wwPDB X-ray Structure Validation Summary Report (i)

Nov 13, 2024 – 11:57 PM EST

PDB ID	:	4V8F
Title	:	Crystal structure analysis of ribosomal decoding (near-cognate tRNA-ttyr complex with paromomycin).
Authors	:	Jenner, L.; Demeshkina, N.; Yusupov, M.; Yusupova, G.
Deposited on	:	2011-12-07
Resolution	:	3.30 Å(reported)

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

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

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

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

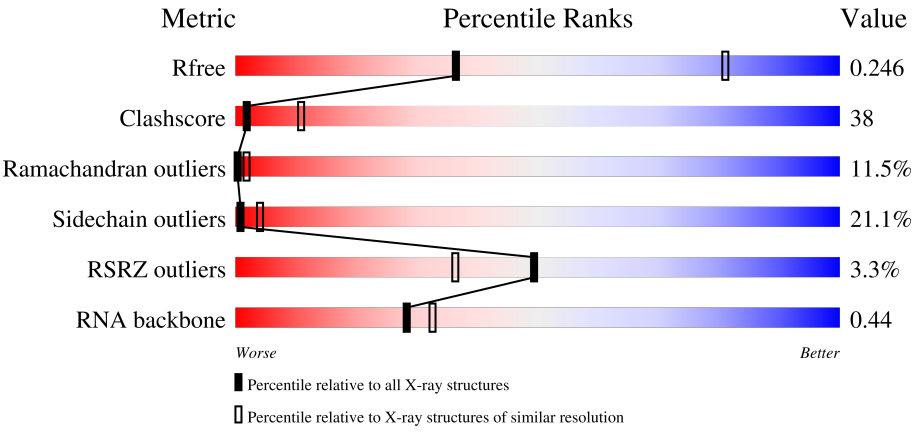
MolProbity	:	4.02b-467
Mogul	:	2022.3.0, CSD as543be (2022)
Xtriage (Phenix)	:	1.20.1
EDS	:	3.0
buster-report	:	1.1.7 (2018)
Percentile statistics	:	20231227.v01 (using entries in the PDB archive December 27th 2023)
CCP4	:	9.0.003 (Gargrove)
Density-Fitness	:	1.0.11
Ideal geometry (proteins)	:	Engh & Huber (2001)
Ideal geometry (DNA, RNA)	:	Parkinson et al. (1996)
Validation Pipeline (wwPDB-VP)	:	2.39

1 Overall quality at a glance (i)

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

The reported resolution of this entry is 3.30 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}	164625	1085 (3.32-3.28)
Clashscore	180529	1128 (3.32-3.28)
Ramachandran outliers	177936	1125 (3.32-3.28)
Sidechain outliers	177891	1124 (3.32-3.28)
RSRZ outliers	164620	1085 (3.32-3.28)
RNA backbone	3690	1014 (3.64-2.96)

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	2912	28% 49% 21% .
1	DA	2912	% 27% 50% 21% .
2	AB	122	24% 55% 19% .
2	DB	122	% 23% 55% 21% .

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Mol	Chain	Length	Quality of chain
3	AD	276	3% 34% 45% 16%
3	DD	276	2% 38% 44% 14%
4	AE	206	4% 29% 46% 24%
4	DE	206	5% 27% 42% 26% 5%
5	AF	210	2% 28% 50% 17%
5	DF	210	5% 23% 51% 22%
6	AG	182	3% 29% 53% 17%
6	DG	182	7% 27% 53% 16%
7	AH	180	% 24% 44% 20% 6% 6%
7	DH	180	11% 29% 45% 18% 6%
8	AK	148	2% 28% 44% 24%
8	DK	148	14% 36% 41% 20%
9	AM	140	4% 29% 41% 26%
9	DM	140	% 29% 41% 26%
10	AN	122	% 52% 35% 12%
10	DN	122	% 42% 48% 10%
11	AO	150	5% 22% 47% 25% 6%
11	DO	150	15% 19% 39% 34% 8%
12	AP	141	20% 32% 45% 19%
12	DP	141	21% 26% 46% 24%
13	A0	118	3% 20% 61% 16%
13	D0	118	% 31% 47% 19%
14	AQ	112	2% 26% 49% 23%
14	DQ	112	4% 21% 52% 22%
15	AR	146	% 34% 41% 17% 6%

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Mol	Chain	Length	Quality of chain
15	DR	146	8% 28% 45% 21% 6%
16	A1	118	2% 33% 44% 19%
16	D1	118	% 29% 53% 16%
17	A2	101	4% 33% 46% 18%
17	D2	101	11% 27% 39% 26% 9%
18	AS	113	28% 57% 15%
18	DS	113	4% 39% 42% 19%
19	AT	96	43% 36% 16%
19	DT	96	5% 31% 45% 19%
20	AU	110	4% 33% 37% 20% 7%
20	DU	110	25% 21% 32% 36% 7%
21	AV	206	11% 21% 44% 17% 15%
21	DV	206	4% 21% 39% 26% 13%
22	A3	85	31% 40% 19% 11%
22	D3	85	6% 27% 53% 11% 9%
23	AZ	98	7% 43% 40% 15%
23	DZ	98	7% 43% 39% 17%
24	AW	72	4% 36% 36% 14% 6% 8%
24	DW	72	3% 24% 49% 17% 8%
25	AX	60	35% 52% 10%
25	DX	60	2% 28% 55% 15%
26	A4	71	3% 18% 45% 27% 7%
26	D4	71	% 13% 41% 30% 6% 11%
27	A5	60	7% 30% 43% 20% 5%
27	D5	60	8% 37% 48% 13%

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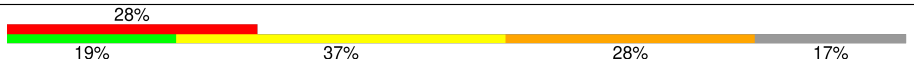
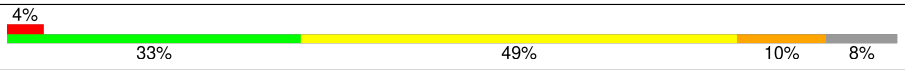
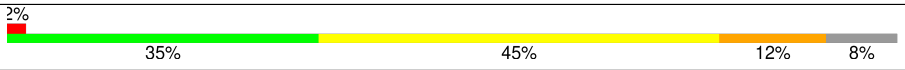
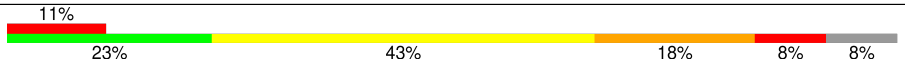
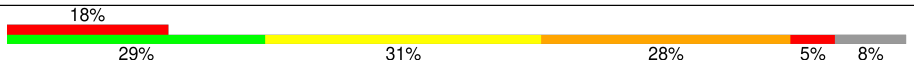
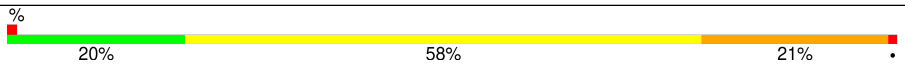
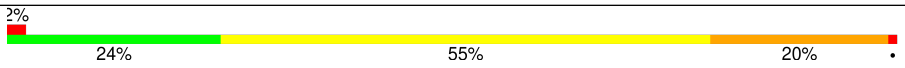
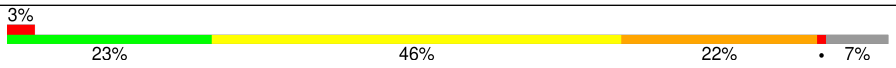
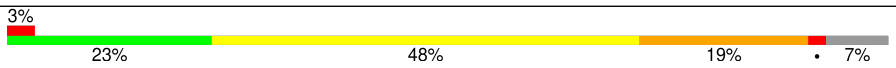
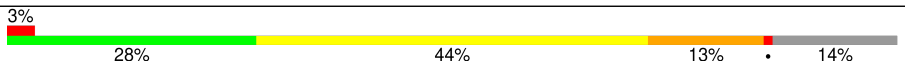
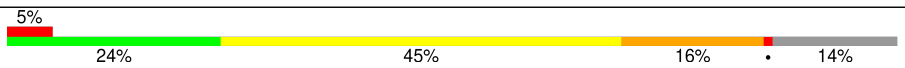
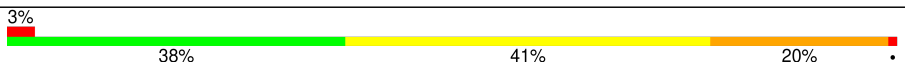
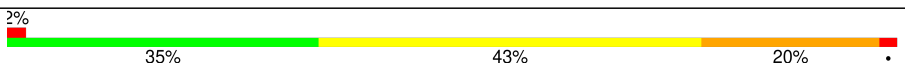
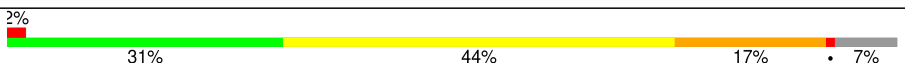
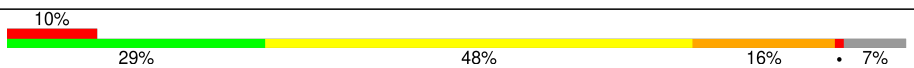
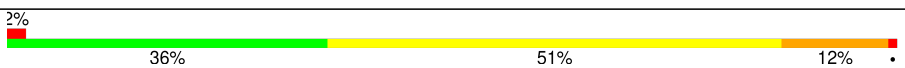
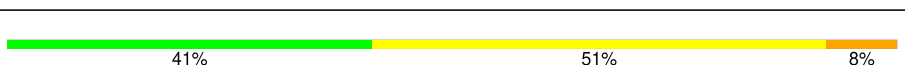
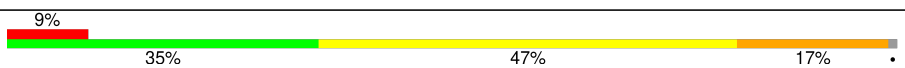
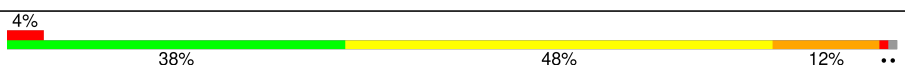
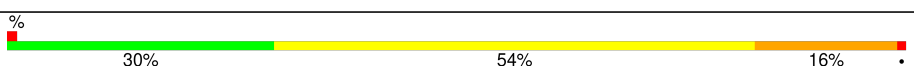
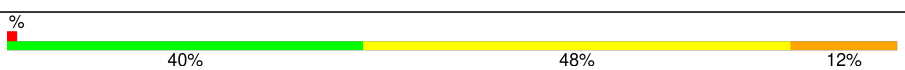
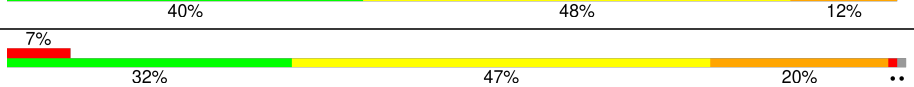
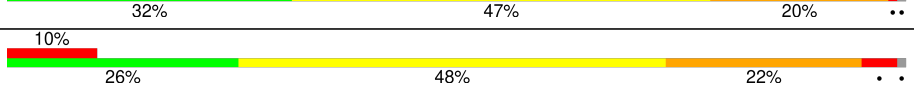
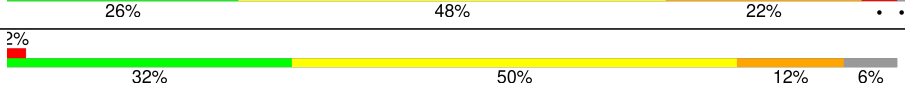
Mol	Chain	Length	Quality of chain
28	A6	54	
28	D6	54	
29	A7	49	
29	D7	49	
30	A8	65	
30	D8	65	
31	BA	1506	
31	CA	1506	
32	BE	256	
32	CE	256	
33	BF	239	
33	CF	239	
34	BG	208	
34	CG	208	
35	BH	162	
35	CH	162	
36	BI	101	
36	CI	101	
37	BJ	156	
37	CJ	156	
38	BK	138	
38	CK	138	
39	BL	128	
39	CL	128	
40	BM	105	

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Mol	Chain	Length	Quality of chain
40	CM	105	6% 22% 55% 17% 6%
41	BN	129	4% 37% 41% 14% 8%
41	CN	129	2% 43% 42% 8% 8%
42	BO	132	3% 39% 42% 13% 5%
42	CO	132	5% 30% 45% 19% 5%
43	BP	126	% 29% 42% 20% 8%
43	CP	126	4% 13% 58% 20% 7%
44	BQ	61	5% 21% 48% 18% 8% 5%
44	CQ	61	3% 20% 51% 18% 7% 5%
45	BR	89	% 48% 37% 13%
45	CR	89	42% 43% 13%
46	BS	88	2% 24% 56% 13% 5%
46	CS	88	2% 41% 44% 10% 5%
47	BT	105	5% 31% 48% 14% 5%
47	CT	105	9% 41% 46% 6% 5%
48	BU	88	% 26% 41% 14% 18%
48	CU	88	3% 44% 30% 7% 18%
49	BV	93	% 27% 39% 15% 16%
49	CV	93	5% 24% 39% 18% 16%
50	BW	106	6% 20% 58% 14% 7%
50	CW	106	3% 26% 47% 19% 7%
51	BX	27	4% 37% 52% 7%
51	CX	27	4% 26% 56% 7% 7%
52	BB	85	5% 13% 39% 47%
52	BD	85	4% 14% 45% 40%

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Mol	Chain	Length	Quality of chain
52	CB	85	9% 6% 33% 58%
52	CD	85	4% 7% 53% 38%
53	BC	77	40% 40% 19%
53	CC	77	% 34% 43% 23%
54	B1	16	31% 25% 38% 38%
54	C1	16	31% 12% 38% 50%

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
55	MG	AA	3181	-	-	-	X
55	MG	AA	3236	-	-	-	X
55	MG	CA	1616	-	-	-	X
55	MG	CA	1641	-	-	-	X
55	MG	CA	1661	-	-	-	X
55	MG	CA	1674	-	-	-	X
55	MG	DA	3048	-	-	-	X
55	MG	DA	3153	-	-	-	X
55	MG	DA	3158	-	-	-	X
55	MG	DA	3199	-	-	-	X
55	MG	DA	3200	-	-	-	X
55	MG	DA	3270	-	-	-	X
56	OHX	AA	3330	-	-	X	-
56	OHX	AA	3365	-	-	X	-
56	OHX	AA	3504	-	-	X	-
56	OHX	AA	3547	-	-	X	-
56	OHX	BA	1785	-	-	X	-
56	OHX	BA	1802	-	-	X	-
56	OHX	CA	1762	-	-	X	-
56	OHX	CA	1798	-	-	X	-
56	OHX	CC	108	-	-	X	-
56	OHX	D8	101	-	-	X	-

2 Entry composition (i)

There are 58 unique types of molecules in this entry. The entry contains 304031 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 RNA (2912-MER).

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
1	AA	2912	Total	C	N	O	P	0	0	0
			62707	27911	11722	20163	2911			
1	DA	2907	Total	C	N	O	P	0	0	0
			62607	27866	11712	20123	2906			

There are 14 discrepancies between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
AA	161	U	-	insertion	GB AP008226.1
AA	654A	A	G	conflict	GB AP008226.1
AA	654E	C	G	conflict	GB AP008226.1
AA	654P	G	C	conflict	GB AP008226.1
AA	654T	A	C	conflict	GB AP008226.1
AA	1058	U	G	conflict	GB AP008226.1
AA	1080	A	C	conflict	GB AP008226.1
DA	168	U	-	insertion	GB AP008226.1
DA	654A	A	G	conflict	GB AP008226.1
DA	654E	C	G	conflict	GB AP008226.1
DA	654P	G	C	conflict	GB AP008226.1
DA	654T	A	C	conflict	GB AP008226.1
DA	1058	U	G	conflict	GB AP008226.1
DA	1080	A	C	conflict	GB AP008226.1

- Molecule 2 is a RNA chain called 5S RIBOSOMAL RNA.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
2	AB	122	Total	C	N	O	P	0	0	0
			2617	1166	486	844	121			
2	DB	122	Total	C	N	O	P	0	0	0
			2617	1166	486	844	121			

- Molecule 3 is a protein called 50S ribosomal protein L2.

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

- Molecule 4 is a protein called 50S ribosomal protein L3.

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

- Molecule 5 is a protein called 50S ribosomal protein L4.

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

- Molecule 6 is a protein called 50S ribosomal protein L5.

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

- Molecule 7 is a protein called 50S ribosomal protein L6.

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

- Molecule 8 is a protein called 50S ribosomal protein L9.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
8	AK	146	Total	C	N	O	S	0	0	0
			1136	726	201	208	1			

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

- Molecule 9 is a protein called 50S ribosomal protein L13.

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

- Molecule 10 is a protein called 50S ribosomal protein L14.

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

- Molecule 11 is a protein called 50S ribosomal protein L15.

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

- Molecule 12 is a protein called 50S ribosomal protein L16.

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

- Molecule 13 is a protein called 50S ribosomal protein L17.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
13	A0	118	Total	C	N	O	S	0	0	0
			968	604	203	160	1			
13	D0	117	Total	C	N	O		0	0	0
			960	599	202	159				

- Molecule 14 is a protein called 50S ribosomal protein L18.

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

- Molecule 15 is a protein called 50S ribosomal protein L19.

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

- Molecule 16 is a protein called 50S ribosomal protein L20.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
16	A1	117	Total	C	N	O	S	0	0	0
			964	610	202	151	1			
16	D1	117	Total	C	N	O	S	0	0	0
			964	610	202	151	1			

- Molecule 17 is a protein called 50S ribosomal protein L21.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
17	A2	101	Total	C	N	O	S	0	0	0
			779	501	142	135	1			
17	D2	101	Total	C	N	O	S	0	0	0
			779	501	142	135	1			

- Molecule 18 is a protein called 50S ribosomal protein L22.

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

- Molecule 19 is a protein called 50S ribosomal protein L23.

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

- Molecule 20 is a protein called 50S ribosomal protein L24.

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

- Molecule 21 is a protein called 50S ribosomal protein L25.

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

- Molecule 22 is a protein called 50S ribosomal protein L27.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
22	A3	76	Total 607	C 376	N 128	O 102	S 1	0	0	0
22	D3	77	Total 613	C 379	N 129	O 104	S 1	0	0	0

- Molecule 23 is a protein called 50S ribosomal protein L28.

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

- Molecule 24 is a protein called 50S ribosomal protein L29.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
24	AW	66	Total 558	C 346	N 113	O 98	S 1	0	0	0

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
24	DW	66	Total	C	N	O	S	0	0	0
			558	346	113	98	1			

- Molecule 25 is a protein called 50S ribosomal protein L30.

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

- Molecule 26 is a protein called 50S ribosomal protein L31.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
26	A4	66	Total	C	N	O	S	0	0	0
			533	335	96	97	5			
26	D4	63	Total	C	N	O	S	0	0	0
			515	326	93	91	5			

- Molecule 27 is a protein called 50S ribosomal protein L32.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
27	A5	59	Total	C	N	O	S	0	0	0
			459	288	90	76	5			
27	D5	59	Total	C	N	O	S	0	0	0
			459	288	90	76	5			

- Molecule 28 is a protein called 50S ribosomal protein L33.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
28	A6	45	Total	C	N	O	S	0	0	0
			389	241	79	65	4			
28	D6	45	Total	C	N	O	S	0	0	0
			389	241	79	65	4			

- Molecule 29 is a protein called 50S ribosomal protein L34.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
29	A7	45	Total	C	N	O	S	0	0	0
			391	240	97	52	2			
29	D7	45	Total	C	N	O	S	0	0	0
			391	240	97	52	2			

- Molecule 30 is a protein called 50S ribosomal protein L35.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
30	A8	60	Total	C	N	O	S	0	0	0
			480	306	98	74	2			
30	D8	60	Total	C	N	O	S	0	0	0
			480	306	98	74	2			

- Molecule 31 is a RNA chain called 16S ribosomal RNA.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
31	BA	1502	Total	C	N	O	P	0	0	0
			32284	14370	5982	10431	1501			
31	CA	1502	Total	C	N	O	P	0	0	0
			32287	14370	5982	10433	1502			

- Molecule 32 is a protein called 30S RIBOSOMAL PROTEIN S2.

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

- Molecule 33 is a protein called 30S RIBOSOMAL PROTEIN S3.

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

- Molecule 34 is a protein called 30S RIBOSOMAL PROTEIN S4.

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

- Molecule 35 is a protein called 30S RIBOSOMAL PROTEIN S5.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
35	BH	151	Total	C	N	O	S	0	0	0
			1155	729	218	204	4			
35	CH	151	Total	C	N	O	S	0	0	0
			1155	729	218	204	4			

- Molecule 36 is a protein called 30S RIBOSOMAL PROTEIN S6.

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

- Molecule 37 is a protein called 30S RIBOSOMAL PROTEIN S7.

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

- Molecule 38 is a protein called 30S RIBOSOMAL PROTEIN S8.

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

- Molecule 39 is a protein called 30S RIBOSOMAL PROTEIN S9.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
39	BL	127	Total	C	N	O	0	0	0
			1010	639	197	174			
39	CL	127	Total	C	N	O	0	0	0
			1010	639	197	174			

- Molecule 40 is a protein called 30S RIBOSOMAL PROTEIN S10.

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

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

- Molecule 41 is a protein called 30S RIBOSOMAL PROTEIN S11.

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

- Molecule 42 is a protein called 30S RIBOSOMAL PROTEIN S12.

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

- Molecule 43 is a protein called 30S RIBOSOMAL PROTEIN S13.

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

- Molecule 44 is a protein called 30S RIBOSOMAL PROTEIN S14.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
44	BQ	58	Total	C	N	O	S	0	0	0
			476	303	99	70	4			
44	CQ	58	Total	C	N	O	S	0	0	0
			476	303	99	70	4			

- Molecule 45 is a protein called 30S RIBOSOMAL PROTEIN S15.

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

- Molecule 46 is a protein called 30S RIBOSOMAL PROTEIN S16.

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

- Molecule 47 is a protein called 30S RIBOSOMAL PROTEIN S17.

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

- Molecule 48 is a protein called 30S RIBOSOMAL PROTEIN S18.

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

- Molecule 49 is a protein called 30S RIBOSOMAL PROTEIN S19.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
49	BV	78	Total	C	N	O	S	0	0	0
			624	398	115	109	2			
49	CV	78	Total	C	N	O	S	0	0	0
			624	398	115	109	2			

- Molecule 50 is a protein called 30S RIBOSOMAL PROTEIN S20.

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

- Molecule 51 is a protein called 30S RIBOSOMAL PROTEIN THX.

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

- Molecule 52 is a RNA chain called TRNA-TYR.

Mol	Chain	Residues	Atoms						ZeroOcc	AltConf	Trace
52	BB	85	Total 1814	C 813	N 323	O 592	P 85	S 1	0	0	0
52	BD	85	Total 1814	C 813	N 323	O 592	P 85	S 1	0	0	0
52	CB	85	Total 1814	C 813	N 323	O 592	P 85	S 1	0	0	0
52	CD	85	Total 1814	C 813	N 323	O 592	P 85	S 1	0	0	0

- Molecule 53 is a RNA chain called TRNA-FMET.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
53	BC	77	Total 1643	C 732	N 298	O 536	P 77	0	0	0
53	CC	77	Total 1643	C 732	N 298	O 536	P 77	0	0	0

- Molecule 54 is a RNA chain called MRNA.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
54	B1	16	Total 347	C 156	N 69	O 106	P 16	0	0	0
54	C1	16	Total 347	C 156	N 69	O 106	P 16	0	0	0

- Molecule 55 is MAGNESIUM ION (three-letter code: MG) (formula: Mg).

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
55	AA	332	Total 332	Mg 332	0	0
55	AB	6	Total 6	Mg 6	0	0
55	AE	3	Total 3	Mg 3	0	0

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Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
55	AF	2	Total Mg 2 2	0	0
55	AO	1	Total Mg 1 1	0	0
55	A0	1	Total Mg 1 1	0	0
55	A1	2	Total Mg 2 2	0	0
55	A3	1	Total Mg 1 1	0	0
55	A5	1	Total Mg 1 1	0	0
55	A7	1	Total Mg 1 1	0	0
55	BA	114	Total Mg 114 114	0	0
55	BF	1	Total Mg 1 1	0	0
55	BS	1	Total Mg 1 1	0	0
55	BW	1	Total Mg 1 1	0	0
55	BB	13	Total Mg 13 13	0	0
55	BC	4	Total Mg 4 4	0	0
55	BD	1	Total Mg 1 1	0	0
55	B1	1	Total Mg 1 1	0	0
55	CA	121	Total Mg 121 121	0	0
55	CN	1	Total Mg 1 1	0	0
55	CB	3	Total Mg 3 3	0	0
55	CC	7	Total Mg 7 7	0	0
55	C1	2	Total Mg 2 2	0	0
55	DA	272	Total Mg 272 272	0	0

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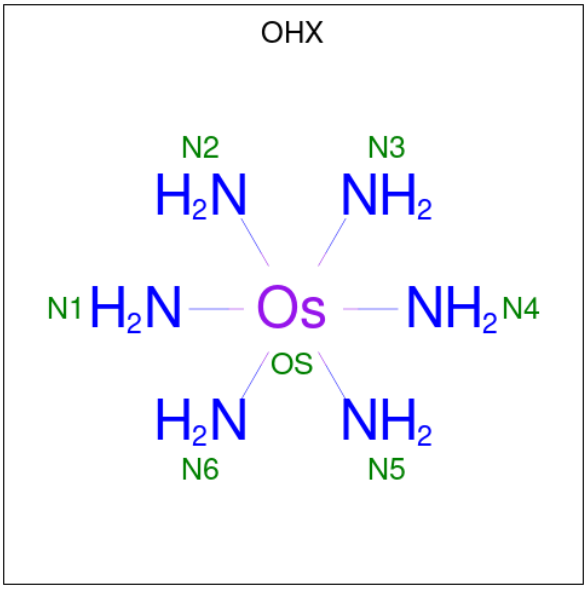
Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
55	DB	7	Total Mg 7 7	0	0
55	DE	1	Total Mg 1 1	0	0
55	D0	1	Total Mg 1 1	0	0
55	D5	1	Total Mg 1 1	0	0
55	D7	1	Total Mg 1 1	0	0

- Molecule 56 is osmium (III) hexammine (three-letter code: OHX) (formula: $H_{12}N_6Os$).



Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
56	AA	1	Total N Os 7 6 1	0	0
56	AA	1	Total N Os 7 6 1	0	0
56	AA	1	Total N Os 7 6 1	0	0
56	AA	1	Total N Os 7 6 1	0	0
56	AA	1	Total N Os 7 6 1	0	0
56	AA	1	Total N Os 7 6 1	0	0

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		
56	AA	1	Total	N	Os	0	0
			7	6	1		

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Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
56	AB	1	Total N Os 7 6 1	0	0
56	AB	1	Total N Os 7 6 1	0	0
56	AB	1	Total N Os 7 6 1	0	0
56	AB	1	Total N Os 7 6 1	0	0
56	AB	1	Total N Os 7 6 1	0	0
56	AB	1	Total N Os 7 6 1	0	0
56	AB	1	Total N Os 7 6 1	0	0
56	AB	1	Total N Os 7 6 1	0	0
56	AB	1	Total N Os 7 6 1	0	0
56	AB	1	Total N Os 7 6 1	0	0
56	AB	1	Total N Os 7 6 1	0	0
56	AB	1	Total N Os 7 6 1	0	0
56	AB	1	Total N Os 7 6 1	0	0
56	AE	1	Total N Os 7 6 1	0	0
56	AF	1	Total N Os 7 6 1	0	0
56	AO	1	Total N Os 7 6 1	0	0
56	AO	1	Total N Os 7 6 1	0	0
56	A1	1	Total N Os 7 6 1	0	0
56	A1	1	Total N Os 7 6 1	0	0
56	A3	1	Total N Os 7 6 1	0	0
56	AW	1	Total N Os 7 6 1	0	0

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
56	A6	1	Total 7	N 6	Os 1	0	0
56	BA	1	Total 7	N 6	Os 1	0	0
56	BA	1	Total 7	N 6	Os 1	0	0
56	BA	1	Total 7	N 6	Os 1	0	0
56	BA	1	Total 7	N 6	Os 1	0	0
56	BA	1	Total 7	N 6	Os 1	0	0
56	BA	1	Total 7	N 6	Os 1	0	0
56	BA	1	Total 7	N 6	Os 1	0	0
56	BA	1	Total 7	N 6	Os 1	0	0
56	BA	1	Total 7	N 6	Os 1	0	0
56	BA	1	Total 7	N 6	Os 1	0	0
56	BA	1	Total 7	N 6	Os 1	0	0
56	BA	1	Total 7	N 6	Os 1	0	0
56	BA	1	Total 7	N 6	Os 1	0	0
56	BA	1	Total 7	N 6	Os 1	0	0
56	BA	1	Total 7	N 6	Os 1	0	0
56	BA	1	Total 7	N 6	Os 1	0	0
56	BA	1	Total 7	N 6	Os 1	0	0
56	BA	1	Total 7	N 6	Os 1	0	0
56	BA	1	Total 7	N 6	Os 1	0	0

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
56	BA	1	Total	N	Os	0	0
			7	6	1		
56	BA	1	Total	N	Os	0	0
			7	6	1		
56	BA	1	Total	N	Os	0	0
			7	6	1		
56	BA	1	Total	N	Os	0	0
			7	6	1		
56	BA	1	Total	N	Os	0	0
			7	6	1		
56	BA	1	Total	N	Os	0	0
			7	6	1		
56	BA	1	Total	N	Os	0	0
			7	6	1		
56	BA	1	Total	N	Os	0	0
			7	6	1		
56	BA	1	Total	N	Os	0	0
			7	6	1		
56	BA	1	Total	N	Os	0	0
			7	6	1		
56	BA	1	Total	N	Os	0	0
			7	6	1		
56	BA	1	Total	N	Os	0	0
			7	6	1		
56	BA	1	Total	N	Os	0	0
			7	6	1		
56	BA	1	Total	N	Os	0	0
			7	6	1		
56	BA	1	Total	N	Os	0	0
			7	6	1		
56	BA	1	Total	N	Os	0	0
			7	6	1		
56	BA	1	Total	N	Os	0	0
			7	6	1		
56	BA	1	Total	N	Os	0	0
			7	6	1		
56	BA	1	Total	N	Os	0	0
			7	6	1		
56	BA	1	Total	N	Os	0	0
			7	6	1		

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
56	BA	1	Total	N	Os	0	0
			7	6	1		
56	BA	1	Total	N	Os	0	0
			7	6	1		
56	BA	1	Total	N	Os	0	0
			7	6	1		
56	BA	1	Total	N	Os	0	0
			7	6	1		
56	BA	1	Total	N	Os	0	0
			7	6	1		
56	BA	1	Total	N	Os	0	0
			7	6	1		
56	BA	1	Total	N	Os	0	0
			7	6	1		
56	BA	1	Total	N	Os	0	0
			7	6	1		
56	BA	1	Total	N	Os	0	0
			7	6	1		
56	BA	1	Total	N	Os	0	0
			7	6	1		
56	BA	1	Total	N	Os	0	0
			7	6	1		
56	BA	1	Total	N	Os	0	0
			7	6	1		
56	BA	1	Total	N	Os	0	0
			7	6	1		
56	BA	1	Total	N	Os	0	0
			7	6	1		
56	BA	1	Total	N	Os	0	0
			7	6	1		
56	BA	1	Total	N	Os	0	0
			7	6	1		
56	BA	1	Total	N	Os	0	0
			7	6	1		
56	BA	1	Total	N	Os	0	0
			7	6	1		
56	BA	1	Total	N	Os	0	0
			7	6	1		

