023	G1742	C1547	G1742	C1547	C1547	U1482	U1406	U1316	C1221	C1150	C1076	G1011	G939
G2024	G1743	G1551	G1743	C1547	C1547	G1483	U1407	A1317	C1222	C1151	A1077	U1012	G940
A2019	G1748	G1552	G1748	C1644	C1644	G1483	C1408	A1322	G1223	C1152	U1078	U1013	A941
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A2030	U1757	A1654	U1757	G1653	G1653	G1492	C1417	A1331	C1231	G1162	A1085	G1022	C951
A2031	G1835	A1654	G1835	A1656	A1656	C1493	G1418	G1332	G1236	G1163	A1086	U1023	G956
G2032	C1836	A1655	C1836	A1657	A1657	C1493	G1419	G1332	U1237	G1164	A1088	G1024	G956
A2033	G1839	C1658	G1839	C1658	C1658	A1496	U1420	G1334	G1237	U1165	A1089	G1025	A957
C2039	C1765	A1659	C1765	U1497	U1497	U1497	G1421	U1335	G1238	U1166	U1090	U1026	U958
C2040	U1766	C1658	U1766	C1498	C1498	C1498	G1422	U1335	G1238	C1166	G1091	A1027	A959
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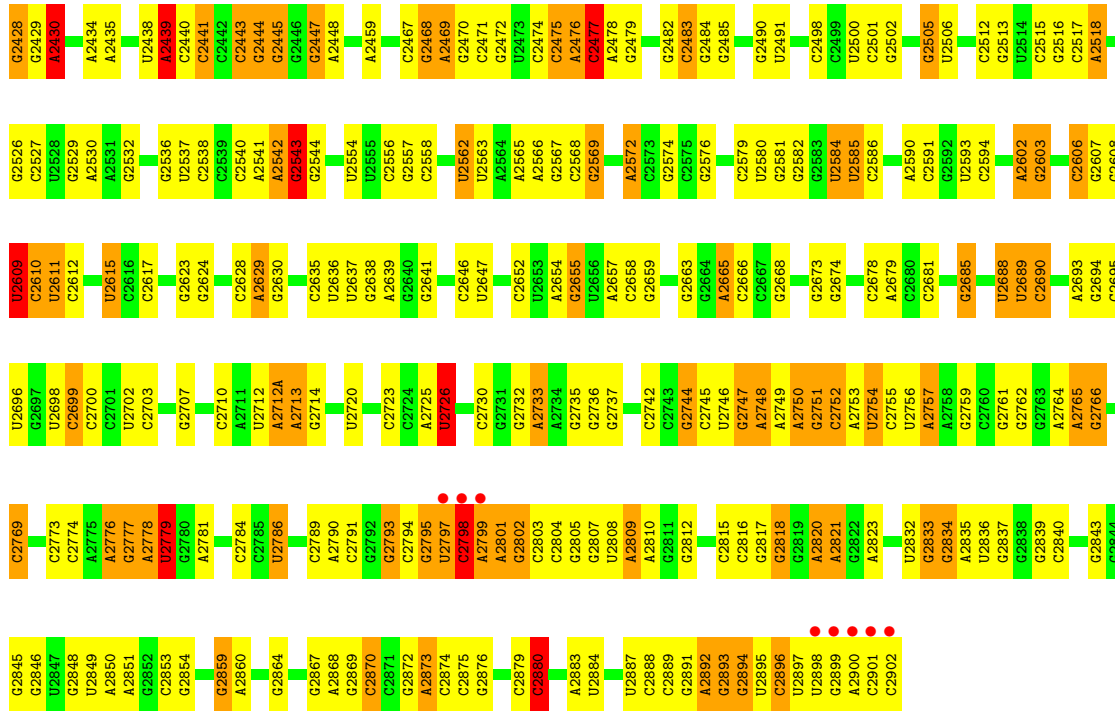


● Molecule 24: 23S ribosomal RNA

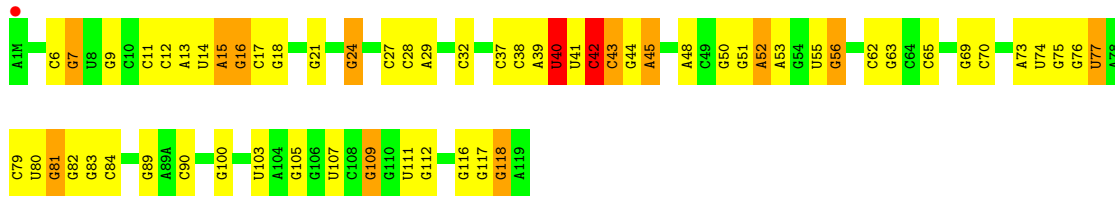


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U1078	A872	G1017	C790	A646	G570	A483	G389	G509	A258	A183	A1143
C1079	G873	C1018	C791	G647	G571	A489	G390	G510	G259	C183	G1144
A1080	G792	U1019	G792	G648	G572	G489	G391	A311	G265	C184	C1145
U1081	A793	U1020	C708	G649	G573	G491	G392	A265	A266	U185	G1149
A1082	A878	A1021	G712	C650	A575	A492	G393	G266	G193	G94	G1150
U1083	G879	G1022	G717	G651	U876	G493	G394	G270B	G102	G95	G1151
A1084	G880	U1023	A718	G652	A577	G494	G395	C270C	A103	A103	A1152
A1085	G881	G1024	G719	A653	A578	G495	G396	C270D	U108	U108	G1153
A1086	G882	G1025	C719	A654	G579	G496	G397	C270E	G109	G109	G1154
G1087	G883	U1026	C720	A655A	C580	A502	U403	U270F	U108	U108	G1155
U1088	G884	A1027	G720	A655B	C581	A503	C404	U270G	G109	G109	G1156
G1089	C885	A1028	C721	G654C	G582	U504	C405	C270G	U112	U112	C1157
U1090	G886	A1029	A722	G654D	G583	A505	U406	C270H	U112	U112	C1158
G1091	A887	G1030	G723	G654E	G584	G506	G407	C270I	U112	U112	U1159
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G1094	A900	G1033	G726	G654H	U588	C509	C409	U270L	A207	A207	C1162
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A1096	C892	U1035	G729	C654J	G592	G511	G411	U270N	U119	U119	G1164
U1097	G893	G1036	U813	A654K	G592	G512	G411	U270O	U120	U120	C1166
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C1103	A900	C1043	U828	G654R	G605	C527	G430	G270X	C134	C134	G1176
G1104	G902	U1044	U747	C654S	U607	A528	C435	G270Y	G134	G134	G1177
U1105	C902	A1045	G748	A654T	U607	A529	C436	A221	G138	G138	C1178
G1106	G903	U1046	C749	A655	C611	G530	C436	A222	G139	G139	C1179
U1107	C904	G1047	C749	G655	G612	C531	A443	A223	A140	A140	C1180
C1108	U905	A1048	A752	G656	U613	A532	C444	G271	A141	A141	G1181
A1109	G906	C1049	C753	U657	U614	G533	C444	G272	C141A	C141A	G1182
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C1111	C908	G1051	C755	C659	U616	G535	U448	C273D	C143	C143	G1184
U1112	A909	C1052	C756	G660	A616	G535	U448	U273E	G144	G144	C1185
G1113	G843	U1053	U757	G661	G617	C537	C453	C273F	G145	G145	C1186
U1114	G846	U1054	U758	G662	G617	G539	C454	G274	A149	A149	G1187
C1115	C848	C1055	C758	G666	G619	G540	A454	G275	G152	G152	C1188
U1116	A949	U1056	G768	G666	G620	C541	C455	G276	C153	C153	G1189
G1117	C850	G1057	G769	G668	A621	G546	U457	C277	C	C	G1190
C1118	U851	U1058	G770	A670	G622	C546	G458	A278	U	U	G1191
U1119	G854	C1059	G771	A670	G627	A547	U459	A279	U	U	G1192
G1120	G855	U1060	G771	C673	A627	A548	A460	C279	U	U	G1193
U1121	C856	G1061	A774	G674	G628	G549	A460	G290	G171	G171	C1201
C1122	G857	U1062	G775	A675	G629	U553	G463	G291	C172	C172	G1202
G1123	U858	G1063	G776	A676	G630	U554	U464	A363F	U	U	C1203
U1124	C859	C1064	G776	A677	A631	G556	U464	A289	U	U	G1204
C1125	G859	U1065	G776	A677	A631	G556	U464	G372	U	U	A1204
U1126	C860	U1066	U779	C678	C634	U557	G466	G290	U	U	U1205
G1127	A926	G1067	U779	C678	C635	U558	G466	C296	G171	G171	C1208
C1128	A861	U1068	G780	A685	C636	G558	G469	C297	C172	C172	G1209
U1129	G862	A1069	A781	A685	G637	G558	A470	G379	C249	C249	U1211
G1130	G863	U1070	A782	G686	A637	G558	A470	G379	G173	G173	C1212
C1131	G864	G1071	A783	C687	G638	U562	U465	A289	C174	C174	A1204
U1132	A866	U1072	A784	U688	U639	G563	G476	A300	G175	G175	U1205
G1133	A866	C1073	A784	U688	C640	C564	G476	G301	A251	A251	G1191
C1134	G867	U1074	G786	A689	C640	C564	A479	C302	G252	G252	G1192
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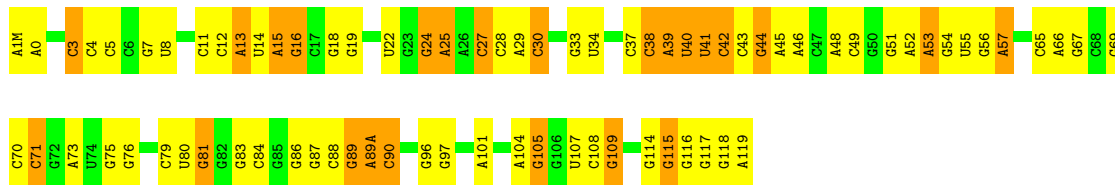
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C2347	G2277	G2184	G2124	G1849	C1761	G1646	C1564	G1483	G1409	A1321	G1224
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G2354	G2280	G2186	A2126	C1852	C1965	G1648	A1566	G1485	A1412	U1323	G1228
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A2411	C2258	A2170	C2107	G1929	G1823	U1730	A1616	C1462	C1462	A1287	
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A2425	A2268	G2116	G2116	G1950	G1839	G1743	G1627	A1472	A1472	U1299	
A2426	A2269	A2117	A2117	U1951	U1842	C1754	G1628	G1473	G1473	U1300	
C2427	G2271	A2118	A2118	A1952	G1842	A1754	U1629	C1474	C1474	A1301	
		A2119	A2119	U1955	G1846	G1756	U1639	G1476	G1476	C1403	
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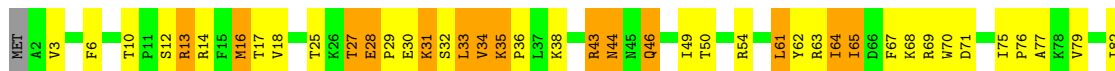
• Molecule 25: 5S RIBOSOMAL RNA

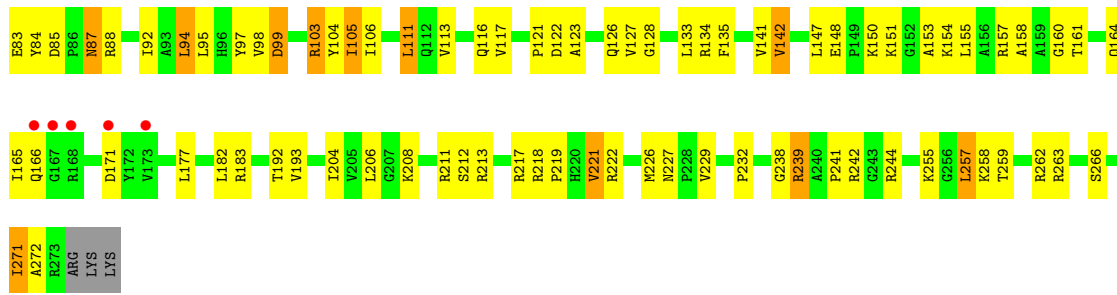


• Molecule 25: 5S RIBOSOMAL RNA

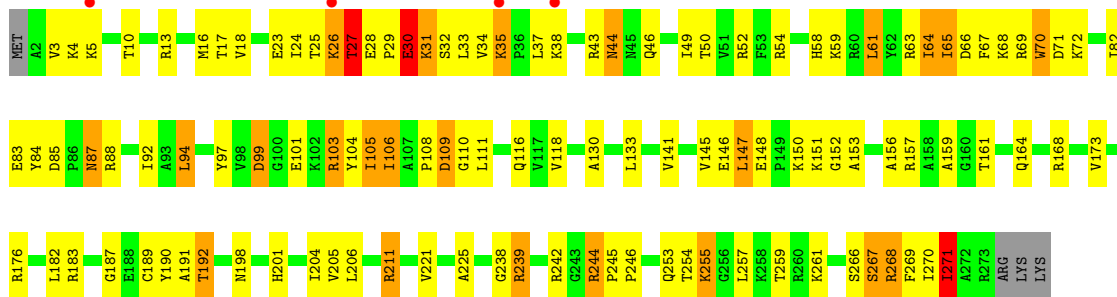


• Molecule 26: 50S ribosomal protein L2

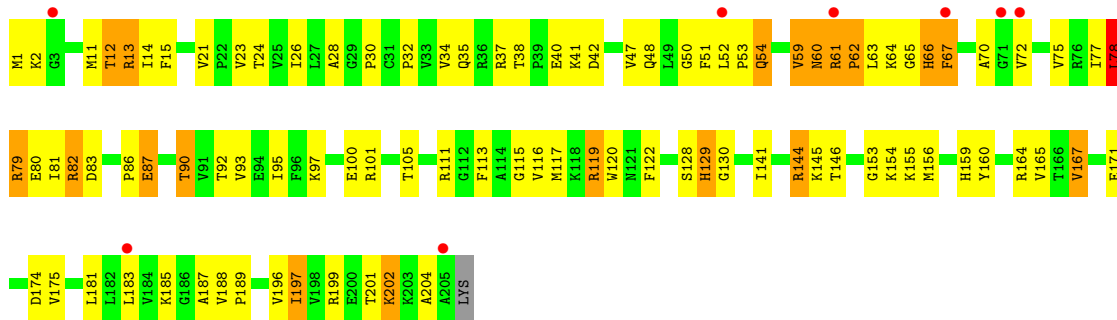




• Molecule 26: 50S ribosomal protein L2



• Molecule 27: 50S ribosomal protein L3

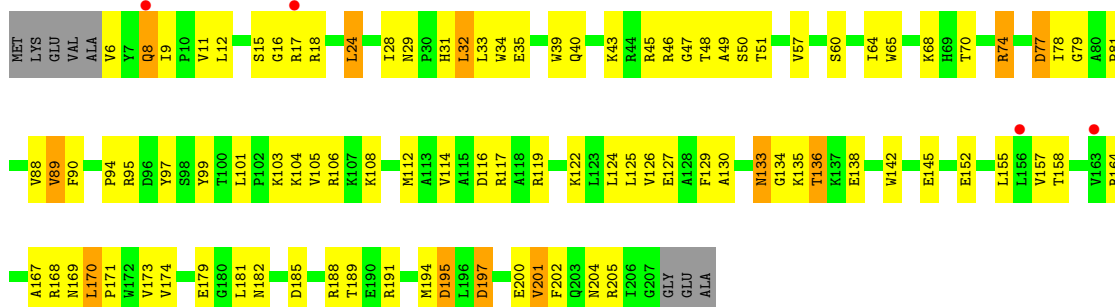


• Molecule 27: 50S ribosomal protein L3

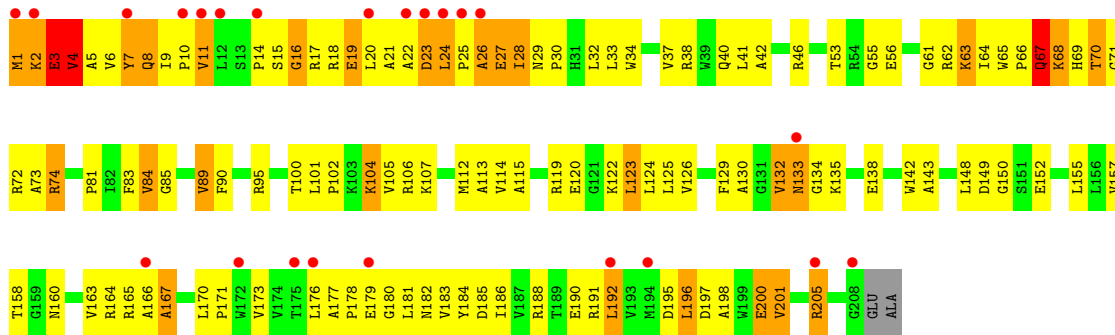




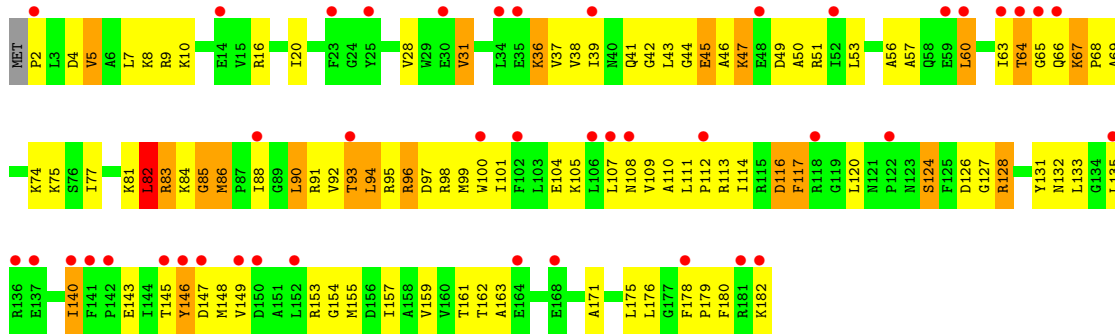
• Molecule 28: 50S ribosomal protein L4



• Molecule 28: 50S ribosomal protein L4

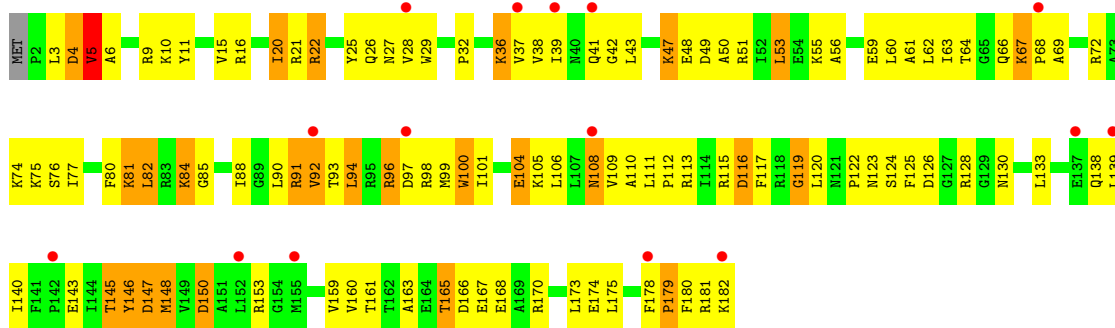


• Molecule 29: 50S ribosomal protein L5

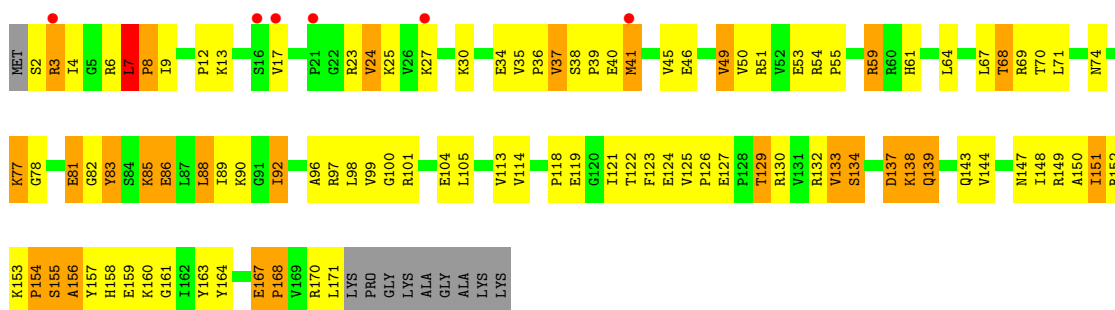
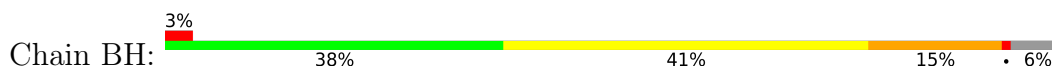


• Molecule 29: 50S ribosomal protein L5

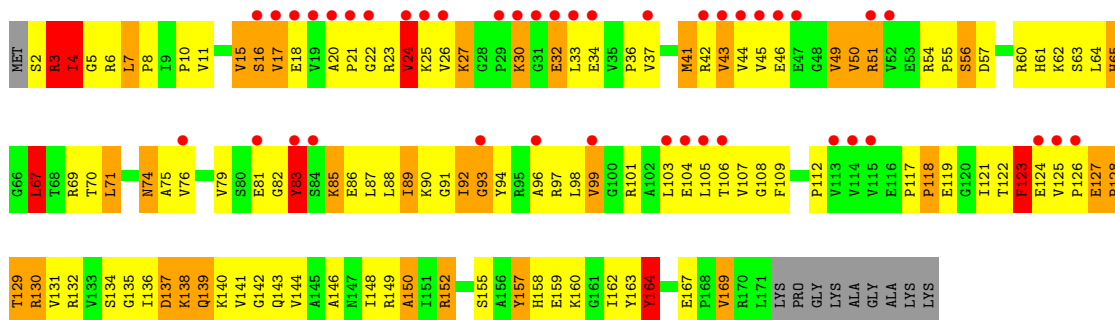
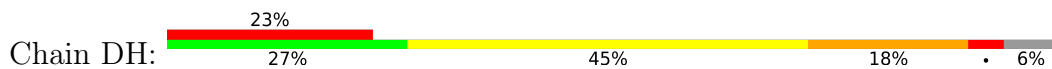




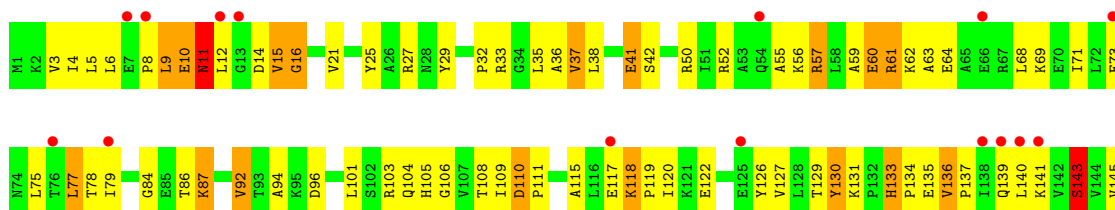
- Molecule 30: 50S ribosomal protein L6



- Molecule 30: 50S ribosomal protein L6



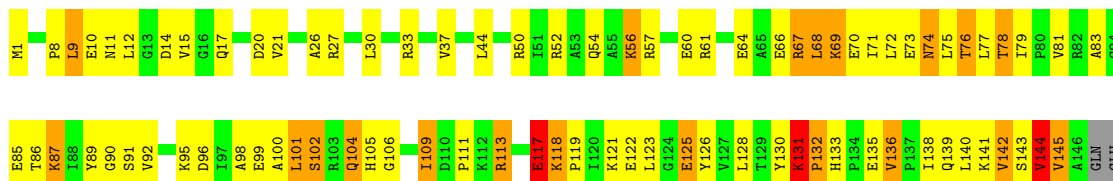
- Molecule 31: 50S ribosomal protein L9





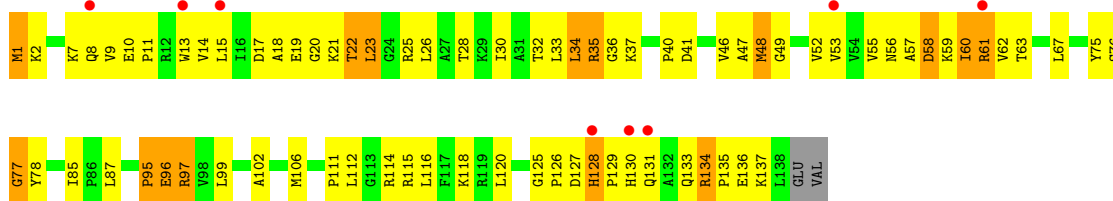
- Molecule 31: 50S ribosomal protein L9

Chain DK: 42% 41% 14% ..



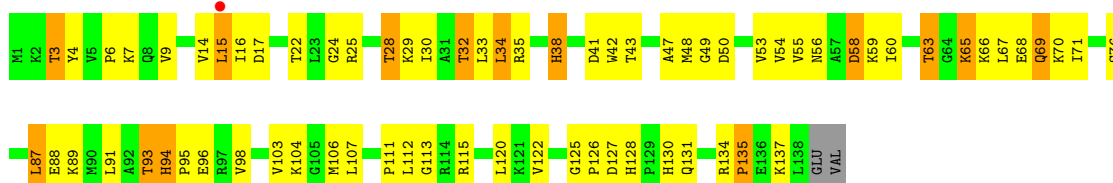
- Molecule 32: 50S ribosomal protein L13

Chain BM: 6% 44% 44% 11% .



- Molecule 32: 50S ribosomal protein L13

Chain DM: 48% 41% 10% .



- Molecule 33: 50S ribosomal protein L14

Chain BN: 71% 24% ..



