wwPDB X-ray Structure Validation Summary Report ⓘ

Oct 9, 2023 – 11:20 AM EDT

PDB ID	:	4V9S
Title	:	Crystal structure of antibiotic GE82832 bound to 70S ribosome
Authors	:	Bulkley, D.P.; Brandi, L.; Polikanov, Y.S.; Fabbretti, A.; O'Connor, M.; Gualerzi, C.O.; Steitz, T.A.
Deposited on	:	2013-12-05
Resolution	:	3.10 Å(reported)

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

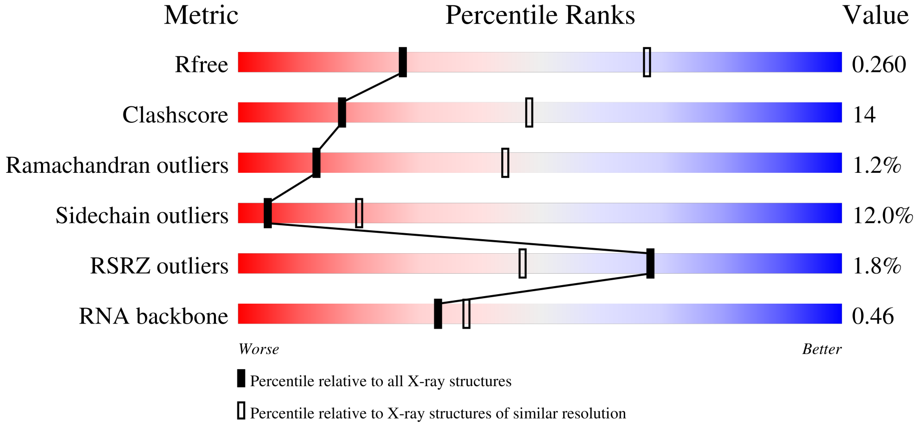
MolProbity	:	4.02b-467
Mogul	:	1.8.5 (274361), CSD as541be (2020)
Xtriage (Phenix)	:	1.13
EDS	:	2.35.1
Percentile statistics	:	20191225.v01 (using entries in the PDB archive December 25th 2019)
Refmac	:	5.8.0158
CCP4	:	7.0.044 (Gargrove)
Ideal geometry (proteins)	:	Engh & Huber (2001)
Ideal geometry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

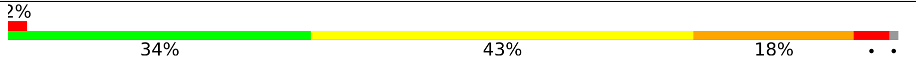
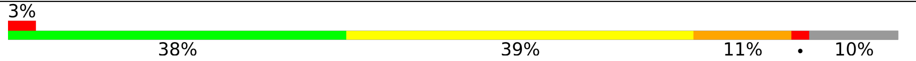
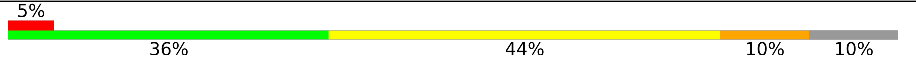
The reported resolution of this entry is 3.10 Å.

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 <=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	1522	
1	CA	1522	
2	AB	256	
2	CB	256	

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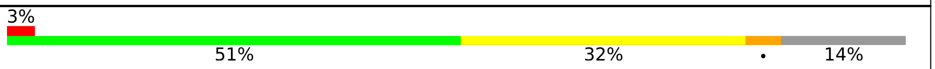
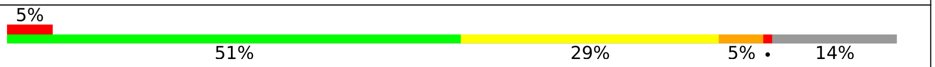
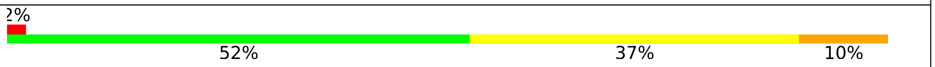
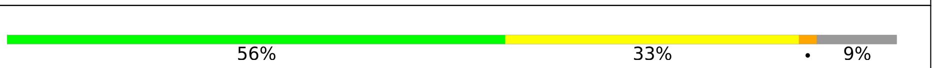
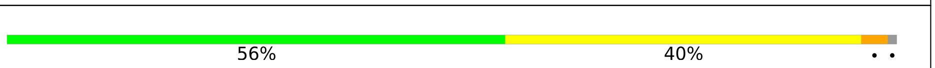
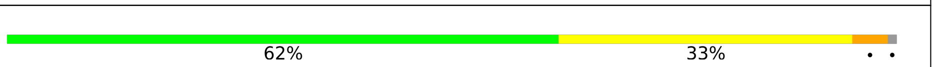
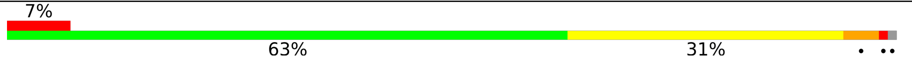
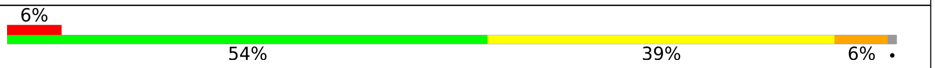
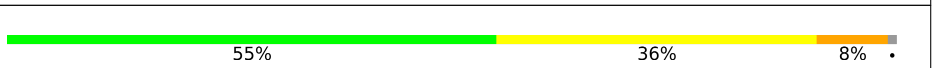
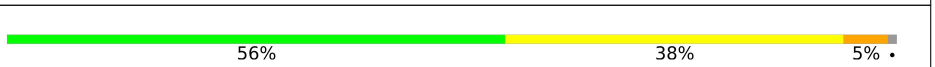
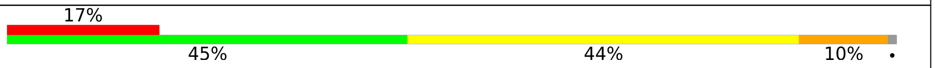
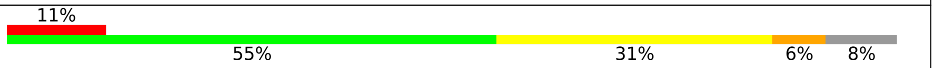
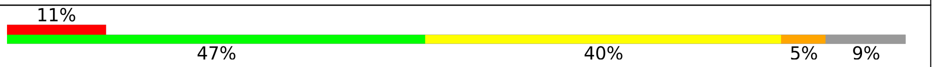
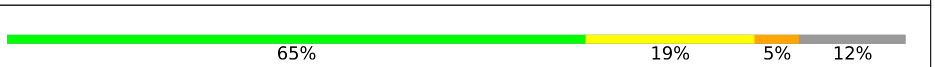
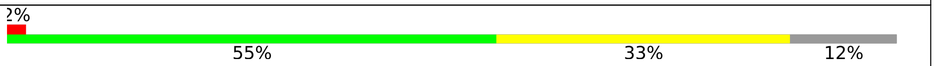
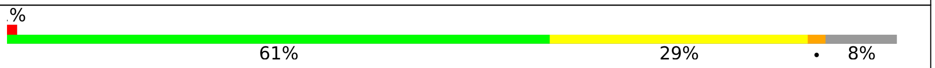
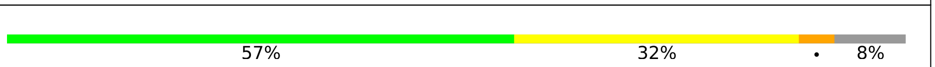
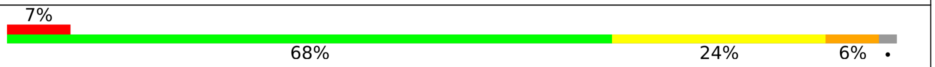
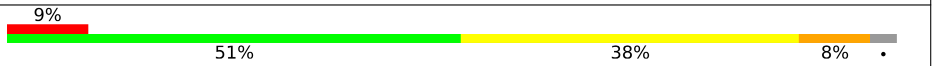
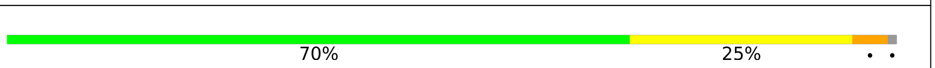
Mol	Chain	Length	Quality of chain
3	AC	239	
3	CC	239	
4	AD	209	
4	CD	209	
5	AE	162	
5	CE	162	
6	AF	101	
6	CF	101	
7	AG	156	
7	CG	156	
8	AH	138	
8	CH	138	
9	AI	128	
9	CI	128	
10	AJ	105	
10	CJ	105	
11	AK	129	
11	CK	129	
12	AL	132	
12	CL	132	
13	AM	126	
13	CM	126	
14	AN	61	
14	CN	61	
15	AO	89	

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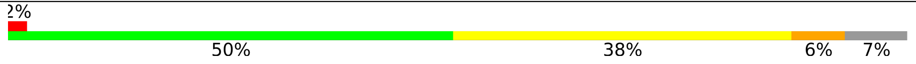
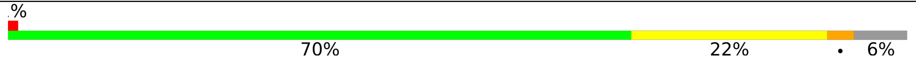
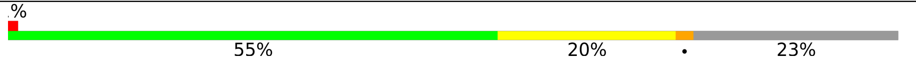
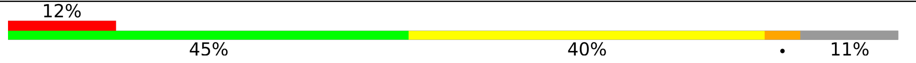
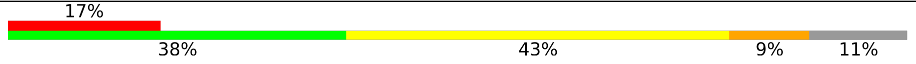
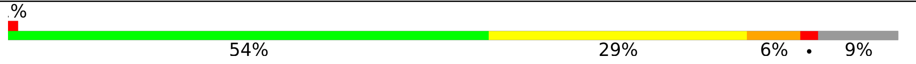
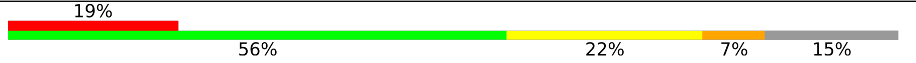
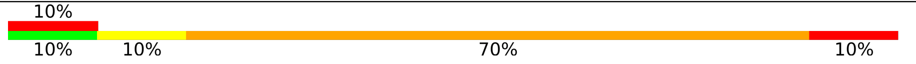
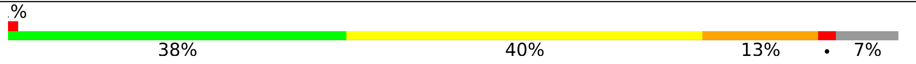
Mol	Chain	Length	Quality of chain
15	CO	89	
16	AP	88	
16	CP	88	
17	AQ	105	
17	CQ	105	
18	AR	88	
18	CR	88	
19	AS	93	
19	CS	93	
20	AT	106	
20	CT	106	
21	AU	27	
21	CU	27	
22	AV	24	
22	CV	24	
23	AX	77	
23	CX	77	
24	AW	10	
24	CW	10	
25	BA	2915	
25	DA	2915	
26	BB	122	
26	DB	122	
27	BD	276	
27	DD	276	

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Mol	Chain	Length	Quality of chain
28	BE	206	71% 21% 7% •
28	DE	206	62% 30% 6% ••
29	BF	210	65% 28% • •
29	DF	210	56% 36% • •
30	BG	182	% 61% 32% 6% •
30	DG	182	3% 43% 46% 10% •
31	BH	180	64% 28% • •
31	DH	180	9% 52% 39% 5% •
32	BI	148	49% 39% 11% •
32	DI	148	3% 58% 34% 6% •
33	BN	140	78% 19% •
33	DN	140	69% 27% •
34	BO	122	72% 25% ••
34	DO	122	61% 34% •
35	BP	150	70% 25% • •
35	DP	150	% 65% 28% 7% •
36	BQ	141	62% 31% 6%
36	DQ	141	55% 40% 5%
37	BR	118	65% 25% 9%
37	DR	118	60% 34% 6%
38	BS	112	70% 22% 6% •
38	DS	112	4% 46% 45% 8% •
39	BT	146	62% 26% • 10%
39	DT	146	60% 27% • 10%
40	BU	118	69% 25% • •

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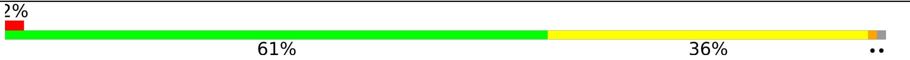
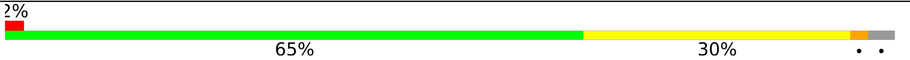
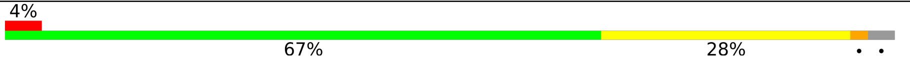
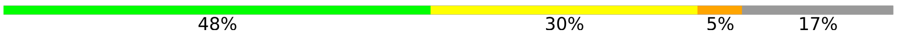
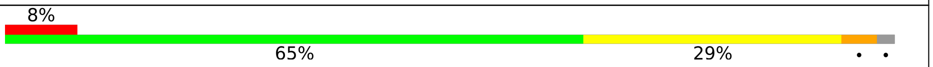
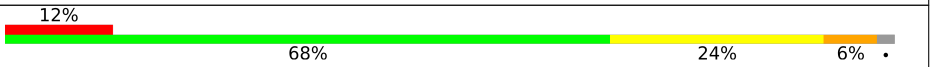
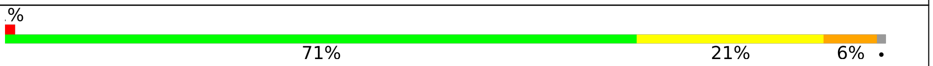
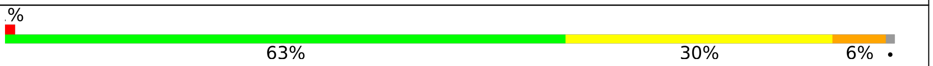
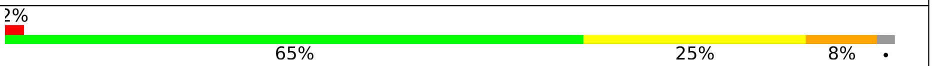
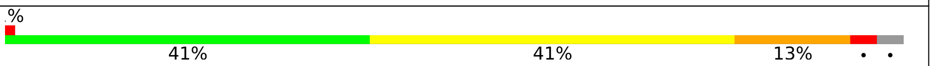
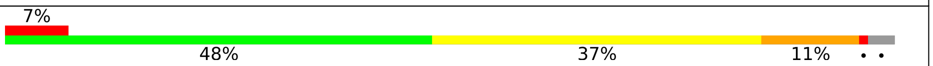
Mol	Chain	Length	Quality of chain
40	DU	118	
41	BV	101	
41	DV	101	
42	BW	113	
42	DW	113	
43	BX	96	
43	DX	96	
44	BY	110	
44	DY	110	
45	BZ	206	
45	DZ	206	
46	B0	85	
46	D0	85	
47	B1	98	
47	D1	98	
48	B2	72	
48	D2	72	
49	B3	60	
49	D3	60	
50	B4	71	
50	D4	71	
51	B5	60	
51	D5	60	
52	B6	54	
52	D6	54	

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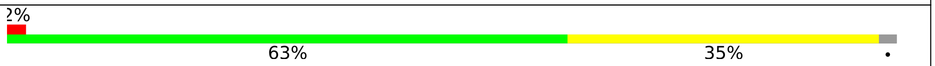
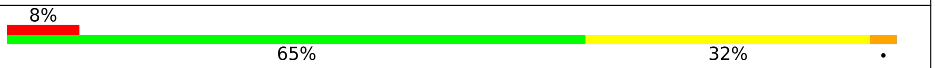
Mol	Chain	Length	Quality of chain
53	B7	49	
53	D7	49	
54	B8	65	
54	D8	65	
55	B9	37	
55	D9	37	

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
24	2QY	CW	10	-	-	X	-
24	MVA	CW	9	-	-	X	-
56	MG	AA	3028	-	-	-	X
56	MG	AA	3035	-	-	-	X
56	MG	AA	3037	-	-	-	X
56	MG	AA	3043	-	-	-	X
56	MG	AA	3051	-	-	-	X
56	MG	AA	3079	-	-	-	X
56	MG	AA	3089	-	-	-	X
56	MG	AA	3093	-	-	-	X
56	MG	AA	3100	-	-	-	X
56	MG	AA	3114	-	-	-	X
56	MG	AA	3116	-	-	-	X
56	MG	AA	3120	-	-	-	X
56	MG	AA	3147	-	-	-	X
56	MG	B1	3001	-	-	-	X
56	MG	BA	3065	-	-	-	X
56	MG	BA	3069	-	-	-	X
56	MG	BA	3085	-	-	-	X
56	MG	BA	3087	-	-	-	X
56	MG	BA	3089	-	-	-	X
56	MG	BA	3094	-	-	-	X
56	MG	BA	3160	-	-	-	X
56	MG	BA	3231	-	-	-	X
56	MG	BA	3247	-	-	-	X
56	MG	BA	3295	-	-	-	X
56	MG	BA	3297	-	-	-	X

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
56	MG	BA	3622	-	-	-	X
56	MG	BA	3699	-	-	-	X
56	MG	CA	3016	-	-	-	X
56	MG	CA	3024	-	-	-	X
56	MG	CA	3030	-	-	-	X
56	MG	CA	3038	-	-	-	X
56	MG	CA	3041	-	-	-	X
56	MG	CA	3042	-	-	-	X
56	MG	CA	3053	-	-	-	X
56	MG	CA	3135	-	-	-	X
56	MG	DA	3064	-	-	-	X
56	MG	DA	3098	-	-	-	X
56	MG	DA	3103	-	-	-	X
56	MG	DA	3125	-	-	-	X
56	MG	DA	3186	-	-	-	X
56	MG	DA	3427	-	-	-	X
56	MG	DA	3438	-	-	-	X
56	MG	DA	3464	-	-	-	X
56	MG	DA	3545	-	-	-	X
56	MG	DA	3581	-	-	-	X
56	MG	DA	3615	-	-	-	X
56	MG	DW	202	-	-	-	X
59	FME	CX	101	-	-	-	X

2 Entry composition

There are 61 unique types of molecules in this entry. The entry contains 286321 atoms, of which 0 are hydrogens and 0 are deuteriums.

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

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
1	AA	1498	Total 32196	C 14328	N 5966	O 10404	P 1498	0	0	0
1	CA	1503	Total 32312	C 14381	N 5990	O 10438	P 1503	0	0	0

- Molecule 2 is a protein called 30S Ribosomal Protein S2.

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

- Molecule 3 is a protein called 30S Ribosomal Protein S3.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
3	AC	206	Total 1552	C 976	N 302	O 273	S 1	0	0	0
3	CC	206	Total 1542	C 968	N 300	O 273	S 1	0	0	0

- Molecule 4 is a protein called 30S Ribosomal Protein S4.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
4	AD	208	Total 1659	C 1040	N 326	O 286	S 7	0	0	0
4	CD	208	Total 1674	C 1050	N 333	O 284	S 7	0	0	0

- Molecule 5 is a protein called 30S Ribosomal Protein S5.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
5	AE	148	Total 1129	C 714	N 213	O 198	S 4	0	0	0
5	CE	148	Total 1133	C 716	N 214	O 199	S 4	0	0	0

- Molecule 6 is a protein called 30S Ribosomal Protein S6.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
6	AF	100	Total 806	C 511	N 143	O 149	S 3	0	0	0
6	CF	100	Total 816	C 516	N 146	O 151	S 3	0	0	0

- Molecule 7 is a protein called 30S Ribosomal Protein S7.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
7	AG	155	Total 1231	C 766	N 243	O 216	S 6	0	0	0
7	CG	155	Total 1235	C 769	N 244	O 216	S 6	0	0	0

- Molecule 8 is a protein called 30S Ribosomal Protein S8.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
8	AH	137	Total 1088	C 689	N 206	O 191	S 2	0	0	0
8	CH	137	Total 1088	C 689	N 206	O 191	S 2	0	0	0

- Molecule 9 is a protein called 30S Ribosomal Protein S9.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
9	AI	127	Total 983	C 623	N 193	O 167	0	0	0
9	CI	127	Total 978	C 619	N 190	O 169	0	0	0

- Molecule 10 is a protein called 30S Ribosomal Protein S10.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
10	AJ	97	Total 709	C 440	N 138	O 131	0	0	0

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Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
10	CJ	96	Total	C	N	O	0	0	0
			714	445	138	131			

- Molecule 11 is a protein called 30S Ribosomal Protein S11.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
11	AK	114	Total	C	N	O	S	0	0	0
			829	516	155	155	3			
11	CK	114	Total	C	N	O	S	0	0	0
			833	519	156	155	3			

- Molecule 12 is a protein called 30S Ribosomal Protein S12.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
12	AL	122	Total	C	N	O	S	0	0	0
			930	585	185	159	1			
12	CL	122	Total	C	N	O	S	0	0	0
			930	585	185	159	1			

- Molecule 13 is a protein called 30S Ribosomal Protein S13.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
13	AM	123	Total	C	N	O	S	0	0	0
			958	592	198	166	2			
13	CM	122	Total	C	N	O	S	0	0	0
			950	586	197	165	2			

- Molecule 14 is a protein called 30S Ribosomal Protein S14.

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

- Molecule 15 is a protein called 30S Ribosomal Protein S15.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
15	AO	88	Total	C	N	O	S	0	0	0
			728	456	144	126	2			
15	CO	88	Total	C	N	O	S	0	0	0
			728	456	144	126	2			

- Molecule 16 is a protein called 30S Ribosomal Protein S16.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
16	AP	82	Total	C	N	O	S	0	0	0
			681	433	134	113	1			
16	CP	82	Total	C	N	O	S	0	0	0
			677	430	133	113	1			

- Molecule 17 is a protein called 30S Ribosomal Protein S17.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
17	AQ	99	Total	C	N	O	S	0	0	0
			823	528	151	142	2			
17	CQ	99	Total	C	N	O	S	0	0	0
			823	528	151	142	2			

- Molecule 18 is a protein called 30S Ribosomal Protein S18.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
18	AR	68	Total	C	N	O	0	0	0
			555	355	108	92			
18	CR	68	Total	C	N	O	0	0	0
			555	355	108	92			

- Molecule 19 is a protein called 30S Ribosomal Protein S19.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
19	AS	83	Total	C	N	O	S	0	0	0
			652	417	120	113	2			
19	CS	83	Total	C	N	O	S	0	0	0
			646	412	119	113	2			

- Molecule 20 is a protein called 30S Ribosomal Protein S20.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
20	AT	96	Total	C	N	O	S	0	0	0
			728	446	156	124	2			
20	CT	96	Total	C	N	O	S	0	0	0
			727	446	155	124	2			

- Molecule 21 is a protein called 30S Ribosomal Protein THX.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
21	AU	23	Total	C	N	O	0	0	0
			199	122	48	29			
21	CU	23	Total	C	N	O	0	0	0
			199	122	48	29			

- Molecule 22 is a RNA chain called mRNA.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
22	AV	7	Total	C	N	O	P	0	0	1
			114	49	22	37	6			
22	CV	6	Total	C	N	O	P	0	0	0
			113	49	22	36	6			

- Molecule 23 is a RNA chain called P-site tRNA.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
23	AX	76	Total	C	N	O	P	0	0	0
			1623	723	294	530	76			
23	CX	76	Total	C	N	O	P	0	0	0
			1623	723	294	530	76			

- Molecule 24 is a protein called GE82832.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
24	AW	10	Total	C	N	O	0	0	0
			93	67	10	16			
24	CW	10	Total	C	N	O	0	0	0
			93	67	10	16			

- Molecule 25 is a RNA chain called 23S Ribosomal RNA.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
25	BA	2731	Total	C	N	O	P	0	0	0
			58834	26185	11020	18899	2730			
25	DA	2714	Total	C	N	O	P	0	0	0
			58458	26018	10942	18786	2712			

- Molecule 26 is a RNA chain called 5S Ribosomal RNA.

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

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

- Molecule 27 is a protein called 50S Ribosomal Protein L2.

Mol	Chain	Residues	Atoms	ZeroOcc	AltConf	Trace
27	BD	275	Total C N O S 2136 1349 423 361 3	0	0	0
27	DD	275	Total C N O S 2136 1349 423 361 3	0	0	0

- Molecule 28 is a protein called 50S Ribosomal Protein L3.

Mol	Chain	Residues	Atoms	ZeroOcc	AltConf	Trace
28	BE	204	Total C N O S 1559 985 298 270 6	0	0	0
28	DE	204	Total C N O S 1559 985 298 270 6	0	0	0

- Molecule 29 is a protein called 50S Ribosomal Protein L4.

Mol	Chain	Residues	Atoms	ZeroOcc	AltConf	Trace
29	BF	203	Total C N O S 1584 1009 298 275 2	0	0	1
29	DF	203	Total C N O S 1580 1007 297 274 2	0	0	1

- Molecule 30 is a protein called 50S Ribosomal Protein L5.

Mol	Chain	Residues	Atoms	ZeroOcc	AltConf	Trace
30	BG	181	Total C N O S 1425 914 256 251 4	0	0	0
30	DG	181	Total C N O S 1424 911 258 251 4	0	0	0

- Molecule 31 is a protein called 50S Ribosomal Protein L6.

Mol	Chain	Residues	Atoms	ZeroOcc	AltConf	Trace
31	BH	174	Total C N O S 1330 845 248 236 1	0	0	0
31	DH	174	Total C N O S 1330 845 248 236 1	0	0	0

- Molecule 32 is a protein called 50S Ribosomal Protein L9.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
			Total	C	N	O	S			
32	BI	146	1085	693	189	202	1	0	0	0
32	DI	146	1061	680	186	194	1	0	0	0

- Molecule 33 is a protein called 50S Ribosomal Protein L13.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
			Total	C	N	O	S			
33	BN	140	1117	719	207	187	4	0	0	0
33	DN	140	1117	719	207	187	4	0	0	0

- Molecule 34 is a protein called 50S Ribosomal Protein L14.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
			Total	C	N	O	S			
34	BO	122	933	588	171	170	4	0	0	0
34	DO	122	933	588	171	170	4	0	0	0

- Molecule 35 is a protein called 50S Ribosomal Protein L15.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
			Total	C	N	O	S			
35	BP	149	1135	706	230	196	3	0	0	0
35	DP	149	1135	706	230	196	3	0	0	0

- Molecule 36 is a protein called 50S Ribosomal Protein L16.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
			Total	C	N	O	S			
36	BQ	141	1122	715	212	188	7	0	0	0
36	DQ	141	1122	715	212	188	7	0	0	0

- Molecule 37 is a protein called 50S Ribosomal Protein L17.

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

- Molecule 38 is a protein called 50S Ribosomal Protein L18.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
38	BS	110	Total	C	N	O	0	0	0
			877	553	175	149			
38	DS	110	Total	C	N	O	0	0	0
			870	549	173	148			

- Molecule 39 is a protein called 50S Ribosomal Protein L19.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
39	BT	131	Total	C	N	O	S	0	0	0
			1091	680	225	185	1			
39	DT	131	Total	C	N	O	S	0	0	0
			1083	675	224	183	1			

- Molecule 40 is a protein called 50S Ribosomal Protein L20.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
40	BU	116	Total	C	N	O	S	0	0	0
			959	608	201	149	1			
40	DU	116	Total	C	N	O	S	0	0	0
			959	608	201	149	1			

- Molecule 41 is a protein called 50S Ribosomal Protein L21.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
41	BV	101	Total	C	N	O	S	0	0	0
			771	495	140	135	1			
41	DV	101	Total	C	N	O	S	0	0	0
			771	495	140	135	1			

- Molecule 42 is a protein called 50S Ribosomal Protein L22.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
42	BW	112	Total	C	N	O	S	0	0	0
			886	557	174	153	2			

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
			Total	C	N	O	S			
42	DW	112	886	557	174	153	2	0	0	0

- Molecule 43 is a protein called 50S Ribosomal Protein L23.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
			Total	C	N	O	S			
43	BX	95	750	488	135	126	1	0	0	0
43	DX	95	750	488	135	126	1	0	0	0

- Molecule 44 is a protein called 50S Ribosomal Protein L24.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
			Total	C	N	O	S			
44	BY	107	806	517	152	131	6	0	0	0
44	DY	107	806	517	152	131	6	0	0	0

- Molecule 45 is a protein called 50S Ribosomal Protein L25.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
			Total	C	N	O	S			
45	BZ	171	1349	862	243	242	2	0	0	0
45	DZ	174	1360	870	243	245	2	0	0	0

- Molecule 46 is a protein called 50S Ribosomal Protein L27.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
			Total	C	N	O	S			
46	B0	83	653	404	139	109	1	0	0	0
46	D0	83	653	404	139	109	1	0	0	0

- Molecule 47 is a protein called 50S Ribosomal Protein L28.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
			Total	C	N	O	S			
47	B1	97	755	475	148	131	1	0	0	0
47	D1	97	755	475	148	131	1	0	0	0

- Molecule 48 is a protein called 50S Ribosomal Protein L29.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
48	B2	70	Total 588	C 365	N 118	O 103	S 2	0	0	0
48	D2	70	Total 588	C 365	N 118	O 103	S 2	0	0	0

- Molecule 49 is a protein called 50S Ribosomal Protein L30.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
49	B3	59	Total 469	C 298	N 90	O 81	0	0	0
49	D3	59	Total 464	C 296	N 90	O 78	0	0	0

- Molecule 50 is a protein called 50S Ribosomal Protein L31.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
50	B4	69	Total 551	C 348	N 99	O 99	S 5	0	0	0
50	D4	69	Total 531	C 338	N 97	O 91	S 5	0	0	0

- Molecule 51 is a protein called 50S Ribosomal Protein L32.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
51	B5	59	Total 455	C 285	N 89	O 76	S 5	0	0	0
51	D5	59	Total 455	C 285	N 89	O 76	S 5	0	0	0

- Molecule 52 is a protein called 50S Ribosomal Protein L33.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
52	B6	53	Total 453	C 281	N 91	O 77	S 4	0	0	0
52	D6	53	Total 449	C 279	N 91	O 75	S 4	0	0	0

- Molecule 53 is a protein called 50S Ribosomal Protein L34.

Mol	Chain	Residues	Atoms	ZeroOcc	AltConf	Trace
53	B7	48	Total C N O S 418 257 104 55 2	0	0	0
53	D7	48	Total C N O S 418 257 104 55 2	0	0	0

- Molecule 54 is a protein called 50S Ribosomal Protein L35.

Mol	Chain	Residues	Atoms	ZeroOcc	AltConf	Trace
54	B8	64	Total C N O S 511 328 99 82 2	0	0	0
54	D8	64	Total C N O S 517 331 102 82 2	0	0	0

- Molecule 55 is a protein called 50S Ribosomal Protein L36.

Mol	Chain	Residues	Atoms	ZeroOcc	AltConf	Trace
55	B9	37	Total C N O S 307 188 68 47 4	0	0	0
55	D9	37	Total C N O S 307 188 68 47 4	0	0	0

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

Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
56	AA	221	Total Mg 221 221	0	0
56	AD	1	Total Mg 1 1	0	0
56	AF	1	Total Mg 1 1	0	0
56	AK	1	Total Mg 1 1	0	0
56	AM	1	Total Mg 1 1	0	0
56	AN	2	Total Mg 2 2	0	0
56	AV	1	Total Mg 1 1	0	0
56	AX	9	Total Mg 9 9	0	0
56	BA	738	Total Mg 738 738	0	0

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Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
56	BB	18	Total Mg 18 18	0	0
56	BD	12	Total Mg 12 12	0	0
56	BE	10	Total Mg 10 10	0	0
56	BF	8	Total Mg 8 8	0	0
56	BG	4	Total Mg 4 4	0	0
56	BN	6	Total Mg 6 6	0	0
56	BO	1	Total Mg 1 1	0	0
56	BP	4	Total Mg 4 4	0	0
56	BQ	5	Total Mg 5 5	0	0
56	BR	4	Total Mg 4 4	0	0
56	BU	8	Total Mg 8 8	0	0
56	BV	4	Total Mg 4 4	0	0
56	BW	5	Total Mg 5 5	0	0
56	BX	1	Total Mg 1 1	0	0
56	BY	1	Total Mg 1 1	0	0
56	BZ	1	Total Mg 1 1	0	0
56	B0	4	Total Mg 4 4	0	0
56	B1	1	Total Mg 1 1	0	0
56	B2	1	Total Mg 1 1	0	0
56	B3	3	Total Mg 3 3	0	0
56	B4	1	Total Mg 1 1	0	0

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Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
56	B5	1	Total Mg 1 1	0	0
56	B7	4	Total Mg 4 4	0	0
56	B8	3	Total Mg 3 3	0	0
56	B9	1	Total Mg 1 1	0	0
56	CA	172	Total Mg 172 172	0	0
56	CE	2	Total Mg 2 2	0	0
56	CF	1	Total Mg 1 1	0	0
56	CQ	1	Total Mg 1 1	0	0
56	CT	1	Total Mg 1 1	0	0
56	CX	3	Total Mg 3 3	0	0
56	DA	653	Total Mg 653 653	0	0
56	DB	12	Total Mg 12 12	0	0
56	DD	8	Total Mg 8 8	0	0
56	DE	6	Total Mg 6 6	0	0
56	DF	6	Total Mg 6 6	0	0
56	DG	1	Total Mg 1 1	0	0
56	DN	1	Total Mg 1 1	0	0
56	DO	1	Total Mg 1 1	0	0
56	DQ	5	Total Mg 5 5	0	0
56	DR	2	Total Mg 2 2	0	0
56	DV	4	Total Mg 4 4	0	0

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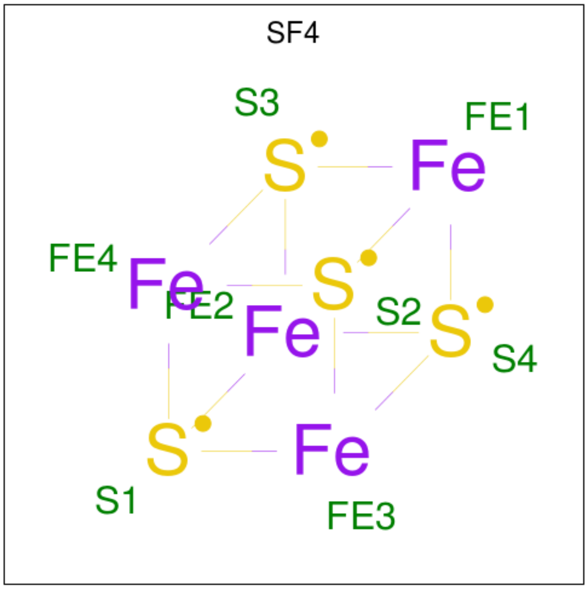
Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
56	DW	2	Total Mg 2 2	0	0
56	DY	1	Total Mg 1 1	0	0
56	D0	1	Total Mg 1 1	0	0
56	D3	1	Total Mg 1 1	0	0
56	D5	2	Total Mg 2 2	0	0
56	D8	1	Total Mg 1 1	0	0

- Molecule 57 is IRON/SULFUR CLUSTER (three-letter code: SF4) (formula: Fe_4S_4).



Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
57	AD	1	Total Fe S 8 4 4	0	0
57	CD	1	Total Fe S 8 4 4	0	0

- Molecule 58 is ZINC ION (three-letter code: ZN) (formula: Zn).

Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
58	AN	1	Total Zn 1 1	0	0

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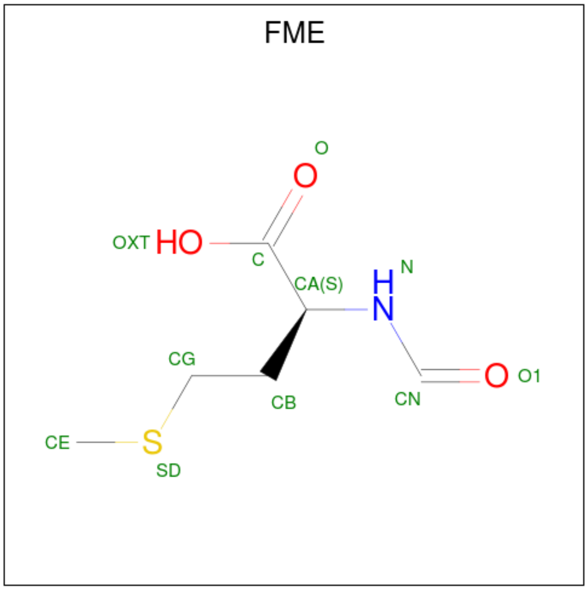
Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
58	BY	1	Total 1	Zn 1	0	0
58	B4	1	Total 1	Zn 1	0	0
58	B5	1	Total 1	Zn 1	0	0
58	B6	1	Total 1	Zn 1	0	0
58	B9	1	Total 1	Zn 1	0	0
58	CN	1	Total 1	Zn 1	0	0
58	DY	1	Total 1	Zn 1	0	0
58	D4	1	Total 1	Zn 1	0	0
58	D5	1	Total 1	Zn 1	0	0
58	D6	1	Total 1	Zn 1	0	0
58	D9	1	Total 1	Zn 1	0	0

- Molecule 59 is N-FORMYLMETHIONINE (three-letter code: FME) (formula: $C_6H_{11}NO_3S$).



Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
59	AX	1	Total C N O S 10 6 1 2 1	0	0
59	CX	1	Total C N O S 10 6 1 2 1	0	0

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

Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
60	BA	1	Total K 1 1	0	0
60	DA	1	Total K 1 1	0	0

- Molecule 61 is water.

Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
61	AA	148	Total O 148 148	0	0
61	AD	1	Total O 1 1	0	0
61	AE	3	Total O 3 3	0	0
61	AJ	1	Total O 1 1	0	0
61	AL	1	Total O 1 1	0	0
61	AP	1	Total O 1 1	0	0
61	AU	1	Total O 1 1	0	0
61	AV	1	Total O 1 1	0	0
61	AX	1	Total O 1 1	0	0
61	BA	1092	Total O 1092 1092	0	0
61	BB	26	Total O 26 26	0	0
61	BD	8	Total O 8 8	0	0
61	BE	9	Total O 9 9	0	0
61	BF	4	Total O 4 4	0	0

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Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
61	BG	1	Total O 1 1	0	0
61	BN	3	Total O 3 3	0	0
61	BO	2	Total O 2 2	0	0
61	BP	15	Total O 15 15	0	0
61	BQ	3	Total O 3 3	0	0
61	BR	1	Total O 1 1	0	0
61	BT	1	Total O 1 1	0	0
61	BU	4	Total O 4 4	0	0
61	BV	2	Total O 2 2	0	0
61	BW	2	Total O 2 2	0	0
61	BX	4	Total O 4 4	0	0
61	B0	4	Total O 4 4	0	0
61	B1	2	Total O 2 2	0	0
61	B5	3	Total O 3 3	0	0
61	B7	1	Total O 1 1	0	0
61	B8	8	Total O 8 8	0	0
61	CA	187	Total O 187 187	0	0
61	CE	2	Total O 2 2	0	0
61	CN	1	Total O 1 1	0	0
61	CT	1	Total O 1 1	0	0
61	CX	2	Total O 2 2	0	0

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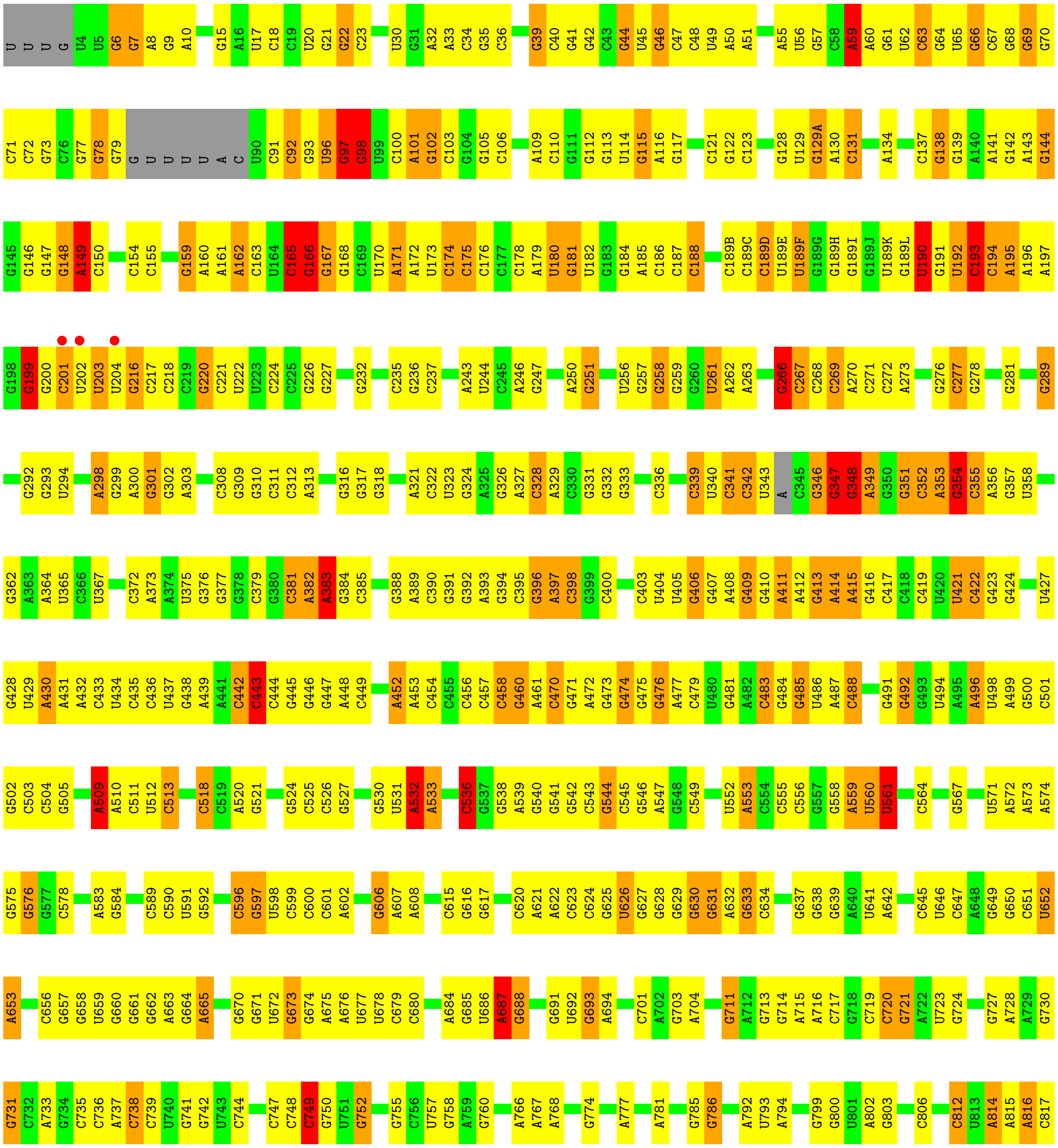
Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
61	DA	902	Total O 902 902	0	0
61	DB	7	Total O 7 7	0	0
61	DD	8	Total O 8 8	0	0
61	DE	13	Total O 13 13	0	0
61	DF	5	Total O 5 5	0	0
61	DO	1	Total O 1 1	0	0
61	DP	14	Total O 14 14	0	0
61	DQ	3	Total O 3 3	0	0
61	DU	4	Total O 4 4	0	0
61	DV	1	Total O 1 1	0	0
61	DX	2	Total O 2 2	0	0
61	DY	2	Total O 2 2	0	0
61	D0	5	Total O 5 5	0	0
61	D1	1	Total O 1 1	0	0
61	D7	2	Total O 2 2	0	0
61	D8	4	Total O 4 4	0	0

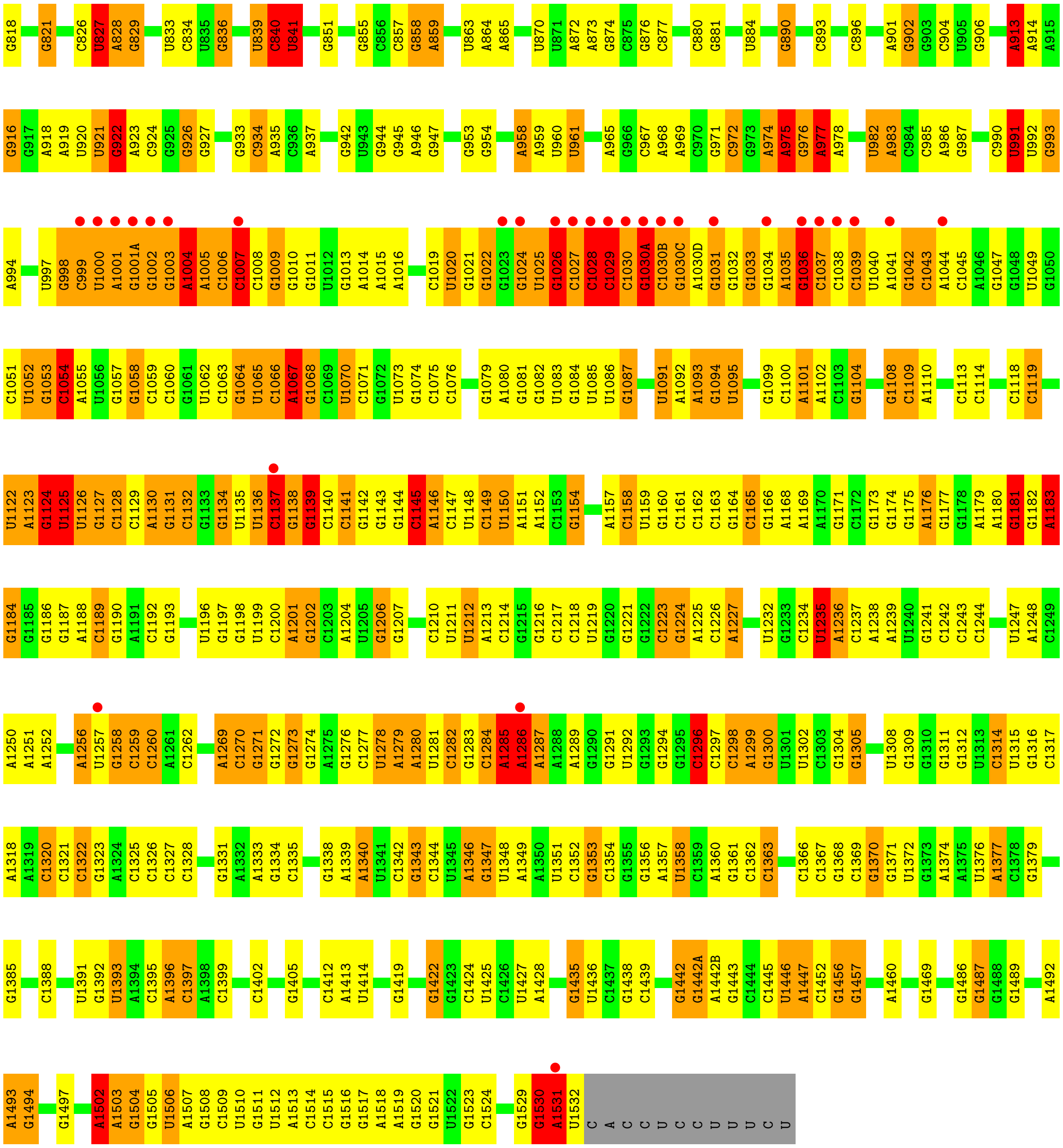
3 Residue-property plots ⓘ

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

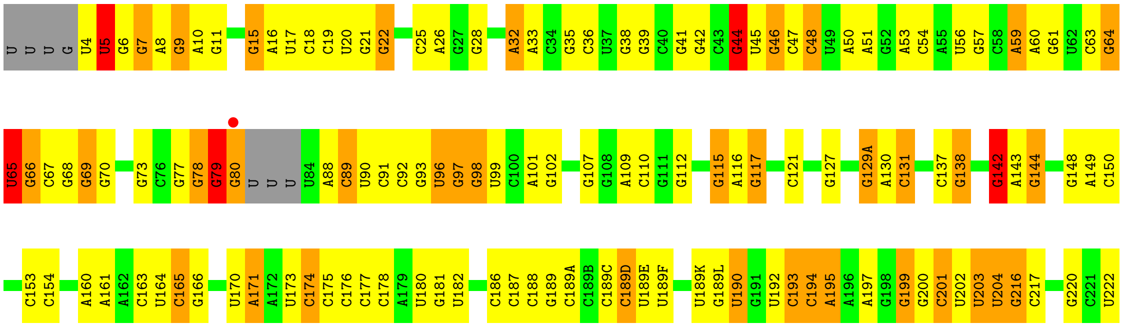
Chain AA:

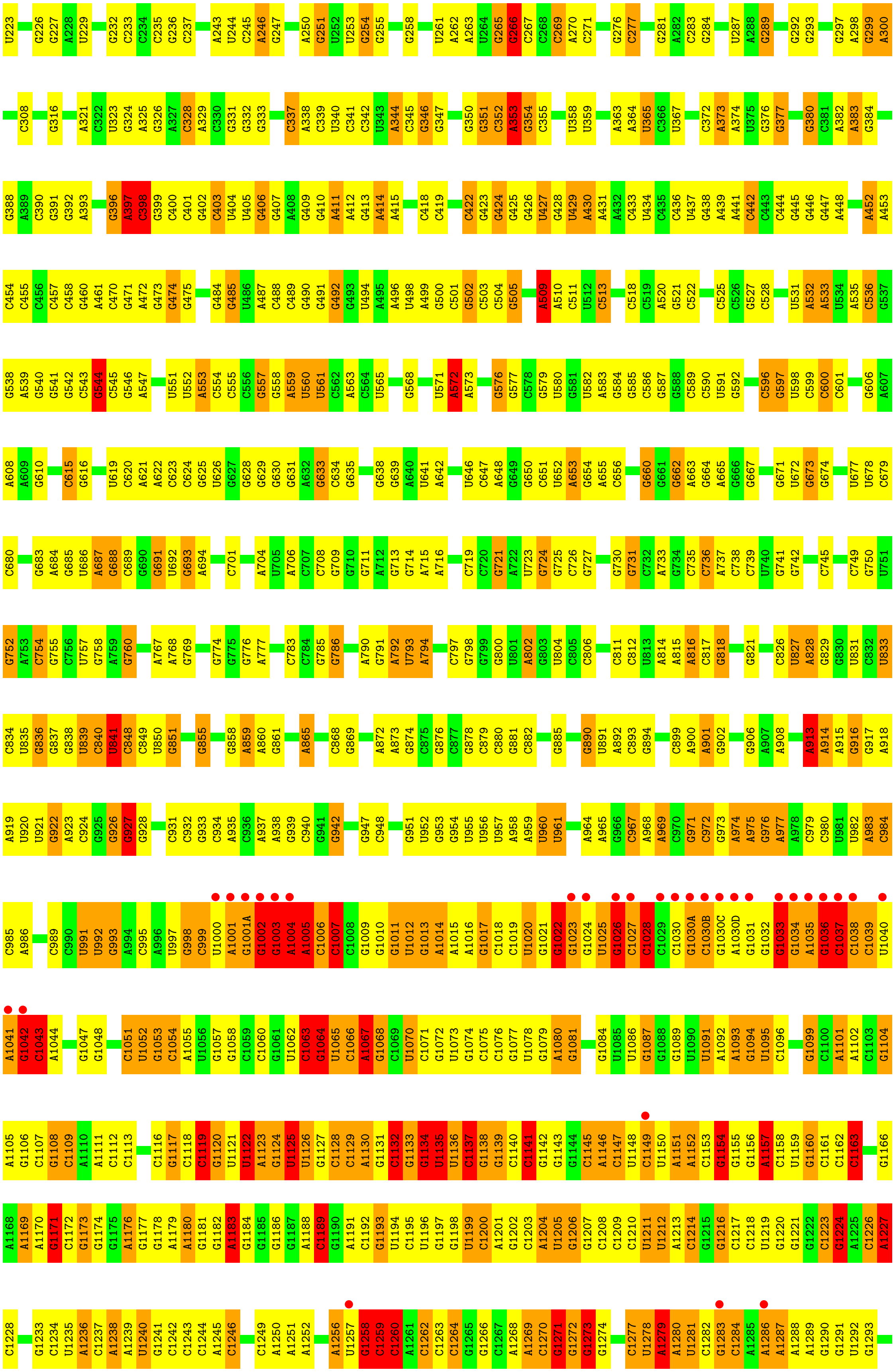




- Molecule 1: 16S Ribosomal RNA

Chain CA:

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C308 G316 A321 C322 U323 G324 A325 G326 A327 C328 A329 C330 G331 G332 G333 C337 A338 C339 U340 C341 C342 U343 A344 C345 G346 G347 G350 G351 C352 A353 G354 C355 U358 U359 A363 A364 U365 C366 U367 C372 A373 A374 U375 G376 G377 G380 C381 A382 A383 G384
G388 A389 C390 G391 G392 A393 G396 A397 C398 G399 C400 C401 G402 C403 U404 U405 G406 G407 A408 G409 G410 A411 A412 G413 A414 A415 C418 C419 C422 G423 G424 G425 G426 U427 G428 U429 A430 A431 A432 C433 U434 C435 C436 U437 G438 A439 A441 C442 C443 C444 G445 G446 G447 A448 A452 A453
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G538 A539 G540 G541 G542 C543 G544 C545 G546 A547 U551 U552 A553 C554 C555 G556 G557 G558 A559 U560 U561 C562 A563 C564 U565 G568 U571 A572 A573 G576 G577 C578 G579 U580 G581 U582 A583 G584 G585 C586 G587 G588 C589 U590 U591 G592 C596 G597 U598 C599 C600 C601 G606 A607
A608 A609 G610 C615 G616 U619 C620 A621 A622 C623 C624 G625 U626 G627 G628 G629 G630 G631 A632 G633 C634 G635 G638 G639 A640 U641 A642 U646 C647 A648 G649 G650 C651 U652 A653 G654 A655 C656 G660 G661 G662 A663 G664 A665 G666 G667 G671 U672 G673 G674 U677 U678 C679
C680 G683 A684 G685 U686 A687 G688 C689 G690 G691 U692 G693 A694 C701 A704 U705 A706 C707 C708 G709 G710 G711 A712 G713 G714 A715 A716 C719 C720 G721 A722 U723 G724 G725 C726 G727 G730 G731 C732 A733 G734 C735 C736 A737 C738 C739 U740 G741 G742 C745 C749 G750 U751
G752 A753 C754 G755 C756 U757 G758 A759 G760 A767 A768 G769 G774 G775 C776 A777 C783 C784 G785 G786 A790 G791 A792 U793 A794 C797 G798 G799 G800 U801 A802 G803 U804 C805 C806 C811 C812 U813 A814 A815 A816 C817 G818 G821 C826 U827 A828 G829 G830 U831 C832 U833
C834 U835 G836 G837 G838 U839 C840 U841 C848 C849 U850 G851 G855 G858 A859 A860 G861 A865 C868 G869 A872 A873 G874 C875 G876 C877 G878 C879 C880 G881 C882 G885 G890 U891 A892 C893 G894 C899 A900 A901 G902 G906 A907 A908 A913 A914 A915 G916 G917 A918
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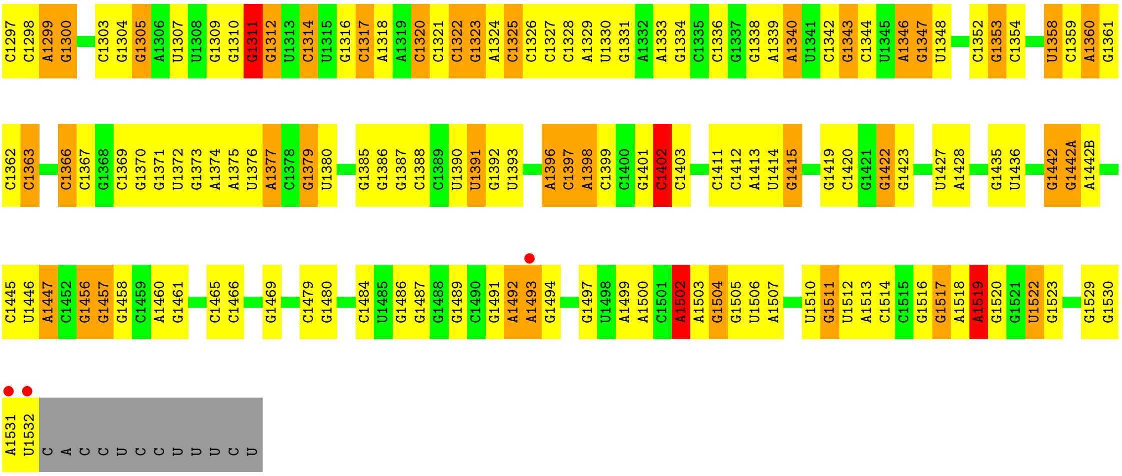
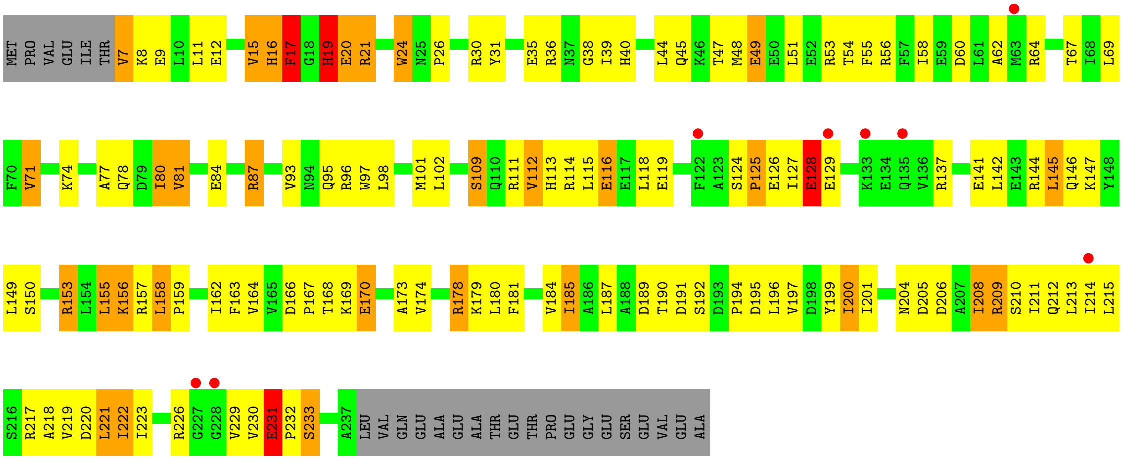
C985 A986 C989 C990 U991 U992 G993 A994 C995 A996 U997 G998 C999 U1000 A1001 G1001A G1002 G1003 A1004 A1005 C1006 C1007 C1008 G1009 G1010 G1011 U1012 G1013 A1014 A1015 A1016 G1017 C1018 C1019 U1020 G1021 G1022 G1023 U1024 U1025 G1026 C1027 C1028 C1029 C1030 G1030A C1030B U1030C A1030D G1031 G1032 G1033 G1034 A1035 G1036 C1037 C1038 C1039 U1040
A1041 G1042 C1043 A1044 G1047 G1048 C1051 U1052 G1053 C1054 A1055 U1056 G1057 G1058 C1059 C1060 G1061 U1062 C1063 G1064 U1065 C1066 A1067 G1068 C1069 U1070 C1071 G1072 U1073 G1074 C1075 C1076 G1077 U1078 G1079 A1080 G1081 G1084 U1085 U1086 G1087 G1088 G1089 U1090 U1091 A1092 A1093 G1094 U1095 C1096 G1099 C1100 A1101 A1102 C1103 G1104
A1105 G1106 C1107 G1108 C1109 A1110 A1111 C1112 C1113 C1116 G1117 C1118 C1119 G1120 U1121 U1122 A1123 G1124 U1125 U1126 G1127 C1128 C1129 A1130 G1131 C1132 G1133 G1134 U1135 U1136 C1137 G1138 G1139 C1140 C1141 G1142 G1143 G1144 C1145 A1146 C1147 U1148 C1149 U1150 A1151 A1152 C1153 G1154 G1155 G1156 A1157 C1158 U1159 G1160 C1161 C1162 C1163 G1166
A1168 A1169 A1170 G1171 C1172 G1173 G1174 G1175 A1176 G1177 G1178 A1179 A1180 G1181 G1182 A1183 G1184 G1185 G1186 G1187 A1188 C1189 G1190 A1191 C1192 G1193 U1194 C1195 U1196 G1197 G1198 U1199 C1200 A1201 G1202 C1203 A1204 U1205 G1206 G1207 C1208 C1209 C1210 U1211 U1212 A1213 C1214 G1215 G1216 C1217 C1218 U1219 G1220 G1221 G1222 C1223 G1224 A1225 C1226 A1227
C1228 G1233 C1234 U1235 A1236 C1237 A1238 A1239 U1240 G1241 C1242 C1243 C1244 A1245 C1246 C1249 A1250 A1251 A1252 A1256 U1257 G1258 C1259 C1260 A1261 C1262 C1263 C1264 G1265 C1266 C1267 A1268 A1269 C1270 G1271 G1272 G1273 G1274 C1277 U1278 A1279 A1280 U1281 C1282 G1283 C1284 A1285 A1286 A1287 A1288 A1289 G1290 G1291 U1292 G1293



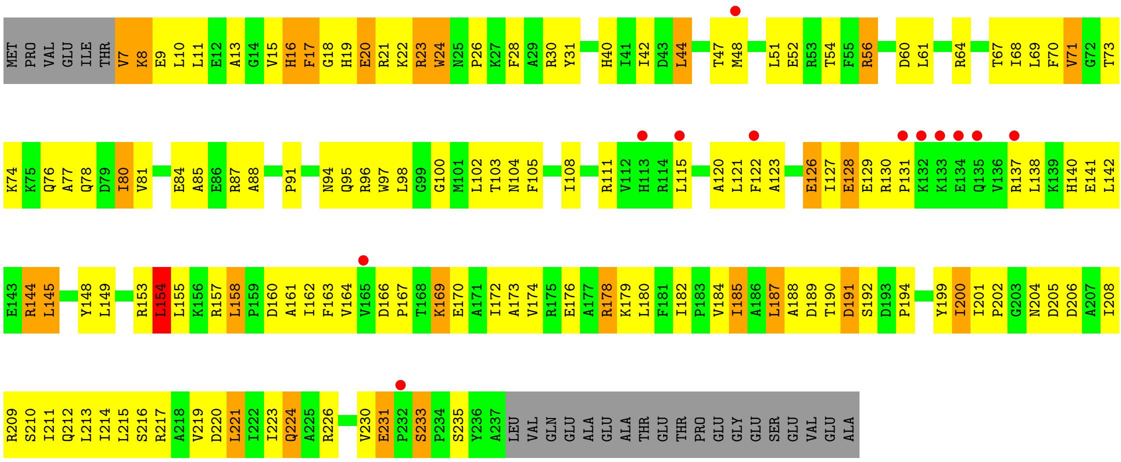
- Molecule 2: 30S Ribosomal Protein S2

Chain AB:



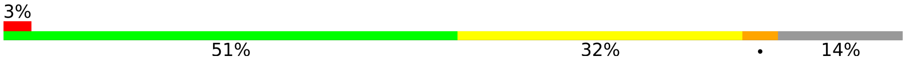
- Molecule 2: 30S Ribosomal Protein S2

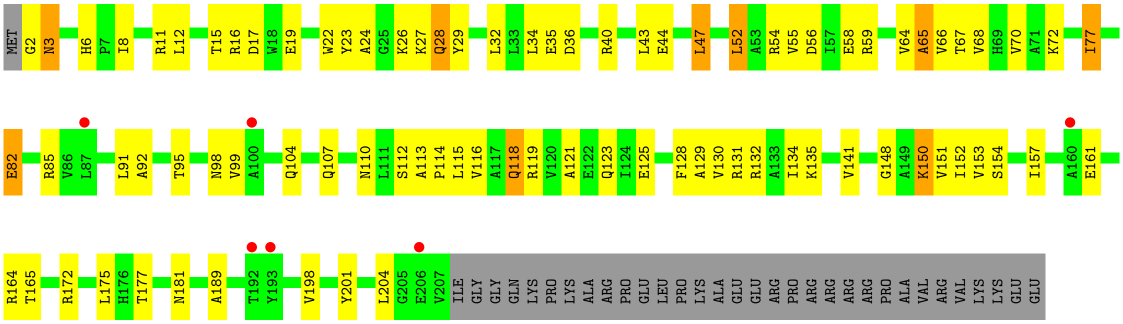
Chain CB:



- Molecule 3: 30S Ribosomal Protein S3

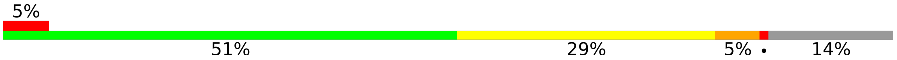
Chain AC:

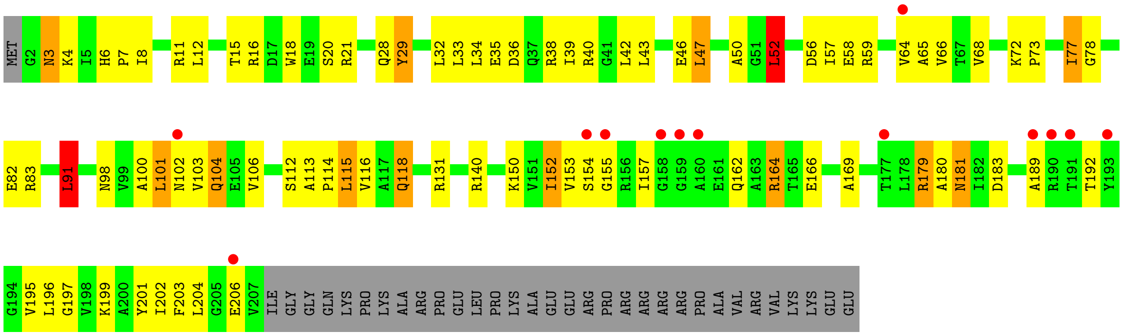




- Molecule 3: 30S Ribosomal Protein S3

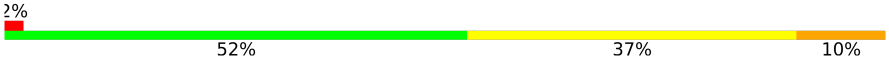
Chain CC:

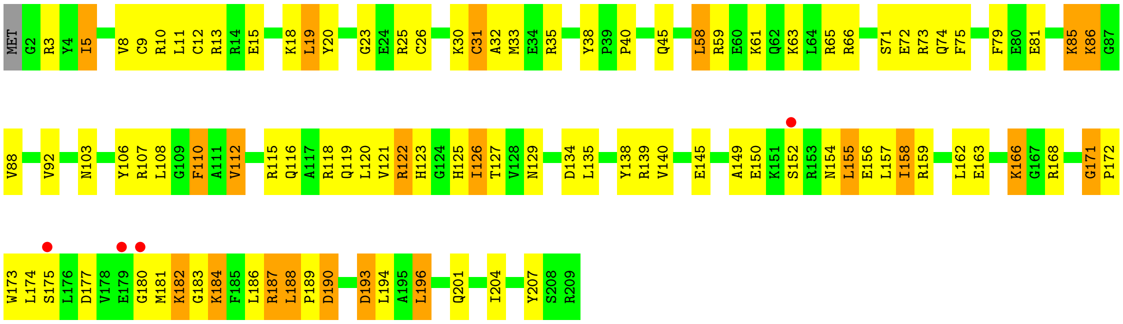




- Molecule 4: 30S Ribosomal Protein S4

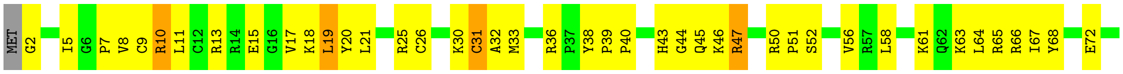
Chain AD:

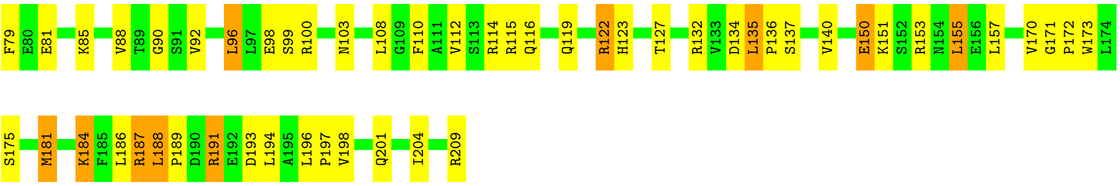




- Molecule 4: 30S Ribosomal Protein S4

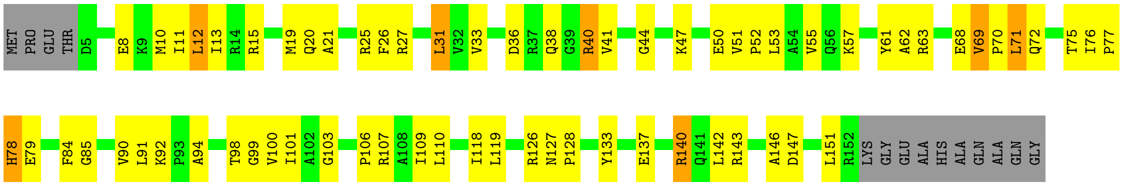
Chain CD:





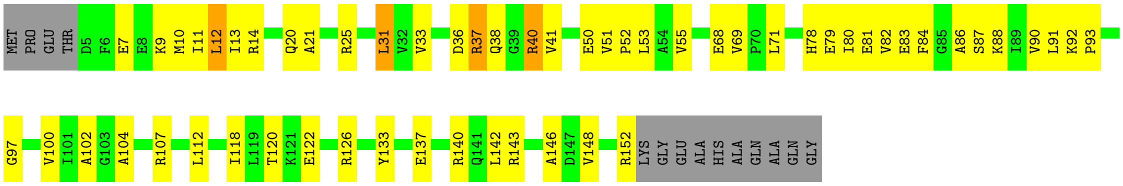
- Molecule 5: 30S Ribosomal Protein S5

Chain AE:



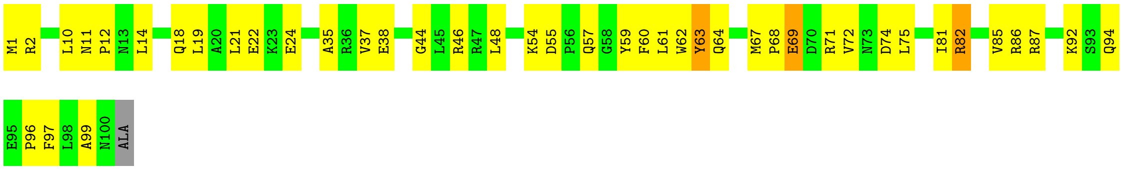
- Molecule 5: 30S Ribosomal Protein S5

Chain CE:



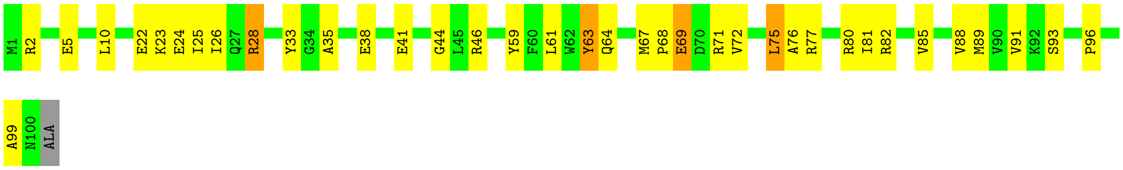
- Molecule 6: 30S Ribosomal Protein S6

Chain AF:



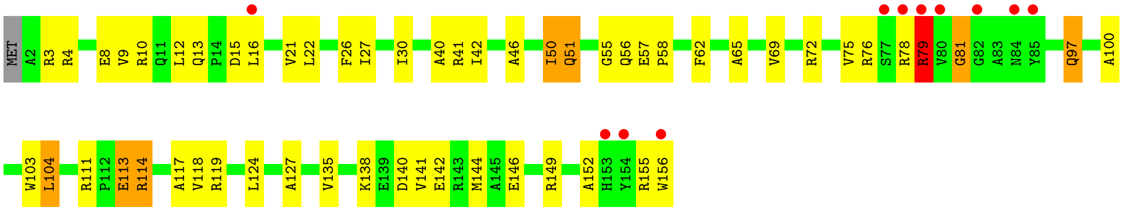
- Molecule 6: 30S Ribosomal Protein S6

Chain CF:



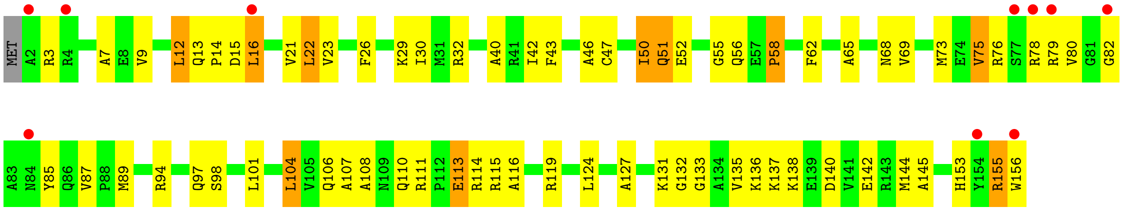
- Molecule 7: 30S Ribosomal Protein S7

Chain AG:



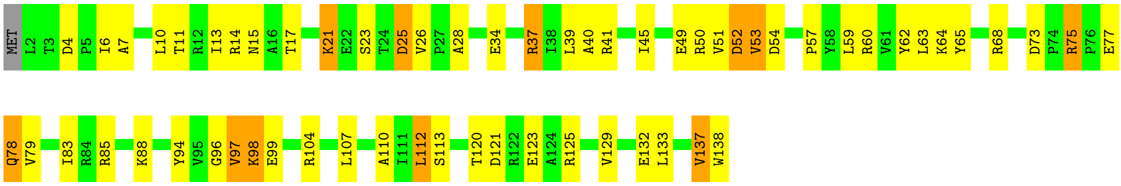
- Molecule 7: 30S Ribosomal Protein S7

Chain CG:



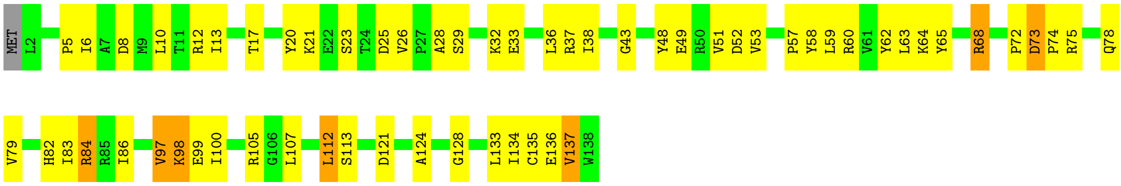
- Molecule 8: 30S Ribosomal Protein S8

Chain AH:



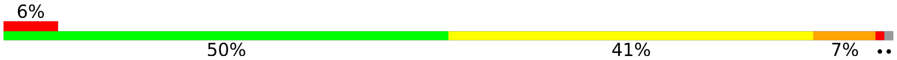
- Molecule 8: 30S Ribosomal Protein S8

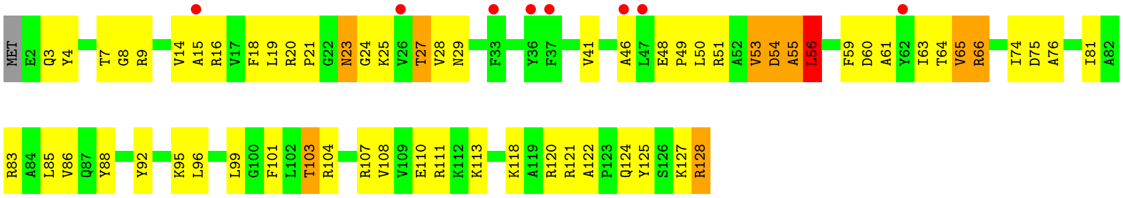
Chain CH:



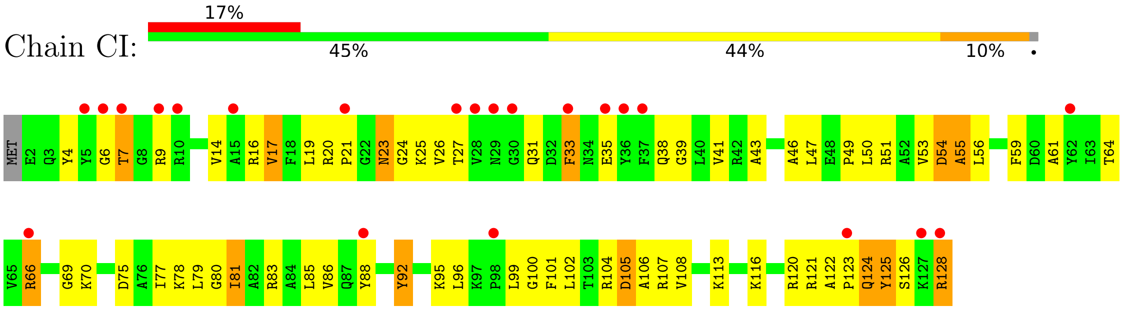
- Molecule 9: 30S Ribosomal Protein S9

Chain AI:

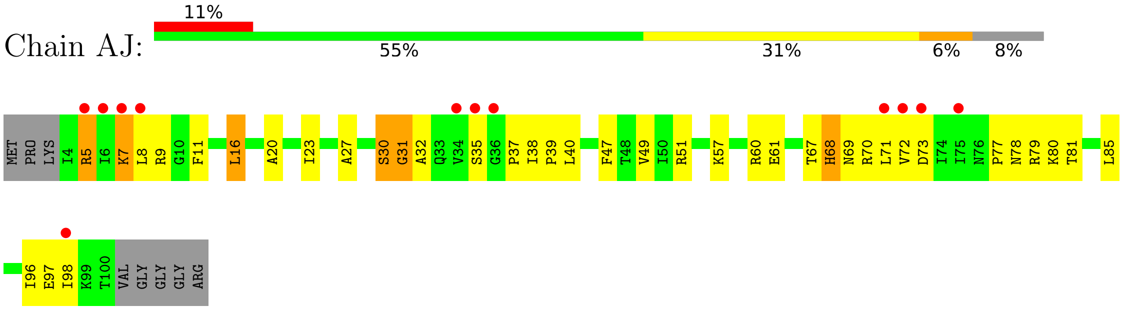




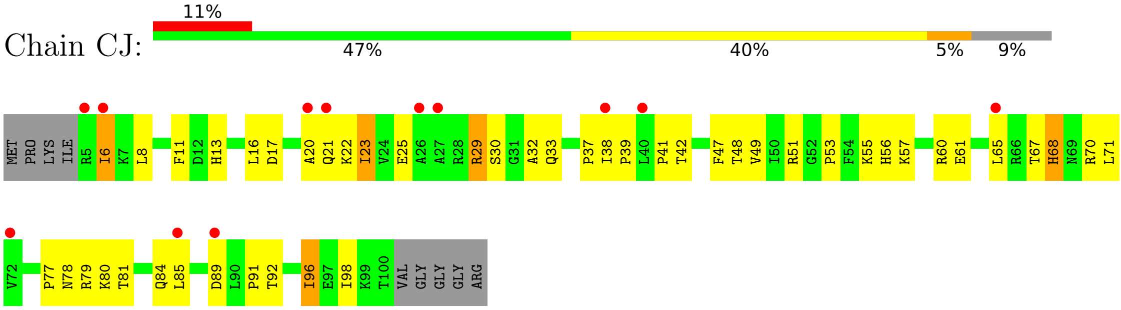
- Molecule 9: 30S Ribosomal Protein S9



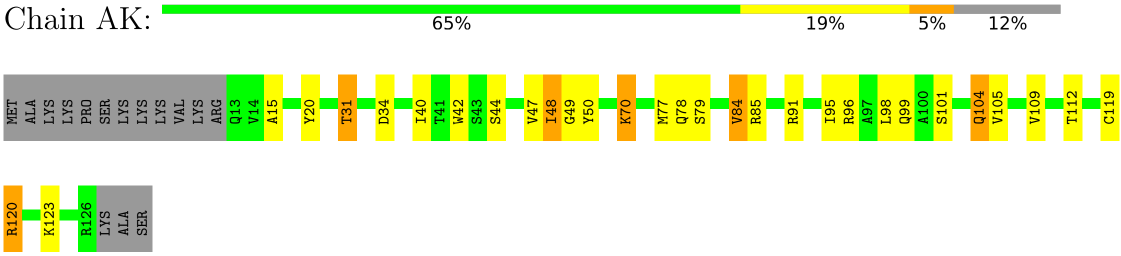
- Molecule 10: 30S Ribosomal Protein S10



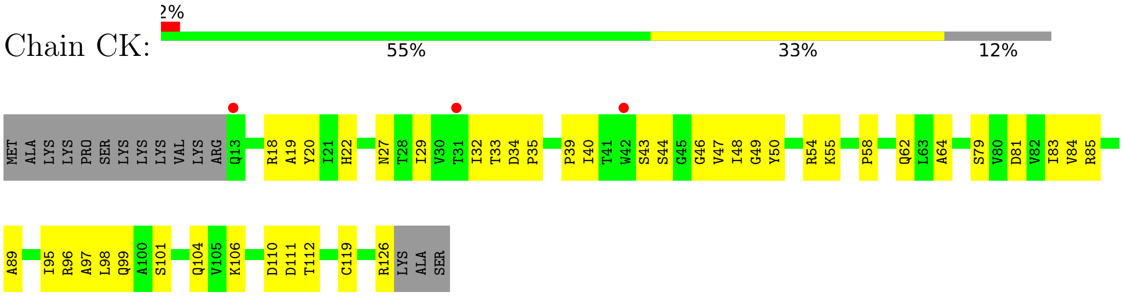
- Molecule 10: 30S Ribosomal Protein S10



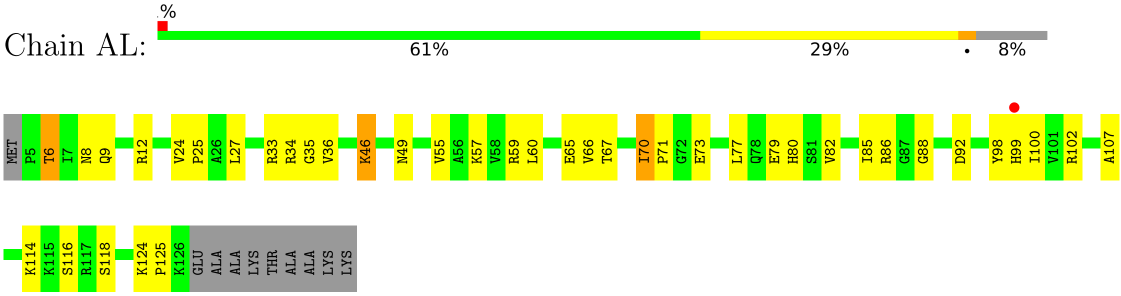
- Molecule 11: 30S Ribosomal Protein S11



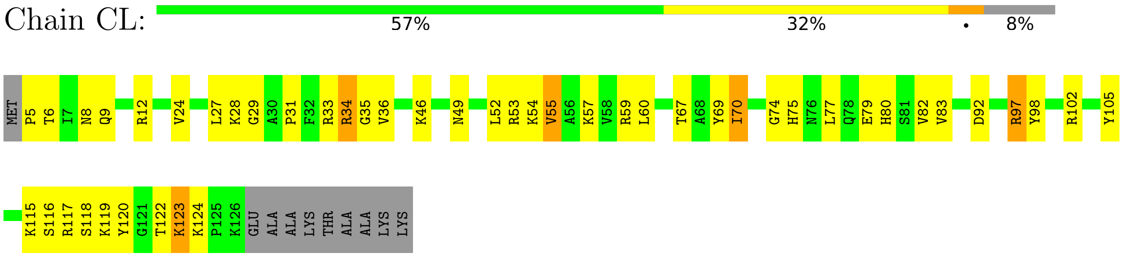
- Molecule 11: 30S Ribosomal Protein S11



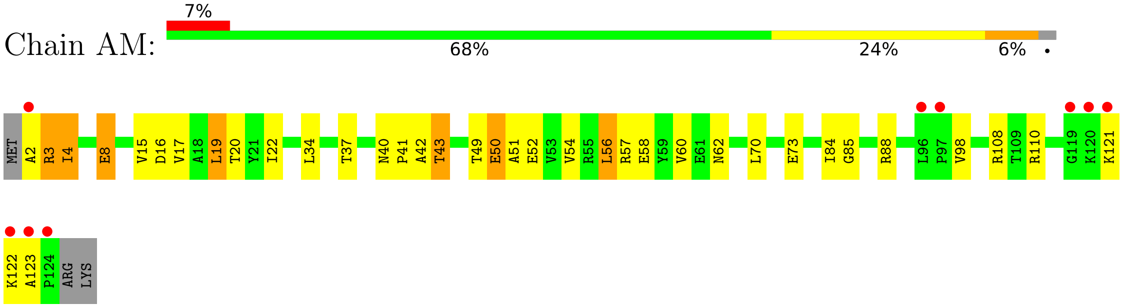
- Molecule 12: 30S Ribosomal Protein S12



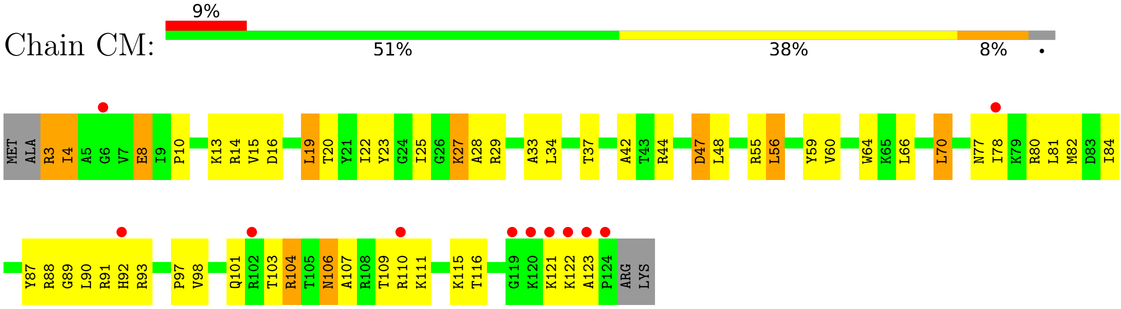
- Molecule 12: 30S Ribosomal Protein S12



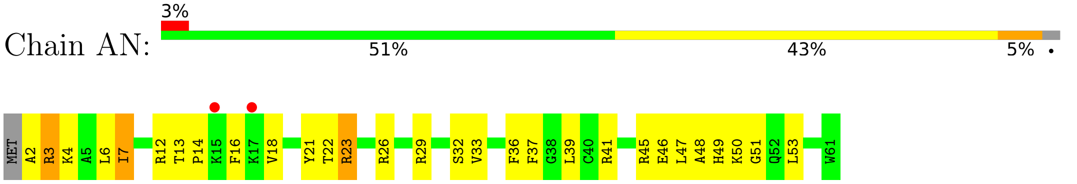
- Molecule 13: 30S Ribosomal Protein S13



- Molecule 13: 30S Ribosomal Protein S13

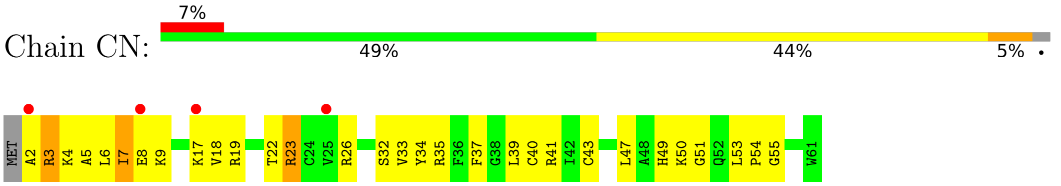


- Molecule 14: 30S Ribosomal Protein S14



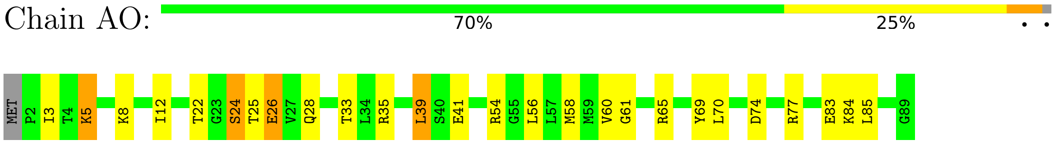
- Molecule 14: 30S Ribosomal Protein S14

Chain CN:



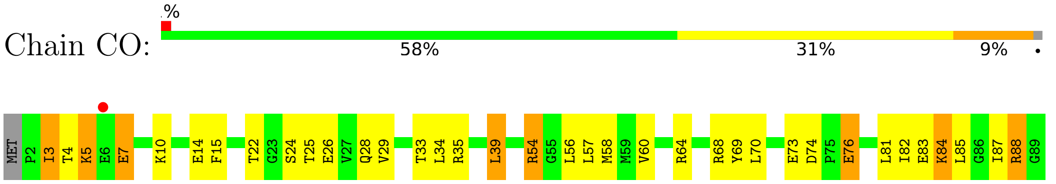
- Molecule 15: 30S Ribosomal Protein S15

Chain AO:



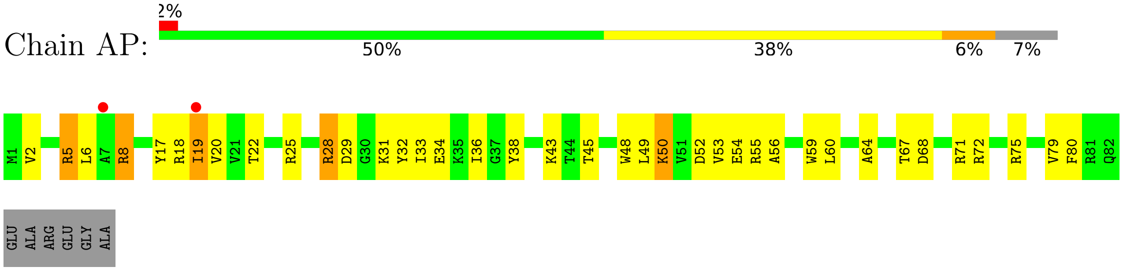
- Molecule 15: 30S Ribosomal Protein S15

Chain CO:



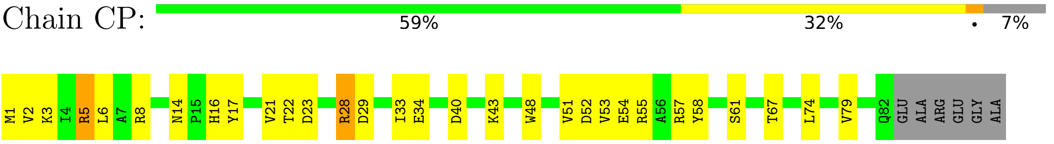
- Molecule 16: 30S Ribosomal Protein S16

Chain AP:



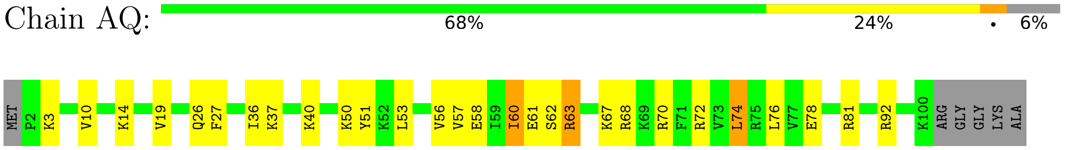
- Molecule 16: 30S Ribosomal Protein S16

Chain CP:



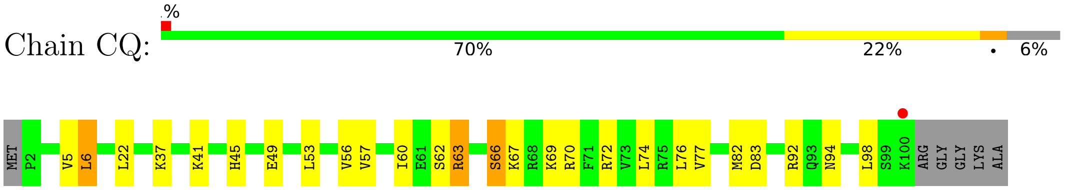
- Molecule 17: 30S Ribosomal Protein S17

Chain AQ:



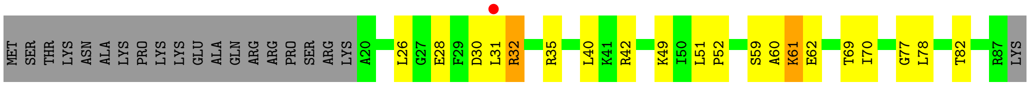
- Molecule 17: 30S Ribosomal Protein S17

Chain CQ:



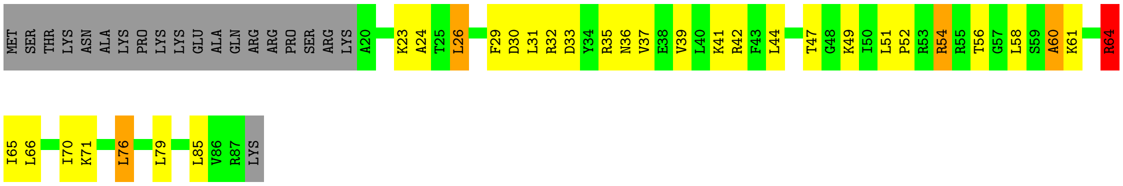
- Molecule 18: 30S Ribosomal Protein S18

Chain AR:



- Molecule 18: 30S Ribosomal Protein S18

Chain CR:

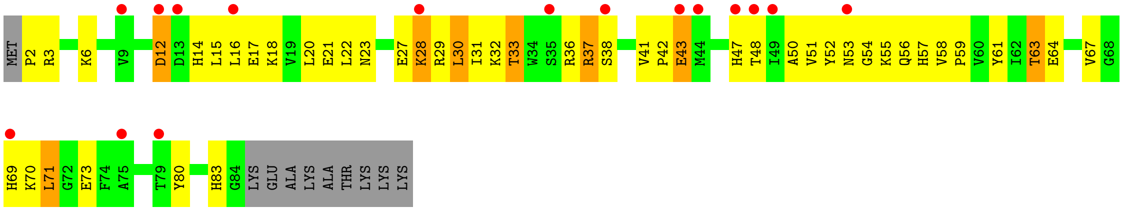


- Molecule 19: 30S Ribosomal Protein S19

Chain AS:

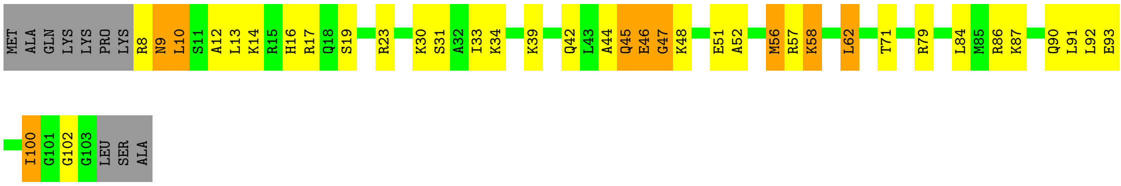
- Molecule 19: 30S Ribosomal Protein S19

Chain CS:



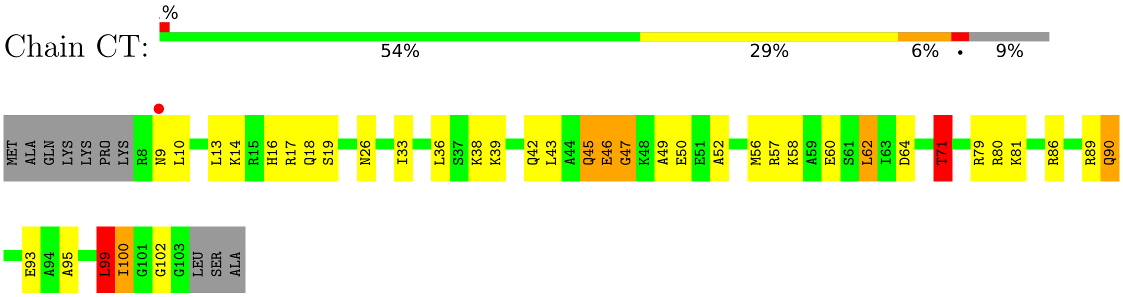
- Molecule 20: 30S Ribosomal Protein S20

Chain AT:



- Molecule 20: 30S Ribosomal Protein S20

Chain CT:

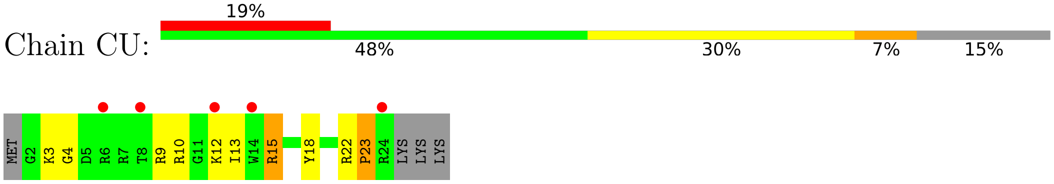


- Molecule 21: 30S Ribosomal Protein THX

Chain AU:

- Molecule 21: 30S Ribosomal Protein THX

Chain CU:



- Molecule 22: mRNA

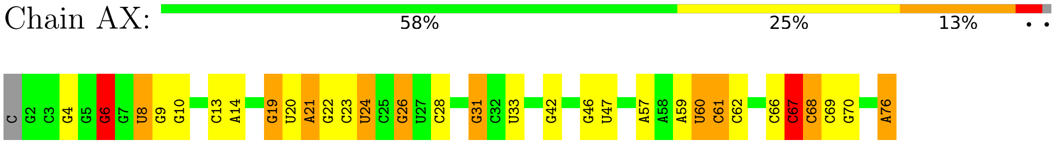
Chain AV:

- Molecule 22: mRNA

Chain CV:

- Molecule 23: P-site tRNA

Chain AX:



- Molecule 23: P-site tRNA

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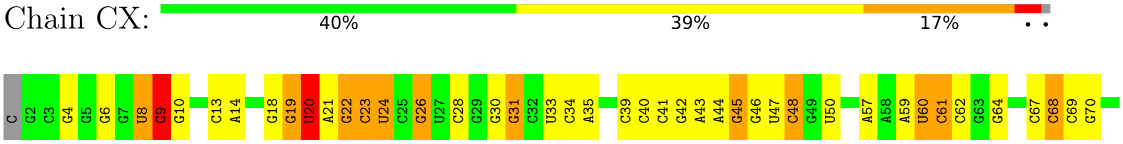
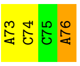
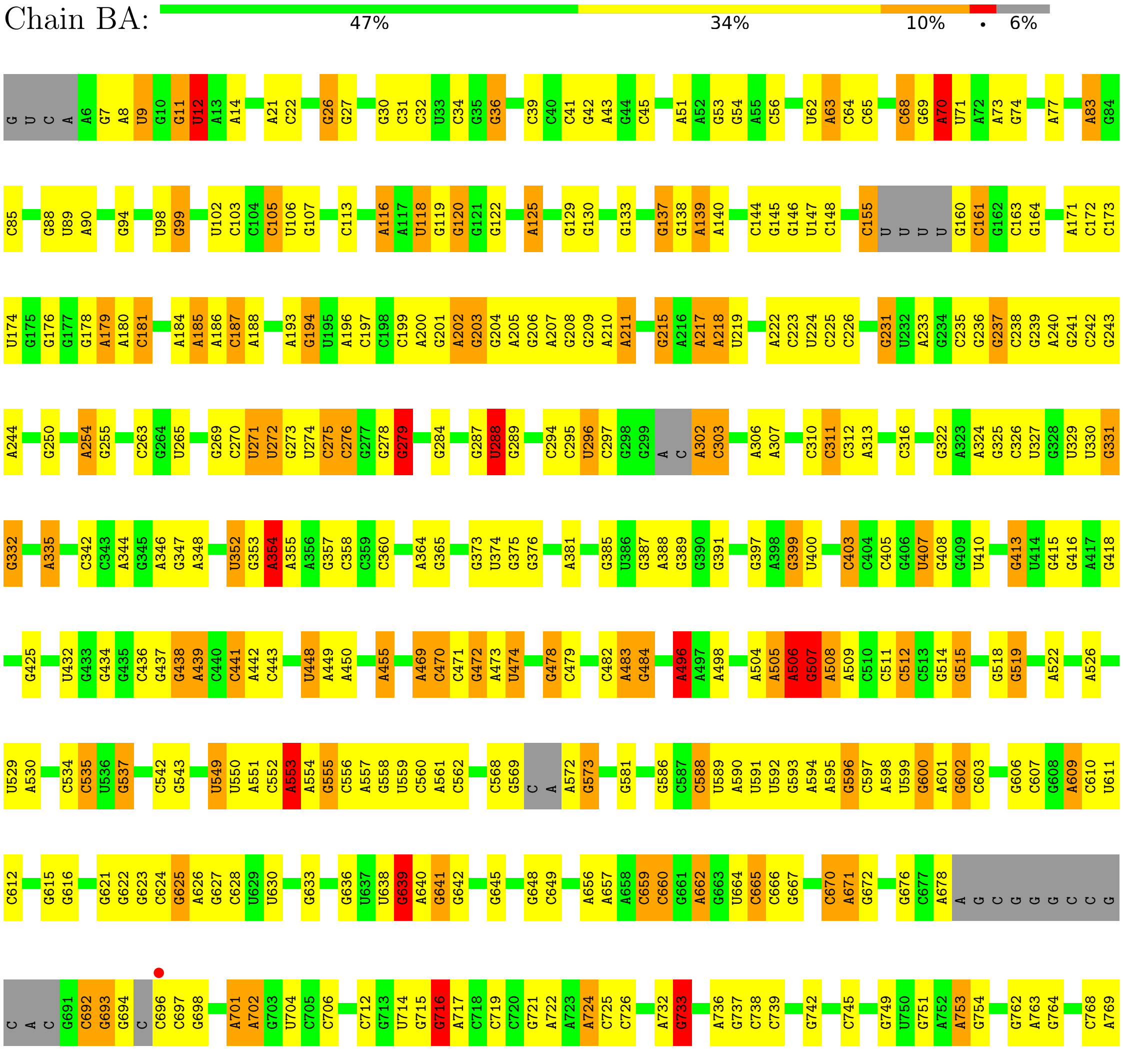


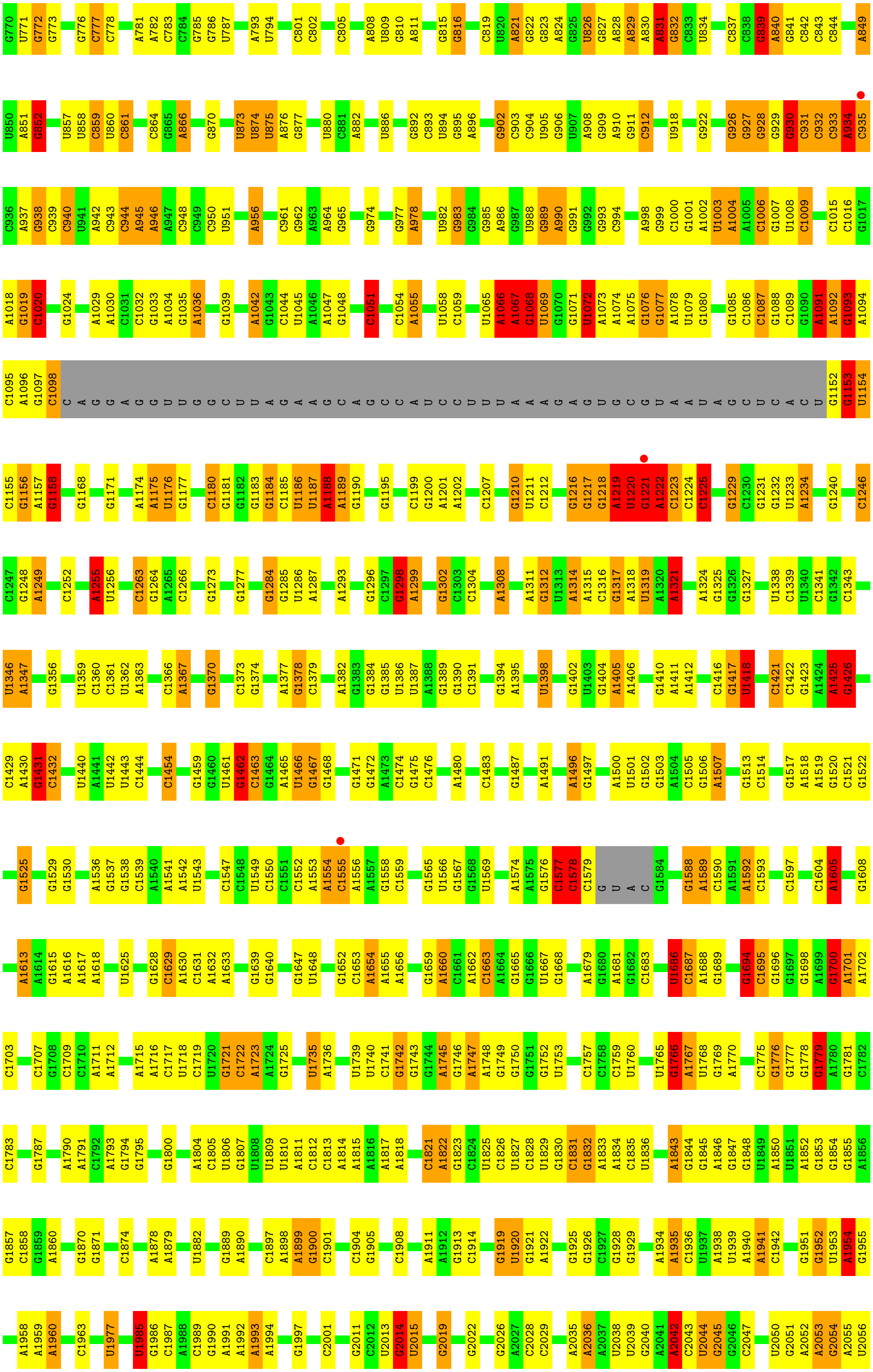


- Molecule 24: GE82832

- Molecule 24: GE82832

- Molecule 25: 23S Ribosomal RNA

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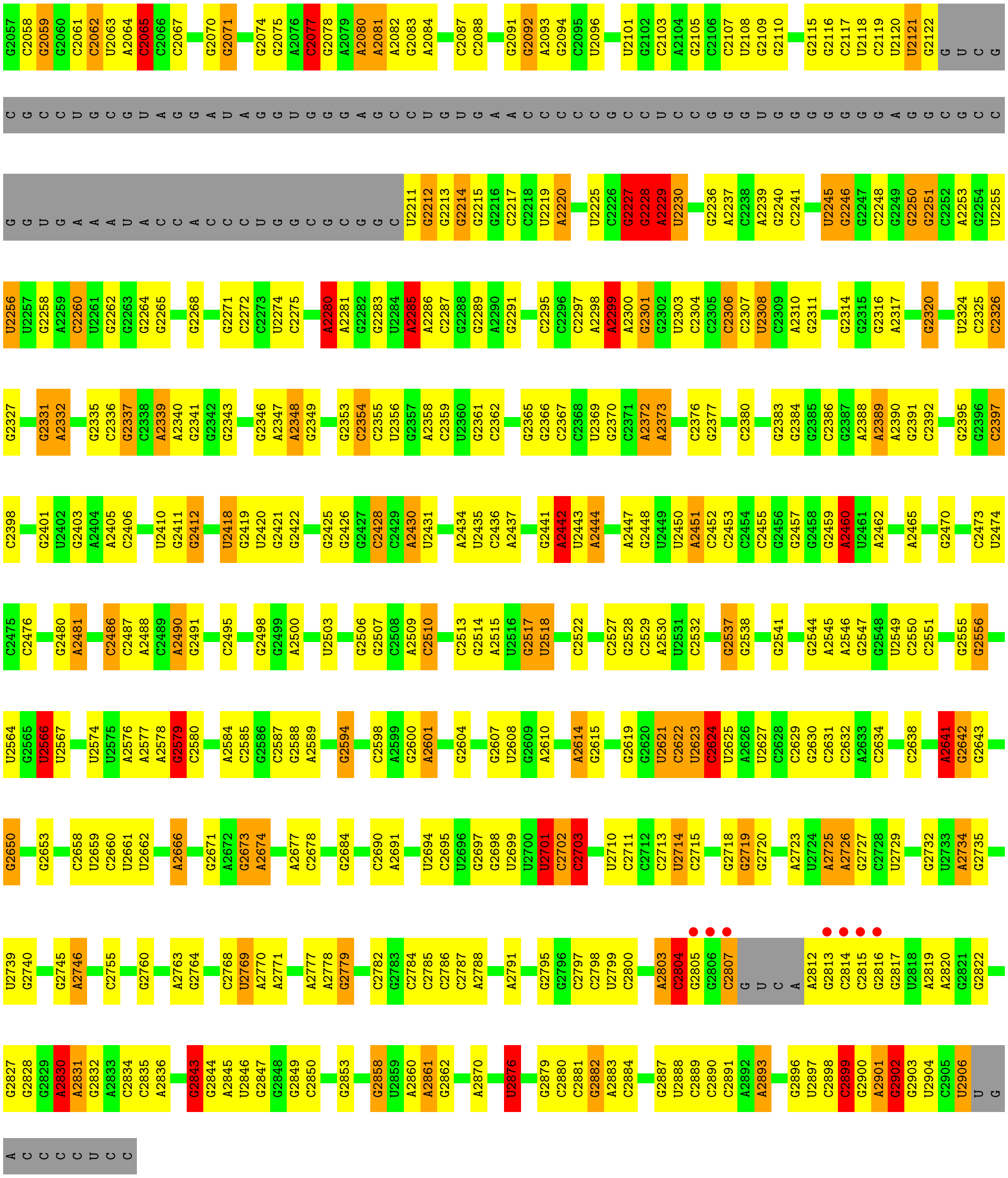

- Molecule 25: 23S Ribosomal RNA

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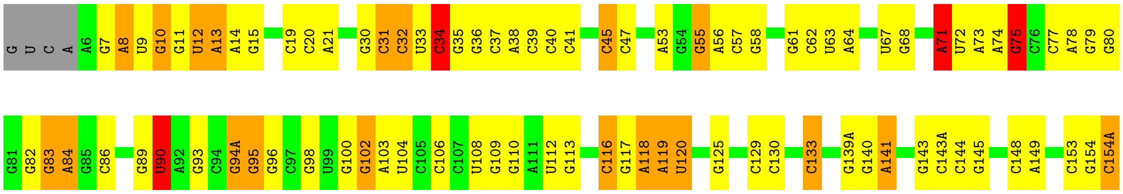

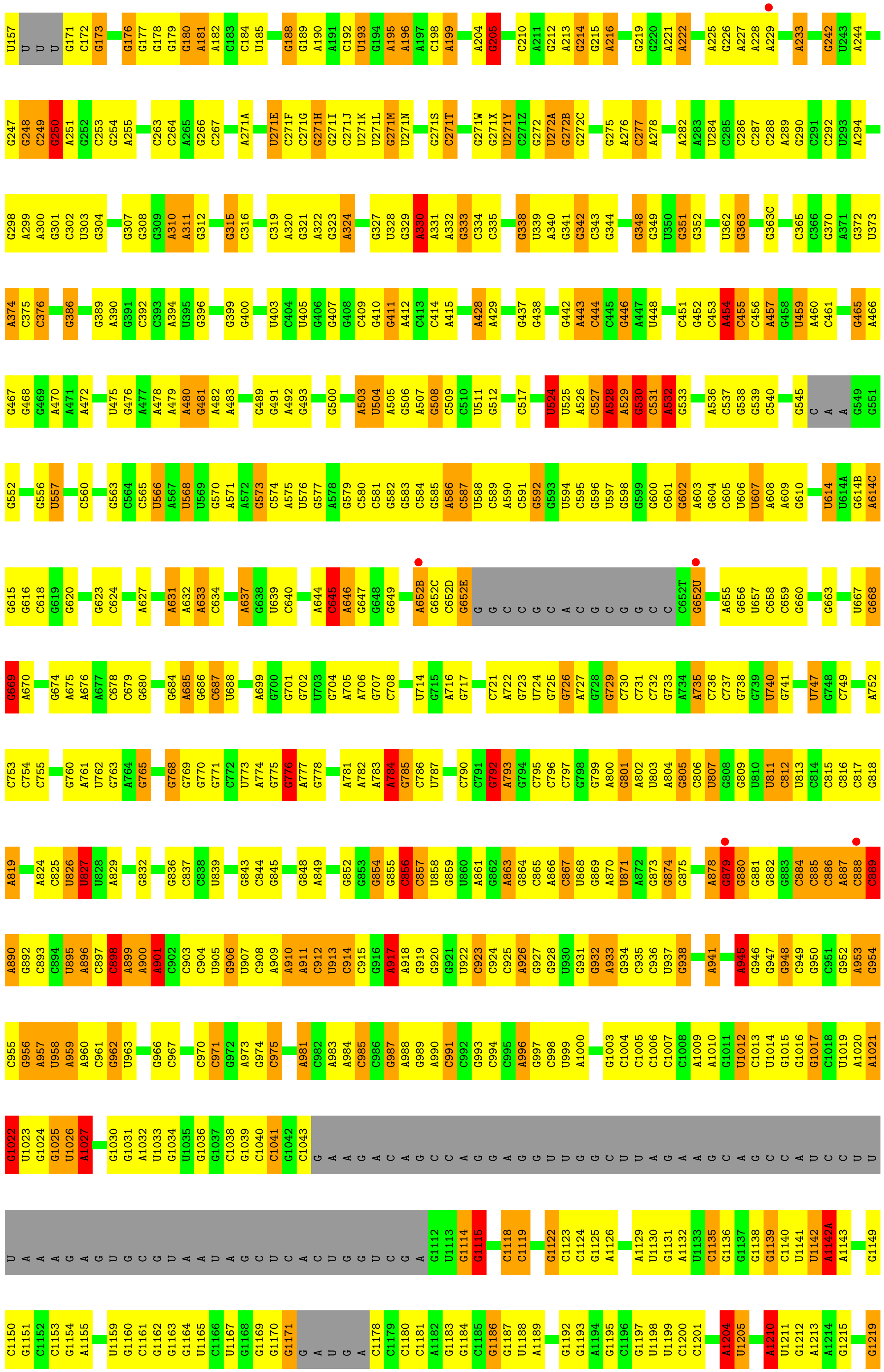
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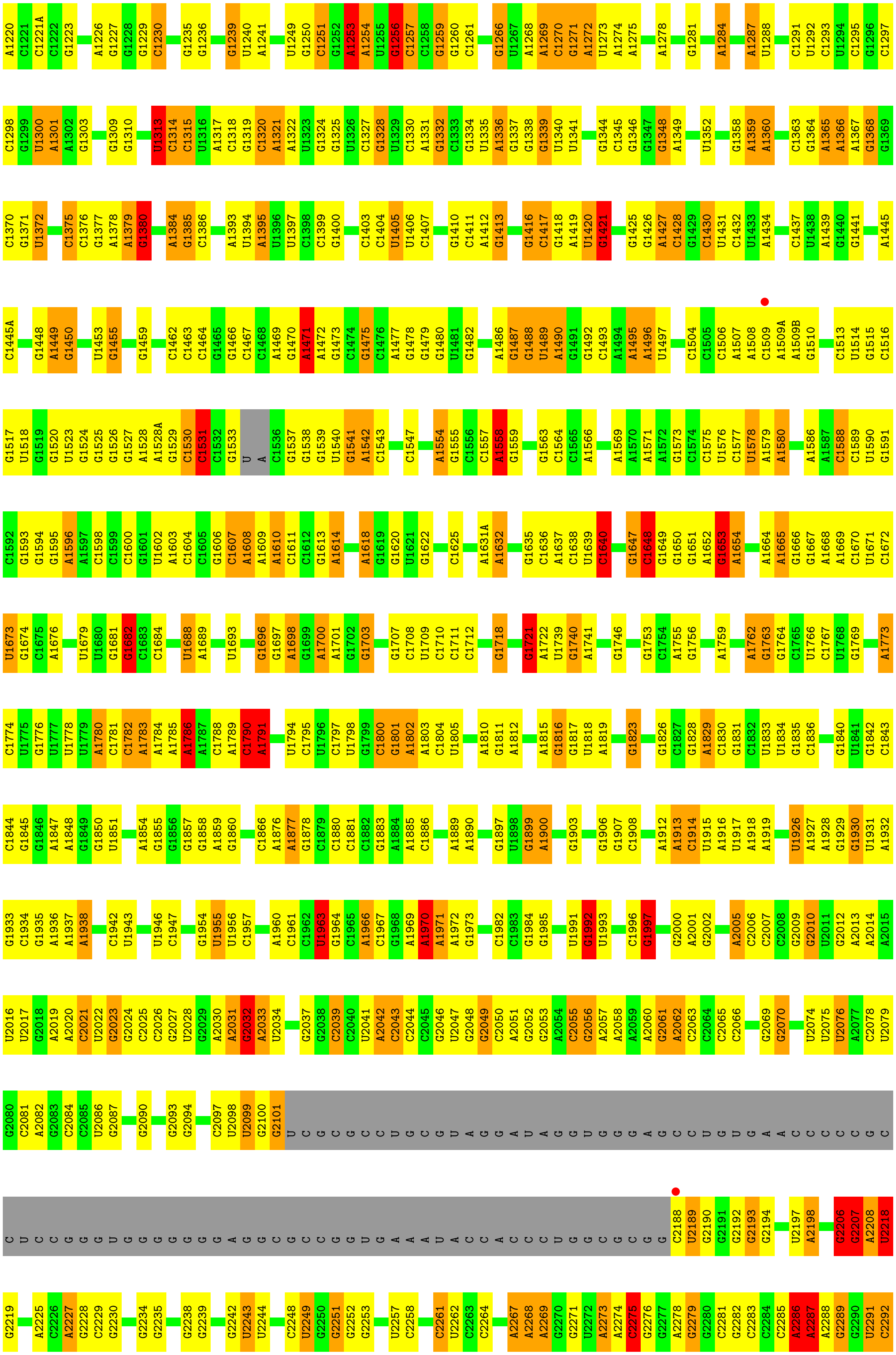
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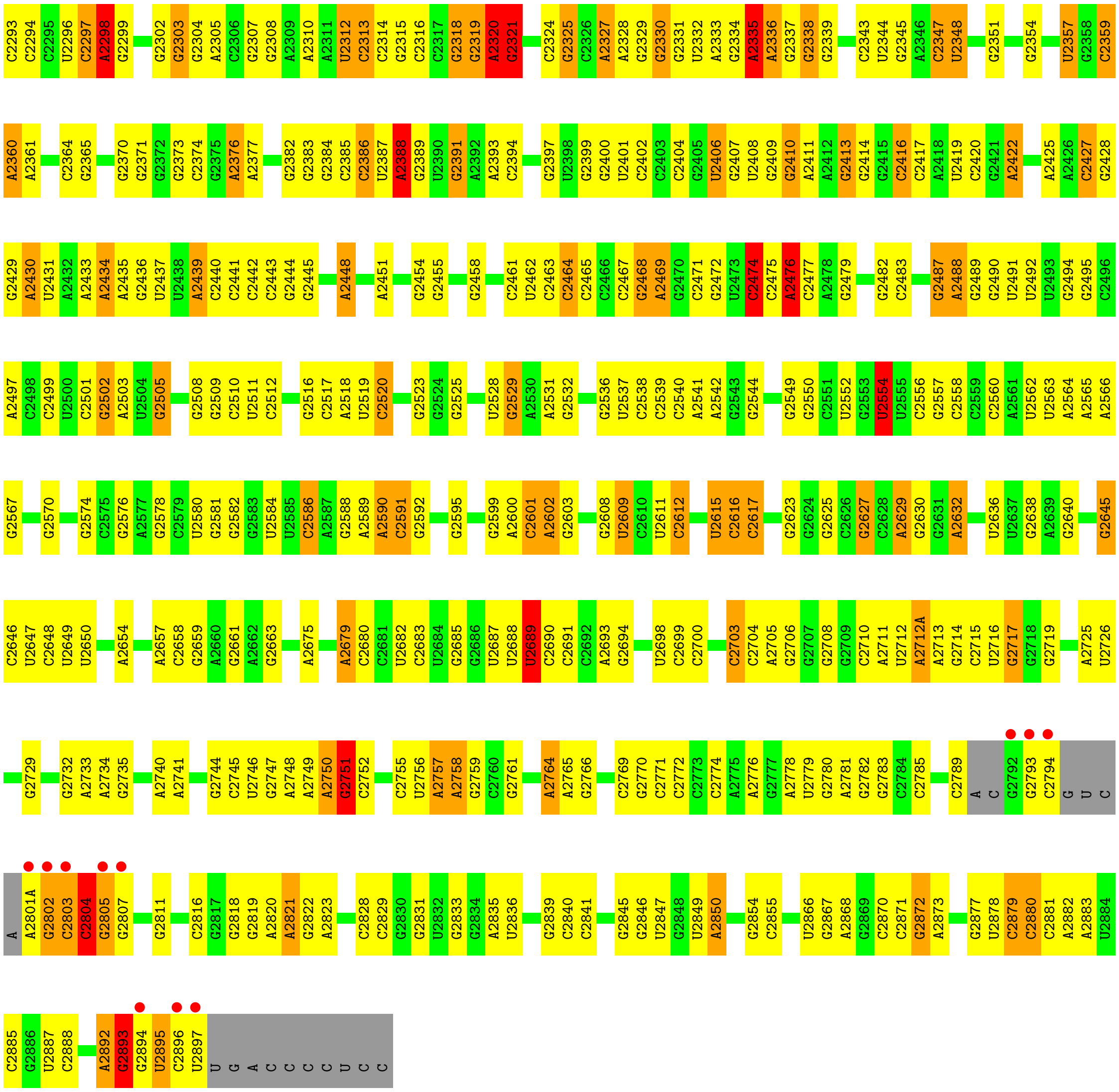

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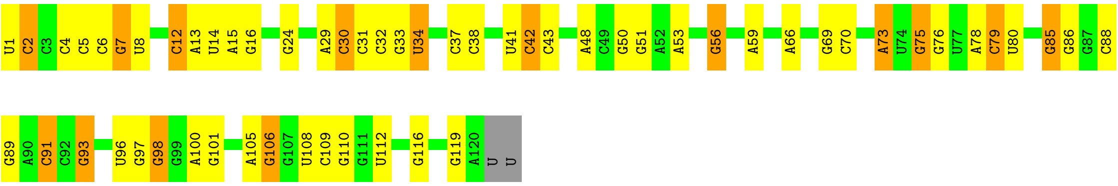

- Molecule 26: 5S Ribosomal RNA

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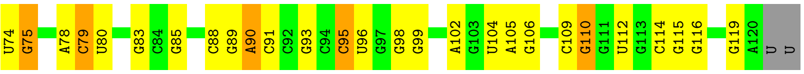

- Molecule 27: 50S Ribosomal Protein L2

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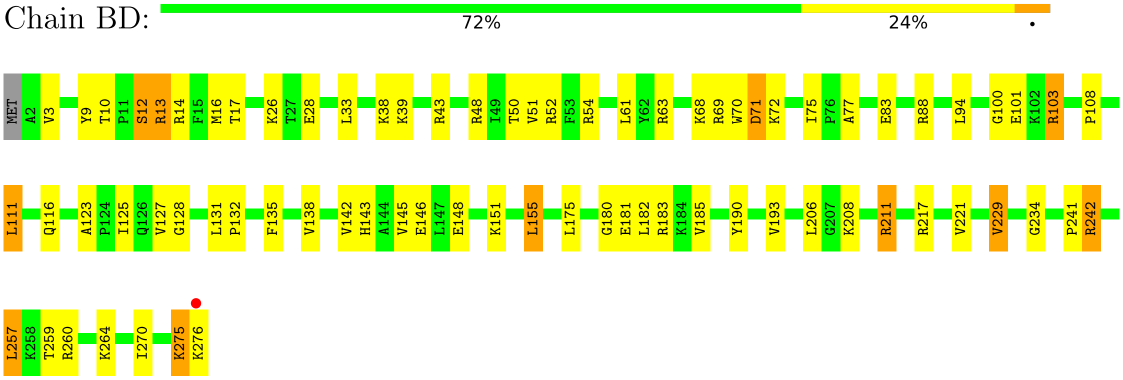

- Molecule 27: 50S Ribosomal Protein L2

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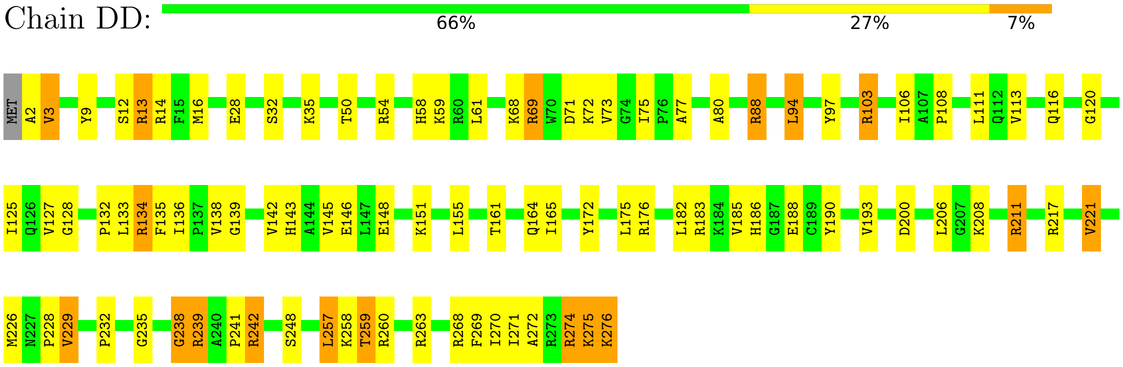

- Molecule 28: 50S Ribosomal Protein L3

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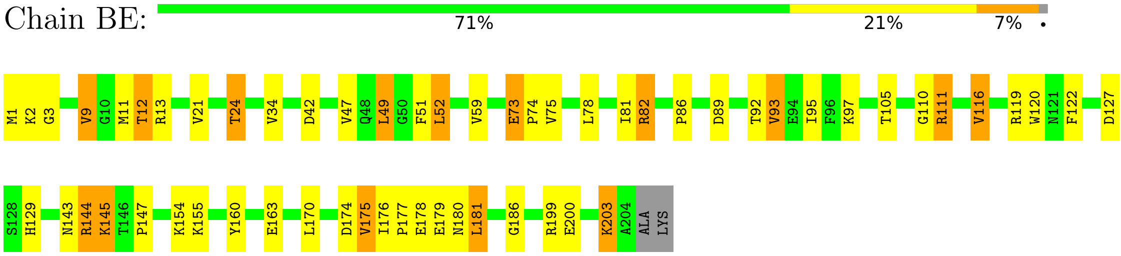

- Molecule 28: 50S Ribosomal Protein L3

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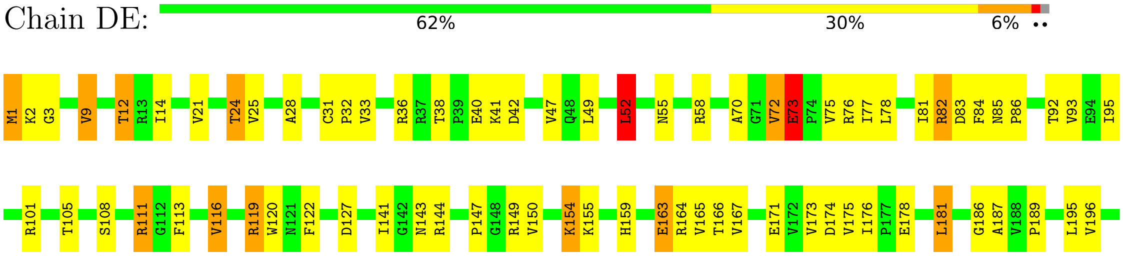
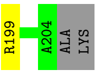
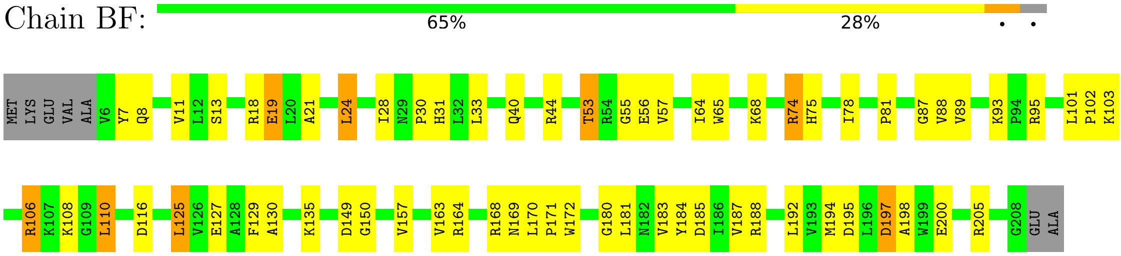
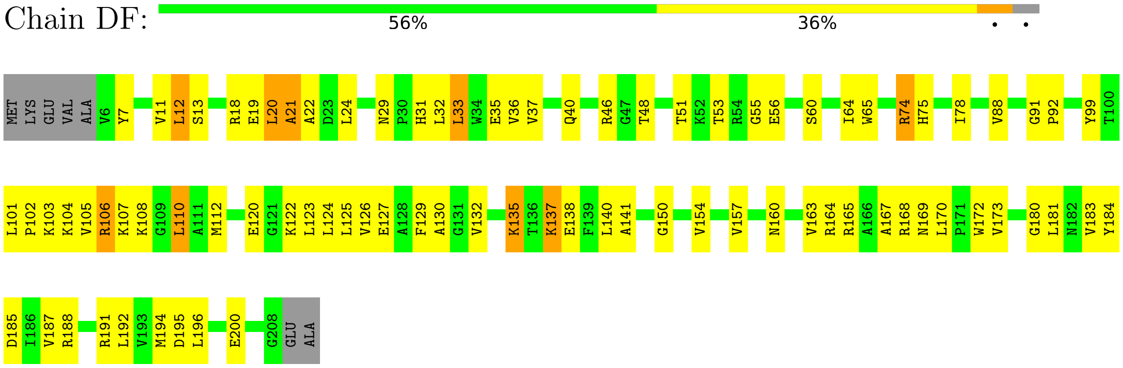




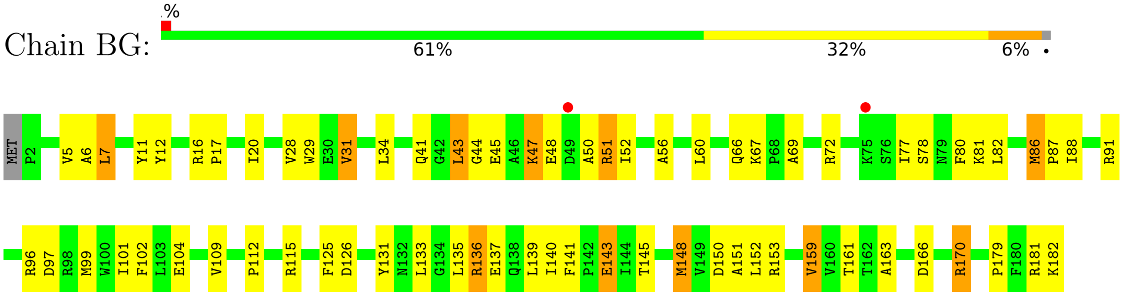
- Molecule 29: 50S Ribosomal Protein L4



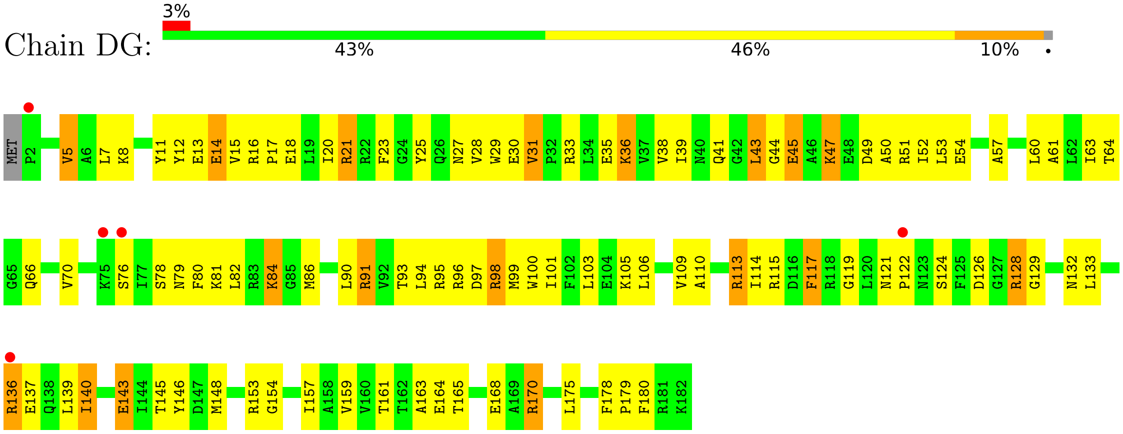
- Molecule 29: 50S Ribosomal Protein L4



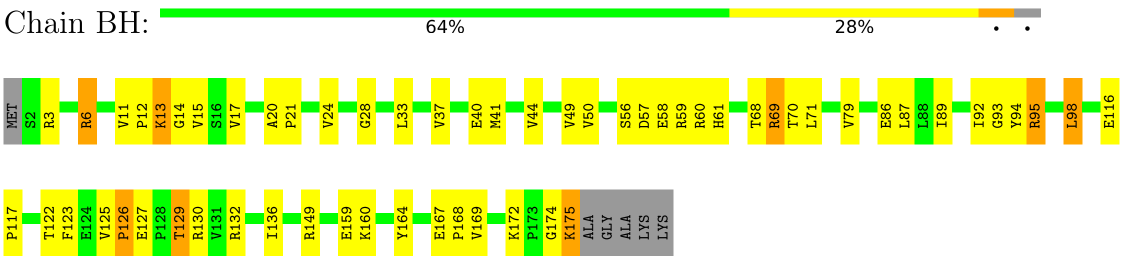
- Molecule 30: 50S Ribosomal Protein L5



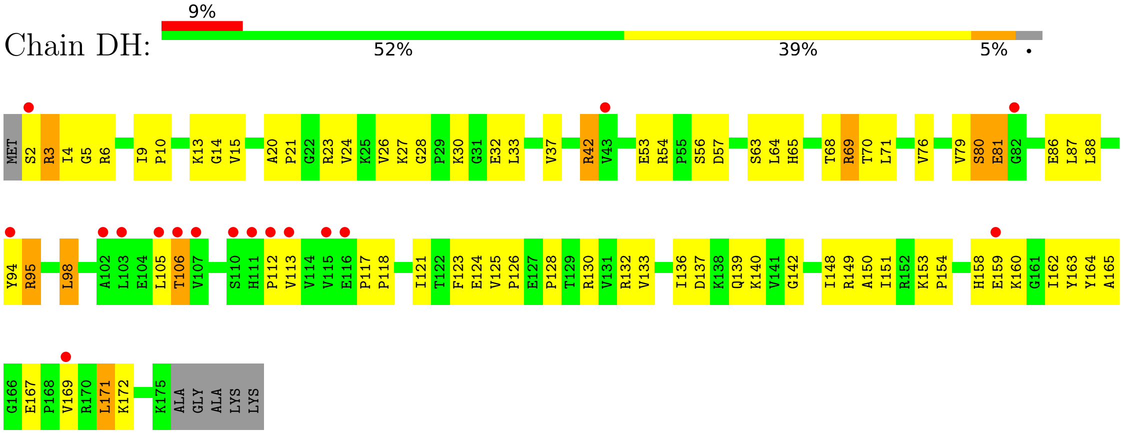
- Molecule 30: 50S Ribosomal Protein L5



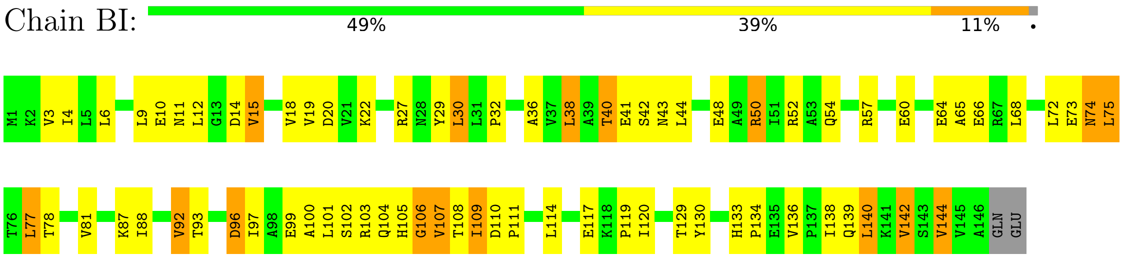
- Molecule 31: 50S Ribosomal Protein L6



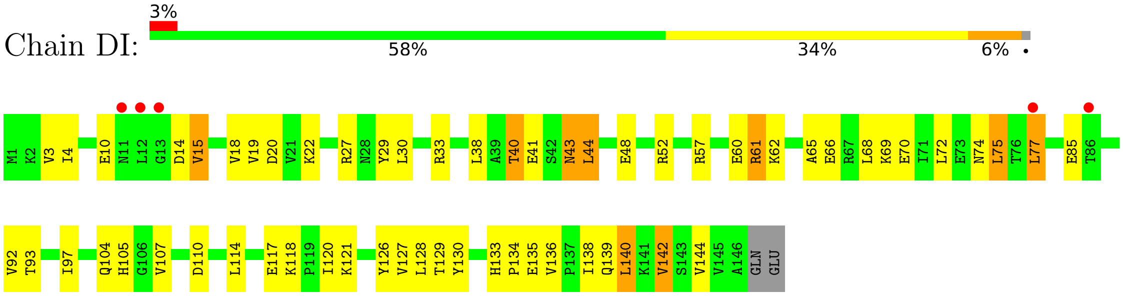
- Molecule 31: 50S Ribosomal Protein L6



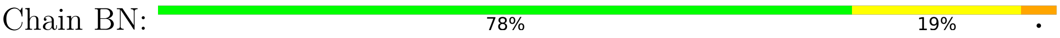
- Molecule 32: 50S Ribosomal Protein L9

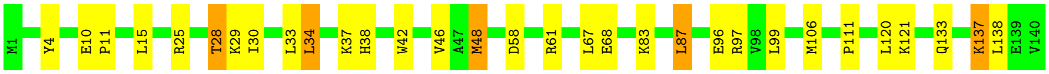


- Molecule 32: 50S Ribosomal Protein L9



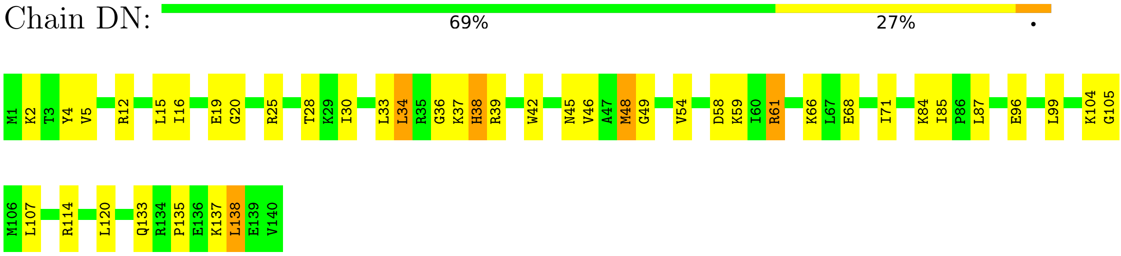
- Molecule 33: 50S Ribosomal Protein L13





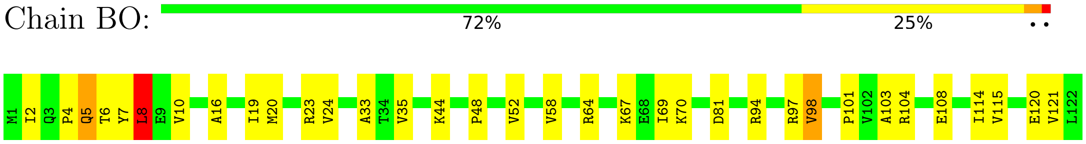
- Molecule 33: 50S Ribosomal Protein L13

Chain DN:



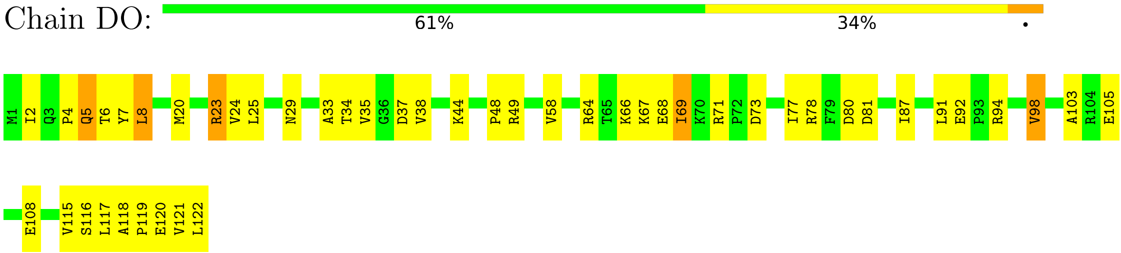
- Molecule 34: 50S Ribosomal Protein L14

Chain BO:



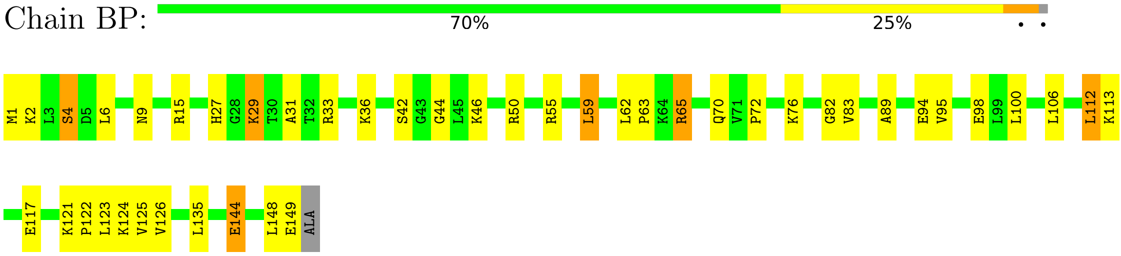
- Molecule 34: 50S Ribosomal Protein L14

Chain DO:



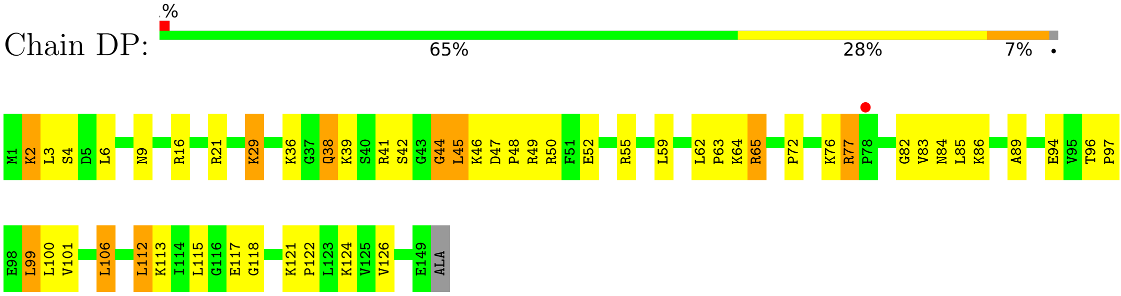
- Molecule 35: 50S Ribosomal Protein L15

Chain BP:

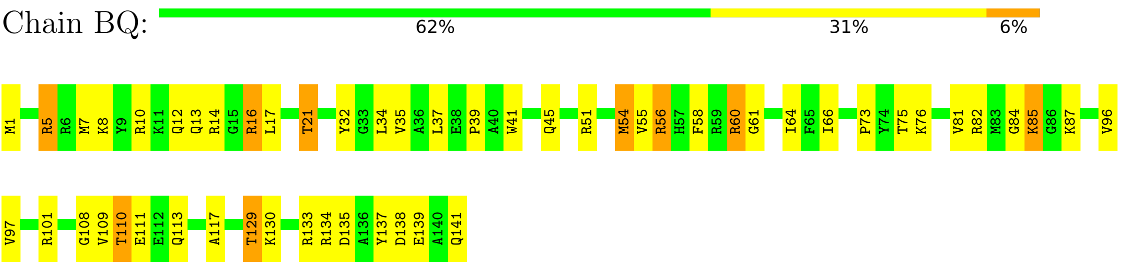


- Molecule 35: 50S Ribosomal Protein L15

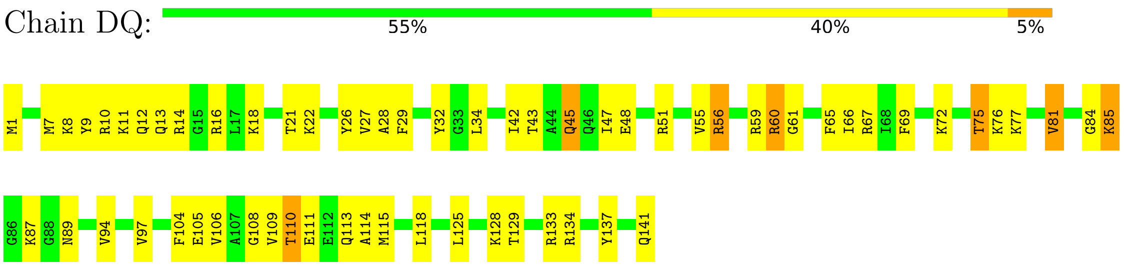
Chain DP:



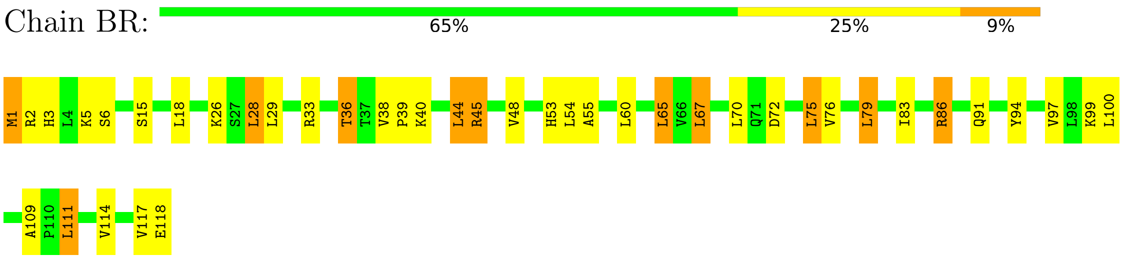
- Molecule 36: 50S Ribosomal Protein L16



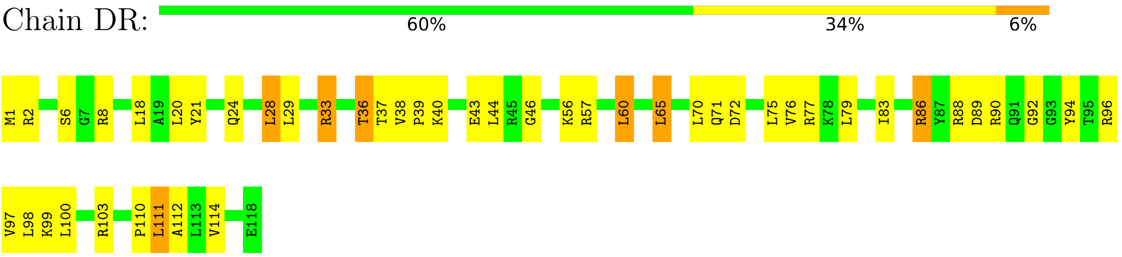
- Molecule 36: 50S Ribosomal Protein L16



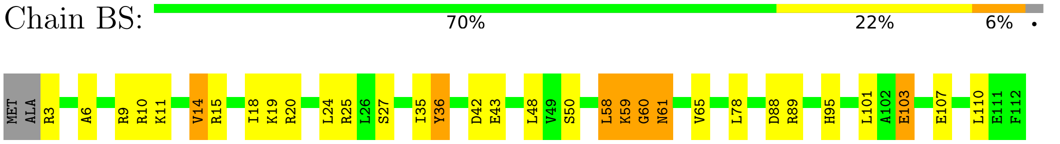
- Molecule 37: 50S Ribosomal Protein L17



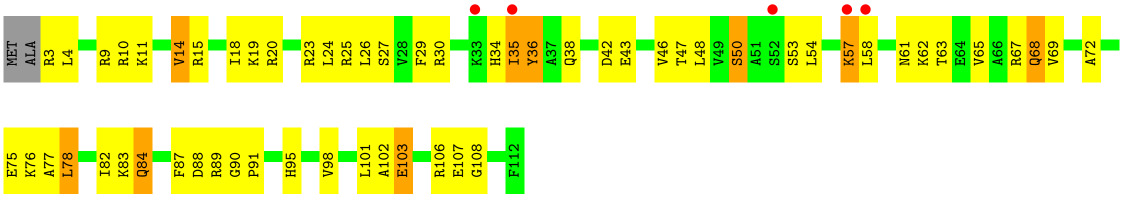
- Molecule 37: 50S Ribosomal Protein L17



- Molecule 38: 50S Ribosomal Protein L18

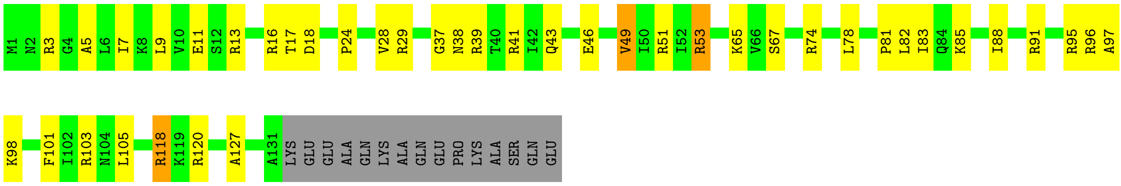


- Molecule 38: 50S Ribosomal Protein L18



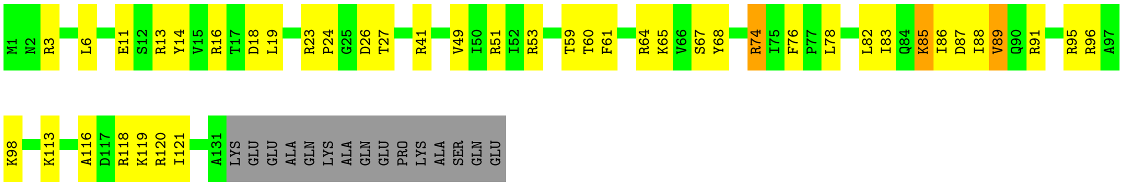
- Molecule 39: 50S Ribosomal Protein L19

Chain BT:



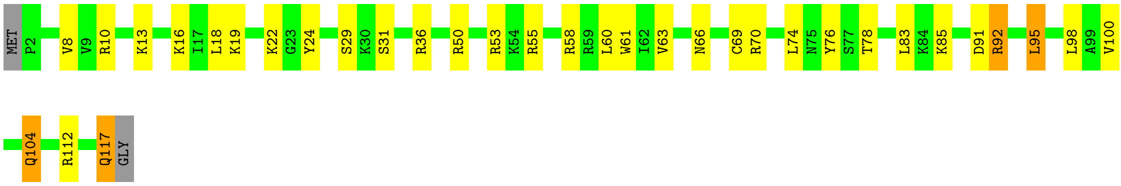
- Molecule 39: 50S Ribosomal Protein L19

Chain DT:



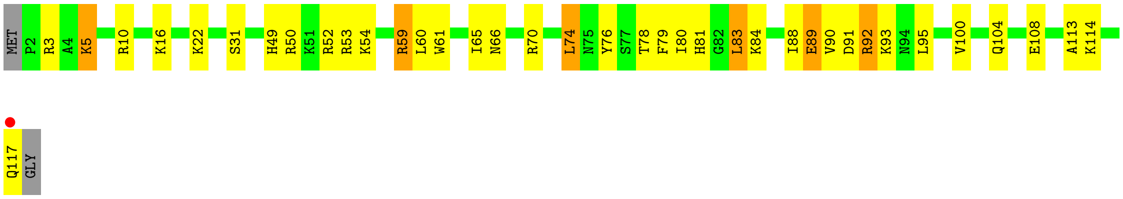
- Molecule 40: 50S Ribosomal Protein L20

Chain BU:



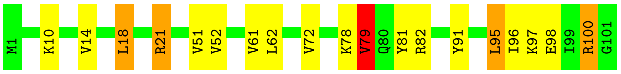
- Molecule 40: 50S Ribosomal Protein L20

Chain DU:



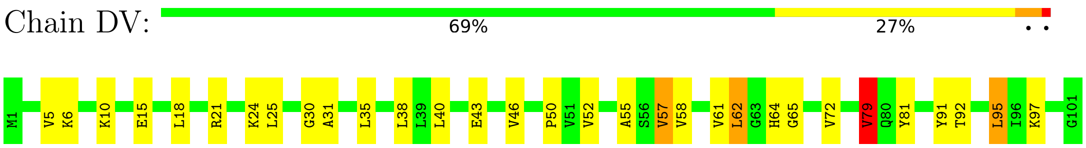
- Molecule 41: 50S Ribosomal Protein L21

Chain BV:



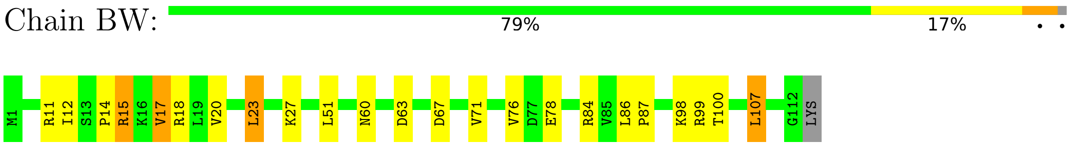
- Molecule 41: 50S Ribosomal Protein L21

Chain DV:



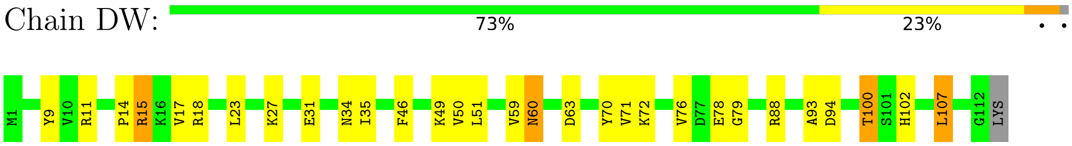
- Molecule 42: 50S Ribosomal Protein L22

Chain BW:



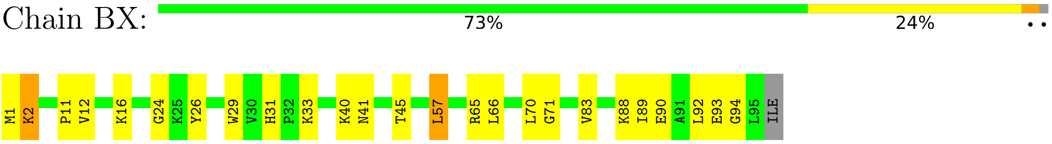
- Molecule 42: 50S Ribosomal Protein L22

Chain DW:



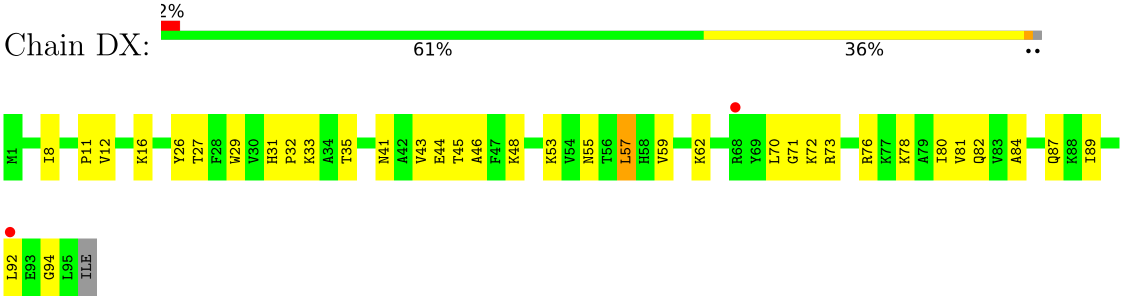
- Molecule 43: 50S Ribosomal Protein L23

Chain BX:



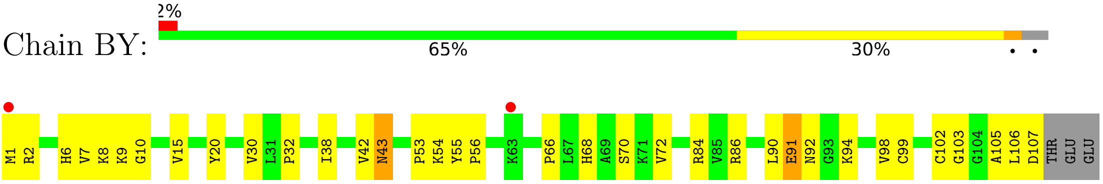
- Molecule 43: 50S Ribosomal Protein L23

Chain DX:



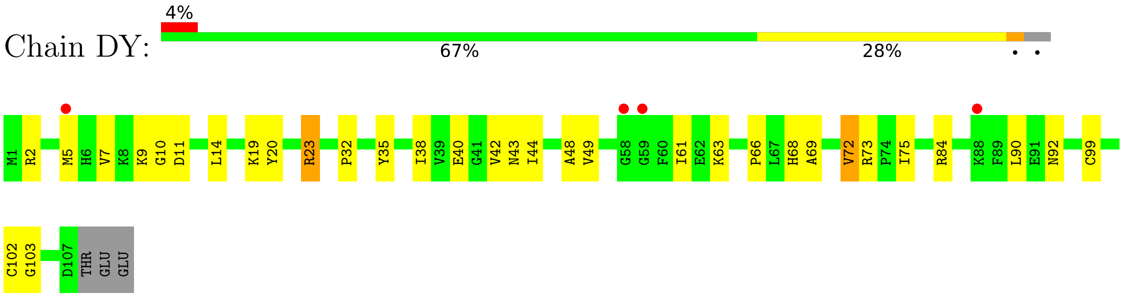
- Molecule 44: 50S Ribosomal Protein L24

Chain BY:



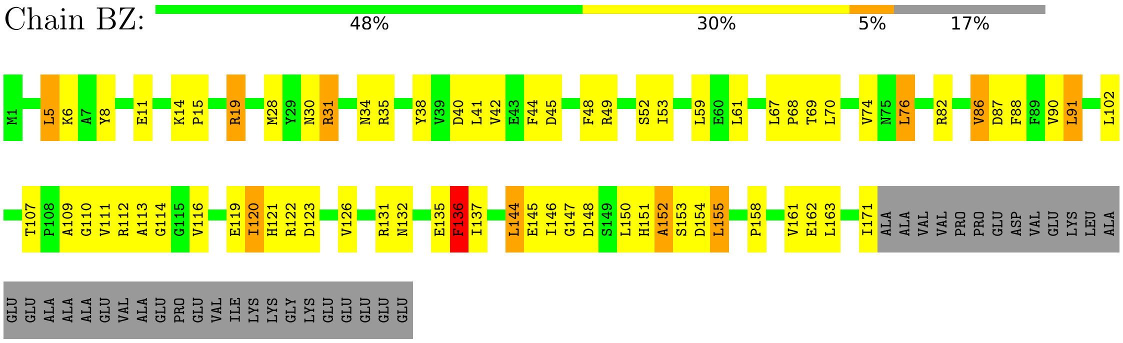
- Molecule 44: 50S Ribosomal Protein L24

Chain DY:



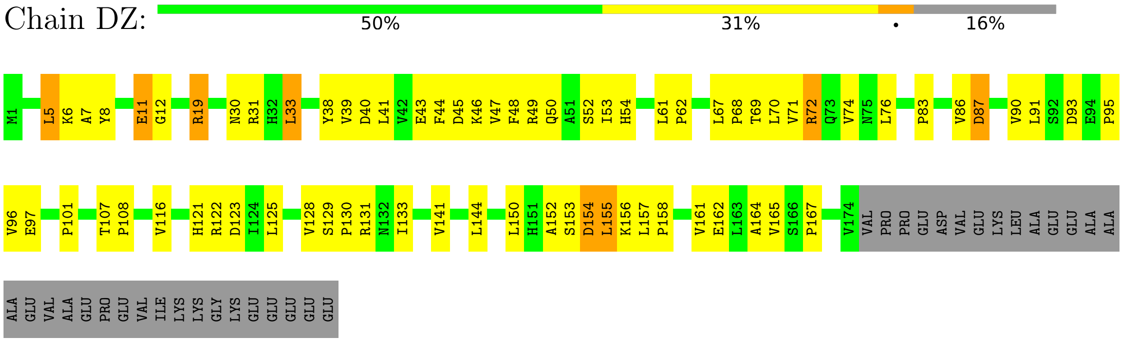
- Molecule 45: 50S Ribosomal Protein L25

Chain BZ:



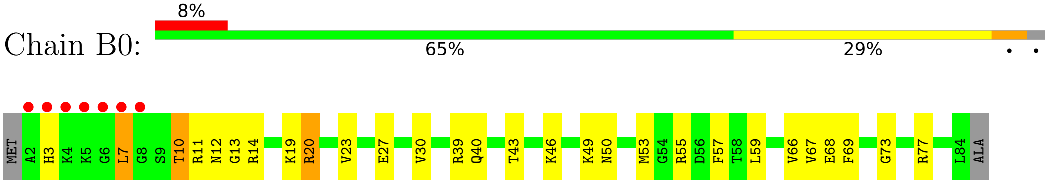
- Molecule 45: 50S Ribosomal Protein L25

Chain DZ:



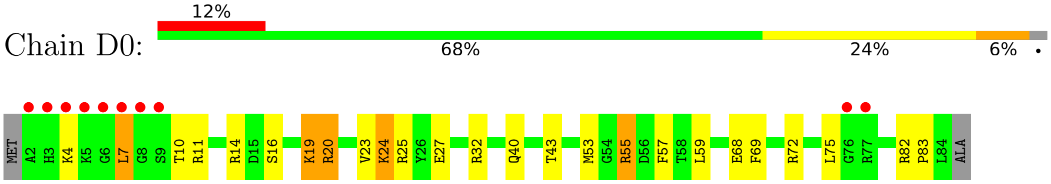
- Molecule 46: 50S Ribosomal Protein L27

Chain B0:



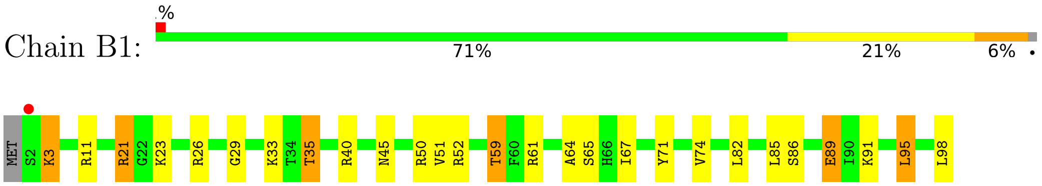
- Molecule 46: 50S Ribosomal Protein L27

Chain D0:



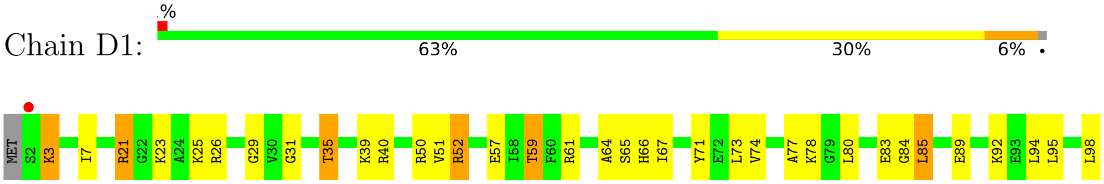
- Molecule 47: 50S Ribosomal Protein L28

Chain B1:



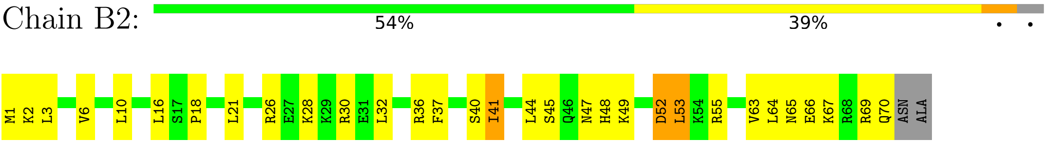
- Molecule 47: 50S Ribosomal Protein L28

Chain D1:



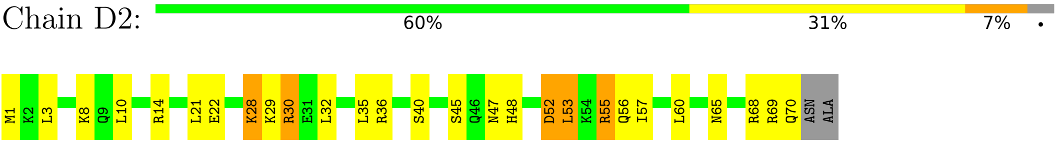
- Molecule 48: 50S Ribosomal Protein L29

Chain B2:



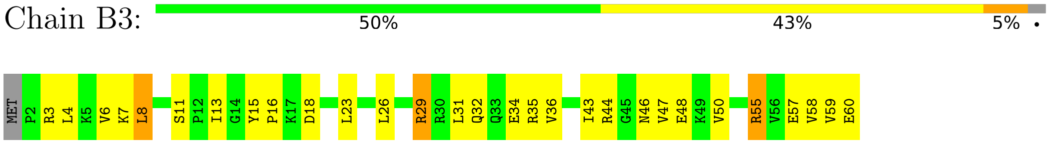
- Molecule 48: 50S Ribosomal Protein L29

Chain D2:



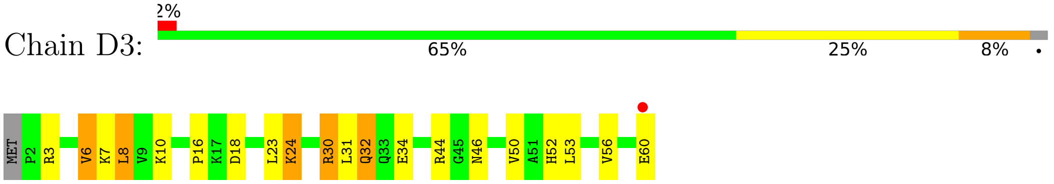
- Molecule 49: 50S Ribosomal Protein L30

Chain B3:



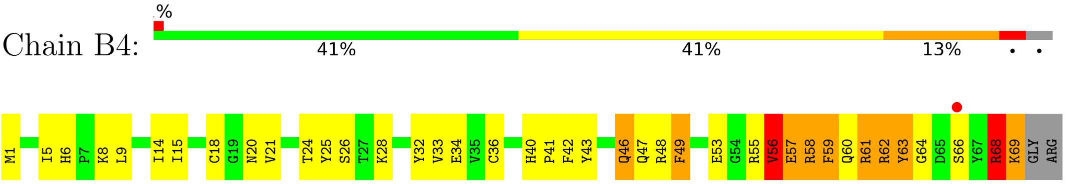
- Molecule 49: 50S Ribosomal Protein L30

Chain D3:



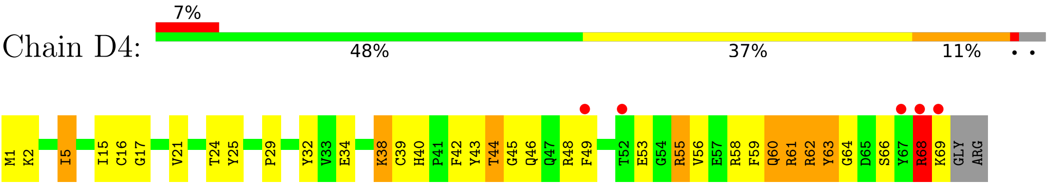
- Molecule 50: 50S Ribosomal Protein L31

Chain B4:



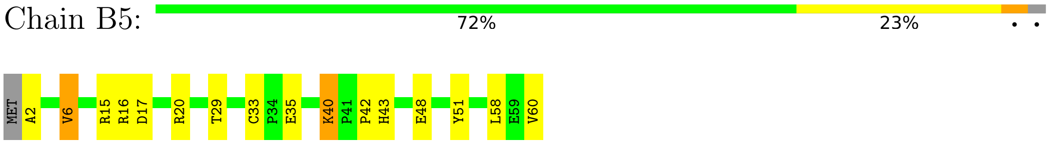
- Molecule 50: 50S Ribosomal Protein L31

Chain D4:



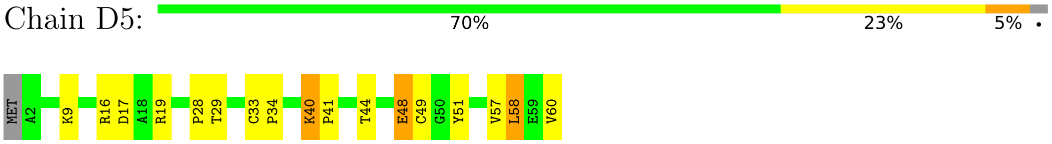
- Molecule 51: 50S Ribosomal Protein L32

Chain B5:



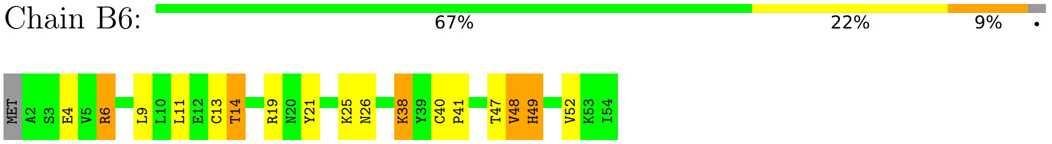
- Molecule 51: 50S Ribosomal Protein L32

Chain D5:



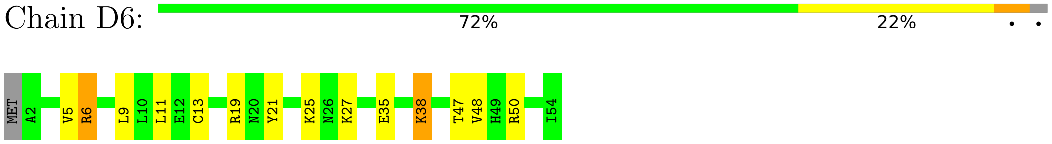
- Molecule 52: 50S Ribosomal Protein L33

Chain B6:



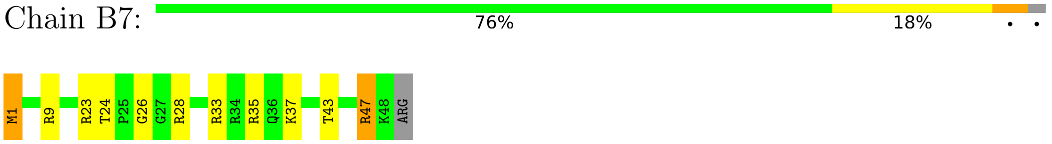
- Molecule 52: 50S Ribosomal Protein L33

Chain D6:



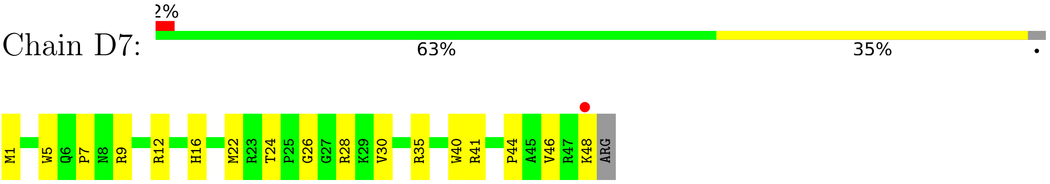
- Molecule 53: 50S Ribosomal Protein L34

Chain B7:



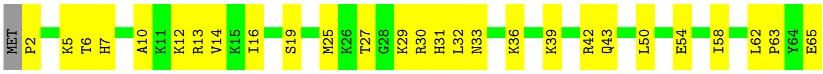
- Molecule 53: 50S Ribosomal Protein L34

Chain D7:



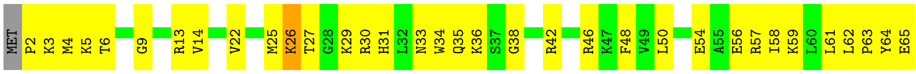
- Molecule 54: 50S Ribosomal Protein L35

Chain B8:



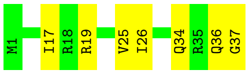
- Molecule 54: 50S Ribosomal Protein L35

Chain D8:



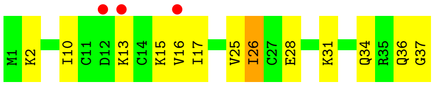
- Molecule 55: 50S Ribosomal Protein L36

Chain B9:



- Molecule 55: 50S Ribosomal Protein L36

Chain D9:



4 Data and refinement statistics ⓘ

Property	**Value**	**Source**
Space group	P 21 21 21	Depositor
Cell constants a, b, c, α, β, γ	209.68Å 450.64Å 622.54Å 90.00° 90.00° 90.00°	Depositor
Resolution (Å)	49.68 – 3.10 49.68 – 3.10	Depositor EDS
% Data completeness (in resolution range)	98.2 (49.68-3.10) 98.2 (49.68-3.10)	Depositor EDS
R_{merge}	0.20	Depositor
R_{sym}	0.25	Depositor
$< I/\sigma(I) >$ [1]	1.32 (at 3.12Å)	Xtriage
Refinement program	PHENIX 1.8.2_1309	Depositor
R, R_{free}	0.203 , 0.260 0.203 , 0.260	Depositor DCC
R_{free} test set	51894 reflections (5.01%)	wwPDB-VP
Wilson B-factor (Å^2)	71.0	Xtriage
Anisotropy	0.077	Xtriage
Bulk solvent k_{sol}(e/Å^3), B_{sol}(Å^2)	0.29 , 67.2	EDS
L-test for twinning[2]	$< \|L\| > = 0.46$, $< L^2 > = 0.28$	Xtriage
Estimated twinning fraction	No twinning to report.	Xtriage
F_o,F_c correlation	0.93	EDS
Total number of atoms	286321	wwPDB-VP
Average B, all atoms (Å^2)	62.0	wwPDB-VP

Xtriage's analysis on translational NCS is as follows: *The largest off-origin peak in the Patterson function is 1.83% of the height of the origin peak. No significant pseudotranslation is detected.*

---

[1] Intensities estimated from amplitudes.

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

5 Model quality ⓘ

5.1 Standard geometry ⓘ

Bond lengths and bond angles in the following residue types are not validated in this section: 004, 2QY, 2QZ, K, MVA, MG, ZN, 2R3, FME, 2R1, SF4

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	0.75	2/36038 (0.0%)	1.31	240/56244 (0.4%)
1	CA	0.75	10/36170 (0.0%)	1.36	314/56452 (0.6%)
2	AB	0.49	0/1881	0.77	1/2542 (0.0%)
2	CB	0.54	0/1860	0.79	1/2518 (0.0%)
3	AC	0.47	0/1576	0.65	0/2130
3	CC	0.51	0/1566	0.71	2/2119 (0.1%)
4	AD	0.49	0/1689	0.73	0/2267
4	CD	0.49	0/1704	0.70	1/2284 (0.0%)
5	AE	0.47	0/1145	0.70	0/1543
5	CE	0.50	0/1149	0.71	0/1548
6	AF	0.47	0/819	0.69	0/1111
6	CF	0.52	0/829	0.74	1/1123 (0.1%)
7	AG	0.48	0/1250	0.67	1/1679 (0.1%)
7	CG	0.50	0/1254	0.71	1/1683 (0.1%)
8	AH	0.45	0/1108	0.66	0/1494
8	CH	0.48	0/1108	0.69	0/1494
9	AI	0.46	0/1002	0.72	0/1346
9	CI	0.56	0/997	0.75	1/1343 (0.1%)
10	AJ	0.47	0/722	0.68	0/982
10	CJ	0.51	0/727	0.68	0/988
11	AK	0.44	0/844	0.62	0/1145
11	CK	0.46	0/848	0.66	0/1149
12	AL	0.52	0/946	0.69	0/1274
12	CL	0.51	0/946	0.73	0/1274
13	AM	0.46	0/969	0.69	0/1302
13	CM	0.49	0/961	0.66	0/1291
14	AN	0.51	0/501	0.67	0/664
14	CN	0.54	0/501	0.68	0/664
15	AO	0.47	0/739	0.72	0/985
15	CO	0.46	0/739	0.73	0/985
16	AP	0.45	0/697	0.71	0/939
16	CP	0.47	0/693	0.65	0/935

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	#|Z| >5	RMSZ	#|Z| >5
17	AQ	0.48	0/836	0.66	0/1117
17	CQ	0.49	0/836	0.68	0/1117
18	AR	0.49	0/560	0.72	0/746
18	CR	0.51	0/560	0.75	1/746 (0.1%)
19	AS	0.47	0/667	0.68	0/900
19	CS	0.54	0/661	0.82	2/893 (0.2%)
20	AT	0.51	0/730	0.76	0/965
20	CT	0.44	0/729	0.68	0/965
21	AU	0.45	0/203	0.65	0/266
21	CU	0.51	0/203	0.68	0/266
22	AV	0.94	0/127	1.36	2/198 (1.0%)
22	CV	0.86	0/126	1.29	0/195
23	AX	0.85	5/1813 (0.3%)	1.59	36/2825 (1.3%)
23	CX	0.88	4/1813 (0.2%)	1.81	40/2825 (1.4%)
24	AW	0.50	0/20	0.80	0/23
24	CW	0.43	0/20	0.70	0/23
25	BA	1.06	33/65892 (0.1%)	1.42	649/102850 (0.6%)
25	DA	0.79	9/65466 (0.0%)	1.39	590/102184 (0.6%)
26	BB	0.82	0/2878	1.26	11/4490 (0.2%)
26	DB	0.89	0/2878	1.39	18/4490 (0.4%)
27	BD	0.67	1/2186 (0.0%)	0.78	1/2944 (0.0%)
27	DD	0.61	2/2186 (0.1%)	0.77	1/2944 (0.0%)
28	BE	0.69	0/1592	0.75	0/2149
28	DE	0.55	0/1592	0.77	1/2149 (0.0%)
29	BF	0.69	0/1619	0.76	0/2193
29	DF	0.53	0/1615	0.77	1/2188 (0.0%)
30	BG	0.46	0/1450	0.70	0/1959
30	DG	0.55	0/1449	0.74	0/1958
31	BH	0.60	0/1356	0.70	0/1834
31	DH	0.56	0/1356	0.70	0/1834
32	BI	0.49	0/1100	0.74	1/1501 (0.1%)
32	DI	0.48	0/1076	0.77	0/1471
33	BN	0.65	0/1144	0.73	0/1543
33	DN	0.50	0/1144	0.72	0/1543
34	BO	0.65	0/943	0.73	1/1269 (0.1%)
34	DO	0.54	0/943	0.73	1/1269 (0.1%)
35	BP	0.62	0/1152	0.77	0/1533
35	DP	0.53	0/1152	0.80	1/1533 (0.1%)
36	BQ	0.64	0/1143	0.76	0/1527
36	DQ	0.60	0/1143	0.79	0/1527
37	BR	0.59	0/982	0.78	0/1312
37	DR	0.49	0/982	0.71	0/1312
38	BS	0.54	0/887	0.77	0/1180

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	#$\|Z\|$ >5	RMSZ	#$\|Z\|$ >5
38	DS	0.47	0/880	0.72	0/1172
39	BT	0.59	0/1105	0.79	1/1477 (0.1%)
39	DT	0.50	0/1097	0.72	0/1468
40	BU	0.71	1/977 (0.1%)	0.73	0/1301
40	DU	0.54	0/977	0.71	1/1301 (0.1%)
41	BV	0.68	0/782	0.74	1/1049 (0.1%)
41	DV	0.55	0/782	0.71	0/1049
42	BW	0.74	0/897	0.74	0/1205
42	DW	0.56	0/897	0.72	0/1205
43	BX	0.66	0/764	0.96	3/1025 (0.3%)
43	DX	0.55	0/764	0.75	1/1025 (0.1%)
44	BY	0.64	0/819	0.78	0/1095
44	DY	0.54	0/819	0.74	0/1095
45	BZ	0.56	0/1379	0.75	0/1873
45	DZ	0.53	0/1390	0.71	0/1890
46	B0	0.63	0/662	0.81	2/881 (0.2%)
46	D0	0.54	0/662	0.73	0/881
47	B1	0.61	0/762	0.74	0/1014
47	D1	0.51	0/762	0.75	1/1014 (0.1%)
48	B2	0.61	0/590	0.79	0/781
48	D2	0.48	0/590	0.66	0/781
49	B3	0.70	0/474	0.76	0/635
49	D3	0.45	0/469	0.67	0/630
50	B4	0.58	0/564	0.79	0/759
50	D4	0.59	0/544	0.86	1/735 (0.1%)
51	B5	0.66	0/469	0.78	0/635
51	D5	0.53	0/469	0.74	1/635 (0.2%)
52	B6	0.67	0/460	0.64	0/613
52	D6	0.53	0/456	0.70	0/608
53	B7	0.79	0/426	0.78	0/561
53	D7	0.62	0/426	0.76	1/561 (0.2%)
54	B8	0.70	0/519	0.71	0/684
54	D8	0.55	0/525	0.75	0/691
55	B9	0.69	0/310	0.76	0/407
55	D9	0.60	0/310	0.79	0/407
All	All	0.79	67/305966 (0.0%)	1.24	1933/457396 (0.4%)

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

Mol	Chain	#Chirality outliers	#Planarity outliers
2	AB	0	3
4	CD	0	1
7	AG	0	1
23	CX	1	0
24	AW	0	1
24	CW	0	1
27	DD	0	1
38	BS	0	1
45	BZ	0	1
50	B4	0	1
All	All	1	11

The worst 5 of 67 bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
23	AX	76	A	N7-C5	-11.16	1.32	1.39
1	CA	1154	G	C6-N1	-11.02	1.31	1.39
1	CA	1154	G	N1-C2	-10.69	1.29	1.37
25	BA	1188	A	N9-C4	-10.29	1.31	1.37
1	CA	1119	C	N3-C4	-10.20	1.26	1.33

The worst 5 of 1933 bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
23	CX	76	A	O4'-C1'-N9	38.71	139.17	108.20
1	CA	1119	C	N1-C2-O2	32.56	138.44	118.90
1	CA	1154	G	C5-C6-O6	28.63	145.78	128.60
1	CA	1154	G	N3-C2-N2	25.05	137.43	119.90
1	CA	1154	G	N1-C2-N2	-22.71	95.76	116.20

All (1) chirality outliers are listed below:

Mol	Chain	Res	Type	Atom
23	CX	76	A	C1'

5 of 11 planarity outliers are listed below:

Mol	Chain	Res	Type	Group
2	AB	231	GLU	Peptide
2	AB	8	LYS	Peptide
2	AB	9	GLU	Peptide
7	AG	79	ARG	Peptide
24	AW	4	PRO	Peptide

5.2 Too-close contacts ⓘ

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

Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
1	AA	32196	0	16251	809	0
1	CA	32312	0	16307	915	0
2	AB	1846	0	1867	109	0
2	CB	1825	0	1828	119	0
3	AC	1552	0	1546	59	0
3	CC	1542	0	1517	66	0
4	AD	1659	0	1676	99	0
4	CD	1674	0	1714	78	0
5	AE	1129	0	1185	50	0
5	CE	1133	0	1191	45	0
6	AF	806	0	793	33	0
6	CF	816	0	808	27	0
7	AG	1231	0	1238	35	0
7	CG	1235	0	1249	56	0
8	AH	1088	0	1126	48	0
8	CH	1088	0	1126	46	0
9	AI	983	0	986	54	0
9	CI	978	0	966	57	0
10	AJ	709	0	650	35	0
10	CJ	714	0	672	47	0
11	AK	829	0	825	19	0
11	CK	833	0	836	29	0
12	AL	930	0	980	28	0
12	CL	930	0	980	34	0
13	AM	958	0	1002	25	0
13	CM	950	0	988	56	0
14	AN	492	0	529	26	0
14	CN	492	0	529	29	0
15	AO	728	0	760	16	0
15	CO	728	0	760	27	0
16	AP	681	0	697	29	0
16	CP	677	0	686	28	0
17	AQ	823	0	891	21	0
17	CQ	823	0	891	19	0
18	AR	555	0	618	17	0
18	CR	555	0	618	27	0
19	AS	652	0	662	36	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
19	CS	646	0	644	56	0
20	AT	728	0	798	30	0
20	CT	727	0	796	28	0
21	AU	199	0	208	5	0
21	CU	199	0	208	7	0
22	AV	114	0	54	0	0
22	CV	113	0	54	0	0
23	AX	1623	0	823	18	0
23	CX	1623	0	824	24	0
24	AW	93	0	84	9	0
24	CW	93	0	84	14	0
25	BA	58834	0	29667	785	0
25	DA	58458	0	29482	1100	0
26	BB	2573	0	1306	38	0
26	DB	2573	0	1306	54	0
27	BD	2136	0	2218	64	0
27	DD	2136	0	2218	74	0
28	BE	1559	0	1618	38	0
28	DE	1559	0	1618	60	0
29	BF	1584	0	1625	46	0
29	DF	1580	0	1619	69	0
30	BG	1425	0	1443	45	0
30	DG	1424	0	1434	82	0
31	BH	1330	0	1407	33	0
31	DH	1330	0	1407	52	0
32	BI	1085	0	1114	42	0
32	DI	1061	0	1080	31	0
33	BN	1117	0	1183	17	0
33	DN	1117	0	1184	26	0
34	BO	933	0	996	24	0
34	DO	933	0	996	36	0
35	BP	1135	0	1212	37	0
35	DP	1135	0	1211	46	0
36	BQ	1122	0	1179	38	0
36	DQ	1122	0	1179	47	0
37	BR	968	0	1033	24	0
37	DR	968	0	1032	30	0
38	BS	877	0	938	25	0
38	DS	870	0	923	47	0
39	BT	1091	0	1151	28	0
39	DT	1083	0	1136	36	0
40	BU	959	0	1019	26	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
40	DU	959	0	1019	37	0
41	BV	771	0	830	11	0
41	DV	771	0	830	23	0
42	BW	886	0	940	9	0
42	DW	886	0	940	17	0
43	BX	750	0	814	20	0
43	DX	750	0	814	25	0
44	BY	806	0	881	25	0
44	DY	806	0	881	21	0
45	BZ	1349	0	1355	47	0
45	DZ	1360	0	1363	48	0
46	B0	653	0	674	25	0
46	D0	653	0	674	23	0
47	B1	755	0	826	19	0
47	D1	755	0	826	26	0
48	B2	588	0	643	18	0
48	D2	588	0	643	20	0
49	B3	469	0	518	17	0
49	D3	464	0	514	12	0
50	B4	551	0	532	38	0
50	D4	531	0	502	32	0
51	B5	455	0	465	13	0
51	D5	455	0	465	11	0
52	B6	453	0	473	10	0
52	D6	449	0	469	10	0
53	B7	418	0	466	9	0
53	D7	418	0	467	9	0
54	B8	511	0	571	27	0
54	D8	517	0	582	27	0
55	B9	307	0	335	5	0
55	D9	307	0	335	10	0
56	AA	221	0	0	0	0
56	AD	1	0	0	0	0
56	AF	1	0	0	0	0
56	AK	1	0	0	0	0
56	AM	1	0	0	0	0
56	AN	2	0	0	0	0
56	AV	1	0	0	0	0
56	AX	9	0	0	0	0
56	B0	4	0	0	0	0
56	B1	1	0	0	0	0
56	B2	1	0	0	0	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
56	B3	3	0	0	0	0
56	B4	1	0	0	0	0
56	B5	1	0	0	0	0
56	B7	4	0	0	0	0
56	B8	3	0	0	0	0
56	B9	1	0	0	0	0
56	BA	738	0	0	0	0
56	BB	18	0	0	0	0
56	BD	12	0	0	0	0
56	BE	10	0	0	0	0
56	BF	8	0	0	0	0
56	BG	4	0	0	0	0
56	BN	6	0	0	0	0
56	BO	1	0	0	0	0
56	BP	4	0	0	0	0
56	BQ	5	0	0	0	0
56	BR	4	0	0	0	0
56	BU	8	0	0	0	0
56	BV	4	0	0	0	0
56	BW	5	0	0	0	0
56	BX	1	0	0	0	0
56	BY	1	0	0	0	0
56	BZ	1	0	0	0	0
56	CA	172	0	0	0	0
56	CE	2	0	0	0	0
56	CF	1	0	0	0	0
56	CQ	1	0	0	0	0
56	CT	1	0	0	0	0
56	CX	3	0	0	0	0
56	D0	1	0	0	0	0
56	D3	1	0	0	0	0
56	D5	2	0	0	0	0
56	D8	1	0	0	0	0
56	DA	653	0	0	0	0
56	DB	12	0	0	0	0
56	DD	8	0	0	0	0
56	DE	6	0	0	0	0
56	DF	6	0	0	0	0
56	DG	1	0	0	0	0
56	DN	1	0	0	0	0
56	DO	1	0	0	0	0
56	DQ	5	0	0	0	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
56	DR	2	0	0	0	0
56	DV	4	0	0	0	0
56	DW	2	0	0	0	0
56	DY	1	0	0	0	0
57	AD	8	0	0	1	0
57	CD	8	0	0	1	0
58	AN	1	0	0	0	0
58	B4	1	0	0	0	0
58	B5	1	0	0	0	0
58	B6	1	0	0	0	0
58	B9	1	0	0	0	0
58	BY	1	0	0	0	0
58	CN	1	0	0	0	0
58	D4	1	0	0	0	0
58	D5	1	0	0	0	0
58	D6	1	0	0	0	0
58	D9	1	0	0	0	0
58	DY	1	0	0	0	0
59	AX	10	0	10	0	0
59	CX	10	0	10	2	0
60	BA	1	0	0	0	0
60	DA	1	0	0	0	0
61	AA	148	0	0	27	0
61	AD	1	0	0	0	0
61	AE	3	0	0	0	0
61	AJ	1	0	0	0	0
61	AL	1	0	0	0	0
61	AP	1	0	0	0	0
61	AU	1	0	0	0	0
61	AV	1	0	0	0	0
61	AX	1	0	0	0	0
61	B0	4	0	0	0	0
61	B1	2	0	0	0	0
61	B5	3	0	0	1	0
61	B7	1	0	0	1	0
61	B8	8	0	0	1	0
61	BA	1092	0	0	113	0
61	BB	26	0	0	0	0
61	BD	8	0	0	1	0
61	BE	9	0	0	4	0
61	BF	4	0	0	0	0
61	BG	1	0	0	0	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
61	BN	3	0	0	0	0
61	BO	2	0	0	0	0
61	BP	15	0	0	3	0
61	BQ	3	0	0	1	0
61	BR	1	0	0	0	0
61	BT	1	0	0	0	0
61	BU	4	0	0	0	0
61	BV	2	0	0	0	0
61	BW	2	0	0	0	0
61	BX	4	0	0	1	0
61	CA	187	0	0	24	0
61	CE	2	0	0	0	0
61	CN	1	0	0	0	0
61	CT	1	0	0	0	0
61	CX	2	0	0	0	0
61	D0	5	0	0	1	0
61	D1	1	0	0	0	0
61	D7	2	0	0	0	0
61	D8	4	0	0	0	0
61	DA	902	0	0	120	0
61	DB	7	0	0	0	0
61	DD	8	0	0	0	0
61	DE	13	0	0	1	0
61	DF	5	0	0	0	0
61	DO	1	0	0	0	0
61	DP	14	0	0	0	0
61	DQ	3	0	0	1	0
61	DU	4	0	0	0	0
61	DV	1	0	0	0	0
61	DX	2	0	0	0	0
61	DY	2	0	0	0	0
All	All	286321	0	191126	6372	0

The all-atom clashscore is defined as the number of clashes found per 1000 atoms (including hydrogen atoms). The all-atom clashscore for this structure is 14.

The worst 5 of 6372 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)
1:CA:1002:G:H1	1:CA:1038:C:N4	1.42	1.16
1:AA:348:G:H2'	1:AA:349:A:H5'	1.36	1.04

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:AA:1125:U:N3	1:AA:1127:G:N7	2.06	1.03
39:BT:16:ARG:NH2	39:BT:83:ILE:O	1.92	1.02
2:CB:185:ILE:HG22	2:CB:199:TYR:HB2	1.40	1.02

There are no symmetry-related clashes.