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
56	BA	1	Total	N	Os	0	0
			7	6	1		
56	BA	1	Total	N	Os	0	0
			7	6	1		
56	BA	1	Total	N	Os	0	0
			7	6	1		
56	BA	1	Total	N	Os	0	0
			7	6	1		
56	BA	1	Total	N	Os	0	0
			7	6	1		
56	BA	1	Total	N	Os	0	0
			7	6	1		
56	BA	1	Total	N	Os	0	0
			7	6	1		
56	BA	1	Total	N	Os	0	0
			7	6	1		
56	BA	1	Total	N	Os	0	0
			7	6	1		
56	BA	1	Total	N	Os	0	0
			7	6	1		
56	BA	1	Total	N	Os	0	0
			7	6	1		
56	BA	1	Total	N	Os	0	0
			7	6	1		
56	BA	1	Total	N	Os	0	0
			7	6	1		
56	BA	1	Total	N	Os	0	0
			7	6	1		
56	BA	1	Total	N	Os	0	0
			7	6	1		
56	BA	1	Total	N	Os	0	0
			7	6	1		
56	BA	1	Total	N	Os	0	0
			7	6	1		
56	BA	1	Total	N	Os	0	0
			7	6	1		
56	BA	1	Total	N	Os	0	0
			7	6	1		

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Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
56	BA	1	Total N Os 7 6 1	0	0
56	BA	1	Total N Os 7 6 1	0	0
56	BA	1	Total N Os 7 6 1	0	0
56	BA	1	Total N Os 7 6 1	0	0
56	BA	1	Total N Os 7 6 1	0	0
56	BA	1	Total N Os 7 6 1	0	0
56	BA	1	Total N Os 7 6 1	0	0
56	BA	1	Total N Os 7 6 1	0	0
56	BA	1	Total N Os 7 6 1	0	0
56	BA	1	Total N Os 7 6 1	0	0
56	BA	1	Total N Os 7 6 1	0	0
56	BA	1	Total N Os 7 6 1	0	0
56	BA	1	Total N Os 7 6 1	0	0
56	BA	1	Total N Os 7 6 1	0	0
56	BA	1	Total N Os 7 6 1	0	0
56	BA	1	Total N Os 7 6 1	0	0
56	BG	1	Total N Os 7 6 1	0	0
56	BL	1	Total N Os 7 6 1	0	0
56	BR	1	Total N Os 7 6 1	0	0
56	BB	1	Total N Os 7 6 1	0	0
56	BB	1	Total N Os 7 6 1	0	0

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Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
56	BC	1	Total N Os 7 6 1	0	0
56	BC	1	Total N Os 7 6 1	0	0
56	BC	1	Total N Os 7 6 1	0	0
56	BD	1	Total N Os 7 6 1	0	0
56	BD	1	Total N Os 7 6 1	0	0
56	BD	1	Total N Os 7 6 1	1	0
56	CA	1	Total N Os 7 6 1	0	0
56	CA	1	Total N Os 7 6 1	0	0
56	CA	1	Total N Os 7 6 1	0	0
56	CA	1	Total N Os 7 6 1	0	0
56	CA	1	Total N Os 7 6 1	0	0
56	CA	1	Total N Os 7 6 1	0	0
56	CA	1	Total N Os 7 6 1	0	0
56	CA	1	Total N Os 7 6 1	0	0
56	CA	1	Total N Os 7 6 1	0	0
56	CA	1	Total N Os 7 6 1	0	0
56	CA	1	Total N Os 7 6 1	0	0
56	CA	1	Total N Os 7 6 1	0	0
56	CA	1	Total N Os 7 6 1	0	0
56	CA	1	Total N Os 7 6 1	0	0
56	CA	1	Total N Os 7 6 1	0	0

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
56	CA	1	Total	N	Os	0	0
			7	6	1		
56	CA	1	Total	N	Os	0	0
			7	6	1		
56	CA	1	Total	N	Os	0	0
			7	6	1		
56	CA	1	Total	N	Os	0	0
			7	6	1		
56	CA	1	Total	N	Os	0	0
			7	6	1		
56	CA	1	Total	N	Os	0	0
			7	6	1		
56	CA	1	Total	N	Os	0	0
			7	6	1		
56	CA	1	Total	N	Os	0	0
			7	6	1		
56	CA	1	Total	N	Os	0	0
			7	6	1		
56	CA	1	Total	N	Os	0	0
			7	6	1		
56	CA	1	Total	N	Os	0	0
			7	6	1		
56	CA	1	Total	N	Os	0	0
			7	6	1		
56	CA	1	Total	N	Os	0	0
			7	6	1		
56	CA	1	Total	N	Os	0	0
			7	6	1		
56	CA	1	Total	N	Os	0	0
			7	6	1		
56	CA	1	Total	N	Os	0	0
			7	6	1		
56	CA	1	Total	N	Os	0	0
			7	6	1		
56	CA	1	Total	N	Os	0	0
			7	6	1		
56	CA	1	Total	N	Os	0	0
			7	6	1		
56	CA	1	Total	N	Os	0	0
			7	6	1		

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
56	CA	1	Total	N	Os	0	0
			7	6	1		
56	CA	1	Total	N	Os	0	0
			7	6	1		
56	CA	1	Total	N	Os	0	0
			7	6	1		
56	CA	1	Total	N	Os	0	0
			7	6	1		
56	CA	1	Total	N	Os	0	0
			7	6	1		
56	CA	1	Total	N	Os	0	0
			7	6	1		
56	CA	1	Total	N	Os	0	0
			7	6	1		
56	CA	1	Total	N	Os	0	0
			7	6	1		
56	CA	1	Total	N	Os	0	0
			7	6	1		
56	CA	1	Total	N	Os	0	0
			7	6	1		
56	CA	1	Total	N	Os	0	0
			7	6	1		
56	CA	1	Total	N	Os	0	0
			7	6	1		
56	CA	1	Total	N	Os	0	0
			7	6	1		
56	CA	1	Total	N	Os	0	0
			7	6	1		
56	CA	1	Total	N	Os	0	0
			7	6	1		
56	CA	1	Total	N	Os	0	0
			7	6	1		
56	CA	1	Total	N	Os	0	0
			7	6	1		
56	CA	1	Total	N	Os	0	0
			7	6	1		
56	CA	1	Total	N	Os	0	0
			7	6	1		
56	CA	1	Total	N	Os	0	0
			7	6	1		

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
56	CA	1	Total	N	Os	0	0
			7	6	1		
56	CA	1	Total	N	Os	0	0
			7	6	1		
56	CA	1	Total	N	Os	0	0
			7	6	1		
56	CA	1	Total	N	Os	0	0
			7	6	1		
56	CA	1	Total	N	Os	0	0
			7	6	1		
56	CA	1	Total	N	Os	0	0
			7	6	1		
56	CA	1	Total	N	Os	0	0
			7	6	1		
56	CA	1	Total	N	Os	0	0
			7	6	1		
56	CA	1	Total	N	Os	0	0
			7	6	1		
56	CA	1	Total	N	Os	0	0
			7	6	1		
56	CA	1	Total	N	Os	0	0
			7	6	1		
56	CA	1	Total	N	Os	0	0
			7	6	1		
56	CA	1	Total	N	Os	0	0
			7	6	1		
56	CA	1	Total	N	Os	0	0
			7	6	1		
56	CA	1	Total	N	Os	0	0
			7	6	1		
56	CA	1	Total	N	Os	0	0
			7	6	1		
56	CA	1	Total	N	Os	0	0
			7	6	1		
56	CA	1	Total	N	Os	0	0
			7	6	1		
56	CA	1	Total	N	Os	0	0
			7	6	1		
56	CA	1	Total	N	Os	0	0
			7	6	1		

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Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
56	CA	1	Total N Os 7 6 1	0	0
56	CA	1	Total N Os 7 6 1	0	0
56	CA	1	Total N Os 7 6 1	0	0
56	CA	1	Total N Os 7 6 1	0	0
56	CA	1	Total N Os 7 6 1	0	0
56	CA	1	Total N Os 7 6 1	0	0
56	CA	1	Total N Os 7 6 1	0	0
56	CA	1	Total N Os 7 6 1	0	0
56	CA	1	Total N Os 7 6 1	0	0
56	CA	1	Total N Os 7 6 1	0	0
56	CA	1	Total N Os 7 6 1	0	0
56	CA	1	Total N Os 7 6 1	0	0
56	CA	1	Total N Os 7 6 1	0	0
56	CA	1	Total N Os 7 6 1	0	0
56	CA	1	Total N Os 7 6 1	0	0
56	CK	1	Total N Os 7 6 1	0	0
56	CR	1	Total N Os 7 6 1	0	0
56	CV	1	Total N Os 7 6 1	0	0
56	CB	1	Total N Os 7 6 1	0	0
56	CB	1	Total N Os 7 6 1	0	0
56	CB	1	Total N Os 7 6 1	0	0

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Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
56	CC	1	Total N Os 7 6 1	0	0
56	CC	1	Total N Os 7 6 1	0	0
56	CC	1	Total N Os 7 6 1	0	0
56	CD	1	Total N Os 7 6 1	0	0
56	DA	1	Total N Os 7 6 1	0	0
56	DA	1	Total N Os 7 6 1	0	0
56	DA	1	Total N Os 7 6 1	0	0
56	DA	1	Total N Os 7 6 1	0	0
56	DA	1	Total N Os 7 6 1	0	0
56	DA	1	Total N Os 7 6 1	0	0
56	DA	1	Total N Os 7 6 1	0	0
56	DA	1	Total N Os 7 6 1	0	0
56	DA	1	Total N Os 7 6 1	0	0
56	DA	1	Total N Os 7 6 1	0	0
56	DA	1	Total N Os 7 6 1	0	0
56	DA	1	Total N Os 7 6 1	0	0
56	DA	1	Total N Os 7 6 1	0	0
56	DA	1	Total N Os 7 6 1	0	0
56	DA	1	Total N Os 7 6 1	0	0
56	DA	1	Total N Os 7 6 1	0	0
56	DA	1	Total N Os 7 6 1	0	0

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		
56	DA	1	Total	N	Os	0	0
			7	6	1		

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Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
56	DA	1	Total N Os 7 6 1	0	0
56	DA	1	Total N Os 7 6 1	0	0
56	DA	1	Total N Os 7 6 1	0	0
56	DA	1	Total N Os 7 6 1	0	0
56	DA	1	Total N Os 7 6 1	0	0
56	DA	1	Total N Os 7 6 1	0	0
56	DA	1	Total N Os 7 6 1	0	0
56	DA	1	Total N Os 7 6 1	0	0
56	DA	1	Total N Os 7 6 1	0	0
56	DA	1	Total N Os 7 6 1	0	0
56	DA	1	Total N Os 7 6 1	0	0
56	DA	1	Total N Os 7 6 1	0	0
56	DA	1	Total N Os 7 6 1	0	0
56	DB	1	Total N Os 7 6 1	0	0
56	DB	1	Total N Os 7 6 1	0	0
56	DB	1	Total N Os 7 6 1	0	0
56	DB	1	Total N Os 7 6 1	0	0
56	DB	1	Total N Os 7 6 1	0	0
56	DB	1	Total N Os 7 6 1	0	0
56	DB	1	Total N Os 7 6 1	0	0
56	DB	1	Total N Os 7 6 1	0	0

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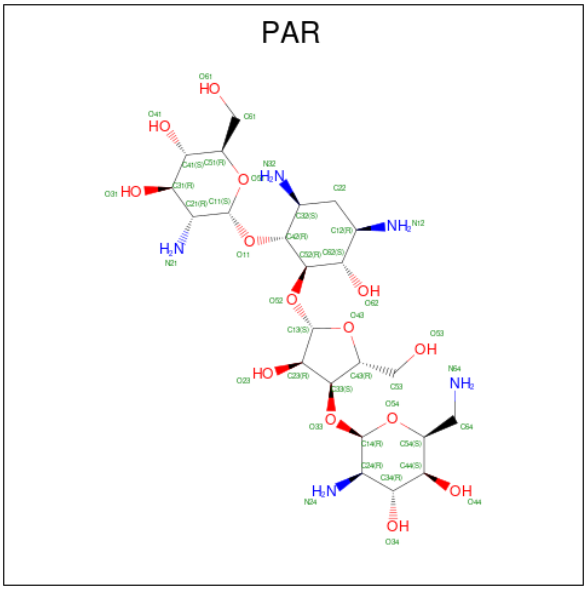
Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
56	DB	1	Total N Os 7 6 1	0	0
56	DB	1	Total N Os 7 6 1	0	0
56	DB	1	Total N Os 7 6 1	0	0
56	DB	1	Total N Os 7 6 1	0	0
56	DB	1	Total N Os 7 6 1	0	0
56	DF	1	Total N Os 7 6 1	0	0
56	DO	1	Total N Os 7 6 1	0	0
56	D1	1	Total N Os 7 6 1	0	0
56	D3	1	Total N Os 7 6 1	0	0
56	D5	1	Total N Os 7 6 1	0	0
56	D8	1	Total N Os 7 6 1	0	0

- Molecule 57 is PAROMOMYCIN (three-letter code: PAR) (formula: $C_{23}H_{45}N_5O_{14}$).



Mol	Chain	Residues	Atoms				ZeroOcc	AltConf
57	BA	1	Total	C	N	O	0	0
			42	23	5	14		
57	CA	1	Total	C	N	O	0	0
			42	23	5	14		

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

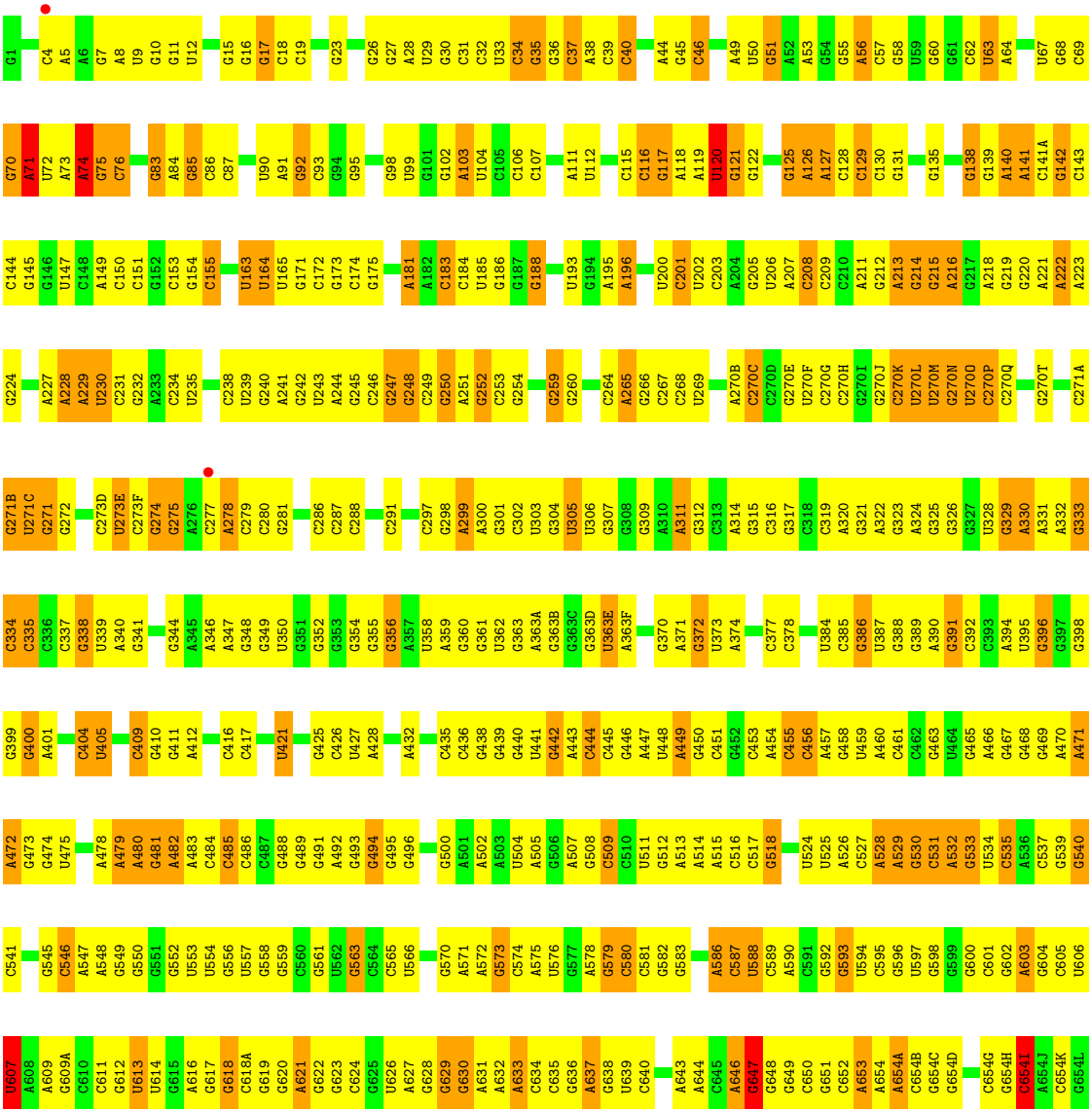
Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
58	BG	1	Total	Zn	0	0
			1	1		
58	BQ	1	Total	Zn	0	0
			1	1		
58	CG	1	Total	Zn	0	0
			1	1		
58	CQ	1	Total	Zn	0	0
			1	1		

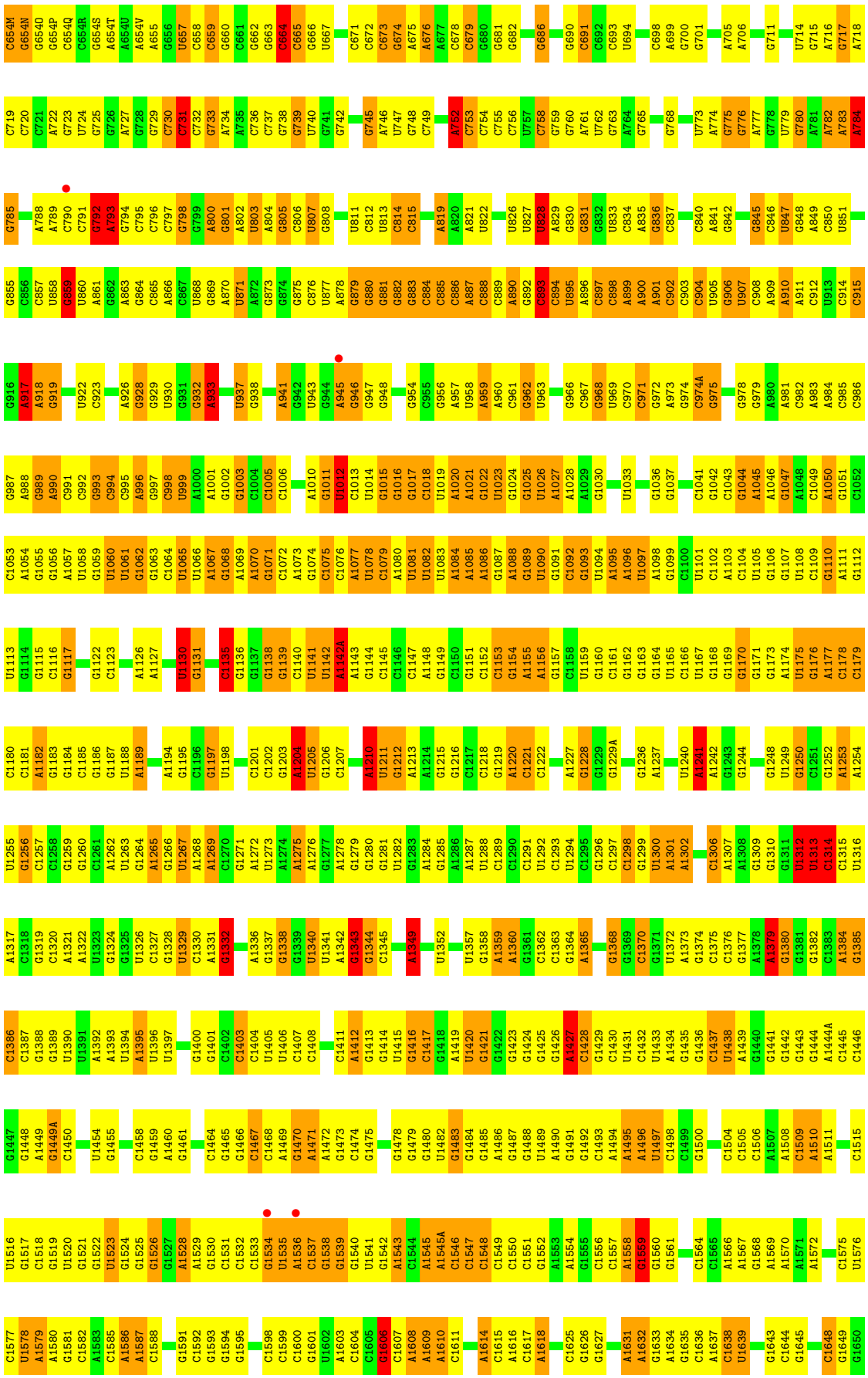
3 Residue-property plots (i)

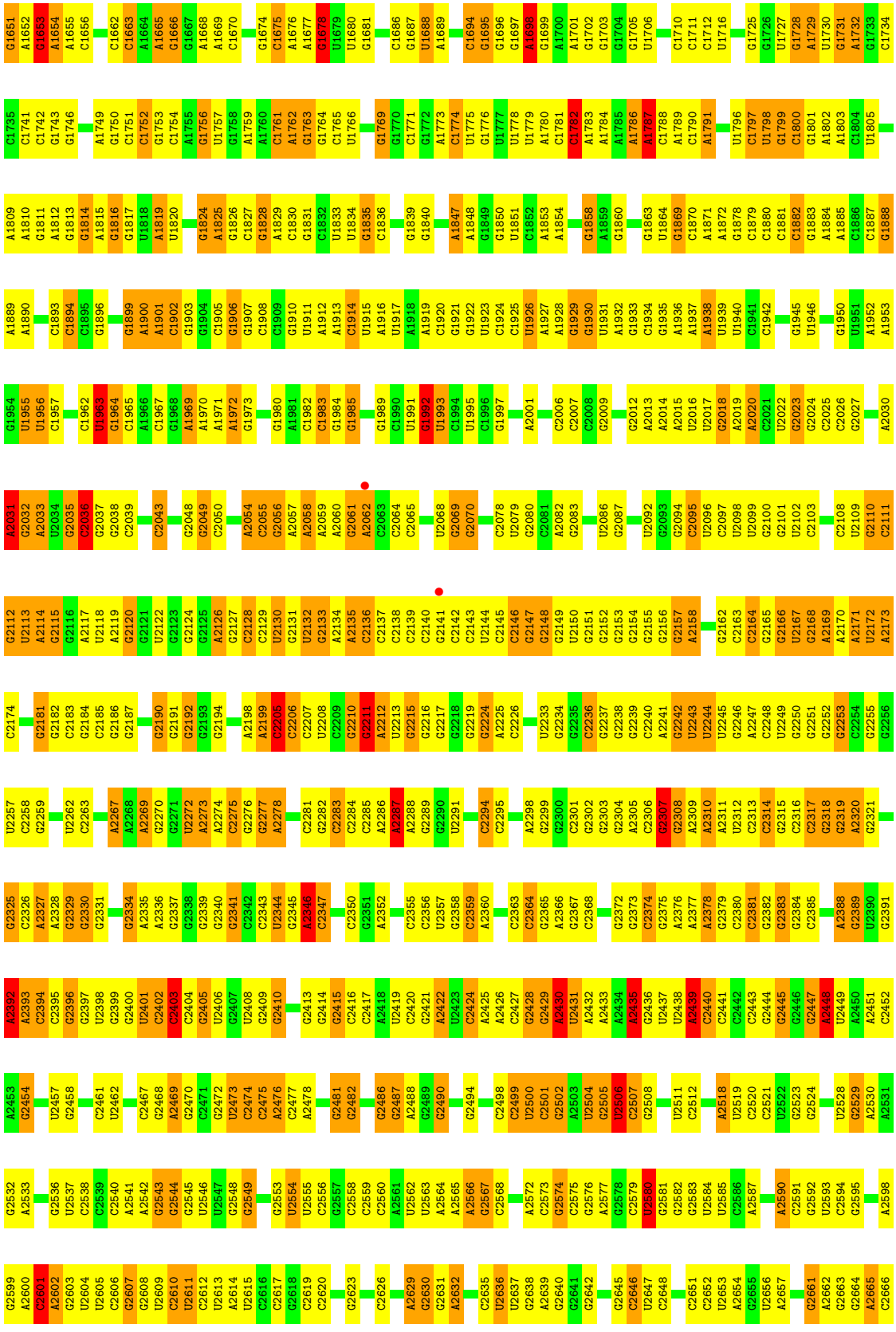
These plots are drawn for all protein, RNA, DNA and oligosaccharide chains in the entry. The first graphic for a chain summarises the proportions of the various outlier classes displayed in the second graphic. The second graphic shows the sequence view annotated by issues in geometry and electron density.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

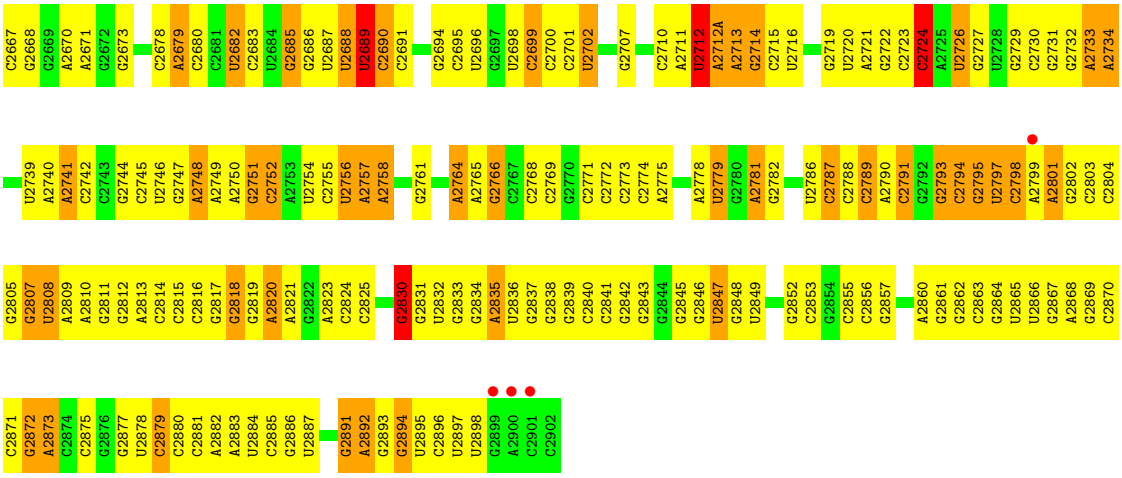
- Molecule 1: RNA (2912-MER)