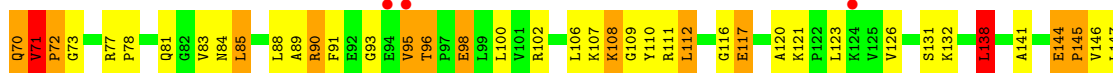
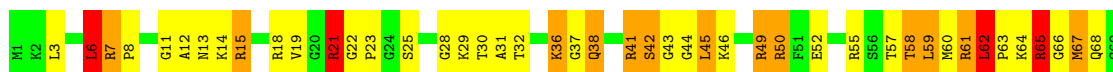
- Molecule 33: 50S ribosomal protein L14

Chain DN: 52% 38% 11%

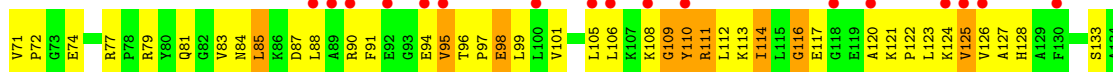




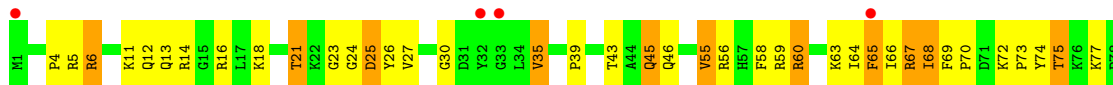
- Molecule 34: 50S ribosomal protein L15



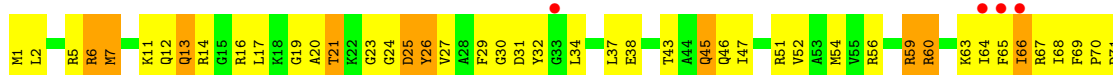
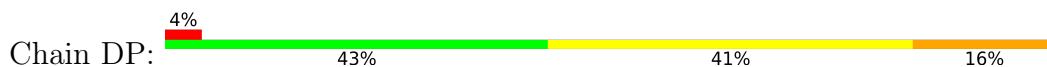
- Molecule 34: 50S ribosomal protein L15



- Molecule 35: 50S ribosomal protein L16



- Molecule 35: 50S ribosomal protein L16

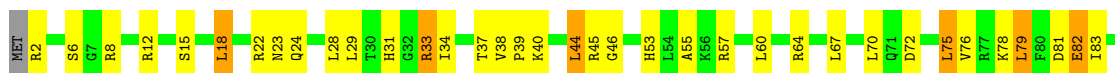




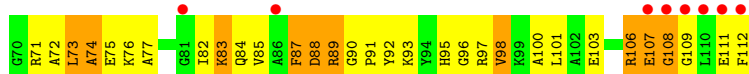
- Molecule 36: 50S ribosomal protein L17



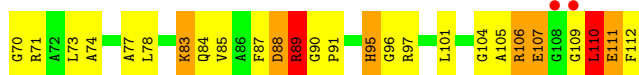
- Molecule 36: 50S ribosomal protein L17



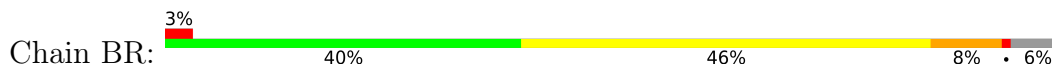
- Molecule 37: 50S ribosomal protein L18

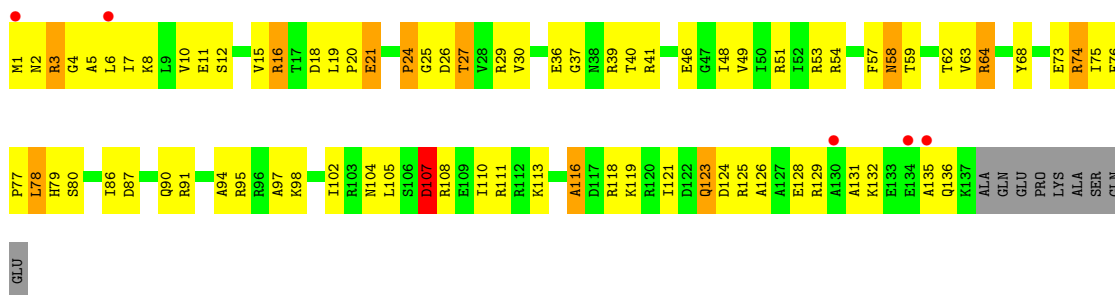


- Molecule 37: 50S ribosomal protein L18

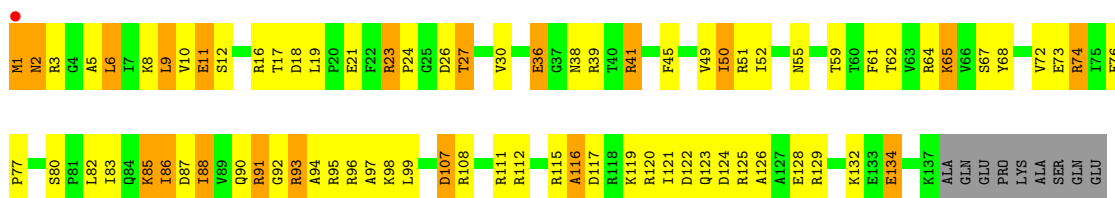


- Molecule 38: 50S ribosomal protein L19

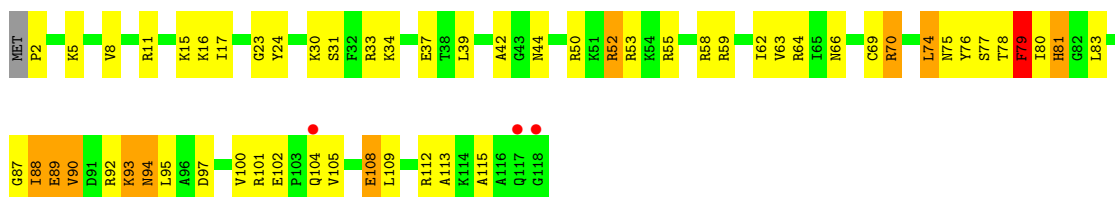




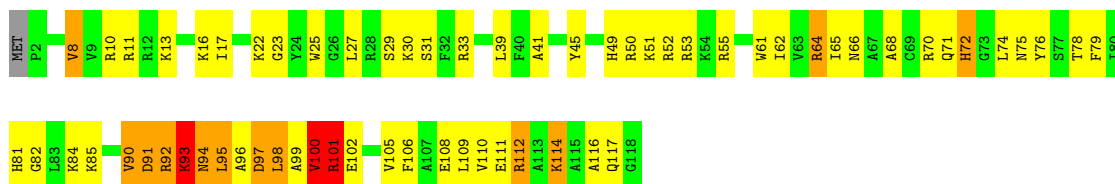
- Molecule 38: 50S ribosomal protein L19



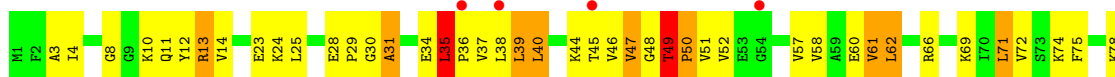
- Molecule 39: 50S ribosomal protein L20



- Molecule 39: 50S ribosomal protein L20

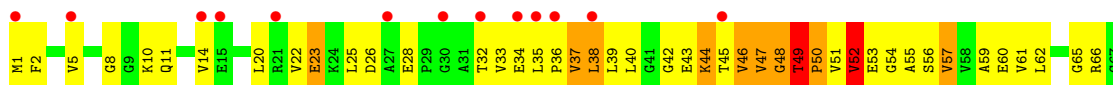


- Molecule 40: 50S ribosomal protein L21





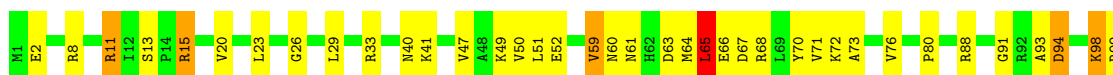
- Molecule 40: 50S ribosomal protein L21



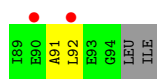
- Molecule 41: 50S ribosomal protein L22



- Molecule 41: 50S ribosomal protein L22

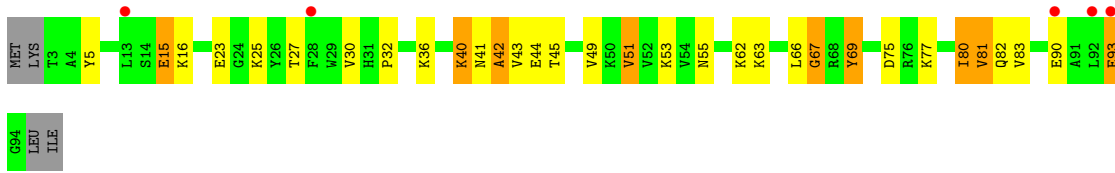


- Molecule 42: 50S ribosomal protein L23

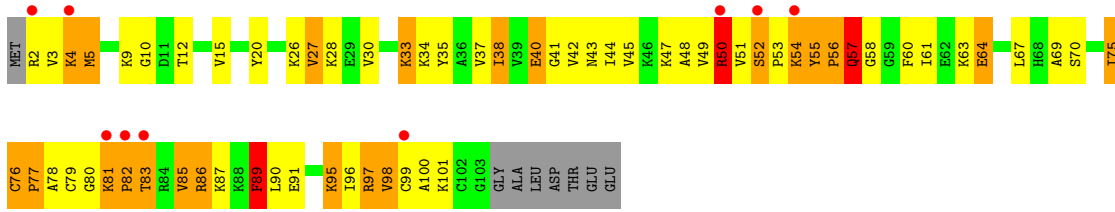


- Molecule 42: 50S ribosomal protein L23

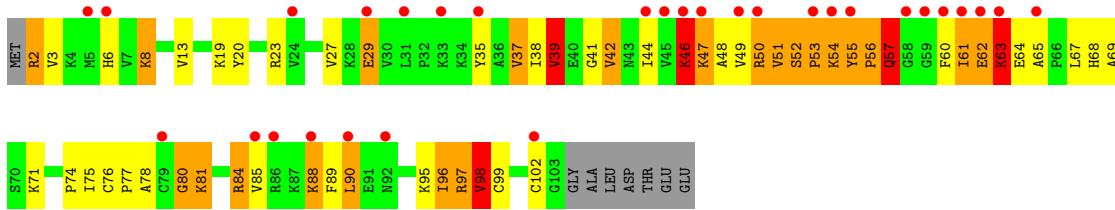




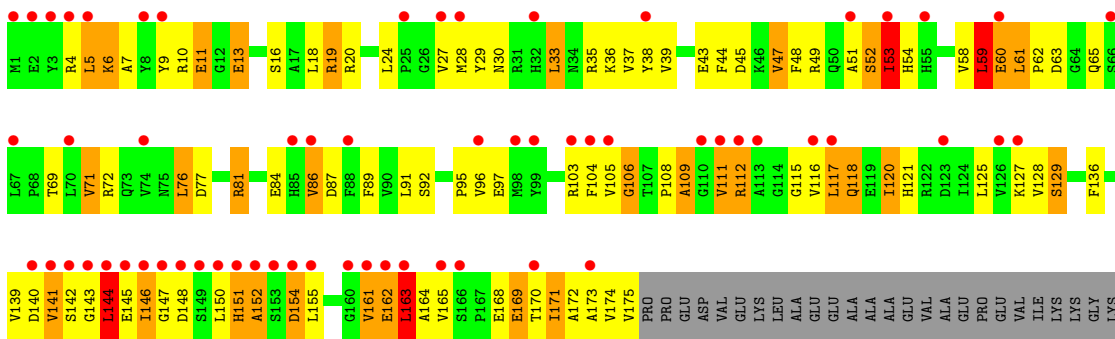
• Molecule 43: 50S ribosomal protein L24



• Molecule 43: 50S ribosomal protein L24

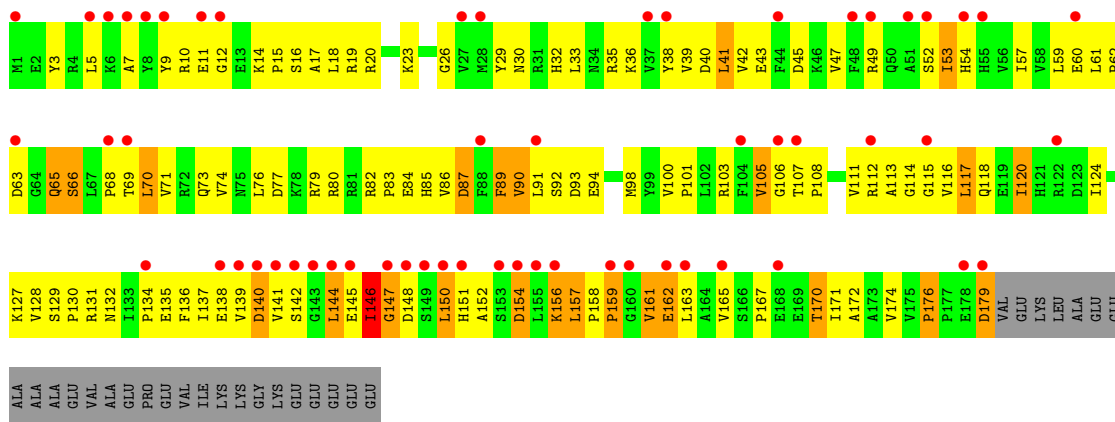


• Molecule 44: 50S ribosomal protein L25

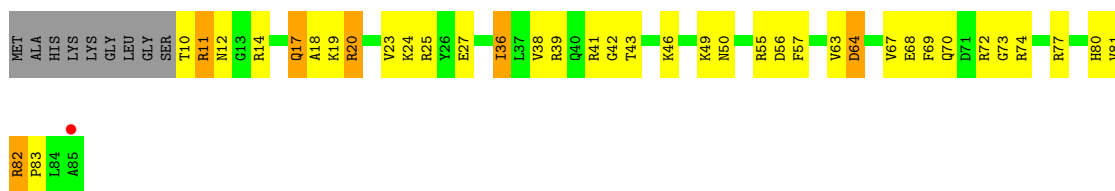


• Molecule 44: 50S ribosomal protein L25

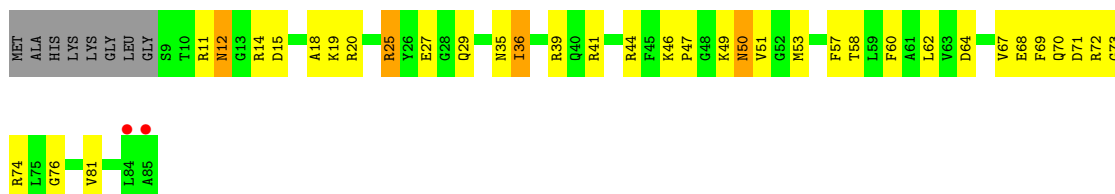




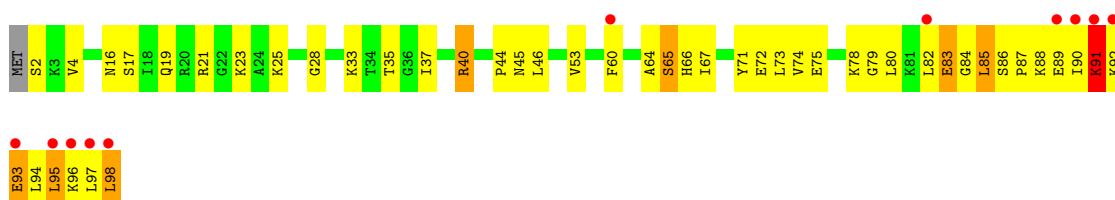
• Molecule 45: 50S ribosomal protein L27



• Molecule 45: 50S ribosomal protein L27



• Molecule 46: 50S ribosomal protein L28

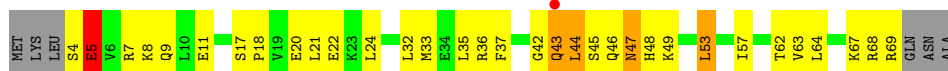


• Molecule 46: 50S ribosomal protein L28

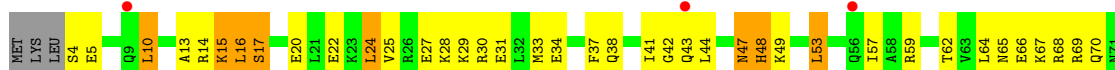




• Molecule 47: 50S ribosomal protein L29



• Molecule 47: 50S ribosomal protein L29



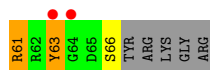
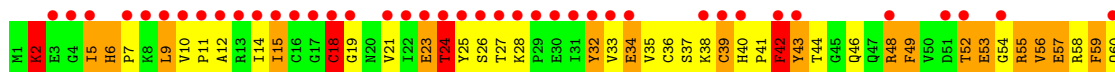
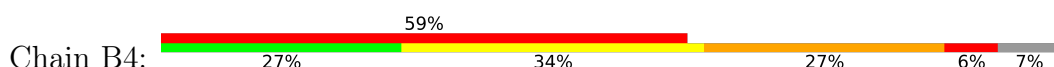
• Molecule 48: 50S ribosomal protein L30



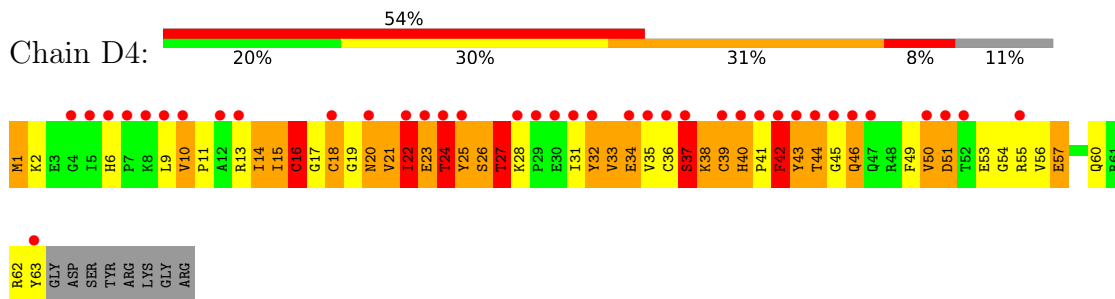
• Molecule 48: 50S ribosomal protein L30



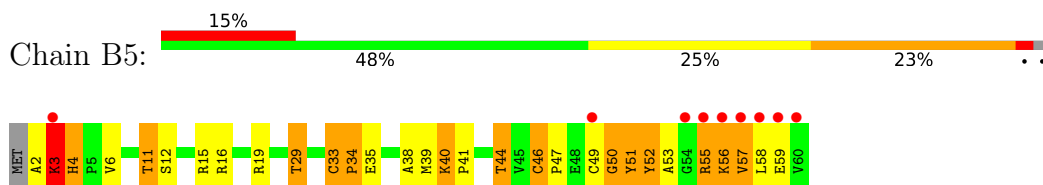
• Molecule 49: 50S ribosomal protein L31



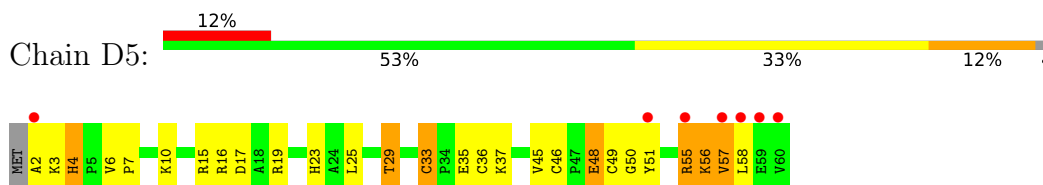
- Molecule 49: 50S ribosomal protein L31



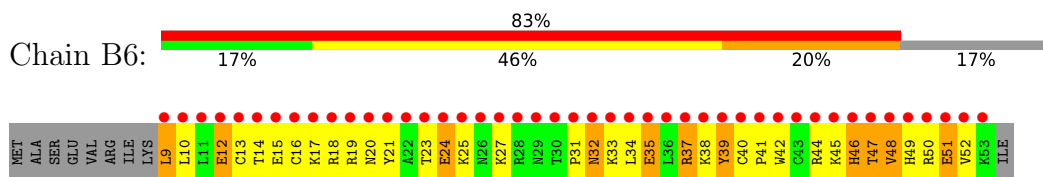
- Molecule 50: 50S ribosomal protein L32



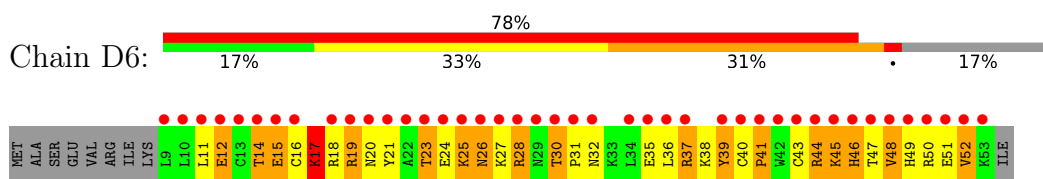
- Molecule 50: 50S ribosomal protein L32



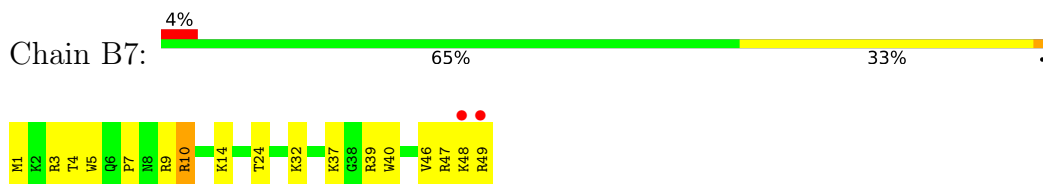
- Molecule 51: 50S ribosomal protein L33



- Molecule 51: 50S ribosomal protein L33



- Molecule 52: 50S ribosomal protein L34

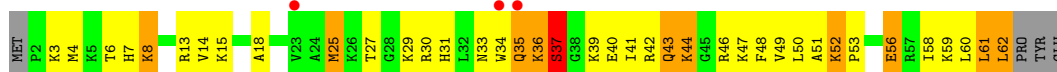


- Molecule 52: 50S ribosomal protein L34





- Molecule 53: 50S ribosomal protein L35



- Molecule 53: 50S ribosomal protein L35



4 Data and refinement statistics

Property	Value	Source
Space group	P 21 21 21	Depositor
Cell constants a, b, c, α , β , γ	210.06Å 450.27Å 616.89Å 90.00° 90.00° 90.00°	Depositor
Resolution (Å)	153.59 – 3.10 254.47 – 3.10	Depositor EDS
% Data completeness (in resolution range)	99.9 (153.59-3.10) 93.4 (254.47-3.10)	Depositor EDS
R_{merge}	0.47	Depositor
R_{sym}	(Not available)	Depositor
$\langle I/\sigma(I) \rangle$ ¹	0.89 (at 3.07Å)	Xtrriage
Refinement program	PHENIX dev_987	Depositor
R, R_{free}	0.213 , 0.269 0.212 , 0.267	Depositor DCC
R_{free} test set	2000 reflections (0.19%)	wwPDB-VP
Wilson B-factor (Å ²)	83.6	Xtrriage
Anisotropy	0.211	Xtrriage
Bulk solvent k_{sol} (e/Å ³), B_{sol} (Å ²)	0.25 , 56.5	EDS
L-test for twinning ²	$\langle L \rangle = 0.44$, $\langle L^2 \rangle = 0.26$	Xtrriage
Estimated twinning fraction	No twinning to report.	Xtrriage
F_o, F_c correlation	0.94	EDS
Total number of atoms	295766	wwPDB-VP
Average B, all atoms (Å ²)	111.0	wwPDB-VP

Xtrriage's analysis on translational NCS is as follows: *The largest off-origin peak in the Patterson function is 1.43% of the height of the origin peak. No significant pseudotranslation is detected.*

¹Intensities estimated from amplitudes.

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

5 Model quality i

5.1 Standard geometry i

Bond lengths and bond angles in the following residue types are not validated in this section: T1C, 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	0.58	23/36234 (0.1%)	1.04	97/56554 (0.2%)
1	CA	0.50	5/36237 (0.0%)	0.95	67/56558 (0.1%)
2	AE	0.37	0/1959	0.60	1/2642 (0.0%)
2	CE	0.38	0/1959	0.68	4/2642 (0.2%)
3	AF	0.39	0/1629	0.57	0/2195
3	CF	0.37	0/1636	0.56	0/2205
4	AG	0.48	1/1733 (0.1%)	0.66	1/2318 (0.0%)
4	CG	0.45	1/1733 (0.1%)	0.63	1/2318 (0.0%)
5	AH	0.42	0/1171	0.60	0/1576
5	CH	0.38	0/1171	0.57	0/1576
6	AI	0.43	0/856	0.61	0/1154
6	CI	0.37	0/856	0.52	0/1154
7	AJ	0.45	0/1276	0.65	2/1709 (0.1%)
7	CJ	0.39	0/1276	0.59	0/1709
8	AK	0.39	0/1136	0.68	3/1527 (0.2%)
8	CK	0.35	0/1136	0.56	0/1527
9	AL	0.45	0/1029	0.65	0/1379
9	CL	0.41	0/1029	0.62	0/1379
10	AM	0.34	0/814	0.56	0/1095
10	CM	0.38	0/814	0.58	0/1095
11	AN	0.41	0/900	0.58	0/1213
11	CN	0.52	1/900 (0.1%)	0.66	1/1213 (0.1%)
12	AO	0.44	0/991	0.62	0/1327
12	CO	0.42	0/991	0.65	1/1327 (0.1%)
13	AP	0.39	0/938	0.59	0/1258
13	CP	0.35	0/943	0.63	1/1265 (0.1%)
14	AQ	0.45	0/501	0.68	0/664
14	CQ	0.45	0/501	0.64	0/664
15	AR	0.41	0/745	0.57	0/992
15	CR	0.42	0/745	0.54	0/992
16	AS	0.40	0/721	0.79	3/970 (0.3%)
16	CS	0.40	0/721	0.58	0/970

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	# Z >5	RMSZ	# Z >5
17	AT	0.40	0/847	0.57	0/1131
17	CT	0.39	0/847	0.55	0/1131
18	AU	0.41	0/596	0.64	0/790
18	CU	0.41	0/596	0.60	0/790
19	AV	0.46	0/680	0.75	1/915 (0.1%)
19	CV	0.47	0/638	0.78	0/860
20	AW	0.36	0/765	0.59	0/1007
20	CW	0.37	0/765	0.58	0/1007
21	AX	0.37	0/221	0.55	0/288
21	CX	0.36	0/221	0.63	0/288
22	AC	0.66	2/1832 (0.1%)	1.08	8/2855 (0.3%)
22	AD	0.52	2/1832 (0.1%)	1.08	9/2855 (0.3%)
22	CC	0.56	2/1832 (0.1%)	1.00	9/2855 (0.3%)
22	CD	0.54	2/1832 (0.1%)	1.15	11/2855 (0.4%)
23	A1	0.63	0/144	0.84	0/222
23	C1	0.55	0/144	0.86	0/222
24	BA	0.67	14/70233 (0.0%)	1.18	443/109643 (0.4%)
24	DA	0.61	4/70100 (0.0%)	1.09	282/109435 (0.3%)
25	BB	0.63	0/2928	1.12	12/4568 (0.3%)
25	DB	0.55	0/2928	0.99	3/4568 (0.1%)
26	BD	0.54	0/2165	0.73	0/2919
26	DD	0.57	1/2165 (0.0%)	0.70	0/2919
27	BE	0.49	0/1601	0.64	0/2160
27	DE	0.50	0/1601	0.67	1/2160 (0.0%)
28	BF	0.49	0/1620	0.69	0/2194
28	DF	0.44	0/1662	0.64	0/2249
29	BG	0.42	0/1499	0.59	0/2016
29	DG	0.36	0/1499	0.59	0/2016
30	BH	0.44	0/1332	0.63	1/1802 (0.1%)
30	DH	0.34	0/1332	0.70	1/1802 (0.1%)
31	BK	0.41	0/1151	0.63	0/1558
31	DK	0.40	0/1151	0.63	1/1558 (0.1%)
32	BM	0.47	0/1131	0.62	0/1525
32	DM	0.39	0/1131	0.58	0/1525
33	BN	0.47	0/943	0.61	0/1269
33	DN	0.46	0/943	0.61	0/1269
34	BO	0.54	0/1162	0.82	2/1544 (0.1%)
34	DO	0.42	0/1162	0.71	0/1544
35	BP	0.50	0/1143	0.66	0/1527
35	DP	0.45	0/1143	0.63	0/1527
36	B0	0.51	0/982	0.74	1/1312 (0.1%)
36	D0	0.46	0/974	0.63	0/1302
37	BQ	0.51	0/892	0.69	1/1187 (0.1%)

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	# Z >5	RMSZ	# Z >5
37	DQ	0.44	0/892	0.73	1/1187 (0.1%)
38	BR	0.45	0/1155	0.62	0/1542
38	DR	0.43	0/1155	0.60	0/1542
39	B1	0.52	0/982	0.67	0/1306
39	D1	0.42	0/982	0.64	0/1306
40	B2	0.50	0/790	0.68	1/1057 (0.1%)
40	D2	0.42	0/790	0.69	1/1057 (0.1%)
41	BS	0.47	0/911	0.63	0/1220
41	DS	0.47	0/911	0.59	0/1220
42	BT	0.58	0/739	0.65	0/993
42	DT	0.55	0/739	0.64	0/993
43	BU	0.54	0/798	0.74	0/1064
43	DU	0.50	0/798	0.69	1/1064 (0.1%)
44	BV	0.40	0/1427	0.63	0/1935
44	DV	0.37	0/1460	0.67	1/1982 (0.1%)
45	B3	0.65	2/615 (0.3%)	0.70	0/819
45	D3	0.46	0/621	0.61	0/827
46	BZ	0.50	0/770	0.65	0/1022
46	DZ	0.49	0/770	0.68	0/1022
47	BW	0.56	1/560 (0.2%)	0.70	0/741
47	DW	0.48	0/583	0.71	1/771 (0.1%)
48	BX	0.44	0/474	0.58	0/635
48	DX	0.40	0/474	0.56	0/635
49	B4	0.65	2/545 (0.4%)	0.77	1/733 (0.1%)
49	D4	0.44	0/527	0.69	0/709
50	B5	0.52	0/473	0.76	0/639
50	D5	0.45	0/473	0.67	0/639
51	B6	0.48	0/396	0.70	0/529
51	D6	0.52	0/396	0.68	0/529
52	B7	0.59	0/438	0.74	0/575
52	D7	0.54	0/438	0.65	0/575
53	B8	0.66	0/494	0.77	0/649
53	D8	0.61	0/494	0.93	1/649 (0.2%)
All	All	0.57	63/319716 (0.0%)	0.99	976/478502 (0.2%)

The worst 5 of 63 bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	AA	193	C	P-O5'	13.92	1.73	1.59
1	AA	193	C	C5'-C4'	13.77	1.67	1.51
1	AA	1381	U	C2-N3	-13.28	1.28	1.37
22	AD	17(A)	C	C4-N4	-11.47	1.23	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
22	CC	17(A)	C	C4-N4	-11.41	1.23	1.33

The worst 5 of 976 bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	AA	1381	U	N3-C4-C5	34.37	135.22	114.60
1	AA	193	C	C6-N1-C2	-33.39	106.94	120.30
1	AA	193	C	C5-C6-N1	30.48	136.24	121.00
1	AA	1381	U	C4-C5-C6	-26.85	103.59	119.70
22	CD	17(A)	C	N3-C4-C5	-19.72	114.01	121.90

There are no chirality outliers.

There are no planarity outliers.