5.3 Torsion angles ⓘ

5.3.1 Protein backbone ⓘ

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	AB	229/256 (90%)	200 (87%)	23 (10%)	6 (3%)	5	26
2	CB	229/256 (90%)	201 (88%)	18 (8%)	10 (4%)	2	15
3	AC	204/239 (85%)	179 (88%)	22 (11%)	3 (2%)	10	39
3	CC	204/239 (85%)	178 (87%)	24 (12%)	2 (1%)	15	49
4	AD	206/209 (99%)	182 (88%)	22 (11%)	2 (1%)	15	49
4	CD	206/209 (99%)	185 (90%)	18 (9%)	3 (2%)	10	39
5	AE	146/162 (90%)	127 (87%)	15 (10%)	4 (3%)	5	25
5	CE	146/162 (90%)	133 (91%)	10 (7%)	3 (2%)	7	30
6	AF	98/101 (97%)	92 (94%)	6 (6%)	0	100	100
6	CF	98/101 (97%)	93 (95%)	5 (5%)	0	100	100
7	AG	153/156 (98%)	137 (90%)	14 (9%)	2 (1%)	12	42
7	CG	153/156 (98%)	137 (90%)	15 (10%)	1 (1%)	22	57
8	AH	135/138 (98%)	129 (96%)	6 (4%)	0	100	100
8	CH	135/138 (98%)	129 (96%)	5 (4%)	1 (1%)	22	57
9	AI	125/128 (98%)	111 (89%)	10 (8%)	4 (3%)	4	22
9	CI	125/128 (98%)	112 (90%)	11 (9%)	2 (2%)	9	37
10	AJ	95/105 (90%)	85 (90%)	7 (7%)	3 (3%)	4	22

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
10	CJ	94/105 (90%)	86 (92%)	7 (7%)	1 (1%)	14	46
11	AK	112/129 (87%)	98 (88%)	13 (12%)	1 (1%)	17	52
11	CK	112/129 (87%)	99 (88%)	12 (11%)	1 (1%)	17	52
12	AL	120/132 (91%)	116 (97%)	4 (3%)	0	100	100
12	CL	120/132 (91%)	112 (93%)	8 (7%)	0	100	100
13	AM	121/126 (96%)	106 (88%)	15 (12%)	0	100	100
13	CM	120/126 (95%)	104 (87%)	14 (12%)	2 (2%)	9	36
14	AN	58/61 (95%)	54 (93%)	4 (7%)	0	100	100
14	CN	58/61 (95%)	55 (95%)	3 (5%)	0	100	100
15	AO	86/89 (97%)	82 (95%)	4 (5%)	0	100	100
15	CO	86/89 (97%)	80 (93%)	5 (6%)	1 (1%)	13	44
16	AP	80/88 (91%)	69 (86%)	11 (14%)	0	100	100
16	CP	80/88 (91%)	70 (88%)	10 (12%)	0	100	100
17	AQ	97/105 (92%)	91 (94%)	6 (6%)	0	100	100
17	CQ	97/105 (92%)	93 (96%)	4 (4%)	0	100	100
18	AR	66/88 (75%)	60 (91%)	5 (8%)	1 (2%)	10	39
18	CR	66/88 (75%)	60 (91%)	5 (8%)	1 (2%)	10	39
19	AS	81/93 (87%)	74 (91%)	7 (9%)	0	100	100
19	CS	81/93 (87%)	69 (85%)	12 (15%)	0	100	100
20	AT	94/106 (89%)	84 (89%)	5 (5%)	5 (5%)	2	12
20	CT	94/106 (89%)	85 (90%)	3 (3%)	6 (6%)	1	8
21	AU	21/27 (78%)	17 (81%)	4 (19%)	0	100	100
21	CU	21/27 (78%)	18 (86%)	1 (5%)	2 (10%)	0	3
24	AW	3/10 (30%)	1 (33%)	0	2 (67%)	0	0
24	CW	3/10 (30%)	1 (33%)	1 (33%)	1 (33%)	0	0
27	BD	273/276 (99%)	259 (95%)	13 (5%)	1 (0%)	34	69
27	DD	273/276 (99%)	257 (94%)	13 (5%)	3 (1%)	14	46
28	BE	202/206 (98%)	195 (96%)	6 (3%)	1 (0%)	29	64
28	DE	202/206 (98%)	194 (96%)	6 (3%)	2 (1%)	15	49
29	BF	201/210 (96%)	193 (96%)	7 (4%)	1 (0%)	29	64
29	DF	201/210 (96%)	189 (94%)	10 (5%)	2 (1%)	15	49

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
30	BG	179/182 (98%)	163 (91%)	13 (7%)	3 (2%)	9	36
30	DG	179/182 (98%)	160 (89%)	13 (7%)	6 (3%)	3	21
31	BH	172/180 (96%)	161 (94%)	10 (6%)	1 (1%)	25	59
31	DH	172/180 (96%)	159 (92%)	11 (6%)	2 (1%)	13	44
32	BI	144/148 (97%)	122 (85%)	17 (12%)	5 (4%)	3	20
32	DI	144/148 (97%)	123 (85%)	17 (12%)	4 (3%)	5	25
33	BN	138/140 (99%)	134 (97%)	4 (3%)	0	100	100
33	DN	138/140 (99%)	131 (95%)	6 (4%)	1 (1%)	22	57
34	BO	120/122 (98%)	115 (96%)	4 (3%)	1 (1%)	19	54
34	DO	120/122 (98%)	117 (98%)	2 (2%)	1 (1%)	19	54
35	BP	147/150 (98%)	132 (90%)	14 (10%)	1 (1%)	22	57
35	DP	147/150 (98%)	133 (90%)	12 (8%)	2 (1%)	11	40
36	BQ	139/141 (99%)	130 (94%)	8 (6%)	1 (1%)	22	57
36	DQ	139/141 (99%)	129 (93%)	8 (6%)	2 (1%)	11	40
37	BR	116/118 (98%)	110 (95%)	5 (4%)	1 (1%)	17	52
37	DR	116/118 (98%)	109 (94%)	7 (6%)	0	100	100
38	BS	108/112 (96%)	100 (93%)	7 (6%)	1 (1%)	17	52
38	DS	108/112 (96%)	102 (94%)	5 (5%)	1 (1%)	17	52
39	BT	129/146 (88%)	124 (96%)	4 (3%)	1 (1%)	19	54
39	DT	129/146 (88%)	125 (97%)	4 (3%)	0	100	100
40	BU	114/118 (97%)	114 (100%)	0	0	100	100
40	DU	114/118 (97%)	113 (99%)	1 (1%)	0	100	100
41	BV	99/101 (98%)	91 (92%)	7 (7%)	1 (1%)	15	49
41	DV	99/101 (98%)	92 (93%)	6 (6%)	1 (1%)	15	49
42	BW	110/113 (97%)	109 (99%)	1 (1%)	0	100	100
42	DW	110/113 (97%)	108 (98%)	2 (2%)	0	100	100
43	BX	93/96 (97%)	89 (96%)	3 (3%)	1 (1%)	14	46
43	DX	93/96 (97%)	87 (94%)	6 (6%)	0	100	100
44	BY	105/110 (96%)	95 (90%)	10 (10%)	0	100	100
44	DY	105/110 (96%)	97 (92%)	8 (8%)	0	100	100
45	BZ	169/206 (82%)	150 (89%)	17 (10%)	2 (1%)	13	44

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
45	DZ	172/206 (84%)	157 (91%)	15 (9%)	0	100	100
46	B0	81/85 (95%)	77 (95%)	3 (4%)	1 (1%)	13	44
46	D0	81/85 (95%)	76 (94%)	5 (6%)	0	100	100
47	B1	95/98 (97%)	93 (98%)	0	2 (2%)	7	30
47	D1	95/98 (97%)	92 (97%)	2 (2%)	1 (1%)	14	46
48	B2	68/72 (94%)	66 (97%)	2 (3%)	0	100	100
48	D2	68/72 (94%)	65 (96%)	3 (4%)	0	100	100
49	B3	57/60 (95%)	54 (95%)	3 (5%)	0	100	100
49	D3	57/60 (95%)	54 (95%)	3 (5%)	0	100	100
50	B4	67/71 (94%)	50 (75%)	9 (13%)	8 (12%)	0	1
50	D4	67/71 (94%)	50 (75%)	8 (12%)	9 (13%)	0	1
51	B5	57/60 (95%)	56 (98%)	1 (2%)	0	100	100
51	D5	57/60 (95%)	56 (98%)	1 (2%)	0	100	100
52	B6	51/54 (94%)	48 (94%)	3 (6%)	0	100	100
52	D6	51/54 (94%)	48 (94%)	3 (6%)	0	100	100
53	B7	46/49 (94%)	45 (98%)	1 (2%)	0	100	100
53	D7	46/49 (94%)	44 (96%)	1 (2%)	1 (2%)	6	29
54	B8	62/65 (95%)	60 (97%)	2 (3%)	0	100	100
54	D8	62/65 (95%)	59 (95%)	3 (5%)	0	100	100
55	B9	35/37 (95%)	35 (100%)	0	0	100	100
55	D9	35/37 (95%)	35 (100%)	0	0	100	100
All	All	11415/12148 (94%)	10525 (92%)	749 (7%)	141 (1%)	13	44

5 of 141 Ramachandran outliers are listed below:

Mol	Chain	Res	Type
2	AB	17	PHE
2	AB	125	PRO
3	AC	65	ALA
3	AC	107	GLN
4	AD	166	LYS

5.3.2 Protein sidechains ⓘ

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

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

Mol	Chain	Analysed	Rotameric	Outliers	Percentiles
2	AB	192/220 (87%)	147 (77%)	45 (23%)	1 3
2	CB	187/220 (85%)	152 (81%)	35 (19%)	1 7
3	AC	143/188 (76%)	125 (87%)	18 (13%)	4 18
3	CC	140/188 (74%)	122 (87%)	18 (13%)	4 18
4	AD	170/181 (94%)	145 (85%)	25 (15%)	3 13
4	CD	173/181 (96%)	152 (88%)	21 (12%)	5 20
5	AE	113/123 (92%)	104 (92%)	9 (8%)	12 40
5	CE	114/123 (93%)	107 (94%)	7 (6%)	18 49
6	AF	83/90 (92%)	76 (92%)	7 (8%)	11 38
6	CF	85/90 (94%)	79 (93%)	6 (7%)	14 44
7	AG	119/127 (94%)	100 (84%)	19 (16%)	2 11
7	CG	120/127 (94%)	102 (85%)	18 (15%)	3 12
8	AH	114/119 (96%)	98 (86%)	16 (14%)	3 15
8	CH	114/119 (96%)	102 (90%)	12 (10%)	7 26
9	AI	90/99 (91%)	76 (84%)	14 (16%)	2 11
9	CI	89/99 (90%)	75 (84%)	14 (16%)	2 11
10	AJ	66/92 (72%)	60 (91%)	6 (9%)	9 33
10	CJ	69/92 (75%)	64 (93%)	5 (7%)	14 44
11	AK	82/99 (83%)	73 (89%)	9 (11%)	6 25
11	CK	83/99 (84%)	77 (93%)	6 (7%)	14 44
12	AL	97/109 (89%)	90 (93%)	7 (7%)	14 44
12	CL	97/109 (89%)	87 (90%)	10 (10%)	7 27
13	AM	93/101 (92%)	82 (88%)	11 (12%)	5 21
13	CM	92/101 (91%)	80 (87%)	12 (13%)	4 18
14	AN	49/50 (98%)	41 (84%)	8 (16%)	2 10
14	CN	49/50 (98%)	42 (86%)	7 (14%)	3 14

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
15	AO	78/80 (98%)	69 (88%)	9 (12%)	5	22
15	CO	78/80 (98%)	66 (85%)	12 (15%)	2	11
16	AP	69/74 (93%)	60 (87%)	9 (13%)	4	18
16	CP	68/74 (92%)	63 (93%)	5 (7%)	13	42
17	AQ	94/97 (97%)	89 (95%)	5 (5%)	22	54
17	CQ	94/97 (97%)	87 (93%)	7 (7%)	13	42
18	AR	59/77 (77%)	55 (93%)	4 (7%)	16	45
18	CR	59/77 (77%)	52 (88%)	7 (12%)	5	20
19	AS	69/80 (86%)	63 (91%)	6 (9%)	10	36
19	CS	67/80 (84%)	57 (85%)	10 (15%)	3	13
20	AT	70/82 (85%)	61 (87%)	9 (13%)	4	18
20	CT	70/82 (85%)	60 (86%)	10 (14%)	3	14
21	AU	18/22 (82%)	14 (78%)	4 (22%)	1	4
21	CU	18/22 (82%)	16 (89%)	2 (11%)	6	24
24	AW	3/3 (100%)	2 (67%)	1 (33%)	0	0
24	CW	3/3 (100%)	2 (67%)	1 (33%)	0	0
27	BD	215/218 (99%)	198 (92%)	17 (8%)	12	40
27	DD	215/218 (99%)	190 (88%)	25 (12%)	5	22
28	BE	164/166 (99%)	142 (87%)	22 (13%)	4	16
28	DE	164/166 (99%)	144 (88%)	20 (12%)	5	19
29	BF	160/166 (96%)	143 (89%)	17 (11%)	6	26
29	DF	159/166 (96%)	145 (91%)	14 (9%)	10	36
30	BG	143/156 (92%)	123 (86%)	20 (14%)	3	15
30	DG	142/156 (91%)	116 (82%)	26 (18%)	1	7
31	BH	144/148 (97%)	129 (90%)	15 (10%)	7	27
31	DH	144/148 (97%)	131 (91%)	13 (9%)	9	34
32	BI	110/124 (89%)	82 (74%)	28 (26%)	0	1
32	DI	104/124 (84%)	86 (83%)	18 (17%)	2	9
33	BN	118/119 (99%)	103 (87%)	15 (13%)	4	18
33	DN	118/119 (99%)	102 (86%)	16 (14%)	3	16
34	BO	100/100 (100%)	94 (94%)	6 (6%)	19	49

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
34	DO	100/100 (100%)	91 (91%)	9 (9%)	9	34
35	BP	115/116 (99%)	102 (89%)	13 (11%)	6	23
35	DP	115/116 (99%)	104 (90%)	11 (10%)	8	31
36	BQ	111/111 (100%)	94 (85%)	17 (15%)	2	12
36	DQ	111/111 (100%)	96 (86%)	15 (14%)	4	16
37	BR	101/101 (100%)	83 (82%)	18 (18%)	2	8
37	DR	101/101 (100%)	85 (84%)	16 (16%)	2	11
38	BS	87/88 (99%)	77 (88%)	10 (12%)	5	22
38	DS	85/88 (97%)	70 (82%)	15 (18%)	2	8
39	BT	115/127 (91%)	104 (90%)	11 (10%)	8	31
39	DT	113/127 (89%)	105 (93%)	8 (7%)	14	44
40	BU	93/94 (99%)	83 (89%)	10 (11%)	6	25
40	DU	93/94 (99%)	82 (88%)	11 (12%)	5	21
41	BV	80/82 (98%)	69 (86%)	11 (14%)	3	16
41	DV	80/82 (98%)	71 (89%)	9 (11%)	6	23
42	BW	90/92 (98%)	79 (88%)	11 (12%)	5	19
42	DW	90/92 (98%)	80 (89%)	10 (11%)	6	24
43	BX	77/78 (99%)	73 (95%)	4 (5%)	23	55
43	DX	77/78 (99%)	74 (96%)	3 (4%)	32	65
44	BY	85/91 (93%)	79 (93%)	6 (7%)	14	44
44	DY	85/91 (93%)	79 (93%)	6 (7%)	14	44
45	BZ	145/179 (81%)	121 (83%)	24 (17%)	2	9
45	DZ	145/179 (81%)	126 (87%)	19 (13%)	4	17
46	B0	65/67 (97%)	61 (94%)	4 (6%)	18	49
46	D0	65/67 (97%)	59 (91%)	6 (9%)	9	33
47	B1	80/83 (96%)	72 (90%)	8 (10%)	7	28
47	D1	80/83 (96%)	73 (91%)	7 (9%)	10	36
48	B2	65/67 (97%)	56 (86%)	9 (14%)	3	16
48	D2	65/67 (97%)	57 (88%)	8 (12%)	4	19
49	B3	51/52 (98%)	44 (86%)	7 (14%)	3	16
49	D3	50/52 (96%)	43 (86%)	7 (14%)	3	15

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles
50	B4	59/63 (94%)	48 (81%)	11 (19%)	1 7
50	D4	53/63 (84%)	45 (85%)	8 (15%)	3 12
51	B5	50/52 (96%)	45 (90%)	5 (10%)	7 28
51	D5	50/52 (96%)	45 (90%)	5 (10%)	7 28
52	B6	51/52 (98%)	45 (88%)	6 (12%)	5 21
52	D6	50/52 (96%)	46 (92%)	4 (8%)	12 40
53	B7	41/42 (98%)	37 (90%)	4 (10%)	8 29
53	D7	41/42 (98%)	39 (95%)	2 (5%)	25 57
54	B8	53/55 (96%)	49 (92%)	4 (8%)	13 42
54	D8	54/55 (98%)	50 (93%)	4 (7%)	13 42
55	B9	34/34 (100%)	33 (97%)	1 (3%)	42 72
55	D9	34/34 (100%)	33 (97%)	1 (3%)	42 72
All	All	9325/10072 (93%)	8209 (88%)	1116 (12%)	5 20

5 of 1116 residues with a non-rotameric sidechain are listed below:

Mol	Chain	Res	Type
33	DN	87	LEU
36	DQ	7	MET
33	DN	85	ILE
44	DY	11	ASP
35	BP	98	GLU

Sometimes sidechains can be flipped to improve hydrogen bonding and reduce clashes. 5 of 113 such sidechains are listed below:

Mol	Chain	Res	Type
49	B3	32	GLN
46	D0	3	HIS
4	CD	125	HIS
44	DY	43	ASN
31	DH	158	HIS

5.3.3 RNA ⓘ

Mol	Chain	Analysed	Backbone Outliers	Pucker Outliers
1	AA	1495/1522 (98%)	393 (26%)	25 (1%)

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Mol	Chain	Analysed	Backbone Outliers	Pucker Outliers
1	CA	1502/1522 (98%)	388 (25%)	31 (2%)
22	AV	4/24 (16%)	1 (25%)	0
22	CV	4/24 (16%)	1 (25%)	0
23	AX	75/77 (97%)	16 (21%)	0
23	CX	75/77 (97%)	16 (21%)	0
25	BA	2722/2915 (93%)	508 (18%)	40 (1%)
25	DA	2704/2915 (92%)	535 (19%)	37 (1%)
26	BB	119/122 (97%)	18 (15%)	0
26	DB	119/122 (97%)	24 (20%)	1 (0%)
All	All	8819/9320 (94%)	1900 (21%)	134 (1%)

5 of 1900 RNA backbone outliers are listed below:

Mol	Chain	Res	Type
1	AA	7	G
1	AA	9	G
1	AA	15	G
1	AA	22	G
1	AA	32	A

5 of 134 RNA pucker outliers are listed below:

Mol	Chain	Res	Type
25	DA	1420	U
25	DA	1558	A
25	DA	2689	U
25	BA	1507	A
25	BA	1466	U

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

14 non-standard protein/DNA/RNA residues are modelled in this entry.

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

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
24	004	AW	3	24	9,10,11	0.97	1 (11%)	9,12,14	1.20	2 (22%)
24	004	CW	3	24	9,10,11	1.22	1 (11%)	9,12,14	0.97	0
24	2R1	AW	6	24	10,10,11	1.78	3 (30%)	6,13,15	5.49	2 (33%)
24	MVA	AW	9	24	6,7,8	0.46	0	7,8,10	0.95	1 (14%)
24	2R3	AW	8	24	12,14,15	0.80	0	16,18,20	1.73	5 (31%)
24	2QZ	CW	1	24	7,8,9	0.61	0	8,10,12	3.72	2 (25%)
24	MVA	CW	9	24	6,7,8	0.97	1 (16%)	7,8,10	1.53	1 (14%)
24	2R1	CW	6	24	10,10,11	1.86	2 (20%)	6,13,15	4.48	2 (33%)
24	2QY	AW	10	24	12,13,14	2.00	1 (8%)	13,16,18	3.53	4 (30%)
24	2QY	CW	10	24	12,13,14	2.25	2 (16%)	13,16,18	2.99	2 (15%)
24	2QZ	AW	1	24	7,8,9	0.38	0	8,10,12	4.18	1 (12%)
24	MVA	CW	5	24	6,7,8	0.70	0	7,8,10	1.42	1 (14%)
24	MVA	AW	5	24	6,7,8	0.37	0	7,8,10	1.11	0
24	2R3	CW	8	24	12,14,15	0.66	0	16,18,20	1.63	5 (31%)

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
24	004	AW	3	24	-	0/4/6/8	0/1/1/1
24	004	CW	3	24	-	0/4/6/8	0/1/1/1
24	2R1	AW	6	24	-	1/2/14/16	0/1/1/1
24	MVA	AW	9	24	-	5/6/8/10	-
24	2R3	AW	8	24	-	4/11/12/14	0/1/1/1
24	2QZ	CW	1	24	-	2/6/10/12	-
24	MVA	CW	9	24	-	5/6/8/10	-
24	2R1	CW	6	24	-	0/2/14/16	0/1/1/1
24	2QY	AW	10	24	-	3/4/8/10	0/1/1/1
24	2QY	CW	10	24	-	2/4/8/10	0/1/1/1
24	2QZ	AW	1	24	-	3/6/10/12	-
24	MVA	CW	5	24	-	6/6/8/10	-
24	MVA	AW	5	24	-	3/6/8/10	-
24	2R3	CW	8	24	-	7/11/12/14	0/1/1/1

The worst 5 of 11 bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
24	CW	10	2QY	C-CA	6.88	1.53	1.43
24	AW	10	2QY	C-CA	6.24	1.52	1.43
24	CW	6	2R1	CA-N	3.90	1.46	1.36
24	AW	6	2R1	CA-N	3.57	1.45	1.36
24	CW	6	2R1	C-CA	3.43	1.50	1.45

The worst 5 of 28 bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
24	AW	6	2R1	OD2-CG2-CB	-12.79	88.98	112.24
24	AW	1	2QZ	OG1-CB-CG2	11.22	142.97	109.74
24	CW	6	2R1	OD2-CG2-CB	-10.33	93.46	112.24
24	AW	10	2QY	CN-N-CA	-10.27	107.83	123.45
24	CW	1	2QZ	OG1-CB-CG2	9.77	138.68	109.74

There are no chirality outliers.

5 of 41 torsion outliers are listed below:

Mol	Chain	Res	Type	Atoms
24	AW	1	2QZ	N-CA-CB-OG1
24	AW	1	2QZ	N-CA-CB-CG2
24	AW	1	2QZ	C-CA-CB-OG1
24	AW	5	MVA	CB-CA-N-CN
24	AW	5	MVA	C-CA-CB-CG1

There are no ring outliers.

13 monomers are involved in 23 short contacts:

Mol	Chain	Res	Type	Clashes	Symm-Clashes
24	AW	3	004	1	0
24	CW	3	004	1	0
24	AW	6	2R1	1	0
24	AW	9	MVA	3	0
24	AW	8	2R3	1	0
24	CW	1	2QZ	2	0
24	CW	9	MVA	6	0
24	CW	6	2R1	1	0
24	AW	10	2QY	5	0
24	CW	10	2QY	9	0
24	AW	1	2QZ	2	0
24	CW	5	MVA	2	0
24	CW	8	2R3	2	0

5.5 Carbohydrates

There are no monosaccharides in this entry.

5.6 Ligand geometry

Of 1991 ligands modelled in this entry, 1987 are monoatomic - leaving 4 for Mogul analysis.

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

Mol	**Type**	**Chain**	**Res**	**Link**	**Bond lengths**			**Bond angles**		
					Counts	RMSZ	$\#\|Z\| > 2$	Counts	RMSZ	$\#\|Z\| > 2$
59	FME	AX	101	23	8,9,10	0.93	0	7,9,11	1.49	1 (14%)
57	SF4	CD	501	4	0,12,12	-	-	-		
57	SF4	AD	501	4	0,12,12	-	-	-		
59	FME	CX	101	23	8,9,10	1.05	1 (12%)	7,9,11	1.32	2 (28%)

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

Mol	**Type**	**Chain**	**Res**	**Link**	**Chirals**	**Torsions**	**Rings**
59	FME	AX	101	23	-	3/7/9/11	-
57	SF4	CD	501	4	-	-	0/6/5/5
57	SF4	AD	501	4	-	-	0/6/5/5
59	FME	CX	101	23	-	3/7/9/11	-

All (1) bond length outliers are listed below:

Mol	**Chain**	**Res**	**Type**	**Atoms**	**Z**	**Observed(Å)**	**Ideal(Å)**
59	CX	101	FME	CA-N	2.14	1.49	1.46

All (3) bond angle outliers are listed below:

Mol	**Chain**	**Res**	**Type**	**Atoms**	**Z**	**Observed(^{o})**	**Ideal(^{o})**
59	AX	101	FME	CA-N-CN	-2.85	118.44	122.82

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
59	CX	101	FME	CA-N-CN	-2.17	119.49	122.82
59	CX	101	FME	C-CA-N	2.10	113.52	109.73

There are no chirality outliers.

5 of 6 torsion outliers are listed below:

Mol	Chain	Res	Type	Atoms
59	AX	101	FME	O1-CN-N-CA
59	AX	101	FME	O-C-CA-CB
59	CX	101	FME	O1-CN-N-CA
59	CX	101	FME	O-C-CA-CB
59	CX	101	FME	CA-CB-CG-SD

There are no ring outliers.

3 monomers are involved in 4 short contacts:

Mol	Chain	Res	Type	Clashes	Symm-Clashes
57	CD	501	SF4	1	0
57	AD	501	SF4	1	0
59	CX	101	FME	2	0

5.7 Other polymers (i)

There are no such residues in this entry.

5.8 Polymer linkage issues (i)

There are no chain breaks in this entry.

6 Fit of model and data

6.1 Protein, DNA and RNA chains

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

Mol	Chain	Analysed	<RSRZ>	#RSRZ>2			OWAB($\AA^2$)	Q<0.9
1	AA	1498/1522 (98%)	-0.17	32 (2%)	63	43	36, 80, 103, 123	0
1	CA	1503/1522 (98%)	-0.18	34 (2%)	60	39	38, 80, 103, 122	0
2	AB	231/256 (90%)	-0.07	8 (3%)	44	23	71, 88, 98, 107	0
2	CB	231/256 (90%)	0.20	12 (5%)	27	12	71, 89, 99, 108	0
3	AC	206/239 (86%)	0.18	6 (2%)	51	28	74, 87, 96, 108	0
3	CC	206/239 (86%)	0.33	13 (6%)	20	8	75, 89, 98, 106	0
4	AD	208/209 (99%)	0.06	4 (1%)	66	46	62, 80, 92, 99	0
4	CD	208/209 (99%)	-0.15	0	100	100	61, 79, 92, 99	0
5	AE	148/162 (91%)	-0.25	0	100	100	53, 73, 83, 96	0
5	CE	148/162 (91%)	-0.22	0	100	100	54, 74, 85, 98	0
6	AF	100/101 (99%)	-0.22	0	100	100	60, 78, 89, 92	0
6	CF	100/101 (99%)	-0.32	0	100	100	62, 79, 89, 94	0
7	AG	155/156 (99%)	0.29	11 (7%)	16	6	74, 85, 97, 104	0
7	CG	155/156 (99%)	0.36	10 (6%)	18	8	76, 86, 99, 105	0
8	AH	137/138 (99%)	-0.08	0	100	100	60, 75, 83, 90	0
8	CH	137/138 (99%)	-0.15	0	100	100	61, 76, 83, 90	0
9	AI	127/128 (99%)	0.44	8 (6%)	20	8	70, 92, 99, 103	0
9	CI	127/128 (99%)	0.98	22 (17%)	1	0	69, 93, 100, 105	0
10	AJ	97/105 (92%)	0.66	12 (12%)	4	1	71, 93, 101, 106	0
10	CJ	96/105 (91%)	0.68	12 (12%)	3	1	75, 95, 102, 107	0
11	AK	114/129 (88%)	-0.24	0	100	100	53, 74, 88, 93	0
11	CK	114/129 (88%)	-0.02	3 (2%)	56	33	54, 76, 88, 93	0
12	AL	122/132 (92%)	-0.18	1 (0%)	86	72	56, 68, 80, 86	0
12	CL	122/132 (92%)	-0.19	0	100	100	55, 68, 79, 87	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å^2)	Q<0.9
13	AM	123/126 (97%)	0.29	9 (7%) 15 6	67, 83, 95, 104	0
13	CM	122/126 (96%)	0.58	11 (9%) 9 3	77, 91, 101, 105	0
14	AN	60/61 (98%)	0.17	2 (3%) 46 24	74, 85, 95, 97	0
14	CN	60/61 (98%)	0.56	4 (6%) 17 7	77, 88, 95, 100	0
15	AO	88/89 (98%)	-0.23	0 100 100	59, 73, 87, 94	0
15	CO	88/89 (98%)	0.04	1 (1%) 80 64	58, 73, 87, 95	0
16	AP	82/88 (93%)	0.41	2 (2%) 59 37	66, 77, 88, 95	0
16	CP	82/88 (93%)	-0.01	0 100 100	66, 76, 88, 93	0
17	AQ	99/105 (94%)	0.02	0 100 100	59, 73, 84, 87	0
17	CQ	99/105 (94%)	-0.07	1 (1%) 82 67	60, 73, 84, 85	0
18	AR	68/88 (77%)	0.16	1 (1%) 73 54	66, 76, 86, 90	0
18	CR	68/88 (77%)	0.39	0 100 100	67, 77, 87, 89	0
19	AS	83/93 (89%)	0.79	11 (13%) 3 1	79, 91, 100, 105	0
19	CS	83/93 (89%)	1.23	16 (19%) 1 0	82, 92, 102, 106	0
20	AT	96/106 (90%)	0.07	0 100 100	62, 75, 88, 91	0
20	CT	96/106 (90%)	0.09	1 (1%) 82 67	62, 75, 86, 94	0
21	AU	23/27 (85%)	1.22	5 (21%) 0 0	76, 87, 90, 91	0
21	CU	23/27 (85%)	1.16	5 (21%) 0 0	77, 87, 91, 92	0
22	AV	7/24 (29%)	0.02	0 100 100	61, 73, 97, 100	0
22	CV	6/24 (25%)	0.36	0 100 100	64, 75, 94, 103	0
23	AX	76/77 (98%)	0.02	0 100 100	48, 79, 96, 101	0
23	CX	76/77 (98%)	0.02	0 100 100	47, 81, 98, 101	0
24	AW	3/10 (30%)	-0.00	0 100 100	78, 78, 93, 96	0
24	CW	3/10 (30%)	0.56	1 (33%) 0 0	67, 67, 87, 96	0
25	BA	2731/2915 (93%)	-0.28	11 (0%) 92 84	24, 44, 86, 114	0
25	DA	2714/2915 (93%)	-0.49	18 (0%) 87 75	27, 48, 87, 118	0
26	BB	120/122 (98%)	-0.40	0 100 100	41, 68, 81, 96	0
26	DB	120/122 (98%)	-0.33	0 100 100	47, 73, 86, 98	0
27	BD	275/276 (99%)	-0.47	1 (0%) 92 84	24, 41, 62, 85	0
27	DD	275/276 (99%)	-0.47	0 100 100	25, 44, 63, 86	0
28	BE	204/206 (99%)	-0.35	0 100 100	22, 45, 68, 90	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å^2)	Q<0.9
28	DE	204/206 (99%)	-0.45	0 100 100	24, 47, 70, 90	0
29	BF	203/210 (96%)	-0.33	0 100 100	24, 52, 77, 97	0
29	DF	203/210 (96%)	-0.45	0 100 100	25, 56, 79, 96	0
30	BG	181/182 (99%)	-0.30	2 (1%) 80 64	61, 76, 89, 100	0
30	DG	181/182 (99%)	0.09	5 (2%) 53 30	65, 79, 91, 100	0
31	BH	174/180 (96%)	-0.32	0 100 100	49, 67, 81, 85	0
31	DH	174/180 (96%)	0.52	17 (9%) 7 2	54, 72, 85, 89	0
32	BI	146/148 (98%)	-0.16	0 100 100	49, 77, 88, 94	0
32	DI	146/148 (98%)	0.14	5 (3%) 45 24	49, 78, 88, 94	0
33	BN	140/140 (100%)	-0.37	0 100 100	33, 48, 71, 78	0
33	DN	140/140 (100%)	-0.42	0 100 100	35, 52, 73, 81	0
34	BO	122/122 (100%)	-0.50	0 100 100	23, 40, 61, 76	0
34	DO	122/122 (100%)	-0.47	0 100 100	37, 53, 71, 80	0
35	BP	149/150 (99%)	-0.32	0 100 100	25, 54, 77, 83	0
35	DP	149/150 (99%)	-0.07	1 (0%) 87 75	27, 57, 81, 87	0
36	BQ	141/141 (100%)	-0.33	0 100 100	36, 52, 68, 79	0
36	DQ	141/141 (100%)	-0.45	0 100 100	38, 55, 71, 81	0
37	BR	118/118 (100%)	-0.50	0 100 100	20, 35, 52, 64	0
37	DR	118/118 (100%)	-0.40	0 100 100	36, 52, 68, 84	0
38	BS	110/112 (98%)	-0.43	0 100 100	35, 54, 71, 85	0
38	DS	110/112 (98%)	0.27	5 (4%) 33 16	65, 81, 92, 95	0
39	BT	131/146 (89%)	-0.48	0 100 100	31, 45, 75, 92	0
39	DT	131/146 (89%)	-0.45	0 100 100	45, 59, 80, 90	0
40	BU	116/118 (98%)	-0.64	0 100 100	21, 31, 52, 63	0
40	DU	116/118 (98%)	-0.34	1 (0%) 84 69	36, 61, 78, 92	0
41	BV	101/101 (100%)	-0.42	0 100 100	27, 53, 73, 80	0
41	DV	101/101 (100%)	-0.19	0 100 100	29, 58, 78, 80	0
42	BW	112/113 (99%)	-0.43	0 100 100	27, 38, 62, 92	0
42	DW	112/113 (99%)	-0.25	0 100 100	30, 42, 64, 94	0
43	BX	95/96 (98%)	-0.37	0 100 100	29, 47, 72, 81	0
43	DX	95/96 (98%)	-0.29	2 (2%) 63 43	33, 51, 73, 82	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å^2)	Q<0.9
44	BY	107/110 (97%)	-0.19	2 (1%) 66 46	39, 61, 80, 89	0
44	DY	107/110 (97%)	0.29	4 (3%) 41 21	43, 65, 82, 92	0
45	BZ	171/206 (83%)	-0.39	0 100 100	53, 71, 85, 96	0
45	DZ	174/206 (84%)	-0.07	0 100 100	58, 74, 87, 95	0
46	B0	83/85 (97%)	-0.08	7 (8%) 11 4	25, 39, 80, 108	0
46	D0	83/85 (97%)	0.42	10 (12%) 4 2	42, 66, 86, 104	0
47	B1	97/98 (98%)	-0.27	1 (1%) 82 67	27, 44, 74, 83	0
47	D1	97/98 (98%)	-0.23	1 (1%) 82 67	35, 58, 79, 86	0
48	B2	70/72 (97%)	-0.54	0 100 100	35, 48, 64, 90	0
48	D2	70/72 (97%)	-0.26	0 100 100	59, 74, 83, 92	0
49	B3	59/60 (98%)	-0.36	0 100 100	24, 38, 63, 85	0
49	D3	59/60 (98%)	0.19	1 (1%) 70 49	45, 62, 80, 90	0
50	B4	69/71 (97%)	-0.18	1 (1%) 75 56	60, 85, 103, 105	0
50	D4	69/71 (97%)	0.38	5 (7%) 15 6	82, 96, 106, 112	0
51	B5	59/60 (98%)	-0.61	0 100 100	14, 36, 59, 74	0
51	D5	59/60 (98%)	-0.54	0 100 100	31, 50, 72, 82	0
52	B6	53/54 (98%)	-0.27	0 100 100	43, 53, 68, 75	0
52	D6	53/54 (98%)	-0.25	0 100 100	45, 56, 69, 73	0
53	B7	48/49 (97%)	-0.30	0 100 100	24, 32, 62, 84	0
53	D7	48/49 (97%)	-0.15	1 (2%) 63 43	26, 35, 63, 86	0
54	B8	64/65 (98%)	-0.30	0 100 100	31, 42, 51, 64	0
54	D8	64/65 (98%)	-0.30	0 100 100	34, 46, 56, 66	0
55	B9	37/37 (100%)	0.06	0 100 100	43, 53, 71, 77	0
55	D9	37/37 (100%)	0.62	3 (8%) 12 5	46, 58, 73, 78	0
All	All	20462/21468 (95%)	-0.18	362 (1%) 68 47	14, 65, 95, 123	0

The worst 5 of 362 RSRZ outliers are listed below:

Mol	Chain	Res	Type	RSRZ
13	CM	124	PRO	15.2
13	CM	123	ALA	12.7
13	AM	124	PRO	9.7
13	AM	123	ALA	9.5
46	B0	3	HIS	8.1

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

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
24	004	AW	3	10/11	0.83	0.13	71,89,99,106	0
24	2R1	AW	6	10/11	0.90	0.12	68,82,98,104	0
24	2QY	CW	10	13/14	0.91	0.14	55,69,84,94	0
24	MVA	CW	9	8/9	0.92	0.21	61,72,80,84	0
24	MVA	AW	5	8/9	0.93	0.19	66,87,90,90	0
24	MVA	AW	9	8/9	0.93	0.24	65,78,87,91	0
24	MVA	CW	5	8/9	0.94	0.20	51,78,86,88	0
24	2R1	CW	6	10/11	0.94	0.11	79,86,90,94	0
24	004	CW	3	10/11	0.94	0.15	60,76,84,86	0
24	2QZ	AW	1	9/10	0.95	0.22	58,64,81,82	0
24	2QZ	CW	1	9/10	0.95	0.24	57,72,81,93	0
24	2R3	AW	8	14/15	0.95	0.15	54,79,87,90	0
24	2R3	CW	8	14/15	0.96	0.11	47,70,74,79	0
24	2QY	AW	10	13/14	0.97	0.14	55,67,75,79	0

6.3 Carbohydrates

There are no monosaccharides in this entry.