Chain AA: 28% 49% 21%



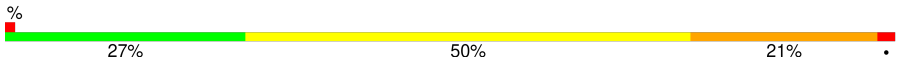


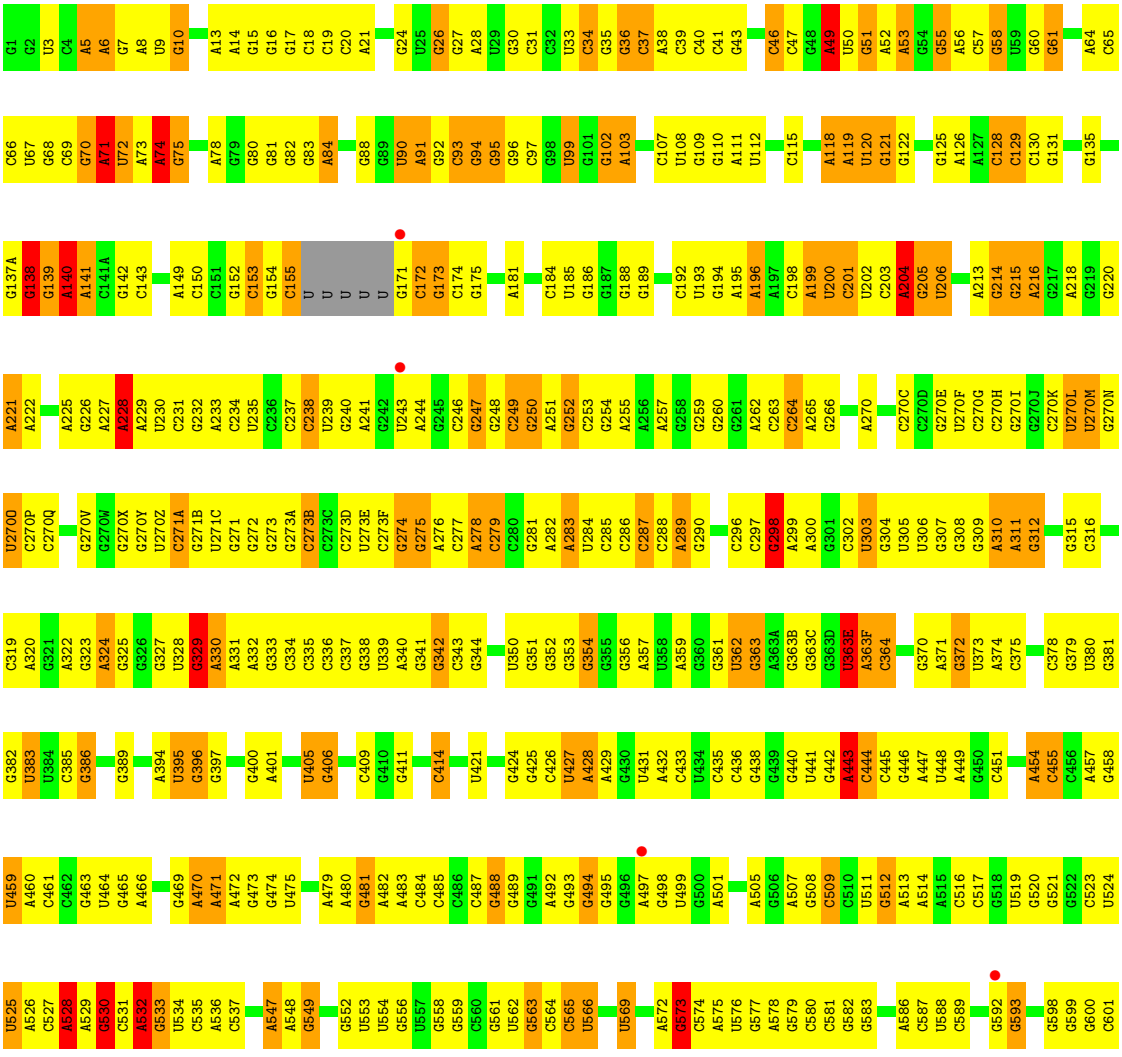


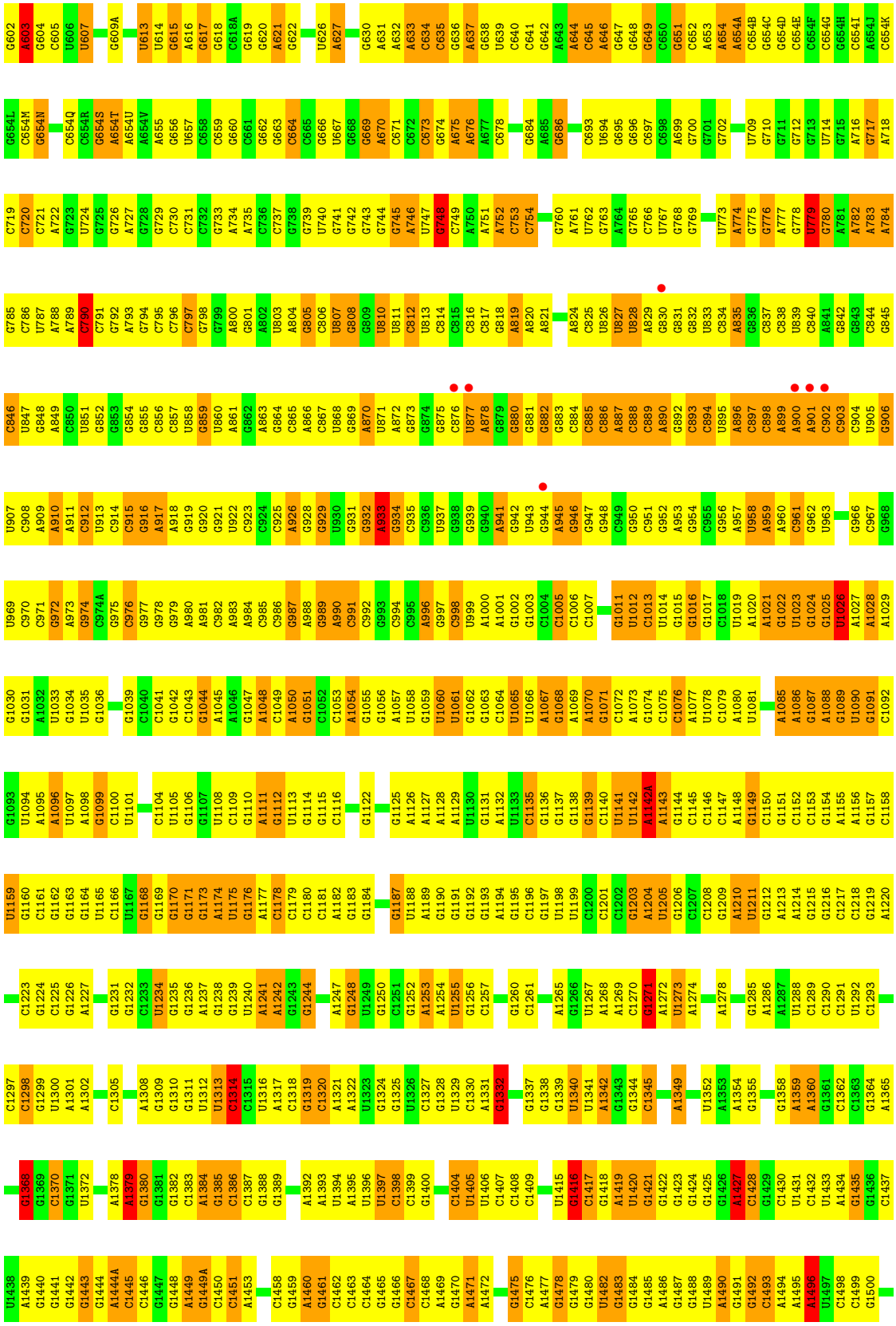


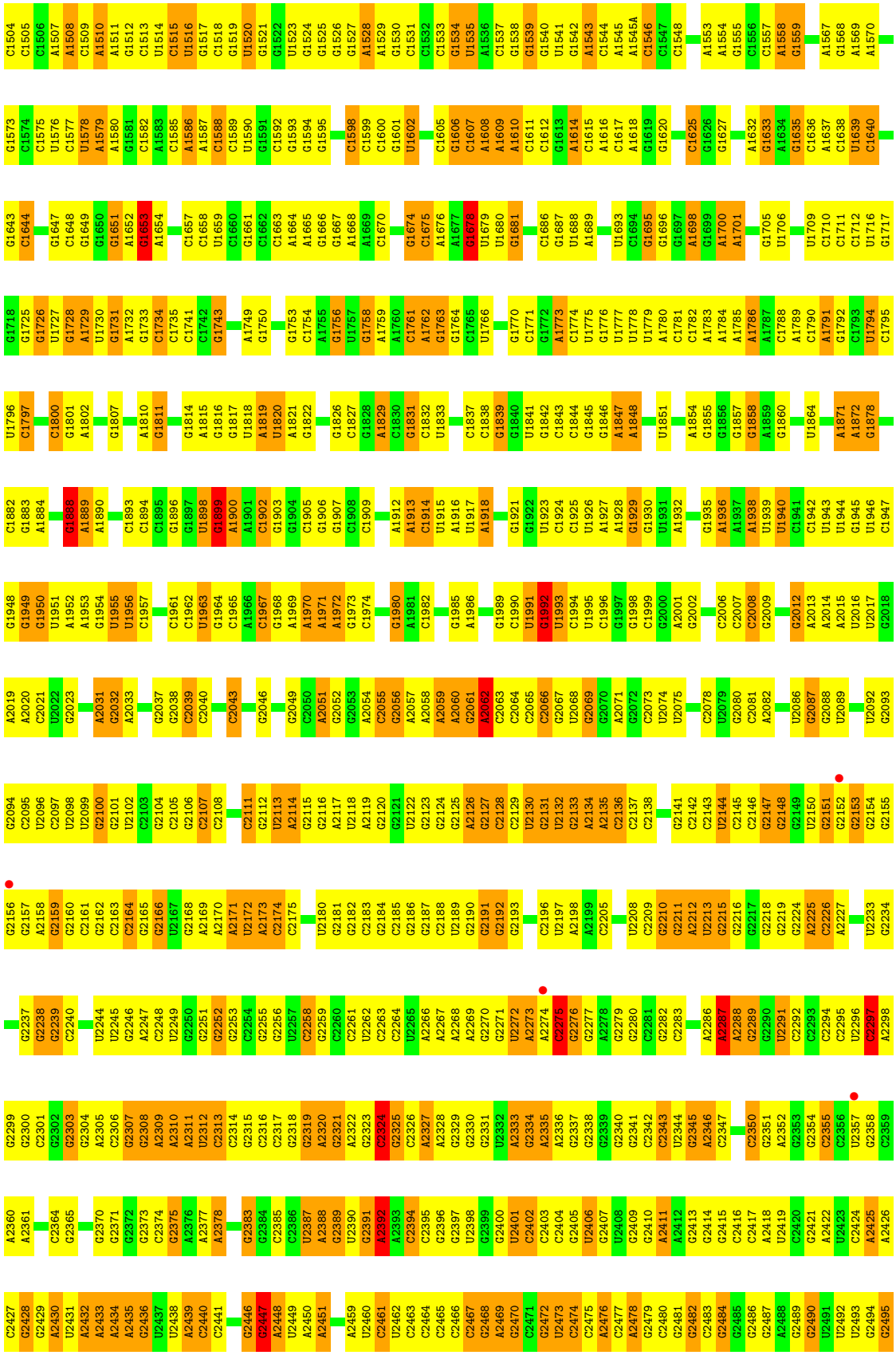
• Molecule 1: RNA (2912-MER)

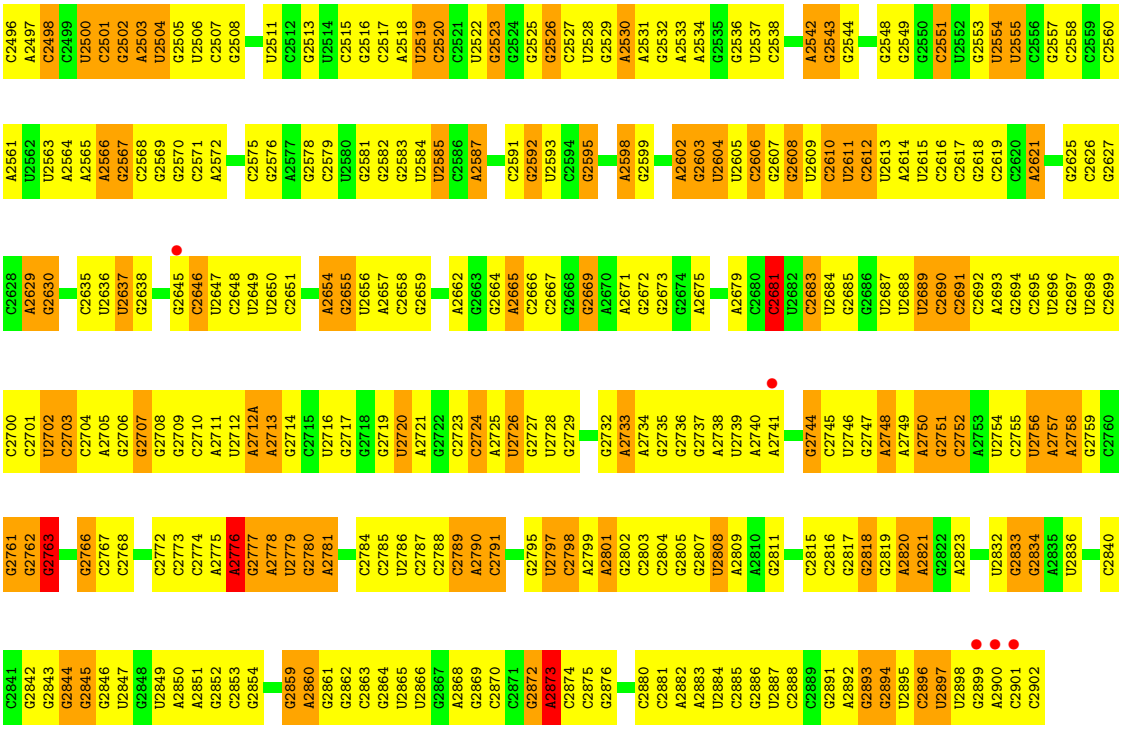
Chain DA:





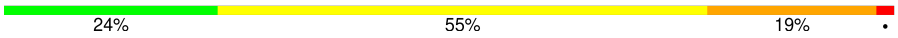


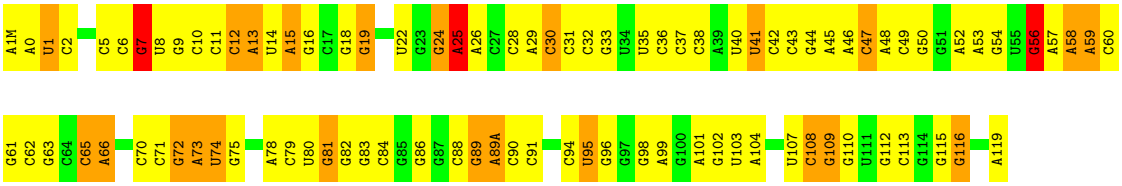




• Molecule 2: 5S RIBOSOMAL RNA

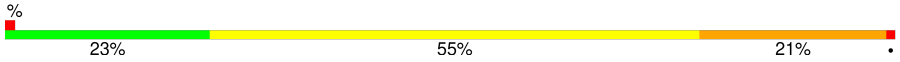
Chain AB:

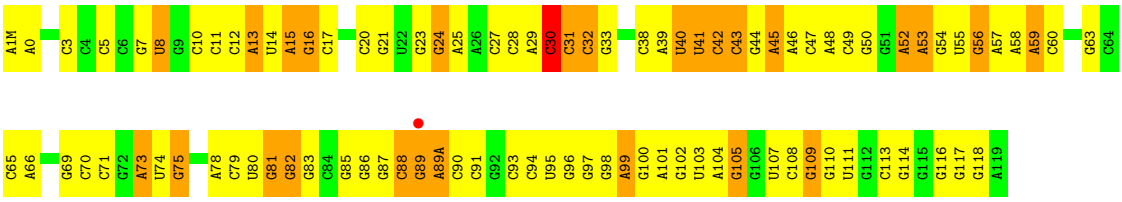




• Molecule 2: 5S RIBOSOMAL RNA

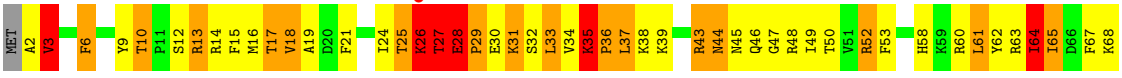
Chain DB:

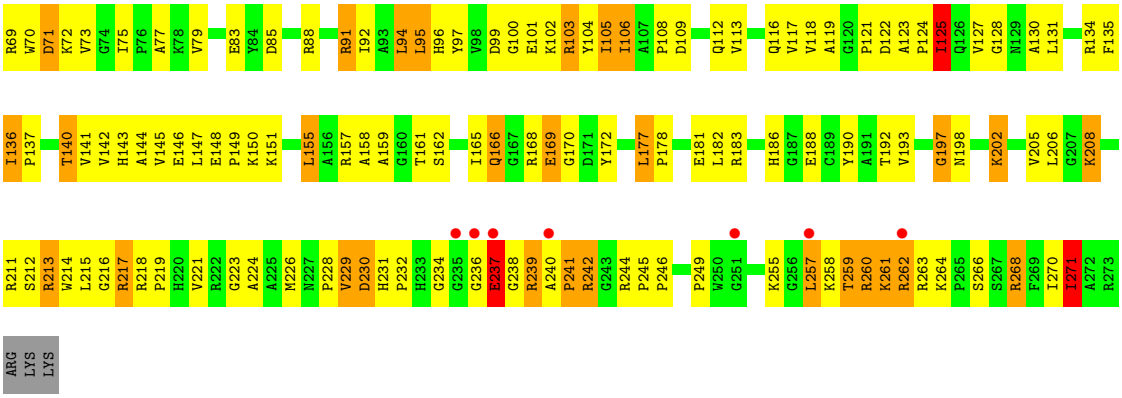




• Molecule 3: 50S ribosomal protein L2

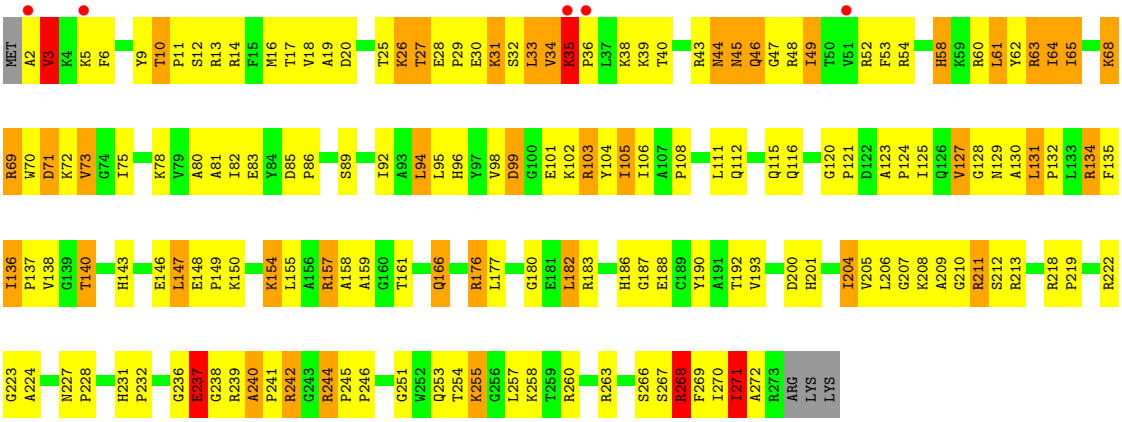
Chain AD:





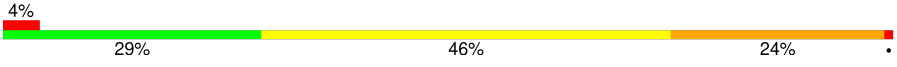
• Molecule 3: 50S ribosomal protein L2

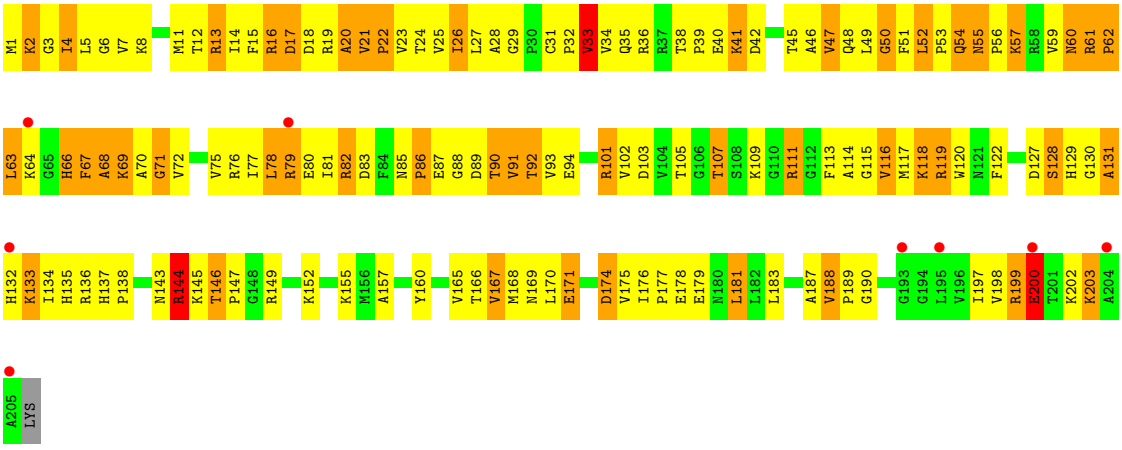
Chain DD:



• Molecule 4: 50S ribosomal protein L3

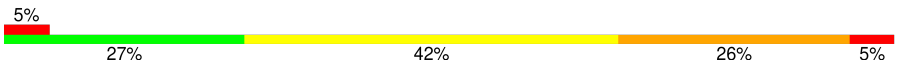
Chain AE:

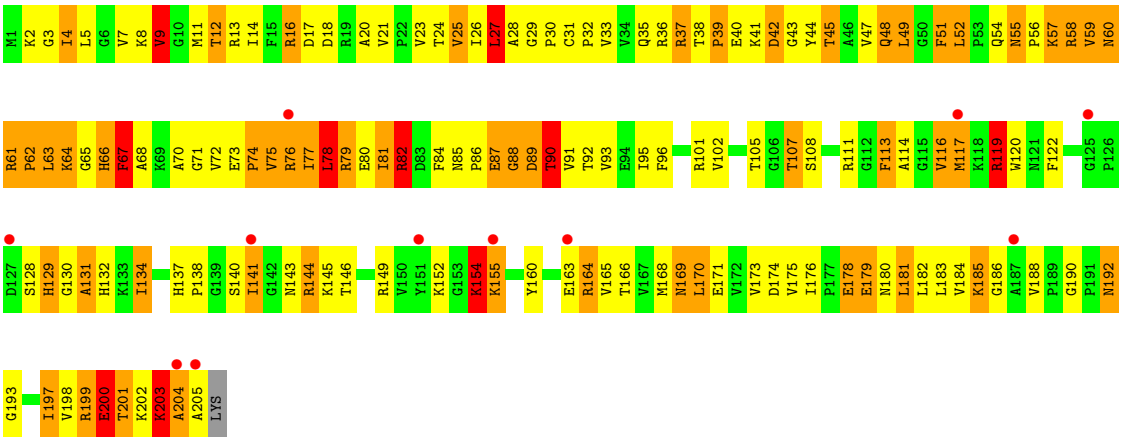




• Molecule 4: 50S ribosomal protein L3

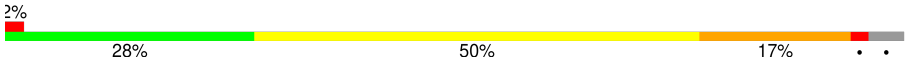
Chain DE:

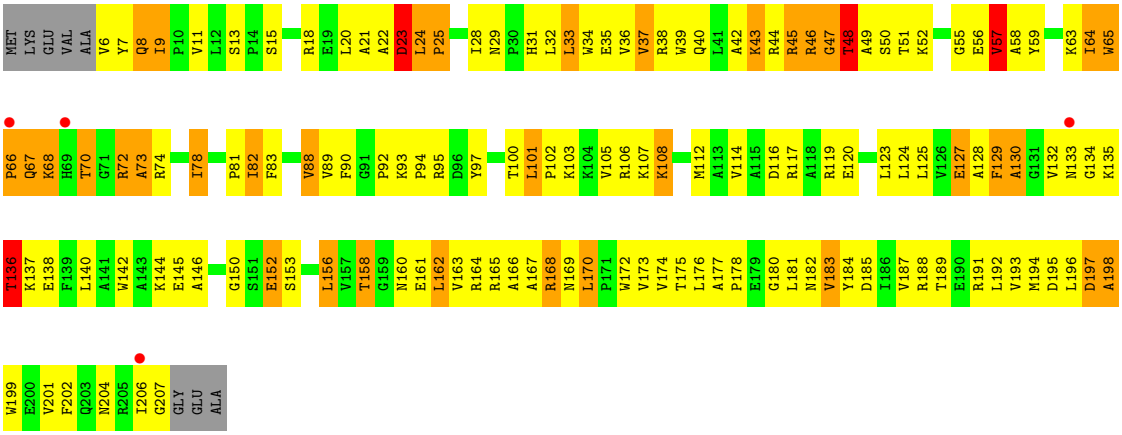




• Molecule 5: 50S ribosomal protein L4

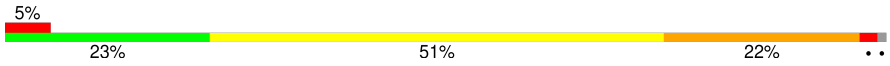
Chain AF:

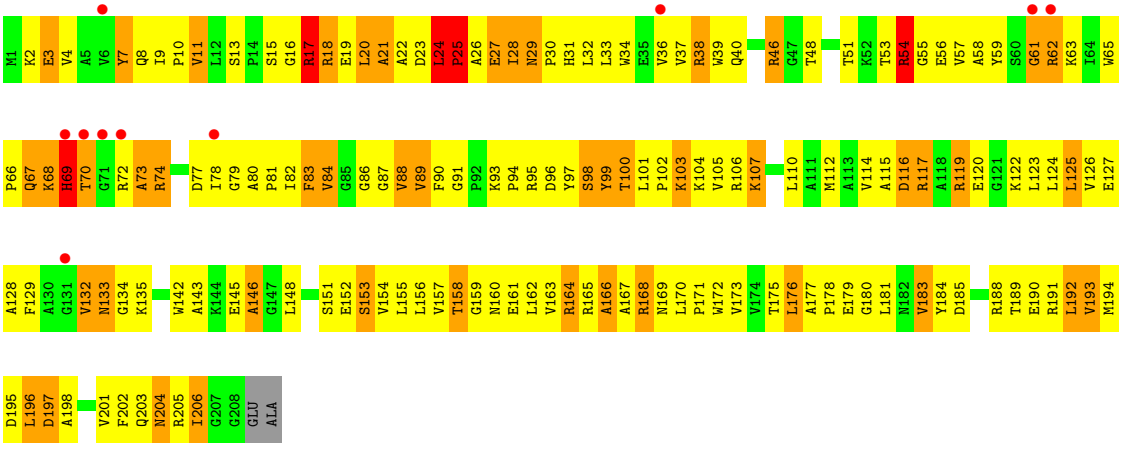




• Molecule 5: 50S ribosomal protein L4

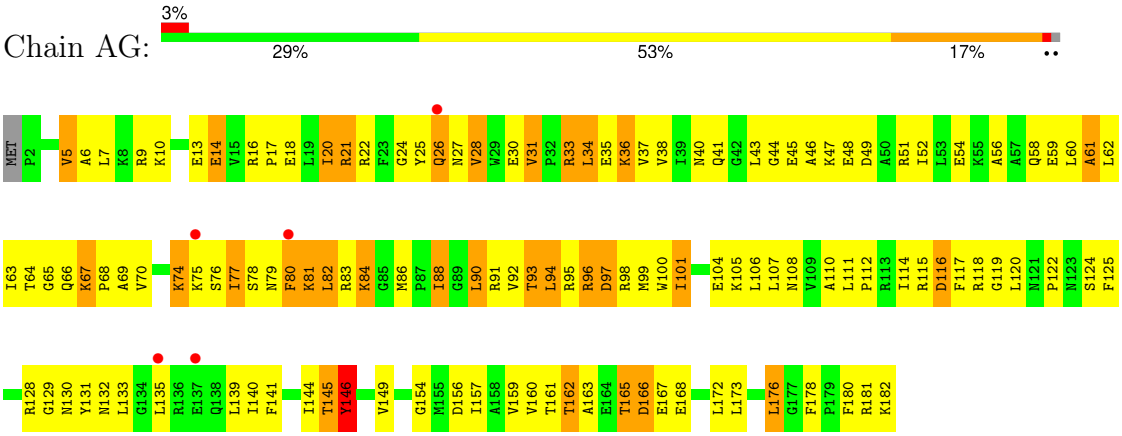
Chain DF:





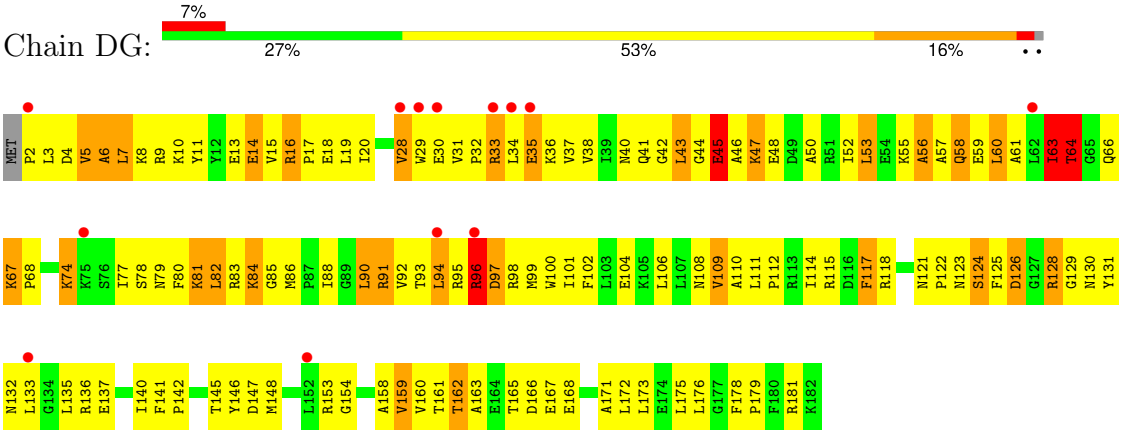
• Molecule 6: 50S ribosomal protein L5

Chain AG:



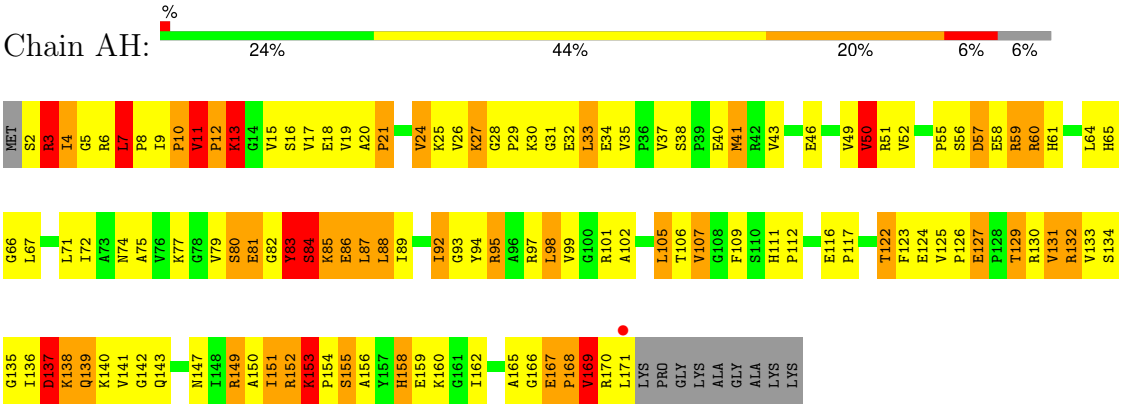
• Molecule 6: 50S ribosomal protein L5

Chain DG:



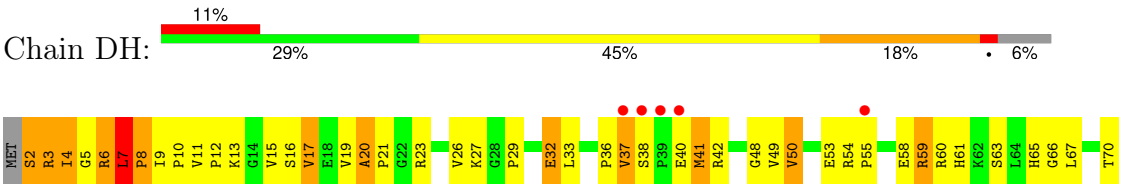
• Molecule 7: 50S ribosomal protein L6

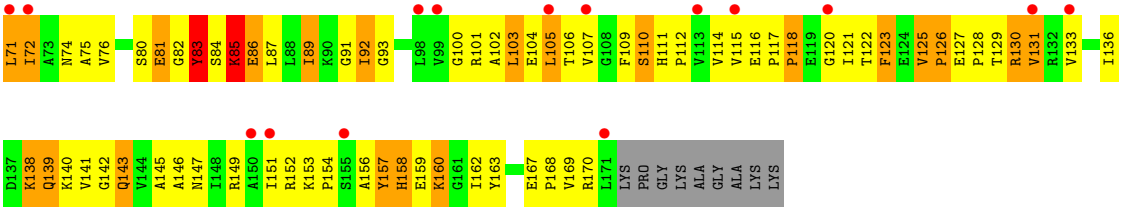
Chain AH:



• Molecule 7: 50S ribosomal protein L6

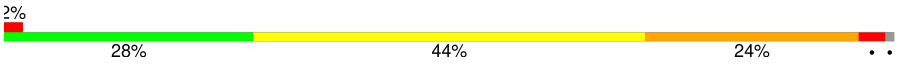
Chain DH:

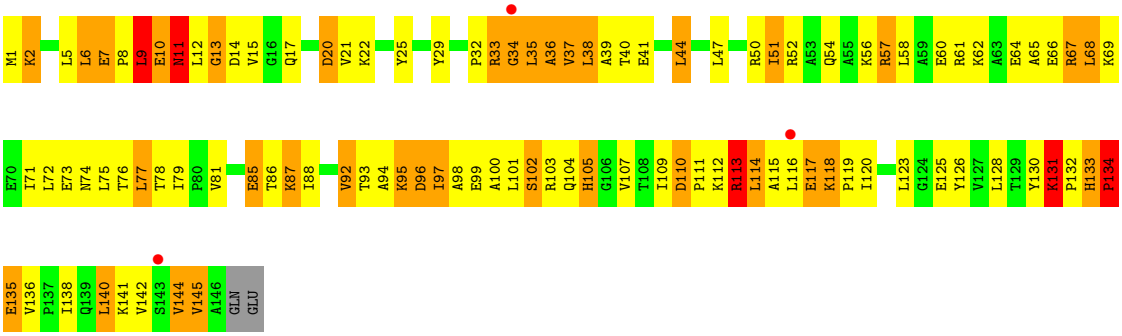




• Molecule 8: 50S ribosomal protein L9

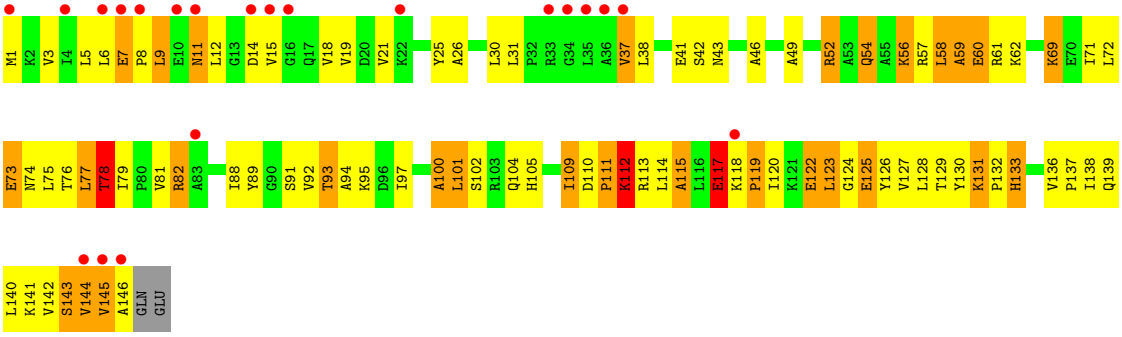
Chain AK:





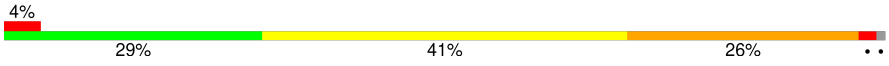
• Molecule 8: 50S ribosomal protein L9

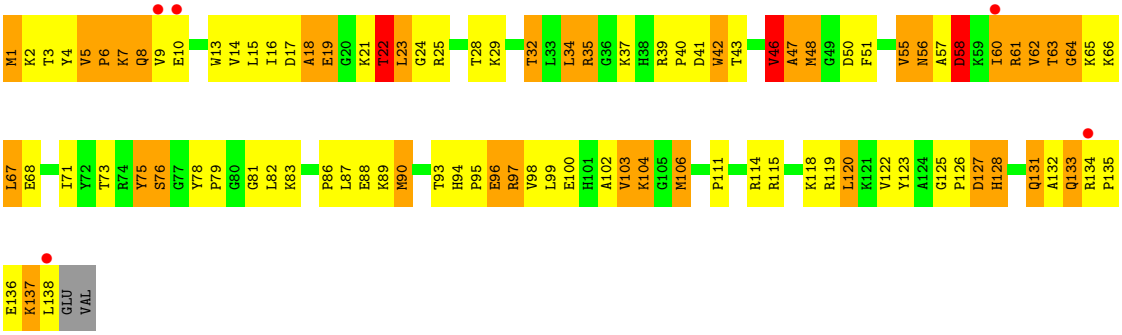
Chain DK:



• Molecule 9: 50S ribosomal protein L13

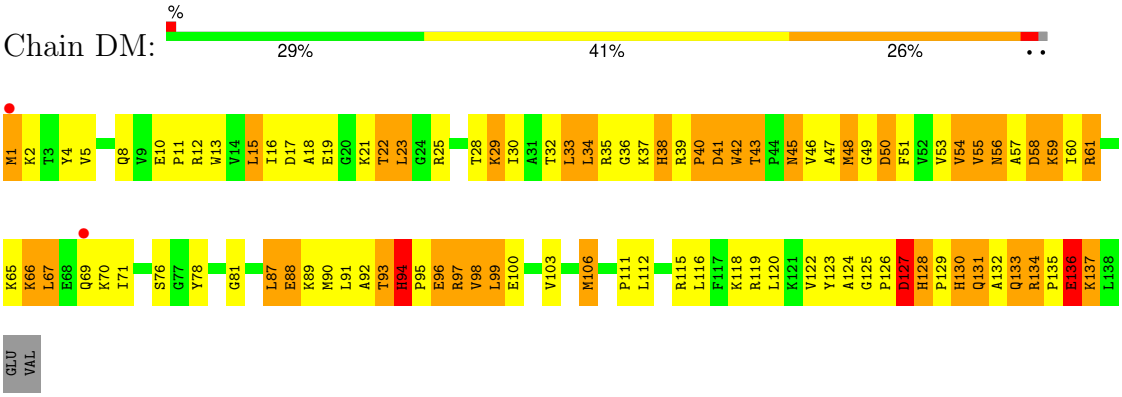
Chain AM:





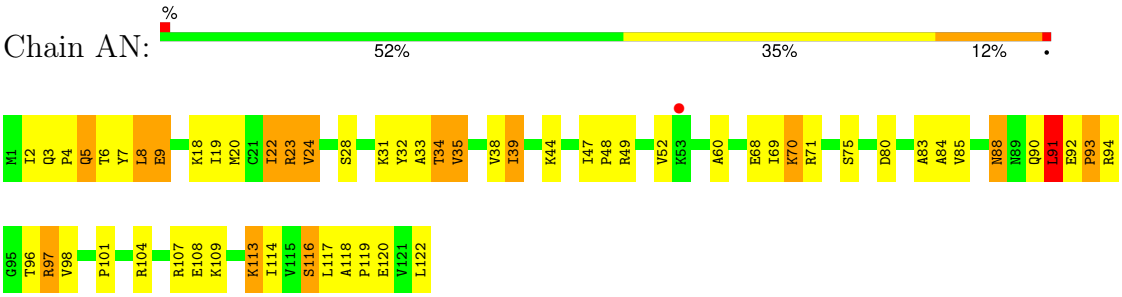
• Molecule 9: 50S ribosomal protein L13

Chain DM:



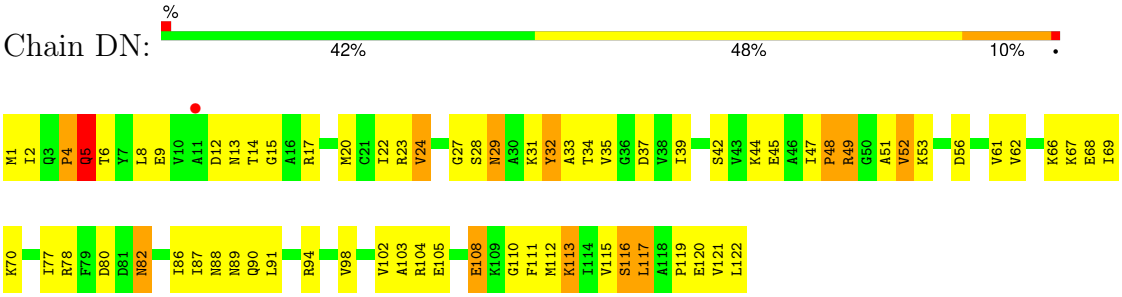
• Molecule 10: 50S ribosomal protein L14

Chain AN:



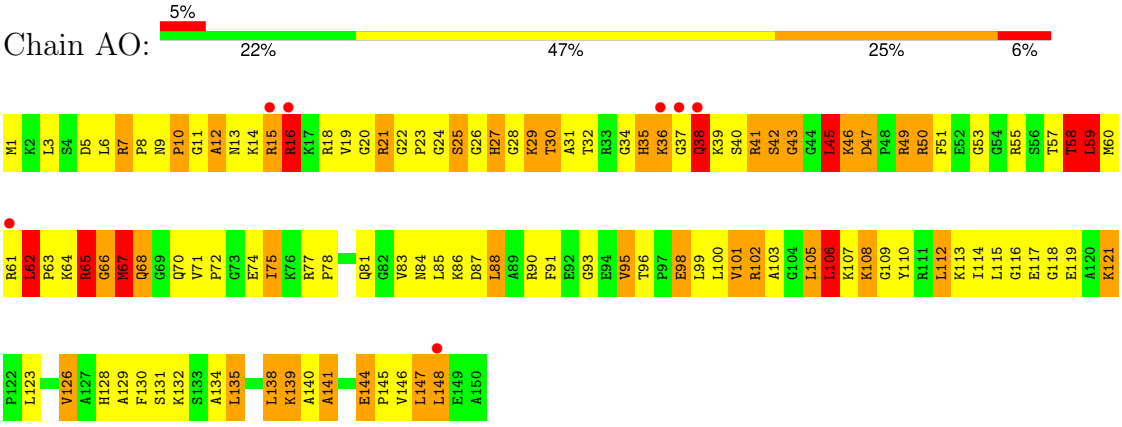
• Molecule 10: 50S ribosomal protein L14

Chain DN:



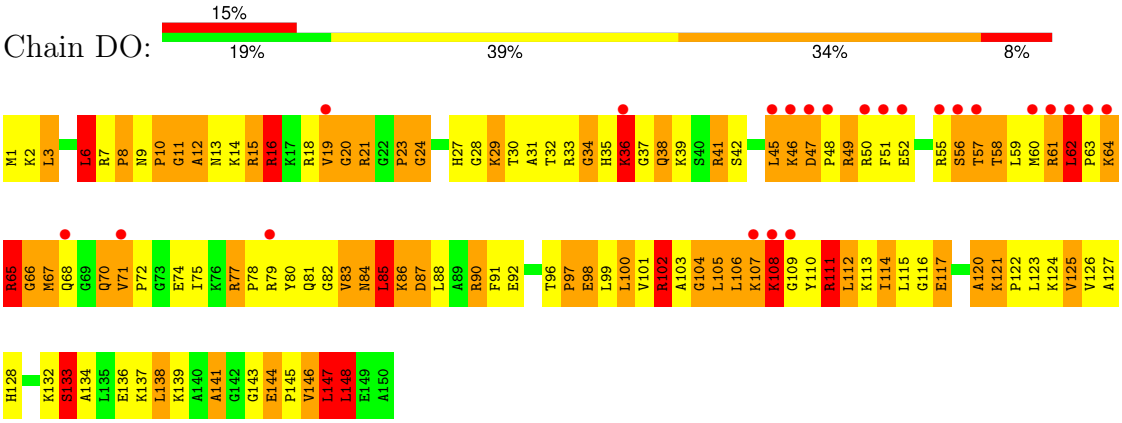
• Molecule 11: 50S ribosomal protein L15

Chain AO:



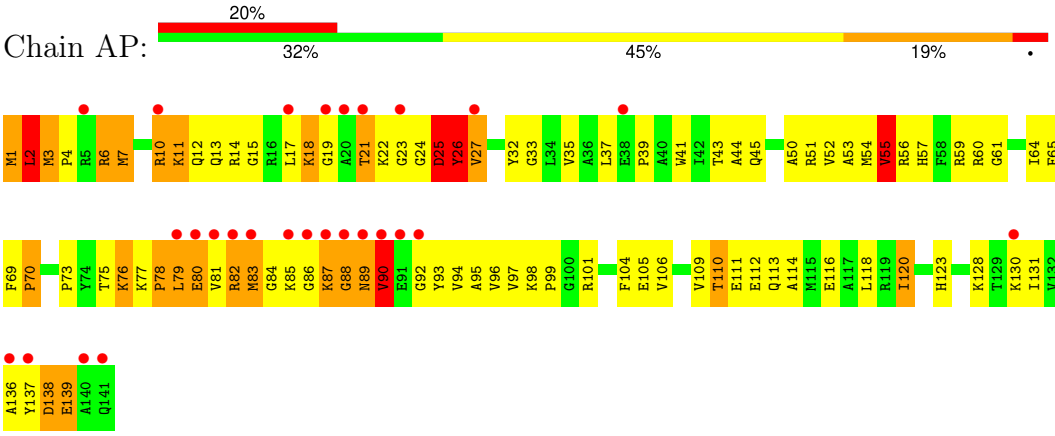
• Molecule 11: 50S ribosomal protein L15

Chain DO:



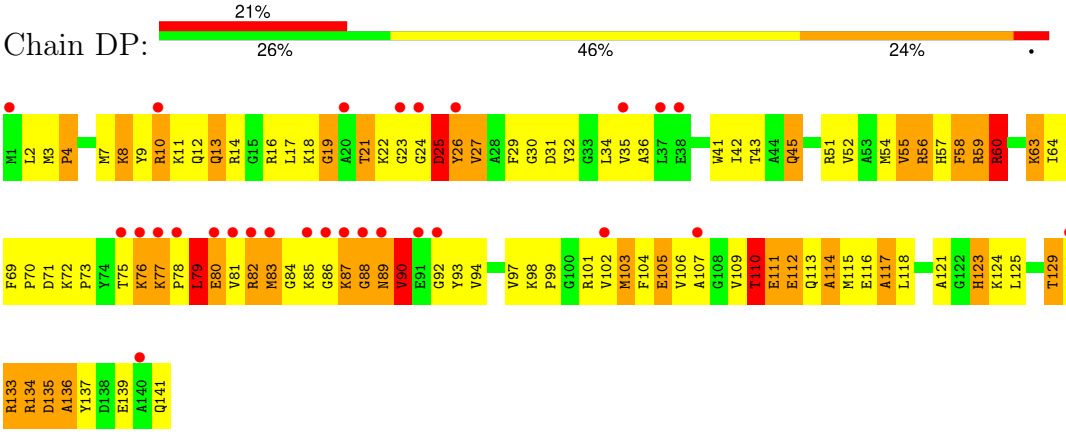
• Molecule 12: 50S ribosomal protein L16

Chain AP:



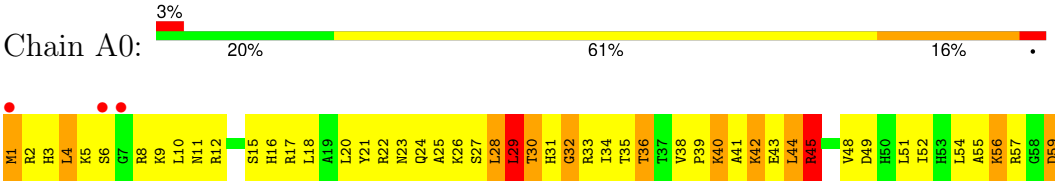
• Molecule 12: 50S ribosomal protein L16

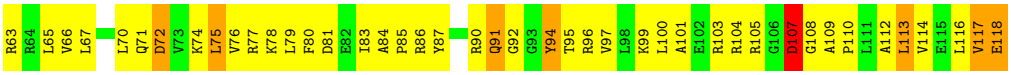
Chain DP:



• Molecule 13: 50S ribosomal protein L17

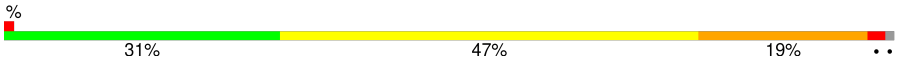
Chain A0:

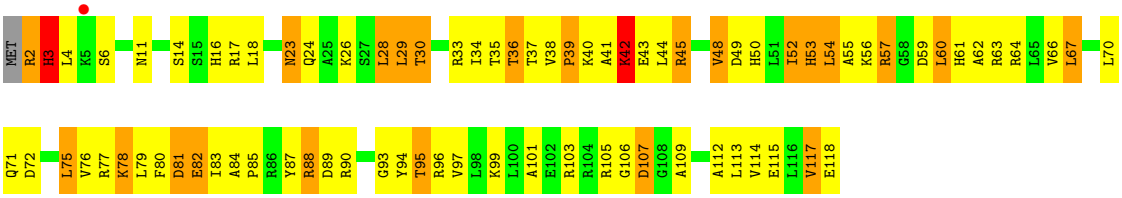




• Molecule 13: 50S ribosomal protein L17

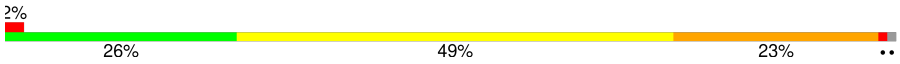
Chain D0:

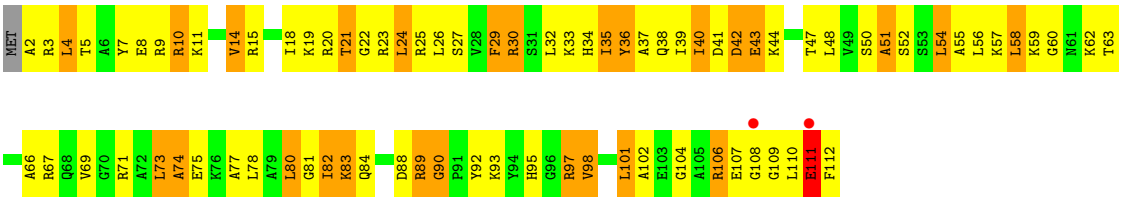




• Molecule 14: 50S ribosomal protein L18

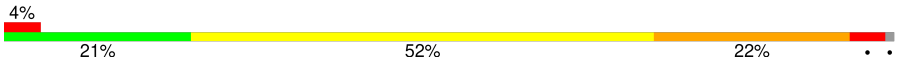
Chain AQ:

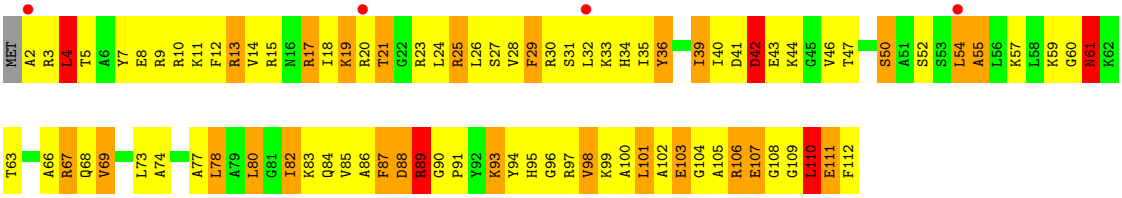




• Molecule 14: 50S ribosomal protein L18

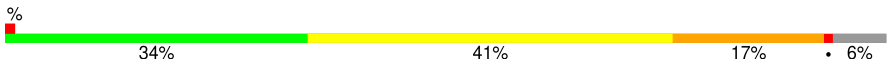
Chain DQ:

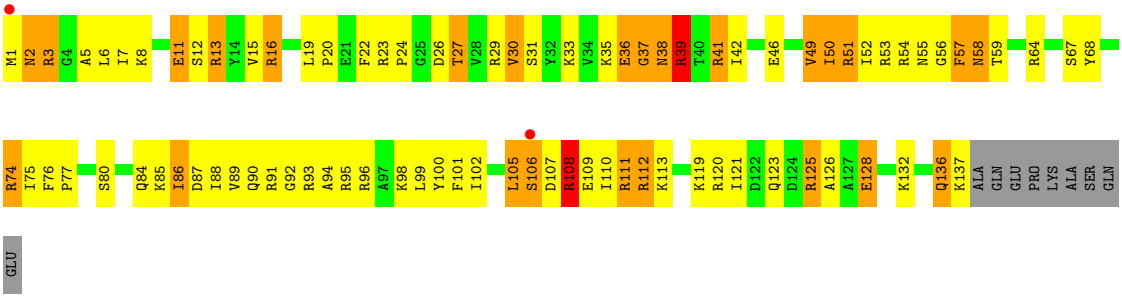




• Molecule 15: 50S ribosomal protein L19

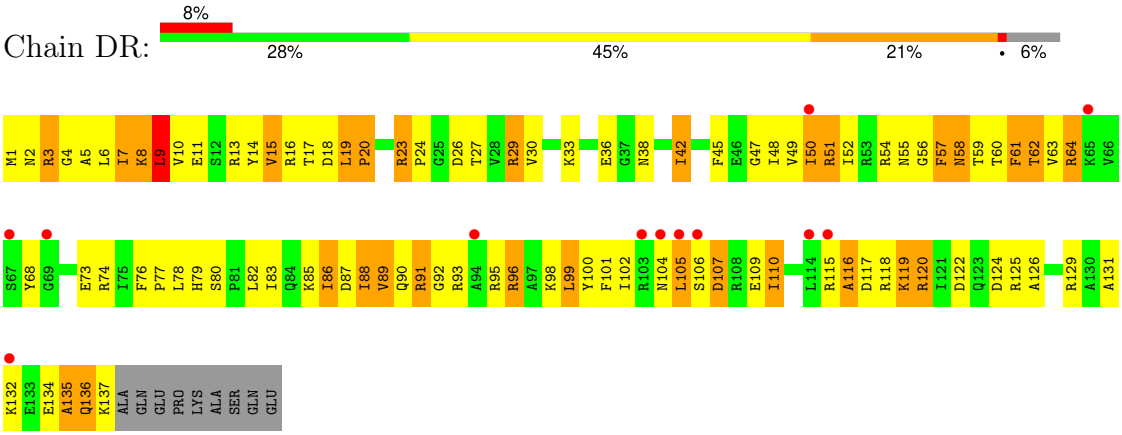
Chain AR:





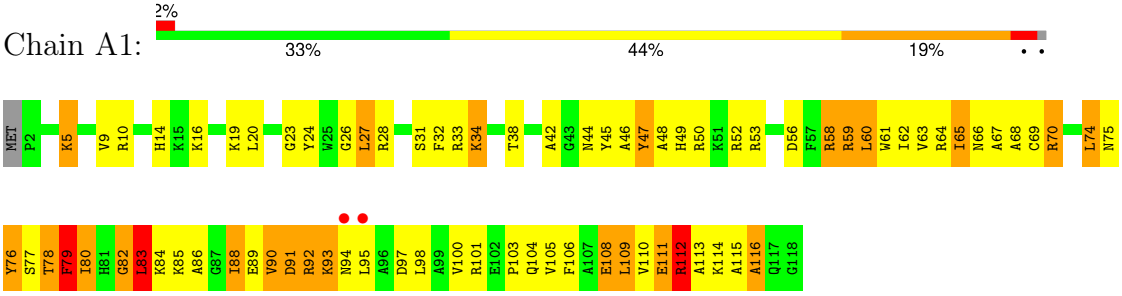
• Molecule 15: 50S ribosomal protein L19

Chain DR:



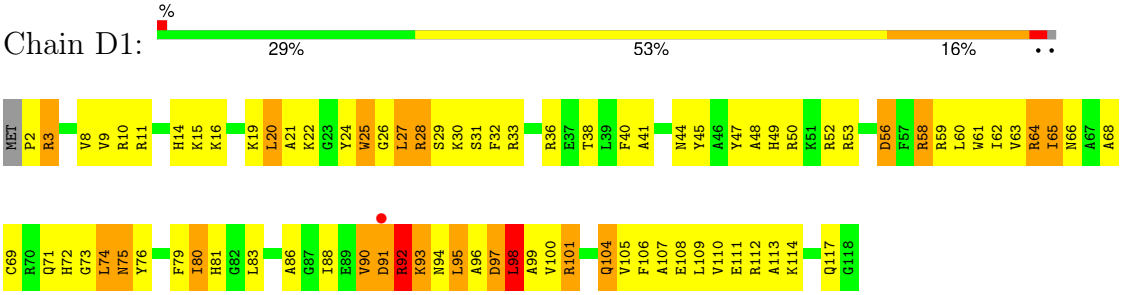
• Molecule 16: 50S ribosomal protein L20

Chain A1:



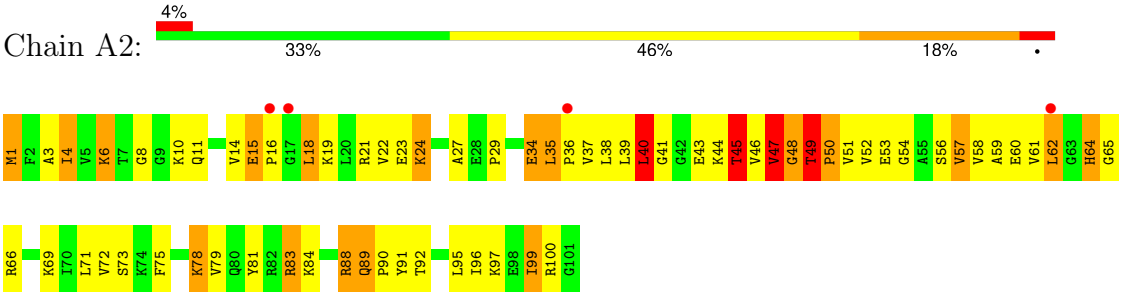
• Molecule 16: 50S ribosomal protein L20

Chain D1:



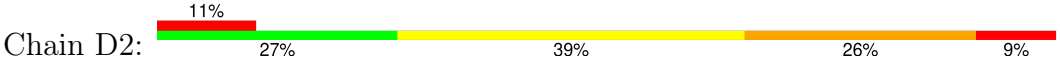
• Molecule 17: 50S ribosomal protein L21

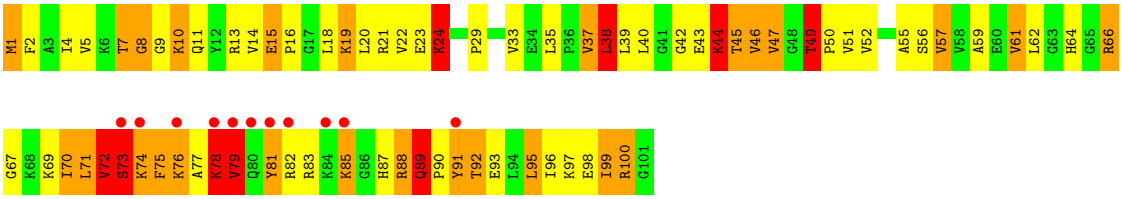
Chain A2:



• Molecule 17: 50S ribosomal protein L21

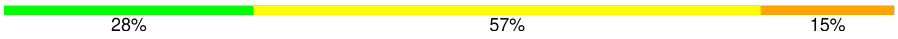
Chain D2:

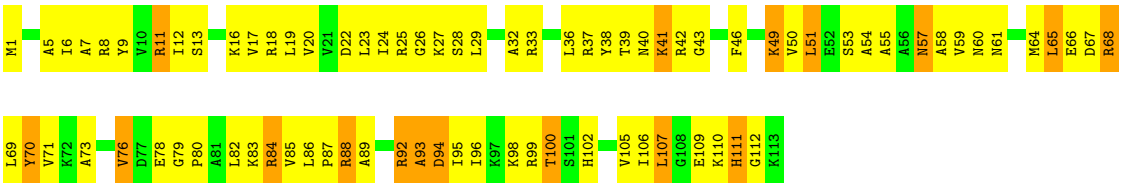




• Molecule 18: 50S ribosomal protein L22

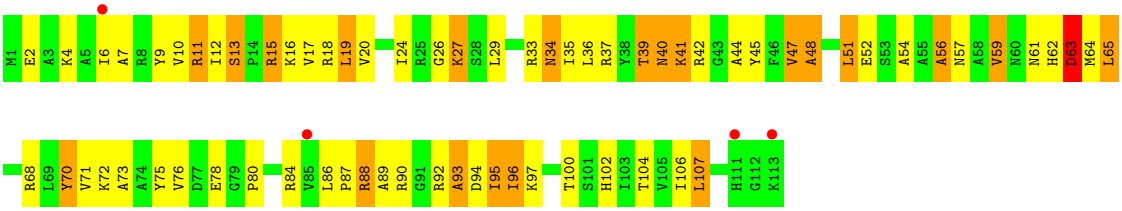
Chain AS:





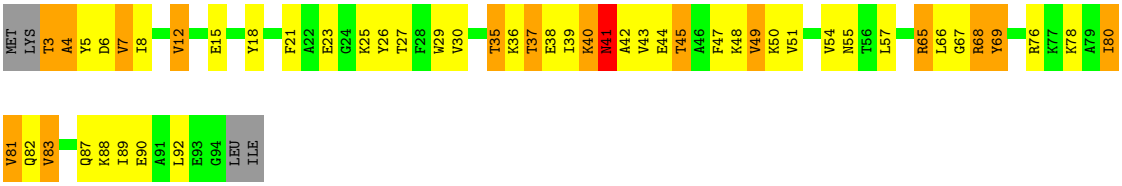
• Molecule 18: 50S ribosomal protein L22

Chain DS:



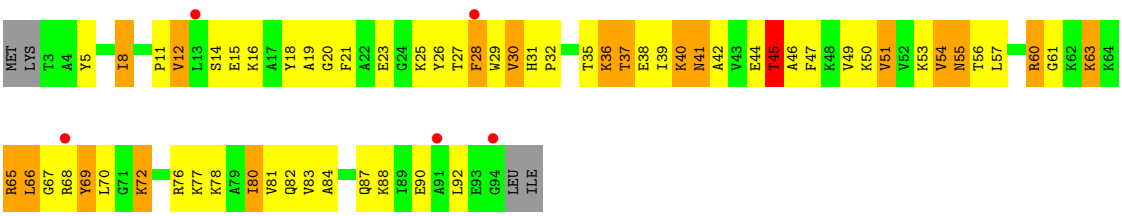
• Molecule 19: 50S ribosomal protein L23

Chain AT:



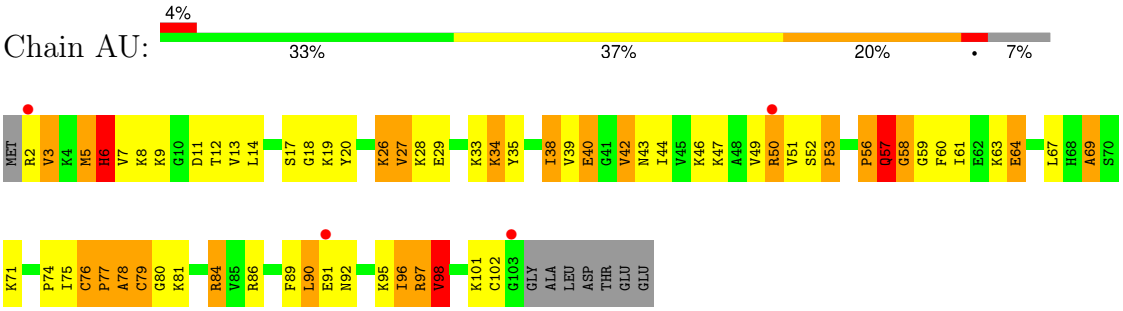
• Molecule 19: 50S ribosomal protein L23

Chain DT:



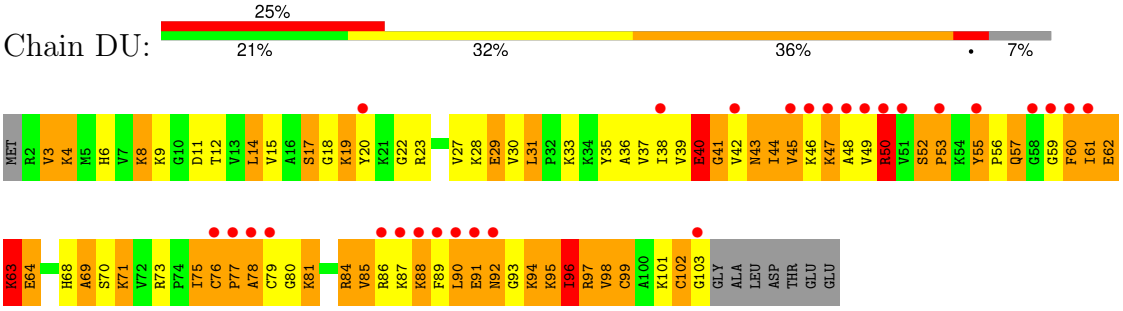
• Molecule 20: 50S ribosomal protein L24

Chain AU:



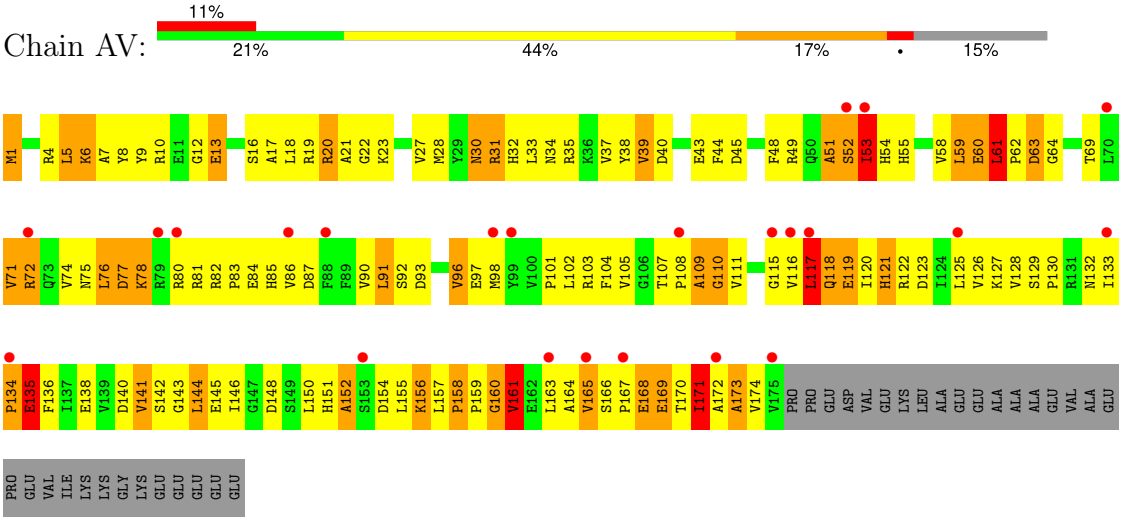
• Molecule 20: 50S ribosomal protein L24

Chain DU:



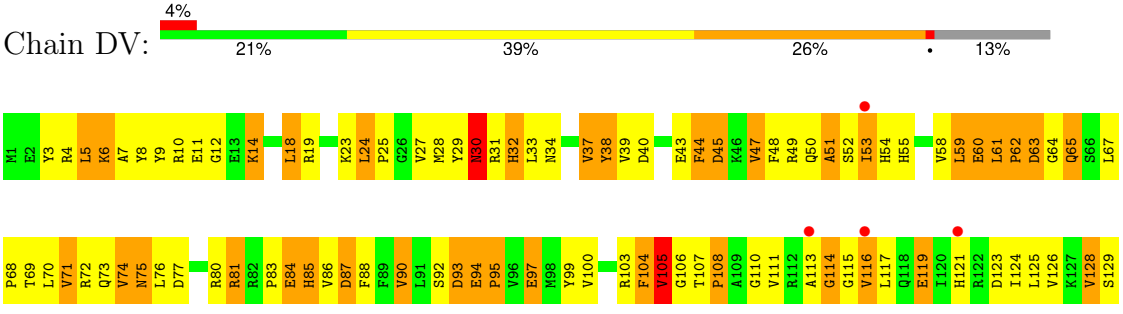
• Molecule 21: 50S ribosomal protein L25