5.2 Too-close contacts [i](#)

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

Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
1	AA	32369	0	16338	913	10
1	CA	32372	0	16336	884	0
2	AE	1924	0	1975	117	0
2	CE	1924	0	1975	144	0
3	AF	1605	0	1668	70	0
3	CF	1612	0	1677	118	0
4	AG	1703	0	1763	112	0
4	CG	1703	0	1764	215	0
5	AH	1155	0	1213	58	0
5	CH	1155	0	1212	56	0
6	AI	843	0	857	42	0
6	CI	843	0	857	28	0
7	AJ	1257	0	1296	74	0
7	CJ	1257	0	1296	67	0
8	AK	1116	0	1177	58	0
8	CK	1116	0	1177	43	0
9	AL	1010	0	1037	91	0
9	CL	1010	0	1037	94	0
10	AM	801	0	849	57	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
10	CM	801	0	849	56	1
11	AN	885	0	904	38	0
11	CN	885	0	904	39	0
12	AO	975	0	1062	76	0
12	CO	975	0	1062	44	0
13	AP	928	0	987	62	0
13	CP	933	0	992	89	0
14	AQ	492	0	529	40	0
14	CQ	492	0	531	43	0
15	AR	734	0	771	25	0
15	CR	734	0	771	32	0
16	AS	705	0	725	37	0
16	CS	705	0	725	29	0
17	AT	834	0	904	44	0
17	CT	834	0	904	28	0
18	AU	591	0	662	23	0
18	CU	591	0	662	25	0
19	AV	665	0	686	49	0
19	CV	624	0	636	80	0
20	AW	763	0	861	57	0
20	CW	763	0	861	48	0
21	AX	217	0	234	8	0
21	CX	217	0	234	20	0
22	AC	1640	0	836	20	0
22	AD	1640	0	836	97	0
22	CC	1640	0	836	23	0
22	CD	1640	0	836	90	0
23	A1	129	0	65	0	0
23	C1	129	0	65	0	0
24	BA	62707	0	31612	1372	0
24	DA	62587	0	31554	1346	0
25	BB	2617	0	1328	59	0
25	DB	2617	0	1328	85	0
26	BD	2115	0	2195	113	0
26	DD	2115	0	2195	141	0
27	BE	1568	0	1634	101	0
27	DE	1568	0	1634	207	0
28	BF	1585	0	1632	76	0
28	DF	1627	0	1680	130	0
29	BG	1474	0	1535	88	0
29	DG	1474	0	1535	105	0
30	BH	1307	0	1382	135	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
30	DH	1307	0	1382	122	9
31	BK	1136	0	1223	49	0
31	DK	1136	0	1223	47	0
32	BM	1104	0	1180	70	0
32	DM	1104	0	1180	50	0
33	BN	933	0	996	29	0
33	DN	933	0	996	43	0
34	BO	1145	0	1227	112	0
34	DO	1145	0	1228	155	0
35	BP	1122	0	1179	86	0
35	DP	1122	0	1179	59	0
36	B0	968	0	1033	59	0
36	D0	960	0	1021	37	0
37	BQ	882	0	943	54	0
37	DQ	882	0	943	72	0
38	BR	1141	0	1202	68	0
38	DR	1141	0	1202	65	0
39	B1	964	0	1022	64	0
39	D1	964	0	1022	69	0
40	B2	779	0	852	43	1
40	D2	779	0	852	89	0
41	BS	900	0	964	27	0
41	DS	900	0	964	27	0
42	BT	725	0	778	25	0
42	DT	725	0	778	20	0
43	BU	785	0	878	79	0
43	DU	785	0	878	57	0
44	BV	1397	0	1430	79	0
44	DV	1428	0	1454	87	0
45	B3	607	0	628	40	0
45	D3	613	0	633	35	0
46	BZ	763	0	848	30	0
46	DZ	763	0	848	34	0
47	BW	558	0	610	25	0
47	DW	581	0	629	30	0
48	BX	469	0	518	17	0
48	DX	469	0	518	19	0
49	B4	533	0	522	57	0
49	D4	515	0	510	74	0
50	B5	459	0	480	35	1
50	D5	459	0	480	25	0
51	B6	389	0	404	42	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
51	D6	389	0	404	76	0
52	B7	430	0	480	16	0
52	D7	430	0	480	13	0
53	B8	488	0	559	51	0
53	D8	488	0	560	71	0
54	A1	1	0	0	0	0
54	AA	236	0	0	0	0
54	AC	8	0	0	0	0
54	AD	1	0	0	0	0
54	AG	1	0	0	0	0
54	AH	1	0	0	0	0
54	AN	2	0	0	0	0
54	AQ	1	0	0	0	0
54	AT	1	0	0	0	0
54	B0	1	0	0	0	0
54	B1	1	0	0	0	0
54	B2	1	0	0	0	0
54	B3	2	0	0	0	0
54	B5	1	0	0	0	0
54	B7	3	0	0	0	0
54	B8	2	0	0	0	0
54	BA	632	0	0	0	0
54	BB	16	0	0	0	0
54	BD	1	0	0	0	0
54	BE	4	0	0	0	0
54	BF	2	0	0	0	0
54	BO	2	0	0	0	0
54	BU	2	0	0	0	0
54	CA	199	0	0	0	0
54	CC	9	0	0	0	0
54	CG	2	0	0	0	0
54	CL	1	0	0	0	0
54	CN	1	0	0	0	0
54	CS	1	0	0	0	0
54	CX	1	0	0	0	0
54	D1	1	0	0	0	0
54	D3	1	0	0	0	0
54	D5	1	0	0	0	0
54	D8	1	0	0	0	0
54	DA	523	0	0	0	0
54	DB	15	0	0	0	0
54	DE	4	0	0	0	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
54	DP	1	0	0	0	0
54	DR	1	0	0	0	0
54	DU	2	0	0	0	0
55	AA	42	0	39	2	0
55	CA	42	0	38	5	0
56	AG	1	0	0	0	0
56	AQ	1	0	0	0	0
56	CG	1	0	0	0	0
56	CQ	1	0	0	0	0
All	All	295766	0	199075	9375	11

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 21.

The worst 5 of 9375 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)
24:BA:2751:G:C2	30:BH:3:ARG:HD3	1.42	1.55
30:DH:127:GLU:CG	30:DH:128:PRO:HD3	1.36	1.54
27:DE:11:MET:SD	27:DE:24:THR:HG22	1.47	1.52
40:D2:49:THR:HB	40:D2:50:PRO:CD	1.45	1.47
26:DD:34:VAL:HG22	26:DD:35:LYS:CE	1.44	1.46

The worst 5 of 11 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)
1:AA:85:U:O5'	30:DH:126:PRO:CA[3_555]	1.25	0.95
1:AA:85:U:C4'	30:DH:126:PRO:CB[3_555]	1.47	0.73
1:AA:84:U:O3'	30:DH:127:GLU:N[3_555]	1.76	0.44
1:AA:84:U:OP2	30:DH:127:GLU:CG[3_555]	1.98	0.22
1:AA:85:U:C5'	30:DH:126:PRO:CB[3_555]	2.00	0.20

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	235/256 (92%)	170 (72%)	41 (17%)	24 (10%)	0	3
2	CE	235/256 (92%)	165 (70%)	38 (16%)	32 (14%)	0	1
3	AF	203/239 (85%)	138 (68%)	44 (22%)	21 (10%)	0	3
3	CF	204/239 (85%)	135 (66%)	48 (24%)	21 (10%)	0	3
4	AG	206/208 (99%)	154 (75%)	35 (17%)	17 (8%)	1	5
4	CG	206/208 (99%)	150 (73%)	36 (18%)	20 (10%)	0	3
5	AH	149/162 (92%)	118 (79%)	26 (17%)	5 (3%)	3	21
5	CH	149/162 (92%)	130 (87%)	13 (9%)	6 (4%)	3	17
6	AI	99/101 (98%)	86 (87%)	9 (9%)	4 (4%)	3	17
6	CI	99/101 (98%)	87 (88%)	10 (10%)	2 (2%)	7	31
7	AJ	153/156 (98%)	127 (83%)	21 (14%)	5 (3%)	4	21
7	CJ	153/156 (98%)	120 (78%)	25 (16%)	8 (5%)	2	12
8	AK	136/138 (99%)	103 (76%)	23 (17%)	10 (7%)	1	6
8	CK	136/138 (99%)	120 (88%)	10 (7%)	6 (4%)	2	15
9	AL	125/128 (98%)	87 (70%)	26 (21%)	12 (10%)	0	3
9	CL	125/128 (98%)	90 (72%)	31 (25%)	4 (3%)	4	22
10	AM	97/105 (92%)	70 (72%)	18 (19%)	9 (9%)	0	3
10	CM	97/105 (92%)	65 (67%)	24 (25%)	8 (8%)	1	5
11	AN	117/129 (91%)	90 (77%)	19 (16%)	8 (7%)	1	7
11	CN	117/129 (91%)	96 (82%)	16 (14%)	5 (4%)	2	16
12	AO	123/128 (96%)	87 (71%)	24 (20%)	12 (10%)	0	3
12	CO	123/128 (96%)	103 (84%)	10 (8%)	10 (8%)	1	5
13	AP	114/126 (90%)	81 (71%)	20 (18%)	13 (11%)	0	2
13	CP	115/126 (91%)	75 (65%)	22 (19%)	18 (16%)	0	0
14	AQ	58/61 (95%)	40 (69%)	7 (12%)	11 (19%)	0	0
14	CQ	58/61 (95%)	40 (69%)	12 (21%)	6 (10%)	0	3
15	AR	86/89 (97%)	60 (70%)	20 (23%)	6 (7%)	1	7
15	CR	86/89 (97%)	73 (85%)	6 (7%)	7 (8%)	1	5
16	AS	82/88 (93%)	65 (79%)	16 (20%)	1 (1%)	13	44

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
16	CS	82/88 (93%)	66 (80%)	15 (18%)	1 (1%)	13	44
17	AT	98/105 (93%)	78 (80%)	14 (14%)	6 (6%)	1	9
17	CT	98/105 (93%)	85 (87%)	11 (11%)	2 (2%)	7	31
18	AU	70/88 (80%)	59 (84%)	7 (10%)	4 (6%)	1	10
18	CU	70/88 (80%)	56 (80%)	7 (10%)	7 (10%)	0	3
19	AV	81/93 (87%)	54 (67%)	19 (24%)	8 (10%)	0	3
19	CV	76/93 (82%)	44 (58%)	17 (22%)	15 (20%)	0	0
20	AW	97/106 (92%)	72 (74%)	12 (12%)	13 (13%)	0	1
20	CW	97/106 (92%)	70 (72%)	18 (19%)	9 (9%)	0	3
21	AX	23/27 (85%)	14 (61%)	7 (30%)	2 (9%)	1	4
21	CX	23/27 (85%)	17 (74%)	3 (13%)	3 (13%)	0	1
26	BD	270/276 (98%)	231 (86%)	26 (10%)	13 (5%)	2	14
26	DD	270/276 (98%)	217 (80%)	40 (15%)	13 (5%)	2	14
27	BE	203/206 (98%)	161 (79%)	28 (14%)	14 (7%)	1	7
27	DE	203/206 (98%)	133 (66%)	33 (16%)	37 (18%)	0	0
28	BF	200/210 (95%)	175 (88%)	20 (10%)	5 (2%)	5	27
28	DF	206/210 (98%)	151 (73%)	29 (14%)	26 (13%)	0	1
29	BG	179/182 (98%)	120 (67%)	42 (24%)	17 (10%)	0	3
29	DG	179/182 (98%)	121 (68%)	38 (21%)	20 (11%)	0	2
30	BH	168/180 (93%)	124 (74%)	24 (14%)	20 (12%)	0	1
30	DH	168/180 (93%)	92 (55%)	45 (27%)	31 (18%)	0	0
31	BK	144/148 (97%)	102 (71%)	25 (17%)	17 (12%)	0	1
31	DK	144/148 (97%)	104 (72%)	28 (19%)	12 (8%)	1	5
32	BM	136/140 (97%)	101 (74%)	25 (18%)	10 (7%)	1	6
32	DM	136/140 (97%)	110 (81%)	22 (16%)	4 (3%)	4	24
33	BN	120/122 (98%)	113 (94%)	5 (4%)	2 (2%)	9	36
33	DN	120/122 (98%)	103 (86%)	14 (12%)	3 (2%)	5	27
34	BO	148/150 (99%)	99 (67%)	21 (14%)	28 (19%)	0	0
34	DO	148/150 (99%)	83 (56%)	44 (30%)	21 (14%)	0	1
35	BP	139/141 (99%)	96 (69%)	26 (19%)	17 (12%)	0	1
35	DP	139/141 (99%)	105 (76%)	19 (14%)	15 (11%)	0	2

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
36	B0	116/118 (98%)	88 (76%)	19 (16%)	9 (8%)	1	5
36	D0	115/118 (98%)	99 (86%)	13 (11%)	3 (3%)	5	26
37	BQ	109/112 (97%)	78 (72%)	19 (17%)	12 (11%)	0	2
37	DQ	109/112 (97%)	78 (72%)	20 (18%)	11 (10%)	0	3
38	BR	135/146 (92%)	101 (75%)	25 (18%)	9 (7%)	1	7
38	DR	135/146 (92%)	110 (82%)	19 (14%)	6 (4%)	2	15
39	B1	115/118 (98%)	101 (88%)	10 (9%)	4 (4%)	3	20
39	D1	115/118 (98%)	88 (76%)	18 (16%)	9 (8%)	1	5
40	B2	99/101 (98%)	78 (79%)	11 (11%)	10 (10%)	0	3
40	D2	99/101 (98%)	73 (74%)	12 (12%)	14 (14%)	0	1
41	BS	111/113 (98%)	102 (92%)	6 (5%)	3 (3%)	5	25
41	DS	111/113 (98%)	98 (88%)	8 (7%)	5 (4%)	2	15
42	BT	90/96 (94%)	78 (87%)	10 (11%)	2 (2%)	6	29
42	DT	90/96 (94%)	69 (77%)	13 (14%)	8 (9%)	1	4
43	BU	100/110 (91%)	69 (69%)	14 (14%)	17 (17%)	0	0
43	DU	100/110 (91%)	53 (53%)	22 (22%)	25 (25%)	0	0
44	BV	173/206 (84%)	117 (68%)	31 (18%)	25 (14%)	0	1
44	DV	177/206 (86%)	111 (63%)	35 (20%)	31 (18%)	0	0
45	B3	74/85 (87%)	65 (88%)	7 (10%)	2 (3%)	5	25
45	D3	75/85 (88%)	66 (88%)	7 (9%)	2 (3%)	5	25
46	BZ	95/98 (97%)	78 (82%)	10 (10%)	7 (7%)	1	6
46	DZ	95/98 (97%)	71 (75%)	14 (15%)	10 (10%)	0	3
47	BW	64/72 (89%)	52 (81%)	9 (14%)	3 (5%)	2	14
47	DW	67/72 (93%)	53 (79%)	6 (9%)	8 (12%)	0	1
48	BX	57/60 (95%)	51 (90%)	4 (7%)	2 (4%)	3	20
48	DX	57/60 (95%)	49 (86%)	5 (9%)	3 (5%)	2	12
49	B4	64/71 (90%)	34 (53%)	15 (23%)	15 (23%)	0	0
49	D4	61/71 (86%)	25 (41%)	18 (30%)	18 (30%)	0	0
50	B5	57/60 (95%)	41 (72%)	9 (16%)	7 (12%)	0	1
50	D5	57/60 (95%)	46 (81%)	7 (12%)	4 (7%)	1	7
51	B6	43/54 (80%)	24 (56%)	14 (33%)	5 (12%)	0	2

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
51	D6	43/54 (80%)	19 (44%)	13 (30%)	11 (26%)	0	0
52	B7	47/49 (96%)	43 (92%)	4 (8%)	0	100	100
52	D7	47/49 (96%)	45 (96%)	2 (4%)	0	100	100
53	B8	59/65 (91%)	45 (76%)	8 (14%)	6 (10%)	0	3
53	D8	59/65 (91%)	42 (71%)	8 (14%)	9 (15%)	0	0
All	All	11341/12044 (94%)	8521 (75%)	1799 (16%)	1021 (9%)	1	4

5 of 1021 Ramachandran outliers are listed below:

Mol	Chain	Res	Type
2	AE	29	ALA
2	AE	30	ARG
2	AE	95	GLN
2	AE	101	MET
2	AE	208	ILE

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	205/220 (93%)	166 (81%)	39 (19%)	1	6
2	CE	205/220 (93%)	166 (81%)	39 (19%)	1	6
3	AF	159/188 (85%)	141 (89%)	18 (11%)	6	23
3	CF	160/188 (85%)	138 (86%)	22 (14%)	3	16
4	AG	180/180 (100%)	157 (87%)	23 (13%)	4	18
4	CG	180/180 (100%)	160 (89%)	20 (11%)	6	24
5	AH	116/123 (94%)	103 (89%)	13 (11%)	6	24
5	CH	116/123 (94%)	102 (88%)	14 (12%)	5	20
6	AI	90/90 (100%)	82 (91%)	8 (9%)	9	34
6	CI	90/90 (100%)	77 (86%)	13 (14%)	3	14
7	AJ	126/127 (99%)	105 (83%)	21 (17%)	2	9

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
7	CJ	126/127 (99%)	107 (85%)	19 (15%)	3	12
8	AK	119/119 (100%)	105 (88%)	14 (12%)	5	21
8	CK	119/119 (100%)	102 (86%)	17 (14%)	3	14
9	AL	98/99 (99%)	74 (76%)	24 (24%)	0	2
9	CL	98/99 (99%)	80 (82%)	18 (18%)	1	7
10	AM	89/92 (97%)	78 (88%)	11 (12%)	4	19
10	CM	89/92 (97%)	72 (81%)	17 (19%)	1	6
11	AN	90/99 (91%)	80 (89%)	10 (11%)	6	24
11	CN	90/99 (91%)	73 (81%)	17 (19%)	1	6
12	AO	104/107 (97%)	89 (86%)	15 (14%)	3	14
12	CO	104/107 (97%)	93 (89%)	11 (11%)	6	26
13	AP	94/101 (93%)	85 (90%)	9 (10%)	8	31
13	CP	94/101 (93%)	75 (80%)	19 (20%)	1	5
14	AQ	49/50 (98%)	39 (80%)	10 (20%)	1	5
14	CQ	49/50 (98%)	40 (82%)	9 (18%)	1	7
15	AR	79/80 (99%)	70 (89%)	9 (11%)	5	23
15	CR	79/80 (99%)	72 (91%)	7 (9%)	9	34
16	AS	72/74 (97%)	55 (76%)	17 (24%)	1	2
16	CS	72/74 (97%)	61 (85%)	11 (15%)	2	12
17	AT	95/97 (98%)	85 (90%)	10 (10%)	7	26
17	CT	95/97 (98%)	87 (92%)	8 (8%)	11	38
18	AU	63/77 (82%)	54 (86%)	9 (14%)	3	14
18	CU	63/77 (82%)	55 (87%)	8 (13%)	4	18
19	AV	72/80 (90%)	56 (78%)	16 (22%)	1	4
19	CV	67/80 (84%)	54 (81%)	13 (19%)	1	6
20	AW	76/82 (93%)	66 (87%)	10 (13%)	4	17
20	CW	76/82 (93%)	68 (90%)	8 (10%)	7	26
21	AX	20/22 (91%)	20 (100%)	0	100	100
21	CX	20/22 (91%)	19 (95%)	1 (5%)	24	57
26	BD	214/218 (98%)	178 (83%)	36 (17%)	2	9
26	DD	214/218 (98%)	183 (86%)	31 (14%)	3	13

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
27	BE	165/166 (99%)	144 (87%)	21 (13%)	4	18
27	DE	165/166 (99%)	143 (87%)	22 (13%)	4	16
28	BF	161/166 (97%)	142 (88%)	19 (12%)	5	21
28	DF	165/166 (99%)	138 (84%)	27 (16%)	2	10
29	BG	155/156 (99%)	138 (89%)	17 (11%)	6	25
29	DG	155/156 (99%)	132 (85%)	23 (15%)	3	13
30	BH	142/148 (96%)	123 (87%)	19 (13%)	4	16
30	DH	142/148 (96%)	109 (77%)	33 (23%)	1	3
31	BK	122/124 (98%)	103 (84%)	19 (16%)	2	11
31	DK	122/124 (98%)	92 (75%)	30 (25%)	0	2
32	BM	117/119 (98%)	95 (81%)	22 (19%)	1	6
32	DM	117/119 (98%)	96 (82%)	21 (18%)	2	8
33	BN	100/100 (100%)	90 (90%)	10 (10%)	7	28
33	DN	100/100 (100%)	87 (87%)	13 (13%)	4	18
34	BO	116/116 (100%)	91 (78%)	25 (22%)	1	4
34	DO	116/116 (100%)	84 (72%)	32 (28%)	0	1
35	BP	111/111 (100%)	100 (90%)	11 (10%)	8	29
35	DP	111/111 (100%)	94 (85%)	17 (15%)	2	12
36	B0	101/101 (100%)	87 (86%)	14 (14%)	3	15
36	D0	100/101 (99%)	89 (89%)	11 (11%)	6	25
37	BQ	87/88 (99%)	74 (85%)	13 (15%)	3	13
37	DQ	87/88 (99%)	69 (79%)	18 (21%)	1	5
38	BR	120/127 (94%)	105 (88%)	15 (12%)	4	18
38	DR	120/127 (94%)	98 (82%)	22 (18%)	1	7
39	B1	93/94 (99%)	79 (85%)	14 (15%)	3	12
39	D1	93/94 (99%)	79 (85%)	14 (15%)	3	12
40	B2	82/82 (100%)	69 (84%)	13 (16%)	2	11
40	D2	82/82 (100%)	62 (76%)	20 (24%)	0	2
41	BS	92/92 (100%)	80 (87%)	12 (13%)	4	18
41	DS	92/92 (100%)	75 (82%)	17 (18%)	1	7
42	BT	74/78 (95%)	63 (85%)	11 (15%)	3	13

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
42	DT	74/78 (95%)	66 (89%)	8 (11%)	6	25
43	BU	85/91 (93%)	62 (73%)	23 (27%)	0	1
43	DU	85/91 (93%)	59 (69%)	26 (31%)	0	0
44	BV	154/179 (86%)	126 (82%)	28 (18%)	1	7
44	DV	158/179 (88%)	136 (86%)	22 (14%)	3	15
45	B3	61/67 (91%)	54 (88%)	7 (12%)	5	22
45	D3	62/67 (92%)	58 (94%)	4 (6%)	17	47
46	BZ	82/83 (99%)	67 (82%)	15 (18%)	1	7
46	DZ	82/83 (99%)	76 (93%)	6 (7%)	14	43
47	BW	62/67 (92%)	54 (87%)	8 (13%)	4	18
47	DW	64/67 (96%)	61 (95%)	3 (5%)	26	59
48	BX	51/52 (98%)	44 (86%)	7 (14%)	3	16
48	DX	51/52 (98%)	43 (84%)	8 (16%)	2	11
49	B4	59/63 (94%)	41 (70%)	18 (30%)	0	0
49	D4	57/63 (90%)	36 (63%)	21 (37%)	0	0
50	B5	51/52 (98%)	40 (78%)	11 (22%)	1	4
50	D5	51/52 (98%)	43 (84%)	8 (16%)	2	11
51	B6	44/52 (85%)	33 (75%)	11 (25%)	0	2
51	D6	44/52 (85%)	31 (70%)	13 (30%)	0	1
52	B7	42/42 (100%)	36 (86%)	6 (14%)	3	14
52	D7	42/42 (100%)	33 (79%)	9 (21%)	1	4
53	B8	51/55 (93%)	39 (76%)	12 (24%)	1	3
53	D8	51/55 (93%)	41 (80%)	10 (20%)	1	6
All	All	9584/9992 (96%)	8081 (84%)	1503 (16%)	2	11

5 of 1503 residues with a non-rotameric sidechain are listed below:

Mol	Chain	Res	Type
12	CO	92	ASP
30	DH	157	TYR
14	CQ	24	CYS
12	CO	83	VAL
26	DD	255	LYS

Sometimes sidechains can be flipped to improve hydrogen bonding and reduce clashes. 5 of 57 such sidechains are listed below:

Mol	Chain	Res	Type
7	CJ	28	ASN
48	DX	52	HIS
17	CT	45	HIS
48	DX	19	GLN
39	D1	72	HIS

5.3.3 RNA [i](#)

Mol	Chain	Analysed	Backbone Outliers	Pucker Outliers
1	AA	1506/1506 (100%)	316 (20%)	26 (1%)
1	CA	1505/1506 (99%)	312 (20%)	30 (1%)
22	AC	76/77 (98%)	8 (10%)	1 (1%)
22	AD	76/77 (98%)	24 (31%)	1 (1%)
22	CC	77/77 (100%)	12 (15%)	1 (1%)
22	CD	76/77 (98%)	45 (59%)	5 (6%)
23	A1	5/6 (83%)	1 (20%)	0
23	C1	5/6 (83%)	1 (20%)	0
24	BA	2911/2912 (99%)	593 (20%)	44 (1%)
24	DA	2904/2912 (99%)	645 (22%)	39 (1%)
25	BB	121/122 (99%)	27 (22%)	0
25	DB	121/122 (99%)	32 (26%)	0
All	All	9383/9400 (99%)	2016 (21%)	147 (1%)

5 of 2016 RNA backbone outliers are listed below:

Mol	Chain	Res	Type
1	AA	6	G
1	AA	8	A
1	AA	9	G
1	AA	31	G
1	AA	32	A

5 of 147 RNA pucker outliers are listed below:

Mol	Chain	Res	Type
24	DA	752	A
24	DA	2747	G
24	DA	1022	G
24	DA	1912	A
24	BA	1379	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 1692 ligands modelled in this entry, 1690 are monoatomic - leaving 2 for Mogul analysis.

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

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
55	T1C	AA	1837	54	44,45,45	0.96	5 (11%)	53,72,72	1.98	12 (22%)
55	T1C	CA	1800	54	44,45,45	0.97	5 (11%)	53,72,72	1.77	13 (24%)

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

Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
55	T1C	AA	1837	54	-	7/22/80/80	0/4/4/4
55	T1C	CA	1800	54	-	9/22/80/80	0/4/4/4

The worst 5 of 10 bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
55	CA	1800	T1C	C9-N9	-2.70	1.36	1.41
55	AA	1837	T1C	C9-N9	-2.61	1.36	1.41
55	AA	1837	T1C	C1C-C12	2.55	1.54	1.52
55	AA	1837	T1C	C1C-C1	-2.43	1.51	1.55
55	AA	1837	T1C	C2-C3	-2.26	1.34	1.40

The worst 5 of 25 bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
55	AA	1837	T1C	C41-C1C-C1	-6.62	103.46	111.05
55	AA	1837	T1C	O12-C12-C1C	4.82	120.35	113.37
55	CA	1800	T1C	O12-C12-C1B	-4.51	117.73	123.90
55	AA	1837	T1C	O12-C12-C1B	-4.34	117.95	123.90
55	AA	1837	T1C	C11-C1B-C12	4.29	122.19	118.80

There are no chirality outliers.

5 of 16 torsion outliers are listed below:

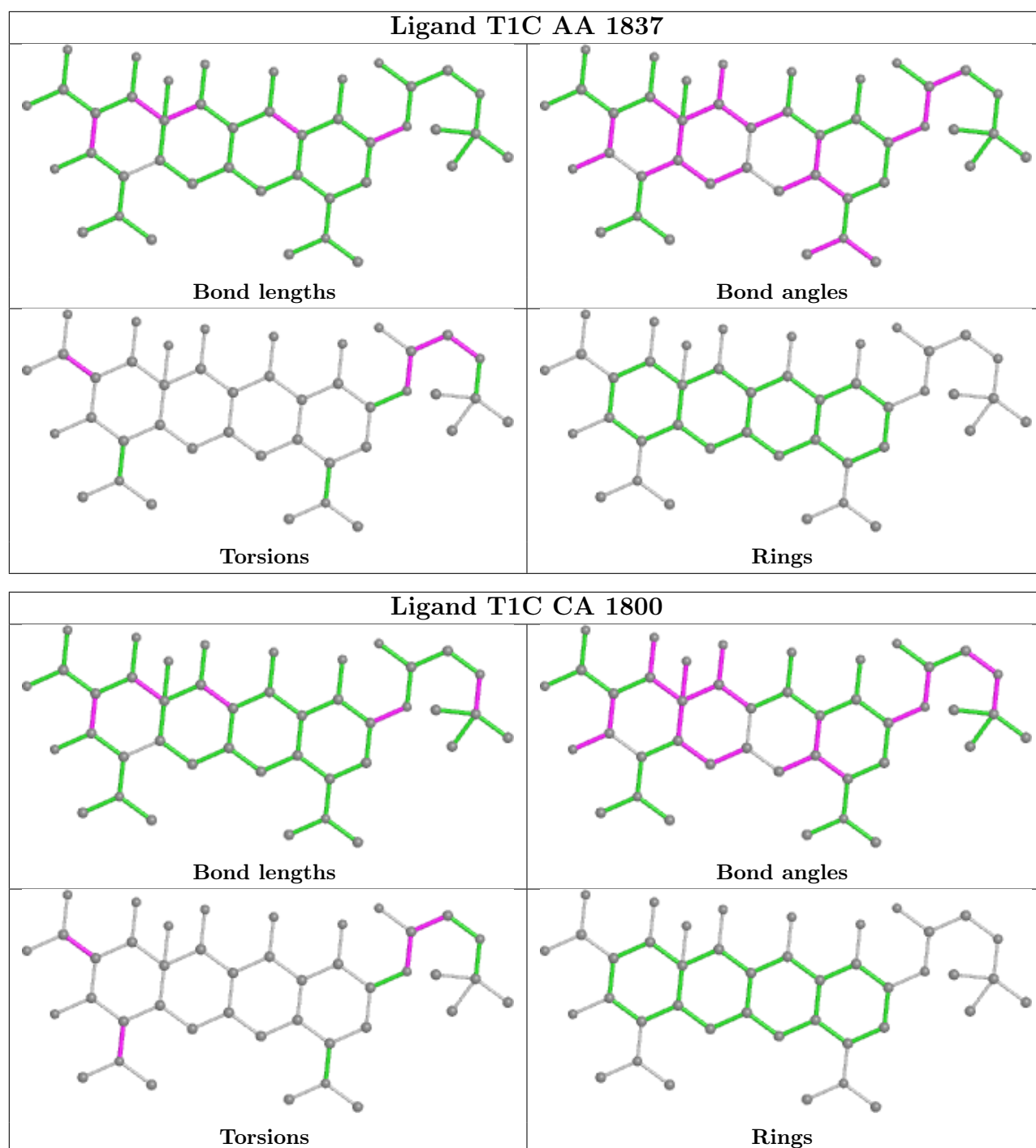
Mol	Chain	Res	Type	Atoms
55	AA	1837	T1C	C92-C91-N9-C9
55	AA	1837	T1C	O91-C91-N9-C9
55	CA	1800	T1C	C92-C91-N9-C9
55	CA	1800	T1C	O91-C91-N9-C9
55	CA	1800	T1C	C41-C4-N4-C42

There are no ring outliers.

2 monomers are involved in 7 short contacts:

Mol	Chain	Res	Type	Clashes	Symm-Clashes
55	AA	1837	T1C	2	0
55	CA	1800	T1C	5	0

The following is a two-dimensional graphical depiction of Mogul quality analysis of bond lengths, bond angles, torsion angles, and ring geometry for all instances of the Ligand of Interest. In addition, ligands with molecular weight > 250 and outliers as shown on the validation Tables will also be included. For torsion angles, if less than 5% of the Mogul distribution of torsion angles is within 10 degrees of the torsion angle in question, then that torsion angle is considered an outlier. Any bond that is central to one or more torsion angles identified as an outlier by Mogul will be highlighted in the graph. For rings, the root-mean-square deviation (RMSD) between the ring in question and similar rings identified by Mogul is calculated over all ring torsion angles. If the average RMSD is greater than 60 degrees and the minimal RMSD between the ring in question and any Mogul-identified rings is also greater than 60 degrees, then that ring is considered an outlier. The outliers are highlighted in purple. The color gray indicates Mogul did not find sufficient equivalents in the CSD to analyse the geometry.



5.7 Other polymers [i](#)

There are no such residues in this entry.

5.8 Polymer linkage issues [i](#)

There are no chain breaks in this entry.