6.4 Ligands

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

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	AA	3093	1/1	0.37	0.58	88,88,88,88	0
56	MG	BA	3094	1/1	0.40	0.86	61,61,61,61	0
56	MG	BA	3295	1/1	0.40	0.57	75,75,75,75	0
56	MG	AA	3043	1/1	0.50	0.50	74,74,74,74	0
56	MG	CA	3041	1/1	0.50	0.69	75,75,75,75	0
56	MG	BA	3247	1/1	0.51	0.96	68,68,68,68	0
56	MG	CA	3042	1/1	0.58	0.56	85,85,85,85	0
56	MG	DA	3427	1/1	0.58	0.54	60,60,60,60	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	AA	3079	1/1	0.60	1.07	74,74,74,74	0
56	MG	AA	3114	1/1	0.60	0.51	66,66,66,66	0
56	MG	DA	3464	1/1	0.60	0.56	50,50,50,50	0
56	MG	AA	3116	1/1	0.61	0.53	52,52,52,52	0
56	MG	B4	3001	1/1	0.61	0.27	100,100,100,100	0
56	MG	CA	3053	1/1	0.62	1.19	73,73,73,73	0
56	MG	AA	3147	1/1	0.63	0.49	61,61,61,61	0
56	MG	BA	3613	1/1	0.64	0.29	76,76,76,76	0
56	MG	AA	3087	1/1	0.64	0.36	72,72,72,72	0
56	MG	CA	3016	1/1	0.64	0.48	76,76,76,76	0
56	MG	AA	3045	1/1	0.64	0.31	61,61,61,61	0
56	MG	AA	3028	1/1	0.65	0.46	60,60,60,60	0
56	MG	DA	3135	1/1	0.65	0.23	50,50,50,50	0
56	MG	BA	3622	1/1	0.65	0.52	77,77,77,77	0
56	MG	AA	3129	1/1	0.65	0.30	77,77,77,77	0
56	MG	DA	3162	1/1	0.66	0.13	71,71,71,71	0
56	MG	BA	3691	1/1	0.67	0.38	49,49,49,49	0
56	MG	DA	3068	1/1	0.67	0.33	55,55,55,55	0
56	MG	DA	3545	1/1	0.67	0.62	75,75,75,75	0
56	MG	DA	3186	1/1	0.68	0.51	53,53,53,53	0
56	MG	DA	3131	1/1	0.68	0.23	54,54,54,54	0
56	MG	CA	3025	1/1	0.69	0.18	94,94,94,94	0
56	MG	CA	3038	1/1	0.69	0.46	70,70,70,70	0
56	MG	DA	3211	1/1	0.69	0.10	51,51,51,51	0
56	MG	DA	3125	1/1	0.69	0.55	48,48,48,48	0
56	MG	AA	3023	1/1	0.69	0.17	65,65,65,65	0
56	MG	AX	102	1/1	0.69	0.25	74,74,74,74	0
56	MG	DB	3003	1/1	0.69	0.12	63,63,63,63	0
56	MG	AA	3084	1/1	0.70	0.36	78,78,78,78	0
56	MG	DA	3103	1/1	0.70	0.78	48,48,48,48	0
56	MG	BA	3579	1/1	0.70	0.24	63,63,63,63	0
56	MG	CA	3135	1/1	0.70	0.56	76,76,76,76	0
59	FME	CX	101	10/11	0.70	0.57	71,82,97,105	0
56	MG	CA	3030	1/1	0.71	0.45	73,73,73,73	0
56	MG	AA	3048	1/1	0.71	0.25	57,57,57,57	0
56	MG	DA	3223	1/1	0.71	0.26	66,66,66,66	0
56	MG	DA	3117	1/1	0.71	0.17	53,53,53,53	0
56	MG	BA	3270	1/1	0.71	0.31	50,50,50,50	0
56	MG	AA	3128	1/1	0.71	0.20	68,68,68,68	0
56	MG	DA	3581	1/1	0.71	0.86	73,73,73,73	0
56	MG	AA	3044	1/1	0.71	0.22	66,66,66,66	0
56	MG	BA	3235	1/1	0.71	0.28	47,47,47,47	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	CA	3024	1/1	0.72	0.44	65,65,65,65	0
56	MG	BA	3703	1/1	0.72	0.22	31,31,31,31	0
56	MG	AA	3037	1/1	0.72	0.41	61,61,61,61	0
58	ZN	B4	3002	1/1	0.72	0.07	165,165,165,165	0
56	MG	BA	3263	1/1	0.72	0.23	79,79,79,79	0
56	MG	CA	3055	1/1	0.73	0.28	62,62,62,62	0
56	MG	CA	3067	1/1	0.73	0.30	80,80,80,80	0
56	MG	BA	3065	1/1	0.73	0.44	50,50,50,50	0
56	MG	BA	3085	1/1	0.73	0.46	48,48,48,48	0
56	MG	AA	3020	1/1	0.73	0.10	77,77,77,77	0
56	MG	BA	3632	1/1	0.73	0.30	57,57,57,57	0
56	MG	BA	3289	1/1	0.73	0.34	60,60,60,60	0
56	MG	AA	3065	1/1	0.73	0.27	60,60,60,60	0
56	MG	DW	202	1/1	0.73	0.42	58,58,58,58	0
56	MG	BF	307	1/1	0.73	0.40	47,47,47,47	0
56	MG	BA	3297	1/1	0.73	1.46	53,53,53,53	0
56	MG	B1	3001	1/1	0.74	0.86	54,54,54,54	0
56	MG	AA	3086	1/1	0.74	0.30	51,51,51,51	0
56	MG	BA	3287	1/1	0.74	0.17	53,53,53,53	0
56	MG	BA	3699	1/1	0.74	0.52	56,56,56,56	0
56	MG	BA	3089	1/1	0.74	0.57	61,61,61,61	0
56	MG	AA	3006	1/1	0.74	0.08	78,78,78,78	0
56	MG	DA	3438	1/1	0.74	0.51	70,70,70,70	0
56	MG	DA	3011	1/1	0.75	0.38	45,45,45,45	0
56	MG	DA	3049	1/1	0.75	0.30	58,58,58,58	0
56	MG	AA	3117	1/1	0.75	0.26	71,71,71,71	0
56	MG	AA	3035	1/1	0.76	0.42	71,71,71,71	0
56	MG	BA	3206	1/1	0.76	0.35	57,57,57,57	0
56	MG	DA	3056	1/1	0.76	0.37	43,43,43,43	0
56	MG	DA	3228	1/1	0.76	0.25	45,45,45,45	0
56	MG	DA	3410	1/1	0.76	0.22	69,69,69,69	0
56	MG	DA	3064	1/1	0.76	0.41	50,50,50,50	0
56	MG	CA	3018	1/1	0.76	0.31	54,54,54,54	0
56	MG	BA	3231	1/1	0.76	0.55	38,38,38,38	0
56	MG	BU	206	1/1	0.76	0.38	60,60,60,60	0
56	MG	DA	3123	1/1	0.76	0.23	59,59,59,59	0
56	MG	BA	3075	1/1	0.76	0.26	45,45,45,45	0
56	MG	CA	3127	1/1	0.76	0.25	79,79,79,79	0
56	MG	CA	3033	1/1	0.76	0.19	68,68,68,68	0
56	MG	CX	103	1/1	0.76	0.25	60,60,60,60	0
56	MG	DA	3587	1/1	0.77	0.14	64,64,64,64	0
56	MG	AX	108	1/1	0.77	0.21	61,61,61,61	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	AA	3090	1/1	0.77	0.17	68,68,68,68	0
56	MG	AA	3120	1/1	0.77	0.63	71,71,71,71	0
56	MG	AA	3051	1/1	0.77	0.50	73,73,73,73	0
56	MG	AA	3100	1/1	0.78	0.67	40,40,40,40	0
56	MG	AA	3127	1/1	0.78	0.18	62,62,62,62	0
56	MG	BA	3275	1/1	0.78	0.20	46,46,46,46	0
56	MG	BA	3160	1/1	0.78	0.65	53,53,53,53	0
56	MG	AA	3063	1/1	0.78	0.30	61,61,61,61	0
56	MG	BA	3718	1/1	0.78	0.37	57,57,57,57	0
56	MG	AA	3088	1/1	0.78	0.33	63,63,63,63	0
56	MG	DA	3615	1/1	0.78	0.40	60,60,60,60	0
56	MG	AA	3096	1/1	0.78	0.28	44,44,44,44	0
56	MG	BA	3241	1/1	0.78	0.38	63,63,63,63	0
56	MG	BA	3087	1/1	0.78	0.45	61,61,61,61	0
56	MG	DA	3098	1/1	0.78	1.25	43,43,43,43	0
56	MG	DA	3089	1/1	0.79	0.39	57,57,57,57	0
56	MG	BA	3022	1/1	0.79	0.34	52,52,52,52	0
56	MG	BB	3005	1/1	0.79	0.28	61,61,61,61	0
56	MG	CA	3021	1/1	0.79	0.22	53,53,53,53	0
56	MG	BA	3209	1/1	0.79	0.38	40,40,40,40	0
56	MG	DA	3352	1/1	0.79	0.38	47,47,47,47	0
56	MG	DG	3001	1/1	0.79	0.14	63,63,63,63	0
56	MG	AA	3071	1/1	0.79	0.29	60,60,60,60	0
56	MG	AA	3113	1/1	0.79	0.28	68,68,68,68	0
56	MG	AA	3076	1/1	0.79	0.29	66,66,66,66	0
56	MG	DA	3293	1/1	0.80	0.27	53,53,53,53	0
56	MG	DA	3314	1/1	0.80	0.19	64,64,64,64	0
56	MG	BA	3158	1/1	0.80	0.54	64,64,64,64	0
56	MG	DA	3402	1/1	0.80	0.08	61,61,61,61	0
56	MG	CA	3062	1/1	0.80	0.26	57,57,57,57	0
56	MG	BA	3069	1/1	0.80	0.44	41,41,41,41	0
56	MG	DA	3113	1/1	0.80	0.57	43,43,43,43	0
56	MG	DA	3454	1/1	0.80	0.31	55,55,55,55	0
56	MG	BA	3731	1/1	0.80	0.36	55,55,55,55	0
56	MG	DA	3499	1/1	0.80	0.13	46,46,46,46	0
56	MG	DA	3525	1/1	0.80	0.70	70,70,70,70	0
56	MG	AA	3110	1/1	0.80	0.24	48,48,48,48	0
56	MG	CA	3138	1/1	0.80	0.24	72,72,72,72	0
56	MG	CA	3147	1/1	0.80	0.26	66,66,66,66	0
56	MG	AA	3061	1/1	0.80	0.19	82,82,82,82	0
56	MG	AA	3118	1/1	0.80	0.32	52,52,52,52	0
56	MG	DB	3007	1/1	0.80	0.27	45,45,45,45	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	B0	103	1/1	0.80	0.84	59,59,59,59	0
56	MG	BA	3658	1/1	0.80	0.27	79,79,79,79	0
56	MG	BA	3029	1/1	0.80	0.38	53,53,53,53	0
56	MG	AA	3089	1/1	0.80	0.43	78,78,78,78	0
56	MG	BA	3370	1/1	0.81	0.19	54,54,54,54	0
56	MG	BA	3180	1/1	0.81	0.99	43,43,43,43	0
56	MG	CA	3057	1/1	0.81	0.26	49,49,49,49	0
56	MG	CA	3060	1/1	0.81	0.37	43,43,43,43	0
56	MG	AA	3085	1/1	0.81	0.32	69,69,69,69	0
56	MG	BB	3003	1/1	0.81	0.25	43,43,43,43	0
56	MG	CA	3073	1/1	0.81	0.39	55,55,55,55	0
56	MG	DA	3492	1/1	0.81	0.37	68,68,68,68	0
56	MG	CA	3123	1/1	0.81	0.14	77,77,77,77	0
56	MG	BB	3004	1/1	0.81	0.26	54,54,54,54	0
56	MG	AA	3012	1/1	0.81	0.14	56,56,56,56	0
56	MG	BA	3146	1/1	0.81	0.29	52,52,52,52	0
56	MG	CA	3144	1/1	0.81	0.59	63,63,63,63	0
56	MG	BA	3155	1/1	0.81	0.38	57,57,57,57	0
56	MG	DA	3647	1/1	0.81	0.37	66,66,66,66	0
56	MG	DB	3001	1/1	0.81	0.25	68,68,68,68	0
56	MG	CA	3172	1/1	0.81	0.15	51,51,51,51	0
56	MG	CE	3001	1/1	0.81	0.32	68,68,68,68	0
56	MG	DE	302	1/1	0.81	0.38	44,44,44,44	0
56	MG	BW	201	1/1	0.81	0.88	53,53,53,53	0
56	MG	DA	3003	1/1	0.81	0.35	56,56,56,56	0
56	MG	AA	3030	1/1	0.81	0.32	69,69,69,69	0
56	MG	AX	103	1/1	0.81	0.08	66,66,66,66	0
56	MG	CA	3015	1/1	0.82	0.34	51,51,51,51	0
56	MG	BA	3244	1/1	0.82	0.47	65,65,65,65	0
56	MG	DA	3279	1/1	0.82	0.31	63,63,63,63	0
56	MG	CA	3161	1/1	0.82	0.12	54,54,54,54	0
56	MG	BA	3083	1/1	0.82	0.23	63,63,63,63	0
56	MG	BA	3157	1/1	0.82	0.39	63,63,63,63	0
56	MG	DA	3388	1/1	0.82	0.16	54,54,54,54	0
56	MG	BA	3706	1/1	0.82	0.46	63,63,63,63	0
56	MG	BA	3402	1/1	0.82	0.25	71,71,71,71	0
56	MG	BA	3719	1/1	0.82	0.25	25,25,25,25	0
56	MG	DA	3024	1/1	0.82	0.36	65,65,65,65	0
56	MG	BA	3444	1/1	0.82	0.15	74,74,74,74	0
56	MG	BA	3736	1/1	0.82	0.24	48,48,48,48	0
56	MG	BA	3739	1/1	0.82	0.76	50,50,50,50	0
56	MG	DA	3497	1/1	0.82	0.23	60,60,60,60	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($Å^2$)	Q<0.9
56	MG	BA	3452	1/1	0.82	0.26	47,47,47,47	0
56	MG	BA	3562	1/1	0.82	0.10	73,73,73,73	0
56	MG	BA	3123	1/1	0.82	0.33	69,69,69,69	0
56	MG	BD	311	1/1	0.82	0.54	45,45,45,45	0
56	MG	BA	3611	1/1	0.82	0.28	52,52,52,52	0
56	MG	BA	3134	1/1	0.82	0.31	47,47,47,47	0
56	MG	AA	3038	1/1	0.82	0.35	66,66,66,66	0
56	MG	BA	3242	1/1	0.82	0.36	48,48,48,48	0
56	MG	CA	3114	1/1	0.82	0.27	82,82,82,82	0
56	MG	BA	3290	1/1	0.82	0.24	49,49,49,49	0
56	MG	B2	101	1/1	0.82	0.36	40,40,40,40	0
56	MG	BA	3677	1/1	0.82	0.27	67,67,67,67	0
56	MG	DQ	205	1/1	0.82	0.40	55,55,55,55	0
56	MG	DA	3187	1/1	0.82	0.44	59,59,59,59	0
56	MG	DA	3189	1/1	0.82	0.11	55,55,55,55	0
56	MG	CA	3007	1/1	0.82	0.56	68,68,68,68	0
56	MG	BZ	3001	1/1	0.83	0.28	61,61,61,61	0
56	MG	CA	3032	1/1	0.83	0.20	42,42,42,42	0
56	MG	B0	102	1/1	0.83	0.61	40,40,40,40	0
56	MG	CA	3139	1/1	0.83	0.27	75,75,75,75	0
56	MG	CA	3035	1/1	0.83	0.23	52,52,52,52	0
56	MG	AA	3014	1/1	0.83	0.19	28,28,28,28	0
56	MG	BA	3334	1/1	0.83	0.30	73,73,73,73	0
56	MG	BA	3071	1/1	0.83	0.30	55,55,55,55	0
56	MG	DA	3140	1/1	0.83	0.34	54,54,54,54	0
56	MG	DA	3515	1/1	0.83	0.21	48,48,48,48	0
56	MG	CA	3048	1/1	0.83	0.20	62,62,62,62	0
56	MG	DA	3163	1/1	0.83	0.18	39,39,39,39	0
56	MG	AA	3022	1/1	0.83	0.27	48,48,48,48	0
56	MG	CA	3003	1/1	0.83	0.11	66,66,66,66	0
56	MG	DA	3598	1/1	0.83	0.30	66,66,66,66	0
56	MG	BA	3673	1/1	0.83	0.20	53,53,53,53	0
56	MG	DA	3631	1/1	0.83	0.17	56,56,56,56	0
56	MG	BA	3279	1/1	0.83	0.22	48,48,48,48	0
56	MG	BA	3164	1/1	0.83	0.72	56,56,56,56	0
56	MG	BA	3496	1/1	0.83	0.40	57,57,57,57	0
56	MG	BA	3166	1/1	0.83	0.53	59,59,59,59	0
56	MG	BA	3152	1/1	0.83	0.33	46,46,46,46	0
56	MG	DA	3071	1/1	0.83	0.52	46,46,46,46	0
56	MG	DA	3318	1/1	0.83	0.11	45,45,45,45	0
56	MG	DA	3087	1/1	0.83	0.16	49,49,49,49	0
56	MG	DA	3367	1/1	0.83	0.26	42,42,42,42	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($Å^2$)	Q<0.9
56	MG	BA	3068	1/1	0.83	0.45	54,54,54,54	0
56	MG	DA	3198	1/1	0.84	0.29	48,48,48,48	0
56	MG	BA	3240	1/1	0.84	0.17	28,28,28,28	0
56	MG	BA	3102	1/1	0.84	0.32	52,52,52,52	0
56	MG	CA	3031	1/1	0.84	0.39	53,53,53,53	0
56	MG	DA	3256	1/1	0.84	0.18	63,63,63,63	0
56	MG	DA	3104	1/1	0.84	0.28	62,62,62,62	0
56	MG	AA	3059	1/1	0.84	1.19	54,54,54,54	0
56	MG	CA	3070	1/1	0.84	0.34	55,55,55,55	0
56	MG	BA	3288	1/1	0.84	0.22	61,61,61,61	0
56	MG	DA	3609	1/1	0.84	0.35	64,64,64,64	0
56	MG	CA	3081	1/1	0.84	0.10	72,72,72,72	0
56	MG	CA	3008	1/1	0.84	0.78	53,53,53,53	0
56	MG	AA	3029	1/1	0.84	0.69	52,52,52,52	0
56	MG	AA	3077	1/1	0.84	0.41	65,65,65,65	0
56	MG	AA	3140	1/1	0.84	0.12	70,70,70,70	0
56	MG	DA	3423	1/1	0.84	0.15	29,29,29,29	0
56	MG	BA	3165	1/1	0.84	0.31	53,53,53,53	0
56	MG	CA	3023	1/1	0.84	0.14	37,37,37,37	0
56	MG	DA	3084	1/1	0.84	0.32	70,70,70,70	0
56	MG	DA	3458	1/1	0.84	0.15	71,71,71,71	0
56	MG	BA	3598	1/1	0.84	0.12	56,56,56,56	0
56	MG	DA	3483	1/1	0.84	0.19	49,49,49,49	0
56	MG	BA	3136	1/1	0.85	0.23	58,58,58,58	0
56	MG	DA	3357	1/1	0.85	0.20	56,56,56,56	0
56	MG	BA	3140	1/1	0.85	0.19	64,64,64,64	0
56	MG	BA	3040	1/1	0.85	0.35	51,51,51,51	0
56	MG	AA	3015	1/1	0.85	0.16	73,73,73,73	0
56	MG	BA	3624	1/1	0.85	0.25	52,52,52,52	0
56	MG	CA	3103	1/1	0.85	0.19	83,83,83,83	0
56	MG	DA	3099	1/1	0.85	0.27	44,44,44,44	0
56	MG	CA	3109	1/1	0.85	0.11	83,83,83,83	0
56	MG	BA	3626	1/1	0.85	0.11	43,43,43,43	0
56	MG	DA	3456	1/1	0.85	0.13	47,47,47,47	0
56	MG	BB	3017	1/1	0.85	0.20	64,64,64,64	0
56	MG	BD	301	1/1	0.85	0.27	28,28,28,28	0
56	MG	BA	3088	1/1	0.85	0.36	56,56,56,56	0
56	MG	DA	3484	1/1	0.85	0.25	51,51,51,51	0
56	MG	DA	3124	1/1	0.85	0.13	67,67,67,67	0
56	MG	AA	3094	1/1	0.85	0.21	68,68,68,68	0
56	MG	BU	205	1/1	0.85	0.33	42,42,42,42	0
56	MG	BA	3669	1/1	0.85	0.24	75,75,75,75	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	AA	3164	1/1	0.85	0.38	69,69,69,69	0
56	MG	DA	3531	1/1	0.85	0.09	57,57,57,57	0
56	MG	DA	3157	1/1	0.85	0.99	62,62,62,62	0
56	MG	CA	3158	1/1	0.85	0.22	76,76,76,76	0
56	MG	BA	3009	1/1	0.85	0.17	25,25,25,25	0
56	MG	CA	3163	1/1	0.85	0.24	65,65,65,65	0
56	MG	BA	3111	1/1	0.85	0.40	53,53,53,53	0
56	MG	DA	3613	1/1	0.85	0.16	54,54,54,54	0
56	MG	CA	3039	1/1	0.85	0.36	72,72,72,72	0
56	MG	AA	3212	1/1	0.85	0.15	79,79,79,79	0
56	MG	AA	3218	1/1	0.85	0.54	65,65,65,65	0
56	MG	DA	3222	1/1	0.85	0.13	71,71,71,71	0
56	MG	BA	3175	1/1	0.85	0.25	48,48,48,48	0
56	MG	BA	3135	1/1	0.85	0.17	42,42,42,42	0
56	MG	DD	307	1/1	0.85	0.61	38,38,38,38	0
56	MG	DA	3238	1/1	0.85	0.10	61,61,61,61	0
56	MG	DF	302	1/1	0.85	0.27	43,43,43,43	0
56	MG	B7	104	1/1	0.85	0.13	51,51,51,51	0
56	MG	BA	3285	1/1	0.85	0.14	32,32,32,32	0
56	MG	DR	201	1/1	0.85	0.62	65,65,65,65	0
56	MG	DV	202	1/1	0.85	0.84	63,63,63,63	0
56	MG	DA	3061	1/1	0.85	0.45	52,52,52,52	0
56	MG	CA	3005	1/1	0.85	0.32	54,54,54,54	0
58	ZN	D4	501	1/1	0.85	0.09	153,153,153,153	0
56	MG	DA	3065	1/1	0.85	0.19	38,38,38,38	0
56	MG	BA	3110	1/1	0.86	0.34	55,55,55,55	0
56	MG	BE	303	1/1	0.86	0.17	29,29,29,29	0
56	MG	DA	3482	1/1	0.86	0.13	55,55,55,55	0
56	MG	CQ	201	1/1	0.86	0.19	56,56,56,56	0
56	MG	BA	3027	1/1	0.86	0.23	45,45,45,45	0
56	MG	CA	3063	1/1	0.86	0.09	61,61,61,61	0
56	MG	BF	308	1/1	0.86	0.25	28,28,28,28	0
56	MG	DA	3022	1/1	0.86	0.25	45,45,45,45	0
56	MG	DA	3168	1/1	0.86	0.39	48,48,48,48	0
56	MG	CA	3068	1/1	0.86	0.11	41,41,41,41	0
56	MG	DA	3036	1/1	0.86	0.29	35,35,35,35	0
56	MG	BA	3249	1/1	0.86	0.24	40,40,40,40	0
56	MG	DA	3553	1/1	0.86	0.36	70,70,70,70	0
56	MG	BA	3590	1/1	0.86	0.13	64,64,64,64	0
56	MG	BA	3253	1/1	0.86	0.16	51,51,51,51	0
56	MG	DA	3592	1/1	0.86	0.15	65,65,65,65	0
56	MG	DA	3062	1/1	0.86	0.34	55,55,55,55	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	BA	3712	1/1	0.86	0.09	58,58,58,58	0
56	MG	AX	106	1/1	0.86	0.17	73,73,73,73	0
56	MG	CA	3110	1/1	0.86	0.21	97,97,97,97	0
56	MG	DA	3070	1/1	0.86	0.27	44,44,44,44	0
56	MG	DA	3632	1/1	0.86	0.19	71,71,71,71	0
56	MG	AA	3004	1/1	0.86	0.15	55,55,55,55	0
56	MG	AA	3013	1/1	0.86	0.23	78,78,78,78	0
56	MG	BA	3277	1/1	0.86	0.37	45,45,45,45	0
56	MG	CA	3131	1/1	0.86	0.10	55,55,55,55	0
56	MG	DA	3093	1/1	0.86	0.20	53,53,53,53	0
56	MG	DA	3095	1/1	0.86	0.23	61,61,61,61	0
56	MG	AA	3001	1/1	0.86	0.18	68,68,68,68	0
56	MG	BA	3282	1/1	0.86	0.37	49,49,49,49	0
56	MG	B9	502	1/1	0.86	0.27	49,49,49,49	0
56	MG	BA	3641	1/1	0.86	0.12	45,45,45,45	0
56	MG	DA	3112	1/1	0.86	0.43	54,54,54,54	0
56	MG	DV	203	1/1	0.86	0.74	54,54,54,54	0
56	MG	BA	3198	1/1	0.86	0.14	52,52,52,52	0
56	MG	D5	101	1/1	0.86	0.48	53,53,53,53	0
56	MG	BA	3462	1/1	0.86	0.12	52,52,52,52	0
56	MG	CA	3054	1/1	0.86	0.39	48,48,48,48	0
59	FME	AX	101	10/11	0.86	0.44	48,75,97,113	0
56	MG	BA	3474	1/1	0.86	0.21	42,42,42,42	0
56	MG	DA	3481	1/1	0.87	0.27	47,47,47,47	0
56	MG	DA	3032	1/1	0.87	0.13	46,46,46,46	0
56	MG	BA	3643	1/1	0.87	0.28	43,43,43,43	0
56	MG	BA	3156	1/1	0.87	0.40	56,56,56,56	0
56	MG	DA	3053	1/1	0.87	0.15	42,42,42,42	0
56	MG	DA	3161	1/1	0.87	0.30	60,60,60,60	0
56	MG	CA	3125	1/1	0.87	0.13	72,72,72,72	0
56	MG	DA	3500	1/1	0.87	0.17	50,50,50,50	0
56	MG	DA	3058	1/1	0.87	0.34	47,47,47,47	0
56	MG	DA	3060	1/1	0.87	0.25	55,55,55,55	0
56	MG	DA	3171	1/1	0.87	0.25	39,39,39,39	0
56	MG	BB	3008	1/1	0.87	0.21	35,35,35,35	0
56	MG	BA	3495	1/1	0.87	0.34	84,84,84,84	0
56	MG	BA	3006	1/1	0.87	0.27	42,42,42,42	0
56	MG	BA	3501	1/1	0.87	0.25	59,59,59,59	0
56	MG	DA	3591	1/1	0.87	0.26	58,58,58,58	0
56	MG	AA	3075	1/1	0.87	0.11	52,52,52,52	0
56	MG	CA	3142	1/1	0.87	0.18	59,59,59,59	0
56	MG	AA	3137	1/1	0.87	0.21	42,42,42,42	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\AA^2$)	Q<0.9
56	MG	DA	3079	1/1	0.87	0.27	37,37,37,37	0
56	MG	DA	3080	1/1	0.87	0.14	44,44,44,44	0
56	MG	DA	3081	1/1	0.87	0.20	48,48,48,48	0
56	MG	DA	3260	1/1	0.87	0.10	40,40,40,40	0
56	MG	CA	3146	1/1	0.87	0.20	69,69,69,69	0
56	MG	DA	3292	1/1	0.87	0.22	37,37,37,37	0
56	MG	BA	3252	1/1	0.87	0.17	55,55,55,55	0
56	MG	CA	3155	1/1	0.87	0.16	71,71,71,71	0
56	MG	DD	302	1/1	0.87	0.23	46,46,46,46	0
56	MG	BA	3214	1/1	0.87	0.09	53,53,53,53	0
56	MG	BA	3221	1/1	0.87	0.27	44,44,44,44	0
56	MG	BA	3268	1/1	0.87	0.17	46,46,46,46	0
56	MG	BW	203	1/1	0.87	0.32	45,45,45,45	0
56	MG	AA	3067	1/1	0.87	0.37	87,87,87,87	0
56	MG	BA	3727	1/1	0.87	0.66	68,68,68,68	0
56	MG	DA	3108	1/1	0.87	0.46	37,37,37,37	0
56	MG	AA	3042	1/1	0.87	0.33	44,44,44,44	0
56	MG	CA	3091	1/1	0.87	0.17	72,72,72,72	0
56	MG	DA	3115	1/1	0.87	0.09	63,63,63,63	0
56	MG	DA	3009	1/1	0.87	0.12	31,31,31,31	0
56	MG	BA	3236	1/1	0.87	0.17	36,36,36,36	0
56	MG	AA	3074	1/1	0.87	0.44	47,47,47,47	0
56	MG	AA	3166	1/1	0.87	0.18	48,48,48,48	0
60	K	BA	3300	1/1	0.87	0.28	100,100,100,100	0
56	MG	BA	3092	1/1	0.88	0.27	51,51,51,51	0
56	MG	DA	3067	1/1	0.88	0.54	43,43,43,43	0
56	MG	BA	3163	1/1	0.88	0.17	50,50,50,50	0
56	MG	AA	3032	1/1	0.88	0.28	57,57,57,57	0
56	MG	DA	3310	1/1	0.88	0.21	53,53,53,53	0
56	MG	BA	3100	1/1	0.88	0.25	48,48,48,48	0
56	MG	DA	3078	1/1	0.88	0.17	44,44,44,44	0
56	MG	DA	3343	1/1	0.88	0.21	41,41,41,41	0
56	MG	AA	3131	1/1	0.88	0.50	56,56,56,56	0
56	MG	CA	3126	1/1	0.88	0.24	61,61,61,61	0
56	MG	BA	3168	1/1	0.88	0.28	42,42,42,42	0
56	MG	BA	3045	1/1	0.88	0.29	34,34,34,34	0
56	MG	DA	3398	1/1	0.88	0.15	35,35,35,35	0
56	MG	DA	3086	1/1	0.88	0.30	43,43,43,43	0
56	MG	BA	3514	1/1	0.88	0.14	37,37,37,37	0
56	MG	BA	3058	1/1	0.88	0.45	38,38,38,38	0
56	MG	DA	3092	1/1	0.88	0.60	39,39,39,39	0
56	MG	CA	3027	1/1	0.88	0.17	57,57,57,57	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($Å^2$)	Q<0.9
56	MG	BA	3192	1/1	0.88	0.48	58,58,58,58	0
56	MG	CA	3143	1/1	0.88	0.07	87,87,87,87	0
56	MG	BA	3062	1/1	0.88	0.34	42,42,42,42	0
56	MG	DA	3102	1/1	0.88	0.25	41,41,41,41	0
56	MG	BA	3205	1/1	0.88	0.19	40,40,40,40	0
56	MG	BA	3280	1/1	0.88	0.69	69,69,69,69	0
56	MG	CA	3034	1/1	0.88	0.26	65,65,65,65	0
56	MG	DA	3110	1/1	0.88	0.14	49,49,49,49	0
56	MG	CA	3157	1/1	0.88	0.11	54,54,54,54	0
56	MG	AN	103	1/1	0.88	0.38	60,60,60,60	0
56	MG	CA	3159	1/1	0.88	0.61	91,91,91,91	0
56	MG	AA	3132	1/1	0.88	0.36	76,76,76,76	0
56	MG	DA	3119	1/1	0.88	0.15	44,44,44,44	0
56	MG	DA	3524	1/1	0.88	0.12	28,28,28,28	0
56	MG	DA	3122	1/1	0.88	0.15	62,62,62,62	0
56	MG	AA	3133	1/1	0.88	0.35	63,63,63,63	0
56	MG	CA	3164	1/1	0.88	0.39	49,49,49,49	0
56	MG	CA	3040	1/1	0.88	0.35	42,42,42,42	0
56	MG	BG	3002	1/1	0.88	0.11	42,42,42,42	0
56	MG	DA	3134	1/1	0.88	0.23	46,46,46,46	0
56	MG	BN	3002	1/1	0.88	0.30	56,56,56,56	0
56	MG	BA	3216	1/1	0.88	0.22	41,41,41,41	0
56	MG	DA	3147	1/1	0.88	0.11	53,53,53,53	0
56	MG	DA	3599	1/1	0.88	0.23	72,72,72,72	0
56	MG	DA	3604	1/1	0.88	0.20	54,54,54,54	0
56	MG	DA	3150	1/1	0.88	0.21	64,64,64,64	0
56	MG	AA	3046	1/1	0.88	0.12	73,73,73,73	0
56	MG	DA	3005	1/1	0.88	0.21	42,42,42,42	0
56	MG	AA	3138	1/1	0.88	0.54	37,37,37,37	0
56	MG	AA	3033	1/1	0.88	0.38	64,64,64,64	0
56	MG	AA	3050	1/1	0.88	0.50	63,63,63,63	0
56	MG	BA	3298	1/1	0.88	0.33	49,49,49,49	0
56	MG	DA	3185	1/1	0.88	0.58	52,52,52,52	0
56	MG	BA	3320	1/1	0.88	0.29	57,57,57,57	0
56	MG	DB	3011	1/1	0.88	0.34	55,55,55,55	0
56	MG	AA	3009	1/1	0.88	0.23	79,79,79,79	0
56	MG	BA	3346	1/1	0.88	0.23	37,37,37,37	0
56	MG	BA	3693	1/1	0.88	0.14	64,64,64,64	0
56	MG	DA	3208	1/1	0.88	0.94	43,43,43,43	0
56	MG	DA	3210	1/1	0.88	0.14	40,40,40,40	0
56	MG	DQ	201	1/1	0.88	0.43	48,48,48,48	0
56	MG	BA	3354	1/1	0.88	0.15	74,74,74,74	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\AA^2$)	Q<0.9
56	MG	DA	3214	1/1	0.88	0.27	64,64,64,64	0
56	MG	DA	3217	1/1	0.88	0.57	54,54,54,54	0
56	MG	CA	3071	1/1	0.88	0.08	63,63,63,63	0
56	MG	BA	3023	1/1	0.88	0.13	66,66,66,66	0
56	MG	DA	3224	1/1	0.88	0.15	47,47,47,47	0
56	MG	CA	3002	1/1	0.88	0.07	62,62,62,62	0
56	MG	BA	3373	1/1	0.88	0.28	36,36,36,36	0
56	MG	DA	3240	1/1	0.88	0.26	51,51,51,51	0
56	MG	DA	3252	1/1	0.88	0.12	45,45,45,45	0
56	MG	AA	3019	1/1	0.88	0.39	74,74,74,74	0
56	MG	BA	3103	1/1	0.89	0.12	53,53,53,53	0
56	MG	DA	3405	1/1	0.89	0.10	47,47,47,47	0
56	MG	DA	3132	1/1	0.89	0.71	54,54,54,54	0
56	MG	CA	3079	1/1	0.89	0.14	48,48,48,48	0
56	MG	DA	3048	1/1	0.89	0.37	37,37,37,37	0
56	MG	BA	3104	1/1	0.89	0.28	45,45,45,45	0
56	MG	DA	3441	1/1	0.89	0.30	53,53,53,53	0
56	MG	DA	3145	1/1	0.89	0.46	65,65,65,65	0
56	MG	CA	3086	1/1	0.89	0.20	80,80,80,80	0
56	MG	BA	3215	1/1	0.89	0.14	69,69,69,69	0
56	MG	DA	3460	1/1	0.89	0.36	50,50,50,50	0
56	MG	AA	3002	1/1	0.89	0.20	57,57,57,57	0
56	MG	DA	3159	1/1	0.89	0.24	51,51,51,51	0
56	MG	BA	3218	1/1	0.89	0.20	62,62,62,62	0
56	MG	AA	3181	1/1	0.89	0.28	57,57,57,57	0
56	MG	BA	3509	1/1	0.89	0.16	27,27,27,27	0
56	MG	DA	3487	1/1	0.89	0.19	57,57,57,57	0
56	MG	DA	3167	1/1	0.89	0.23	48,48,48,48	0
56	MG	BA	3230	1/1	0.89	0.47	46,46,46,46	0
56	MG	DA	3169	1/1	0.89	0.38	57,57,57,57	0
56	MG	BA	3523	1/1	0.89	0.12	48,48,48,48	0
56	MG	BA	3558	1/1	0.89	0.22	35,35,35,35	0
56	MG	BA	3005	1/1	0.89	0.18	36,36,36,36	0
56	MG	CA	3029	1/1	0.89	0.15	59,59,59,59	0
56	MG	BA	3127	1/1	0.89	0.38	50,50,50,50	0
56	MG	DA	3191	1/1	0.89	0.44	47,47,47,47	0
56	MG	DA	3194	1/1	0.89	0.13	48,48,48,48	0
56	MG	DA	3560	1/1	0.89	0.11	34,34,34,34	0
56	MG	DA	3195	1/1	0.89	0.10	50,50,50,50	0
56	MG	BA	3585	1/1	0.89	0.17	51,51,51,51	0
56	MG	DA	3590	1/1	0.89	0.17	80,80,80,80	0
56	MG	DA	3200	1/1	0.89	0.21	42,42,42,42	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	AA	3047	1/1	0.89	0.31	61,61,61,61	0
56	MG	BA	3237	1/1	0.89	0.55	51,51,51,51	0
56	MG	BA	3292	1/1	0.89	0.21	63,63,63,63	0
56	MG	BA	3061	1/1	0.89	0.49	51,51,51,51	0
56	MG	CA	3036	1/1	0.89	0.52	68,68,68,68	0
56	MG	CA	3037	1/1	0.89	0.31	67,67,67,67	0
56	MG	AA	3139	1/1	0.89	0.34	56,56,56,56	0
56	MG	DA	3623	1/1	0.89	0.17	53,53,53,53	0
56	MG	BA	3017	1/1	0.89	0.54	44,44,44,44	0
56	MG	BN	3003	1/1	0.89	0.39	59,59,59,59	0
56	MG	DA	3638	1/1	0.89	0.30	62,62,62,62	0
56	MG	BA	3309	1/1	0.89	0.13	46,46,46,46	0
56	MG	CA	3160	1/1	0.89	0.13	59,59,59,59	0
56	MG	DA	3243	1/1	0.89	0.21	67,67,67,67	0
56	MG	BA	3177	1/1	0.89	0.21	62,62,62,62	0
56	MG	DA	3253	1/1	0.89	0.14	42,42,42,42	0
56	MG	AA	3039	1/1	0.89	0.24	60,60,60,60	0
56	MG	BA	3336	1/1	0.89	0.21	54,54,54,54	0
56	MG	CA	3170	1/1	0.89	0.48	50,50,50,50	0
56	MG	DA	3286	1/1	0.89	0.17	62,62,62,62	0
56	MG	BA	3147	1/1	0.89	0.24	46,46,46,46	0
56	MG	BA	3664	1/1	0.89	0.26	68,68,68,68	0
56	MG	BA	3251	1/1	0.89	0.21	61,61,61,61	0
56	MG	BA	3355	1/1	0.89	0.23	64,64,64,64	0
56	MG	BA	3356	1/1	0.89	0.27	56,56,56,56	0
56	MG	BA	3365	1/1	0.89	0.14	20,20,20,20	0
56	MG	DV	204	1/1	0.89	0.21	41,41,41,41	0
56	MG	BA	3197	1/1	0.89	0.30	39,39,39,39	0
56	MG	BA	3149	1/1	0.89	0.55	40,40,40,40	0
56	MG	DA	3361	1/1	0.89	0.11	61,61,61,61	0
56	MG	DA	3018	1/1	0.89	0.47	48,48,48,48	0
56	MG	DA	3387	1/1	0.89	0.14	56,56,56,56	0
56	MG	AA	3031	1/1	0.89	0.22	41,41,41,41	0
56	MG	AA	3134	1/1	0.89	0.43	70,70,70,70	0
56	MG	DA	3359	1/1	0.90	0.23	46,46,46,46	0
56	MG	BA	3181	1/1	0.90	0.34	38,38,38,38	0
56	MG	DA	3363	1/1	0.90	0.09	57,57,57,57	0
56	MG	BA	3730	1/1	0.90	0.64	45,45,45,45	0
56	MG	DA	3369	1/1	0.90	0.13	47,47,47,47	0
56	MG	BA	3183	1/1	0.90	0.24	48,48,48,48	0
56	MG	AA	3003	1/1	0.90	0.24	63,63,63,63	0
56	MG	DA	3391	1/1	0.90	0.14	41,41,41,41	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	BA	3738	1/1	0.90	0.35	59,59,59,59	0
56	MG	BA	3194	1/1	0.90	0.18	55,55,55,55	0
56	MG	AA	3092	1/1	0.90	0.51	50,50,50,50	0
56	MG	AA	3180	1/1	0.90	0.38	66,66,66,66	0
56	MG	BA	3007	1/1	0.90	0.23	35,35,35,35	0
56	MG	DA	3126	1/1	0.90	0.34	43,43,43,43	0
56	MG	DA	3128	1/1	0.90	0.19	52,52,52,52	0
56	MG	DA	3440	1/1	0.90	0.32	33,33,33,33	0
56	MG	DA	3129	1/1	0.90	0.14	43,43,43,43	0
56	MG	BA	3139	1/1	0.90	0.25	51,51,51,51	0
56	MG	CT	3001	1/1	0.90	0.43	57,57,57,57	0
56	MG	BA	3560	1/1	0.90	0.20	61,61,61,61	0
56	MG	AA	3119	1/1	0.90	0.37	63,63,63,63	0
56	MG	DA	3461	1/1	0.90	0.21	41,41,41,41	0
56	MG	DA	3462	1/1	0.90	0.11	55,55,55,55	0
56	MG	BA	3577	1/1	0.90	0.10	52,52,52,52	0
56	MG	DA	3465	1/1	0.90	0.16	49,49,49,49	0
56	MG	CA	3046	1/1	0.90	0.38	53,53,53,53	0
56	MG	BA	3578	1/1	0.90	0.32	54,54,54,54	0
56	MG	BE	305	1/1	0.90	0.70	42,42,42,42	0
56	MG	BA	3144	1/1	0.90	0.27	74,74,74,74	0
56	MG	BA	3011	1/1	0.90	0.09	37,37,37,37	0
56	MG	AA	3184	1/1	0.90	0.10	72,72,72,72	0
56	MG	BA	3596	1/1	0.90	0.12	51,51,51,51	0
56	MG	DA	3042	1/1	0.90	0.25	36,36,36,36	0
56	MG	DA	3044	1/1	0.90	0.13	46,46,46,46	0
56	MG	DA	3503	1/1	0.90	0.17	71,71,71,71	0
56	MG	DA	3046	1/1	0.90	0.18	56,56,56,56	0
56	MG	DA	3517	1/1	0.90	0.19	50,50,50,50	0
56	MG	BA	3019	1/1	0.90	0.18	39,39,39,39	0
56	MG	BQ	203	1/1	0.90	0.22	58,58,58,58	0
56	MG	BA	3609	1/1	0.90	0.12	46,46,46,46	0
56	MG	DA	3538	1/1	0.90	0.18	44,44,44,44	0
56	MG	AA	3080	1/1	0.90	0.17	53,53,53,53	0
56	MG	DA	3548	1/1	0.90	0.13	37,37,37,37	0
56	MG	AA	3215	1/1	0.90	0.10	53,53,53,53	0
56	MG	AA	3217	1/1	0.90	0.65	67,67,67,67	0
56	MG	AA	3123	1/1	0.90	0.43	39,39,39,39	0
56	MG	DA	3582	1/1	0.90	0.11	52,52,52,52	0
56	MG	DA	3193	1/1	0.90	0.22	65,65,65,65	0
56	MG	AK	3001	1/1	0.90	0.18	45,45,45,45	0
56	MG	BA	3159	1/1	0.90	0.30	48,48,48,48	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	AA	3124	1/1	0.90	0.10	57,57,57,57	0
56	MG	DA	3593	1/1	0.90	0.23	73,73,73,73	0
56	MG	DA	3066	1/1	0.90	0.37	53,53,53,53	0
56	MG	BA	3047	1/1	0.90	0.42	47,47,47,47	0
56	MG	DA	3602	1/1	0.90	0.19	52,52,52,52	0
56	MG	BA	3350	1/1	0.90	0.24	47,47,47,47	0
56	MG	B7	101	1/1	0.90	0.20	43,43,43,43	0
56	MG	DA	3610	1/1	0.90	0.28	54,54,54,54	0
56	MG	DA	3213	1/1	0.90	0.21	44,44,44,44	0
56	MG	B7	103	1/1	0.90	0.85	48,48,48,48	0
56	MG	DA	3620	1/1	0.90	0.19	71,71,71,71	0
56	MG	DA	3075	1/1	0.90	0.33	44,44,44,44	0
56	MG	DA	3624	1/1	0.90	0.40	51,51,51,51	0
56	MG	DA	3218	1/1	0.90	0.25	62,62,62,62	0
56	MG	DA	3219	1/1	0.90	0.17	60,60,60,60	0
56	MG	DA	3077	1/1	0.90	0.28	50,50,50,50	0
56	MG	DA	3640	1/1	0.90	0.68	56,56,56,56	0
56	MG	BA	3048	1/1	0.90	0.23	31,31,31,31	0
56	MG	BA	3243	1/1	0.90	0.15	48,48,48,48	0
56	MG	BA	3671	1/1	0.90	0.33	57,57,57,57	0
56	MG	DB	3005	1/1	0.90	0.26	43,43,43,43	0
56	MG	BA	3105	1/1	0.90	0.44	34,34,34,34	0
56	MG	AA	3052	1/1	0.90	0.25	60,60,60,60	0
56	MG	BA	3683	1/1	0.90	0.22	60,60,60,60	0
56	MG	AA	3115	1/1	0.90	0.10	48,48,48,48	0
56	MG	BA	3174	1/1	0.90	0.09	48,48,48,48	0
56	MG	DA	3254	1/1	0.90	0.22	30,30,30,30	0
56	MG	DF	303	1/1	0.90	0.33	43,43,43,43	0
56	MG	BA	3114	1/1	0.90	0.36	51,51,51,51	0
56	MG	AA	3005	1/1	0.90	0.20	66,66,66,66	0
56	MG	DA	3264	1/1	0.90	0.32	49,49,49,49	0
56	MG	BA	3255	1/1	0.90	0.18	41,41,41,41	0
56	MG	DA	3284	1/1	0.90	0.14	68,68,68,68	0
56	MG	DA	3096	1/1	0.90	0.17	60,60,60,60	0
56	MG	BA	3708	1/1	0.90	0.23	40,40,40,40	0
56	MG	BA	3457	1/1	0.90	0.12	57,57,57,57	0
56	MG	BA	3714	1/1	0.90	0.21	58,58,58,58	0
56	MG	CA	3150	1/1	0.90	0.12	59,59,59,59	0
56	MG	CA	3153	1/1	0.90	0.10	83,83,83,83	0
56	MG	DA	3105	1/1	0.90	0.38	48,48,48,48	0
56	MG	BA	3125	1/1	0.90	0.20	39,39,39,39	0
56	MG	BA	3463	1/1	0.90	0.20	55,55,55,55	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	BA	3049	1/1	0.91	0.38	35,35,35,35	0
56	MG	BA	3055	1/1	0.91	0.23	44,44,44,44	0
56	MG	BA	3262	1/1	0.91	0.20	56,56,56,56	0
56	MG	BA	3056	1/1	0.91	0.42	44,44,44,44	0
56	MG	BA	3638	1/1	0.91	0.21	37,37,37,37	0
56	MG	DA	3051	1/1	0.91	0.12	46,46,46,46	0
56	MG	BA	3372	1/1	0.91	0.17	38,38,38,38	0
56	MG	AA	3169	1/1	0.91	0.16	76,76,76,76	0
56	MG	BA	3653	1/1	0.91	0.15	69,69,69,69	0
56	MG	DA	3172	1/1	0.91	0.43	51,51,51,51	0
56	MG	DA	3466	1/1	0.91	0.14	56,56,56,56	0
56	MG	DA	3183	1/1	0.91	0.11	54,54,54,54	0
56	MG	BA	3391	1/1	0.91	0.14	48,48,48,48	0
56	MG	BA	3269	1/1	0.91	0.65	34,34,34,34	0
56	MG	BA	3666	1/1	0.91	0.32	61,61,61,61	0
56	MG	BA	3443	1/1	0.91	0.17	26,26,26,26	0
56	MG	AN	101	1/1	0.91	0.19	63,63,63,63	0
56	MG	DA	3496	1/1	0.91	0.15	53,53,53,53	0
56	MG	CA	3106	1/1	0.91	0.34	64,64,64,64	0
56	MG	BA	3106	1/1	0.91	0.12	48,48,48,48	0
56	MG	BA	3676	1/1	0.91	0.22	51,51,51,51	0
56	MG	DA	3069	1/1	0.91	0.12	51,51,51,51	0
56	MG	DA	3512	1/1	0.91	0.25	61,61,61,61	0
56	MG	AA	3081	1/1	0.91	0.23	41,41,41,41	0
56	MG	CA	3119	1/1	0.91	0.24	64,64,64,64	0
56	MG	DA	3073	1/1	0.91	0.18	44,44,44,44	0
56	MG	AA	3125	1/1	0.91	0.16	47,47,47,47	0
56	MG	DA	3526	1/1	0.91	0.19	54,54,54,54	0
56	MG	BA	3689	1/1	0.91	0.23	39,39,39,39	0
56	MG	BA	3020	1/1	0.91	0.11	45,45,45,45	0
56	MG	BA	3464	1/1	0.91	0.10	43,43,43,43	0
56	MG	CA	3006	1/1	0.91	0.17	77,77,77,77	0
56	MG	BA	3466	1/1	0.91	0.14	61,61,61,61	0
56	MG	AA	3101	1/1	0.91	0.15	56,56,56,56	0
56	MG	DA	3567	1/1	0.91	0.15	62,62,62,62	0
56	MG	CA	3010	1/1	0.91	0.11	32,32,32,32	0
56	MG	BA	3481	1/1	0.91	0.23	38,38,38,38	0
56	MG	DA	3226	1/1	0.91	0.21	50,50,50,50	0
56	MG	BA	3226	1/1	0.91	0.30	32,32,32,32	0
56	MG	AX	105	1/1	0.91	0.69	56,56,56,56	0
56	MG	BA	3024	1/1	0.91	0.40	35,35,35,35	0
56	MG	BA	3505	1/1	0.91	0.19	59,59,59,59	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	DA	3594	1/1	0.91	0.30	47,47,47,47	0
56	MG	BA	3507	1/1	0.91	0.10	68,68,68,68	0
56	MG	CA	3151	1/1	0.91	0.25	80,80,80,80	0
56	MG	BA	3132	1/1	0.91	0.25	35,35,35,35	0
56	MG	AA	3142	1/1	0.91	0.26	38,38,38,38	0
56	MG	BA	3172	1/1	0.91	0.98	48,48,48,48	0
56	MG	AX	107	1/1	0.91	0.25	66,66,66,66	0
56	MG	BA	3038	1/1	0.91	0.60	51,51,51,51	0
56	MG	BA	3137	1/1	0.91	0.29	42,42,42,42	0
56	MG	BA	3568	1/1	0.91	0.23	47,47,47,47	0
56	MG	DA	3621	1/1	0.91	0.14	54,54,54,54	0
56	MG	CA	3162	1/1	0.91	0.21	46,46,46,46	0
56	MG	BA	3303	1/1	0.91	0.16	35,35,35,35	0
56	MG	AA	3121	1/1	0.91	0.53	51,51,51,51	0
56	MG	AA	3136	1/1	0.91	0.08	62,62,62,62	0
56	MG	DA	3635	1/1	0.91	0.32	58,58,58,58	0
56	MG	DA	3315	1/1	0.91	0.09	31,31,31,31	0
56	MG	BB	3009	1/1	0.91	0.16	48,48,48,48	0
56	MG	DA	3339	1/1	0.91	0.10	37,37,37,37	0
56	MG	DA	3653	1/1	0.91	0.35	60,60,60,60	0
56	MG	DA	3342	1/1	0.91	0.12	52,52,52,52	0
56	MG	BA	3331	1/1	0.91	0.19	47,47,47,47	0
56	MG	BA	3143	1/1	0.91	0.31	40,40,40,40	0
56	MG	BA	3335	1/1	0.91	0.17	35,35,35,35	0
56	MG	BD	312	1/1	0.91	0.85	80,80,80,80	0