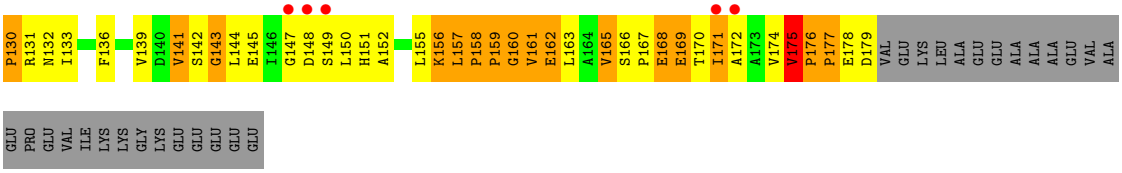
Chain AV:



• Molecule 21: 50S ribosomal protein L25

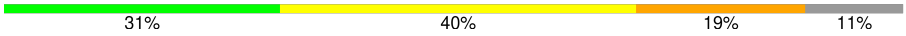
Chain DV:

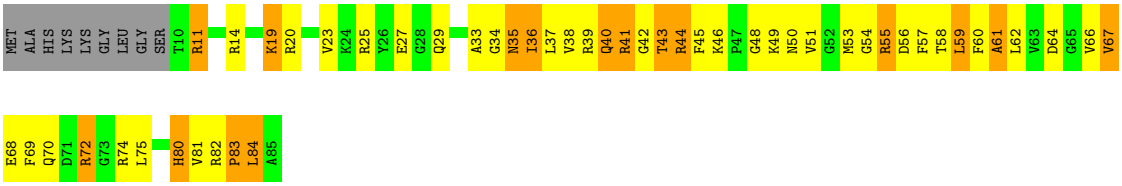




• Molecule 22: 50S ribosomal protein L27

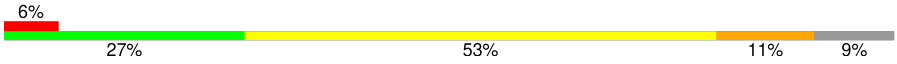
Chain A3:





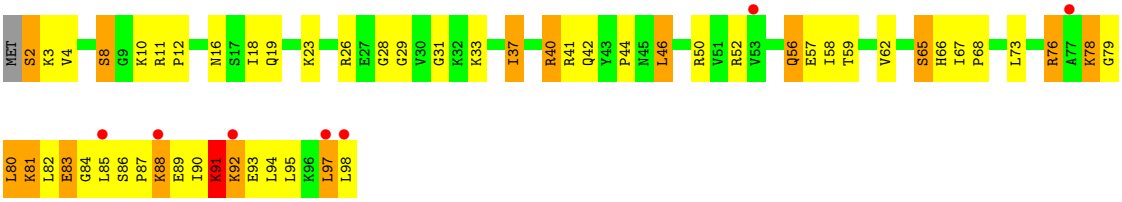
• Molecule 22: 50S ribosomal protein L27

Chain D3:



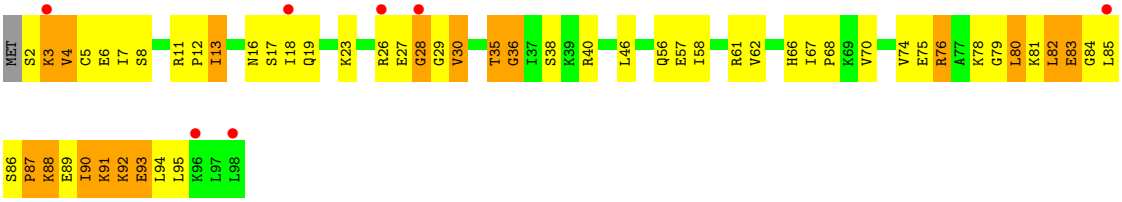
• Molecule 23: 50S ribosomal protein L28

Chain AZ:



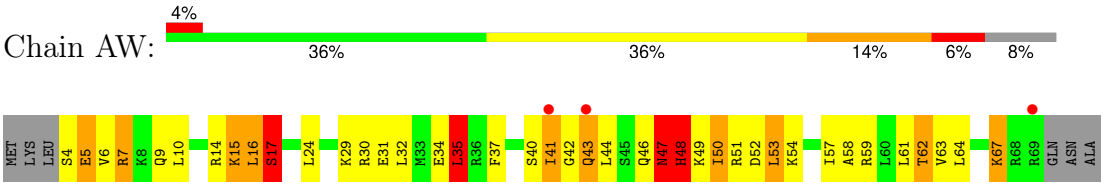
• Molecule 23: 50S ribosomal protein L28

Chain DZ:



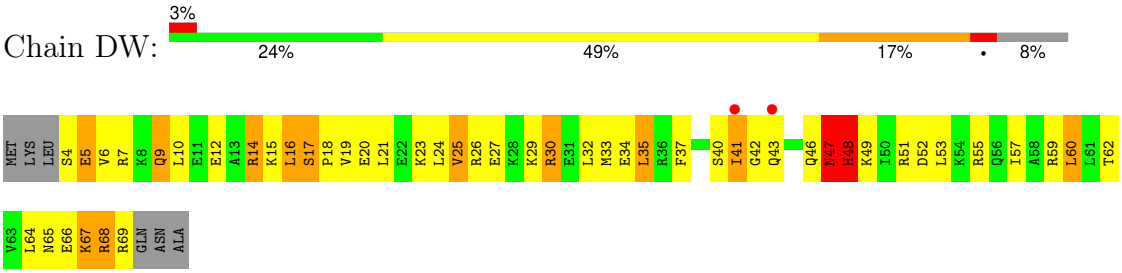
• Molecule 24: 50S ribosomal protein L29

Chain AW:



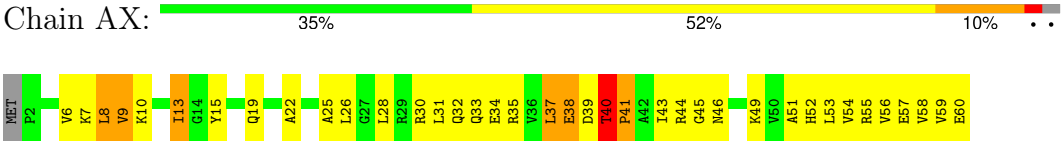
• Molecule 24: 50S ribosomal protein L29

Chain DW:



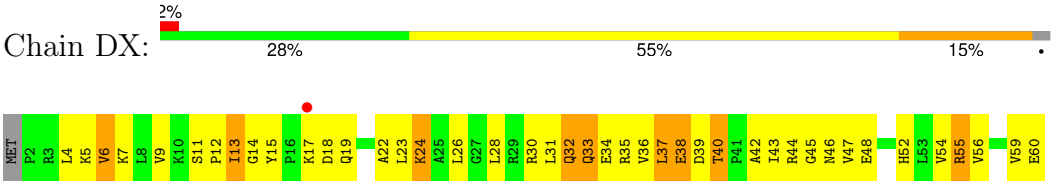
• Molecule 25: 50S ribosomal protein L30

Chain AX:



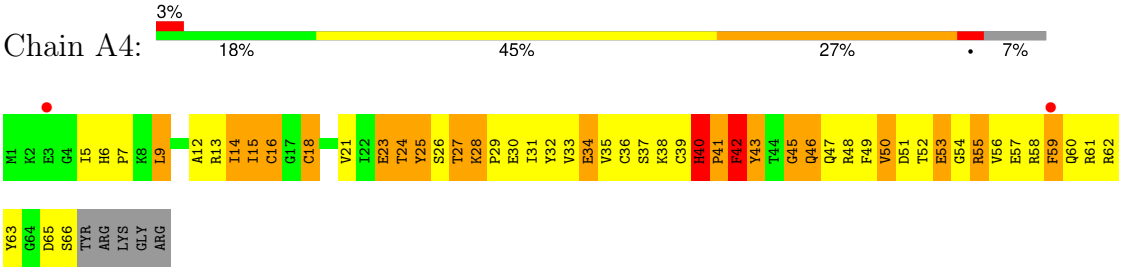
• Molecule 25: 50S ribosomal protein L30

Chain DX:



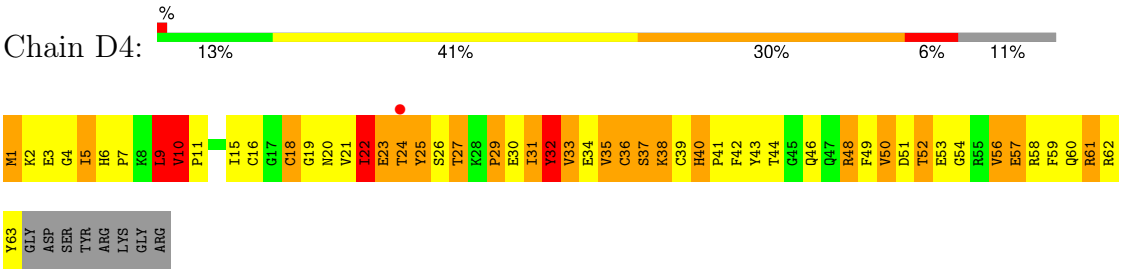
• Molecule 26: 50S ribosomal protein L31

Chain A4:



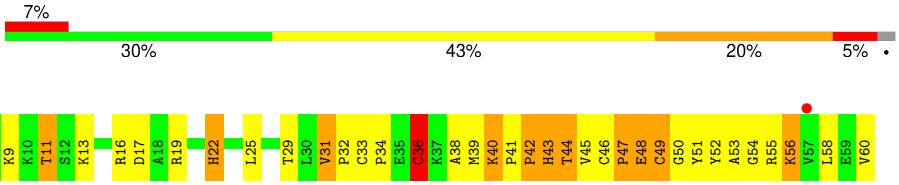
• Molecule 26: 50S ribosomal protein L31

Chain D4:



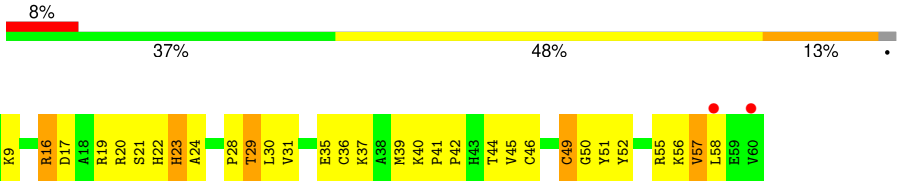
• Molecule 27: 50S ribosomal protein L32

Chain A5:



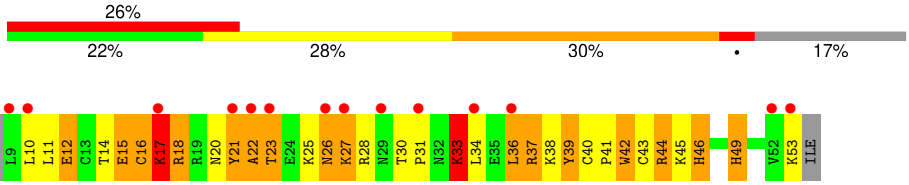
• Molecule 27: 50S ribosomal protein L32

Chain D5:



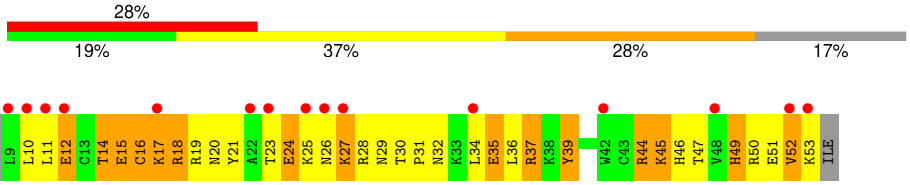
• Molecule 28: 50S ribosomal protein L33

Chain A6:



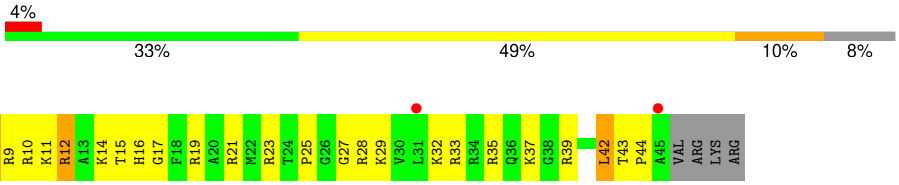
• Molecule 28: 50S ribosomal protein L33

Chain D6:



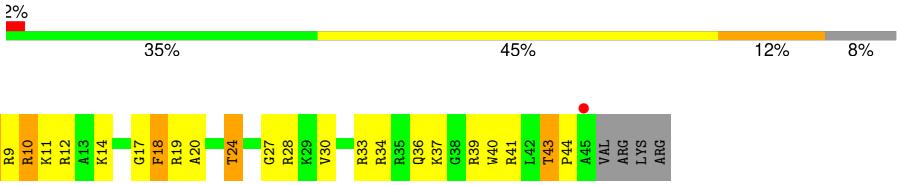
• Molecule 29: 50S ribosomal protein L34

Chain A7:



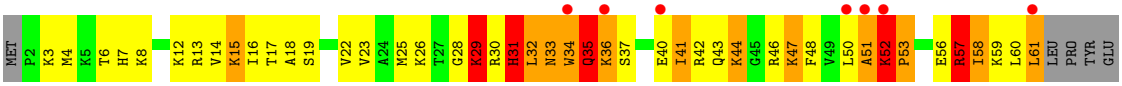
• Molecule 29: 50S ribosomal protein L34

Chain D7:



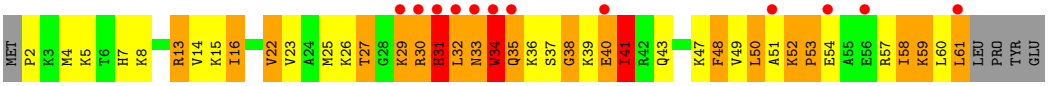
• Molecule 30: 50S ribosomal protein L35

Chain A8:



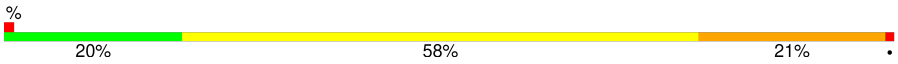
• Molecule 30: 50S ribosomal protein L35

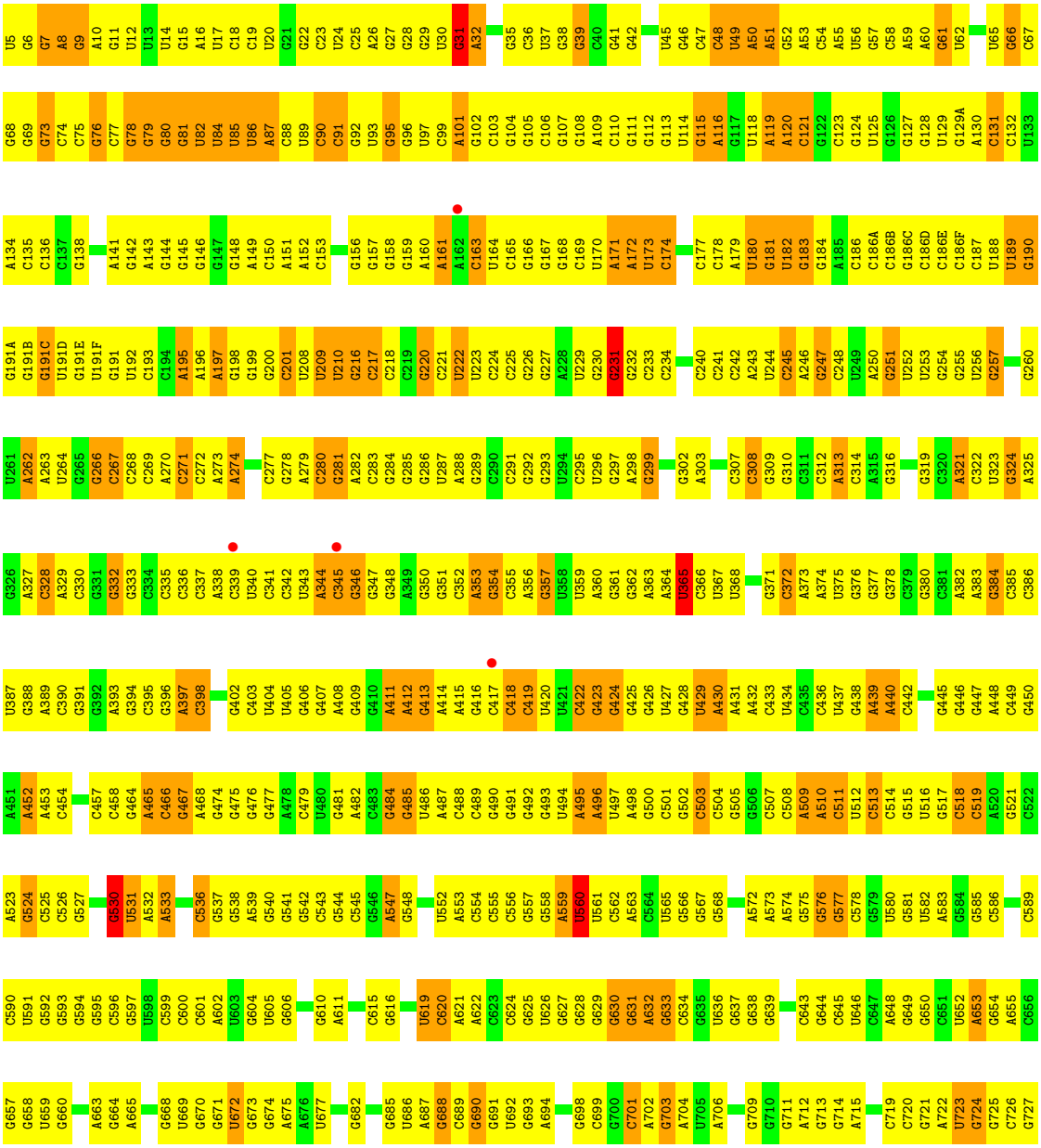
Chain D8:

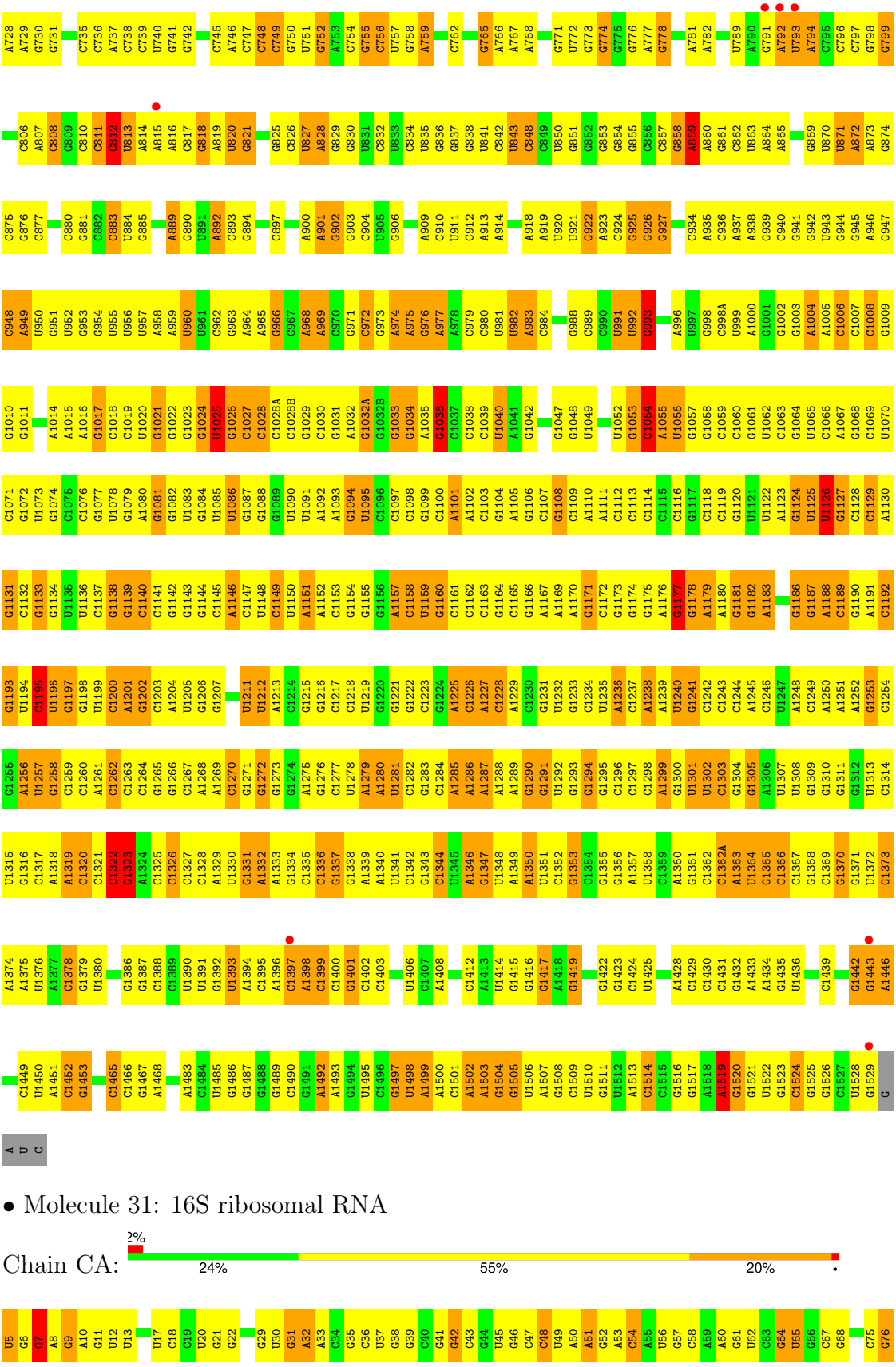


• Molecule 31: 16S ribosomal RNA

Chain BA:

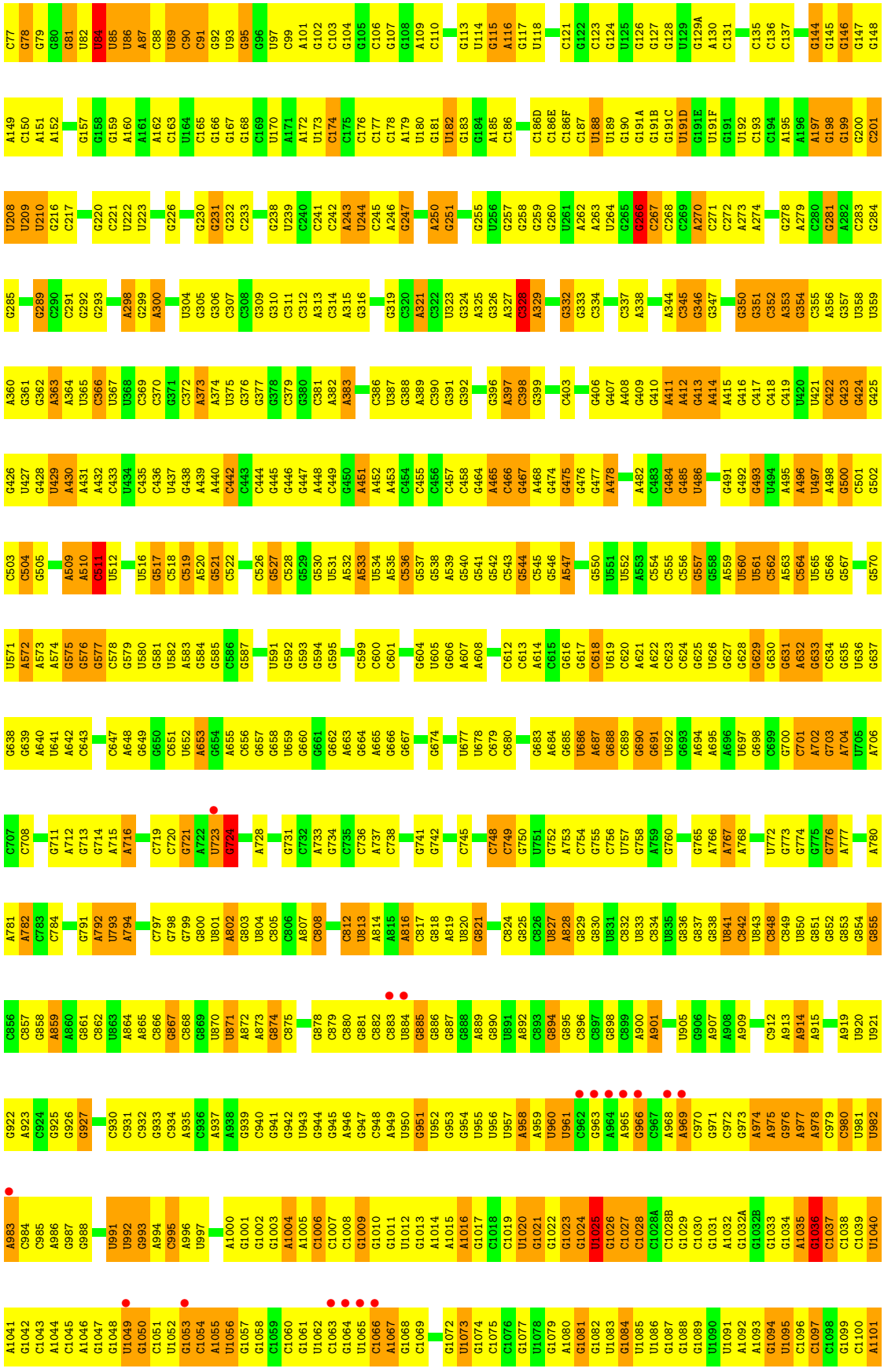






• Molecule 31: 16S ribosomal RNA

Chain CA: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A149 C150 A151 A152 G157 G158 G159 A160 A161 A162 C163 U164 C165 G166 G167 G168 C169 U170 A171 A172 U173 C174 C175 C176 C177 C178 A179 U180 G181 U182 G183 G184 A185 C186 C186D C186E C186F C187 U188 U189 G190 G191A G191B G191C U191D G191E U191F G191 U192 C193 C194 A195 A196 A197 G198 G199 G200 C201
U208 U209 U210 G216 C217 G220 C221 U222 U223 G226 G230 G231 G232 C233 G238 U239 C240 C241 C242 A243 U244 C245 A246 G247 A250 G251 G255 U256 G257 G258 G259 G260 U261 A262 A263 U264 G265 G266 C267 C268 C269 A270 C271 C272 A273 A274 G278 A279 C280 G281 A282 C283 G284
G285 G289 C290 C291 G292 G293 A298 G299 A300 U304 G305 G306 C307 C308 G309 G310 C311 C312 A313 C314 A315 G316 G319 C320 A321 C322 U323 G324 A325 G326 A327 C328 A329 G332 G333 C334 C337 A338 A344 C345 G346 G347 G350 G351 C352 A353 G354 C355 A356 G357 U358 U359
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G426 U427 G428 U429 A430 A431 A432 C433 U434 C435 C436 U437 G438 A439 A440 C442 C443 C444 G445 G446 G447 A448 C449 G450 A451 A452 A453 C454 C455 C456 C457 C458 G464 A465 C466 G467 A468 G474 G475 G476 G477 A478 A482 C483 G484 G485 U486 G491 G492 G493 U494 A495 A496 U497 C421 C422 G423 G424 G425
C503 C504 G505 A509 A510 C511 U512 U516 G517 C518 C519 A520 G521 C522 C526 G527 C528 G529 G530 U531 A532 A533 U534 A535 C536 G537 G538 A539 G540 G541 G542 C543 G544 C545 G546 A547 G550 U551 U552 A553 C554 C555 C556 G557 G558 A559 U560 U561 C562 A563 C564 U565 G566 G567 G570
U571 A572 A573 A574 G575 G576 G577 C578 G579 U580 G581 U582 A583 G584 G585 C586 G587 U591 G592 G593 G594 G595 C599 C600 C601 G604 U605 G606 A607 A608 C612 C613 A614 C615 G616 G617 C618 U619 C620 A621 A622 C623 C624 G625 U626 G627 G628 G629 G630 G631 A632 G633 C634 G635 U636 G637
G638 G639 A640 U641 A642 C643 C647 A648 G649 G650 C651 U652 A653 G654 A655 C656 G657 G658 U659 C660 G661 G662 A663 G664 A665 G666 G667 G674 U677 U678 C679 C680 G683 A684 G685 U686 A687 G688 C689 G690 G691 U692 G693 A694 A695 A696 U697 G698 C699 G700 C701 A702 G703 A704 U705 A706
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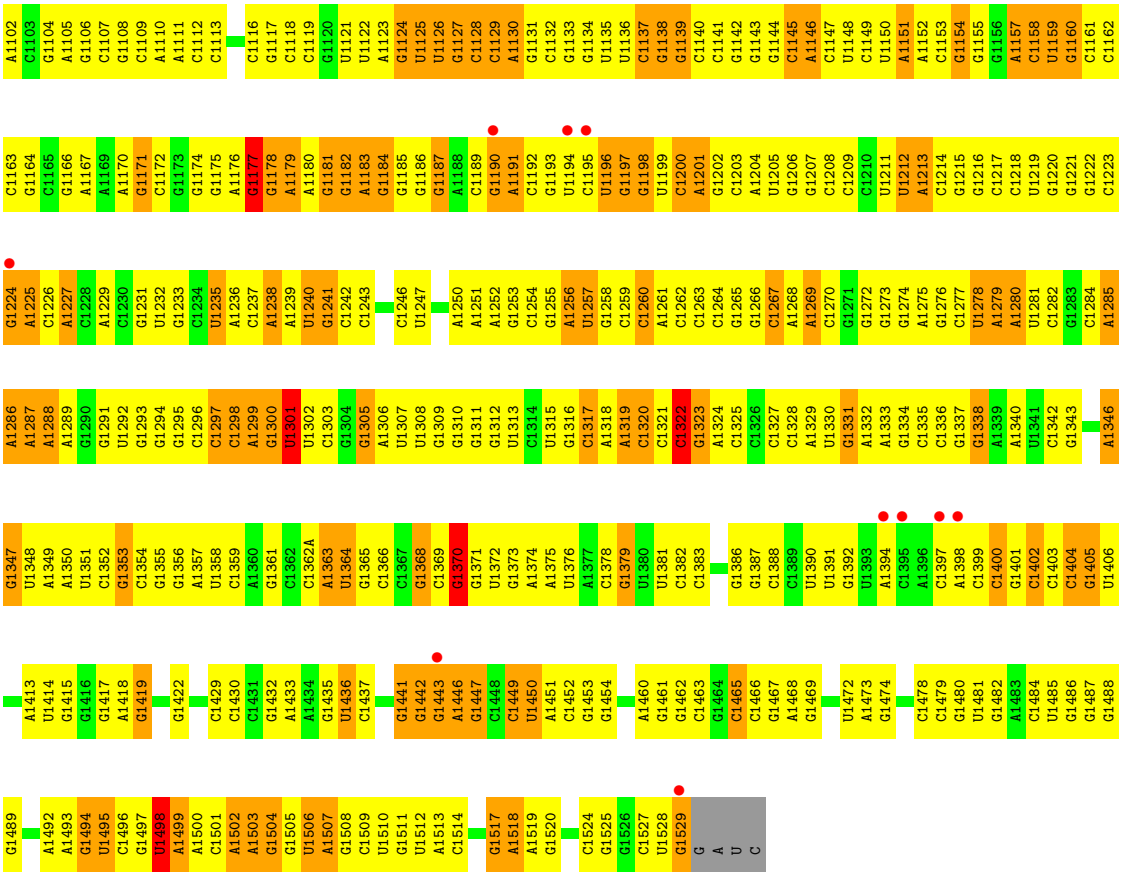
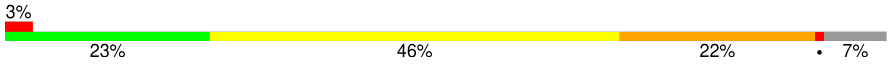
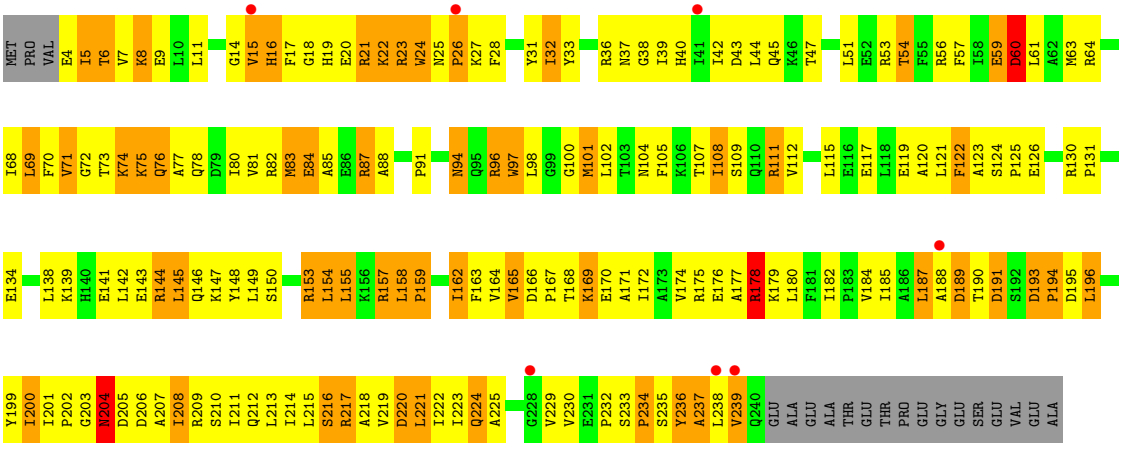