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

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

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

Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
1	AA	1506/1506 (100%)	-0.71	2 (0%) 95 92	66, 112, 190, 248	0
1	CA	1506/1506 (100%)	-0.73	5 (0%) 94 88	76, 117, 189, 249	0
2	AE	237/256 (92%)	0.30	17 (7%) 15 6	116, 147, 183, 192	0
2	CE	237/256 (92%)	0.91	41 (17%) 1 0	126, 162, 192, 208	0
3	AF	205/239 (85%)	0.59	20 (9%) 7 2	99, 124, 157, 164	0
3	CF	206/239 (86%)	1.33	50 (24%) 0 0	121, 145, 174, 184	0
4	AG	208/208 (100%)	-0.43	0 100 100	95, 118, 140, 145	0
4	CG	208/208 (100%)	0.58	21 (10%) 7 2	93, 113, 133, 142	0
5	AH	151/162 (93%)	-0.03	1 (0%) 87 75	90, 110, 132, 163	0
5	CH	151/162 (93%)	0.47	9 (5%) 21 10	97, 117, 139, 165	0
6	AI	101/101 (100%)	0.97	15 (14%) 2 1	91, 112, 125, 144	0
6	CI	101/101 (100%)	-0.05	1 (0%) 82 67	90, 107, 128, 148	0
7	AJ	155/156 (99%)	0.56	20 (12%) 3 1	111, 129, 157, 167	0
7	CJ	155/156 (99%)	0.06	0 100 100	116, 133, 162, 173	0
8	AK	138/138 (100%)	-0.35	0 100 100	97, 117, 127, 137	0
8	CK	138/138 (100%)	0.19	5 (3%) 42 22	105, 122, 135, 143	0
9	AL	127/128 (99%)	0.12	2 (1%) 72 51	100, 144, 163, 167	0
9	CL	127/128 (99%)	0.11	3 (2%) 59 37	114, 155, 170, 176	0
10	AM	99/105 (94%)	0.59	10 (10%) 7 2	100, 146, 171, 175	0
10	CM	99/105 (94%)	0.81	15 (15%) 2 1	117, 159, 174, 180	0
11	AN	119/129 (92%)	1.10	20 (16%) 1 0	83, 108, 138, 168	0
11	CN	119/129 (92%)	0.21	2 (1%) 70 49	91, 112, 138, 163	0
12	AO	125/128 (97%)	-0.20	1 (0%) 86 72	78, 92, 116, 168	0
12	CO	125/128 (97%)	0.73	14 (11%) 5 2	84, 104, 129, 170	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
13	AP	116/126 (92%)	0.08	4 (3%) 45 24	100, 133, 147, 157	0
13	CP	117/126 (92%)	-0.12	6 (5%) 28 13	121, 155, 170, 177	0
14	AQ	60/61 (98%)	-0.25	0 100 100	103, 114, 127, 135	0
14	CQ	60/61 (98%)	0.82	9 (15%) 2 1	130, 139, 155, 162	0
15	AR	88/89 (98%)	-0.21	0 100 100	89, 108, 124, 127	0
15	CR	88/89 (98%)	-0.19	0 100 100	89, 113, 131, 136	0
16	AS	84/88 (95%)	-0.58	0 100 100	107, 122, 145, 171	0
16	CS	84/88 (95%)	0.29	3 (3%) 42 22	91, 107, 126, 167	0
17	AT	100/105 (95%)	-0.40	1 (1%) 82 67	96, 114, 126, 133	0
17	CT	100/105 (95%)	0.30	2 (2%) 65 44	91, 111, 128, 149	0
18	AU	72/88 (81%)	0.79	7 (9%) 7 2	95, 112, 141, 169	0
18	CU	72/88 (81%)	-0.05	2 (2%) 53 30	96, 117, 152, 173	0
19	AV	83/93 (89%)	-0.24	2 (2%) 59 37	115, 136, 151, 157	0
19	CV	78/93 (83%)	0.34	8 (10%) 6 2	135, 166, 181, 188	0
20	AW	99/106 (93%)	-0.50	0 100 100	111, 127, 157, 162	0
20	CW	99/106 (93%)	0.04	2 (2%) 65 44	91, 116, 148, 165	0
21	AX	25/27 (92%)	-0.36	0 100 100	111, 120, 140, 160	0
21	CX	25/27 (92%)	-0.45	0 100 100	117, 138, 154, 170	0
22	AC	77/77 (100%)	-0.66	0 100 100	77, 100, 135, 151	0
22	AD	77/77 (100%)	0.16	2 (2%) 56 33	93, 214, 228, 234	0
22	CC	77/77 (100%)	-0.83	0 100 100	80, 118, 151, 171	0
22	CD	77/77 (100%)	-0.62	0 100 100	93, 220, 238, 248	0
23	A1	6/6 (100%)	-0.60	0 100 100	85, 89, 129, 143	0
23	C1	6/6 (100%)	-0.52	0 100 100	103, 111, 138, 153	0
24	BA	2912/2912 (100%)	-0.38	36 (1%) 79 61	53, 82, 212, 247	0
24	DA	2906/2912 (99%)	-0.57	31 (1%) 80 64	60, 90, 232, 251	0
25	BB	122/122 (100%)	-0.60	1 (0%) 86 72	78, 106, 126, 184	0
25	DB	122/122 (100%)	-0.79	0 100 100	91, 127, 154, 200	0
26	BD	272/276 (98%)	0.13	5 (1%) 68 47	55, 75, 94, 102	0
26	DD	272/276 (98%)	-0.28	4 (1%) 73 54	58, 81, 99, 122	0
27	BE	205/206 (99%)	0.14	8 (3%) 39 20	60, 92, 135, 153	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
27	DE	205/206 (99%)	-0.18	5 (2%) 59 37	60, 97, 142, 165	0
28	BF	202/210 (96%)	0.15	4 (1%) 65 44	54, 84, 118, 133	0
28	DF	208/210 (99%)	0.68	23 (11%) 5 2	66, 102, 156, 182	0
29	BG	181/182 (99%)	1.21	43 (23%) 0 0	95, 116, 145, 154	0
29	DG	181/182 (99%)	0.43	15 (8%) 11 4	117, 141, 165, 177	0
30	BH	170/180 (94%)	0.30	6 (3%) 44 23	88, 113, 132, 151	0
30	DH	170/180 (94%)	1.23	42 (24%) 0 0	146, 200, 223, 235	0
31	BK	146/148 (98%)	0.65	16 (10%) 5 2	87, 129, 146, 151	0
31	DK	146/148 (98%)	-0.39	0 100 100	88, 132, 151, 159	0
32	BM	138/140 (98%)	0.41	8 (5%) 23 10	78, 93, 128, 145	0
32	DM	138/140 (98%)	0.07	1 (0%) 87 75	80, 107, 137, 157	0
33	BN	122/122 (100%)	0.14	1 (0%) 86 72	69, 87, 102, 112	0
33	DN	122/122 (100%)	0.25	2 (1%) 72 51	70, 91, 109, 116	0
34	BO	150/150 (100%)	0.22	5 (3%) 46 24	60, 91, 114, 167	0
34	DO	150/150 (100%)	0.93	27 (18%) 1 0	66, 105, 140, 179	0
35	BP	141/141 (100%)	0.36	5 (3%) 44 23	68, 91, 113, 135	0
35	DP	141/141 (100%)	0.27	6 (4%) 35 17	80, 106, 130, 152	0
36	B0	118/118 (100%)	0.20	1 (0%) 86 72	72, 89, 104, 118	0
36	D0	117/118 (99%)	-0.06	0 100 100	71, 89, 108, 119	0
37	BQ	111/112 (99%)	0.71	13 (11%) 4 2	85, 104, 127, 137	0
37	DQ	111/112 (99%)	0.14	5 (4%) 33 16	98, 121, 142, 151	0
38	BR	137/146 (93%)	-0.00	5 (3%) 42 22	80, 102, 150, 169	0
38	DR	137/146 (93%)	-0.04	1 (0%) 87 75	80, 99, 159, 185	0
39	B1	117/118 (99%)	-0.03	3 (2%) 56 33	63, 83, 112, 138	0
39	D1	117/118 (99%)	-0.03	0 100 100	72, 101, 136, 154	0
40	B2	101/101 (100%)	0.43	5 (4%) 28 13	64, 102, 126, 145	0
40	D2	101/101 (100%)	0.99	16 (15%) 2 1	71, 123, 139, 148	0
41	BS	113/113 (100%)	0.19	3 (2%) 54 31	63, 80, 110, 161	0
41	DS	113/113 (100%)	0.26	2 (1%) 68 47	68, 83, 113, 161	0
42	BT	92/96 (95%)	0.50	4 (4%) 35 17	64, 78, 100, 111	0
42	DT	92/96 (95%)	0.23	5 (5%) 25 12	77, 94, 118, 128	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
43	BU	102/110 (92%)	0.62	9 (8%) 10 4	75, 99, 149, 163	0
43	DU	102/110 (92%)	1.53	30 (29%) 0 0	93, 118, 160, 182	0
44	BV	175/206 (84%)	1.89	62 (35%) 0 0	97, 131, 195, 201	0
44	DV	179/206 (86%)	1.72	57 (31%) 0 0	118, 157, 213, 219	0
45	B3	76/85 (89%)	0.30	1 (1%) 77 59	69, 85, 101, 140	0
45	D3	77/85 (90%)	0.24	2 (2%) 56 33	74, 95, 111, 151	0
46	BZ	97/98 (98%)	1.04	11 (11%) 5 2	65, 85, 132, 164	0
46	DZ	97/98 (98%)	-0.20	0 100 100	67, 91, 135, 157	0
47	BW	66/72 (91%)	0.23	1 (1%) 73 54	70, 87, 108, 132	0
47	DW	69/72 (95%)	0.51	4 (5%) 23 10	90, 112, 133, 164	0
48	BX	59/60 (98%)	0.25	4 (6%) 17 7	73, 86, 121, 137	0
48	DX	59/60 (98%)	0.74	6 (10%) 6 2	79, 102, 144, 162	0
49	B4	66/71 (92%)	2.76	42 (63%) 0 0	122, 158, 180, 186	0
49	D4	63/71 (88%)	2.48	38 (60%) 0 0	154, 187, 197, 205	0
50	B5	59/60 (98%)	0.59	9 (15%) 2 1	57, 90, 166, 172	0
50	D5	59/60 (98%)	0.62	7 (11%) 4 2	68, 91, 178, 192	0
51	B6	45/54 (83%)	9.22	45 (100%) 0 0	128, 153, 163, 164	0
51	D6	45/54 (83%)	4.96	42 (93%) 0 0	138, 164, 181, 183	0
52	B7	49/49 (100%)	0.05	2 (4%) 37 18	55, 61, 92, 120	0
52	D7	49/49 (100%)	0.12	1 (2%) 65 44	63, 70, 107, 130	0
53	B8	61/65 (93%)	0.38	3 (4%) 29 14	66, 81, 98, 124	0
53	D8	61/65 (93%)	0.42	0 100 100	73, 87, 106, 121	0
All	All	20927/21444 (97%)	-0.01	1055 (5%) 28 13	53, 106, 186, 251	0

The worst 5 of 1055 RSRZ outliers are listed below:

Mol	Chain	Res	Type	RSRZ
51	B6	16	CYS	21.4
44	DV	143	GLY	18.4
51	B6	15	GLU	17.4
34	DO	150	ALA	16.1
51	B6	43	CYS	15.5

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, 95th percentile and maximum values of B factors of atoms in the group. The column labelled 'Q< 0.9' lists the number of atoms with occupancy less than 0.9.