56	MG	DA	3360	1/1	0.91	0.25	41,41,41,41	0
56	MG	BA	3248	1/1	0.91	0.24	43,43,43,43	0
56	MG	BA	3187	1/1	0.91	0.64	50,50,50,50	0
56	MG	DF	301	1/1	0.91	0.51	32,32,32,32	0
56	MG	CA	3047	1/1	0.91	0.16	63,63,63,63	0
56	MG	BF	302	1/1	0.91	0.31	46,46,46,46	0
56	MG	DF	304	1/1	0.91	0.28	44,44,44,44	0
56	MG	DA	3376	1/1	0.91	0.08	31,31,31,31	0
56	MG	AA	3011	1/1	0.91	1.19	55,55,55,55	0
56	MG	AA	3219	1/1	0.91	0.20	57,57,57,57	0
56	MG	BA	3619	1/1	0.91	0.27	40,40,40,40	0
56	MG	CA	3056	1/1	0.91	0.11	64,64,64,64	0
56	MG	DA	3401	1/1	0.91	0.29	58,58,58,58	0
56	MG	DA	3143	1/1	0.91	0.22	46,46,46,46	0
56	MG	DA	3033	1/1	0.91	0.25	39,39,39,39	0
56	MG	BN	3001	1/1	0.91	0.76	54,54,54,54	0
56	MG	D8	5001	1/1	0.91	0.41	47,47,47,47	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	DA	3419	1/1	0.91	0.17	31,31,31,31	0
56	MG	DA	3148	1/1	0.91	0.23	47,47,47,47	0
56	MG	DA	3149	1/1	0.91	0.06	47,47,47,47	0
56	MG	DA	3430	1/1	0.91	0.28	55,55,55,55	0
56	MG	DA	3041	1/1	0.91	0.45	57,57,57,57	0
56	MG	AA	3200	1/1	0.92	0.24	68,68,68,68	0
56	MG	BA	3108	1/1	0.92	0.14	55,55,55,55	0
56	MG	BA	3225	1/1	0.92	0.33	62,62,62,62	0
56	MG	DA	3459	1/1	0.92	0.11	33,33,33,33	0
56	MG	DA	3050	1/1	0.92	0.57	31,31,31,31	0
56	MG	AA	3211	1/1	0.92	0.20	36,36,36,36	0
56	MG	DA	3170	1/1	0.92	0.80	57,57,57,57	0
56	MG	BA	3468	1/1	0.92	0.17	30,30,30,30	0
56	MG	AA	3025	1/1	0.92	0.14	69,69,69,69	0
56	MG	DA	3179	1/1	0.92	0.22	46,46,46,46	0
56	MG	DA	3478	1/1	0.92	0.25	46,46,46,46	0
56	MG	CA	3104	1/1	0.92	0.19	62,62,62,62	0
56	MG	CA	3105	1/1	0.92	0.09	79,79,79,79	0
56	MG	BA	3016	1/1	0.92	0.24	33,33,33,33	0
56	MG	BA	3122	1/1	0.92	0.27	52,52,52,52	0
56	MG	DA	3188	1/1	0.92	0.33	47,47,47,47	0
56	MG	DA	3489	1/1	0.92	0.16	36,36,36,36	0
56	MG	AA	3034	1/1	0.92	0.18	48,48,48,48	0
56	MG	CA	3111	1/1	0.92	0.12	64,64,64,64	0
56	MG	BA	3698	1/1	0.92	0.20	41,41,41,41	0
56	MG	CA	3117	1/1	0.92	0.15	68,68,68,68	0
56	MG	AA	3024	1/1	0.92	0.18	53,53,53,53	0
56	MG	DA	3502	1/1	0.92	0.12	65,65,65,65	0
56	MG	BA	3502	1/1	0.92	0.20	43,43,43,43	0
56	MG	DA	3505	1/1	0.92	0.06	65,65,65,65	0
56	MG	DA	3509	1/1	0.92	0.13	55,55,55,55	0
56	MG	AA	3098	1/1	0.92	0.35	72,72,72,72	0
56	MG	DA	3202	1/1	0.92	0.33	42,42,42,42	0
56	MG	AA	3154	1/1	0.92	0.08	63,63,63,63	0
56	MG	AA	3162	1/1	0.92	0.23	74,74,74,74	0
56	MG	DA	3074	1/1	0.92	0.21	54,54,54,54	0
56	MG	AA	3041	1/1	0.92	0.15	49,49,49,49	0
56	MG	AA	3069	1/1	0.92	0.14	84,84,84,84	0
56	MG	DA	3532	1/1	0.92	0.10	57,57,57,57	0
56	MG	DA	3536	1/1	0.92	0.16	80,80,80,80	0
56	MG	CA	3136	1/1	0.92	0.18	45,45,45,45	0
56	MG	DA	3543	1/1	0.92	0.15	42,42,42,42	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	BA	3325	1/1	0.92	0.19	58,58,58,58	0
56	MG	BA	3328	1/1	0.92	0.21	42,42,42,42	0
56	MG	DA	3221	1/1	0.92	0.18	49,49,49,49	0
56	MG	DA	3554	1/1	0.92	0.18	70,70,70,70	0
56	MG	CA	3140	1/1	0.92	0.16	73,73,73,73	0
56	MG	DA	3562	1/1	0.92	0.10	61,61,61,61	0
56	MG	BA	3245	1/1	0.92	0.30	47,47,47,47	0
56	MG	AA	3105	1/1	0.92	0.22	46,46,46,46	0
56	MG	DA	3225	1/1	0.92	0.16	45,45,45,45	0
56	MG	BA	3735	1/1	0.92	0.20	45,45,45,45	0
56	MG	AA	3036	1/1	0.92	0.23	71,71,71,71	0
56	MG	BA	3039	1/1	0.92	0.14	42,42,42,42	0
56	MG	BA	3188	1/1	0.92	0.15	37,37,37,37	0
56	MG	BA	3141	1/1	0.92	0.30	43,43,43,43	0
56	MG	DA	3246	1/1	0.92	0.17	24,24,24,24	0
56	MG	DA	3597	1/1	0.92	0.23	47,47,47,47	0
56	MG	CA	3152	1/1	0.92	0.38	55,55,55,55	0
56	MG	DA	3097	1/1	0.92	0.22	61,61,61,61	0
56	MG	BA	3090	1/1	0.92	0.20	46,46,46,46	0
56	MG	BA	3254	1/1	0.92	0.19	59,59,59,59	0
56	MG	BA	3196	1/1	0.92	0.76	56,56,56,56	0
56	MG	BA	3601	1/1	0.92	0.28	64,64,64,64	0
56	MG	DA	3611	1/1	0.92	0.09	42,42,42,42	0
56	MG	BB	3014	1/1	0.92	0.13	69,69,69,69	0
56	MG	BA	3256	1/1	0.92	0.17	58,58,58,58	0
56	MG	DA	3107	1/1	0.92	0.30	55,55,55,55	0
56	MG	BA	3258	1/1	0.92	0.23	40,40,40,40	0
56	MG	DA	3109	1/1	0.92	0.55	66,66,66,66	0
56	MG	DA	3295	1/1	0.92	0.24	39,39,39,39	0
56	MG	DA	3296	1/1	0.92	0.09	31,31,31,31	0
56	MG	BD	304	1/1	0.92	0.51	58,58,58,58	0
56	MG	DA	3111	1/1	0.92	0.23	53,53,53,53	0
56	MG	DA	3636	1/1	0.92	0.14	61,61,61,61	0
56	MG	AA	3072	1/1	0.92	0.26	79,79,79,79	0
56	MG	BA	3617	1/1	0.92	0.24	62,62,62,62	0
56	MG	AA	3082	1/1	0.92	0.24	39,39,39,39	0
56	MG	DA	3651	1/1	0.92	0.60	52,52,52,52	0
56	MG	DA	3340	1/1	0.92	0.14	47,47,47,47	0
56	MG	DA	3116	1/1	0.92	0.31	39,39,39,39	0
56	MG	BA	3374	1/1	0.92	0.19	44,44,44,44	0
56	MG	BA	3099	1/1	0.92	0.17	44,44,44,44	0
56	MG	BF	304	1/1	0.92	0.09	35,35,35,35	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	BA	3401	1/1	0.92	0.12	42,42,42,42	0
56	MG	AA	3190	1/1	0.92	0.32	67,67,67,67	0
56	MG	BG	3001	1/1	0.92	0.13	64,64,64,64	0
56	MG	BA	3633	1/1	0.92	0.13	58,58,58,58	0
56	MG	DA	3006	1/1	0.92	0.16	42,42,42,42	0
56	MG	BA	3406	1/1	0.92	0.14	28,28,28,28	0
56	MG	BA	3430	1/1	0.92	0.32	49,49,49,49	0
56	MG	DA	3013	1/1	0.92	0.09	47,47,47,47	0
56	MG	DA	3014	1/1	0.92	0.21	34,34,34,34	0
56	MG	BA	3432	1/1	0.92	0.17	60,60,60,60	0
56	MG	DA	3139	1/1	0.92	0.18	40,40,40,40	0
56	MG	BA	3652	1/1	0.92	0.20	64,64,64,64	0
56	MG	BR	204	1/1	0.92	0.61	43,43,43,43	0
56	MG	DA	3029	1/1	0.92	0.10	61,61,61,61	0
56	MG	BU	201	1/1	0.92	0.75	39,39,39,39	0
56	MG	CA	3065	1/1	0.92	0.23	75,75,75,75	0
56	MG	AA	3191	1/1	0.92	0.13	71,71,71,71	0
56	MG	DA	3040	1/1	0.92	0.10	42,42,42,42	0
56	MG	DA	3151	1/1	0.92	0.29	60,60,60,60	0
56	MG	AA	3194	1/1	0.92	0.19	54,54,54,54	0
56	MG	BA	3052	1/1	0.92	0.25	29,29,29,29	0
56	MG	AA	3198	1/1	0.92	0.11	87,87,87,87	0
56	MG	DA	3453	1/1	0.92	0.36	61,61,61,61	0
56	MG	AA	3152	1/1	0.93	0.09	19,19,19,19	0
56	MG	BA	3357	1/1	0.93	0.13	49,49,49,49	0
56	MG	DA	3424	1/1	0.93	0.20	30,30,30,30	0
56	MG	DA	3144	1/1	0.93	0.39	36,36,36,36	0
56	MG	DA	3008	1/1	0.93	0.23	51,51,51,51	0
56	MG	DA	3437	1/1	0.93	0.14	49,49,49,49	0
56	MG	BA	3589	1/1	0.93	0.15	51,51,51,51	0
56	MG	AA	3135	1/1	0.93	0.23	41,41,41,41	0
56	MG	DA	3012	1/1	0.93	0.18	57,57,57,57	0
56	MG	DA	3443	1/1	0.93	0.17	53,53,53,53	0
56	MG	DA	3447	1/1	0.93	0.05	56,56,56,56	0
56	MG	DA	3450	1/1	0.93	0.16	43,43,43,43	0
56	MG	BA	3592	1/1	0.93	0.17	28,28,28,28	0
56	MG	BB	3006	1/1	0.93	0.24	39,39,39,39	0
56	MG	DA	3155	1/1	0.93	0.17	50,50,50,50	0
56	MG	DA	3015	1/1	0.93	0.26	49,49,49,49	0
56	MG	BA	3257	1/1	0.93	0.30	38,38,38,38	0
56	MG	DA	3020	1/1	0.93	0.30	52,52,52,52	0
56	MG	BA	3597	1/1	0.93	0.35	60,60,60,60	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\AA^2$)	Q<0.9
56	MG	AA	3066	1/1	0.93	0.31	38,38,38,38	0
56	MG	BA	3599	1/1	0.93	0.31	46,46,46,46	0
56	MG	AA	3199	1/1	0.93	0.17	88,88,88,88	0
56	MG	BA	3608	1/1	0.93	0.13	68,68,68,68	0
56	MG	DA	3470	1/1	0.93	0.28	52,52,52,52	0
56	MG	DA	3472	1/1	0.93	0.17	36,36,36,36	0
56	MG	DA	3474	1/1	0.93	0.08	61,61,61,61	0
56	MG	BD	306	1/1	0.93	0.45	46,46,46,46	0
56	MG	BA	3098	1/1	0.93	0.15	35,35,35,35	0
56	MG	BA	3387	1/1	0.93	0.07	48,48,48,48	0
56	MG	AA	3008	1/1	0.93	0.41	54,54,54,54	0
56	MG	BA	3394	1/1	0.93	0.12	49,49,49,49	0
56	MG	DA	3045	1/1	0.93	0.37	41,41,41,41	0
56	MG	BE	306	1/1	0.93	0.44	46,46,46,46	0
56	MG	AA	3201	1/1	0.93	0.12	67,67,67,67	0
56	MG	BA	3153	1/1	0.93	0.32	35,35,35,35	0
56	MG	BA	3403	1/1	0.93	0.21	41,41,41,41	0
56	MG	BA	3273	1/1	0.93	0.39	42,42,42,42	0
56	MG	BA	3408	1/1	0.93	0.15	24,24,24,24	0
56	MG	DA	3054	1/1	0.93	0.11	51,51,51,51	0
56	MG	AA	3202	1/1	0.93	0.23	76,76,76,76	0
56	MG	CA	3074	1/1	0.93	0.18	54,54,54,54	0
56	MG	DA	3199	1/1	0.93	0.13	42,42,42,42	0
56	MG	BA	3050	1/1	0.93	0.15	21,21,21,21	0
56	MG	BA	3640	1/1	0.93	0.25	60,60,60,60	0
56	MG	AA	3206	1/1	0.93	0.07	70,70,70,70	0
56	MG	DA	3519	1/1	0.93	0.14	44,44,44,44	0
56	MG	DA	3521	1/1	0.93	0.12	62,62,62,62	0
56	MG	CA	3087	1/1	0.93	0.19	41,41,41,41	0
56	MG	CA	3089	1/1	0.93	0.15	52,52,52,52	0
56	MG	DA	3212	1/1	0.93	0.09	48,48,48,48	0
56	MG	DA	3527	1/1	0.93	0.10	46,46,46,46	0
56	MG	AA	3068	1/1	0.93	0.08	66,66,66,66	0
56	MG	CA	3097	1/1	0.93	0.15	48,48,48,48	0
56	MG	CA	3099	1/1	0.93	0.33	65,65,65,65	0
56	MG	DA	3537	1/1	0.93	0.22	65,65,65,65	0
56	MG	BA	3647	1/1	0.93	0.10	34,34,34,34	0
56	MG	BA	3446	1/1	0.93	0.13	49,49,49,49	0
56	MG	BU	204	1/1	0.93	0.39	44,44,44,44	0
56	MG	DA	3072	1/1	0.93	0.14	41,41,41,41	0
56	MG	AA	3167	1/1	0.93	0.19	67,67,67,67	0
56	MG	CA	3107	1/1	0.93	0.12	60,60,60,60	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	DA	3556	1/1	0.93	0.08	56,56,56,56	0
56	MG	DA	3559	1/1	0.93	0.19	46,46,46,46	0
56	MG	BA	3012	1/1	0.93	0.16	40,40,40,40	0
56	MG	DA	3076	1/1	0.93	0.56	44,44,44,44	0
56	MG	BA	3060	1/1	0.93	0.40	40,40,40,40	0
56	MG	DA	3579	1/1	0.93	0.17	23,23,23,23	0
56	MG	DA	3580	1/1	0.93	0.14	46,46,46,46	0
56	MG	DA	3233	1/1	0.93	0.19	42,42,42,42	0
56	MG	AA	3060	1/1	0.93	0.53	60,60,60,60	0
56	MG	BW	205	1/1	0.93	0.46	41,41,41,41	0
56	MG	BX	3001	1/1	0.93	0.29	55,55,55,55	0
56	MG	AA	3173	1/1	0.93	0.24	32,32,32,32	0
56	MG	B0	101	1/1	0.93	0.20	36,36,36,36	0
56	MG	AA	3177	1/1	0.93	0.14	80,80,80,80	0
56	MG	BA	3067	1/1	0.93	0.33	53,53,53,53	0
56	MG	DA	3255	1/1	0.93	0.20	40,40,40,40	0
56	MG	BA	3238	1/1	0.93	0.16	51,51,51,51	0
56	MG	AA	3026	1/1	0.93	0.17	41,41,41,41	0
56	MG	CA	3134	1/1	0.93	0.17	82,82,82,82	0
56	MG	DA	3603	1/1	0.93	0.16	55,55,55,55	0
56	MG	DA	3273	1/1	0.93	0.13	30,30,30,30	0
56	MG	DA	3278	1/1	0.93	0.17	47,47,47,47	0
56	MG	B3	103	1/1	0.93	0.62	41,41,41,41	0
56	MG	DA	3280	1/1	0.93	0.20	57,57,57,57	0
56	MG	DA	3281	1/1	0.93	0.21	42,42,42,42	0
56	MG	AA	3049	1/1	0.93	0.50	51,51,51,51	0
56	MG	BA	3684	1/1	0.93	0.17	58,58,58,58	0
56	MG	BA	3687	1/1	0.93	0.22	38,38,38,38	0
56	MG	BA	3299	1/1	0.93	0.23	9,9,9,9	0
56	MG	CA	3141	1/1	0.93	0.25	70,70,70,70	0
56	MG	DA	3627	1/1	0.93	0.21	43,43,43,43	0
56	MG	B8	101	1/1	0.93	0.47	49,49,49,49	0
56	MG	DA	3303	1/1	0.93	0.17	47,47,47,47	0
56	MG	DA	3305	1/1	0.93	0.09	33,33,33,33	0
56	MG	BA	3690	1/1	0.93	0.17	53,53,53,53	0
56	MG	AA	3146	1/1	0.93	0.20	48,48,48,48	0
56	MG	BA	3133	1/1	0.93	0.27	32,32,32,32	0
56	MG	DA	3643	1/1	0.93	0.72	53,53,53,53	0
56	MG	BA	3072	1/1	0.93	0.28	45,45,45,45	0
56	MG	DA	3326	1/1	0.93	0.20	33,33,33,33	0
56	MG	DA	3334	1/1	0.93	0.16	49,49,49,49	0
56	MG	DA	3336	1/1	0.93	0.12	27,27,27,27	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\AA^2$)	Q<0.9
56	MG	AA	3189	1/1	0.93	0.10	77,77,77,77	0
56	MG	BA	3246	1/1	0.93	0.24	46,46,46,46	0
56	MG	BA	3704	1/1	0.93	0.19	85,85,85,85	0
56	MG	BA	3182	1/1	0.93	0.31	51,51,51,51	0
56	MG	DB	3012	1/1	0.93	0.27	59,59,59,59	0
56	MG	BA	3515	1/1	0.93	0.05	56,56,56,56	0
56	MG	BA	3711	1/1	0.93	0.17	86,86,86,86	0
56	MG	DD	308	1/1	0.93	0.15	55,55,55,55	0
56	MG	AV	101	1/1	0.93	0.17	36,36,36,36	0
56	MG	CA	3019	1/1	0.93	0.07	49,49,49,49	0
56	MG	BA	3549	1/1	0.93	0.22	27,27,27,27	0
56	MG	BA	3716	1/1	0.93	0.11	27,27,27,27	0
56	MG	DA	3366	1/1	0.93	0.35	36,36,36,36	0
56	MG	BA	3555	1/1	0.93	0.18	53,53,53,53	0
56	MG	BA	3028	1/1	0.93	0.21	48,48,48,48	0
56	MG	DA	3373	1/1	0.93	0.23	29,29,29,29	0
56	MG	BA	3722	1/1	0.93	0.17	32,32,32,32	0
56	MG	BA	3724	1/1	0.93	0.19	58,58,58,58	0
56	MG	BA	3250	1/1	0.93	0.21	45,45,45,45	0
56	MG	BA	3728	1/1	0.93	0.52	32,32,32,32	0
56	MG	DW	201	1/1	0.93	0.31	46,46,46,46	0
56	MG	AA	3058	1/1	0.93	0.16	50,50,50,50	0
56	MG	DA	3400	1/1	0.93	0.19	42,42,42,42	0
56	MG	BA	3190	1/1	0.93	0.20	42,42,42,42	0
58	ZN	AN	102	1/1	0.93	0.12	90,90,90,90	0
56	MG	BA	3030	1/1	0.93	0.43	51,51,51,51	0
58	ZN	CN	501	1/1	0.93	0.12	108,108,108,108	0
56	MG	DA	3002	1/1	0.93	0.19	55,55,55,55	0
56	MG	BA	3193	1/1	0.93	0.57	52,52,52,52	0
56	MG	DA	3414	1/1	0.93	0.17	49,49,49,49	0
56	MG	DA	3415	1/1	0.93	0.25	56,56,56,56	0
60	K	DA	3231	1/1	0.93	0.22	96,96,96,96	0
56	MG	DA	3442	1/1	0.94	0.19	40,40,40,40	0
56	MG	AA	3018	1/1	0.94	0.27	38,38,38,38	0
56	MG	BD	307	1/1	0.94	0.20	43,43,43,43	0
56	MG	DA	3164	1/1	0.94	0.26	48,48,48,48	0
56	MG	DA	3452	1/1	0.94	0.17	56,56,56,56	0
56	MG	DA	3027	1/1	0.94	0.43	39,39,39,39	0
56	MG	BA	3431	1/1	0.94	0.23	17,17,17,17	0
56	MG	CA	3058	1/1	0.94	0.10	40,40,40,40	0
56	MG	AA	3010	1/1	0.94	0.37	70,70,70,70	0
56	MG	CA	3061	1/1	0.94	0.30	46,46,46,46	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($Å^2$)	Q<0.9
56	MG	DA	3038	1/1	0.94	0.15	39,39,39,39	0
56	MG	DA	3175	1/1	0.94	0.17	40,40,40,40	0
56	MG	BA	3439	1/1	0.94	0.16	34,34,34,34	0
56	MG	BA	3178	1/1	0.94	0.28	48,48,48,48	0
56	MG	BA	3631	1/1	0.94	0.14	78,78,78,78	0
56	MG	AA	3209	1/1	0.94	0.40	70,70,70,70	0
56	MG	DA	3469	1/1	0.94	0.21	47,47,47,47	0
56	MG	BA	3293	1/1	0.94	0.18	45,45,45,45	0
56	MG	BA	3635	1/1	0.94	0.10	78,78,78,78	0
56	MG	BA	3449	1/1	0.94	0.12	21,21,21,21	0
56	MG	AA	3210	1/1	0.94	0.06	40,40,40,40	0
56	MG	BA	3453	1/1	0.94	0.19	18,18,18,18	0
56	MG	CA	3076	1/1	0.94	0.33	40,40,40,40	0
56	MG	DA	3052	1/1	0.94	0.20	23,23,23,23	0
56	MG	DA	3196	1/1	0.94	0.34	44,44,44,44	0
56	MG	BA	3091	1/1	0.94	0.60	45,45,45,45	0
56	MG	BA	3057	1/1	0.94	0.27	35,35,35,35	0
56	MG	CA	3084	1/1	0.94	0.11	64,64,64,64	0
56	MG	DA	3057	1/1	0.94	0.16	52,52,52,52	0
56	MG	DA	3204	1/1	0.94	0.41	34,34,34,34	0
56	MG	DA	3207	1/1	0.94	0.13	58,58,58,58	0
56	MG	BA	3650	1/1	0.94	0.15	45,45,45,45	0
56	MG	DA	3501	1/1	0.94	0.20	23,23,23,23	0
56	MG	DA	3209	1/1	0.94	0.17	41,41,41,41	0
56	MG	BQ	202	1/1	0.94	0.30	28,28,28,28	0
56	MG	BA	3185	1/1	0.94	0.20	47,47,47,47	0
56	MG	BQ	205	1/1	0.94	0.42	49,49,49,49	0
56	MG	DA	3510	1/1	0.94	0.23	63,63,63,63	0
56	MG	DA	3063	1/1	0.94	0.12	52,52,52,52	0
56	MG	BR	202	1/1	0.94	0.29	27,27,27,27	0
56	MG	BA	3301	1/1	0.94	0.13	56,56,56,56	0
56	MG	BA	3465	1/1	0.94	0.12	40,40,40,40	0
56	MG	BA	3659	1/1	0.94	0.21	46,46,46,46	0
56	MG	BA	3660	1/1	0.94	0.27	71,71,71,71	0
56	MG	BA	3661	1/1	0.94	0.15	68,68,68,68	0
56	MG	AA	3016	1/1	0.94	0.07	63,63,63,63	0
56	MG	BA	3304	1/1	0.94	0.19	49,49,49,49	0
56	MG	DA	3528	1/1	0.94	0.09	56,56,56,56	0
56	MG	BA	3306	1/1	0.94	0.14	48,48,48,48	0
56	MG	BA	3476	1/1	0.94	0.13	40,40,40,40	0
56	MG	BY	201	1/1	0.94	0.43	58,58,58,58	0
56	MG	DA	3229	1/1	0.94	0.11	40,40,40,40	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	CA	3116	1/1	0.94	0.17	76,76,76,76	0
56	MG	DA	3539	1/1	0.94	0.17	53,53,53,53	0
56	MG	DA	3237	1/1	0.94	0.15	45,45,45,45	0
56	MG	BA	3142	1/1	0.94	0.71	46,46,46,46	0
56	MG	BA	3482	1/1	0.94	0.17	72,72,72,72	0
56	MG	DA	3552	1/1	0.94	0.12	34,34,34,34	0
56	MG	AA	3017	1/1	0.94	0.27	55,55,55,55	0
56	MG	CA	3124	1/1	0.94	0.17	61,61,61,61	0
56	MG	AA	3053	1/1	0.94	0.33	49,49,49,49	0
56	MG	B0	104	1/1	0.94	0.10	43,43,43,43	0
56	MG	BA	3499	1/1	0.94	0.17	55,55,55,55	0
56	MG	BA	3686	1/1	0.94	0.14	25,25,25,25	0
56	MG	DA	3564	1/1	0.94	0.77	61,61,61,61	0
56	MG	AA	3109	1/1	0.94	0.33	65,65,65,65	0
56	MG	DA	3572	1/1	0.94	0.11	53,53,53,53	0
56	MG	DA	3574	1/1	0.94	0.17	56,56,56,56	0
56	MG	DA	3578	1/1	0.94	0.38	49,49,49,49	0
56	MG	BA	3688	1/1	0.94	0.11	54,54,54,54	0
56	MG	DA	3090	1/1	0.94	0.34	47,47,47,47	0
56	MG	AA	3197	1/1	0.94	0.30	69,69,69,69	0
56	MG	CA	3137	1/1	0.94	0.13	48,48,48,48	0
56	MG	BA	3148	1/1	0.94	0.35	52,52,52,52	0
56	MG	BA	3066	1/1	0.94	0.26	44,44,44,44	0
56	MG	BA	3692	1/1	0.94	0.40	36,36,36,36	0
56	MG	AA	3054	1/1	0.94	0.20	45,45,45,45	0
56	MG	DA	3285	1/1	0.94	0.26	55,55,55,55	0
56	MG	BA	3511	1/1	0.94	0.16	39,39,39,39	0
56	MG	DA	3288	1/1	0.94	0.17	47,47,47,47	0
56	MG	DA	3100	1/1	0.94	0.50	56,56,56,56	0
56	MG	DA	3101	1/1	0.94	0.33	48,48,48,48	0
56	MG	BA	3344	1/1	0.94	0.09	30,30,30,30	0
56	MG	AF	3001	1/1	0.94	0.17	61,61,61,61	0
56	MG	AA	3145	1/1	0.94	0.25	63,63,63,63	0
56	MG	BA	3535	1/1	0.94	0.19	37,37,37,37	0
56	MG	DA	3106	1/1	0.94	0.21	41,41,41,41	0
56	MG	CA	3149	1/1	0.94	0.18	74,74,74,74	0
56	MG	BA	3546	1/1	0.94	0.31	48,48,48,48	0
56	MG	BA	3107	1/1	0.94	0.23	40,40,40,40	0
56	MG	DA	3617	1/1	0.94	0.19	58,58,58,58	0
56	MG	CA	3014	1/1	0.94	0.17	50,50,50,50	0
56	MG	BA	3259	1/1	0.94	0.49	27,27,27,27	0
56	MG	BA	3261	1/1	0.94	0.26	34,34,34,34	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($Å^2$)	Q<0.9
56	MG	BA	3211	1/1	0.94	0.29	38,38,38,38	0
56	MG	DA	3114	1/1	0.94	0.19	37,37,37,37	0
56	MG	BA	3717	1/1	0.94	0.22	57,57,57,57	0
56	MG	BA	3044	1/1	0.94	0.30	42,42,42,42	0
56	MG	DA	3634	1/1	0.94	0.14	51,51,51,51	0
56	MG	DA	3347	1/1	0.94	0.19	62,62,62,62	0
56	MG	BA	3565	1/1	0.94	0.11	55,55,55,55	0
56	MG	AM	3001	1/1	0.94	0.06	65,65,65,65	0
56	MG	DA	3358	1/1	0.94	0.18	46,46,46,46	0
56	MG	BA	3570	1/1	0.94	0.12	61,61,61,61	0
56	MG	DA	3646	1/1	0.94	0.07	38,38,38,38	0
56	MG	BA	3573	1/1	0.94	0.16	56,56,56,56	0
56	MG	BA	3074	1/1	0.94	0.08	42,42,42,42	0
56	MG	DA	3362	1/1	0.94	0.13	41,41,41,41	0
56	MG	CA	3167	1/1	0.94	0.09	78,78,78,78	0
56	MG	DA	3364	1/1	0.94	0.19	32,32,32,32	0
56	MG	AA	3112	1/1	0.94	0.12	51,51,51,51	0
56	MG	DA	3127	1/1	0.94	0.09	48,48,48,48	0
56	MG	DB	3008	1/1	0.94	0.09	45,45,45,45	0
56	MG	DB	3009	1/1	0.94	0.37	40,40,40,40	0
56	MG	BA	3161	1/1	0.94	0.65	49,49,49,49	0
56	MG	BA	3377	1/1	0.94	0.14	32,32,32,32	0
56	MG	CF	3001	1/1	0.94	0.22	55,55,55,55	0
56	MG	DD	305	1/1	0.94	0.64	49,49,49,49	0
56	MG	DA	3378	1/1	0.94	0.15	45,45,45,45	0
56	MG	DA	3383	1/1	0.94	0.09	56,56,56,56	0
56	MG	BA	3386	1/1	0.94	0.14	58,58,58,58	0
56	MG	DE	305	1/1	0.94	0.64	65,65,65,65	0
56	MG	BA	3079	1/1	0.94	0.28	42,42,42,42	0
56	MG	BA	3082	1/1	0.94	0.29	41,41,41,41	0
56	MG	DA	3392	1/1	0.94	0.17	35,35,35,35	0
56	MG	DA	3393	1/1	0.94	0.19	41,41,41,41	0
56	MG	DF	305	1/1	0.94	0.73	39,39,39,39	0
56	MG	DA	3137	1/1	0.94	0.27	56,56,56,56	0
56	MG	BA	3278	1/1	0.94	0.17	34,34,34,34	0
56	MG	DQ	202	1/1	0.94	0.22	34,34,34,34	0
56	MG	BA	3124	1/1	0.94	0.23	39,39,39,39	0
56	MG	AA	3095	1/1	0.94	0.24	58,58,58,58	0
56	MG	DR	202	1/1	0.94	0.18	37,37,37,37	0
56	MG	BA	3084	1/1	0.94	0.14	33,33,33,33	0
56	MG	BA	3018	1/1	0.94	0.34	40,40,40,40	0
56	MG	DA	3146	1/1	0.94	0.18	34,34,34,34	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	BA	3086	1/1	0.94	0.33	49,49,49,49	0
56	MG	BA	3412	1/1	0.94	0.18	26,26,26,26	0
56	MG	DY	502	1/1	0.94	0.10	60,60,60,60	0
56	MG	CA	3044	1/1	0.94	0.20	63,63,63,63	0
56	MG	BA	3610	1/1	0.94	0.21	40,40,40,40	0
56	MG	BB	3018	1/1	0.94	0.19	60,60,60,60	0
56	MG	BA	3417	1/1	0.94	0.18	18,18,18,18	0
56	MG	DA	3433	1/1	0.94	0.17	48,48,48,48	0
56	MG	DA	3435	1/1	0.94	0.21	46,46,46,46	0
56	MG	DA	3156	1/1	0.94	0.56	29,29,29,29	0
56	MG	DA	3016	1/1	0.94	0.27	37,37,37,37	0
56	MG	BA	3419	1/1	0.94	0.14	24,24,24,24	0
56	MG	BD	305	1/1	0.94	0.23	48,48,48,48	0
56	MG	CA	3013	1/1	0.95	0.12	51,51,51,51	0
56	MG	BA	3510	1/1	0.95	0.24	40,40,40,40	0
56	MG	AA	3213	1/1	0.95	0.16	29,29,29,29	0
56	MG	DA	3434	1/1	0.95	0.26	49,49,49,49	0
56	MG	BA	3348	1/1	0.95	0.20	64,64,64,64	0
56	MG	AA	3187	1/1	0.95	0.04	62,62,62,62	0
56	MG	DA	3001	1/1	0.95	0.30	78,78,78,78	0
56	MG	BA	3697	1/1	0.95	0.14	78,78,78,78	0
56	MG	DA	3154	1/1	0.95	0.61	45,45,45,45	0
56	MG	CA	3020	1/1	0.95	0.18	47,47,47,47	0
56	MG	DA	3004	1/1	0.95	0.19	29,29,29,29	0
56	MG	DA	3444	1/1	0.95	0.13	43,43,43,43	0
56	MG	BA	3353	1/1	0.95	0.24	57,57,57,57	0
56	MG	AA	3216	1/1	0.95	0.14	58,58,58,58	0
56	MG	DA	3451	1/1	0.95	0.07	49,49,49,49	0
56	MG	BA	3700	1/1	0.95	0.12	67,67,67,67	0
56	MG	BA	3540	1/1	0.95	0.27	34,34,34,34	0
56	MG	DA	3010	1/1	0.95	0.14	39,39,39,39	0
56	MG	BA	3541	1/1	0.95	0.23	30,30,30,30	0
56	MG	BA	3545	1/1	0.95	0.24	47,47,47,47	0
56	MG	AA	3083	1/1	0.95	0.09	65,65,65,65	0
56	MG	BA	3547	1/1	0.95	0.18	31,31,31,31	0
56	MG	BA	3548	1/1	0.95	0.22	50,50,50,50	0
56	MG	BA	3053	1/1	0.95	0.35	39,39,39,39	0
56	MG	DA	3017	1/1	0.95	0.16	46,46,46,46	0
56	MG	BA	3145	1/1	0.95	0.40	38,38,38,38	0
56	MG	BA	3358	1/1	0.95	0.09	33,33,33,33	0
56	MG	DA	3021	1/1	0.95	0.15	35,35,35,35	0
56	MG	BA	3260	1/1	0.95	0.17	22,22,22,22	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($Å^2$)	Q<0.9
56	MG	BA	3014	1/1	0.95	0.77	34,34,34,34	0
56	MG	BA	3563	1/1	0.95	0.21	37,37,37,37	0
56	MG	BA	3201	1/1	0.95	0.29	36,36,36,36	0
56	MG	DA	3479	1/1	0.95	0.19	57,57,57,57	0
56	MG	DA	3030	1/1	0.95	0.28	51,51,51,51	0
56	MG	DA	3031	1/1	0.95	0.29	55,55,55,55	0
56	MG	BA	3202	1/1	0.95	0.24	41,41,41,41	0
56	MG	BA	3097	1/1	0.95	0.19	33,33,33,33	0
56	MG	DA	3034	1/1	0.95	0.15	40,40,40,40	0
56	MG	AA	3007	1/1	0.95	0.19	82,82,82,82	0
56	MG	DA	3490	1/1	0.95	0.10	39,39,39,39	0
56	MG	DA	3197	1/1	0.95	0.45	36,36,36,36	0
56	MG	DA	3494	1/1	0.95	0.09	78,78,78,78	0
56	MG	BA	3576	1/1	0.95	0.26	23,23,23,23	0
56	MG	AA	3155	1/1	0.95	0.16	70,70,70,70	0
56	MG	BA	3271	1/1	0.95	0.12	36,36,36,36	0
56	MG	AA	3078	1/1	0.95	0.27	42,42,42,42	0
56	MG	BA	3580	1/1	0.95	0.12	58,58,58,58	0
56	MG	BA	3101	1/1	0.95	0.17	35,35,35,35	0
56	MG	BA	3588	1/1	0.95	0.21	48,48,48,48	0
56	MG	DA	3047	1/1	0.95	0.08	34,34,34,34	0
56	MG	DA	3506	1/1	0.95	0.07	59,59,59,59	0
56	MG	DA	3507	1/1	0.95	0.15	54,54,54,54	0
56	MG	BA	3397	1/1	0.95	0.19	28,28,28,28	0
56	MG	BA	3276	1/1	0.95	0.32	40,40,40,40	0
56	MG	DA	3511	1/1	0.95	0.08	65,65,65,65	0
56	MG	BA	3059	1/1	0.95	0.60	45,45,45,45	0
56	MG	BA	3594	1/1	0.95	0.31	42,42,42,42	0
56	MG	DA	3516	1/1	0.95	0.17	40,40,40,40	0
56	MG	BA	3595	1/1	0.95	0.16	41,41,41,41	0
56	MG	DA	3216	1/1	0.95	0.17	31,31,31,31	0
56	MG	DA	3520	1/1	0.95	0.20	51,51,51,51	0
56	MG	AA	3195	1/1	0.95	0.16	71,71,71,71	0
56	MG	DA	3522	1/1	0.95	0.17	61,61,61,61	0
56	MG	AA	3196	1/1	0.95	0.31	65,65,65,65	0
56	MG	DA	3055	1/1	0.95	0.21	48,48,48,48	0
56	MG	DA	3220	1/1	0.95	0.12	37,37,37,37	0
56	MG	AA	3126	1/1	0.95	0.16	54,54,54,54	0
56	MG	CA	3066	1/1	0.95	0.10	55,55,55,55	0
56	MG	BA	3224	1/1	0.95	0.73	64,64,64,64	0
56	MG	BA	3284	1/1	0.95	0.10	54,54,54,54	0
56	MG	DA	3534	1/1	0.95	0.19	45,45,45,45	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($Å^2$)	Q<0.9
56	MG	DA	3535	1/1	0.95	0.19	33,33,33,33	0
56	MG	BA	3603	1/1	0.95	0.08	39,39,39,39	0
56	MG	BA	3605	1/1	0.95	0.30	59,59,59,59	0
56	MG	AA	3040	1/1	0.95	0.12	55,55,55,55	0
56	MG	BA	3421	1/1	0.95	0.12	36,36,36,36	0
56	MG	DA	3232	1/1	0.95	0.25	50,50,50,50	0
56	MG	CA	3075	1/1	0.95	0.17	76,76,76,76	0
56	MG	BA	3422	1/1	0.95	0.23	42,42,42,42	0
56	MG	DA	3550	1/1	0.95	0.17	53,53,53,53	0
56	MG	BA	3286	1/1	0.95	0.26	32,32,32,32	0
56	MG	AA	3064	1/1	0.95	0.30	79,79,79,79	0
56	MG	CA	3082	1/1	0.95	0.08	47,47,47,47	0
56	MG	DA	3555	1/1	0.95	0.12	41,41,41,41	0
56	MG	DA	3245	1/1	0.95	0.15	37,37,37,37	0
56	MG	DA	3558	1/1	0.95	0.18	37,37,37,37	0
56	MG	BE	307	1/1	0.95	0.24	39,39,39,39	0
56	MG	BA	3616	1/1	0.95	0.10	33,33,33,33	0
56	MG	BA	3229	1/1	0.95	0.15	22,22,22,22	0
56	MG	BA	3618	1/1	0.95	0.27	46,46,46,46	0
56	MG	DA	3565	1/1	0.95	0.07	57,57,57,57	0
56	MG	DA	3566	1/1	0.95	0.14	71,71,71,71	0
56	MG	CA	3090	1/1	0.95	0.18	73,73,73,73	0
56	MG	DA	3570	1/1	0.95	0.22	28,28,28,28	0
56	MG	AA	3168	1/1	0.95	0.31	68,68,68,68	0
56	MG	CA	3094	1/1	0.95	0.18	43,43,43,43	0
56	MG	DA	3576	1/1	0.95	0.15	38,38,38,38	0
56	MG	DA	3261	1/1	0.95	0.22	35,35,35,35	0
56	MG	DA	3263	1/1	0.95	0.19	31,31,31,31	0
56	MG	BA	3620	1/1	0.95	0.12	47,47,47,47	0
56	MG	DA	3267	1/1	0.95	0.17	61,61,61,61	0
56	MG	BA	3441	1/1	0.95	0.25	25,25,25,25	0
56	MG	DA	3585	1/1	0.95	0.15	62,62,62,62	0
56	MG	CA	3102	1/1	0.95	0.09	41,41,41,41	0
56	MG	DA	3589	1/1	0.95	0.18	59,59,59,59	0
56	MG	BG	3004	1/1	0.95	0.04	62,62,62,62	0
56	MG	AA	3111	1/1	0.95	0.17	95,95,95,95	0
56	MG	DA	3083	1/1	0.95	0.25	41,41,41,41	0
56	MG	DA	3283	1/1	0.95	0.21	33,33,33,33	0
56	MG	BA	3233	1/1	0.95	0.18	47,47,47,47	0
56	MG	DA	3595	1/1	0.95	0.18	72,72,72,72	0
56	MG	BA	3627	1/1	0.95	0.20	50,50,50,50	0
56	MG	BN	3005	1/1	0.95	0.85	52,52,52,52	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($Å^2$)	Q<0.9
56	MG	CA	3108	1/1	0.95	0.21	52,52,52,52	0
56	MG	DA	3601	1/1	0.95	0.12	77,77,77,77	0
56	MG	BP	201	1/1	0.95	0.66	40,40,40,40	0
56	MG	BA	3628	1/1	0.95	0.21	41,41,41,41	0
56	MG	AX	104	1/1	0.95	0.14	76,76,76,76	0
56	MG	AA	3170	1/1	0.95	0.16	101,101,101,101	0
56	MG	DA	3297	1/1	0.95	0.14	57,57,57,57	0
56	MG	DA	3298	1/1	0.95	0.32	37,37,37,37	0
56	MG	DA	3299	1/1	0.95	0.22	40,40,40,40	0
56	MG	DA	3614	1/1	0.95	0.20	48,48,48,48	0
56	MG	BA	3037	1/1	0.95	0.20	31,31,31,31	0
56	MG	BA	3073	1/1	0.95	0.85	41,41,41,41	0
56	MG	DA	3619	1/1	0.95	0.22	48,48,48,48	0
56	MG	DA	3306	1/1	0.95	0.21	33,33,33,33	0
56	MG	DA	3307	1/1	0.95	0.30	37,37,37,37	0
56	MG	BA	3169	1/1	0.95	0.70	46,46,46,46	0
56	MG	BU	202	1/1	0.95	0.36	32,32,32,32	0
56	MG	DA	3626	1/1	0.95	0.07	68,68,68,68	0
56	MG	BA	3639	1/1	0.95	0.16	50,50,50,50	0
56	MG	BA	3461	1/1	0.95	0.24	36,36,36,36	0
56	MG	DA	3319	1/1	0.95	0.18	53,53,53,53	0
56	MG	DA	3322	1/1	0.95	0.13	55,55,55,55	0
56	MG	DA	3325	1/1	0.95	0.17	36,36,36,36	0
56	MG	AA	3130	1/1	0.95	0.23	46,46,46,46	0
56	MG	DA	3329	1/1	0.95	0.16	53,53,53,53	0
56	MG	BU	208	1/1	0.95	0.88	56,56,56,56	0
56	MG	BV	202	1/1	0.95	0.44	56,56,56,56	0
56	MG	BV	203	1/1	0.95	1.03	46,46,46,46	0
56	MG	AA	3056	1/1	0.95	0.19	39,39,39,39	0
56	MG	DA	3648	1/1	0.95	0.17	52,52,52,52	0
56	MG	BA	3645	1/1	0.95	0.09	56,56,56,56	0
56	MG	BA	3078	1/1	0.95	0.26	17,17,17,17	0
56	MG	DA	3654	1/1	0.95	0.17	52,52,52,52	0
56	MG	BA	3129	1/1	0.95	0.25	36,36,36,36	0
56	MG	DB	3002	1/1	0.95	0.25	56,56,56,56	0
56	MG	DA	3350	1/1	0.95	0.04	32,32,32,32	0
56	MG	AA	3070	1/1	0.95	0.10	75,75,75,75	0
56	MG	DB	3006	1/1	0.95	0.13	42,42,42,42	0
56	MG	DA	3353	1/1	0.95	0.10	62,62,62,62	0
56	MG	BA	3312	1/1	0.95	0.10	58,58,58,58	0
56	MG	BA	3654	1/1	0.95	0.16	25,25,25,25	0
56	MG	DB	3010	1/1	0.95	0.18	73,73,73,73	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\AA^2$)	Q<0.9
56	MG	BA	3470	1/1	0.95	0.24	54,54,54,54	0
56	MG	BA	3041	1/1	0.95	0.38	32,32,32,32	0
56	MG	DD	301	1/1	0.95	0.32	46,46,46,46	0
56	MG	BA	3042	1/1	0.95	0.76	47,47,47,47	0
56	MG	BA	3326	1/1	0.95	0.08	41,41,41,41	0
56	MG	DD	306	1/1	0.95	1.14	44,44,44,44	0
56	MG	BA	3043	1/1	0.95	0.17	52,52,52,52	0
56	MG	DA	3118	1/1	0.95	0.10	39,39,39,39	0
56	MG	BA	3484	1/1	0.95	0.17	54,54,54,54	0
56	MG	DA	3120	1/1	0.95	0.76	51,51,51,51	0
56	MG	DE	306	1/1	0.95	0.14	32,32,32,32	0
56	MG	DA	3121	1/1	0.95	0.19	48,48,48,48	0
56	MG	BA	3330	1/1	0.95	0.16	39,39,39,39	0
56	MG	B5	502	1/1	0.95	0.10	54,54,54,54	0
56	MG	BA	3004	1/1	0.95	0.12	24,24,24,24	0
56	MG	DA	3382	1/1	0.95	0.14	25,25,25,25	0
56	MG	BA	3672	1/1	0.95	0.30	48,48,48,48	0
56	MG	DA	3384	1/1	0.95	0.11	23,23,23,23	0
56	MG	BA	3498	1/1	0.95	0.15	39,39,39,39	0
56	MG	CA	3156	1/1	0.95	0.15	70,70,70,70	0
56	MG	BA	3674	1/1	0.95	0.18	55,55,55,55	0
56	MG	BA	3332	1/1	0.95	0.19	39,39,39,39	0
56	MG	DA	3130	1/1	0.95	0.12	32,32,32,32	0
56	MG	DA	3396	1/1	0.95	0.19	35,35,35,35	0
56	MG	BA	3500	1/1	0.95	0.15	37,37,37,37	0
56	MG	AA	3122	1/1	0.95	0.54	44,44,44,44	0
56	MG	BA	3138	1/1	0.95	0.17	46,46,46,46	0
56	MG	AA	3148	1/1	0.95	0.21	66,66,66,66	0
56	MG	BA	3506	1/1	0.95	0.14	30,30,30,30	0
56	MG	D5	102	1/1	0.95	0.58	55,55,55,55	0
56	MG	DA	3406	1/1	0.95	0.12	40,40,40,40	0
56	MG	DA	3407	1/1	0.95	0.24	21,21,21,21	0
56	MG	DA	3138	1/1	0.95	0.22	42,42,42,42	0
56	MG	DA	3411	1/1	0.95	0.17	21,21,21,21	0
56	MG	BA	3339	1/1	0.95	0.22	43,43,43,43	0
56	MG	CA	3009	1/1	0.95	0.14	47,47,47,47	0
56	MG	DA	3141	1/1	0.95	0.13	62,62,62,62	0
56	MG	BA	3189	1/1	0.95	0.16	54,54,54,54	0
56	MG	CA	3011	1/1	0.95	0.28	42,42,42,42	0
56	MG	BA	3076	1/1	0.96	0.23	41,41,41,41	0
56	MG	BA	3291	1/1	0.96	0.17	41,41,41,41	0
56	MG	BA	3395	1/1	0.96	0.20	25,25,25,25	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	DA	3178	1/1	0.96	0.37	43,43,43,43	0
56	MG	AA	3149	1/1	0.96	0.09	50,50,50,50	0
56	MG	DA	3182	1/1	0.96	0.16	32,32,32,32	0
56	MG	BA	3551	1/1	0.96	0.22	25,25,25,25	0
56	MG	BA	3021	1/1	0.96	0.27	42,42,42,42	0
56	MG	BA	3191	1/1	0.96	0.19	52,52,52,52	0
56	MG	CA	3026	1/1	0.96	0.07	52,52,52,52	0
56	MG	BA	3109	1/1	0.96	0.09	36,36,36,36	0
56	MG	DA	3457	1/1	0.96	0.12	37,37,37,37	0
56	MG	CA	3028	1/1	0.96	0.44	43,43,43,43	0
56	MG	BA	3561	1/1	0.96	0.19	24,24,24,24	0
56	MG	BA	3707	1/1	0.96	0.20	36,36,36,36	0
56	MG	BA	3405	1/1	0.96	0.14	34,34,34,34	0
56	MG	BA	3709	1/1	0.96	0.12	86,86,86,86	0
56	MG	DA	3463	1/1	0.96	0.37	43,43,43,43	0
56	MG	AA	3104	1/1	0.96	0.16	37,37,37,37	0
56	MG	BA	3151	1/1	0.96	0.06	52,52,52,52	0
56	MG	BA	3566	1/1	0.96	0.09	53,53,53,53	0
56	MG	DA	3468	1/1	0.96	0.14	48,48,48,48	0
56	MG	BA	3715	1/1	0.96	0.13	47,47,47,47	0
56	MG	AA	3153	1/1	0.96	0.13	45,45,45,45	0
56	MG	DA	3201	1/1	0.96	0.12	48,48,48,48	0
56	MG	BA	3413	1/1	0.96	0.14	20,20,20,20	0
56	MG	DA	3203	1/1	0.96	0.13	41,41,41,41	0
56	MG	DA	3039	1/1	0.96	0.40	59,59,59,59	0
56	MG	DA	3206	1/1	0.96	0.26	42,42,42,42	0
56	MG	BA	3571	1/1	0.96	0.08	65,65,65,65	0
56	MG	BA	3112	1/1	0.96	0.09	38,38,38,38	0
56	MG	BA	3575	1/1	0.96	0.19	51,51,51,51	0
56	MG	DA	3485	1/1	0.96	0.09	38,38,38,38	0
56	MG	DA	3486	1/1	0.96	0.12	38,38,38,38	0
56	MG	BA	3054	1/1	0.96	0.29	46,46,46,46	0
56	MG	BA	3726	1/1	0.96	0.55	47,47,47,47	0
56	MG	BA	3199	1/1	0.96	0.46	36,36,36,36	0
56	MG	DA	3491	1/1	0.96	0.15	56,56,56,56	0
56	MG	BA	3117	1/1	0.96	0.24	25,25,25,25	0
56	MG	BA	3425	1/1	0.96	0.36	36,36,36,36	0
56	MG	BA	3426	1/1	0.96	0.27	51,51,51,51	0
56	MG	BA	3584	1/1	0.96	0.18	22,22,22,22	0
56	MG	DA	3498	1/1	0.96	0.18	56,56,56,56	0
56	MG	BA	3427	1/1	0.96	0.12	48,48,48,48	0
56	MG	BA	3737	1/1	0.96	0.25	60,60,60,60	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	BA	3118	1/1	0.96	0.19	39,39,39,39	0
56	MG	BA	3319	1/1	0.96	0.17	25,25,25,25	0
56	MG	BB	3002	1/1	0.96	0.19	59,59,59,59	0
56	MG	BA	3121	1/1	0.96	0.27	57,57,57,57	0
56	MG	BA	3434	1/1	0.96	0.12	32,32,32,32	0
56	MG	BA	3324	1/1	0.96	0.18	36,36,36,36	0
56	MG	BA	3440	1/1	0.96	0.40	38,38,38,38	0
56	MG	BB	3007	1/1	0.96	0.09	47,47,47,47	0
56	MG	AA	3099	1/1	0.96	0.42	60,60,60,60	0
56	MG	BA	3025	1/1	0.96	0.25	28,28,28,28	0
56	MG	DA	3513	1/1	0.96	0.22	49,49,49,49	0
56	MG	BA	3001	1/1	0.96	0.15	69,69,69,69	0
56	MG	DA	3235	1/1	0.96	0.19	50,50,50,50	0
56	MG	BA	3213	1/1	0.96	0.05	41,41,41,41	0
56	MG	DA	3518	1/1	0.96	0.20	40,40,40,40	0
56	MG	CA	3072	1/1	0.96	0.22	38,38,38,38	0
56	MG	AA	3174	1/1	0.96	0.22	33,33,33,33	0