• Molecule 32: 30S RIBOSOMAL PROTEIN S2

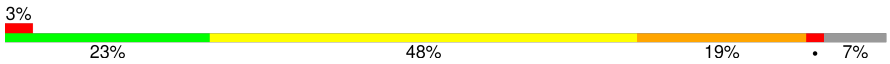
Chain BE:

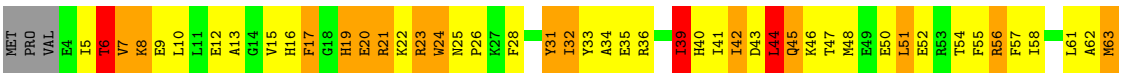


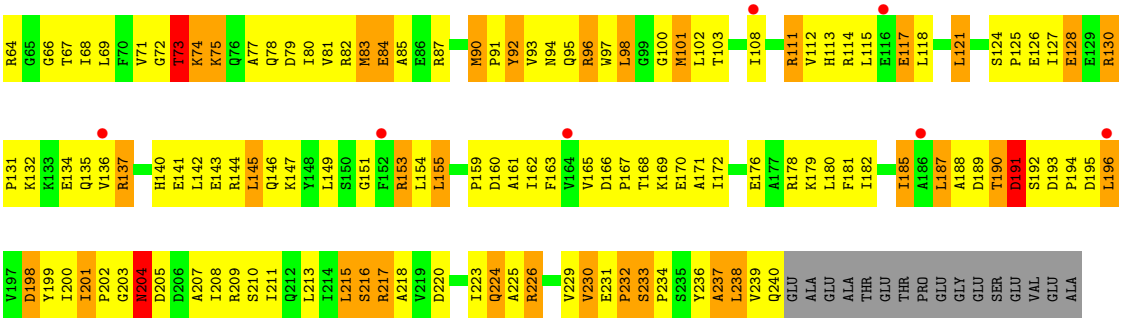


• Molecule 32: 30S RIBOSOMAL PROTEIN S2

Chain CE:

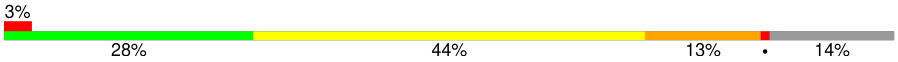


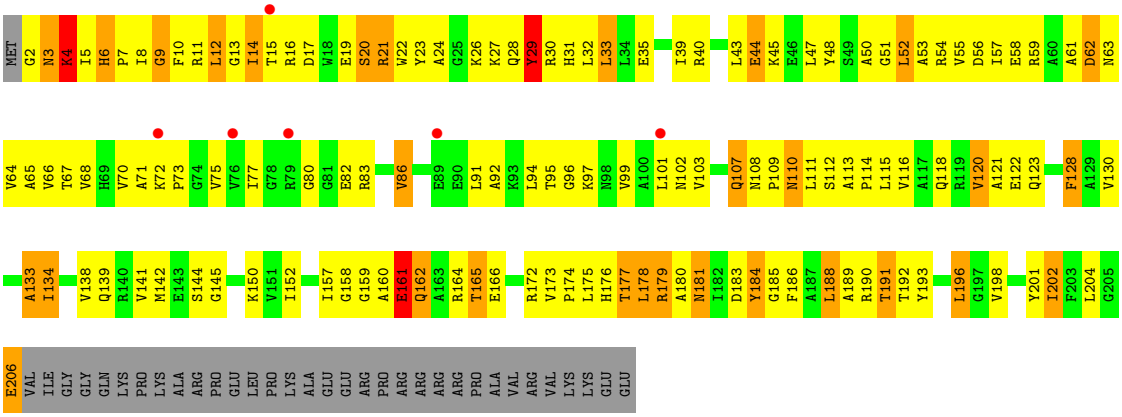




• Molecule 33: 30S RIBOSOMAL PROTEIN S3

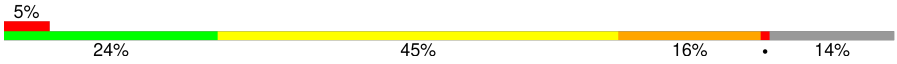
Chain BF:

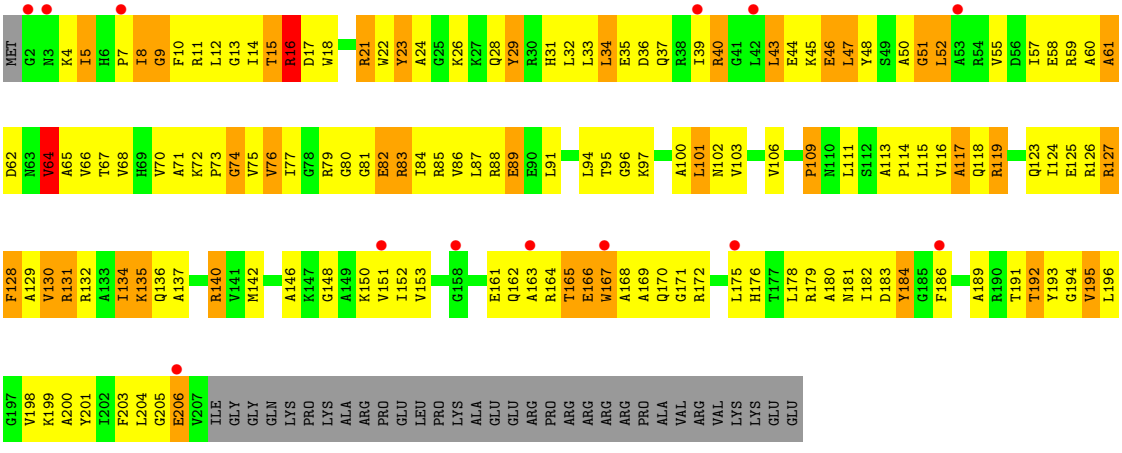




• Molecule 33: 30S RIBOSOMAL PROTEIN S3

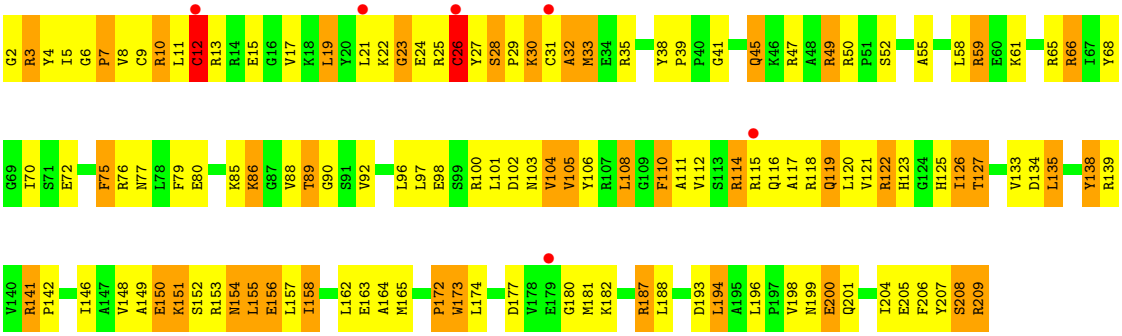
Chain CF:





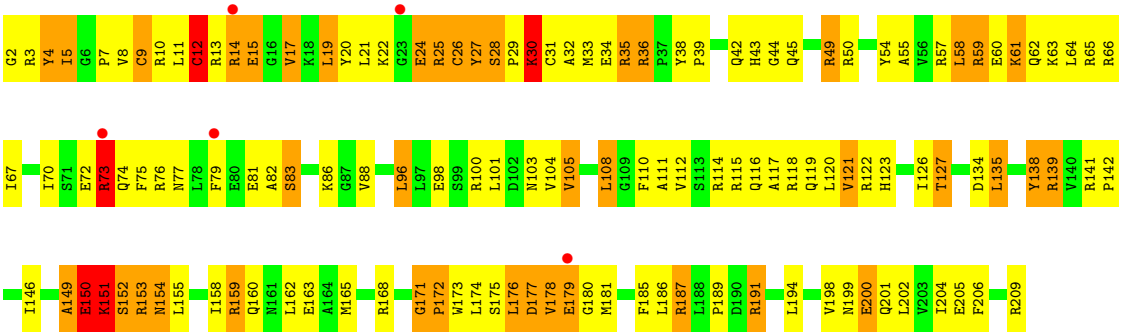
• Molecule 34: 30S RIBOSOMAL PROTEIN S4

Chain BG:



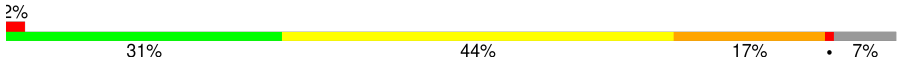
• Molecule 34: 30S RIBOSOMAL PROTEIN S4

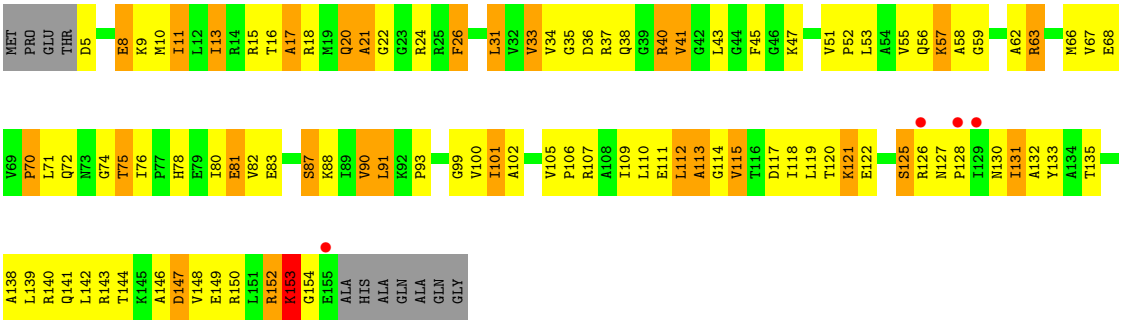
Chain CG:



• Molecule 35: 30S RIBOSOMAL PROTEIN S5

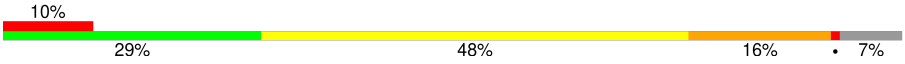
Chain BH:

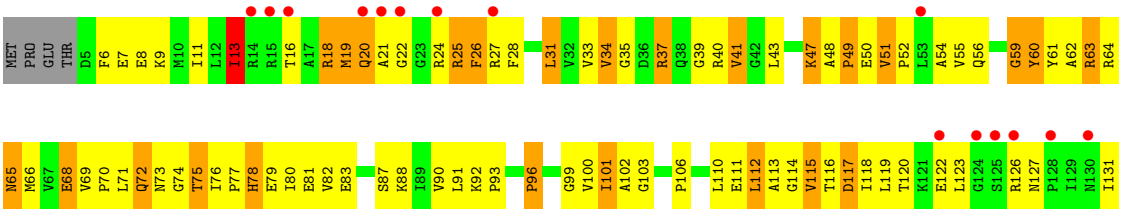


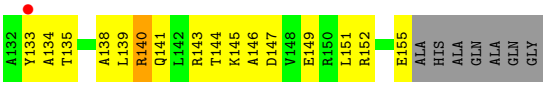


• Molecule 35: 30S RIBOSOMAL PROTEIN S5

Chain CH:

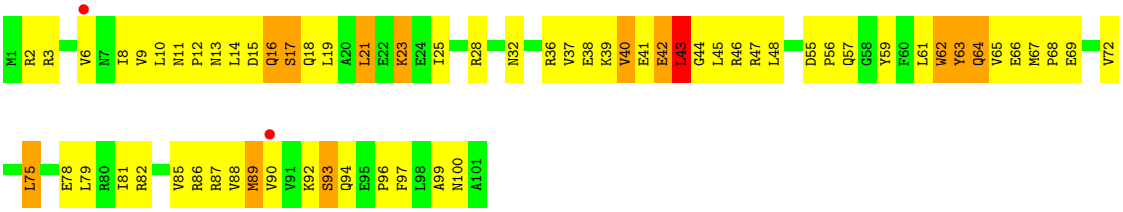






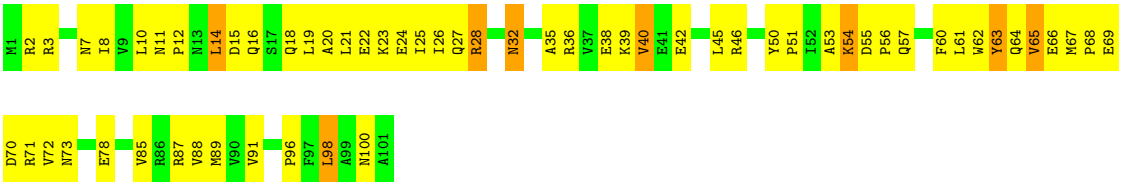
• Molecule 36: 30S RIBOSOMAL PROTEIN S6

Chain BI:



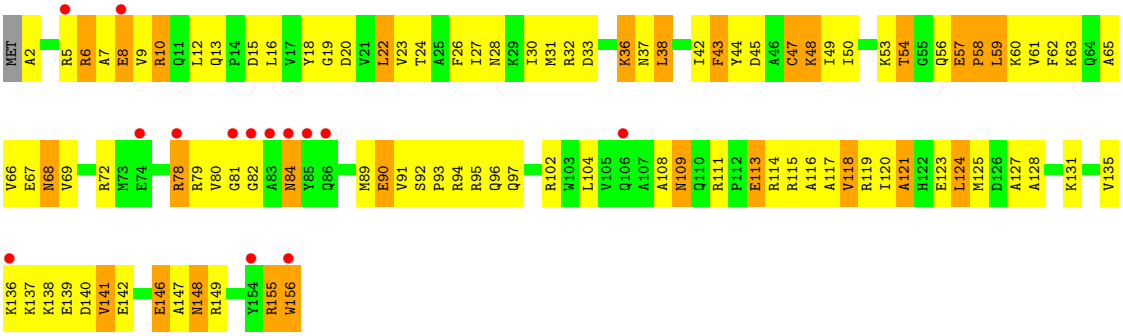
• Molecule 36: 30S RIBOSOMAL PROTEIN S6

Chain CI:



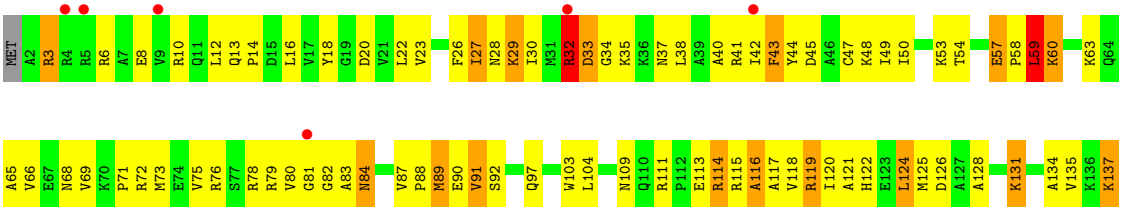
• Molecule 37: 30S RIBOSOMAL PROTEIN S7

Chain BJ:



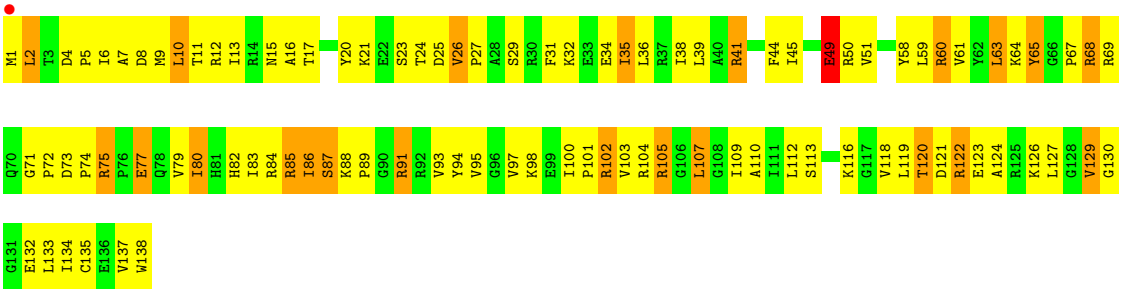
• Molecule 37: 30S RIBOSOMAL PROTEIN S7

Chain CJ:



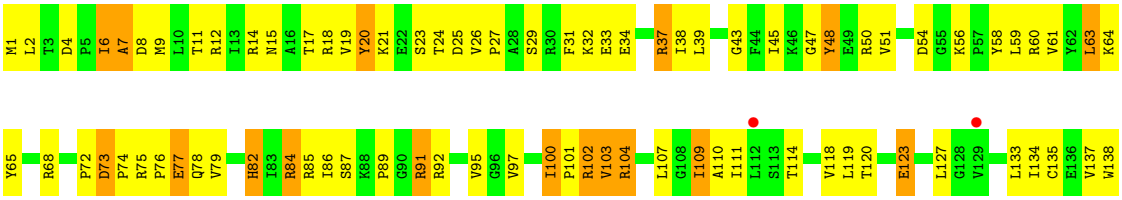
• Molecule 38: 30S RIBOSOMAL PROTEIN S8

Chain BK:



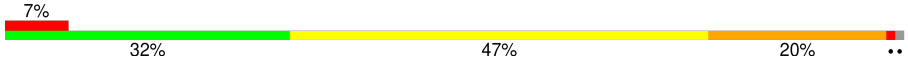
• Molecule 38: 30S RIBOSOMAL PROTEIN S8

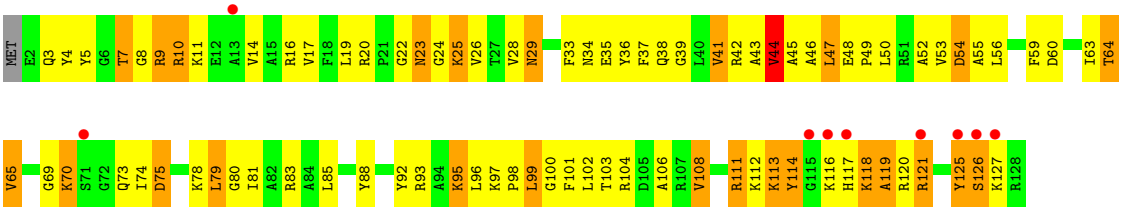
Chain CK:



• Molecule 39: 30S RIBOSOMAL PROTEIN S9

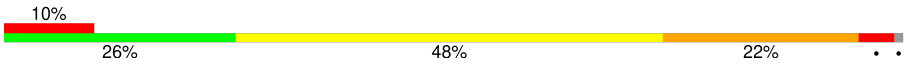
Chain BL:

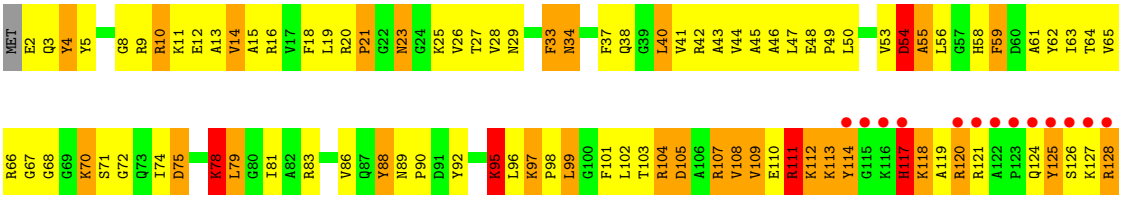




• Molecule 39: 30S RIBOSOMAL PROTEIN S9

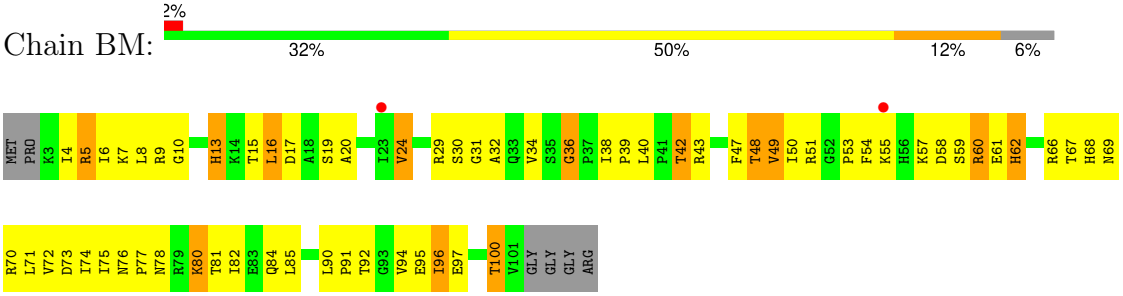
Chain CL:





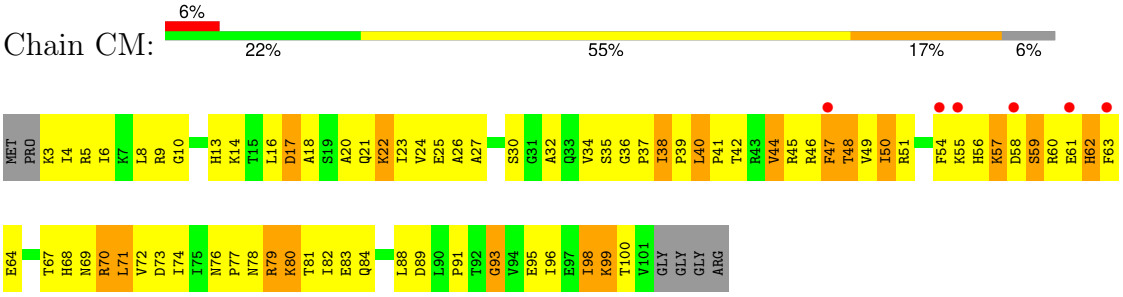
• Molecule 40: 30S RIBOSOMAL PROTEIN S10

Chain BM:



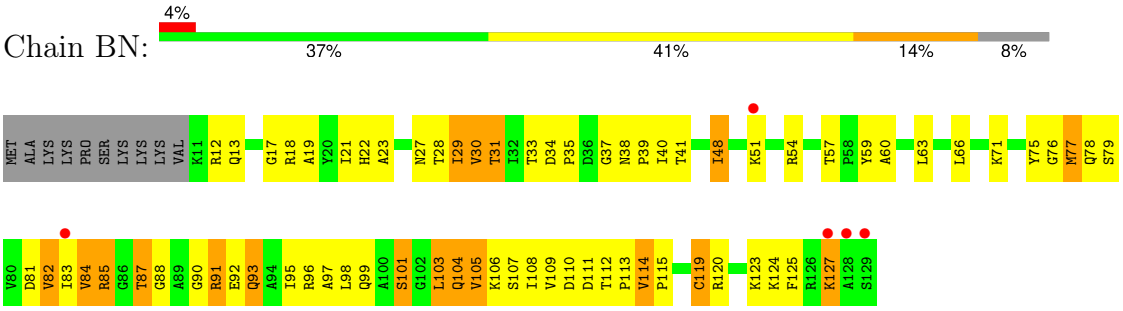
• Molecule 40: 30S RIBOSOMAL PROTEIN S10

Chain CM:



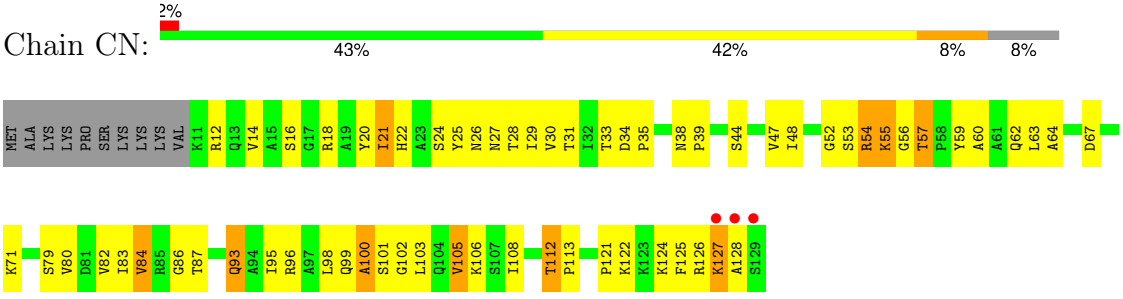
• Molecule 41: 30S RIBOSOMAL PROTEIN S11

Chain BN:



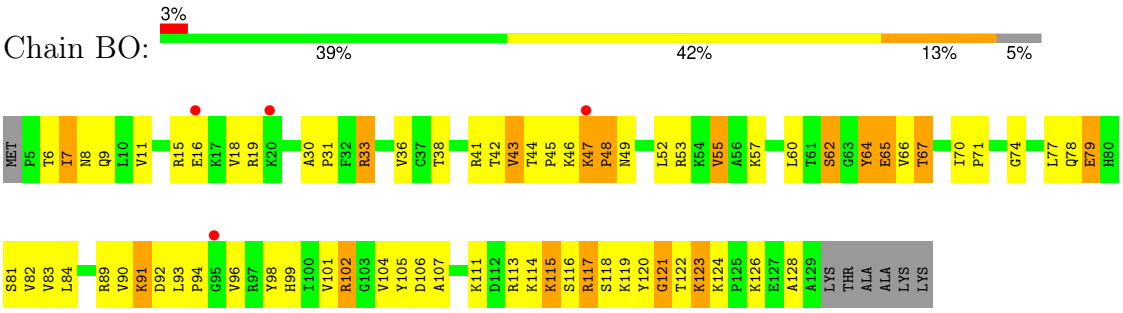
• Molecule 41: 30S RIBOSOMAL PROTEIN S11

Chain CN:



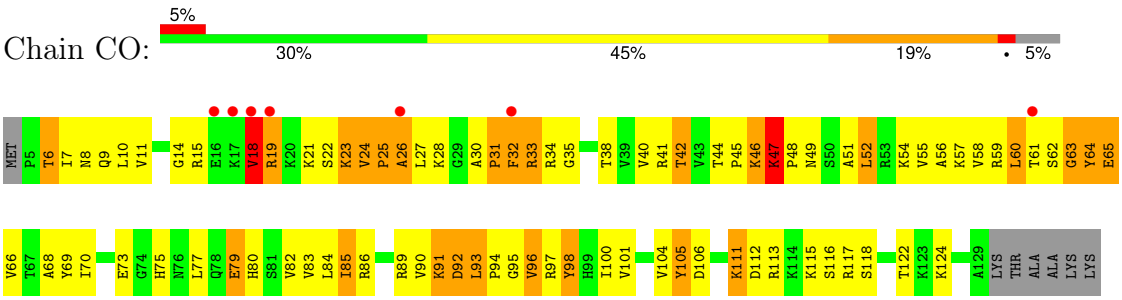
• Molecule 42: 30S RIBOSOMAL PROTEIN S12

Chain BO:



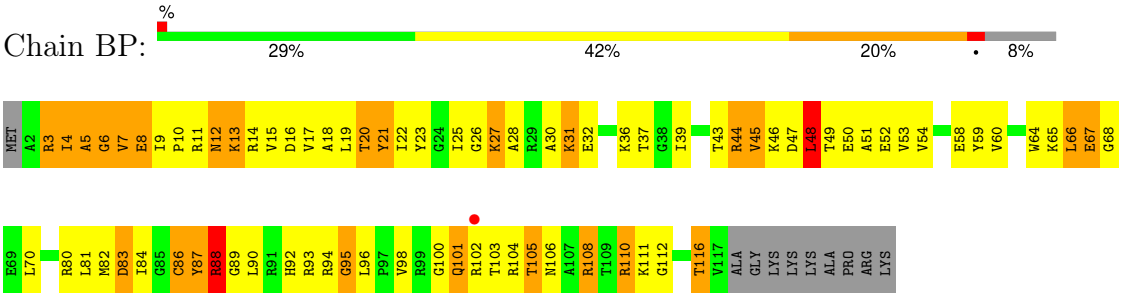
• Molecule 42: 30S RIBOSOMAL PROTEIN S12

Chain CO:



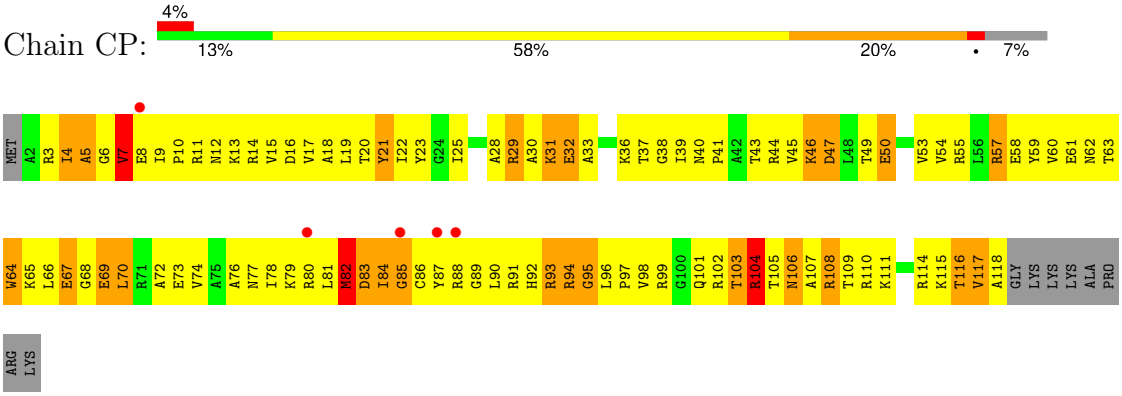
• Molecule 43: 30S RIBOSOMAL PROTEIN S13

Chain BP:



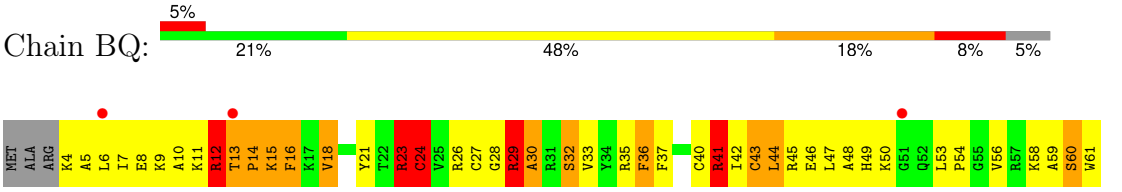
• Molecule 43: 30S RIBOSOMAL PROTEIN S13

Chain CP:



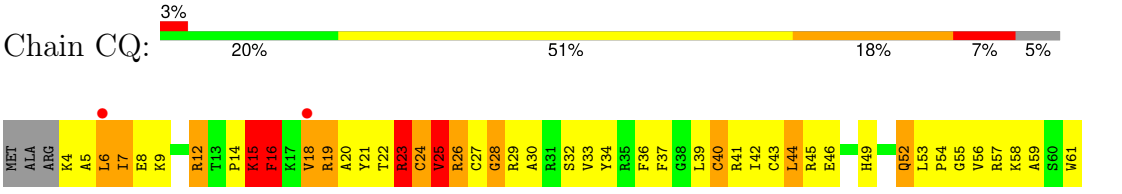
• Molecule 44: 30S RIBOSOMAL PROTEIN S14

Chain BQ:



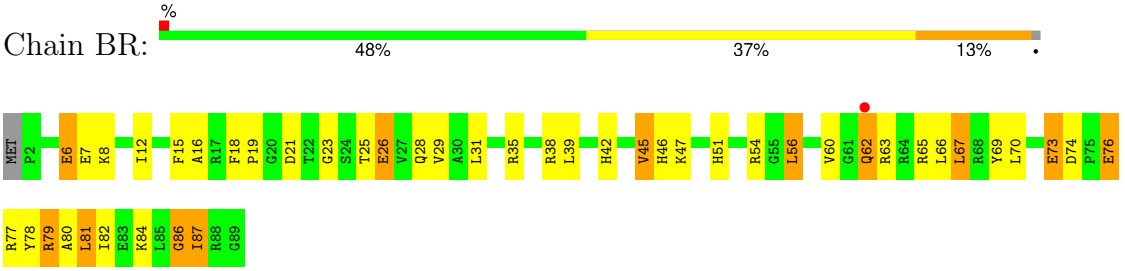
• Molecule 44: 30S RIBOSOMAL PROTEIN S14

Chain CQ:



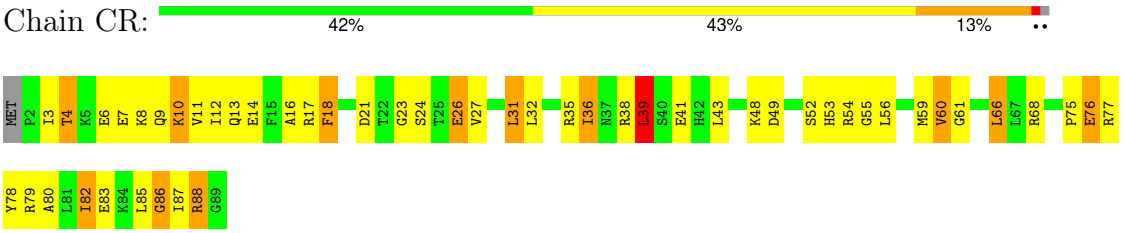
• Molecule 45: 30S RIBOSOMAL PROTEIN S15

Chain BR:



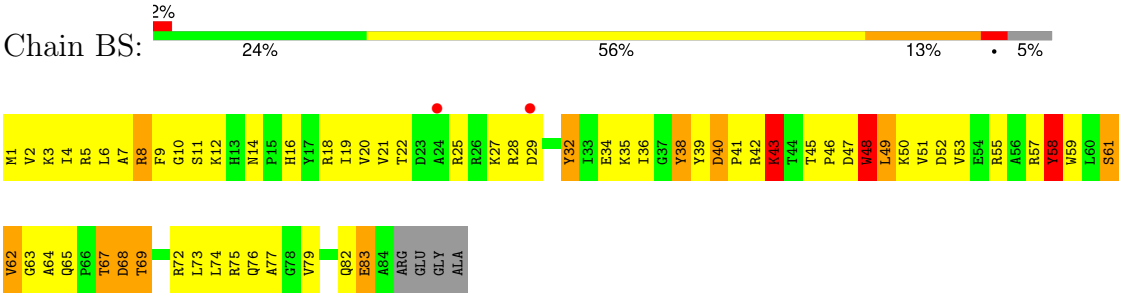
• Molecule 45: 30S RIBOSOMAL PROTEIN S15

Chain CR:



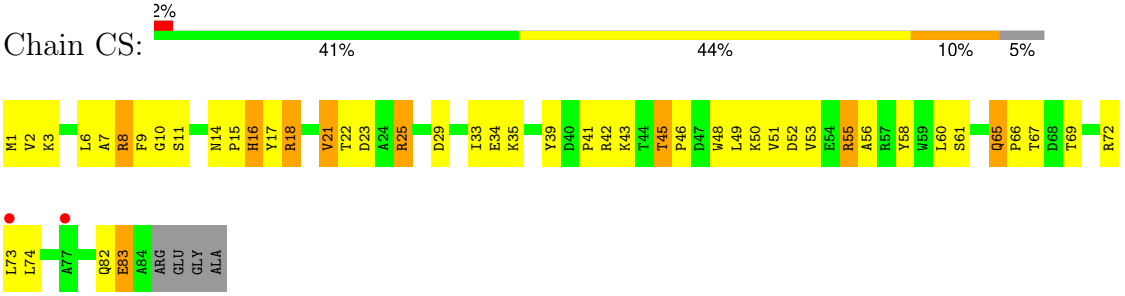
• Molecule 46: 30S RIBOSOMAL PROTEIN S16

Chain BS:



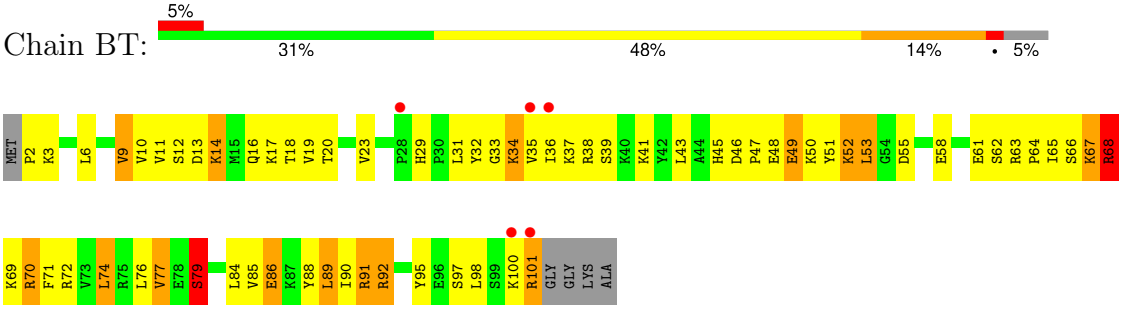
• Molecule 46: 30S RIBOSOMAL PROTEIN S16

Chain CS:



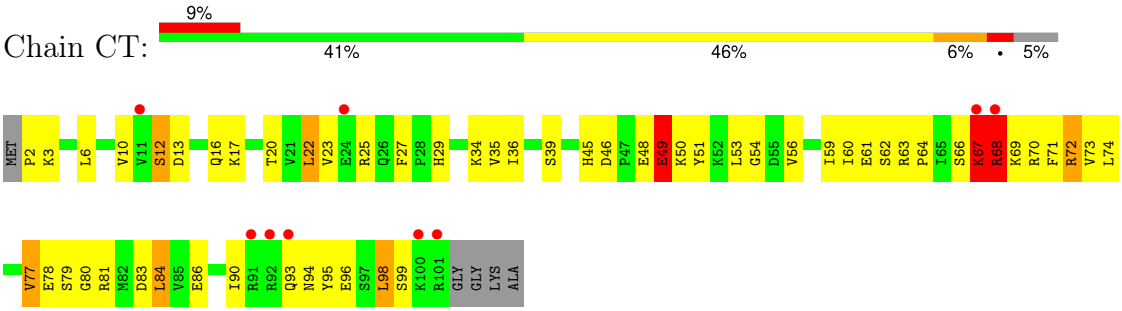
• Molecule 47: 30S RIBOSOMAL PROTEIN S17

Chain BT:



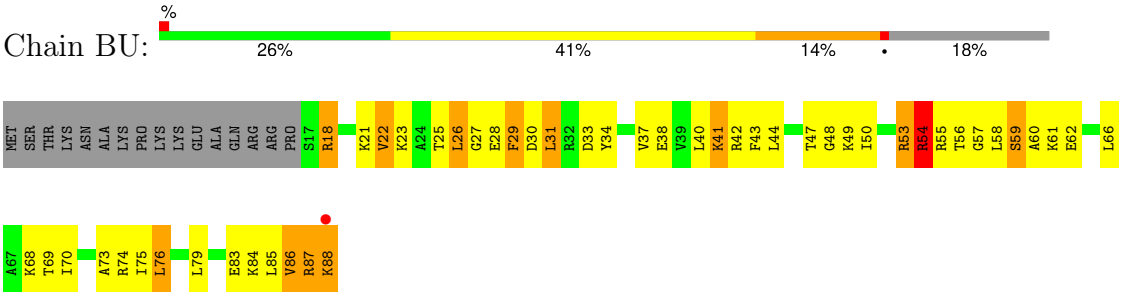
• Molecule 47: 30S RIBOSOMAL PROTEIN S17

Chain CT:



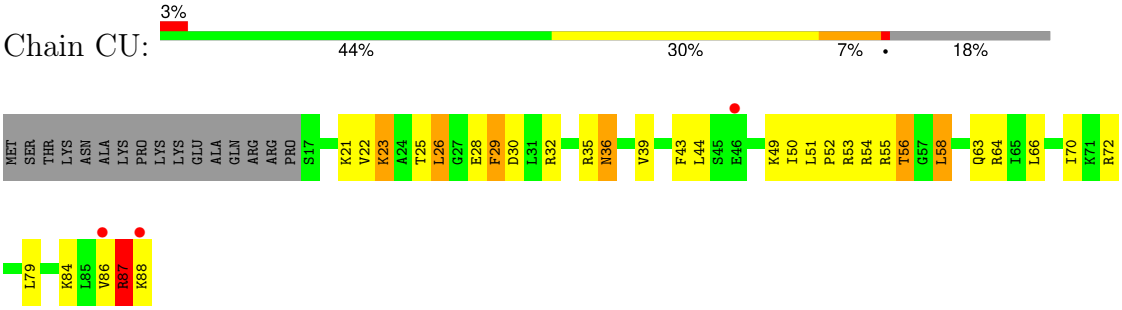
• Molecule 48: 30S RIBOSOMAL PROTEIN S18

Chain BU:



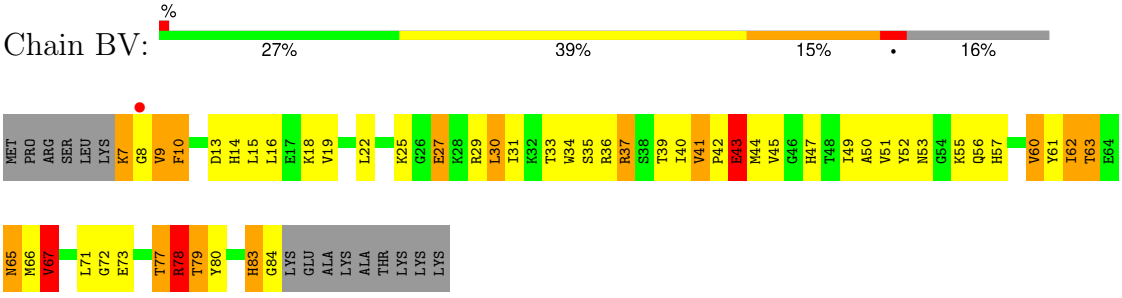
• Molecule 48: 30S RIBOSOMAL PROTEIN S18

Chain CU:



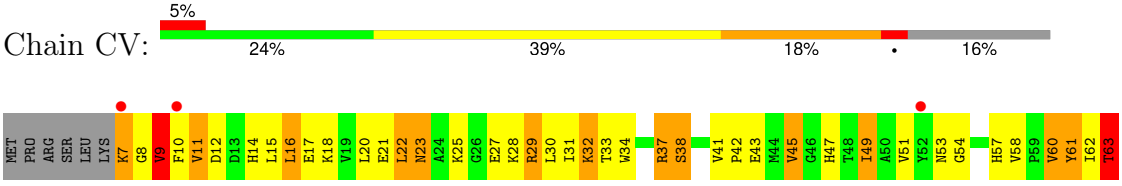
• Molecule 49: 30S RIBOSOMAL PROTEIN S19

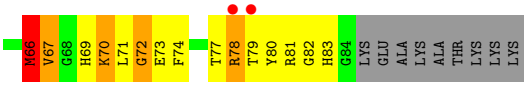
Chain BV:



• Molecule 49: 30S RIBOSOMAL PROTEIN S19

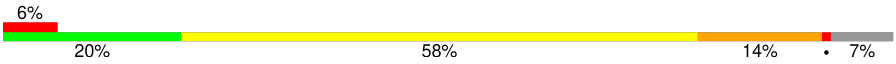
Chain CV:

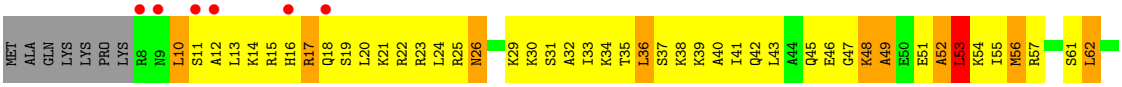




• Molecule 50: 30S RIBOSOMAL PROTEIN S20

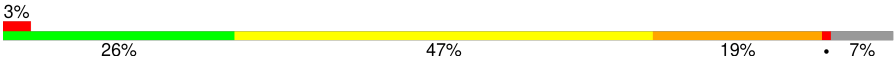
Chain BW:

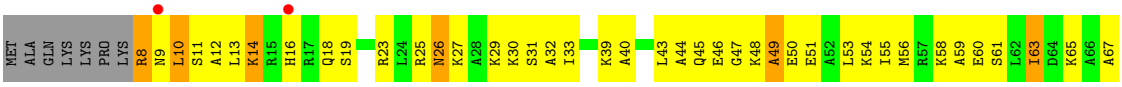


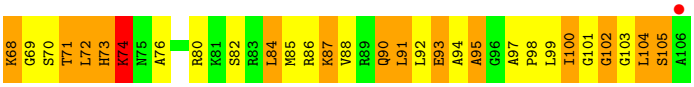


• Molecule 50: 30S RIBOSOMAL PROTEIN S20

Chain CW:

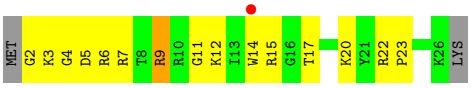






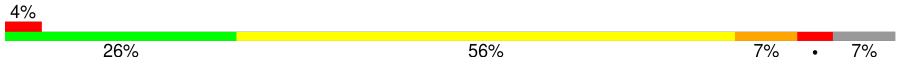
• Molecule 51: 30S RIBOSOMAL PROTEIN THX

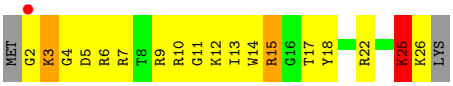
Chain BX:



• Molecule 51: 30S RIBOSOMAL PROTEIN THX

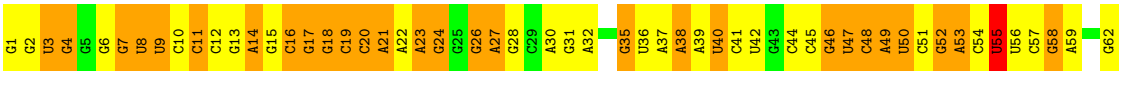
Chain CX:

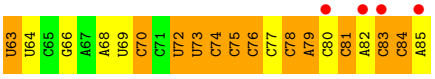




• Molecule 52: TRNA-TYR

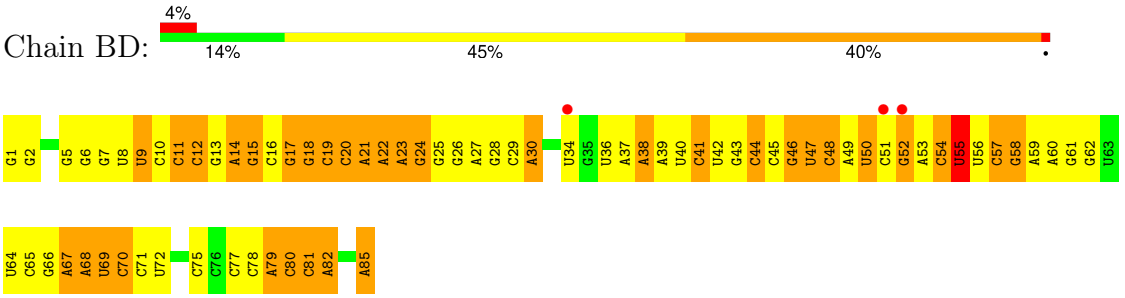
Chain BB:





• Molecule 52: TRNA-TYR

Chain BD:

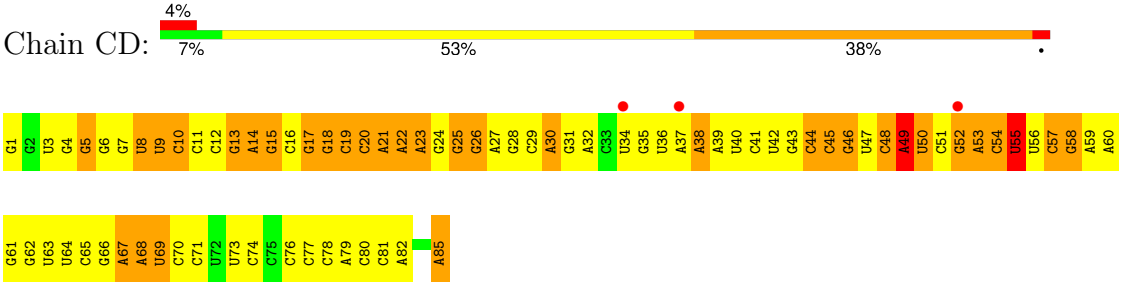


• Molecule 52: TRNA-TYR

Chain CB:

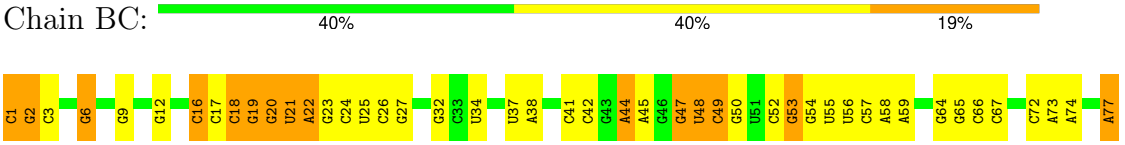
• Molecule 52: TRNA-TYR

Chain CD:



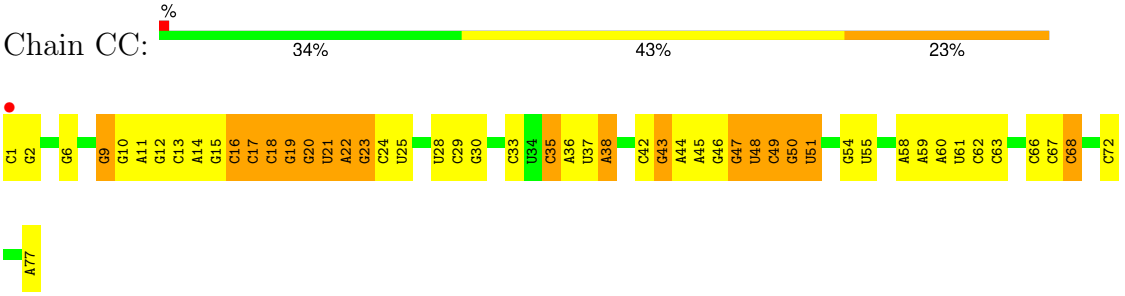
• Molecule 53: TRNA-FMET

Chain BC:



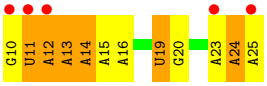
• Molecule 53: TRNA-FMET

Chain CC:



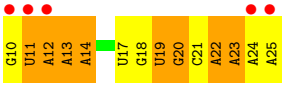
• Molecule 54: MRNA

Chain B1:



• Molecule 54: MRNA

Chain C1:



4 Data and refinement statistics (i)

Property	Value	Source
Space group	P 21 21 21	Depositor
Cell constants a, b, c, α, β, γ	210.00Å 450.33Å 622.86Å 90.00° 90.00° 90.00°	Depositor
Resolution (Å)	152.64 – 3.30 152.64 – 3.30	Depositor EDS
% Data completeness (in resolution range)	99.8 (152.64-3.30) 94.3 (152.64-3.30)	Depositor EDS
R_{merge}	0.41	Depositor
R_{sym}	(Not available)	Depositor
$< I/\sigma(I) >$ [1]	0.57 (at 3.01Å)	Xtriage
Refinement program	PHENIX 1.7.1_743	Depositor
R, R_{free}	0.196 , 0.247 0.200 , 0.246	Depositor DCC
R_{free} test set	1507 reflections (0.17%)	wwPDB-VP
Wilson B-factor (Å^2)	76.1	Xtriage
Anisotropy	0.204	Xtriage
Bulk solvent k_{sol}(e/Å^3), B_{sol}(Å^2)	0.27 , 78.5	EDS
L-test for twinning[2]	$< \|L\| > = 0.44$, $< L^2 > = 0.27$	Xtriage
Estimated twinning fraction	No twinning to report.	Xtriage
F_o,F_c correlation	0.94	EDS
Total number of atoms	304031	wwPDB-VP
Average B, all atoms (Å^2)	112.0	wwPDB-VP

Xtriage's analysis on translational NCS is as follows: *The largest off-origin peak in the Patterson function is 1.35% of the height of the origin peak. No significant pseudotranslation is detected.*

[1] Intensities estimated from amplitudes.

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

5 Model quality (i)

5.1 Standard geometry (i)

Bond lengths and bond angles in the following residue types are not validated in this section: PAR, OHX, MIA, ZN, MG

The Z score for a bond length (or angle) is the number of standard deviations the observed value is removed from the expected value. A bond length (or angle) with $|Z| > 5$ is considered an outlier worth inspection. RMSZ is the root-mean-square of all Z scores of the bond lengths (or angles).

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	#$\|Z\|$ >5	RMSZ	#$\|Z\|$ >5
1	AA	0.73	18/70233 (0.0%)	1.21	496/109643 (0.5%)
1	DA	0.64	9/70122 (0.0%)	1.10	332/109469 (0.3%)
2	AB	0.60	0/2928	1.24	32/4568 (0.7%)
2	DB	0.50	0/2928	1.03	7/4568 (0.2%)
3	AD	0.56	0/2165	0.81	1/2919 (0.0%)
3	DD	0.52	0/2165	0.75	0/2919
4	AE	0.47	0/1601	0.72	0/2160
4	DE	0.45	0/1601	0.67	0/2160
5	AF	0.51	0/1620	0.71	0/2194
5	DF	0.38	0/1662	0.65	0/2249
6	AG	0.36	0/1499	0.60	0/2016
6	DG	0.28	0/1499	0.52	0/2016
7	AH	0.43	0/1332	0.66	0/1802
7	DH	0.29	0/1332	0.53	0/1802
8	AK	0.36	0/1151	0.63	0/1558
8	DK	0.36	0/1151	0.63	0/1558
9	AM	0.43	0/1131	0.66	0/1525
9	DM	0.34	0/1131	0.58	0/1525
10	AN	0.46	0/943	0.65	0/1269
10	DN	0.42	0/943	0.63	1/1269 (0.1%)
11	AO	0.44	0/1162	0.81	1/1544 (0.1%)
11	DO	0.32	0/1162	0.57	1/1544 (0.1%)
12	AP	0.45	0/1143	0.63	0/1527
12	DP	0.33	0/1143	0.54	0/1527
13	A0	0.42	0/982	0.67	0/1312
13	D0	0.40	0/974	0.66	0/1302
14	AQ	0.45	0/892	0.72	0/1187
14	DQ	0.33	0/892	0.60	0/1187
15	AR	0.46	0/1155	0.66	0/1542
15	DR	0.41	0/1155	0.61	0/1542
16	A1	0.47	0/982	0.72	0/1306
16	D1	0.37	0/982	0.57	0/1306

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	#|Z| >5	RMSZ	#|Z| >5
17	A2	0.41	0/790	0.71	1/1057 (0.1%)
17	D2	0.32	0/790	0.60	1/1057 (0.1%)
18	AS	0.46	0/911	0.68	0/1220
18	DS	0.44	0/911	0.62	0/1220
19	AT	0.60	1/739 (0.1%)	0.69	0/993
19	DT	0.48	0/739	0.63	0/993
20	AU	0.50	0/798	0.69	0/1064
20	DU	0.42	0/798	0.65	0/1064
21	AV	0.37	0/1427	0.62	1/1935 (0.1%)
21	DV	0.29	0/1460	0.53	0/1982
22	A3	0.49	0/615	0.72	0/819
22	D3	0.41	0/621	0.66	0/827
23	AZ	0.46	0/770	0.70	0/1022
23	DZ	0.44	0/770	0.69	0/1022
24	AW	0.52	0/560	0.75	1/741 (0.1%)
24	DW	0.40	0/560	0.59	0/741
25	AX	0.41	0/474	0.57	0/635
25	DX	0.33	0/474	0.55	0/635
26	A4	0.39	0/545	0.61	1/733 (0.1%)
26	D4	0.34	0/527	0.62	0/709
27	A5	0.44	0/473	0.65	0/639
27	D5	0.41	0/473	0.65	0/639
28	A6	0.48	0/396	0.64	0/529
28	D6	0.45	0/396	0.67	0/529
29	A7	0.57	0/399	0.76	0/526
29	D7	0.50	0/399	0.69	0/526
30	A8	0.55	0/486	0.81	0/638
30	D8	0.42	0/486	0.65	1/638 (0.2%)
31	BA	0.54	0/36139	1.02	97/56406 (0.2%)
31	CA	0.50	0/36142	0.96	59/56410 (0.1%)
32	BE	0.30	0/1959	0.53	0/2642
32	CE	0.28	0/1959	0.52	0/2642
33	BF	0.34	0/1629	0.53	0/2195
33	CF	0.29	0/1636	0.51	0/2205
34	BG	0.44	2/1733 (0.1%)	0.60	1/2318 (0.0%)
34	CG	0.38	0/1733	0.59	1/2318 (0.0%)
35	BH	0.39	0/1171	0.60	0/1576
35	CH	0.36	0/1171	0.58	0/1576
36	BI	0.37	0/856	0.56	0/1154
36	CI	0.36	0/856	0.56	0/1154
37	BJ	0.33	0/1276	0.52	0/1709
37	CJ	0.30	0/1276	0.50	0/1709
38	BK	0.35	0/1136	0.60	0/1527

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	#|Z| >5	RMSZ	#|Z| >5
38	CK	0.30	0/1136	0.54	0/1527
39	BL	0.29	0/1029	0.52	0/1379
39	CL	0.30	0/1029	0.53	0/1379
40	BM	0.32	0/814	0.57	0/1095
40	CM	0.30	0/814	0.55	0/1095
41	BN	0.35	0/900	0.58	0/1213
41	CN	0.35	0/900	0.56	0/1213
42	BO	0.46	0/991	0.71	0/1327
42	CO	0.38	0/991	0.65	0/1327
43	BP	0.35	0/938	0.59	0/1258
43	CP	0.28	0/943	0.52	0/1265
44	BQ	0.44	1/485 (0.2%)	0.67	1/643 (0.2%)
44	CQ	0.31	0/485	0.55	0/643
45	BR	0.38	0/745	0.61	0/992
45	CR	0.36	0/745	0.56	1/992 (0.1%)
46	BS	0.31	0/721	0.56	0/970
46	CS	0.34	0/721	0.58	0/970
47	BT	0.38	0/847	0.57	0/1131
47	CT	0.35	0/847	0.53	0/1131
48	BU	0.36	0/596	0.63	0/790
48	CU	0.36	0/596	0.57	0/790
49	BV	0.32	0/638	0.56	0/860
49	CV	0.31	0/638	0.56	0/860
50	BW	0.30	0/765	0.57	0/1007
50	CW	0.33	0/765	0.58	0/1007
51	BX	0.32	0/221	0.52	0/288
51	CX	0.33	0/221	0.53	0/288
52	BB	0.76	0/1992	0.98	2/3099 (0.1%)
52	BD	0.65	0/1992	0.90	3/3099 (0.1%)
52	CB	0.85	0/1992	0.94	6/3099 (0.2%)
52	CD	0.67	0/1992	0.88	6/3099 (0.2%)
53	BC	0.50	0/1835	0.94	6/2859 (0.2%)
53	CC	0.46	0/1835	0.91	1/2859 (0.0%)
54	B1	0.72	0/390	0.91	1/606 (0.2%)
54	C1	0.71	0/390	0.89	0/606
All	All	0.58	31/324159 (0.0%)	0.99	1062/485455 (0.2%)

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
3	AD	0	3
3	DD	0	1
4	AE	0	1
5	AF	0	1
5	DF	0	1
7	AH	0	1
8	AK	0	1
8	DK	0	1
11	AO	0	1
11	DO	0	1
24	AW	0	1
30	A8	0	1
30	D8	0	1
42	BO	0	1
All	All	0	16

The worst 5 of 31 bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	AA	774	A	N9-C4	-9.44	1.32	1.37
1	DA	1342	A	N7-C5	-8.92	1.33	1.39
1	DA	783	A	N9-C4	-8.89	1.32	1.37
1	DA	2873	A	N7-C5	-8.61	1.34	1.39
34	BG	12	CYS	CB-SG	7.57	1.95	1.82

The worst 5 of 1062 bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	DA	1899	G	N3-C4-N9	-16.88	115.87	126.00
1	AA	1899	G	N3-C4-N9	-14.54	117.28	126.00
1	AA	774	A	C2-N3-C4	-14.31	103.44	110.60
2	AB	81	G	C6-C5-N7	-14.19	121.89	130.40
1	AA	783	A	C5-N7-C8	-13.92	96.94	103.90

There are no chirality outliers.