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
54	MG	AA	1722	1/1	0.24	0.34	96,96,96,96	0
54	MG	DA	3250	1/1	0.26	0.33	105,105,105,105	0
54	MG	CA	1798	1/1	0.31	0.21	115,115,115,115	0
54	MG	CA	1787	1/1	0.31	0.35	136,136,136,136	0
54	MG	DA	3296	1/1	0.31	0.20	104,104,104,104	0
54	MG	AC	105	1/1	0.32	0.23	100,100,100,100	0
54	MG	DA	3500	1/1	0.36	0.18	98,98,98,98	0
54	MG	DA	3446	1/1	0.39	0.19	99,99,99,99	0
54	MG	BA	3091	1/1	0.39	0.33	128,128,128,128	0
54	MG	DA	3086	1/1	0.41	0.24	109,109,109,109	0
54	MG	DA	3117	1/1	0.41	0.26	102,102,102,102	0
54	MG	B8	101	1/1	0.43	0.28	91,91,91,91	0
54	MG	AA	1675	1/1	0.46	0.37	112,112,112,112	0
54	MG	DA	3025	1/1	0.46	0.17	91,91,91,91	0
54	MG	CA	1732	1/1	0.48	0.31	108,108,108,108	0
54	MG	AA	1614	1/1	0.48	0.17	132,132,132,132	0
54	MG	BA	3510	1/1	0.49	0.51	97,97,97,97	0
54	MG	BA	3288	1/1	0.50	0.41	115,115,115,115	0
54	MG	BA	3468	1/1	0.50	0.28	99,99,99,99	0
54	MG	DA	3432	1/1	0.52	0.23	102,102,102,102	0
54	MG	CA	1755	1/1	0.52	0.23	104,104,104,104	0
54	MG	BA	3509	1/1	0.52	0.76	102,102,102,102	0
54	MG	AA	1743	1/1	0.54	0.24	100,100,100,100	0
54	MG	CA	1684	1/1	0.54	0.21	91,91,91,91	0
54	MG	CA	1709	1/1	0.54	0.24	97,97,97,97	0
54	MG	AA	1717	1/1	0.55	0.28	87,87,87,87	0
54	MG	DA	3353	1/1	0.55	0.28	83,83,83,83	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
54	MG	CA	1781	1/1	0.55	0.25	148,148,148,148	0
54	MG	BA	3464	1/1	0.55	0.36	101,101,101,101	0
54	MG	CA	1658	1/1	0.55	0.24	104,104,104,104	0
54	MG	DA	3439	1/1	0.56	0.13	95,95,95,95	0
54	MG	BA	3447	1/1	0.57	0.29	83,83,83,83	0
54	MG	BA	3280	1/1	0.58	0.32	106,106,106,106	0
54	MG	BA	3438	1/1	0.58	0.22	90,90,90,90	0
54	MG	DA	3357	1/1	0.59	0.12	123,123,123,123	0
54	MG	DA	3406	1/1	0.59	0.29	113,113,113,113	0
54	MG	DA	3002	1/1	0.59	0.16	87,87,87,87	0
54	MG	DB	212	1/1	0.59	0.21	101,101,101,101	0
54	MG	DA	3042	1/1	0.60	0.19	78,78,78,78	0
54	MG	CA	1618	1/1	0.60	0.19	108,108,108,108	0
54	MG	CA	1785	1/1	0.60	0.48	101,101,101,101	0
54	MG	DA	3391	1/1	0.60	0.22	107,107,107,107	0
54	MG	BA	3418	1/1	0.60	0.39	104,104,104,104	0
54	MG	CA	1676	1/1	0.61	0.20	90,90,90,90	0
54	MG	AA	1709	1/1	0.61	0.20	106,106,106,106	0
54	MG	AA	1836	1/1	0.61	0.16	91,91,91,91	0
54	MG	BA	3231	1/1	0.61	0.21	89,89,89,89	0
54	MG	DA	3370	1/1	0.61	0.40	87,87,87,87	0
54	MG	CA	1739	1/1	0.61	0.26	120,120,120,120	0
54	MG	BA	3456	1/1	0.62	0.13	225,225,225,225	0
54	MG	AA	1818	1/1	0.62	0.53	121,121,121,121	0
54	MG	DA	3040	1/1	0.62	0.16	103,103,103,103	0
54	MG	DA	3017	1/1	0.63	0.34	105,105,105,105	0
54	MG	CA	1697	1/1	0.63	0.30	95,95,95,95	0
54	MG	AA	1816	1/1	0.64	0.36	93,93,93,93	0
54	MG	AA	1612	1/1	0.64	0.19	131,131,131,131	0
54	MG	CA	1715	1/1	0.64	0.21	102,102,102,102	0
54	MG	DA	3149	1/1	0.64	0.24	79,79,79,79	0
54	MG	BA	3289	1/1	0.64	0.32	94,94,94,94	0
54	MG	CA	1660	1/1	0.64	0.15	101,101,101,101	0
54	MG	BA	3341	1/1	0.64	0.21	67,67,67,67	0
54	MG	BA	3531	1/1	0.64	0.31	83,83,83,83	0
54	MG	DA	3517	1/1	0.65	0.39	80,80,80,80	0
54	MG	BA	3519	1/1	0.65	0.38	115,115,115,115	0
54	MG	AA	1700	1/1	0.66	0.20	84,84,84,84	0
54	MG	BA	3522	1/1	0.66	0.46	100,100,100,100	0
54	MG	AA	1637	1/1	0.66	0.33	122,122,122,122	0
54	MG	BA	3149	1/1	0.66	0.27	91,91,91,91	0
54	MG	CA	1602	1/1	0.66	0.18	91,91,91,91	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
54	MG	DA	3281	1/1	0.66	0.19	92,92,92,92	0
54	MG	BA	3481	1/1	0.66	0.20	79,79,79,79	0
54	MG	BA	3163	1/1	0.66	0.29	94,94,94,94	0
54	MG	BA	3453	1/1	0.66	0.17	78,78,78,78	0
54	MG	DB	214	1/1	0.66	0.12	101,101,101,101	0
54	MG	BA	3114	1/1	0.67	0.16	98,98,98,98	0
54	MG	CA	1639	1/1	0.67	0.18	95,95,95,95	0
54	MG	AA	1773	1/1	0.67	0.42	125,125,125,125	0
54	MG	AA	1785	1/1	0.67	0.32	146,146,146,146	0
54	MG	BA	3196	1/1	0.67	0.26	85,85,85,85	0
54	MG	CA	1778	1/1	0.67	0.23	107,107,107,107	0
54	MG	AA	1788	1/1	0.67	0.25	91,91,91,91	0
54	MG	DA	3358	1/1	0.67	0.18	113,113,113,113	0
54	MG	AA	1610	1/1	0.67	0.16	102,102,102,102	0
54	MG	BA	3489	1/1	0.68	0.18	84,84,84,84	0
54	MG	BA	3408	1/1	0.68	0.30	79,79,79,79	0
54	MG	BA	3621	1/1	0.68	0.20	93,93,93,93	0
54	MG	CA	1724	1/1	0.68	0.30	94,94,94,94	0
54	MG	BA	3151	1/1	0.68	0.37	91,91,91,91	0
54	MG	AA	1714	1/1	0.68	0.21	88,88,88,88	0
54	MG	DB	206	1/1	0.68	0.32	104,104,104,104	0
54	MG	DA	3390	1/1	0.68	0.23	76,76,76,76	0
54	MG	CA	1615	1/1	0.68	0.25	113,113,113,113	0
54	MG	DA	3253	1/1	0.69	0.20	88,88,88,88	0
54	MG	DA	3460	1/1	0.69	1.04	100,100,100,100	0
54	MG	AA	1735	1/1	0.69	0.29	104,104,104,104	0
54	MG	BA	3440	1/1	0.69	0.32	73,73,73,73	0
54	MG	BA	3362	1/1	0.69	0.30	83,83,83,83	0
54	MG	BA	3039	1/1	0.69	0.29	76,76,76,76	0
54	MG	AA	1677	1/1	0.69	0.37	109,109,109,109	0
54	MG	AA	1782	1/1	0.70	0.42	124,124,124,124	0
54	MG	AA	1808	1/1	0.70	0.35	125,125,125,125	0
54	MG	BA	3599	1/1	0.70	0.35	85,85,85,85	0
54	MG	BA	3334	1/1	0.70	0.19	84,84,84,84	0
54	MG	BA	3623	1/1	0.70	0.25	93,93,93,93	0
54	MG	AD	101	1/1	0.70	0.27	114,114,114,114	0
54	MG	DA	3113	1/1	0.70	0.36	83,83,83,83	0
54	MG	AA	1740	1/1	0.70	0.42	83,83,83,83	0
54	MG	BA	3367	1/1	0.70	0.23	91,91,91,91	0
54	MG	DA	3457	1/1	0.70	0.22	84,84,84,84	0
54	MG	DA	3459	1/1	0.70	0.33	87,87,87,87	0
54	MG	BA	3090	1/1	0.70	0.26	85,85,85,85	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	0.70	0.11	145,145,145,145	0
54	MG	BA	3419	1/1	0.70	0.28	81,81,81,81	0
54	MG	BA	3427	1/1	0.70	0.10	160,160,160,160	0
54	MG	DA	3327	1/1	0.70	0.22	75,75,75,75	0
54	MG	BA	3099	1/1	0.70	0.14	68,68,68,68	0
54	MG	CA	1716	1/1	0.71	0.73	103,103,103,103	0
54	MG	CA	1608	1/1	0.71	0.17	94,94,94,94	0
54	MG	CA	1613	1/1	0.71	0.31	86,86,86,86	0
54	MG	BA	3450	1/1	0.71	0.11	166,166,166,166	0
54	MG	CA	1751	1/1	0.71	0.20	95,95,95,95	0
54	MG	BA	3490	1/1	0.71	0.32	102,102,102,102	0
54	MG	DA	3278	1/1	0.71	0.22	91,91,91,91	0
54	MG	DA	3392	1/1	0.71	0.12	82,82,82,82	0
54	MG	DB	211	1/1	0.71	0.39	90,90,90,90	0
54	MG	AA	1706	1/1	0.71	0.21	94,94,94,94	0
54	MG	BA	3277	1/1	0.71	0.30	89,89,89,89	0
54	MG	BA	3332	1/1	0.72	0.36	92,92,92,92	0
54	MG	AG	301	1/1	0.72	0.08	122,122,122,122	0
54	MG	AA	1765	1/1	0.72	0.39	122,122,122,122	0
54	MG	DA	3151	1/1	0.72	0.16	106,106,106,106	0
54	MG	DA	3410	1/1	0.72	0.15	67,67,67,67	0
54	MG	BA	3432	1/1	0.72	0.27	81,81,81,81	0
54	MG	CG	301	1/1	0.72	0.21	113,113,113,113	0
54	MG	CC	107	1/1	0.72	0.22	105,105,105,105	0
54	MG	BA	3543	1/1	0.72	0.30	98,98,98,98	0
54	MG	DA	3282	1/1	0.72	0.30	88,88,88,88	0
54	MG	BA	3580	1/1	0.72	0.42	68,68,68,68	0
54	MG	DA	3301	1/1	0.72	0.20	140,140,140,140	0
54	MG	BA	3222	1/1	0.72	0.25	62,62,62,62	0
54	MG	BA	3089	1/1	0.72	0.36	87,87,87,87	0
54	MG	DB	208	1/1	0.72	0.24	94,94,94,94	0
54	MG	BA	3392	1/1	0.72	0.23	91,91,91,91	0
54	MG	DA	3058	1/1	0.72	0.19	84,84,84,84	0
54	MG	BA	3316	1/1	0.72	0.30	91,91,91,91	0
54	MG	AA	1718	1/1	0.73	0.23	87,87,87,87	0
54	MG	BA	3072	1/1	0.73	0.33	81,81,81,81	0
54	MG	DA	3274	1/1	0.73	0.37	100,100,100,100	0
54	MG	BA	3130	1/1	0.73	0.29	105,105,105,105	0
54	MG	AA	1751	1/1	0.73	0.25	90,90,90,90	0
54	MG	DA	3443	1/1	0.73	0.12	85,85,85,85	0
54	MG	DA	3037	1/1	0.73	0.35	101,101,101,101	0
54	MG	AA	1759	1/1	0.73	0.18	101,101,101,101	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
54	MG	CA	1768	1/1	0.73	0.21	97,97,97,97	0
54	MG	BA	3364	1/1	0.73	0.32	78,78,78,78	0
54	MG	DA	3348	1/1	0.73	0.27	90,90,90,90	0
54	MG	DA	3064	1/1	0.73	0.39	88,88,88,88	0
54	MG	BB	214	1/1	0.73	0.15	99,99,99,99	0
54	MG	BA	3157	1/1	0.73	0.21	72,72,72,72	0
54	MG	BA	3376	1/1	0.73	0.22	84,84,84,84	0
54	MG	BA	3391	1/1	0.73	0.35	85,85,85,85	0
54	MG	AA	1606	1/1	0.73	0.15	101,101,101,101	0
54	MG	DA	3111	1/1	0.74	0.35	105,105,105,105	0
54	MG	BA	3342	1/1	0.74	0.23	85,85,85,85	0
54	MG	BA	3353	1/1	0.74	0.46	95,95,95,95	0
54	MG	CA	1719	1/1	0.74	0.12	104,104,104,104	0
54	MG	AA	1647	1/1	0.74	0.37	92,92,92,92	0
54	MG	DA	3289	1/1	0.74	0.34	110,110,110,110	0
54	MG	DA	3519	1/1	0.74	0.12	81,81,81,81	0
54	MG	DA	3434	1/1	0.74	0.22	92,92,92,92	0
54	MG	BA	3301	1/1	0.74	0.32	91,91,91,91	0
54	MG	DA	3442	1/1	0.74	0.18	105,105,105,105	0
54	MG	DA	3379	1/1	0.74	0.30	88,88,88,88	0
54	MG	DA	3444	1/1	0.74	0.11	133,133,133,133	0
54	MG	DA	3324	1/1	0.75	0.45	90,90,90,90	0
54	MG	BA	3503	1/1	0.75	0.42	117,117,117,117	0
54	MG	BA	3597	1/1	0.75	0.29	103,103,103,103	0
54	MG	BA	3442	1/1	0.75	0.23	89,89,89,89	0
54	MG	BA	3230	1/1	0.75	0.19	71,71,71,71	0
54	MG	AA	1694	1/1	0.75	0.29	87,87,87,87	0
54	MG	CA	1725	1/1	0.75	0.19	115,115,115,115	0
54	MG	BA	3380	1/1	0.75	0.24	74,74,74,74	0
54	MG	DA	3382	1/1	0.75	0.34	94,94,94,94	0
54	MG	DA	3501	1/1	0.75	0.17	82,82,82,82	0
54	MG	BA	3180	1/1	0.75	0.50	92,92,92,92	0
54	MG	BA	3533	1/1	0.75	0.25	89,89,89,89	0
54	MG	CA	1695	1/1	0.75	0.12	119,119,119,119	0
54	MG	CA	1767	1/1	0.75	0.31	80,80,80,80	0
54	MG	BA	3499	1/1	0.75	0.21	82,82,82,82	0
54	MG	CA	1707	1/1	0.75	0.27	88,88,88,88	0
54	MG	CA	1708	1/1	0.75	0.19	98,98,98,98	0
54	MG	AA	1817	1/1	0.76	0.13	137,137,137,137	0
54	MG	BA	3349	1/1	0.76	0.14	64,64,64,64	0
54	MG	AA	1693	1/1	0.76	0.20	106,106,106,106	0
54	MG	DA	3304	1/1	0.76	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	DA	3309	1/1	0.76	0.14	64,64,64,64	0
54	MG	BA	3397	1/1	0.76	0.36	84,84,84,84	0
54	MG	BA	3360	1/1	0.76	0.24	85,85,85,85	0
54	MG	AA	1797	1/1	0.76	0.39	102,102,102,102	0
54	MG	CA	1603	1/1	0.76	0.33	115,115,115,115	0
54	MG	AA	1688	1/1	0.76	0.35	118,118,118,118	0
54	MG	DA	3461	1/1	0.76	0.21	93,93,93,93	0
54	MG	DA	3496	1/1	0.76	0.17	86,86,86,86	0
54	MG	CA	1795	1/1	0.76	0.11	87,87,87,87	0
54	MG	BA	3465	1/1	0.76	0.20	79,79,79,79	0
54	MG	BA	3365	1/1	0.76	0.17	86,86,86,86	0
54	MG	BA	3469	1/1	0.76	0.44	94,94,94,94	0
54	MG	CC	109	1/1	0.76	0.22	111,111,111,111	0
54	MG	BA	3566	1/1	0.76	0.44	70,70,70,70	0
54	MG	DA	3005	1/1	0.76	0.36	99,99,99,99	0
54	MG	AA	1777	1/1	0.76	0.12	117,117,117,117	0
54	MG	BA	3206	1/1	0.76	0.30	89,89,89,89	0
54	MG	AA	1730	1/1	0.77	0.23	90,90,90,90	0
54	MG	BA	3345	1/1	0.77	0.32	91,91,91,91	0
54	MG	AA	1734	1/1	0.77	0.33	135,135,135,135	0
54	MG	DA	3492	1/1	0.77	0.22	96,96,96,96	0
54	MG	AA	1679	1/1	0.77	0.33	86,86,86,86	0
54	MG	BA	3394	1/1	0.77	0.22	102,102,102,102	0
54	MG	DA	3023	1/1	0.77	0.15	76,76,76,76	0
54	MG	BA	3109	1/1	0.77	0.32	89,89,89,89	0
54	MG	BA	3404	1/1	0.77	0.29	90,90,90,90	0
54	MG	BA	3327	1/1	0.77	0.35	85,85,85,85	0
54	MG	BA	3273	1/1	0.77	0.20	80,80,80,80	0
54	MG	AA	1754	1/1	0.77	0.18	91,91,91,91	0
54	MG	AA	1755	1/1	0.77	0.21	88,88,88,88	0
54	MG	DA	3072	1/1	0.77	0.11	109,109,109,109	0
54	MG	CA	1713	1/1	0.78	0.18	109,109,109,109	0
54	MG	BA	3588	1/1	0.78	0.44	77,77,77,77	0
54	MG	BA	3594	1/1	0.78	0.66	81,81,81,81	0
54	MG	CA	1620	1/1	0.78	0.25	75,75,75,75	0
54	MG	BA	3237	1/1	0.78	0.49	64,64,64,64	0
54	MG	DA	3316	1/1	0.78	0.30	76,76,76,76	0
54	MG	BA	3245	1/1	0.78	0.32	67,67,67,67	0
54	MG	DA	3455	1/1	0.78	0.36	80,80,80,80	0
54	MG	DA	3325	1/1	0.78	0.25	92,92,92,92	0
54	MG	BA	3249	1/1	0.78	0.23	74,74,74,74	0
54	MG	DA	3329	1/1	0.78	0.46	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	DA	3134	1/1	0.78	0.13	96,96,96,96	0
54	MG	DA	3144	1/1	0.78	0.23	79,79,79,79	0
54	MG	DA	3493	1/1	0.78	0.11	90,90,90,90	0
54	MG	BA	3393	1/1	0.78	0.51	89,89,89,89	0
54	MG	AA	1692	1/1	0.78	0.20	94,94,94,94	0
54	MG	DA	3187	1/1	0.78	0.27	83,83,83,83	0
54	MG	CA	1752	1/1	0.78	0.11	94,94,94,94	0
54	MG	AA	1829	1/1	0.78	0.19	81,81,81,81	0
54	MG	AA	1684	1/1	0.78	0.37	90,90,90,90	0
54	MG	DA	3277	1/1	0.78	0.36	76,76,76,76	0
54	MG	AA	1621	1/1	0.78	0.32	101,101,101,101	0
54	MG	BA	3493	1/1	0.78	0.27	74,74,74,74	0
54	MG	BA	3183	1/1	0.78	0.37	75,75,75,75	0
54	MG	DE	303	1/1	0.78	0.12	85,85,85,85	0
56	ZN	CG	303	1/1	0.78	0.27	139,139,139,139	0
54	MG	DA	3428	1/1	0.79	0.16	86,86,86,86	0
54	MG	DA	3056	1/1	0.79	0.24	97,97,97,97	0
54	MG	AA	1736	1/1	0.79	0.23	92,92,92,92	0
54	MG	CA	1629	1/1	0.79	0.12	107,107,107,107	0
54	MG	BA	3517	1/1	0.79	0.37	90,90,90,90	0
54	MG	DA	3084	1/1	0.79	0.15	67,67,67,67	0
54	MG	BA	3518	1/1	0.79	0.54	87,87,87,87	0
54	MG	BA	3361	1/1	0.79	0.26	76,76,76,76	0
54	MG	AA	1731	1/1	0.79	0.14	97,97,97,97	0
54	MG	AA	1758	1/1	0.79	0.22	71,71,71,71	0
54	MG	BA	3300	1/1	0.79	0.42	95,95,95,95	0
54	MG	DA	3137	1/1	0.79	0.36	86,86,86,86	0
54	MG	AA	1725	1/1	0.79	0.17	105,105,105,105	0
54	MG	CA	1698	1/1	0.79	0.19	96,96,96,96	0
54	MG	BA	3223	1/1	0.79	0.19	84,84,84,84	0
54	MG	DA	3161	1/1	0.79	0.17	84,84,84,84	0
54	MG	DA	3024	1/1	0.79	0.15	110,110,110,110	0
54	MG	DA	3214	1/1	0.79	0.25	69,69,69,69	0
54	MG	AA	1649	1/1	0.79	0.31	81,81,81,81	0
54	MG	DA	3029	1/1	0.79	0.18	96,96,96,96	0
54	MG	DA	3520	1/1	0.79	0.33	99,99,99,99	0
54	MG	DA	3254	1/1	0.79	0.26	79,79,79,79	0
54	MG	DA	3270	1/1	0.79	0.41	90,90,90,90	0
54	MG	CA	1769	1/1	0.79	0.29	101,101,101,101	0
54	MG	BA	3381	1/1	0.79	0.27	89,89,89,89	0
54	MG	BA	3423	1/1	0.79	0.40	100,100,100,100	0
54	MG	DA	3411	1/1	0.79	0.34	88,88,88,88	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
54	MG	DA	3416	1/1	0.79	0.30	86,86,86,86	0
54	MG	BA	3336	1/1	0.80	0.21	72,72,72,72	0
54	MG	BB	206	1/1	0.80	0.21	84,84,84,84	0
54	MG	AA	1723	1/1	0.80	0.21	82,82,82,82	0
54	MG	DA	3258	1/1	0.80	0.37	86,86,86,86	0
54	MG	DA	3420	1/1	0.80	0.21	84,84,84,84	0
54	MG	BE	303	1/1	0.80	0.30	89,89,89,89	0
54	MG	BU	202	1/1	0.80	0.20	71,71,71,71	0
54	MG	BA	3111	1/1	0.80	0.46	85,85,85,85	0
54	MG	BA	3523	1/1	0.80	0.35	82,82,82,82	0
54	MG	AA	1814	1/1	0.80	0.16	91,91,91,91	0
54	MG	BA	3429	1/1	0.80	0.55	103,103,103,103	0
54	MG	BA	3290	1/1	0.80	0.19	82,82,82,82	0
54	MG	BA	3550	1/1	0.80	0.23	98,98,98,98	0
54	MG	BA	3555	1/1	0.80	0.15	105,105,105,105	0
54	MG	BA	3240	1/1	0.80	0.23	84,84,84,84	0
54	MG	AA	1727	1/1	0.80	0.21	88,88,88,88	0
54	MG	DA	3071	1/1	0.80	0.13	107,107,107,107	0
54	MG	CA	1765	1/1	0.80	0.19	122,122,122,122	0
54	MG	BA	3248	1/1	0.80	0.21	76,76,76,76	0
54	MG	CA	1642	1/1	0.80	0.12	116,116,116,116	0
54	MG	AC	104	1/1	0.80	0.26	100,100,100,100	0
54	MG	BA	3400	1/1	0.80	0.17	72,72,72,72	0
54	MG	AA	1732	1/1	0.80	0.11	104,104,104,104	0
54	MG	CA	1681	1/1	0.80	0.33	88,88,88,88	0
54	MG	BA	3604	1/1	0.80	0.28	92,92,92,92	0
54	MG	DA	3360	1/1	0.80	0.36	86,86,86,86	0
54	MG	CA	1689	1/1	0.80	0.15	98,98,98,98	0
54	MG	DA	3374	1/1	0.80	0.25	87,87,87,87	0
54	MG	CA	1796	1/1	0.80	0.11	81,81,81,81	0
54	MG	BA	3618	1/1	0.80	0.20	87,87,87,87	0
54	MG	BA	3619	1/1	0.80	0.32	87,87,87,87	0
54	MG	CC	105	1/1	0.80	0.38	86,86,86,86	0
54	MG	AA	1800	1/1	0.80	0.21	89,89,89,89	0
54	MG	BA	3118	1/1	0.81	0.48	83,83,83,83	0
54	MG	DA	3409	1/1	0.81	0.30	95,95,95,95	0
54	MG	DA	3007	1/1	0.81	0.34	76,76,76,76	0
54	MG	DA	3013	1/1	0.81	0.12	95,95,95,95	0
54	MG	BA	3436	1/1	0.81	0.25	75,75,75,75	0
54	MG	BA	3221	1/1	0.81	0.34	93,93,93,93	0
54	MG	DA	3424	1/1	0.81	0.47	114,114,114,114	0
54	MG	CA	1621	1/1	0.81	0.21	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	CA	1749	1/1	0.81	0.24	91,91,91,91	0
54	MG	DA	3279	1/1	0.81	0.17	70,70,70,70	0
54	MG	AA	1673	1/1	0.81	0.13	131,131,131,131	0
54	MG	BA	3603	1/1	0.81	0.23	93,93,93,93	0
54	MG	AA	1833	1/1	0.81	0.11	98,98,98,98	0
54	MG	DA	3290	1/1	0.81	0.22	75,75,75,75	0
54	MG	CA	1760	1/1	0.81	0.31	109,109,109,109	0
54	MG	BA	3228	1/1	0.81	0.17	62,62,62,62	0
54	MG	BA	3150	1/1	0.81	0.47	76,76,76,76	0
54	MG	DA	3458	1/1	0.81	0.12	91,91,91,91	0
54	MG	BA	3355	1/1	0.81	0.40	86,86,86,86	0
54	MG	AA	1674	1/1	0.81	0.24	93,93,93,93	0
54	MG	BA	3629	1/1	0.81	0.26	100,100,100,100	0
54	MG	BA	3630	1/1	0.81	0.21	93,93,93,93	0
54	MG	CA	1782	1/1	0.81	0.32	93,93,93,93	0
54	MG	BA	3462	1/1	0.81	0.27	94,94,94,94	0
54	MG	BB	212	1/1	0.81	0.34	82,82,82,82	0
54	MG	CA	1791	1/1	0.81	0.14	95,95,95,95	0
54	MG	AA	1683	1/1	0.81	0.25	97,97,97,97	0
54	MG	BA	3313	1/1	0.81	0.48	94,94,94,94	0
54	MG	AA	1616	1/1	0.81	0.33	81,81,81,81	0
54	MG	AA	1793	1/1	0.81	0.27	71,71,71,71	0
54	MG	CC	104	1/1	0.81	0.20	103,103,103,103	0
54	MG	AA	1687	1/1	0.81	0.14	137,137,137,137	0
54	MG	BA	3374	1/1	0.81	0.36	74,74,74,74	0
54	MG	DB	213	1/1	0.81	0.50	111,111,111,111	0
54	MG	AA	1828	1/1	0.81	0.24	107,107,107,107	0
54	MG	DE	302	1/1	0.81	0.22	96,96,96,96	0
54	MG	DA	3240	1/1	0.81	0.16	86,86,86,86	0
54	MG	BA	3585	1/1	0.81	0.44	77,77,77,77	0
54	MG	BA	3094	1/1	0.82	0.29	103,103,103,103	0
54	MG	DA	3085	1/1	0.82	0.41	89,89,89,89	0
54	MG	CA	1766	1/1	0.82	0.23	74,74,74,74	0
54	MG	DA	3089	1/1	0.82	0.32	81,81,81,81	0
54	MG	DA	3096	1/1	0.82	0.43	88,88,88,88	0
54	MG	BA	3573	1/1	0.82	0.19	87,87,87,87	0
54	MG	DA	3006	1/1	0.82	0.39	95,95,95,95	0
54	MG	DA	3311	1/1	0.82	0.42	74,74,74,74	0
54	MG	AA	1772	1/1	0.82	0.32	110,110,110,110	0
54	MG	BA	3100	1/1	0.82	0.21	105,105,105,105	0
54	MG	AA	1671	1/1	0.82	0.38	81,81,81,81	0
54	MG	BB	211	1/1	0.82	0.27	99,99,99,99	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
54	MG	BA	3375	1/1	0.82	0.46	99,99,99,99	0
54	MG	DA	3150	1/1	0.82	0.29	91,91,91,91	0
54	MG	BB	213	1/1	0.82	0.28	103,103,103,103	0
54	MG	DA	3026	1/1	0.82	0.23	76,76,76,76	0
54	MG	DA	3488	1/1	0.82	0.14	77,77,77,77	0
54	MG	DA	3184	1/1	0.82	0.26	87,87,87,87	0
54	MG	BA	3530	1/1	0.82	0.26	85,85,85,85	0
54	MG	DA	3036	1/1	0.82	0.40	114,114,114,114	0
54	MG	AA	1812	1/1	0.82	0.51	99,99,99,99	0
54	MG	DA	3377	1/1	0.82	0.18	85,85,85,85	0
54	MG	AA	1768	1/1	0.82	0.15	89,89,89,89	0
54	MG	CA	1678	1/1	0.82	0.31	75,75,75,75	0
54	MG	DA	3387	1/1	0.82	0.18	89,89,89,89	0
54	MG	DA	3389	1/1	0.82	0.13	82,82,82,82	0
54	MG	DA	3049	1/1	0.82	0.28	92,92,92,92	0
54	MG	BA	3279	1/1	0.82	0.39	68,68,68,68	0
54	MG	BA	3614	1/1	0.82	0.21	92,92,92,92	0
54	MG	BA	3414	1/1	0.82	0.79	102,102,102,102	0
54	MG	DA	3067	1/1	0.82	0.43	93,93,93,93	0
54	MG	CA	1604	1/1	0.82	0.11	91,91,91,91	0
54	MG	BA	3516	1/1	0.82	0.49	90,90,90,90	0
54	MG	DA	3077	1/1	0.82	0.35	110,110,110,110	0
54	MG	AA	1787	1/1	0.83	0.09	89,89,89,89	0
54	MG	AA	1748	1/1	0.83	0.15	152,152,152,152	0
54	MG	BA	3622	1/1	0.83	0.24	97,97,97,97	0
54	MG	A1	101	1/1	0.83	0.19	94,94,94,94	0
54	MG	CA	1679	1/1	0.83	0.24	97,97,97,97	0
54	MG	AA	1636	1/1	0.83	0.21	76,76,76,76	0
54	MG	BA	3121	1/1	0.83	0.24	98,98,98,98	0
54	MG	DA	3429	1/1	0.83	0.27	103,103,103,103	0
54	MG	BA	3534	1/1	0.83	0.44	85,85,85,85	0
54	MG	BA	3537	1/1	0.83	0.13	65,65,65,65	0
54	MG	BA	3068	1/1	0.83	0.36	94,94,94,94	0
54	MG	DA	3082	1/1	0.83	0.15	97,97,97,97	0
54	MG	BA	3547	1/1	0.83	0.45	84,84,84,84	0
54	MG	BA	3141	1/1	0.83	0.31	76,76,76,76	0
54	MG	AA	1617	1/1	0.83	0.25	97,97,97,97	0
54	MG	BA	3308	1/1	0.83	0.18	108,108,108,108	0
54	MG	AA	1660	1/1	0.83	0.16	68,68,68,68	0
54	MG	BA	3424	1/1	0.83	0.26	86,86,86,86	0
54	MG	BA	3583	1/1	0.83	0.21	88,88,88,88	0
54	MG	BA	3426	1/1	0.83	0.36	100,100,100,100	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
54	MG	AA	1638	1/1	0.83	0.19	109,109,109,109	0
54	MG	DA	3462	1/1	0.83	0.28	94,94,94,94	0
54	MG	AA	1835	1/1	0.83	0.30	100,100,100,100	0
54	MG	BA	3596	1/1	0.83	0.24	85,85,85,85	0
54	MG	AA	1811	1/1	0.83	0.63	102,102,102,102	0
54	MG	CA	1747	1/1	0.83	0.34	96,96,96,96	0
54	MG	DA	3018	1/1	0.83	0.12	90,90,90,90	0
54	MG	DA	3153	1/1	0.83	0.31	88,88,88,88	0
54	MG	DA	3154	1/1	0.83	0.17	102,102,102,102	0
54	MG	DA	3155	1/1	0.83	0.22	74,74,74,74	0
54	MG	AA	1681	1/1	0.83	0.20	101,101,101,101	0
54	MG	DA	3167	1/1	0.83	0.31	105,105,105,105	0
54	MG	DB	207	1/1	0.83	0.27	133,133,133,133	0
54	MG	DA	3168	1/1	0.83	0.11	69,69,69,69	0
54	MG	BA	3257	1/1	0.83	0.36	73,73,73,73	0
54	MG	CA	1626	1/1	0.83	0.24	115,115,115,115	0
54	MG	BA	3390	1/1	0.83	0.37	95,95,95,95	0
54	MG	BA	3270	1/1	0.83	0.41	91,91,91,91	0
54	MG	CA	1640	1/1	0.83	0.24	99,99,99,99	0
54	MG	AA	1641	1/1	0.83	0.22	74,74,74,74	0
54	MG	DA	3407	1/1	0.83	0.16	94,94,94,94	0
54	MG	BA	3191	1/1	0.84	0.26	78,78,78,78	0
54	MG	CA	1641	1/1	0.84	0.30	78,78,78,78	0
54	MG	DA	3051	1/1	0.84	0.36	78,78,78,78	0
54	MG	BA	3225	1/1	0.84	0.22	75,75,75,75	0
54	MG	BA	3347	1/1	0.84	0.40	86,86,86,86	0
54	MG	DA	3192	1/1	0.84	0.27	92,92,92,92	0
54	MG	CA	1799	1/1	0.84	0.10	115,115,115,115	0
54	MG	CA	1735	1/1	0.84	0.30	86,86,86,86	0
54	MG	BA	3227	1/1	0.84	0.10	101,101,101,101	0
54	MG	BA	3410	1/1	0.84	0.44	83,83,83,83	0
54	MG	BA	3287	1/1	0.84	0.46	70,70,70,70	0
54	MG	CC	108	1/1	0.84	0.12	120,120,120,120	0
54	MG	BA	3416	1/1	0.84	0.15	92,92,92,92	0
54	MG	BA	3417	1/1	0.84	0.41	82,82,82,82	0
54	MG	BA	3322	1/1	0.84	0.27	76,76,76,76	0
54	MG	AA	1825	1/1	0.84	0.15	92,92,92,92	0
54	MG	CA	1616	1/1	0.84	0.11	102,102,102,102	0
54	MG	AN	202	1/1	0.84	0.08	88,88,88,88	0
54	MG	AA	1767	1/1	0.84	0.21	82,82,82,82	0
54	MG	CA	1701	1/1	0.84	0.24	90,90,90,90	0
54	MG	DA	3020	1/1	0.84	0.28	81,81,81,81	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
54	MG	BA	3296	1/1	0.84	0.39	81,81,81,81	0
54	MG	CA	1771	1/1	0.84	0.34	96,96,96,96	0
54	MG	CA	1622	1/1	0.84	0.40	113,113,113,113	0
54	MG	CA	1779	1/1	0.84	0.23	97,97,97,97	0
54	MG	CA	1624	1/1	0.84	0.11	92,92,92,92	0
54	MG	BA	3131	1/1	0.84	0.40	80,80,80,80	0
54	MG	BA	3525	1/1	0.84	0.30	47,47,47,47	0
54	MG	BA	3428	1/1	0.84	0.12	90,90,90,90	0
54	MG	D1	201	1/1	0.84	0.27	72,72,72,72	0
54	MG	DA	3326	1/1	0.84	0.27	82,82,82,82	0
54	MG	BA	3344	1/1	0.85	0.13	91,91,91,91	0
54	MG	BA	3217	1/1	0.85	0.29	98,98,98,98	0
54	MG	AA	1711	1/1	0.85	0.10	132,132,132,132	0
54	MG	CA	1614	1/1	0.85	0.15	100,100,100,100	0
54	MG	BA	3135	1/1	0.85	0.39	85,85,85,85	0
54	MG	AA	1790	1/1	0.85	0.26	97,97,97,97	0
54	MG	DA	3383	1/1	0.85	0.32	87,87,87,87	0
54	MG	DA	3384	1/1	0.85	0.32	81,81,81,81	0
54	MG	DA	3386	1/1	0.85	0.26	71,71,71,71	0
54	MG	BA	3092	1/1	0.85	0.37	72,72,72,72	0
54	MG	DA	3019	1/1	0.85	0.15	79,79,79,79	0
54	MG	DA	3162	1/1	0.85	0.13	81,81,81,81	0
54	MG	AA	1631	1/1	0.85	0.28	92,92,92,92	0
54	MG	AA	1715	1/1	0.85	0.35	112,112,112,112	0
54	MG	DA	3399	1/1	0.85	0.13	103,103,103,103	0
54	MG	CA	1750	1/1	0.85	0.33	97,97,97,97	0
54	MG	DA	3186	1/1	0.85	0.19	84,84,84,84	0
54	MG	AA	1634	1/1	0.85	0.22	97,97,97,97	0
54	MG	BA	3160	1/1	0.85	0.46	92,92,92,92	0
54	MG	DA	3196	1/1	0.85	0.20	72,72,72,72	0
54	MG	BA	3304	1/1	0.85	0.41	81,81,81,81	0
54	MG	DA	3418	1/1	0.85	0.16	97,97,97,97	0
54	MG	DA	3223	1/1	0.85	0.35	73,73,73,73	0
54	MG	DA	3238	1/1	0.85	0.19	65,65,65,65	0
54	MG	BA	3425	1/1	0.85	0.14	87,87,87,87	0
54	MG	AA	1801	1/1	0.85	0.28	113,113,113,113	0
54	MG	DA	3038	1/1	0.85	0.13	119,119,119,119	0
54	MG	BA	3372	1/1	0.85	0.36	81,81,81,81	0
54	MG	BA	3165	1/1	0.85	0.37	48,48,48,48	0
54	MG	BA	3167	1/1	0.85	0.23	68,68,68,68	0
54	MG	CA	1653	1/1	0.85	0.21	124,124,124,124	0
54	MG	DA	3275	1/1	0.85	0.20	76,76,76,76	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
54	MG	DA	3445	1/1	0.85	0.10	96,96,96,96	0
54	MG	BA	3318	1/1	0.85	0.38	71,71,71,71	0
54	MG	DA	3449	1/1	0.85	0.22	88,88,88,88	0
54	MG	AA	1654	1/1	0.85	0.28	99,99,99,99	0
54	MG	BA	3626	1/1	0.85	0.20	87,87,87,87	0
54	MG	BA	3528	1/1	0.85	0.20	74,74,74,74	0
54	MG	BA	3529	1/1	0.85	0.24	87,87,87,87	0
54	MG	DA	3287	1/1	0.85	0.18	102,102,102,102	0
54	MG	BA	3326	1/1	0.85	0.31	89,89,89,89	0
54	MG	BA	3385	1/1	0.85	0.36	79,79,79,79	0
54	MG	BA	3388	1/1	0.85	0.49	82,82,82,82	0
54	MG	DA	3299	1/1	0.85	0.29	99,99,99,99	0
54	MG	BA	3181	1/1	0.85	0.32	64,64,64,64	0
54	MG	AA	1810	1/1	0.85	0.26	89,89,89,89	0
54	MG	BB	215	1/1	0.85	0.15	110,110,110,110	0
54	MG	BA	3540	1/1	0.85	0.20	78,78,78,78	0
54	MG	DA	3515	1/1	0.85	0.29	101,101,101,101	0
54	MG	DA	3314	1/1	0.85	0.25	91,91,91,91	0
54	MG	DA	3095	1/1	0.85	0.15	88,88,88,88	0
54	MG	CA	1704	1/1	0.85	0.32	99,99,99,99	0
54	MG	DB	202	1/1	0.85	0.18	116,116,116,116	0
54	MG	BA	3263	1/1	0.85	0.19	73,73,73,73	0
54	MG	AA	1678	1/1	0.85	0.27	87,87,87,87	0
54	MG	B8	102	1/1	0.85	0.57	107,107,107,107	0
54	MG	DB	209	1/1	0.85	0.14	97,97,97,97	0
54	MG	DA	3129	1/1	0.85	0.24	79,79,79,79	0
54	MG	DA	3330	1/1	0.85	0.38	95,95,95,95	0
54	MG	DA	3333	1/1	0.85	0.38	90,90,90,90	0
54	MG	BA	3087	1/1	0.85	0.21	72,72,72,72	0
54	MG	DB	215	1/1	0.85	0.11	120,120,120,120	0
54	MG	AA	1733	1/1	0.85	0.15	88,88,88,88	0
54	MG	DA	3356	1/1	0.85	0.12	84,84,84,84	0
54	MG	DA	3139	1/1	0.85	0.20	63,63,63,63	0
54	MG	DA	3142	1/1	0.85	0.28	83,83,83,83	0
54	MG	CA	1754	1/1	0.86	0.38	108,108,108,108	0
54	MG	DA	3039	1/1	0.86	0.35	80,80,80,80	0
54	MG	CA	1630	1/1	0.86	0.11	91,91,91,91	0
54	MG	DA	3244	1/1	0.86	0.51	89,89,89,89	0
54	MG	CA	1635	1/1	0.86	0.11	93,93,93,93	0
54	MG	DA	3045	1/1	0.86	0.30	93,93,93,93	0
54	MG	CA	1636	1/1	0.86	0.27	100,100,100,100	0
54	MG	AA	1761	1/1	0.86	0.16	94,94,94,94	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
54	MG	DA	3053	1/1	0.86	0.30	70,70,70,70	0
54	MG	BA	3441	1/1	0.86	0.23	95,95,95,95	0
54	MG	AA	1698	1/1	0.86	0.21	85,85,85,85	0
54	MG	AA	1605	1/1	0.86	0.07	103,103,103,103	0
54	MG	DA	3423	1/1	0.86	0.14	83,83,83,83	0
54	MG	CA	1770	1/1	0.86	0.14	65,65,65,65	0
54	MG	BA	3359	1/1	0.86	0.24	83,83,83,83	0
54	MG	AA	1642	1/1	0.86	0.27	88,88,88,88	0
54	MG	AA	1824	1/1	0.86	0.29	93,93,93,93	0
54	MG	DA	3283	1/1	0.86	0.16	69,69,69,69	0
54	MG	DA	3078	1/1	0.86	0.20	65,65,65,65	0
54	MG	CA	1664	1/1	0.86	0.22	169,169,169,169	0
54	MG	BB	205	1/1	0.86	0.36	91,91,91,91	0
54	MG	BA	3460	1/1	0.86	0.08	189,189,189,189	0
54	MG	BA	3062	1/1	0.86	0.25	106,106,106,106	0
54	MG	DA	3300	1/1	0.86	0.26	83,83,83,83	0
54	MG	BA	3315	1/1	0.86	0.30	83,83,83,83	0
54	MG	AA	1686	1/1	0.86	0.27	88,88,88,88	0
54	MG	AA	1799	1/1	0.86	0.45	111,111,111,111	0
54	MG	BA	3076	1/1	0.86	0.41	86,86,86,86	0
54	MG	BA	3545	1/1	0.86	0.19	76,76,76,76	0
54	MG	BF	302	1/1	0.86	0.19	71,71,71,71	0
54	MG	DA	3319	1/1	0.86	0.09	97,97,97,97	0
54	MG	CL	201	1/1	0.86	0.32	104,104,104,104	0
54	MG	AA	1710	1/1	0.86	0.12	118,118,118,118	0
54	MG	DA	3490	1/1	0.86	0.06	77,77,77,77	0
54	MG	B3	101	1/1	0.86	0.46	84,84,84,84	0
54	MG	BA	3488	1/1	0.86	0.37	94,94,94,94	0
54	MG	BA	3088	1/1	0.86	0.30	84,84,84,84	0
54	MG	AA	1774	1/1	0.86	0.27	79,79,79,79	0
54	MG	BA	3377	1/1	0.86	0.17	81,81,81,81	0
54	MG	DA	3511	1/1	0.86	0.31	77,77,77,77	0
54	MG	BA	3496	1/1	0.86	0.31	97,97,97,97	0
54	MG	BA	3498	1/1	0.86	0.27	94,94,94,94	0
54	MG	AA	1643	1/1	0.86	0.17	91,91,91,91	0
54	MG	BA	3500	1/1	0.86	0.17	92,92,92,92	0
54	MG	DB	201	1/1	0.86	0.35	90,90,90,90	0
54	MG	BA	3589	1/1	0.86	0.28	66,66,66,66	0
54	MG	CA	1728	1/1	0.86	0.29	76,76,76,76	0
54	MG	DA	3366	1/1	0.86	0.30	78,78,78,78	0
54	MG	BA	3284	1/1	0.86	0.23	76,76,76,76	0
54	MG	DA	3373	1/1	0.86	0.30	107,107,107,107	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
54	MG	BA	3506	1/1	0.86	0.33	74,74,74,74	0
54	MG	BA	3286	1/1	0.86	0.41	73,73,73,73	0
54	MG	AA	1757	1/1	0.86	0.14	102,102,102,102	0
54	MG	CA	1748	1/1	0.86	0.13	110,110,110,110	0
54	MG	BA	3513	1/1	0.86	0.30	78,78,78,78	0
54	MG	AA	1724	1/1	0.86	0.58	126,126,126,126	0
54	MG	AA	1713	1/1	0.86	0.42	82,82,82,82	0
54	MG	BA	3161	1/1	0.86	0.35	70,70,70,70	0
54	MG	DA	3222	1/1	0.86	0.52	82,82,82,82	0
54	MG	DA	3331	1/1	0.87	0.28	79,79,79,79	0
54	MG	BA	3570	1/1	0.87	0.13	65,65,65,65	0
54	MG	DA	3337	1/1	0.87	0.45	80,80,80,80	0
54	MG	DA	3341	1/1	0.87	0.30	68,68,68,68	0
54	MG	DA	3345	1/1	0.87	0.16	91,91,91,91	0
54	MG	DA	3127	1/1	0.87	0.08	91,91,91,91	0
54	MG	CA	1737	1/1	0.87	0.16	93,93,93,93	0
54	MG	AA	1721	1/1	0.87	0.35	95,95,95,95	0
54	MG	DA	3272	1/1	0.87	0.17	65,65,65,65	0
54	MG	DA	3451	1/1	0.87	0.32	81,81,81,81	0
54	MG	BA	3474	1/1	0.87	0.14	86,86,86,86	0
54	MG	BA	3412	1/1	0.87	0.43	78,78,78,78	0
54	MG	DA	3364	1/1	0.87	0.11	102,102,102,102	0
54	MG	BA	3413	1/1	0.87	0.32	87,87,87,87	0
54	MG	BA	3439	1/1	0.87	0.40	70,70,70,70	0
54	MG	DA	3044	1/1	0.87	0.14	78,78,78,78	0
54	MG	CG	302	1/1	0.87	0.09	114,114,114,114	0
54	MG	DA	3485	1/1	0.87	0.29	77,77,77,77	0
54	MG	BA	3030	1/1	0.87	0.35	70,70,70,70	0
54	MG	CA	1623	1/1	0.87	0.07	142,142,142,142	0
54	MG	BA	3386	1/1	0.87	0.20	76,76,76,76	0
54	MG	BA	3494	1/1	0.87	0.24	72,72,72,72	0
54	MG	DA	3495	1/1	0.87	0.16	125,125,125,125	0
54	MG	AA	1738	1/1	0.87	0.41	120,120,120,120	0
54	MG	DA	3292	1/1	0.87	0.31	78,78,78,78	0
54	MG	DA	3293	1/1	0.87	0.36	72,72,72,72	0
54	MG	CA	1761	1/1	0.87	0.18	103,103,103,103	0
54	MG	CA	1762	1/1	0.87	0.14	83,83,83,83	0
54	MG	DA	3516	1/1	0.87	0.28	76,76,76,76	0
54	MG	DA	3004	1/1	0.87	0.43	105,105,105,105	0
54	MG	CA	1705	1/1	0.87	0.11	135,135,135,135	0
54	MG	BA	3444	1/1	0.87	0.30	81,81,81,81	0
54	MG	DA	3522	1/1	0.87	0.23	81,81,81,81	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
54	MG	DA	3401	1/1	0.87	0.30	93,93,93,93	0
54	MG	DA	3306	1/1	0.87	0.14	88,88,88,88	0
54	MG	BA	3051	1/1	0.87	0.35	74,74,74,74	0
54	MG	BA	3250	1/1	0.87	0.26	61,61,61,61	0
54	MG	B3	102	1/1	0.87	0.17	80,80,80,80	0
54	MG	AA	1753	1/1	0.87	0.17	97,97,97,97	0
54	MG	DA	3221	1/1	0.87	0.32	74,74,74,74	0
54	MG	AA	1685	1/1	0.87	0.27	73,73,73,73	0
54	MG	BA	3320	1/1	0.87	0.45	82,82,82,82	0
54	MG	DA	3422	1/1	0.87	0.12	83,83,83,83	0
54	MG	BA	3124	1/1	0.87	0.34	85,85,85,85	0
54	MG	BA	3324	1/1	0.87	0.28	70,70,70,70	0
54	MG	DA	3426	1/1	0.87	0.18	95,95,95,95	0
54	MG	AA	1627	1/1	0.87	0.46	76,76,76,76	0
54	MG	AA	1822	1/1	0.87	0.17	101,101,101,101	0
54	MG	AA	1695	1/1	0.88	0.13	76,76,76,76	0
54	MG	BA	3079	1/1	0.88	0.26	103,103,103,103	0
54	MG	BA	3368	1/1	0.88	0.18	98,98,98,98	0
54	MG	DA	3332	1/1	0.88	0.20	94,94,94,94	0
54	MG	DA	3435	1/1	0.88	0.09	134,134,134,134	0
54	MG	DA	3436	1/1	0.88	0.32	92,92,92,92	0
54	MG	BA	3466	1/1	0.88	0.16	81,81,81,81	0
54	MG	AA	1620	1/1	0.88	0.07	140,140,140,140	0
54	MG	CA	1722	1/1	0.88	0.33	104,104,104,104	0
54	MG	AA	1802	1/1	0.88	0.08	100,100,100,100	0
54	MG	DA	3075	1/1	0.88	0.28	93,93,93,93	0
54	MG	DA	3350	1/1	0.88	0.37	85,85,85,85	0
54	MG	BA	3329	1/1	0.88	0.44	62,62,62,62	0
54	MG	BA	3166	1/1	0.88	0.26	72,72,72,72	0
54	MG	CS	101	1/1	0.88	0.19	95,95,95,95	0
54	MG	CA	1631	1/1	0.88	0.11	102,102,102,102	0
54	MG	BA	3229	1/1	0.88	0.39	64,64,64,64	0
54	MG	AA	1807	1/1	0.88	0.46	79,79,79,79	0
54	MG	BA	3170	1/1	0.88	0.19	57,57,57,57	0
54	MG	CA	1745	1/1	0.88	0.30	102,102,102,102	0
54	MG	BA	3232	1/1	0.88	0.21	95,95,95,95	0
54	MG	DA	3466	1/1	0.88	0.15	123,123,123,123	0
54	MG	BA	3548	1/1	0.88	0.36	76,76,76,76	0
54	MG	BA	3343	1/1	0.88	0.42	73,73,73,73	0
54	MG	AA	1624	1/1	0.88	0.14	92,92,92,92	0
54	MG	DA	3380	1/1	0.88	0.17	90,90,90,90	0
54	MG	BA	3054	1/1	0.88	0.29	100,100,100,100	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
54	MG	BA	3058	1/1	0.88	0.25	68,68,68,68	0
54	MG	BA	3093	1/1	0.88	0.14	72,72,72,72	0
54	MG	BA	3352	1/1	0.88	0.27	112,112,112,112	0
54	MG	CA	1757	1/1	0.88	0.10	100,100,100,100	0
54	MG	AA	1796	1/1	0.88	0.41	76,76,76,76	0
54	MG	B7	101	1/1	0.88	0.38	69,69,69,69	0
54	MG	BA	3507	1/1	0.88	0.28	79,79,79,79	0
54	MG	CA	1764	1/1	0.88	0.21	89,89,89,89	0
54	MG	BA	3197	1/1	0.88	0.28	89,89,89,89	0
54	MG	DA	3400	1/1	0.88	0.20	95,95,95,95	0
54	MG	DA	3521	1/1	0.88	0.40	104,104,104,104	0
54	MG	BA	3358	1/1	0.88	0.33	82,82,82,82	0
54	MG	CA	1694	1/1	0.88	0.14	91,91,91,91	0
54	MG	BA	3205	1/1	0.88	0.28	51,51,51,51	0
54	MG	DA	3308	1/1	0.88	0.24	78,78,78,78	0
54	MG	BA	3065	1/1	0.88	0.46	68,68,68,68	0
54	MG	BA	3452	1/1	0.88	0.28	108,108,108,108	0
54	MG	DA	3414	1/1	0.88	0.23	92,92,92,92	0
54	MG	AA	1719	1/1	0.88	0.20	98,98,98,98	0
54	MG	DA	3417	1/1	0.88	0.25	81,81,81,81	0
54	MG	CA	1702	1/1	0.88	0.23	84,84,84,84	0
54	MG	DA	3178	1/1	0.88	0.38	70,70,70,70	0
54	MG	BA	3601	1/1	0.88	0.16	83,83,83,83	0
54	MG	BA	3319	1/1	0.88	0.25	82,82,82,82	0
54	MG	BA	3458	1/1	0.88	0.47	78,78,78,78	0
54	MG	DA	3425	1/1	0.88	0.15	82,82,82,82	0
54	MG	AA	1745	1/1	0.88	0.40	78,78,78,78	0
54	MG	DA	3242	1/1	0.89	0.44	66,66,66,66	0
54	MG	DA	3243	1/1	0.89	0.30	71,71,71,71	0
54	MG	BA	3024	1/1	0.89	0.35	56,56,56,56	0
54	MG	BA	3325	1/1	0.89	0.14	79,79,79,79	0
54	MG	BA	3616	1/1	0.89	0.22	73,73,73,73	0
54	MG	BA	3204	1/1	0.89	0.38	106,106,106,106	0
54	MG	BA	3437	1/1	0.89	0.20	81,81,81,81	0
54	MG	DA	3266	1/1	0.89	0.15	87,87,87,87	0
54	MG	DA	3268	1/1	0.89	0.36	76,76,76,76	0
54	MG	BA	3138	1/1	0.89	0.32	65,65,65,65	0
54	MG	BA	3378	1/1	0.89	0.42	80,80,80,80	0
54	MG	DA	3047	1/1	0.89	0.14	91,91,91,91	0
54	MG	CA	1643	1/1	0.89	0.24	86,86,86,86	0
54	MG	CA	1648	1/1	0.89	0.24	88,88,88,88	0
54	MG	BA	3328	1/1	0.89	0.33	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	AA	1672	1/1	0.89	0.46	86,86,86,86	0
54	MG	BA	3330	1/1	0.89	0.49	91,91,91,91	0
54	MG	BA	3331	1/1	0.89	0.19	88,88,88,88	0
54	MG	DA	3066	1/1	0.89	0.17	80,80,80,80	0
54	MG	DA	3286	1/1	0.89	0.20	63,63,63,63	0
54	MG	BA	3213	1/1	0.89	0.15	61,61,61,61	0
54	MG	BA	3389	1/1	0.89	0.26	74,74,74,74	0
54	MG	DA	3430	1/1	0.89	0.20	110,110,110,110	0
54	MG	AA	1739	1/1	0.89	0.12	191,191,191,191	0
54	MG	CA	1774	1/1	0.89	0.15	105,105,105,105	0
54	MG	CA	1775	1/1	0.89	0.14	84,84,84,84	0
54	MG	CA	1777	1/1	0.89	0.15	78,78,78,78	0
54	MG	DA	3437	1/1	0.89	0.32	101,101,101,101	0
54	MG	DA	3081	1/1	0.89	0.21	91,91,91,91	0
54	MG	BA	3219	1/1	0.89	0.21	82,82,82,82	0
54	MG	BA	3045	1/1	0.89	0.16	64,64,64,64	0
54	MG	BA	3049	1/1	0.89	0.20	59,59,59,59	0
54	MG	CA	1692	1/1	0.89	0.29	93,93,93,93	0
54	MG	BA	3536	1/1	0.89	0.29	74,74,74,74	0
54	MG	DA	3093	1/1	0.89	0.28	88,88,88,88	0
54	MG	AA	1669	1/1	0.89	0.38	76,76,76,76	0
54	MG	DA	3453	1/1	0.89	0.45	92,92,92,92	0
54	MG	BE	304	1/1	0.89	0.10	90,90,90,90	0
54	MG	DA	3101	1/1	0.89	0.32	100,100,100,100	0
54	MG	DA	3318	1/1	0.89	0.33	88,88,88,88	0
54	MG	BA	3539	1/1	0.89	0.32	59,59,59,59	0
54	MG	DA	3323	1/1	0.89	0.16	84,84,84,84	0
54	MG	CA	1699	1/1	0.89	0.36	80,80,80,80	0
54	MG	CA	1700	1/1	0.89	0.10	133,133,133,133	0
54	MG	DA	3463	1/1	0.89	0.31	75,75,75,75	0
54	MG	BA	3052	1/1	0.89	0.55	81,81,81,81	0
54	MG	DA	3477	1/1	0.89	0.14	67,67,67,67	0
54	MG	BA	3463	1/1	0.89	0.31	84,84,84,84	0
54	MG	CA	1703	1/1	0.89	0.44	85,85,85,85	0
54	MG	BA	3095	1/1	0.89	0.46	57,57,57,57	0
54	MG	AA	1645	1/1	0.89	0.29	81,81,81,81	0
54	MG	B7	102	1/1	0.89	0.29	78,78,78,78	0
54	MG	BA	3405	1/1	0.89	0.48	72,72,72,72	0
54	MG	BA	3406	1/1	0.89	0.19	88,88,88,88	0
54	MG	DA	3497	1/1	0.89	0.30	86,86,86,86	0
54	MG	DA	3498	1/1	0.89	0.11	71,71,71,71	0
54	MG	BA	3297	1/1	0.89	0.33	86,86,86,86	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
54	MG	BA	3350	1/1	0.89	0.47	72,72,72,72	0
54	MG	DA	3502	1/1	0.89	0.16	67,67,67,67	0
54	MG	AA	1804	1/1	0.89	0.41	81,81,81,81	0
54	MG	DA	3349	1/1	0.89	0.23	78,78,78,78	0
54	MG	DA	3003	1/1	0.89	0.08	77,77,77,77	0
54	MG	AN	201	1/1	0.89	0.09	91,91,91,91	0
54	MG	DA	3158	1/1	0.89	0.34	71,71,71,71	0
54	MG	BA	3578	1/1	0.89	0.26	73,73,73,73	0
54	MG	AA	1819	1/1	0.89	0.17	92,92,92,92	0
54	MG	DA	3166	1/1	0.89	0.17	91,91,91,91	0
54	MG	BA	3306	1/1	0.89	0.51	94,94,94,94	0
54	MG	CA	1726	1/1	0.89	0.30	82,82,82,82	0
54	MG	DA	3171	1/1	0.89	0.38	64,64,64,64	0
54	MG	DA	3016	1/1	0.89	0.17	74,74,74,74	0
54	MG	BA	3307	1/1	0.89	0.30	75,75,75,75	0
54	MG	BA	3169	1/1	0.89	0.14	65,65,65,65	0
54	MG	AC	102	1/1	0.89	0.38	102,102,102,102	0
54	MG	BA	3171	1/1	0.89	0.52	92,92,92,92	0
54	MG	AA	1794	1/1	0.89	0.48	93,93,93,93	0
54	MG	AA	1696	1/1	0.89	0.16	80,80,80,80	0
54	MG	BA	3598	1/1	0.89	0.20	75,75,75,75	0
54	MG	AA	1697	1/1	0.89	0.18	90,90,90,90	0
54	MG	BA	3085	1/1	0.89	0.27	75,75,75,75	0
54	MG	DA	3032	1/1	0.89	0.20	79,79,79,79	0
54	MG	D5	101	1/1	0.89	0.13	63,63,63,63	0
54	MG	AA	1798	1/1	0.89	0.40	93,93,93,93	0
54	MG	AA	1795	1/1	0.90	0.33	86,86,86,86	0
54	MG	BA	3117	1/1	0.90	0.38	57,57,57,57	0
54	MG	BA	3581	1/1	0.90	0.16	59,59,59,59	0
54	MG	BA	3346	1/1	0.90	0.17	74,74,74,74	0
54	MG	DA	3088	1/1	0.90	0.29	110,110,110,110	0
54	MG	BA	3504	1/1	0.90	0.10	90,90,90,90	0
54	MG	AH	201	1/1	0.90	0.20	91,91,91,91	0
54	MG	BA	3253	1/1	0.90	0.31	82,82,82,82	0
54	MG	BA	3590	1/1	0.90	0.16	83,83,83,83	0
54	MG	CC	101	1/1	0.90	0.10	110,110,110,110	0
54	MG	DA	3104	1/1	0.90	0.14	71,71,71,71	0
54	MG	BA	3508	1/1	0.90	0.19	83,83,83,83	0
54	MG	DA	3427	1/1	0.90	0.24	74,74,74,74	0
54	MG	BA	3309	1/1	0.90	0.38	69,69,69,69	0
54	MG	CC	106	1/1	0.90	0.13	98,98,98,98	0
54	MG	DA	3125	1/1	0.90	0.30	71,71,71,71	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
54	MG	AA	1805	1/1	0.90	0.41	91,91,91,91	0
54	MG	BA	3218	1/1	0.90	0.25	90,90,90,90	0
54	MG	BA	3264	1/1	0.90	0.31	78,78,78,78	0
54	MG	BA	3600	1/1	0.90	0.25	65,65,65,65	0
54	MG	DA	3310	1/1	0.90	0.35	85,85,85,85	0
54	MG	BA	3403	1/1	0.90	0.33	103,103,103,103	0
54	MG	BA	3356	1/1	0.90	0.56	81,81,81,81	0
54	MG	CA	1625	1/1	0.90	0.12	115,115,115,115	0
54	MG	AA	1613	1/1	0.90	0.34	97,97,97,97	0
54	MG	BA	3271	1/1	0.90	0.14	98,98,98,98	0
54	MG	CA	1741	1/1	0.90	0.14	114,114,114,114	0
54	MG	AA	1741	1/1	0.90	0.13	99,99,99,99	0
54	MG	BA	3274	1/1	0.90	0.24	81,81,81,81	0
54	MG	BA	3527	1/1	0.90	0.21	78,78,78,78	0
54	MG	BA	3275	1/1	0.90	0.33	90,90,90,90	0
54	MG	DA	3456	1/1	0.90	0.10	105,105,105,105	0
54	MG	AA	1726	1/1	0.90	0.17	95,95,95,95	0
54	MG	BA	3134	1/1	0.90	0.30	66,66,66,66	0
54	MG	BA	3625	1/1	0.90	0.19	113,113,113,113	0
54	MG	BA	3224	1/1	0.90	0.46	76,76,76,76	0
54	MG	AA	1827	1/1	0.90	0.12	112,112,112,112	0
54	MG	DA	3335	1/1	0.90	0.26	91,91,91,91	0
54	MG	BA	3174	1/1	0.90	0.27	63,63,63,63	0
54	MG	CA	1649	1/1	0.90	0.29	88,88,88,88	0
54	MG	DA	3182	1/1	0.90	0.33	74,74,74,74	0
54	MG	DA	3483	1/1	0.90	0.32	79,79,79,79	0
54	MG	DA	3347	1/1	0.90	0.11	79,79,79,79	0
54	MG	CA	1652	1/1	0.90	0.31	106,106,106,106	0
54	MG	AC	108	1/1	0.90	0.17	95,95,95,95	0
54	MG	BA	3470	1/1	0.90	0.26	90,90,90,90	0
54	MG	DA	3190	1/1	0.90	0.31	67,67,67,67	0
54	MG	DA	3494	1/1	0.90	0.30	72,72,72,72	0
54	MG	BB	208	1/1	0.90	0.17	89,89,89,89	0
54	MG	BB	209	1/1	0.90	0.24	112,112,112,112	0
54	MG	DA	3041	1/1	0.90	0.11	82,82,82,82	0
54	MG	DA	3216	1/1	0.90	0.14	78,78,78,78	0
54	MG	DA	3217	1/1	0.90	0.35	89,89,89,89	0
54	MG	AA	1667	1/1	0.90	0.52	82,82,82,82	0
54	MG	DA	3367	1/1	0.90	0.34	89,89,89,89	0
54	MG	DA	3369	1/1	0.90	0.28	91,91,91,91	0
54	MG	DA	3513	1/1	0.90	0.34	81,81,81,81	0
54	MG	BA	3479	1/1	0.90	0.34	80,80,80,80	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
54	MG	BA	3147	1/1	0.90	0.34	73,73,73,73	0
54	MG	DA	3227	1/1	0.90	0.16	67,67,67,67	0