56	MG	AA	3175	1/1	0.96	0.14	76,76,76,76	0
56	MG	BD	302	1/1	0.96	0.36	58,58,58,58	0
56	MG	BD	303	1/1	0.96	0.19	42,42,42,42	0
56	MG	DA	3247	1/1	0.96	0.08	31,31,31,31	0
56	MG	DA	3248	1/1	0.96	0.29	51,51,51,51	0
56	MG	DA	3249	1/1	0.96	0.21	28,28,28,28	0
56	MG	CA	3078	1/1	0.96	0.29	46,46,46,46	0
56	MG	DA	3530	1/1	0.96	0.15	49,49,49,49	0
56	MG	BA	3604	1/1	0.96	0.11	72,72,72,72	0
56	MG	AD	502	1/1	0.96	0.46	43,43,43,43	0
56	MG	BA	3606	1/1	0.96	0.23	25,25,25,25	0
56	MG	BA	3607	1/1	0.96	0.43	53,53,53,53	0
56	MG	DA	3257	1/1	0.96	0.10	48,48,48,48	0
56	MG	DA	3259	1/1	0.96	0.15	47,47,47,47	0
56	MG	BD	309	1/1	0.96	0.14	42,42,42,42	0
56	MG	BA	3217	1/1	0.96	0.09	28,28,28,28	0
56	MG	BA	3458	1/1	0.96	0.12	29,29,29,29	0
56	MG	DA	3544	1/1	0.96	0.11	51,51,51,51	0
56	MG	BE	301	1/1	0.96	0.56	43,43,43,43	0
56	MG	DA	3265	1/1	0.96	0.27	51,51,51,51	0
56	MG	DA	3266	1/1	0.96	0.23	43,43,43,43	0
56	MG	BA	3265	1/1	0.96	0.11	20,20,20,20	0
56	MG	DA	3270	1/1	0.96	0.20	36,36,36,36	0
56	MG	BA	3266	1/1	0.96	0.33	46,46,46,46	0
56	MG	DA	3276	1/1	0.96	0.22	36,36,36,36	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\AA^2$)	Q<0.9
56	MG	DA	3082	1/1	0.96	0.10	19,19,19,19	0
56	MG	DA	3557	1/1	0.96	0.12	45,45,45,45	0
56	MG	CA	3095	1/1	0.96	0.11	39,39,39,39	0
56	MG	CA	3096	1/1	0.96	0.10	60,60,60,60	0
56	MG	BA	3340	1/1	0.96	0.13	57,57,57,57	0
56	MG	BA	3615	1/1	0.96	0.17	36,36,36,36	0
56	MG	BA	3343	1/1	0.96	0.19	40,40,40,40	0
56	MG	BA	3130	1/1	0.96	0.58	43,43,43,43	0
56	MG	DA	3091	1/1	0.96	0.38	44,44,44,44	0
56	MG	DA	3287	1/1	0.96	0.27	53,53,53,53	0
56	MG	DA	3568	1/1	0.96	0.10	42,42,42,42	0
56	MG	BA	3345	1/1	0.96	0.21	33,33,33,33	0
56	MG	DA	3289	1/1	0.96	0.13	26,26,26,26	0
56	MG	BA	3219	1/1	0.96	0.22	65,65,65,65	0
56	MG	DA	3575	1/1	0.96	0.19	43,43,43,43	0
56	MG	DA	3094	1/1	0.96	0.18	26,26,26,26	0
56	MG	DA	3577	1/1	0.96	0.25	44,44,44,44	0
56	MG	DA	3294	1/1	0.96	0.10	47,47,47,47	0
56	MG	BA	3035	1/1	0.96	0.09	37,37,37,37	0
56	MG	BA	3472	1/1	0.96	0.08	30,30,30,30	0
56	MG	BG	3003	1/1	0.96	0.15	42,42,42,42	0
56	MG	BA	3223	1/1	0.96	0.68	47,47,47,47	0
56	MG	BA	3625	1/1	0.96	0.13	51,51,51,51	0
56	MG	AA	3106	1/1	0.96	0.25	56,56,56,56	0
56	MG	CA	3113	1/1	0.96	0.23	77,77,77,77	0
56	MG	BA	3477	1/1	0.96	0.11	25,25,25,25	0
56	MG	CA	3115	1/1	0.96	0.09	55,55,55,55	0
56	MG	BA	3093	1/1	0.96	0.22	25,25,25,25	0
56	MG	DA	3311	1/1	0.96	0.09	32,32,32,32	0
56	MG	BA	3630	1/1	0.96	0.25	52,52,52,52	0
56	MG	BP	204	1/1	0.96	0.17	55,55,55,55	0
56	MG	AA	3178	1/1	0.96	0.18	65,65,65,65	0
56	MG	BA	3483	1/1	0.96	0.26	53,53,53,53	0
56	MG	DA	3321	1/1	0.96	0.23	41,41,41,41	0
56	MG	AA	3157	1/1	0.96	0.08	35,35,35,35	0
56	MG	BA	3485	1/1	0.96	0.29	44,44,44,44	0
56	MG	BA	3637	1/1	0.96	0.35	33,33,33,33	0
56	MG	DA	3328	1/1	0.96	0.15	28,28,28,28	0
56	MG	DA	3605	1/1	0.96	0.15	44,44,44,44	0
56	MG	DA	3606	1/1	0.96	0.10	58,58,58,58	0
56	MG	DA	3607	1/1	0.96	0.10	45,45,45,45	0
56	MG	BA	3488	1/1	0.96	0.35	35,35,35,35	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	DA	3333	1/1	0.96	0.24	58,58,58,58	0
56	MG	CA	3132	1/1	0.96	0.11	70,70,70,70	0
56	MG	BA	3176	1/1	0.96	0.19	38,38,38,38	0
56	MG	AA	3161	1/1	0.96	0.12	72,72,72,72	0
56	MG	BA	3497	1/1	0.96	0.14	62,62,62,62	0
56	MG	DA	3341	1/1	0.96	0.19	23,23,23,23	0
56	MG	BA	3642	1/1	0.96	0.24	51,51,51,51	0
56	MG	BA	3359	1/1	0.96	0.20	23,23,23,23	0
56	MG	DA	3345	1/1	0.96	0.09	31,31,31,31	0
56	MG	DA	3622	1/1	0.96	0.08	55,55,55,55	0
56	MG	BV	201	1/1	0.96	0.40	53,53,53,53	0
56	MG	DA	3348	1/1	0.96	0.32	37,37,37,37	0
56	MG	BA	3361	1/1	0.96	0.26	34,34,34,34	0
56	MG	BA	3362	1/1	0.96	0.09	43,43,43,43	0
56	MG	DA	3628	1/1	0.96	0.22	63,63,63,63	0
56	MG	DA	3629	1/1	0.96	0.17	19,19,19,19	0
56	MG	BV	204	1/1	0.96	0.20	20,20,20,20	0
56	MG	BA	3648	1/1	0.96	0.30	49,49,49,49	0
56	MG	DA	3633	1/1	0.96	0.20	54,54,54,54	0
56	MG	BW	202	1/1	0.96	0.18	34,34,34,34	0
56	MG	CA	3145	1/1	0.96	0.08	43,43,43,43	0
56	MG	BA	3649	1/1	0.96	0.17	66,66,66,66	0
56	MG	DA	3637	1/1	0.96	0.28	48,48,48,48	0
56	MG	BW	204	1/1	0.96	0.35	35,35,35,35	0
56	MG	DA	3639	1/1	0.96	0.30	15,15,15,15	0
56	MG	BA	3013	1/1	0.96	0.14	40,40,40,40	0
56	MG	DA	3641	1/1	0.96	0.43	61,61,61,61	0
56	MG	DA	3642	1/1	0.96	0.13	35,35,35,35	0
56	MG	BA	3651	1/1	0.96	0.13	45,45,45,45	0
56	MG	BA	3366	1/1	0.96	0.09	63,63,63,63	0
56	MG	BA	3503	1/1	0.96	0.28	31,31,31,31	0
56	MG	BA	3504	1/1	0.96	0.29	41,41,41,41	0
56	MG	DA	3133	1/1	0.96	0.15	33,33,33,33	0
56	MG	BA	3657	1/1	0.96	0.16	56,56,56,56	0
56	MG	BA	3367	1/1	0.96	0.15	50,50,50,50	0
56	MG	BA	3368	1/1	0.96	0.20	35,35,35,35	0
56	MG	DA	3381	1/1	0.96	0.27	47,47,47,47	0
56	MG	BA	3234	1/1	0.96	0.30	55,55,55,55	0
56	MG	DB	3004	1/1	0.96	0.14	68,68,68,68	0
56	MG	AA	3183	1/1	0.96	0.10	42,42,42,42	0
56	MG	BA	3663	1/1	0.96	0.23	56,56,56,56	0
56	MG	DA	3386	1/1	0.96	0.18	56,56,56,56	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	BA	3015	1/1	0.96	0.34	44,44,44,44	0
56	MG	DA	3142	1/1	0.96	0.24	33,33,33,33	0
56	MG	DA	3389	1/1	0.96	0.28	27,27,27,27	0
56	MG	BA	3665	1/1	0.96	0.21	39,39,39,39	0
56	MG	AA	3107	1/1	0.96	0.31	44,44,44,44	0
56	MG	BA	3667	1/1	0.96	0.09	63,63,63,63	0
56	MG	BA	3512	1/1	0.96	0.23	40,40,40,40	0
56	MG	DA	3397	1/1	0.96	0.18	41,41,41,41	0
56	MG	BA	3513	1/1	0.96	0.11	45,45,45,45	0
56	MG	DA	3399	1/1	0.96	0.19	41,41,41,41	0
56	MG	BA	3376	1/1	0.96	0.10	48,48,48,48	0
56	MG	DE	301	1/1	0.96	0.61	51,51,51,51	0
56	MG	AA	3108	1/1	0.96	0.47	67,67,67,67	0
56	MG	DE	304	1/1	0.96	0.20	41,41,41,41	0
56	MG	BA	3380	1/1	0.96	0.13	53,53,53,53	0
56	MG	DA	3403	1/1	0.96	0.14	28,28,28,28	0
56	MG	CA	3004	1/1	0.96	0.21	96,96,96,96	0
56	MG	DA	3152	1/1	0.96	0.23	50,50,50,50	0
56	MG	DA	3153	1/1	0.96	0.20	38,38,38,38	0
56	MG	DA	3409	1/1	0.96	0.15	32,32,32,32	0
56	MG	BA	3524	1/1	0.96	0.25	55,55,55,55	0
56	MG	DF	306	1/1	0.96	0.23	50,50,50,50	0
56	MG	BA	3384	1/1	0.96	0.39	60,60,60,60	0
56	MG	DN	5001	1/1	0.96	0.12	75,75,75,75	0
56	MG	BA	3536	1/1	0.96	0.14	27,27,27,27	0
56	MG	BA	3537	1/1	0.96	0.38	31,31,31,31	0
56	MG	DA	3416	1/1	0.96	0.07	44,44,44,44	0
56	MG	DA	3417	1/1	0.96	0.15	34,34,34,34	0
56	MG	DA	3158	1/1	0.96	0.34	57,57,57,57	0
56	MG	DV	201	1/1	0.96	0.38	55,55,55,55	0
56	MG	DA	3420	1/1	0.96	0.13	51,51,51,51	0
56	MG	DA	3422	1/1	0.96	0.11	38,38,38,38	0
56	MG	BA	3685	1/1	0.96	0.09	67,67,67,67	0
56	MG	BA	3538	1/1	0.96	0.15	36,36,36,36	0
56	MG	DA	3425	1/1	0.96	0.11	27,27,27,27	0
56	MG	DA	3426	1/1	0.96	0.15	74,74,74,74	0
56	MG	D3	101	1/1	0.96	0.45	63,63,63,63	0
56	MG	BA	3385	1/1	0.96	0.24	26,26,26,26	0
56	MG	DA	3429	1/1	0.96	0.18	44,44,44,44	0
56	MG	CA	3012	1/1	0.96	0.12	49,49,49,49	0
56	MG	DA	3432	1/1	0.96	0.27	66,66,66,66	0
56	MG	DA	3007	1/1	0.96	0.23	30,30,30,30	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($Å^2$)	Q<0.9
56	MG	DA	3166	1/1	0.96	0.08	32,32,32,32	0
56	MG	AA	3021	1/1	0.96	0.20	76,76,76,76	0
58	ZN	D9	501	1/1	0.96	0.05	66,66,66,66	0
56	MG	BA	3542	1/1	0.96	0.23	19,19,19,19	0
56	MG	BA	3543	1/1	0.96	0.29	52,52,52,52	0
56	MG	DA	3439	1/1	0.96	0.19	28,28,28,28	0
56	MG	AA	3055	1/1	0.96	0.20	50,50,50,50	0
56	MG	BA	3695	1/1	0.97	0.17	15,15,15,15	0
56	MG	BA	3696	1/1	0.97	0.26	39,39,39,39	0
56	MG	BA	3554	1/1	0.97	0.20	31,31,31,31	0
56	MG	DA	3023	1/1	0.97	0.28	52,52,52,52	0
56	MG	AA	3160	1/1	0.97	0.30	52,52,52,52	0
56	MG	BA	3322	1/1	0.97	0.23	22,22,22,22	0
56	MG	BA	3559	1/1	0.97	0.14	48,48,48,48	0
56	MG	BA	3701	1/1	0.97	0.13	32,32,32,32	0
56	MG	BA	3323	1/1	0.97	0.15	23,23,23,23	0
56	MG	BA	3203	1/1	0.97	0.26	32,32,32,32	0
56	MG	DA	3471	1/1	0.97	0.14	37,37,37,37	0
56	MG	BA	3705	1/1	0.97	0.05	39,39,39,39	0
56	MG	BA	3204	1/1	0.97	0.40	25,25,25,25	0
56	MG	AA	3207	1/1	0.97	0.28	45,45,45,45	0
56	MG	DA	3037	1/1	0.97	0.30	35,35,35,35	0
56	MG	BA	3564	1/1	0.97	0.07	52,52,52,52	0
56	MG	BA	3428	1/1	0.97	0.11	45,45,45,45	0
56	MG	BA	3710	1/1	0.97	0.21	48,48,48,48	0
56	MG	BA	3327	1/1	0.97	0.15	38,38,38,38	0
56	MG	BA	3031	1/1	0.97	0.79	41,41,41,41	0
56	MG	DA	3043	1/1	0.97	0.45	54,54,54,54	0
56	MG	BA	3713	1/1	0.97	0.10	66,66,66,66	0
56	MG	DA	3488	1/1	0.97	0.04	46,46,46,46	0
56	MG	BA	3329	1/1	0.97	0.13	29,29,29,29	0
56	MG	BA	3162	1/1	0.97	0.19	23,23,23,23	0
56	MG	BA	3572	1/1	0.97	0.20	36,36,36,36	0
56	MG	BA	3435	1/1	0.97	0.23	24,24,24,24	0
56	MG	DA	3493	1/1	0.97	0.15	29,29,29,29	0
56	MG	BA	3437	1/1	0.97	0.15	42,42,42,42	0
56	MG	DA	3495	1/1	0.97	0.22	39,39,39,39	0
56	MG	BA	3438	1/1	0.97	0.18	30,30,30,30	0
56	MG	DA	3239	1/1	0.97	0.21	39,39,39,39	0
56	MG	BA	3720	1/1	0.97	0.20	33,33,33,33	0
56	MG	DA	3241	1/1	0.97	0.21	15,15,15,15	0
56	MG	DA	3242	1/1	0.97	0.23	35,35,35,35	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	BA	3721	1/1	0.97	0.08	25,25,25,25	0
56	MG	CA	3043	1/1	0.97	0.34	49,49,49,49	0
56	MG	BA	3210	1/1	0.97	0.11	34,34,34,34	0
56	MG	DA	3504	1/1	0.97	0.08	44,44,44,44	0
56	MG	CA	3045	1/1	0.97	0.09	54,54,54,54	0
56	MG	BA	3032	1/1	0.97	0.19	49,49,49,49	0
56	MG	BA	3333	1/1	0.97	0.12	49,49,49,49	0
56	MG	DA	3508	1/1	0.97	0.19	38,38,38,38	0
56	MG	DA	3251	1/1	0.97	0.15	54,54,54,54	0
56	MG	BA	3212	1/1	0.97	0.28	43,43,43,43	0
56	MG	CA	3049	1/1	0.97	0.24	53,53,53,53	0
56	MG	CA	3050	1/1	0.97	0.13	43,43,43,43	0
56	MG	CA	3052	1/1	0.97	0.12	39,39,39,39	0
56	MG	DA	3514	1/1	0.97	0.12	39,39,39,39	0
56	MG	BA	3582	1/1	0.97	0.22	25,25,25,25	0
56	MG	BA	3729	1/1	0.97	0.40	46,46,46,46	0
56	MG	DA	3258	1/1	0.97	0.18	32,32,32,32	0
56	MG	BA	3033	1/1	0.97	0.37	35,35,35,35	0
56	MG	BA	3034	1/1	0.97	0.41	52,52,52,52	0
56	MG	BA	3734	1/1	0.97	0.26	45,45,45,45	0
56	MG	DA	3262	1/1	0.97	0.22	44,44,44,44	0
56	MG	BA	3587	1/1	0.97	0.18	23,23,23,23	0
56	MG	CA	3059	1/1	0.97	0.27	51,51,51,51	0
56	MG	BA	3447	1/1	0.97	0.13	37,37,37,37	0
56	MG	BA	3338	1/1	0.97	0.21	50,50,50,50	0
56	MG	BA	3450	1/1	0.97	0.27	46,46,46,46	0
56	MG	DA	3269	1/1	0.97	0.12	48,48,48,48	0
56	MG	BA	3451	1/1	0.97	0.30	28,28,28,28	0
56	MG	BB	3001	1/1	0.97	0.17	54,54,54,54	0
56	MG	DA	3274	1/1	0.97	0.09	52,52,52,52	0
56	MG	DA	3275	1/1	0.97	0.07	38,38,38,38	0
56	MG	BA	3593	1/1	0.97	0.14	74,74,74,74	0
56	MG	AA	3208	1/1	0.97	0.34	46,46,46,46	0
56	MG	BA	3167	1/1	0.97	0.39	39,39,39,39	0
56	MG	BA	3455	1/1	0.97	0.14	47,47,47,47	0
56	MG	BA	3456	1/1	0.97	0.10	52,52,52,52	0
56	MG	DA	3282	1/1	0.97	0.14	36,36,36,36	0
56	MG	BA	3267	1/1	0.97	0.16	41,41,41,41	0
56	MG	BA	3063	1/1	0.97	0.28	43,43,43,43	0
56	MG	DA	3546	1/1	0.97	0.12	44,44,44,44	0
56	MG	DA	3547	1/1	0.97	0.10	41,41,41,41	0
56	MG	BA	3600	1/1	0.97	0.15	47,47,47,47	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	BA	3064	1/1	0.97	0.19	39,39,39,39	0
56	MG	BB	3015	1/1	0.97	0.10	37,37,37,37	0
56	MG	DA	3085	1/1	0.97	0.12	36,36,36,36	0
56	MG	BA	3170	1/1	0.97	0.66	48,48,48,48	0
56	MG	DA	3291	1/1	0.97	0.24	35,35,35,35	0
56	MG	BA	3220	1/1	0.97	0.10	57,57,57,57	0
56	MG	DA	3088	1/1	0.97	0.15	46,46,46,46	0
56	MG	BA	3349	1/1	0.97	0.26	43,43,43,43	0
56	MG	BA	3272	1/1	0.97	0.34	7,7,7,7	0
56	MG	CA	3083	1/1	0.97	0.08	39,39,39,39	0
56	MG	BA	3351	1/1	0.97	0.07	30,30,30,30	0
56	MG	DA	3563	1/1	0.97	0.15	64,64,64,64	0
56	MG	BA	3352	1/1	0.97	0.12	34,34,34,34	0
56	MG	BA	3469	1/1	0.97	0.09	38,38,38,38	0
56	MG	DA	3300	1/1	0.97	0.15	37,37,37,37	0
56	MG	DA	3302	1/1	0.97	0.18	22,22,22,22	0
56	MG	CA	3088	1/1	0.97	0.26	43,43,43,43	0
56	MG	BA	3171	1/1	0.97	0.41	40,40,40,40	0
56	MG	DA	3571	1/1	0.97	0.14	46,46,46,46	0
56	MG	BA	3274	1/1	0.97	0.16	52,52,52,52	0
56	MG	DA	3573	1/1	0.97	0.19	40,40,40,40	0
56	MG	BD	308	1/1	0.97	0.33	23,23,23,23	0
56	MG	DA	3309	1/1	0.97	0.17	33,33,33,33	0
56	MG	BA	3473	1/1	0.97	0.11	51,51,51,51	0
56	MG	BA	3096	1/1	0.97	0.35	62,62,62,62	0
56	MG	BA	3475	1/1	0.97	0.21	36,36,36,36	0
56	MG	BA	3173	1/1	0.97	0.58	37,37,37,37	0
56	MG	AA	3150	1/1	0.97	0.27	46,46,46,46	0
56	MG	CA	3101	1/1	0.97	0.18	70,70,70,70	0
56	MG	BE	304	1/1	0.97	0.09	49,49,49,49	0
56	MG	DA	3583	1/1	0.97	0.28	48,48,48,48	0
56	MG	DA	3584	1/1	0.97	0.16	61,61,61,61	0
56	MG	BA	3479	1/1	0.97	0.10	56,56,56,56	0
56	MG	DA	3586	1/1	0.97	0.09	29,29,29,29	0
56	MG	AA	3102	1/1	0.97	0.06	64,64,64,64	0
56	MG	BA	3621	1/1	0.97	0.36	74,74,74,74	0
56	MG	BE	310	1/1	0.97	0.24	50,50,50,50	0
56	MG	BF	301	1/1	0.97	0.52	45,45,45,45	0
56	MG	AA	3171	1/1	0.97	0.25	72,72,72,72	0
56	MG	BA	3623	1/1	0.97	0.21	47,47,47,47	0
56	MG	DA	3335	1/1	0.97	0.26	38,38,38,38	0
56	MG	BF	305	1/1	0.97	0.32	35,35,35,35	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	DA	3596	1/1	0.97	0.10	67,67,67,67	0
56	MG	BF	306	1/1	0.97	0.18	37,37,37,37	0
56	MG	CA	3112	1/1	0.97	0.23	59,59,59,59	0
56	MG	BA	3360	1/1	0.97	0.19	38,38,38,38	0
56	MG	AA	3182	1/1	0.97	0.12	49,49,49,49	0
56	MG	AA	3156	1/1	0.97	0.17	62,62,62,62	0
56	MG	DA	3344	1/1	0.97	0.11	26,26,26,26	0
56	MG	BA	3486	1/1	0.97	0.06	38,38,38,38	0
56	MG	BA	3363	1/1	0.97	0.15	39,39,39,39	0
56	MG	CA	3118	1/1	0.97	0.08	37,37,37,37	0
56	MG	DA	3349	1/1	0.97	0.17	54,54,54,54	0
56	MG	BA	3629	1/1	0.97	0.13	47,47,47,47	0
56	MG	CA	3120	1/1	0.97	0.19	58,58,58,58	0
56	MG	CA	3121	1/1	0.97	0.27	53,53,53,53	0
56	MG	DA	3356	1/1	0.97	0.11	27,27,27,27	0
56	MG	BA	3489	1/1	0.97	0.14	43,43,43,43	0
56	MG	BA	3490	1/1	0.97	0.26	38,38,38,38	0
56	MG	DA	3616	1/1	0.97	0.23	62,62,62,62	0
56	MG	BA	3493	1/1	0.97	0.37	15,15,15,15	0
56	MG	BA	3364	1/1	0.97	0.24	29,29,29,29	0
56	MG	BO	201	1/1	0.97	0.14	70,70,70,70	0
56	MG	CA	3130	1/1	0.97	0.08	65,65,65,65	0
56	MG	BA	3232	1/1	0.97	0.15	29,29,29,29	0
56	MG	BP	202	1/1	0.97	0.11	40,40,40,40	0
56	MG	BP	203	1/1	0.97	0.69	29,29,29,29	0
56	MG	BA	3636	1/1	0.97	0.11	36,36,36,36	0
56	MG	DA	3368	1/1	0.97	0.12	39,39,39,39	0
56	MG	AA	3057	1/1	0.97	0.09	37,37,37,37	0
56	MG	DA	3371	1/1	0.97	0.07	44,44,44,44	0
56	MG	DA	3630	1/1	0.97	0.20	40,40,40,40	0
56	MG	DA	3136	1/1	0.97	0.11	49,49,49,49	0
56	MG	DA	3374	1/1	0.97	0.05	37,37,37,37	0
56	MG	DA	3375	1/1	0.97	0.14	60,60,60,60	0
56	MG	AA	3185	1/1	0.97	0.28	46,46,46,46	0
56	MG	BQ	204	1/1	0.97	0.18	12,12,12,12	0
56	MG	AA	3186	1/1	0.97	0.07	49,49,49,49	0
56	MG	BA	3369	1/1	0.97	0.22	45,45,45,45	0
56	MG	BR	203	1/1	0.97	0.18	15,15,15,15	0
56	MG	AA	3158	1/1	0.97	0.20	44,44,44,44	0
56	MG	BA	3184	1/1	0.97	0.38	49,49,49,49	0
56	MG	AX	110	1/1	0.97	0.20	42,42,42,42	0
56	MG	BA	3644	1/1	0.97	0.16	43,43,43,43	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	BA	3239	1/1	0.97	0.10	33,33,33,33	0
56	MG	BA	3646	1/1	0.97	0.23	52,52,52,52	0
56	MG	AA	3176	1/1	0.97	0.09	63,63,63,63	0
56	MG	BA	3077	1/1	0.97	0.20	39,39,39,39	0
56	MG	DA	3650	1/1	0.97	0.58	48,48,48,48	0
56	MG	BA	3379	1/1	0.97	0.22	22,22,22,22	0
56	MG	BA	3294	1/1	0.97	0.28	37,37,37,37	0
56	MG	BA	3002	1/1	0.97	0.20	54,54,54,54	0
56	MG	BA	3296	1/1	0.97	0.25	46,46,46,46	0
56	MG	BA	3003	1/1	0.97	0.16	43,43,43,43	0
56	MG	BA	3080	1/1	0.97	0.52	45,45,45,45	0
56	MG	BA	3390	1/1	0.97	0.25	30,30,30,30	0
56	MG	AA	3221	1/1	0.97	0.10	64,64,64,64	0
56	MG	BA	3517	1/1	0.97	0.08	49,49,49,49	0
56	MG	BA	3518	1/1	0.97	0.10	41,41,41,41	0
56	MG	DA	3160	1/1	0.97	0.15	44,44,44,44	0
56	MG	BA	3521	1/1	0.97	0.12	49,49,49,49	0
56	MG	BA	3392	1/1	0.97	0.26	56,56,56,56	0
56	MG	BA	3026	1/1	0.97	0.47	36,36,36,36	0
56	MG	DA	3412	1/1	0.97	0.28	30,30,30,30	0
56	MG	CA	3166	1/1	0.97	0.23	59,59,59,59	0
56	MG	BA	3527	1/1	0.97	0.18	64,64,64,64	0
56	MG	DD	303	1/1	0.97	0.20	19,19,19,19	0
56	MG	DD	304	1/1	0.97	0.23	35,35,35,35	0
56	MG	CA	3169	1/1	0.97	0.16	57,57,57,57	0
56	MG	BA	3530	1/1	0.97	0.28	31,31,31,31	0
56	MG	CA	3171	1/1	0.97	0.32	67,67,67,67	0
56	MG	BA	3532	1/1	0.97	0.18	34,34,34,34	0
56	MG	DA	3421	1/1	0.97	0.19	34,34,34,34	0
56	MG	BA	3668	1/1	0.97	0.13	38,38,38,38	0
56	MG	BA	3534	1/1	0.97	0.12	41,41,41,41	0
56	MG	DA	3173	1/1	0.97	0.41	39,39,39,39	0
56	MG	BA	3302	1/1	0.97	0.13	27,27,27,27	0
56	MG	DA	3176	1/1	0.97	0.27	39,39,39,39	0
56	MG	BA	3396	1/1	0.97	0.18	22,22,22,22	0
56	MG	DA	3428	1/1	0.97	0.27	51,51,51,51	0
56	MG	CX	102	1/1	0.97	0.06	61,61,61,61	0
56	MG	DA	3180	1/1	0.97	0.21	46,46,46,46	0
56	MG	DA	3431	1/1	0.97	0.12	41,41,41,41	0
56	MG	BA	3115	1/1	0.97	0.26	36,36,36,36	0
56	MG	CX	104	1/1	0.97	0.14	40,40,40,40	0
56	MG	DO	5001	1/1	0.97	0.12	35,35,35,35	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	DA	3184	1/1	0.97	0.32	45,45,45,45	0
56	MG	BA	3400	1/1	0.97	0.19	24,24,24,24	0
56	MG	DQ	203	1/1	0.97	0.32	57,57,57,57	0
56	MG	DQ	204	1/1	0.97	0.13	43,43,43,43	0
56	MG	DA	3436	1/1	0.97	0.07	62,62,62,62	0
56	MG	BA	3539	1/1	0.97	0.16	35,35,35,35	0
56	MG	BA	3116	1/1	0.97	0.20	31,31,31,31	0
56	MG	B8	103	1/1	0.97	0.19	24,24,24,24	0
56	MG	BA	3680	1/1	0.97	0.35	37,37,37,37	0
56	MG	BA	3682	1/1	0.97	0.22	38,38,38,38	0
56	MG	DA	3192	1/1	0.97	0.12	47,47,47,47	0
56	MG	AA	3203	1/1	0.97	0.12	63,63,63,63	0
56	MG	AA	3204	1/1	0.97	0.14	54,54,54,54	0
56	MG	DA	3445	1/1	0.97	0.23	39,39,39,39	0
56	MG	D0	101	1/1	0.97	0.12	63,63,63,63	0
56	MG	DA	3446	1/1	0.97	0.11	52,52,52,52	0
56	MG	BA	3404	1/1	0.97	0.15	35,35,35,35	0
56	MG	DA	3449	1/1	0.97	0.09	43,43,43,43	0
56	MG	BA	3311	1/1	0.97	0.23	42,42,42,42	0
56	MG	BA	3119	1/1	0.97	0.25	58,58,58,58	0
56	MG	BA	3314	1/1	0.97	0.17	24,24,24,24	0
56	MG	BA	3315	1/1	0.97	0.11	37,37,37,37	0
58	ZN	DY	501	1/1	0.97	0.05	83,83,83,83	0
56	MG	BA	3317	1/1	0.97	0.15	40,40,40,40	0
58	ZN	D6	501	1/1	0.97	0.12	61,61,61,61	0
56	MG	DA	3455	1/1	0.97	0.17	60,60,60,60	0
56	MG	BA	3550	1/1	0.97	0.24	45,45,45,45	0
56	MG	BA	3120	1/1	0.97	0.09	51,51,51,51	0
56	MG	BA	3552	1/1	0.97	0.23	29,29,29,29	0
56	MG	BA	3694	1/1	0.97	0.37	56,56,56,56	0
56	MG	AA	3103	1/1	0.98	0.19	38,38,38,38	0
56	MG	DA	3523	1/1	0.98	0.06	55,55,55,55	0
56	MG	BA	3179	1/1	0.98	0.20	43,43,43,43	0
56	MG	DA	3174	1/1	0.98	0.26	41,41,41,41	0
56	MG	BA	3602	1/1	0.98	0.09	35,35,35,35	0
56	MG	BA	3081	1/1	0.98	0.08	14,14,14,14	0
56	MG	DA	3177	1/1	0.98	0.08	33,33,33,33	0
56	MG	DA	3529	1/1	0.98	0.10	63,63,63,63	0
56	MG	CA	3085	1/1	0.98	0.30	43,43,43,43	0
56	MG	AA	3172	1/1	0.98	0.05	53,53,53,53	0
56	MG	BU	203	1/1	0.98	0.35	33,33,33,33	0
56	MG	DA	3533	1/1	0.98	0.08	68,68,68,68	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	DA	3351	1/1	0.98	0.38	35,35,35,35	0
56	MG	AA	3163	1/1	0.98	0.17	28,28,28,28	0
56	MG	BA	3702	1/1	0.98	0.12	56,56,56,56	0
56	MG	DA	3354	1/1	0.98	0.15	27,27,27,27	0
56	MG	BA	3281	1/1	0.98	0.18	52,52,52,52	0
56	MG	BU	207	1/1	0.98	0.21	40,40,40,40	0
56	MG	DA	3541	1/1	0.98	0.28	35,35,35,35	0
56	MG	CA	3092	1/1	0.98	0.12	47,47,47,47	0
56	MG	CA	3093	1/1	0.98	0.06	53,53,53,53	0
56	MG	BA	3131	1/1	0.98	0.72	54,54,54,54	0
56	MG	BA	3519	1/1	0.98	0.12	39,39,39,39	0
56	MG	BA	3445	1/1	0.98	0.20	25,25,25,25	0
56	MG	BA	3522	1/1	0.98	0.14	49,49,49,49	0
56	MG	CA	3098	1/1	0.98	0.23	46,46,46,46	0
56	MG	DA	3551	1/1	0.98	0.08	52,52,52,52	0
56	MG	DA	3365	1/1	0.98	0.06	40,40,40,40	0
56	MG	BA	3375	1/1	0.98	0.24	31,31,31,31	0
56	MG	CA	3100	1/1	0.98	0.11	60,60,60,60	0
56	MG	BA	3612	1/1	0.98	0.15	37,37,37,37	0
56	MG	BA	3283	1/1	0.98	0.15	17,17,17,17	0
56	MG	DA	3370	1/1	0.98	0.15	38,38,38,38	0
56	MG	DA	3059	1/1	0.98	0.08	46,46,46,46	0
56	MG	DA	3372	1/1	0.98	0.12	45,45,45,45	0
56	MG	BA	3525	1/1	0.98	0.23	43,43,43,43	0
56	MG	DA	3561	1/1	0.98	0.19	45,45,45,45	0
56	MG	BA	3526	1/1	0.98	0.19	19,19,19,19	0
56	MG	BA	3448	1/1	0.98	0.09	29,29,29,29	0
56	MG	BA	3529	1/1	0.98	0.21	35,35,35,35	0
56	MG	DA	3377	1/1	0.98	0.24	59,59,59,59	0
56	MG	BA	3008	1/1	0.98	0.13	50,50,50,50	0
56	MG	DA	3380	1/1	0.98	0.16	26,26,26,26	0
56	MG	AA	3062	1/1	0.98	0.08	32,32,32,32	0
56	MG	DA	3569	1/1	0.98	0.19	37,37,37,37	0
56	MG	DA	3205	1/1	0.98	0.09	38,38,38,38	0
56	MG	BA	3533	1/1	0.98	0.18	32,32,32,32	0
56	MG	BA	3186	1/1	0.98	0.14	53,53,53,53	0
56	MG	DA	3385	1/1	0.98	0.15	35,35,35,35	0
56	MG	BA	3381	1/1	0.98	0.10	37,37,37,37	0
56	MG	BA	3382	1/1	0.98	0.13	51,51,51,51	0
56	MG	BA	3454	1/1	0.98	0.09	22,22,22,22	0
56	MG	BA	3010	1/1	0.98	0.17	32,32,32,32	0
56	MG	DA	3390	1/1	0.98	0.09	42,42,42,42	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	MG	B3	101	1/1	0.98	0.15	28,28,28,28	0
56	MG	B3	102	1/1	0.98	0.13	59,59,59,59	0
56	MG	BA	3723	1/1	0.98	0.14	49,49,49,49	0
56	MG	DA	3394	1/1	0.98	0.14	47,47,47,47	0
56	MG	DA	3395	1/1	0.98	0.21	34,34,34,34	0
56	MG	DA	3215	1/1	0.98	0.30	29,29,29,29	0
56	MG	BA	3046	1/1	0.98	0.14	29,29,29,29	0
56	MG	BA	3725	1/1	0.98	0.12	49,49,49,49	0
56	MG	AA	3165	1/1	0.98	0.15	23,23,23,23	0
56	MG	DA	3588	1/1	0.98	0.18	40,40,40,40	0
56	MG	AA	3027	1/1	0.98	0.06	55,55,55,55	0
56	MG	BA	3459	1/1	0.98	0.22	31,31,31,31	0
56	MG	BA	3388	1/1	0.98	0.15	34,34,34,34	0
56	MG	B8	102	1/1	0.98	0.10	60,60,60,60	0
56	MG	DA	3404	1/1	0.98	0.16	47,47,47,47	0
56	MG	BA	3544	1/1	0.98	0.23	27,27,27,27	0
56	MG	BA	3389	1/1	0.98	0.12	48,48,48,48	0
56	MG	CA	3128	1/1	0.98	0.26	41,41,41,41	0
56	MG	DA	3408	1/1	0.98	0.22	37,37,37,37	0
56	MG	CA	3129	1/1	0.98	0.14	45,45,45,45	0
56	MG	DA	3227	1/1	0.98	0.14	53,53,53,53	0
56	MG	DA	3600	1/1	0.98	0.07	45,45,45,45	0
56	MG	BA	3733	1/1	0.98	0.11	27,27,27,27	0
56	MG	BA	3634	1/1	0.98	0.70	63,63,63,63	0
56	MG	BA	3222	1/1	0.98	0.29	25,25,25,25	0
56	MG	CA	3133	1/1	0.98	0.05	49,49,49,49	0
56	MG	DA	3234	1/1	0.98	0.23	33,33,33,33	0
56	MG	BA	3337	1/1	0.98	0.17	23,23,23,23	0
56	MG	DA	3418	1/1	0.98	0.17	29,29,29,29	0
56	MG	DA	3608	1/1	0.98	0.27	57,57,57,57	0
56	MG	DA	3236	1/1	0.98	0.17	46,46,46,46	0
56	MG	AA	3141	1/1	0.98	0.21	48,48,48,48	0
56	MG	BA	3393	1/1	0.98	0.18	38,38,38,38	0
56	MG	BA	3467	1/1	0.98	0.06	40,40,40,40	0
56	MG	BA	3113	1/1	0.98	0.09	32,32,32,32	0
56	MG	BA	3070	1/1	0.98	0.13	35,35,35,35	0
56	MG	BA	3341	1/1	0.98	0.09	33,33,33,33	0
56	MG	AA	3097	1/1	0.98	0.25	43,43,43,43	0
56	MG	DA	3244	1/1	0.98	0.31	29,29,29,29	0
56	MG	BA	3556	1/1	0.98	0.31	27,27,27,27	0
56	MG	BA	3557	1/1	0.98	0.23	31,31,31,31	0
56	MG	BA	3398	1/1	0.98	0.11	41,41,41,41	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\AA^2$)	Q<0.9
56	MG	BA	3227	1/1	0.98	0.30	32,32,32,32	0
56	MG	CA	3017	1/1	0.98	0.24	42,42,42,42	0
56	MG	DA	3250	1/1	0.98	0.14	31,31,31,31	0
56	MG	BA	3228	1/1	0.98	0.27	63,63,63,63	0
56	MG	CA	3148	1/1	0.98	0.19	68,68,68,68	0
56	MG	BB	3012	1/1	0.98	0.15	56,56,56,56	0
56	MG	BB	3013	1/1	0.98	0.10	39,39,39,39	0
56	MG	BA	3195	1/1	0.98	0.33	47,47,47,47	0
56	MG	CA	3022	1/1	0.98	0.04	70,70,70,70	0
56	MG	BA	3347	1/1	0.98	0.27	25,25,25,25	0
56	MG	BB	3016	1/1	0.98	0.12	21,21,21,21	0
56	MG	BA	3478	1/1	0.98	0.15	29,29,29,29	0
56	MG	AA	3179	1/1	0.98	0.26	34,34,34,34	0
56	MG	BA	3480	1/1	0.98	0.20	17,17,17,17	0
56	MG	BA	3264	1/1	0.98	0.17	30,30,30,30	0
56	MG	BA	3655	1/1	0.98	0.21	52,52,52,52	0
56	MG	BA	3656	1/1	0.98	0.11	33,33,33,33	0
56	MG	DA	3448	1/1	0.98	0.08	57,57,57,57	0
56	MG	BA	3567	1/1	0.98	0.22	37,37,37,37	0
56	MG	AA	3220	1/1	0.98	0.12	40,40,40,40	0
56	MG	DA	3644	1/1	0.98	0.08	42,42,42,42	0
56	MG	DA	3645	1/1	0.98	0.09	30,30,30,30	0
56	MG	BA	3569	1/1	0.98	0.18	19,19,19,19	0
56	MG	DA	3268	1/1	0.98	0.17	40,40,40,40	0
56	MG	CA	3165	1/1	0.98	0.08	40,40,40,40	0
56	MG	DA	3649	1/1	0.98	0.24	24,24,24,24	0
56	MG	BA	3095	1/1	0.98	0.47	55,55,55,55	0
56	MG	BA	3411	1/1	0.98	0.15	38,38,38,38	0
56	MG	DA	3652	1/1	0.98	0.60	60,60,60,60	0
56	MG	CA	3168	1/1	0.98	0.39	77,77,77,77	0
56	MG	BD	310	1/1	0.98	0.31	48,48,48,48	0
56	MG	AA	3205	1/1	0.98	0.19	61,61,61,61	0
56	MG	DA	3277	1/1	0.98	0.25	49,49,49,49	0
56	MG	BA	3305	1/1	0.98	0.13	44,44,44,44	0
56	MG	BA	3574	1/1	0.98	0.08	54,54,54,54	0
56	MG	BE	302	1/1	0.98	0.22	33,33,33,33	0
56	MG	CE	3002	1/1	0.98	0.07	55,55,55,55	0
56	MG	BA	3487	1/1	0.98	0.12	31,31,31,31	0
56	MG	AA	3192	1/1	0.98	0.08	57,57,57,57	0
56	MG	BA	3418	1/1	0.98	0.15	27,27,27,27	0
56	MG	DA	3467	1/1	0.98	0.09	35,35,35,35	0
56	MG	BA	3307	1/1	0.98	0.20	33,33,33,33	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\AA^2$)	Q<0.9
56	MG	BA	3670	1/1	0.98	0.08	59,59,59,59	0
56	MG	BE	308	1/1	0.98	0.18	52,52,52,52	0
56	MG	BE	309	1/1	0.98	0.27	25,25,25,25	0
56	MG	BA	3491	1/1	0.98	0.19	23,23,23,23	0
56	MG	DA	3473	1/1	0.98	0.31	32,32,32,32	0
56	MG	DA	3290	1/1	0.98	0.07	42,42,42,42	0
56	MG	DA	3475	1/1	0.98	0.11	36,36,36,36	0
56	MG	DA	3476	1/1	0.98	0.20	45,45,45,45	0
56	MG	DA	3477	1/1	0.98	0.09	49,49,49,49	0
56	MG	BA	3420	1/1	0.98	0.30	33,33,33,33	0
56	MG	BA	3581	1/1	0.98	0.10	51,51,51,51	0
56	MG	DE	303	1/1	0.98	0.11	41,41,41,41	0
56	MG	DA	3480	1/1	0.98	0.09	52,52,52,52	0
56	MG	CA	3051	1/1	0.98	0.10	63,63,63,63	0
56	MG	BA	3308	1/1	0.98	0.08	44,44,44,44	0
56	MG	BA	3675	1/1	0.98	0.12	49,49,49,49	0
56	MG	BA	3583	1/1	0.98	0.20	27,27,27,27	0
56	MG	BA	3036	1/1	0.98	0.18	38,38,38,38	0
56	MG	BA	3678	1/1	0.98	0.16	53,53,53,53	0
56	MG	BA	3679	1/1	0.98	0.40	27,27,27,27	0
56	MG	BA	3424	1/1	0.98	0.17	15,15,15,15	0
56	MG	BA	3681	1/1	0.98	0.14	40,40,40,40	0
56	MG	BA	3586	1/1	0.98	0.19	29,29,29,29	0
56	MG	BA	3310	1/1	0.98	0.17	13,13,13,13	0
56	MG	AA	3193	1/1	0.98	0.10	60,60,60,60	0
56	MG	AA	3143	1/1	0.98	0.15	45,45,45,45	0
56	MG	DA	3308	1/1	0.98	0.32	30,30,30,30	0
56	MG	CA	3064	1/1	0.98	0.12	58,58,58,58	0
56	MG	DA	3019	1/1	0.98	0.13	30,30,30,30	0
56	MG	BN	3004	1/1	0.98	0.40	66,66,66,66	0
56	MG	DA	3313	1/1	0.98	0.17	52,52,52,52	0
56	MG	BA	3313	1/1	0.98	0.27	36,36,36,36	0
56	MG	BA	3591	1/1	0.98	0.32	48,48,48,48	0
56	MG	DA	3316	1/1	0.98	0.17	58,58,58,58	0
56	MG	DA	3317	1/1	0.98	0.12	32,32,32,32	0
56	MG	BA	3429	1/1	0.98	0.14	20,20,20,20	0
56	MG	BA	3150	1/1	0.98	0.45	34,34,34,34	0
56	MG	DA	3320	1/1	0.98	0.17	30,30,30,30	0
56	MG	DA	3025	1/1	0.98	0.38	44,44,44,44	0
56	MG	DA	3026	1/1	0.98	0.21	37,37,37,37	0
56	MG	DA	3323	1/1	0.98	0.18	30,30,30,30	0
56	MG	AA	3091	1/1	0.98	0.15	75,75,75,75	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($Å^2$)	Q<0.9
56	MG	BA	3316	1/1	0.98	0.16	28,28,28,28	0
56	MG	DA	3327	1/1	0.98	0.18	29,29,29,29	0
58	ZN	BY	202	1/1	0.98	0.09	71,71,71,71	0
56	MG	BQ	201	1/1	0.98	0.43	61,61,61,61	0
56	MG	DA	3165	1/1	0.98	0.24	44,44,44,44	0
56	MG	DA	3330	1/1	0.98	0.14	37,37,37,37	0
56	MG	BA	3433	1/1	0.98	0.24	39,39,39,39	0
56	MG	BA	3207	1/1	0.98	0.23	35,35,35,35	0
56	MG	BA	3208	1/1	0.98	0.28	41,41,41,41	0
56	MG	BA	3436	1/1	0.98	0.09	37,37,37,37	0
56	MG	DA	3337	1/1	0.98	0.09	27,27,27,27	0
56	MG	DA	3035	1/1	0.98	0.23	56,56,56,56	0
56	MG	BR	201	1/1	0.98	0.60	51,51,51,51	0
56	MG	AX	109	1/1	0.99	0.09	43,43,43,43	0
56	MG	AA	3159	1/1	0.99	0.32	57,57,57,57	0
56	MG	AA	3188	1/1	0.99	0.24	53,53,53,53	0
56	MG	BA	3508	1/1	0.99	0.14	34,34,34,34	0
56	MG	BA	3378	1/1	0.99	0.12	20,20,20,20	0
56	MG	BA	3318	1/1	0.99	0.13	33,33,33,33	0
56	MG	DA	3312	1/1	0.99	0.27	43,43,43,43	0
56	MG	BA	3423	1/1	0.99	0.07	26,26,26,26	0
56	MG	DA	3379	1/1	0.99	0.22	28,28,28,28	0
56	MG	BF	303	1/1	0.99	0.27	36,36,36,36	0
56	MG	CA	3069	1/1	0.99	0.11	69,69,69,69	0
56	MG	BA	3051	1/1	0.99	0.15	20,20,20,20	0
56	MG	BA	3662	1/1	0.99	0.12	39,39,39,39	0
56	MG	BA	3399	1/1	0.99	0.19	18,18,18,18	0
56	MG	CA	3122	1/1	0.99	0.07	47,47,47,47	0
56	MG	BA	3154	1/1	0.99	0.17	61,61,61,61	0
56	MG	BA	3321	1/1	0.99	0.16	29,29,29,29	0
56	MG	BA	3516	1/1	0.99	0.09	47,47,47,47	0
56	MG	BA	3553	1/1	0.99	0.13	31,31,31,31	0
56	MG	DA	3324	1/1	0.99	0.23	40,40,40,40	0
56	MG	CA	3077	1/1	0.99	0.22	53,53,53,53	0
56	MG	BA	3383	1/1	0.99	0.18	38,38,38,38	0
56	MG	AA	3214	1/1	0.99	0.27	75,75,75,75	0
56	MG	CA	3080	1/1	0.99	0.14	55,55,55,55	0
56	MG	BB	3010	1/1	0.99	0.26	40,40,40,40	0
56	MG	BB	3011	1/1	0.99	0.15	37,37,37,37	0
56	MG	DA	3331	1/1	0.99	0.09	34,34,34,34	0
56	MG	DA	3332	1/1	0.99	0.13	33,33,33,33	0
56	MG	BA	3200	1/1	0.99	0.27	25,25,25,25	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($Å^2$)	Q<0.9
56	MG	DA	3271	1/1	0.99	0.20	37,37,37,37	0
56	MG	DA	3272	1/1	0.99	0.28	27,27,27,27	0
56	MG	BA	3520	1/1	0.99	0.14	34,34,34,34	0
56	MG	AA	3144	1/1	0.99	0.08	48,48,48,48	0
56	MG	DA	3338	1/1	0.99	0.14	29,29,29,29	0
56	MG	BN	3006	1/1	0.99	0.12	24,24,24,24	0
56	MG	DA	3540	1/1	0.99	0.23	54,54,54,54	0
56	MG	BA	3126	1/1	0.99	0.22	24,24,24,24	0
56	MG	DA	3612	1/1	0.99	0.15	39,39,39,39	0
56	MG	DA	3542	1/1	0.99	0.18	32,32,32,32	0
56	MG	BA	3460	1/1	0.99	0.13	33,33,33,33	0
56	MG	B7	102	1/1	0.99	0.25	40,40,40,40	0
56	MG	BA	3407	1/1	0.99	0.19	15,15,15,15	0
56	MG	AA	3151	1/1	0.99	0.08	41,41,41,41	0
56	MG	DA	3618	1/1	0.99	0.12	39,39,39,39	0
56	MG	BA	3492	1/1	0.99	0.25	23,23,23,23	0
56	MG	DA	3346	1/1	0.99	0.23	29,29,29,29	0
56	MG	DA	3549	1/1	0.99	0.24	52,52,52,52	0
56	MG	DA	3413	1/1	0.99	0.20	53,53,53,53	0
56	MG	BA	3409	1/1	0.99	0.23	27,27,27,27	0
56	MG	BA	3528	1/1	0.99	0.22	33,33,33,33	0
56	MG	DA	3625	1/1	0.99	0.10	35,35,35,35	0
56	MG	BA	3494	1/1	0.99	0.34	18,18,18,18	0
56	MG	CA	3001	1/1	0.99	0.21	55,55,55,55	0
56	MG	BA	3410	1/1	0.99	0.15	27,27,27,27	0
56	MG	BA	3531	1/1	0.99	0.29	38,38,38,38	0
56	MG	DA	3230	1/1	0.99	0.16	62,62,62,62	0
56	MG	BA	3371	1/1	0.99	0.18	15,15,15,15	0
56	MG	DA	3355	1/1	0.99	0.26	18,18,18,18	0
56	MG	BA	3128	1/1	0.99	0.27	40,40,40,40	0
56	MG	BA	3342	1/1	0.99	0.19	31,31,31,31	0
56	MG	BA	3414	1/1	0.99	0.21	19,19,19,19	0
57	SF4	AD	501	8/8	0.99	0.14	59,72,92,96	0
57	SF4	CD	501	8/8	0.99	0.14	64,75,91,95	0
56	MG	BA	3415	1/1	0.99	0.24	27,27,27,27	0
56	MG	DA	3181	1/1	0.99	0.30	36,36,36,36	0
56	MG	CA	3154	1/1	0.99	0.13	49,49,49,49	0
58	ZN	B5	501	1/1	0.99	0.11	54,54,54,54	0
56	MG	BA	3442	1/1	0.99	0.15	12,12,12,12	0
56	MG	BA	3471	1/1	0.99	0.17	51,51,51,51	0
56	MG	DA	3028	1/1	0.99	0.06	35,35,35,35	0
58	ZN	D5	103	1/1	0.99	0.07	70,70,70,70	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($Å^2$)	Q<0.9
56	MG	BA	3416	1/1	0.99	0.25	42,42,42,42	0
56	MG	BA	3614	1/1	0.99	0.42	30,30,30,30	0
56	MG	DA	3301	1/1	0.99	0.14	45,45,45,45	0
56	MG	AA	3073	1/1	0.99	0.07	46,46,46,46	0
56	MG	BA	3732	1/1	0.99	0.52	61,61,61,61	0
56	MG	DA	3190	1/1	0.99	0.13	37,37,37,37	0
58	ZN	B6	501	1/1	1.00	0.13	49,49,49,49	0
58	ZN	B9	501	1/1	1.00	0.12	48,48,48,48	0
56	MG	DA	3304	1/1	1.00	0.11	35,35,35,35	0

6.5 Other polymers ⓘ

There are no such residues in this entry.