54	MG	BA	3487	1/1	0.90	0.17	72,72,72,72	0
54	MG	BA	3546	1/1	0.90	0.15	98,98,98,98	0
54	MG	CA	1772	1/1	0.90	0.13	128,128,128,128	0
54	MG	AA	1608	1/1	0.90	0.35	91,91,91,91	0
54	MG	DA	3523	1/1	0.90	0.18	90,90,90,90	0
54	MG	BA	3195	1/1	0.90	0.20	43,43,43,43	0
54	MG	BA	3338	1/1	0.90	0.22	77,77,77,77	0
54	MG	DB	203	1/1	0.90	0.27	81,81,81,81	0
54	MG	BO	201	1/1	0.90	0.19	79,79,79,79	0
54	MG	B1	201	1/1	0.90	0.30	68,68,68,68	0
54	MG	CA	1780	1/1	0.90	0.26	74,74,74,74	0
54	MG	DA	3261	1/1	0.90	0.38	97,97,97,97	0
54	MG	DA	3265	1/1	0.90	0.18	91,91,91,91	0
54	MG	BA	3552	1/1	0.90	0.07	79,79,79,79	0
54	MG	DA	3394	1/1	0.90	0.20	75,75,75,75	0
54	MG	DA	3398	1/1	0.90	0.19	84,84,84,84	0
54	MG	AA	1630	1/1	0.90	0.23	88,88,88,88	0
54	MG	DA	3074	1/1	0.90	0.44	102,102,102,102	0
54	MG	AA	1655	1/1	0.90	0.43	97,97,97,97	0
54	MG	DR	201	1/1	0.90	0.35	82,82,82,82	0
54	MG	CA	1786	1/1	0.90	0.25	83,83,83,83	0
54	MG	DU	201	1/1	0.90	0.24	89,89,89,89	0
54	MG	AA	1803	1/1	0.90	0.36	75,75,75,75	0
55	T1C	AA	1837	42/42	0.90	0.15	81,103,111,117	0
55	T1C	CA	1800	42/42	0.90	0.15	101,116,124,127	0
54	MG	BA	3434	1/1	0.90	0.15	86,86,86,86	0
54	MG	CA	1686	1/1	0.91	0.17	96,96,96,96	0
54	MG	CA	1687	1/1	0.91	0.19	84,84,84,84	0
54	MG	BB	216	1/1	0.91	0.07	111,111,111,111	0
54	MG	BA	3168	1/1	0.91	0.35	85,85,85,85	0
54	MG	BA	3485	1/1	0.91	0.20	79,79,79,79	0
54	MG	BA	3371	1/1	0.91	0.26	77,77,77,77	0
54	MG	BA	3283	1/1	0.91	0.34	78,78,78,78	0
54	MG	BA	3122	1/1	0.91	0.38	98,98,98,98	0
54	MG	AA	1701	1/1	0.91	0.13	96,96,96,96	0
54	MG	CA	1788	1/1	0.91	0.22	91,91,91,91	0
54	MG	BA	3492	1/1	0.91	0.17	87,87,87,87	0
54	MG	BA	3034	1/1	0.91	0.38	78,78,78,78	0
54	MG	BA	3333	1/1	0.91	0.17	83,83,83,83	0
54	MG	BA	3495	1/1	0.91	0.12	80,80,80,80	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
54	MG	AA	1702	1/1	0.91	0.24	80,80,80,80	0
54	MG	BA	3431	1/1	0.91	0.11	88,88,88,88	0
54	MG	CA	1706	1/1	0.91	0.21	90,90,90,90	0
54	MG	BA	3335	1/1	0.91	0.27	75,75,75,75	0
54	MG	BA	3433	1/1	0.91	0.12	94,94,94,94	0
54	MG	BA	3177	1/1	0.91	0.20	87,87,87,87	0
54	MG	DA	3121	1/1	0.91	0.33	109,109,109,109	0
54	MG	DA	3122	1/1	0.91	0.31	84,84,84,84	0
54	MG	CA	1711	1/1	0.91	0.21	100,100,100,100	0
54	MG	BA	3382	1/1	0.91	0.47	89,89,89,89	0
54	MG	CA	1714	1/1	0.91	0.12	161,161,161,161	0
54	MG	BA	3592	1/1	0.91	0.24	73,73,73,73	0
54	MG	DA	3448	1/1	0.91	0.41	89,89,89,89	0
54	MG	DA	3136	1/1	0.91	0.24	63,63,63,63	0
54	MG	BA	3384	1/1	0.91	0.26	73,73,73,73	0
54	MG	AA	1622	1/1	0.91	0.40	70,70,70,70	0
54	MG	DA	3454	1/1	0.91	0.29	90,90,90,90	0
54	MG	CA	1721	1/1	0.91	0.27	74,74,74,74	0
54	MG	BA	3340	1/1	0.91	0.27	84,84,84,84	0
54	MG	DA	3145	1/1	0.91	0.19	86,86,86,86	0
54	MG	DA	3148	1/1	0.91	0.17	86,86,86,86	0
54	MG	AA	1682	1/1	0.91	0.29	103,103,103,103	0
54	MG	BA	3182	1/1	0.91	0.41	81,81,81,81	0
54	MG	BA	3136	1/1	0.91	0.21	60,60,60,60	0
54	MG	DA	3152	1/1	0.91	0.14	86,86,86,86	0
54	MG	AQ	101	1/1	0.91	0.29	94,94,94,94	0
54	MG	DA	3008	1/1	0.91	0.20	77,77,77,77	0
54	MG	BA	3446	1/1	0.91	0.47	94,94,94,94	0
54	MG	BA	3192	1/1	0.91	0.26	100,100,100,100	0
54	MG	CA	1736	1/1	0.91	0.10	90,90,90,90	0
54	MG	DA	3486	1/1	0.91	0.15	78,78,78,78	0
54	MG	DA	3487	1/1	0.91	0.15	95,95,95,95	0
54	MG	BA	3609	1/1	0.91	0.27	80,80,80,80	0
54	MG	DA	3489	1/1	0.91	0.15	79,79,79,79	0
54	MG	AA	1665	1/1	0.91	0.41	82,82,82,82	0
54	MG	BA	3615	1/1	0.91	0.12	83,83,83,83	0
54	MG	BA	3451	1/1	0.91	0.45	93,93,93,93	0
54	MG	BA	3617	1/1	0.91	0.20	83,83,83,83	0
54	MG	DA	3177	1/1	0.91	0.34	65,65,65,65	0
54	MG	DA	3352	1/1	0.91	0.14	71,71,71,71	0
54	MG	AC	103	1/1	0.91	0.34	83,83,83,83	0
54	MG	AA	1813	1/1	0.91	0.25	88,88,88,88	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
54	MG	BA	3203	1/1	0.91	0.45	75,75,75,75	0
54	MG	BA	3312	1/1	0.91	0.49	84,84,84,84	0
54	MG	DA	3034	1/1	0.91	0.12	82,82,82,82	0
54	MG	DA	3507	1/1	0.91	0.15	117,117,117,117	0
54	MG	BA	3060	1/1	0.91	0.22	92,92,92,92	0
54	MG	DA	3365	1/1	0.91	0.25	73,73,73,73	0
54	MG	BA	3258	1/1	0.91	0.40	74,74,74,74	0
54	MG	DA	3193	1/1	0.91	0.17	76,76,76,76	0
54	MG	DA	3368	1/1	0.91	0.24	82,82,82,82	0
54	MG	DA	3194	1/1	0.91	0.43	54,54,54,54	0
54	MG	AA	1652	1/1	0.91	0.40	93,93,93,93	0
54	MG	DA	3203	1/1	0.91	0.31	73,73,73,73	0
54	MG	DA	3213	1/1	0.91	0.21	64,64,64,64	0
54	MG	CA	1644	1/1	0.91	0.27	85,85,85,85	0
54	MG	CA	1758	1/1	0.91	0.21	94,94,94,94	0
54	MG	CA	1647	1/1	0.91	0.18	84,84,84,84	0
54	MG	AA	1831	1/1	0.91	0.31	91,91,91,91	0
54	MG	BA	3207	1/1	0.91	0.33	78,78,78,78	0
54	MG	BB	203	1/1	0.91	0.36	70,70,70,70	0
54	MG	DA	3046	1/1	0.91	0.22	78,78,78,78	0
54	MG	BA	3535	1/1	0.91	0.19	79,79,79,79	0
54	MG	CA	1655	1/1	0.91	0.34	93,93,93,93	0
54	MG	AA	1712	1/1	0.91	0.36	94,94,94,94	0
54	MG	BA	3071	1/1	0.91	0.24	90,90,90,90	0
54	MG	AA	1780	1/1	0.91	0.28	90,90,90,90	0
54	MG	DA	3393	1/1	0.91	0.31	92,92,92,92	0
54	MG	DE	301	1/1	0.91	0.20	67,67,67,67	0
54	MG	DA	3246	1/1	0.91	0.28	89,89,89,89	0
54	MG	DA	3057	1/1	0.91	0.31	70,70,70,70	0
54	MG	DP	201	1/1	0.91	0.10	76,76,76,76	0
54	MG	BA	3074	1/1	0.91	0.16	76,76,76,76	0
54	MG	BA	3473	1/1	0.91	0.48	84,84,84,84	0
54	MG	BA	3544	1/1	0.91	0.17	83,83,83,83	0
54	MG	DU	202	1/1	0.91	0.10	96,96,96,96	0
54	MG	D3	101	1/1	0.91	0.34	78,78,78,78	0
54	MG	BA	3006	1/1	0.91	0.35	56,56,56,56	0
54	MG	DA	3068	1/1	0.91	0.34	86,86,86,86	0
54	MG	DA	3070	1/1	0.91	0.29	68,68,68,68	0
54	MG	AA	1763	1/1	0.91	0.41	89,89,89,89	0
54	MG	DA	3419	1/1	0.92	0.15	97,97,97,97	0
54	MG	BA	3311	1/1	0.92	0.21	73,73,73,73	0
54	MG	BA	3605	1/1	0.92	0.29	72,72,72,72	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
54	MG	BA	3608	1/1	0.92	0.15	89,89,89,89	0
54	MG	BA	3046	1/1	0.92	0.28	60,60,60,60	0
54	MG	CA	1723	1/1	0.92	0.41	82,82,82,82	0
54	MG	BA	3471	1/1	0.92	0.40	78,78,78,78	0
54	MG	BA	3106	1/1	0.92	0.51	73,73,73,73	0
54	MG	BA	3272	1/1	0.92	0.19	53,53,53,53	0
54	MG	BA	3475	1/1	0.92	0.13	79,79,79,79	0
54	MG	DA	3131	1/1	0.92	0.21	77,77,77,77	0
54	MG	DA	3431	1/1	0.92	0.09	81,81,81,81	0
54	MG	AA	1670	1/1	0.92	0.22	86,86,86,86	0
54	MG	BA	3317	1/1	0.92	0.26	87,87,87,87	0
54	MG	BA	3482	1/1	0.92	0.40	84,84,84,84	0
54	MG	AA	1664	1/1	0.92	0.52	81,81,81,81	0
54	MG	DA	3012	1/1	0.92	0.35	87,87,87,87	0
54	MG	DA	3143	1/1	0.92	0.10	84,84,84,84	0
54	MG	BA	3187	1/1	0.92	0.45	71,71,71,71	0
54	MG	BA	3542	1/1	0.92	0.22	77,77,77,77	0
54	MG	BA	3112	1/1	0.92	0.46	71,71,71,71	0
54	MG	DA	3312	1/1	0.92	0.28	81,81,81,81	0
54	MG	AA	1744	1/1	0.92	0.26	81,81,81,81	0
54	MG	BA	3115	1/1	0.92	0.41	74,74,74,74	0
54	MG	AA	1648	1/1	0.92	0.10	115,115,115,115	0
54	MG	BA	3055	1/1	0.92	0.37	84,84,84,84	0
54	MG	DA	3452	1/1	0.92	0.35	95,95,95,95	0
54	MG	DA	3320	1/1	0.92	0.05	105,105,105,105	0
54	MG	DA	3322	1/1	0.92	0.23	104,104,104,104	0
54	MG	BA	3398	1/1	0.92	0.30	78,78,78,78	0
54	MG	BA	3399	1/1	0.92	0.22	77,77,77,77	0
54	MG	CA	1753	1/1	0.92	0.17	105,105,105,105	0
54	MG	BA	3233	1/1	0.92	0.08	82,82,82,82	0
54	MG	DA	3031	1/1	0.92	0.20	72,72,72,72	0
54	MG	BB	210	1/1	0.92	0.38	76,76,76,76	0
54	MG	DA	3164	1/1	0.92	0.25	84,84,84,84	0
54	MG	BA	3554	1/1	0.92	0.18	94,94,94,94	0
54	MG	CA	1659	1/1	0.92	0.17	92,92,92,92	0
54	MG	DA	3465	1/1	0.92	0.30	50,50,50,50	0
54	MG	BA	3198	1/1	0.92	0.41	71,71,71,71	0
54	MG	CA	1661	1/1	0.92	0.23	88,88,88,88	0
54	MG	DA	3336	1/1	0.92	0.47	90,90,90,90	0
54	MG	DA	3484	1/1	0.92	0.19	69,69,69,69	0
54	MG	DA	3172	1/1	0.92	0.36	66,66,66,66	0
54	MG	DA	3175	1/1	0.92	0.21	71,71,71,71	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
54	MG	DA	3342	1/1	0.92	0.28	90,90,90,90	0
54	MG	BA	3565	1/1	0.92	0.36	45,45,45,45	0
54	MG	CA	1763	1/1	0.92	0.28	80,80,80,80	0
54	MG	CA	1672	1/1	0.92	0.28	79,79,79,79	0
54	MG	CA	1674	1/1	0.92	0.22	87,87,87,87	0
54	MG	DA	3043	1/1	0.92	0.31	88,88,88,88	0
54	MG	CA	1675	1/1	0.92	0.14	96,96,96,96	0
54	MG	BA	3119	1/1	0.92	0.30	84,84,84,84	0
54	MG	DA	3191	1/1	0.92	0.34	62,62,62,62	0
54	MG	BA	3568	1/1	0.92	0.23	55,55,55,55	0
54	MG	BA	3241	1/1	0.92	0.13	70,70,70,70	0
54	MG	DA	3048	1/1	0.92	0.33	61,61,61,61	0
54	MG	DA	3362	1/1	0.92	0.39	79,79,79,79	0
54	MG	BA	3243	1/1	0.92	0.38	63,63,63,63	0
54	MG	DA	3504	1/1	0.92	0.29	79,79,79,79	0
54	MG	BA	3574	1/1	0.92	0.19	60,60,60,60	0
54	MG	BF	301	1/1	0.92	0.08	76,76,76,76	0
54	MG	DA	3055	1/1	0.92	0.21	51,51,51,51	0
54	MG	BA	3448	1/1	0.92	0.24	79,79,79,79	0
54	MG	BA	3407	1/1	0.92	0.47	85,85,85,85	0
54	MG	BA	3120	1/1	0.92	0.17	76,76,76,76	0
54	MG	BA	3582	1/1	0.92	0.39	78,78,78,78	0
54	MG	DA	3065	1/1	0.92	0.38	82,82,82,82	0
54	MG	DA	3375	1/1	0.92	0.10	96,96,96,96	0
54	MG	DA	3226	1/1	0.92	0.29	75,75,75,75	0
54	MG	AA	1791	1/1	0.92	0.23	96,96,96,96	0
54	MG	DA	3231	1/1	0.92	0.17	74,74,74,74	0
54	MG	DA	3233	1/1	0.92	0.15	75,75,75,75	0
54	MG	BA	3411	1/1	0.92	0.26	80,80,80,80	0
54	MG	DB	204	1/1	0.92	0.15	87,87,87,87	0
54	MG	DB	205	1/1	0.92	0.25	84,84,84,84	0
54	MG	BA	3586	1/1	0.92	0.39	71,71,71,71	0
54	MG	BA	3059	1/1	0.92	0.25	78,78,78,78	0
54	MG	CA	1784	1/1	0.92	0.31	95,95,95,95	0
54	MG	AA	1720	1/1	0.92	0.11	113,113,113,113	0
54	MG	DB	210	1/1	0.92	0.26	95,95,95,95	0
54	MG	DA	3073	1/1	0.92	0.17	66,66,66,66	0
54	MG	BA	3514	1/1	0.92	0.27	76,76,76,76	0
54	MG	CA	1601	1/1	0.92	0.29	95,95,95,95	0
54	MG	AA	1646	1/1	0.92	0.37	105,105,105,105	0
54	MG	DA	3255	1/1	0.92	0.32	62,62,62,62	0
54	MG	CA	1789	1/1	0.92	0.14	82,82,82,82	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
54	MG	BA	3461	1/1	0.92	0.26	73,73,73,73	0
54	MG	DA	3262	1/1	0.92	0.19	95,95,95,95	0
54	MG	BA	3337	1/1	0.92	0.43	64,64,64,64	0
54	MG	AA	1815	1/1	0.92	0.41	98,98,98,98	0
54	MG	CA	1797	1/1	0.92	0.35	101,101,101,101	0
54	MG	AA	1644	1/1	0.92	0.35	68,68,68,68	0
54	MG	BA	3043	1/1	0.92	0.34	57,57,57,57	0
54	MG	BA	3524	1/1	0.92	0.26	77,77,77,77	0
54	MG	BA	3421	1/1	0.92	0.34	73,73,73,73	0
54	MG	BA	3602	1/1	0.92	0.26	71,71,71,71	0
54	MG	CA	1619	1/1	0.92	0.10	75,75,75,75	0
54	MG	AA	1716	1/1	0.92	0.28	106,106,106,106	0
54	MG	AA	1729	1/1	0.93	0.22	102,102,102,102	0
54	MG	DA	3146	1/1	0.93	0.13	86,86,86,86	0
54	MG	DA	3294	1/1	0.93	0.25	77,77,77,77	0
54	MG	DA	3147	1/1	0.93	0.26	79,79,79,79	0
54	MG	BA	3409	1/1	0.93	0.23	73,73,73,73	0
54	MG	BA	3063	1/1	0.93	0.20	67,67,67,67	0
54	MG	BA	3102	1/1	0.93	0.29	80,80,80,80	0
54	MG	DA	3303	1/1	0.93	0.07	94,94,94,94	0
54	MG	DA	3035	1/1	0.93	0.12	92,92,92,92	0
54	MG	DA	3305	1/1	0.93	0.34	78,78,78,78	0
54	MG	CA	1682	1/1	0.93	0.27	94,94,94,94	0
54	MG	AA	1769	1/1	0.93	0.27	122,122,122,122	0
54	MG	BA	3036	1/1	0.93	0.40	73,73,73,73	0
54	MG	BA	3366	1/1	0.93	0.37	65,65,65,65	0
54	MG	CA	1688	1/1	0.93	0.26	88,88,88,88	0
54	MG	DA	3438	1/1	0.93	0.25	82,82,82,82	0
54	MG	BA	3415	1/1	0.93	0.36	80,80,80,80	0
54	MG	BA	3194	1/1	0.93	0.26	64,64,64,64	0
54	MG	DA	3315	1/1	0.93	0.33	95,95,95,95	0
54	MG	CA	1693	1/1	0.93	0.50	89,89,89,89	0
54	MG	DA	3165	1/1	0.93	0.32	64,64,64,64	0
54	MG	BA	3532	1/1	0.93	0.25	82,82,82,82	0
54	MG	AA	1771	1/1	0.93	0.17	94,94,94,94	0
54	MG	DA	3321	1/1	0.93	0.31	78,78,78,78	0
54	MG	CA	1773	1/1	0.93	0.24	113,113,113,113	0
54	MG	BA	3236	1/1	0.93	0.34	74,74,74,74	0
54	MG	AA	1690	1/1	0.93	0.19	131,131,131,131	0
54	MG	BA	3373	1/1	0.93	0.24	85,85,85,85	0
54	MG	DA	3050	1/1	0.93	0.19	67,67,67,67	0
54	MG	BA	3152	1/1	0.93	0.15	80,80,80,80	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
54	MG	DA	3180	1/1	0.93	0.32	68,68,68,68	0
54	MG	BA	3044	1/1	0.93	0.28	60,60,60,60	0
54	MG	AA	1703	1/1	0.93	0.27	61,61,61,61	0
54	MG	DA	3185	1/1	0.93	0.29	77,77,77,77	0
54	MG	BA	3292	1/1	0.93	0.13	78,78,78,78	0
54	MG	BA	3294	1/1	0.93	0.37	75,75,75,75	0
54	MG	AA	1705	1/1	0.93	0.10	104,104,104,104	0
54	MG	DA	3063	1/1	0.93	0.19	95,95,95,95	0
54	MG	BA	3247	1/1	0.93	0.36	59,59,59,59	0
54	MG	DA	3467	1/1	0.93	0.27	72,72,72,72	0
54	MG	DA	3474	1/1	0.93	0.22	65,65,65,65	0
54	MG	AA	1776	1/1	0.93	0.29	102,102,102,102	0
54	MG	DA	3344	1/1	0.93	0.30	82,82,82,82	0
54	MG	BA	3383	1/1	0.93	0.25	86,86,86,86	0
54	MG	DA	3195	1/1	0.93	0.23	82,82,82,82	0
54	MG	BA	3624	1/1	0.93	0.16	98,98,98,98	0
54	MG	DA	3198	1/1	0.93	0.30	57,57,57,57	0
54	MG	CA	1710	1/1	0.93	0.18	102,102,102,102	0
54	MG	CA	1627	1/1	0.93	0.07	111,111,111,111	0
54	MG	BA	3050	1/1	0.93	0.22	79,79,79,79	0
54	MG	BA	3549	1/1	0.93	0.11	74,74,74,74	0
54	MG	BA	3628	1/1	0.93	0.33	78,78,78,78	0
54	MG	CA	1632	1/1	0.93	0.20	88,88,88,88	0
54	MG	CA	1717	1/1	0.93	0.21	86,86,86,86	0
54	MG	CA	1633	1/1	0.93	0.23	85,85,85,85	0
54	MG	CA	1720	1/1	0.93	0.24	86,86,86,86	0
54	MG	DA	3080	1/1	0.93	0.21	74,74,74,74	0
54	MG	BA	3303	1/1	0.93	0.31	69,69,69,69	0
54	MG	CN	201	1/1	0.93	0.07	95,95,95,95	0
54	MG	DA	3235	1/1	0.93	0.33	74,74,74,74	0
54	MG	DA	3083	1/1	0.93	0.34	90,90,90,90	0
54	MG	DA	3239	1/1	0.93	0.28	64,64,64,64	0
54	MG	DA	3508	1/1	0.93	0.38	65,65,65,65	0
54	MG	AA	1659	1/1	0.93	0.24	56,56,56,56	0
54	MG	DA	3241	1/1	0.93	0.32	74,74,74,74	0
54	MG	AA	1707	1/1	0.93	0.10	127,127,127,127	0
54	MG	DA	3376	1/1	0.93	0.24	62,62,62,62	0
54	MG	BA	3255	1/1	0.93	0.19	69,69,69,69	0
54	MG	DA	3518	1/1	0.93	0.35	83,83,83,83	0
54	MG	AA	1762	1/1	0.93	0.39	92,92,92,92	0
54	MG	AA	1611	1/1	0.93	0.10	118,118,118,118	0
54	MG	DA	3090	1/1	0.93	0.18	119,119,119,119	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
54	MG	BA	3310	1/1	0.93	0.20	70,70,70,70	0
54	MG	BA	3259	1/1	0.93	0.38	56,56,56,56	0
54	MG	CA	1734	1/1	0.93	0.25	78,78,78,78	0
54	MG	BA	3261	1/1	0.93	0.20	65,65,65,65	0
54	MG	BA	3351	1/1	0.93	0.20	62,62,62,62	0
54	MG	BA	3576	1/1	0.93	0.18	93,93,93,93	0
54	MG	DA	3112	1/1	0.93	0.30	58,58,58,58	0
54	MG	BA	3125	1/1	0.93	0.28	75,75,75,75	0
54	MG	BA	3129	1/1	0.93	0.27	84,84,84,84	0
54	MG	CA	1743	1/1	0.93	0.10	85,85,85,85	0
54	MG	CA	1744	1/1	0.93	0.10	70,70,70,70	0
54	MG	BA	3354	1/1	0.93	0.19	83,83,83,83	0
54	MG	BA	3512	1/1	0.93	0.15	87,87,87,87	0
54	MG	BA	3402	1/1	0.93	0.20	83,83,83,83	0
54	MG	BA	3056	1/1	0.93	0.34	109,109,109,109	0
54	MG	AA	1662	1/1	0.93	0.16	71,71,71,71	0
54	MG	DA	3408	1/1	0.93	0.17	76,76,76,76	0
54	MG	DA	3135	1/1	0.93	0.14	79,79,79,79	0
54	MG	BA	3357	1/1	0.93	0.48	77,77,77,77	0
54	MG	CA	1669	1/1	0.93	0.28	81,81,81,81	0
54	MG	DA	3412	1/1	0.93	0.20	89,89,89,89	0
54	MG	DA	3413	1/1	0.93	0.17	84,84,84,84	0
54	MG	BO	202	1/1	0.93	0.15	68,68,68,68	0
54	MG	DA	3415	1/1	0.93	0.25	92,92,92,92	0
54	MG	CA	1673	1/1	0.93	0.31	74,74,74,74	0
54	MG	DA	3288	1/1	0.93	0.28	77,77,77,77	0
54	MG	BA	3017	1/1	0.93	0.31	53,53,53,53	0
54	MG	AA	1628	1/1	0.93	0.32	96,96,96,96	0
54	MG	DA	3291	1/1	0.93	0.37	84,84,84,84	0
56	ZN	AG	302	1/1	0.93	0.29	115,115,115,115	0
54	MG	DA	3421	1/1	0.93	0.45	86,86,86,86	0
56	ZN	CQ	101	1/1	0.93	0.12	123,123,123,123	0
54	MG	BA	3235	1/1	0.94	0.35	79,79,79,79	0
54	MG	AA	1783	1/1	0.94	0.47	88,88,88,88	0
54	MG	BA	3520	1/1	0.94	0.15	86,86,86,86	0
54	MG	BA	3348	1/1	0.94	0.07	140,140,140,140	0
54	MG	AA	1821	1/1	0.94	0.21	96,96,96,96	0
54	MG	DA	3132	1/1	0.94	0.27	80,80,80,80	0
54	MG	BA	3455	1/1	0.94	0.17	74,74,74,74	0
54	MG	BA	3239	1/1	0.94	0.30	71,71,71,71	0
54	MG	BA	3401	1/1	0.94	0.12	73,73,73,73	0
54	MG	AA	1749	1/1	0.94	0.12	130,130,130,130	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
54	MG	DA	3138	1/1	0.94	0.11	121,121,121,121	0
54	MG	CA	1718	1/1	0.94	0.12	100,100,100,100	0
54	MG	BA	3186	1/1	0.94	0.38	69,69,69,69	0
54	MG	BA	3612	1/1	0.94	0.21	67,67,67,67	0
54	MG	BA	3132	1/1	0.94	0.12	65,65,65,65	0
54	MG	BA	3190	1/1	0.94	0.32	75,75,75,75	0
54	MG	CA	1628	1/1	0.94	0.06	110,110,110,110	0
54	MG	BA	3246	1/1	0.94	0.38	62,62,62,62	0
54	MG	AA	1626	1/1	0.94	0.30	84,84,84,84	0
54	MG	AC	106	1/1	0.94	0.24	104,104,104,104	0
54	MG	AA	1708	1/1	0.94	0.13	96,96,96,96	0
54	MG	AA	1650	1/1	0.94	0.36	87,87,87,87	0
54	MG	DA	3313	1/1	0.94	0.34	54,54,54,54	0
54	MG	DA	3021	1/1	0.94	0.30	63,63,63,63	0
54	MG	BA	3057	1/1	0.94	0.36	70,70,70,70	0
54	MG	BA	3538	1/1	0.94	0.12	76,76,76,76	0
54	MG	CA	1637	1/1	0.94	0.10	97,97,97,97	0
54	MG	CA	1638	1/1	0.94	0.28	100,100,100,100	0
54	MG	DA	3028	1/1	0.94	0.28	74,74,74,74	0
54	MG	BA	3146	1/1	0.94	0.29	75,75,75,75	0
54	MG	AA	1789	1/1	0.94	0.33	109,109,109,109	0
54	MG	CA	1742	1/1	0.94	0.27	90,90,90,90	0
54	MG	DA	3033	1/1	0.94	0.21	93,93,93,93	0
54	MG	BA	3363	1/1	0.94	0.21	79,79,79,79	0
54	MG	BA	3627	1/1	0.94	0.34	69,69,69,69	0
54	MG	BA	3097	1/1	0.94	0.49	69,69,69,69	0
54	MG	BA	3477	1/1	0.94	0.21	92,92,92,92	0
54	MG	CA	1645	1/1	0.94	0.35	78,78,78,78	0
54	MG	CA	1646	1/1	0.94	0.13	92,92,92,92	0
54	MG	BA	3005	1/1	0.94	0.38	59,59,59,59	0
54	MG	DA	3464	1/1	0.94	0.14	89,89,89,89	0
54	MG	BA	3631	1/1	0.94	0.24	96,96,96,96	0
54	MG	BB	201	1/1	0.94	0.27	77,77,77,77	0
54	MG	CA	1651	1/1	0.94	0.13	114,114,114,114	0
54	MG	DA	3473	1/1	0.94	0.22	70,70,70,70	0
54	MG	BA	3480	1/1	0.94	0.32	75,75,75,75	0
54	MG	DA	3339	1/1	0.94	0.10	76,76,76,76	0
54	MG	AA	1728	1/1	0.94	0.41	70,70,70,70	0
54	MG	CA	1654	1/1	0.94	0.23	107,107,107,107	0
54	MG	AA	1756	1/1	0.94	0.33	121,121,121,121	0
54	MG	CA	1759	1/1	0.94	0.32	100,100,100,100	0
54	MG	CA	1656	1/1	0.94	0.16	127,127,127,127	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
54	MG	BA	3153	1/1	0.94	0.16	76,76,76,76	0
54	MG	BA	3370	1/1	0.94	0.18	100,100,100,100	0
54	MG	BA	3265	1/1	0.94	0.39	82,82,82,82	0
54	MG	BA	3266	1/1	0.94	0.30	72,72,72,72	0
54	MG	DA	3197	1/1	0.94	0.11	82,82,82,82	0
54	MG	DA	3355	1/1	0.94	0.39	84,84,84,84	0
54	MG	AA	1832	1/1	0.94	0.27	87,87,87,87	0
54	MG	CA	1665	1/1	0.94	0.16	82,82,82,82	0
54	MG	DA	3210	1/1	0.94	0.32	57,57,57,57	0
54	MG	DA	3359	1/1	0.94	0.43	91,91,91,91	0
54	MG	DA	3499	1/1	0.94	0.12	92,92,92,92	0
54	MG	BA	3560	1/1	0.94	0.29	54,54,54,54	0
54	MG	CA	1671	1/1	0.94	0.14	77,77,77,77	0
54	MG	BA	3159	1/1	0.94	0.33	69,69,69,69	0
54	MG	DA	3503	1/1	0.94	0.29	76,76,76,76	0
54	MG	AA	1651	1/1	0.94	0.25	86,86,86,86	0
54	MG	DA	3505	1/1	0.94	0.25	73,73,73,73	0
54	MG	BA	3066	1/1	0.94	0.20	60,60,60,60	0
54	MG	BE	302	1/1	0.94	0.11	76,76,76,76	0
54	MG	DA	3510	1/1	0.94	0.15	77,77,77,77	0
54	MG	BA	3220	1/1	0.94	0.11	76,76,76,76	0
54	MG	DA	3069	1/1	0.94	0.27	85,85,85,85	0
54	MG	BA	3162	1/1	0.94	0.21	85,85,85,85	0
54	MG	BA	3379	1/1	0.94	0.21	101,101,101,101	0
54	MG	CA	1776	1/1	0.94	0.27	98,98,98,98	0
54	MG	AA	1602	1/1	0.94	0.22	82,82,82,82	0
54	MG	BA	3577	1/1	0.94	0.17	72,72,72,72	0
54	MG	AA	1775	1/1	0.94	0.15	113,113,113,113	0
54	MG	DA	3378	1/1	0.94	0.28	70,70,70,70	0
54	MG	CA	1685	1/1	0.94	0.18	82,82,82,82	0
54	MG	BA	3501	1/1	0.94	0.23	90,90,90,90	0
54	MG	DA	3079	1/1	0.94	0.07	95,95,95,95	0
54	MG	BU	201	1/1	0.94	0.11	95,95,95,95	0
54	MG	BA	3435	1/1	0.94	0.15	94,94,94,94	0
54	MG	DA	3245	1/1	0.94	0.31	76,76,76,76	0
54	MG	AA	1625	1/1	0.94	0.27	83,83,83,83	0
54	MG	DA	3388	1/1	0.94	0.25	78,78,78,78	0
54	MG	DA	3247	1/1	0.94	0.34	76,76,76,76	0
54	MG	DA	3248	1/1	0.94	0.28	93,93,93,93	0
54	MG	CA	1690	1/1	0.94	0.26	86,86,86,86	0
54	MG	AA	1666	1/1	0.94	0.40	88,88,88,88	0
54	MG	BA	3075	1/1	0.94	0.25	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	1779	1/1	0.94	0.43	78,78,78,78	0
54	MG	B7	103	1/1	0.94	0.27	79,79,79,79	0
54	MG	BA	3077	1/1	0.94	0.31	82,82,82,82	0
54	MG	AA	1639	1/1	0.94	0.33	88,88,88,88	0
54	MG	DA	3264	1/1	0.94	0.16	68,68,68,68	0
54	MG	DA	3405	1/1	0.94	0.10	153,153,153,153	0
54	MG	BA	3082	1/1	0.94	0.35	80,80,80,80	0
54	MG	BA	3083	1/1	0.94	0.22	68,68,68,68	0
54	MG	AA	1668	1/1	0.94	0.40	81,81,81,81	0
54	MG	BA	3595	1/1	0.94	0.12	91,91,91,91	0
54	MG	CA	1605	1/1	0.94	0.23	87,87,87,87	0
54	MG	DA	3105	1/1	0.94	0.24	65,65,65,65	0
54	MG	DA	3107	1/1	0.94	0.18	56,56,56,56	0
54	MG	DA	3109	1/1	0.94	0.30	61,61,61,61	0
54	MG	CA	1607	1/1	0.94	0.27	81,81,81,81	0
54	MG	BA	3234	1/1	0.94	0.11	79,79,79,79	0
54	MG	CA	1609	1/1	0.94	0.14	121,121,121,121	0
54	MG	BA	3295	1/1	0.94	0.37	78,78,78,78	0
54	MG	CC	102	1/1	0.94	0.31	77,77,77,77	0
54	MG	DA	3010	1/1	0.95	0.33	74,74,74,74	0
54	MG	AA	1656	1/1	0.95	0.34	73,73,73,73	0
54	MG	BA	3035	1/1	0.95	0.32	52,52,52,52	0
54	MG	DA	3094	1/1	0.95	0.16	107,107,107,107	0
54	MG	BA	3459	1/1	0.95	0.32	78,78,78,78	0
54	MG	AA	1806	1/1	0.95	0.43	87,87,87,87	0
54	MG	DA	3334	1/1	0.95	0.24	84,84,84,84	0
54	MG	DA	3099	1/1	0.95	0.32	60,60,60,60	0
54	MG	DA	3100	1/1	0.95	0.39	64,64,64,64	0
54	MG	BA	3511	1/1	0.95	0.12	80,80,80,80	0
54	MG	DA	3450	1/1	0.95	0.07	94,94,94,94	0
54	MG	DA	3338	1/1	0.95	0.45	105,105,105,105	0
54	MG	AA	1633	1/1	0.95	0.29	90,90,90,90	0
54	MG	DA	3340	1/1	0.95	0.27	83,83,83,83	0
54	MG	DA	3228	1/1	0.95	0.23	70,70,70,70	0
54	MG	BB	204	1/1	0.95	0.40	87,87,87,87	0
54	MG	BA	3299	1/1	0.95	0.36	79,79,79,79	0
54	MG	DA	3022	1/1	0.95	0.21	61,61,61,61	0
54	MG	DA	3346	1/1	0.95	0.20	93,93,93,93	0
54	MG	AT	201	1/1	0.95	0.11	87,87,87,87	0
54	MG	BB	207	1/1	0.95	0.22	84,84,84,84	0
54	MG	AA	1629	1/1	0.95	0.08	134,134,134,134	0
54	MG	AA	1826	1/1	0.95	0.12	117,117,117,117	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
54	MG	DA	3027	1/1	0.95	0.17	93,93,93,93	0
54	MG	BA	3420	1/1	0.95	0.14	65,65,65,65	0
54	MG	BA	3215	1/1	0.95	0.46	74,74,74,74	0
54	MG	BA	3305	1/1	0.95	0.45	79,79,79,79	0
54	MG	BA	3078	1/1	0.95	0.41	63,63,63,63	0
54	MG	DA	3472	1/1	0.95	0.13	88,88,88,88	0
54	MG	BA	3164	1/1	0.95	0.43	83,83,83,83	0
54	MG	BA	3587	1/1	0.95	0.12	88,88,88,88	0
54	MG	DA	3249	1/1	0.95	0.19	74,74,74,74	0
54	MG	DA	3479	1/1	0.95	0.17	68,68,68,68	0
54	MG	DA	3480	1/1	0.95	0.33	64,64,64,64	0
54	MG	DA	3361	1/1	0.95	0.31	77,77,77,77	0
54	MG	DA	3133	1/1	0.95	0.09	76,76,76,76	0
54	MG	AA	1764	1/1	0.95	0.37	111,111,111,111	0
54	MG	BD	301	1/1	0.95	0.09	91,91,91,91	0
54	MG	AA	1752	1/1	0.95	0.13	134,134,134,134	0
54	MG	BA	3526	1/1	0.95	0.10	97,97,97,97	0
54	MG	DA	3260	1/1	0.95	0.39	72,72,72,72	0
54	MG	BA	3387	1/1	0.95	0.26	90,90,90,90	0
54	MG	DA	3491	1/1	0.95	0.19	71,71,71,71	0
54	MG	BA	3476	1/1	0.95	0.20	71,71,71,71	0
54	MG	DA	3372	1/1	0.95	0.11	84,84,84,84	0
54	MG	DA	3140	1/1	0.95	0.29	80,80,80,80	0
54	MG	AA	1766	1/1	0.95	0.14	98,98,98,98	0
54	MG	AC	107	1/1	0.95	0.22	94,94,94,94	0
54	MG	DA	3267	1/1	0.95	0.29	78,78,78,78	0
54	MG	AA	1689	1/1	0.95	0.36	73,73,73,73	0
54	MG	BA	3126	1/1	0.95	0.41	73,73,73,73	0
54	MG	CA	1783	1/1	0.95	0.32	80,80,80,80	0
54	MG	DA	3273	1/1	0.95	0.25	54,54,54,54	0
54	MG	CA	1650	1/1	0.95	0.14	93,93,93,93	0
54	MG	BA	3268	1/1	0.95	0.36	86,86,86,86	0
54	MG	BA	3484	1/1	0.95	0.27	76,76,76,76	0
54	MG	DA	3385	1/1	0.95	0.30	63,63,63,63	0
54	MG	DA	3506	1/1	0.95	0.38	91,91,91,91	0
54	MG	AA	1653	1/1	0.95	0.35	89,89,89,89	0
54	MG	BA	3486	1/1	0.95	0.40	73,73,73,73	0
54	MG	DA	3509	1/1	0.95	0.26	64,64,64,64	0
54	MG	AA	1742	1/1	0.95	0.23	82,82,82,82	0
54	MG	BA	3004	1/1	0.95	0.28	72,72,72,72	0
54	MG	CA	1794	1/1	0.95	0.15	112,112,112,112	0
54	MG	DA	3284	1/1	0.95	0.27	76,76,76,76	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
54	MG	DA	3285	1/1	0.95	0.24	57,57,57,57	0
54	MG	AA	1834	1/1	0.95	0.26	86,86,86,86	0
54	MG	BA	3606	1/1	0.95	0.10	81,81,81,81	0
54	MG	AA	1691	1/1	0.95	0.12	107,107,107,107	0
54	MG	DA	3059	1/1	0.95	0.29	87,87,87,87	0
54	MG	DA	3163	1/1	0.95	0.32	66,66,66,66	0
54	MG	DA	3060	1/1	0.95	0.36	78,78,78,78	0
54	MG	AA	1601	1/1	0.95	0.29	76,76,76,76	0
54	MG	CA	1662	1/1	0.95	0.10	110,110,110,110	0
54	MG	CA	1731	1/1	0.95	0.19	70,70,70,70	0
54	MG	CA	1663	1/1	0.95	0.13	90,90,90,90	0
54	MG	DA	3297	1/1	0.95	0.40	84,84,84,84	0
54	MG	DA	3169	1/1	0.95	0.29	74,74,74,74	0
54	MG	CA	1733	1/1	0.95	0.40	79,79,79,79	0
54	MG	BA	3019	1/1	0.95	0.34	48,48,48,48	0
54	MG	DA	3302	1/1	0.95	0.21	64,64,64,64	0
54	MG	DA	3174	1/1	0.95	0.21	52,52,52,52	0
54	MG	BA	3137	1/1	0.95	0.22	54,54,54,54	0
54	MG	CA	1666	1/1	0.95	0.06	76,76,76,76	0
54	MG	CA	1667	1/1	0.95	0.30	70,70,70,70	0
54	MG	DA	3179	1/1	0.95	0.24	73,73,73,73	0
54	MG	CC	103	1/1	0.95	0.27	73,73,73,73	0
54	MG	BA	3061	1/1	0.95	0.23	84,84,84,84	0
54	MG	BA	3096	1/1	0.95	0.39	56,56,56,56	0
54	MG	BA	3021	1/1	0.95	0.32	63,63,63,63	0
54	MG	AA	1619	1/1	0.95	0.23	96,96,96,96	0
54	MG	BA	3238	1/1	0.95	0.44	63,63,63,63	0
54	MG	DA	3188	1/1	0.95	0.22	82,82,82,82	0
54	MG	BA	3148	1/1	0.95	0.32	85,85,85,85	0
54	MG	BA	3551	1/1	0.95	0.17	93,93,93,93	0
54	MG	CA	1677	1/1	0.95	0.31	73,73,73,73	0
54	MG	AA	1746	1/1	0.95	0.19	110,110,110,110	0
54	MG	BA	3032	1/1	0.95	0.33	56,56,56,56	0
54	MG	D8	101	1/1	0.95	0.26	80,80,80,80	0
54	MG	BA	3505	1/1	0.95	0.20	51,51,51,51	0
54	MG	BA	3067	1/1	0.95	0.21	60,60,60,60	0
54	MG	BA	3561	1/1	0.95	0.34	57,57,57,57	0
56	ZN	AQ	102	1/1	0.95	0.08	138,138,138,138	0
54	MG	DA	3087	1/1	0.95	0.38	79,79,79,79	0
54	MG	DA	3009	1/1	0.95	0.22	71,71,71,71	0
54	MG	DA	3189	1/1	0.96	0.39	56,56,56,56	0
54	MG	BA	3293	1/1	0.96	0.22	89,89,89,89	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
54	MG	BA	3454	1/1	0.96	0.38	92,92,92,92	0
54	MG	BA	3593	1/1	0.96	0.28	78,78,78,78	0
54	MG	BA	3002	1/1	0.96	0.35	58,58,58,58	0
54	MG	BA	3142	1/1	0.96	0.30	66,66,66,66	0
54	MG	BA	3143	1/1	0.96	0.41	63,63,63,63	0
54	MG	DA	3440	1/1	0.96	0.12	86,86,86,86	0
54	MG	DA	3441	1/1	0.96	0.15	111,111,111,111	0
54	MG	BA	3145	1/1	0.96	0.43	61,61,61,61	0
54	MG	DA	3091	1/1	0.96	0.29	73,73,73,73	0
54	MG	BA	3103	1/1	0.96	0.29	76,76,76,76	0
54	MG	DA	3199	1/1	0.96	0.26	63,63,63,63	0
54	MG	DA	3202	1/1	0.96	0.28	60,60,60,60	0
54	MG	DA	3447	1/1	0.96	0.12	80,80,80,80	0
54	MG	BA	3105	1/1	0.96	0.36	60,60,60,60	0
54	MG	DA	3204	1/1	0.96	0.35	71,71,71,71	0
54	MG	DA	3207	1/1	0.96	0.31	72,72,72,72	0
54	MG	AA	1618	1/1	0.96	0.26	82,82,82,82	0
54	MG	DA	3212	1/1	0.96	0.32	48,48,48,48	0
54	MG	DA	3014	1/1	0.96	0.32	67,67,67,67	0
54	MG	DA	3097	1/1	0.96	0.15	89,89,89,89	0
54	MG	DA	3215	1/1	0.96	0.29	68,68,68,68	0
54	MG	DA	3015	1/1	0.96	0.37	64,64,64,64	0
54	MG	AA	1661	1/1	0.96	0.26	81,81,81,81	0
54	MG	AA	1737	1/1	0.96	0.32	95,95,95,95	0
54	MG	DA	3103	1/1	0.96	0.21	66,66,66,66	0
54	MG	BA	3199	1/1	0.96	0.32	80,80,80,80	0
54	MG	DA	3224	1/1	0.96	0.46	49,49,49,49	0
54	MG	BA	3015	1/1	0.96	0.13	88,88,88,88	0
54	MG	DA	3106	1/1	0.96	0.24	66,66,66,66	0
54	MG	BA	3251	1/1	0.96	0.36	48,48,48,48	0
54	MG	DA	3230	1/1	0.96	0.28	64,64,64,64	0
54	MG	DA	3108	1/1	0.96	0.29	65,65,65,65	0
54	MG	AA	1658	1/1	0.96	0.25	68,68,68,68	0
54	MG	DA	3470	1/1	0.96	0.22	54,54,54,54	0
54	MG	DA	3234	1/1	0.96	0.12	94,94,94,94	0
54	MG	DA	3110	1/1	0.96	0.33	60,60,60,60	0
54	MG	DA	3351	1/1	0.96	0.15	85,85,85,85	0
54	MG	DA	3475	1/1	0.96	0.35	66,66,66,66	0
54	MG	DA	3476	1/1	0.96	0.22	66,66,66,66	0
54	MG	BA	3080	1/1	0.96	0.21	82,82,82,82	0
54	MG	CA	1611	1/1	0.96	0.40	106,106,106,106	0
54	MG	DA	3354	1/1	0.96	0.19	126,126,126,126	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
54	MG	CA	1683	1/1	0.96	0.38	86,86,86,86	0
54	MG	DA	3115	1/1	0.96	0.33	66,66,66,66	0
54	MG	CA	1612	1/1	0.96	0.06	94,94,94,94	0
54	MG	BA	3256	1/1	0.96	0.53	80,80,80,80	0
54	MG	BA	3154	1/1	0.96	0.36	59,59,59,59	0
54	MG	DA	3123	1/1	0.96	0.36	92,92,92,92	0
54	MG	DA	3124	1/1	0.96	0.26	71,71,71,71	0
54	MG	AA	1778	1/1	0.96	0.47	70,70,70,70	0
54	MG	DA	3363	1/1	0.96	0.32	92,92,92,92	0
54	MG	AA	1747	1/1	0.96	0.29	88,88,88,88	0
54	MG	CA	1617	1/1	0.96	0.21	109,109,109,109	0
54	MG	DA	3130	1/1	0.96	0.31	52,52,52,52	0
54	MG	DA	3251	1/1	0.96	0.25	87,87,87,87	0
54	MG	BA	3314	1/1	0.96	0.38	81,81,81,81	0
54	MG	BA	3084	1/1	0.96	0.15	109,109,109,109	0
54	MG	BA	3478	1/1	0.96	0.41	64,64,64,64	0
54	MG	DA	3257	1/1	0.96	0.37	56,56,56,56	0
54	MG	BA	3216	1/1	0.96	0.30	62,62,62,62	0
54	MG	DA	3259	1/1	0.96	0.39	78,78,78,78	0
54	MG	BA	3023	1/1	0.96	0.30	45,45,45,45	0
54	MG	BA	3369	1/1	0.96	0.49	68,68,68,68	0
54	MG	BA	3086	1/1	0.96	0.50	73,73,73,73	0
54	MG	AA	1809	1/1	0.96	0.30	105,105,105,105	0
54	MG	BA	3267	1/1	0.96	0.34	75,75,75,75	0
54	MG	BA	3026	1/1	0.96	0.30	59,59,59,59	0
54	MG	DA	3381	1/1	0.96	0.22	93,93,93,93	0
54	MG	DA	3141	1/1	0.96	0.32	88,88,88,88	0
54	MG	BA	3269	1/1	0.96	0.20	49,49,49,49	0
54	MG	DA	3269	1/1	0.96	0.32	97,97,97,97	0
54	MG	DA	3512	1/1	0.96	0.22	63,63,63,63	0
54	MG	AA	1676	1/1	0.96	0.27	109,109,109,109	0
54	MG	DA	3514	1/1	0.96	0.22	92,92,92,92	0
54	MG	AA	1781	1/1	0.96	0.12	103,103,103,103	0
54	MG	BA	3430	1/1	0.96	0.19	93,93,93,93	0
54	MG	BA	3491	1/1	0.96	0.12	84,84,84,84	0
54	MG	BA	3632	1/1	0.96	0.13	114,114,114,114	0
54	MG	DA	3276	1/1	0.96	0.21	91,91,91,91	0
54	MG	CA	1634	1/1	0.96	0.24	87,87,87,87	0
54	MG	BA	3127	1/1	0.96	0.28	90,90,90,90	0
54	MG	BA	3033	1/1	0.96	0.35	62,62,62,62	0
54	MG	AA	1704	1/1	0.96	0.33	88,88,88,88	0
54	MG	BA	3226	1/1	0.96	0.13	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	BA	3564	1/1	0.96	0.14	71,71,71,71	0
54	MG	CA	1790	1/1	0.96	0.31	105,105,105,105	0
54	MG	AA	1830	1/1	0.96	0.12	89,89,89,89	0
54	MG	DA	3402	1/1	0.96	0.15	91,91,91,91	0
54	MG	BA	3497	1/1	0.96	0.41	72,72,72,72	0
54	MG	DA	3159	1/1	0.96	0.24	67,67,67,67	0
54	MG	BA	3278	1/1	0.96	0.43	64,64,64,64	0
54	MG	AA	1770	1/1	0.96	0.11	110,110,110,110	0
54	MG	DA	3061	1/1	0.96	0.15	67,67,67,67	0
54	MG	BA	3133	1/1	0.96	0.34	72,72,72,72	0
54	MG	AA	1784	1/1	0.96	0.13	82,82,82,82	0
54	MG	BA	3178	1/1	0.96	0.36	51,51,51,51	0
54	MG	BA	3285	1/1	0.96	0.39	67,67,67,67	0
54	MG	DA	3295	1/1	0.96	0.19	128,128,128,128	0
54	MG	AA	1760	1/1	0.96	0.19	87,87,87,87	0
54	MG	BA	3339	1/1	0.96	0.43	85,85,85,85	0
54	MG	BA	3445	1/1	0.96	0.48	64,64,64,64	0
54	MG	DE	304	1/1	0.96	0.21	66,66,66,66	0
54	MG	BE	301	1/1	0.96	0.33	59,59,59,59	0
54	MG	CX	101	1/1	0.96	0.24	101,101,101,101	0
54	MG	CA	1727	1/1	0.96	0.06	128,128,128,128	0
54	MG	BA	3069	1/1	0.96	0.25	68,68,68,68	0
54	MG	AA	1603	1/1	0.96	0.23	89,89,89,89	0
54	MG	BA	3584	1/1	0.96	0.13	66,66,66,66	0
54	MG	AA	1699	1/1	0.96	0.10	96,96,96,96	0
54	MG	DA	3307	1/1	0.96	0.15	75,75,75,75	0
54	MG	BA	3449	1/1	0.96	0.35	70,70,70,70	0
54	MG	BA	3185	1/1	0.96	0.53	62,62,62,62	0
54	MG	BA	3291	1/1	0.96	0.22	85,85,85,85	0
54	MG	BA	3139	1/1	0.96	0.45	48,48,48,48	0
54	MG	DA	3001	1/1	0.96	0.34	77,77,77,77	0
54	MG	B2	201	1/1	0.96	0.16	104,104,104,104	0
54	MG	DA	3128	1/1	0.97	0.29	56,56,56,56	0
54	MG	BA	3553	1/1	0.97	0.33	50,50,50,50	0
54	MG	BA	3210	1/1	0.97	0.29	59,59,59,59	0
54	MG	BA	3395	1/1	0.97	0.36	84,84,84,84	0
54	MG	DA	3343	1/1	0.97	0.42	72,72,72,72	0
54	MG	BA	3557	1/1	0.97	0.36	44,44,44,44	0
54	MG	BA	3396	1/1	0.97	0.18	117,117,117,117	0
54	MG	BA	3212	1/1	0.97	0.43	52,52,52,52	0
54	MG	AC	101	1/1	0.97	0.24	68,68,68,68	0
54	MG	BA	3040	1/1	0.97	0.34	58,58,58,58	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
54	MG	BB	202	1/1	0.97	0.20	101,101,101,101	0
54	MG	BA	3041	1/1	0.97	0.48	66,66,66,66	0
54	MG	BA	3567	1/1	0.97	0.30	62,62,62,62	0
54	MG	BA	3070	1/1	0.97	0.15	64,64,64,64	0
54	MG	BA	3569	1/1	0.97	0.40	51,51,51,51	0
54	MG	BA	3262	1/1	0.97	0.23	61,61,61,61	0
54	MG	DA	3054	1/1	0.97	0.36	65,65,65,65	0
54	MG	BA	3571	1/1	0.97	0.35	45,45,45,45	0
54	MG	BA	3572	1/1	0.97	0.44	45,45,45,45	0
54	MG	BA	3009	1/1	0.97	0.17	66,66,66,66	0
54	MG	CA	1792	1/1	0.97	0.18	105,105,105,105	0
54	MG	BA	3010	1/1	0.97	0.34	45,45,45,45	0
54	MG	DA	3471	1/1	0.97	0.31	51,51,51,51	0
54	MG	BA	3173	1/1	0.97	0.23	60,60,60,60	0
54	MG	BA	3013	1/1	0.97	0.28	65,65,65,65	0
54	MG	AA	1680	1/1	0.97	0.13	105,105,105,105	0
54	MG	BA	3579	1/1	0.97	0.50	51,51,51,51	0
54	MG	DA	3263	1/1	0.97	0.38	62,62,62,62	0
54	MG	AA	1820	1/1	0.97	0.06	112,112,112,112	0
54	MG	BA	3179	1/1	0.97	0.52	60,60,60,60	0
54	MG	AA	1632	1/1	0.97	0.17	94,94,94,94	0
54	MG	DA	3482	1/1	0.97	0.31	54,54,54,54	0
54	MG	DA	3156	1/1	0.97	0.32	49,49,49,49	0
54	MG	BA	3515	1/1	0.97	0.33	93,93,93,93	0
54	MG	DA	3371	1/1	0.97	0.34	98,98,98,98	0
54	MG	BA	3110	1/1	0.97	0.28	58,58,58,58	0
54	MG	BA	3144	1/1	0.97	0.34	68,68,68,68	0
54	MG	AA	1609	1/1	0.97	0.30	61,61,61,61	0
54	MG	CA	1730	1/1	0.97	0.19	117,117,117,117	0
54	MG	BA	3184	1/1	0.97	0.28	66,66,66,66	0
54	MG	BA	3321	1/1	0.97	0.43	100,100,100,100	0
54	MG	BA	3521	1/1	0.97	0.40	81,81,81,81	0
54	MG	DA	3076	1/1	0.97	0.27	93,93,93,93	0
54	MG	BA	3467	1/1	0.97	0.27	62,62,62,62	0
54	MG	BA	3591	1/1	0.97	0.33	69,69,69,69	0
54	MG	DA	3280	1/1	0.97	0.27	44,44,44,44	0
54	MG	BA	3022	1/1	0.97	0.37	66,66,66,66	0
54	MG	BA	3323	1/1	0.97	0.33	87,87,87,87	0
54	MG	CA	1738	1/1	0.97	0.42	74,74,74,74	0
54	MG	BA	3276	1/1	0.97	0.45	91,91,91,91	0
54	MG	CA	1740	1/1	0.97	0.17	103,103,103,103	0
54	MG	BA	3053	1/1	0.97	0.29	90,90,90,90	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
54	MG	B5	1701	1/1	0.97	0.28	60,60,60,60	0
54	MG	BA	3472	1/1	0.97	0.28	114,114,114,114	0
54	MG	BA	3081	1/1	0.97	0.20	72,72,72,72	0
54	MG	DA	3183	1/1	0.97	0.32	70,70,70,70	0
54	MG	BA	3188	1/1	0.97	0.28	47,47,47,47	0
54	MG	CA	1746	1/1	0.97	0.36	97,97,97,97	0
54	MG	DA	3396	1/1	0.97	0.26	73,73,73,73	0
54	MG	AA	1823	1/1	0.97	0.09	151,151,151,151	0
54	MG	BA	3281	1/1	0.97	0.37	72,72,72,72	0
54	MG	DA	3092	1/1	0.97	0.41	85,85,85,85	0
54	MG	DA	3011	1/1	0.97	0.15	103,103,103,103	0
54	MG	AA	1792	1/1	0.97	0.22	108,108,108,108	0
54	MG	DA	3298	1/1	0.97	0.27	73,73,73,73	0
54	MG	BA	3025	1/1	0.97	0.33	61,61,61,61	0
54	MG	BA	3193	1/1	0.97	0.39	56,56,56,56	0
54	MG	AA	1607	1/1	0.97	0.17	89,89,89,89	0
54	MG	DA	3098	1/1	0.97	0.09	112,112,112,112	0
54	MG	BA	3028	1/1	0.97	0.38	59,59,59,59	0
54	MG	CA	1606	1/1	0.97	0.21	83,83,83,83	0
54	MG	AA	1635	1/1	0.97	0.15	111,111,111,111	0
54	MG	DA	3102	1/1	0.97	0.24	68,68,68,68	0
54	MG	CA	1756	1/1	0.97	0.39	76,76,76,76	0
54	MG	DA	3200	1/1	0.97	0.36	58,58,58,58	0
54	MG	DA	3201	1/1	0.97	0.37	66,66,66,66	0
54	MG	BA	3607	1/1	0.97	0.40	62,62,62,62	0
54	MG	BA	3483	1/1	0.97	0.28	105,105,105,105	0
54	MG	CA	1610	1/1	0.97	0.17	97,97,97,97	0
54	MG	BA	3123	1/1	0.97	0.41	74,74,74,74	0
54	MG	DA	3209	1/1	0.97	0.31	61,61,61,61	0
54	MG	BA	3031	1/1	0.97	0.32	58,58,58,58	0
54	MG	DA	3211	1/1	0.97	0.27	52,52,52,52	0
54	MG	DA	3317	1/1	0.97	0.26	67,67,67,67	0
54	MG	AA	1663	1/1	0.97	0.16	72,72,72,72	0
54	MG	BA	3201	1/1	0.97	0.28	66,66,66,66	0
54	MG	AA	1750	1/1	0.97	0.09	92,92,92,92	0
54	MG	BA	3003	1/1	0.97	0.33	61,61,61,61	0
54	MG	BA	3064	1/1	0.97	0.30	63,63,63,63	0
54	MG	DA	3114	1/1	0.97	0.28	70,70,70,70	0
54	MG	DA	3219	1/1	0.97	0.33	70,70,70,70	0
54	MG	AA	1657	1/1	0.97	0.38	58,58,58,58	0
54	MG	DA	3433	1/1	0.97	0.30	91,91,91,91	0
54	MG	BA	3620	1/1	0.97	0.15	63,63,63,63	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
54	MG	DA	3120	1/1	0.97	0.25	60,60,60,60	0
54	MG	DA	3328	1/1	0.97	0.14	98,98,98,98	0
54	MG	AA	1615	1/1	0.97	0.16	114,114,114,114	0
54	MG	DA	3225	1/1	0.97	0.33	57,57,57,57	0
54	MG	BA	3298	1/1	0.97	0.32	43,43,43,43	0
54	MG	BA	3252	1/1	0.97	0.49	63,63,63,63	0
54	MG	CA	1696	1/1	0.97	0.10	121,121,121,121	0
54	MG	DA	3229	1/1	0.97	0.36	57,57,57,57	0
54	MG	BA	3208	1/1	0.97	0.48	67,67,67,67	0
54	MG	DA	3126	1/1	0.97	0.25	67,67,67,67	0
54	MG	DA	3232	1/1	0.97	0.31	54,54,54,54	0
54	MG	BA	3443	1/1	0.97	0.12	116,116,116,116	0
54	MG	DA	3173	1/1	0.98	0.29	53,53,53,53	0
54	MG	DA	3236	1/1	0.98	0.30	56,56,56,56	0
54	MG	BA	3302	1/1	0.98	0.42	59,59,59,59	0
54	MG	DA	3119	1/1	0.98	0.30	58,58,58,58	0
54	MG	AA	1604	1/1	0.98	0.14	88,88,88,88	0
54	MG	BA	3018	1/1	0.98	0.36	55,55,55,55	0
54	MG	BA	3107	1/1	0.98	0.39	76,76,76,76	0
54	MG	CA	1691	1/1	0.98	0.30	89,89,89,89	0
54	MG	BA	3108	1/1	0.98	0.28	56,56,56,56	0
54	MG	BA	3556	1/1	0.98	0.38	49,49,49,49	0
54	MG	AA	1623	1/1	0.98	0.17	82,82,82,82	0
54	MG	BA	3558	1/1	0.98	0.34	58,58,58,58	0
54	MG	BA	3559	1/1	0.98	0.43	65,65,65,65	0
54	MG	BA	3027	1/1	0.98	0.28	53,53,53,53	0
54	MG	BA	3128	1/1	0.98	0.11	85,85,85,85	0
54	MG	CA	1793	1/1	0.98	0.33	82,82,82,82	0
54	MG	BA	3562	1/1	0.98	0.40	53,53,53,53	0
54	MG	BA	3563	1/1	0.98	0.40	59,59,59,59	0
54	MG	DA	3030	1/1	0.98	0.05	64,64,64,64	0
54	MG	DA	3256	1/1	0.98	0.30	60,60,60,60	0
54	MG	BA	3048	1/1	0.98	0.29	67,67,67,67	0
54	MG	CA	1657	1/1	0.98	0.24	114,114,114,114	0
54	MG	BA	3012	1/1	0.98	0.28	66,66,66,66	0
54	MG	BA	3282	1/1	0.98	0.43	60,60,60,60	0
54	MG	BA	3113	1/1	0.98	0.28	54,54,54,54	0
54	MG	BA	3254	1/1	0.98	0.31	72,72,72,72	0
54	MG	BA	3037	1/1	0.98	0.17	68,68,68,68	0
54	MG	BA	3175	1/1	0.98	0.27	61,61,61,61	0
54	MG	BA	3200	1/1	0.98	0.39	76,76,76,76	0
54	MG	BA	3613	1/1	0.98	0.18	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	BA	3502	1/1	0.98	0.21	113,113,113,113	0
54	MG	CA	1712	1/1	0.98	0.14	99,99,99,99	0
54	MG	DA	3205	1/1	0.98	0.32	80,80,80,80	0
54	MG	DA	3206	1/1	0.98	0.36	73,73,73,73	0
54	MG	DA	3271	1/1	0.98	0.16	67,67,67,67	0
54	MG	BA	3176	1/1	0.98	0.15	73,73,73,73	0
54	MG	CA	1668	1/1	0.98	0.39	61,61,61,61	0
54	MG	DA	3397	1/1	0.98	0.41	52,52,52,52	0
54	MG	BA	3202	1/1	0.98	0.28	71,71,71,71	0
54	MG	CA	1670	1/1	0.98	0.35	73,73,73,73	0
54	MG	BA	3575	1/1	0.98	0.33	52,52,52,52	0
54	MG	BA	3073	1/1	0.98	0.10	73,73,73,73	0
54	MG	BA	3116	1/1	0.98	0.25	84,84,84,84	0
54	MG	DA	3403	1/1	0.98	0.12	62,62,62,62	0
54	MG	DA	3468	1/1	0.98	0.43	47,47,47,47	0
54	MG	DA	3469	1/1	0.98	0.38	50,50,50,50	0
54	MG	BA	3029	1/1	0.98	0.33	62,62,62,62	0
54	MG	BA	3155	1/1	0.98	0.40	55,55,55,55	0
54	MG	DA	3052	1/1	0.98	0.35	60,60,60,60	0
54	MG	DA	3218	1/1	0.98	0.39	56,56,56,56	0
54	MG	BA	3541	1/1	0.98	0.33	74,74,74,74	0
54	MG	BA	3156	1/1	0.98	0.35	57,57,57,57	0
54	MG	DA	3160	1/1	0.98	0.32	69,69,69,69	0
54	MG	BA	3001	1/1	0.98	0.40	57,57,57,57	0
54	MG	AA	1640	1/1	0.98	0.33	77,77,77,77	0
54	MG	CA	1680	1/1	0.98	0.05	104,104,104,104	0
54	MG	DA	3481	1/1	0.98	0.27	55,55,55,55	0
54	MG	BA	3042	1/1	0.98	0.19	62,62,62,62	0
54	MG	BA	3104	1/1	0.98	0.34	45,45,45,45	0
54	MG	CA	1729	1/1	0.98	0.08	108,108,108,108	0
54	MG	BA	3214	1/1	0.98	0.29	56,56,56,56	0
54	MG	BA	3140	1/1	0.98	0.41	47,47,47,47	0
54	MG	BA	3242	1/1	0.98	0.32	59,59,59,59	0
54	MG	DA	3170	1/1	0.98	0.23	58,58,58,58	0
54	MG	BA	3422	1/1	0.98	0.33	52,52,52,52	0
54	MG	DA	3116	1/1	0.98	0.26	60,60,60,60	0
54	MG	BA	3011	1/1	0.99	0.35	49,49,49,49	0
54	MG	DA	3395	1/1	0.99	0.07	103,103,103,103	0
54	MG	BA	3016	1/1	0.99	0.40	57,57,57,57	0
54	MG	BA	3457	1/1	0.99	0.50	49,49,49,49	0
54	MG	DA	3118	1/1	0.99	0.15	57,57,57,57	0
54	MG	BA	3158	1/1	0.99	0.18	79,79,79,79	0

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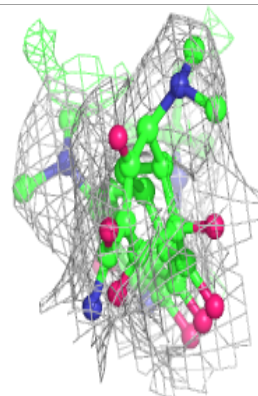
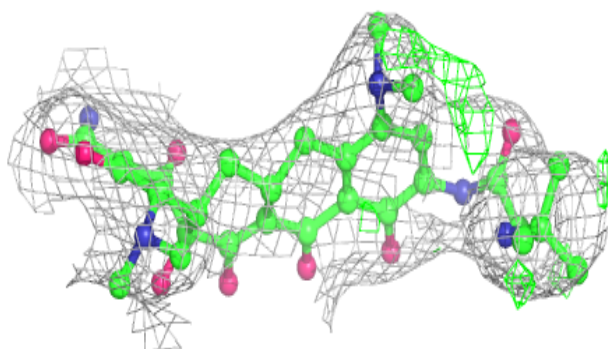
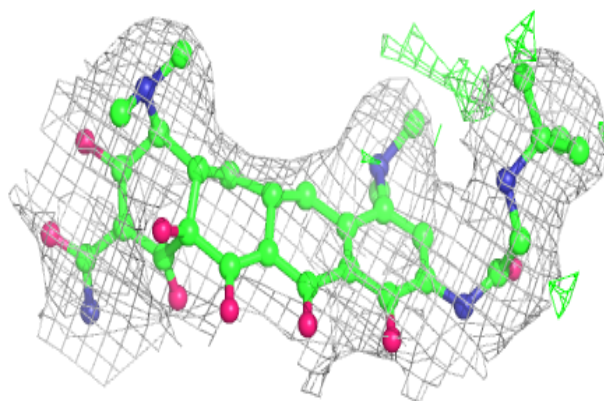
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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
54	MG	DA	3220	1/1	0.99	0.26	60,60,60,60	0
54	MG	BA	3098	1/1	0.99	0.37	45,45,45,45	0
54	MG	BA	3209	1/1	0.99	0.37	64,64,64,64	0
54	MG	DA	3252	1/1	0.99	0.23	67,67,67,67	0
54	MG	DA	3404	1/1	0.99	0.22	86,86,86,86	0
54	MG	BA	3007	1/1	0.99	0.39	59,59,59,59	0
54	MG	BA	3211	1/1	0.99	0.24	48,48,48,48	0
54	MG	BA	3172	1/1	0.99	0.47	62,62,62,62	0
54	MG	BA	3008	1/1	0.99	0.44	59,59,59,59	0
54	MG	BA	3260	1/1	0.99	0.38	62,62,62,62	0
54	MG	BA	3610	1/1	0.99	0.28	55,55,55,55	0
54	MG	BA	3611	1/1	0.99	0.23	55,55,55,55	0
54	MG	DA	3176	1/1	0.99	0.38	58,58,58,58	0
54	MG	DA	3062	1/1	0.99	0.31	60,60,60,60	0
54	MG	DA	3478	1/1	0.99	0.40	63,63,63,63	0
54	MG	BA	3244	1/1	0.99	0.33	53,53,53,53	0
54	MG	BA	3101	1/1	0.99	0.42	42,42,42,42	0
54	MG	BA	3014	1/1	0.99	0.36	49,49,49,49	0
54	MG	DA	3181	1/1	0.99	0.27	78,78,78,78	0
54	MG	DA	3208	1/1	0.99	0.29	57,57,57,57	0
54	MG	DA	3237	1/1	0.99	0.35	52,52,52,52	0
54	MG	BA	3038	1/1	0.99	0.30	53,53,53,53	0
54	MG	DA	3157	1/1	0.99	0.30	58,58,58,58	0
54	MG	BA	3189	1/1	0.99	0.41	52,52,52,52	0
54	MG	BA	3020	1/1	0.99	0.40	49,49,49,49	0
54	MG	B0	201	1/1	0.99	0.26	67,67,67,67	0
54	MG	BA	3047	1/1	0.99	0.31	77,77,77,77	0

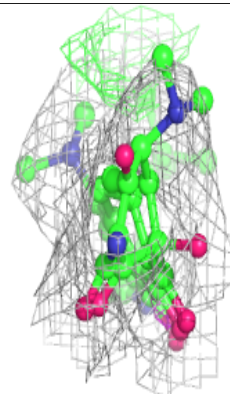
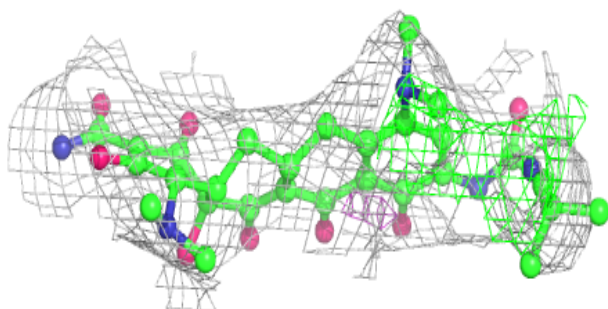
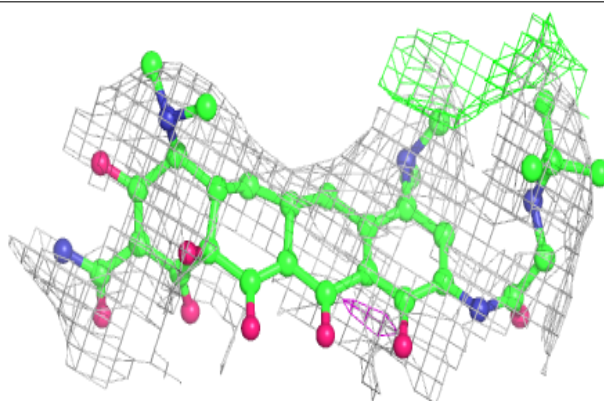
The following is a graphical depiction of the model fit to experimental electron density of all instances of the Ligand of Interest. In addition, ligands with molecular weight > 250 and outliers as shown on the geometry validation Tables will also be included. Each fit is shown from different orientation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

Electron density around T1C AA 1837:

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

**Electron density around T1C CA 1800:**

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



6.5 Other polymers [i](#)

There are no such residues in this entry.