5 of 16 planarity outliers are listed below:

Mol	Chain	Res	Type	Group
3	AD	197	GLY	Peptide
3	AD	27	THR	Peptide
3	AD	47	GLY	Peptide
4	AE	20	ALA	Peptide

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Mol	Chain	Res	Type	Group
5	AF	47	GLY	Peptide

5.2 Too-close contacts (i)

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

Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
1	AA	62707	0	31614	2894	0
1	DA	62607	0	31564	2901	0
2	AB	2617	0	1328	138	0
2	DB	2617	0	1328	161	0
3	AD	2115	0	2195	271	0
3	DD	2115	0	2195	239	0
4	AE	1568	0	1634	208	0
4	DE	1568	0	1634	214	0
5	AF	1585	0	1632	178	0
5	DF	1627	0	1680	236	0
6	AG	1474	0	1535	158	0
6	DG	1474	0	1535	164	0
7	AH	1307	0	1382	173	0
7	DH	1307	0	1382	136	1
8	AK	1136	0	1223	123	0
8	DK	1136	0	1223	107	0
9	AM	1104	0	1180	134	0
9	DM	1104	0	1180	145	0
10	AN	933	0	996	64	0
10	DN	933	0	996	75	0
11	AO	1145	0	1228	239	0
11	DO	1145	0	1227	311	0
12	AP	1122	0	1179	189	0
12	DP	1122	0	1179	188	0
13	A0	968	0	1033	129	0
13	D0	960	0	1021	94	0
14	AQ	882	0	943	123	0
14	DQ	882	0	943	137	0
15	AR	1141	0	1202	115	0
15	DR	1141	0	1202	128	0
16	A1	964	0	1022	120	0
16	D1	964	0	1019	158	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
17	A2	779	0	852	101	0
17	D2	779	0	852	135	0
18	AS	900	0	964	95	0
18	DS	900	0	964	72	0
19	AT	725	0	778	65	0
19	DT	725	0	778	99	0
20	AU	785	0	878	101	0
20	DU	785	0	878	133	0
21	AV	1397	0	1430	168	0
21	DV	1428	0	1454	184	0
22	A3	607	0	628	63	0
22	D3	613	0	633	68	0
23	AZ	763	0	848	71	0
23	DZ	763	0	848	53	0
24	AW	558	0	610	39	0
24	DW	558	0	610	55	0
25	AX	469	0	518	37	0
25	DX	469	0	518	39	0
26	A4	533	0	522	88	0
26	D4	515	0	510	90	0
27	A5	459	0	480	87	0
27	D5	459	0	478	52	0
28	A6	389	0	404	56	0
28	D6	389	0	404	64	0
29	A7	391	0	432	41	0
29	D7	391	0	432	37	0
30	A8	480	0	549	131	0
30	D8	480	0	549	130	0
31	BA	32284	0	16296	1832	1
31	CA	32287	0	16295	1769	0
32	BE	1924	0	1975	195	0
32	CE	1924	0	1975	225	0
33	BF	1605	0	1668	134	0
33	CF	1612	0	1677	179	0
34	BG	1703	0	1763	175	0
34	CG	1703	0	1763	186	0
35	BH	1155	0	1213	115	0
35	CH	1155	0	1213	116	0
36	BI	843	0	857	70	0
36	CI	843	0	857	53	0
37	BJ	1257	0	1296	107	0
37	CJ	1257	0	1296	106	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
38	BK	1116	0	1177	113	0
38	CK	1116	0	1177	79	0
39	BL	1010	0	1037	110	0
39	CL	1010	0	1037	156	0
40	BM	801	0	849	94	0
40	CM	801	0	849	130	0
41	BN	885	0	904	65	0
41	CN	885	0	904	71	0
42	BO	975	0	1062	65	0
42	CO	975	0	1062	123	0
43	BP	928	0	987	106	0
43	CP	933	0	992	134	0
44	BQ	476	0	511	58	0
44	CQ	476	0	512	79	0
45	BR	734	0	771	47	0
45	CR	734	0	771	51	0
46	BS	705	0	725	77	0
46	CS	705	0	725	52	0
47	BT	834	0	904	84	0
47	CT	834	0	904	58	0
48	BU	591	0	662	61	0
48	CU	591	0	662	38	0
49	BV	624	0	636	72	0
49	CV	624	0	636	83	0
50	BW	763	0	861	97	0
50	CW	763	0	861	82	0
51	BX	217	0	234	16	0
51	CX	217	0	234	22	0
52	BB	1814	0	931	140	0
52	BD	1814	0	932	148	0
52	CB	1814	0	931	149	0
52	CD	1814	0	932	156	0
53	BC	1643	0	837	55	0
53	CC	1643	0	837	79	0
54	B1	347	0	174	20	0
54	C1	347	0	174	48	0
55	A0	1	0	0	0	0
55	A1	2	0	0	0	0
55	A3	1	0	0	0	0
55	A5	1	0	0	0	0
55	A7	1	0	0	0	0
55	AA	332	0	0	0	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
55	AB	6	0	0	0	0
55	AE	3	0	0	0	0
55	AF	2	0	0	0	0
55	AO	1	0	0	0	0
55	B1	1	0	0	0	0
55	BA	114	0	0	0	0
55	BB	13	0	0	0	0
55	BC	4	0	0	0	0
55	BD	1	0	0	0	0
55	BF	1	0	0	0	0
55	BS	1	0	0	0	0
55	BW	1	0	0	0	0
55	C1	2	0	0	0	0
55	CA	121	0	0	0	0
55	CB	3	0	0	0	0
55	CC	7	0	0	0	0
55	CN	1	0	0	0	0
55	D0	1	0	0	0	0
55	D5	1	0	0	0	0
55	D7	1	0	0	0	0
55	DA	272	0	0	0	0
55	DB	7	0	0	0	0
55	DE	1	0	0	0	0
56	A1	14	0	0	0	0
56	A3	7	0	0	1	0
56	A6	7	0	0	1	0
56	AA	1659	0	0	140	0
56	AB	91	0	0	6	0
56	AE	7	0	0	0	0
56	AF	7	0	0	3	0
56	AO	14	0	0	2	0
56	AW	7	0	0	0	0
56	BA	693	0	0	66	0
56	BB	14	0	0	0	0
56	BC	21	0	0	2	0
56	BD	21	0	0	1	0
56	BG	7	0	0	2	0
56	BL	7	0	0	0	0
56	BR	7	0	0	0	0
56	CA	651	0	0	83	0
56	CB	21	0	0	2	0
56	CC	21	0	0	7	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
56	CD	7	0	0	1	0
56	CK	7	0	0	1	0
56	CR	7	0	0	0	0
56	CV	7	0	0	1	0
56	D1	7	0	0	0	0
56	D3	7	0	0	1	0
56	D5	7	0	0	1	0
56	D8	7	0	0	5	0
56	DA	1533	0	0	128	0
56	DB	91	0	0	6	0
56	DF	7	0	0	1	0
56	DO	7	0	0	0	0
57	BA	42	0	45	3	0
57	CA	42	0	45	1	0
58	BG	1	0	0	0	0
58	BQ	1	0	0	0	0
58	CG	1	0	0	0	0
58	CQ	1	0	0	0	0
All	All	304031	0	201063	19321	1

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 38.

The worst 5 of 19321 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)
11:DO:71:VAL:CG1	11:DO:72:PRO:HD3	1.34	1.57
30:A8:34:TRP:CB	30:A8:35:GLN:HB2	1.34	1.53
20:DU:89:PHE:CE1	20:DU:90:LEU:HG	1.40	1.50
9:DM:17:ASP:HA	9:DM:55:VAL:CG2	1.36	1.49
27:D5:4:HIS:HB3	27:D5:5:PRO:CD	1.40	1.48

All (1) symmetry-related close contacts are listed below. The label for Atom-2 includes the symmetry operator and encoded unit-cell translations to be applied.

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
31:BA:85:U:O2'	7:DH:100:GLY:O[3_555]	1.86	0.34

5.3 Torsion angles (i)

5.3.1 Protein backbone (i)

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

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

Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles
3	AD	270/276 (98%)	208 (77%)	45 (17%)	17 (6%)	1 8
3	DD	270/276 (98%)	226 (84%)	31 (12%)	13 (5%)	2 12
4	AE	203/206 (98%)	138 (68%)	33 (16%)	32 (16%)	0 1
4	DE	203/206 (98%)	128 (63%)	34 (17%)	41 (20%)	0 0
5	AF	200/210 (95%)	153 (76%)	28 (14%)	19 (10%)	0 3
5	DF	206/210 (98%)	133 (65%)	46 (22%)	27 (13%)	0 1
6	AG	179/182 (98%)	127 (71%)	36 (20%)	16 (9%)	0 4
6	DG	179/182 (98%)	128 (72%)	30 (17%)	21 (12%)	0 1
7	AH	168/180 (93%)	111 (66%)	25 (15%)	32 (19%)	0 0
7	DH	168/180 (93%)	92 (55%)	52 (31%)	24 (14%)	0 1
8	AK	144/148 (97%)	75 (52%)	44 (31%)	25 (17%)	0 1
8	DK	144/148 (97%)	98 (68%)	27 (19%)	19 (13%)	0 1
9	AM	136/140 (97%)	96 (71%)	21 (15%)	19 (14%)	0 1
9	DM	136/140 (97%)	98 (72%)	21 (15%)	17 (12%)	0 1
10	AN	120/122 (98%)	101 (84%)	15 (12%)	4 (3%)	3 19
10	DN	120/122 (98%)	97 (81%)	15 (12%)	8 (7%)	1 7
11	AO	148/150 (99%)	91 (62%)	29 (20%)	28 (19%)	0 0
11	DO	148/150 (99%)	83 (56%)	21 (14%)	44 (30%)	0 0
12	AP	139/141 (99%)	93 (67%)	27 (19%)	19 (14%)	0 1
12	DP	139/141 (99%)	88 (63%)	29 (21%)	22 (16%)	0 1
13	A0	116/118 (98%)	86 (74%)	21 (18%)	9 (8%)	1 5
13	D0	115/118 (98%)	83 (72%)	18 (16%)	14 (12%)	0 1
14	AQ	109/112 (97%)	74 (68%)	26 (24%)	9 (8%)	0 5
14	DQ	109/112 (97%)	60 (55%)	32 (29%)	17 (16%)	0 1
15	AR	135/146 (92%)	101 (75%)	19 (14%)	15 (11%)	0 2

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles
15	DR	135/146 (92%)	101 (75%)	23 (17%)	11 (8%)	1 5
16	A1	115/118 (98%)	82 (71%)	19 (16%)	14 (12%)	0 1
16	D1	115/118 (98%)	73 (64%)	29 (25%)	13 (11%)	0 2
17	A2	99/101 (98%)	81 (82%)	10 (10%)	8 (8%)	1 5
17	D2	99/101 (98%)	64 (65%)	19 (19%)	16 (16%)	0 1
18	AS	111/113 (98%)	94 (85%)	13 (12%)	4 (4%)	3 18
18	DS	111/113 (98%)	89 (80%)	13 (12%)	9 (8%)	1 5
19	AT	90/96 (94%)	78 (87%)	8 (9%)	4 (4%)	2 14
19	DT	90/96 (94%)	67 (74%)	15 (17%)	8 (9%)	0 4
20	AU	100/110 (91%)	65 (65%)	18 (18%)	17 (17%)	0 1
20	DU	100/110 (91%)	56 (56%)	18 (18%)	26 (26%)	0 0
21	AV	173/206 (84%)	105 (61%)	42 (24%)	26 (15%)	0 1
21	DV	177/206 (86%)	100 (56%)	35 (20%)	42 (24%)	0 0
22	A3	74/85 (87%)	58 (78%)	11 (15%)	5 (7%)	1 7
22	D3	75/85 (88%)	54 (72%)	15 (20%)	6 (8%)	1 5
23	AZ	95/98 (97%)	75 (79%)	14 (15%)	6 (6%)	1 8
23	DZ	95/98 (97%)	72 (76%)	12 (13%)	11 (12%)	0 2
24	AW	64/72 (89%)	55 (86%)	3 (5%)	6 (9%)	0 3
24	DW	64/72 (89%)	46 (72%)	11 (17%)	7 (11%)	0 2
25	AX	57/60 (95%)	47 (82%)	8 (14%)	2 (4%)	3 19
25	DX	57/60 (95%)	44 (77%)	9 (16%)	4 (7%)	1 7
26	A4	64/71 (90%)	33 (52%)	14 (22%)	17 (27%)	0 0
26	D4	61/71 (86%)	23 (38%)	12 (20%)	26 (43%)	0 0
27	A5	57/60 (95%)	39 (68%)	10 (18%)	8 (14%)	0 1
27	D5	57/60 (95%)	44 (77%)	7 (12%)	6 (10%)	0 2
28	A6	43/54 (80%)	21 (49%)	13 (30%)	9 (21%)	0 0
28	D6	43/54 (80%)	23 (54%)	9 (21%)	11 (26%)	0 0
29	A7	43/49 (88%)	41 (95%)	0	2 (5%)	2 13
29	D7	43/49 (88%)	38 (88%)	3 (7%)	2 (5%)	2 13
30	A8	58/65 (89%)	39 (67%)	11 (19%)	8 (14%)	0 1
30	D8	58/65 (89%)	40 (69%)	8 (14%)	10 (17%)	0 1

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles
32	BE	235/256 (92%)	155 (66%)	44 (19%)	36 (15%)	0 1
32	CE	235/256 (92%)	152 (65%)	49 (21%)	34 (14%)	0 1
33	BF	203/239 (85%)	137 (68%)	47 (23%)	19 (9%)	0 3
33	CF	204/239 (85%)	124 (61%)	55 (27%)	25 (12%)	0 1
34	BG	206/208 (99%)	152 (74%)	34 (16%)	20 (10%)	0 3
34	CG	206/208 (99%)	152 (74%)	31 (15%)	23 (11%)	0 2
35	BH	149/162 (92%)	115 (77%)	26 (17%)	8 (5%)	1 10
35	CH	149/162 (92%)	115 (77%)	25 (17%)	9 (6%)	1 9
36	BI	99/101 (98%)	71 (72%)	23 (23%)	5 (5%)	1 11
36	CI	99/101 (98%)	85 (86%)	12 (12%)	2 (2%)	6 28
37	BJ	153/156 (98%)	111 (72%)	32 (21%)	10 (6%)	1 8
37	CJ	153/156 (98%)	118 (77%)	22 (14%)	13 (8%)	0 4
38	BK	136/138 (99%)	105 (77%)	24 (18%)	7 (5%)	1 11
38	CK	136/138 (99%)	100 (74%)	24 (18%)	12 (9%)	0 4
39	BL	125/128 (98%)	89 (71%)	25 (20%)	11 (9%)	0 4
39	CL	125/128 (98%)	80 (64%)	29 (23%)	16 (13%)	0 1
40	BM	97/105 (92%)	76 (78%)	20 (21%)	1 (1%)	13 42
40	CM	97/105 (92%)	73 (75%)	19 (20%)	5 (5%)	1 11
41	BN	117/129 (91%)	85 (73%)	24 (20%)	8 (7%)	1 7
41	CN	117/129 (91%)	93 (80%)	19 (16%)	5 (4%)	2 14
42	BO	123/132 (93%)	93 (76%)	18 (15%)	12 (10%)	0 3
42	CO	123/132 (93%)	79 (64%)	27 (22%)	17 (14%)	0 1
43	BP	114/126 (90%)	69 (60%)	27 (24%)	18 (16%)	0 1
43	CP	115/126 (91%)	71 (62%)	24 (21%)	20 (17%)	0 1
44	BQ	56/61 (92%)	38 (68%)	5 (9%)	13 (23%)	0 0
44	CQ	56/61 (92%)	32 (57%)	13 (23%)	11 (20%)	0 0
45	BR	86/89 (97%)	62 (72%)	19 (22%)	5 (6%)	1 9
45	CR	86/89 (97%)	72 (84%)	11 (13%)	3 (4%)	3 19
46	BS	82/88 (93%)	57 (70%)	15 (18%)	10 (12%)	0 1
46	CS	82/88 (93%)	55 (67%)	21 (26%)	6 (7%)	1 6
47	BT	98/105 (93%)	74 (76%)	17 (17%)	7 (7%)	1 7

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles
47	CT	98/105 (93%)	83 (85%)	9 (9%)	6 (6%)	1 9
48	BU	70/88 (80%)	53 (76%)	11 (16%)	6 (9%)	0 4
48	CU	70/88 (80%)	58 (83%)	10 (14%)	2 (3%)	3 22
49	BV	76/93 (82%)	56 (74%)	13 (17%)	7 (9%)	0 3
49	CV	76/93 (82%)	49 (64%)	18 (24%)	9 (12%)	0 1
50	BW	97/106 (92%)	65 (67%)	21 (22%)	11 (11%)	0 2
50	CW	97/106 (92%)	70 (72%)	13 (13%)	14 (14%)	0 1
51	BX	23/27 (85%)	15 (65%)	5 (22%)	3 (13%)	0 1
51	CX	23/27 (85%)	15 (65%)	6 (26%)	2 (9%)	0 4
All	All	11319/12052 (94%)	7969 (70%)	2044 (18%)	1306 (12%)	0 2

5 of 1306 Ramachandran outliers are listed below:

Mol	Chain	Res	Type
3	AD	3	VAL
3	AD	28	GLU
3	AD	29	PRO
3	AD	33	LEU
3	AD	37	LEU

5.3.2 Protein sidechains (i)

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

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

Mol	Chain	Analysed	Rotameric	Outliers	Percentiles
3	AD	214/218 (98%)	154 (72%)	60 (28%)	0 1
3	DD	214/218 (98%)	164 (77%)	50 (23%)	0 3
4	AE	165/166 (99%)	131 (79%)	34 (21%)	1 4
4	DE	165/166 (99%)	120 (73%)	45 (27%)	0 1
5	AF	161/166 (97%)	126 (78%)	35 (22%)	1 3
5	DF	165/166 (99%)	130 (79%)	35 (21%)	1 4
6	AG	155/156 (99%)	124 (80%)	31 (20%)	1 5

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles
6	DG	155/156 (99%)	128 (83%)	27 (17%)	1 7
7	AH	142/148 (96%)	112 (79%)	30 (21%)	1 4
7	DH	142/148 (96%)	116 (82%)	26 (18%)	1 6
8	AK	122/124 (98%)	97 (80%)	25 (20%)	1 4
8	DK	122/124 (98%)	100 (82%)	22 (18%)	1 7
9	AM	117/119 (98%)	87 (74%)	30 (26%)	0 2
9	DM	117/119 (98%)	82 (70%)	35 (30%)	0 1
10	AN	100/100 (100%)	81 (81%)	19 (19%)	1 5
10	DN	100/100 (100%)	84 (84%)	16 (16%)	2 9
11	AO	116/116 (100%)	81 (70%)	35 (30%)	0 1
11	DO	116/116 (100%)	77 (66%)	39 (34%)	0 1
12	AP	111/111 (100%)	88 (79%)	23 (21%)	1 4
12	DP	111/111 (100%)	79 (71%)	32 (29%)	0 1
13	A0	101/101 (100%)	77 (76%)	24 (24%)	0 3
13	D0	100/101 (99%)	80 (80%)	20 (20%)	1 5
14	AQ	87/88 (99%)	63 (72%)	24 (28%)	0 1
14	DQ	87/88 (99%)	66 (76%)	21 (24%)	0 3
15	AR	120/127 (94%)	97 (81%)	23 (19%)	1 5
15	DR	120/127 (94%)	90 (75%)	30 (25%)	0 2
16	A1	93/94 (99%)	71 (76%)	22 (24%)	0 3
16	D1	93/94 (99%)	77 (83%)	16 (17%)	1 8
17	A2	82/82 (100%)	58 (71%)	24 (29%)	0 1
17	D2	82/82 (100%)	53 (65%)	29 (35%)	0 0
18	AS	92/92 (100%)	69 (75%)	23 (25%)	0 2
18	DS	92/92 (100%)	72 (78%)	20 (22%)	1 3
19	AT	74/78 (95%)	58 (78%)	16 (22%)	1 3
19	DT	74/78 (95%)	56 (76%)	18 (24%)	0 2
20	AU	85/91 (93%)	65 (76%)	20 (24%)	0 3
20	DU	85/91 (93%)	57 (67%)	28 (33%)	0 1
21	AV	154/179 (86%)	126 (82%)	28 (18%)	1 6
21	DV	158/179 (88%)	133 (84%)	25 (16%)	2 10

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles
22	A3	61/67 (91%)	48 (79%)	13 (21%)	1 4
22	D3	62/67 (92%)	55 (89%)	7 (11%)	4 18
23	AZ	82/83 (99%)	64 (78%)	18 (22%)	1 3
23	DZ	82/83 (99%)	64 (78%)	18 (22%)	1 3
24	AW	62/67 (92%)	44 (71%)	18 (29%)	0 1
24	DW	62/67 (92%)	48 (77%)	14 (23%)	1 3
25	AX	51/52 (98%)	42 (82%)	9 (18%)	1 7
25	DX	51/52 (98%)	41 (80%)	10 (20%)	1 5
26	A4	59/63 (94%)	49 (83%)	10 (17%)	1 8
26	D4	57/63 (90%)	45 (79%)	12 (21%)	1 4
27	A5	51/52 (98%)	39 (76%)	12 (24%)	0 3
27	D5	51/52 (98%)	43 (84%)	8 (16%)	2 10
28	A6	44/52 (85%)	32 (73%)	12 (27%)	0 1
28	D6	44/52 (85%)	38 (86%)	6 (14%)	3 14
29	A7	38/42 (90%)	32 (84%)	6 (16%)	2 10
29	D7	38/42 (90%)	29 (76%)	9 (24%)	0 3
30	A8	50/55 (91%)	36 (72%)	14 (28%)	0 1
30	D8	50/55 (91%)	35 (70%)	15 (30%)	0 1
32	BE	205/220 (93%)	167 (82%)	38 (18%)	1 6
32	CE	205/220 (93%)	168 (82%)	37 (18%)	1 7
33	BF	159/188 (85%)	127 (80%)	32 (20%)	1 4
33	CF	160/188 (85%)	132 (82%)	28 (18%)	1 7
34	BG	180/180 (100%)	149 (83%)	31 (17%)	1 8
34	CG	180/180 (100%)	143 (79%)	37 (21%)	1 4
35	BH	116/123 (94%)	89 (77%)	27 (23%)	0 3
35	CH	116/123 (94%)	89 (77%)	27 (23%)	0 3
36	BI	90/90 (100%)	80 (89%)	10 (11%)	5 19
36	CI	90/90 (100%)	78 (87%)	12 (13%)	3 14
37	BJ	126/127 (99%)	96 (76%)	30 (24%)	0 3
37	CJ	126/127 (99%)	103 (82%)	23 (18%)	1 6
38	BK	119/119 (100%)	95 (80%)	24 (20%)	1 4

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles
38	CK	119/119 (100%)	101 (85%)	18 (15%)	2 10
39	BL	98/99 (99%)	77 (79%)	21 (21%)	1 4
39	CL	98/99 (99%)	73 (74%)	25 (26%)	0 2
40	BM	89/92 (97%)	73 (82%)	16 (18%)	1 7
40	CM	89/92 (97%)	72 (81%)	17 (19%)	1 5
41	BN	90/99 (91%)	76 (84%)	14 (16%)	2 10
41	CN	90/99 (91%)	79 (88%)	11 (12%)	4 16
42	BO	104/109 (95%)	84 (81%)	20 (19%)	1 5
42	CO	104/109 (95%)	80 (77%)	24 (23%)	0 3
43	BP	94/101 (93%)	77 (82%)	17 (18%)	1 6
43	CP	94/101 (93%)	76 (81%)	18 (19%)	1 5
44	BQ	48/50 (96%)	35 (73%)	13 (27%)	0 1
44	CQ	48/50 (96%)	38 (79%)	10 (21%)	1 4
45	BR	79/80 (99%)	69 (87%)	10 (13%)	3 15
45	CR	79/80 (99%)	65 (82%)	14 (18%)	1 7
46	BS	72/74 (97%)	58 (81%)	14 (19%)	1 5
46	CS	72/74 (97%)	60 (83%)	12 (17%)	2 8
47	BT	95/97 (98%)	78 (82%)	17 (18%)	1 7
47	CT	95/97 (98%)	82 (86%)	13 (14%)	3 13
48	BU	63/77 (82%)	53 (84%)	10 (16%)	2 9
48	CU	63/77 (82%)	53 (84%)	10 (16%)	2 9
49	BV	67/80 (84%)	50 (75%)	17 (25%)	0 2
49	CV	67/80 (84%)	47 (70%)	20 (30%)	0 1
50	BW	76/82 (93%)	64 (84%)	12 (16%)	2 10
50	CW	76/82 (93%)	63 (83%)	13 (17%)	1 8
51	BX	20/22 (91%)	20 (100%)	0	100 100
51	CX	20/22 (91%)	18 (90%)	2 (10%)	6 23
All	All	9565/9996 (96%)	7550 (79%)	2015 (21%)	1 4

5 of 2015 residues with a non-rotameric sidechain are listed below:

Mol	Chain	Res	Type
44	BQ	35	ARG

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Mol	Chain	Res	Type
15	DR	93	ARG
36	CI	54	LYS
15	DR	15	VAL
21	DV	14	LYS

Sometimes sidechains can be flipped to improve hydrogen bonding and reduce clashes. 5 of 288 such sidechains are listed below:

Mol	Chain	Res	Type
12	DP	123	HIS
29	D7	36	GLN
13	D0	61	HIS
19	DT	87	GLN
35	BH	78	HIS

5.3.3 RNA (i)

Mol	Chain	Analysed	Backbone Outliers	Pucker Outliers
1	AA	2911/2912 (99%)	694 (23%)	62 (2%)
1	DA	2905/2912 (99%)	731 (25%)	60 (2%)
2	AB	121/122 (99%)	23 (19%)	0
2	DB	121/122 (99%)	28 (23%)	1 (0%)
31	BA	1501/1506 (99%)	351 (23%)	39 (2%)
31	CA	1501/1506 (99%)	351 (23%)	49 (3%)
52	BB	83/85 (97%)	45 (54%)	5 (6%)
52	BD	83/85 (97%)	38 (45%)	5 (6%)
52	CB	83/85 (97%)	49 (59%)	8 (9%)
52	CD	83/85 (97%)	35 (42%)	6 (7%)
53	BC	76/77 (98%)	17 (22%)	3 (3%)
53	CC	76/77 (98%)	20 (26%)	3 (3%)
54	B1	15/16 (93%)	7 (46%)	2 (13%)
54	C1	15/16 (93%)	8 (53%)	3 (20%)
All	All	9574/9606 (99%)	2397 (25%)	246 (2%)

5 of 2397 RNA backbone outliers are listed below:

Mol	Chain	Res	Type
1	AA	9	U
1	AA	17	G
1	AA	23	G
1	AA	34	C

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Mol	Chain	Res	Type
1	AA	35	G

5 of 246 RNA pucker outliers are listed below:

Mol	Chain	Res	Type
54	B1	13	A
1	DA	1980	G
31	CA	913	A
1	DA	1899	G
1	DA	2610	C

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

4 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	$\#\|Z\| > 2$
52	MIA	BD	38	52	24,31,32	2.10	3 (12%)	22,44,47	3.09	7 (31%)
52	MIA	CB	38	52	24,31,32	2.29	5 (20%)	22,44,47	2.65	6 (27%)
52	MIA	BB	38	52	24,31,32	2.11	3 (12%)	22,44,47	1.98	6 (27%)
52	MIA	CD	38	52	24,31,32	2.06	3 (12%)	22,44,47	2.89	8 (36%)

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
52	MIA	BD	38	52	-	6/11/33/34	0/3/3/3
52	MIA	CB	38	52	-	2/11/33/34	0/3/3/3
52	MIA	BB	38	52	-	2/11/33/34	0/3/3/3
52	MIA	CD	38	52	-	7/11/33/34	0/3/3/3

The worst 5 of 14 bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
52	CB	38	MIA	C6-N6	7.87	1.47	1.34
52	BB	38	MIA	C6-N6	7.14	1.46	1.34
52	BD	38	MIA	C6-N6	7.09	1.46	1.34
52	CD	38	MIA	C6-N6	7.02	1.46	1.34
52	CB	38	MIA	C13-C14	6.31	1.51	1.32

The worst 5 of 27 bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
52	BD	38	MIA	C11-S10-C2	11.87	111.16	102.25
52	CD	38	MIA	C11-S10-C2	10.68	110.27	102.25
52	CB	38	MIA	C11-S10-C2	9.99	109.75	102.25
52	BB	38	MIA	C11-S10-C2	5.31	106.23	102.25
52	CD	38	MIA	C12-C13-C14	-5.04	117.97	127.01

There are no chirality outliers.

5 of 17 torsion outliers are listed below:

Mol	Chain	Res	Type	Atoms
52	BB	38	MIA	C12-C13-C14-C15
52	BB	38	MIA	C12-C13-C14-C16
52	BD	38	MIA	O4'-C4'-C5'-O5'
52	BD	38	MIA	N1-C2-S10-C11
52	BD	38	MIA	N3-C2-S10-C11

There are no ring outliers.

4 monomers are involved in 16 short contacts:

Mol	Chain	Res	Type	Clashes	Symm-Clashes
52	BD	38	MIA	7	0
52	CB	38	MIA	5	0
52	BB	38	MIA	2	0
52	CD	38	MIA	2	0

5.5 Carbohydrates (i)

There are no oligosaccharides in this entry.

5.6 Ligand geometry (i)

Of 1619 ligands modelled in this entry, 907 are monoatomic - leaving 712 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	$\#\|Z\| > 2$
56	OHX	CA	1761	-	0,6,6	-	-	-		
56	OHX	BA	1724	-	0,6,6	-	-	-		
56	OHX	CA	1734	-	0,6,6	-	-	-		
56	OHX	BA	1781	-	0,6,6	-	-	-		
56	OHX	BA	1734	-	0,6,6	-	-	-		
56	OHX	CA	1783	-	0,6,6	-	-	-		
56	OHX	AA	3336	-	0,6,6	-	-	-		
56	OHX	CA	1759	-	0,6,6	-	-	-		
56	OHX	DA	3387	-	0,6,6	-	-	-		
56	OHX	DA	3434	-	0,6,6	-	-	-		
56	OHX	DA	3438	-	0,6,6	-	-	-		
56	OHX	CA	1726	-	0,6,6	-	-	-		
56	OHX	DA	3462	-	0,6,6	-	-	-		
56	OHX	AA	3363	-	0,6,6	-	-	-		
56	OHX	AA	3484	-	0,6,6	-	-	-		
56	OHX	DA	3379	-	0,6,6	-	-	-		
56	OHX	CA	1727	-	0,6,6	-	-	-		
56	OHX	DA	3449	-	0,6,6	-	-	-		
56	OHX	DA	3354	-	0,6,6	-	-	-		
56	OHX	DA	3336	-	0,6,6	-	-	-		
56	OHX	AB	210	-	0,6,6	-	-	-		
56	OHX	DA	3349	-	0,6,6	-	-	-		
56	OHX	AA	3416	-	0,6,6	-	-	-		
56	OHX	BA	1786	-	0,6,6	-	-	-		
56	OHX	AA	3370	-	0,6,6	-	-	-		
56	OHX	AA	3439	-	0,6,6	-	-	-		
56	OHX	AA	3532	-	0,6,6	-	-	-		
56	OHX	DA	3221	-	0,6,6	-	-	-		
56	OHX	DA	3408	-	0,6,6	-	-	-		
56	OHX	AA	3517	-	0,6,6	-	-	-		
56	OHX	DA	3436	-	0,6,6	-	-	-		
56	OHX	AB	217	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
56	OHX	BA	1756	-	0,6,6	-	-	-		
56	OHX	AA	3380	-	0,6,6	-	-	-		
56	OHX	CA	1800	-	0,6,6	-	-	-		
56	OHX	DA	3470	-	0,6,6	-	-	-		
56	OHX	BR	101	-	0,6,6	-	-	-		
56	OHX	AA	3466	-	0,6,6	-	-	-		
56	OHX	AA	3508	-	0,6,6	-	-	-		
56	OHX	CA	1750	-	0,6,6	-	-	-		
56	OHX	AA	3434	-	0,6,6	-	-	-		
56	OHX	AA	3331	-	0,6,6	-	-	-		
56	OHX	BA	1791	-	0,6,6	-	-	-		
56	OHX	AA	3327	-	0,6,6	-	-	-		
56	OHX	BA	1746	-	0,6,6	-	-	-		
56	OHX	BB	114	-	0,6,6	-	-	-		
56	OHX	AB	212	-	0,6,6	-	-	-		
56	OHX	BA	1726	-	0,6,6	-	-	-		
56	OHX	AA	3449	-	0,6,6	-	-	-		
56	OHX	AA	3540	-	0,6,6	-	-	-		
56	OHX	AA	3391	-	0,6,6	-	-	-		
56	OHX	AA	3373	-	0,6,6	-	-	-		
56	OHX	BA	1743	-	0,6,6	-	-	-		
56	OHX	AA	3361	-	0,6,6	-	-	-		
56	OHX	BA	1740	-	0,6,6	-	-	-		
56	OHX	AA	3376	-	0,6,6	-	-	-		
56	OHX	DA	3359	-	0,6,6	-	-	-		
56	OHX	DA	3480	-	0,6,6	-	-	-		
56	OHX	DA	3165	-	0,6,6	-	-	-		
56	OHX	AA	3552	-	0,6,6	-	-	-		
56	OHX	AA	3513	-	0,6,6	-	-	-		
56	OHX	BA	1752	-	0,6,6	-	-	-		
56	OHX	AA	3333	-	0,6,6	-	-	-		
56	OHX	AA	3371	-	0,6,6	-	-	-		
56	OHX	BA	1789	-	0,6,6	-	-	-		
56	OHX	AB	219	-	0,6,6	-	-	-		
56	OHX	CA	1762	-	0,6,6	-	-	-		
56	OHX	CA	1799	-	0,6,6	-	-	-		
56	OHX	DA	3412	-	0,6,6	-	-	-		
56	OHX	DA	3246	-	0,6,6	-	-	-		
56	OHX	AA	3412	-	0,6,6	-	-	-		
56	OHX	BA	1735	-	0,6,6	-	-	-		
56	OHX	DA	3446	-	0,6,6	-	-	-		
56	OHX	CA	1730	-	0,6,6	-	-	-		
56	OHX	DA	3471	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
56	OHX	DA	3477	-	0,6,6	-	-	-		
56	OHX	DB	213	-	0,6,6	-	-	-		
56	OHX	AA	3365	-	0,6,6	-	-	-		
56	OHX	DB	209	-	0,6,6	-	-	-		
56	OHX	AA	3547	-	0,6,6	-	-	-		
56	OHX	AA	3542	-	0,6,6	-	-	-		
56	OHX	AA	3375	-	0,6,6	-	-	-		
56	OHX	AA	3555	-	0,6,6	-	-	-		
56	OHX	DA	3168	-	0,6,6	-	-	-		
56	OHX	CC	110	-	0,6,6	-	-	-		
56	OHX	CA	1764	-	0,6,6	-	-	-		
56	OHX	DA	3094	-	0,6,6	-	-	-		
56	OHX	BA	1731	-	0,6,6	-	-	-		
56	OHX	BA	1811	-	0,6,6	-	-	-		
56	OHX	DA	3171	-	0,6,6	-	-	-		
56	OHX	AA	3400	-	0,6,6	-	-	-		
56	OHX	DB	216	-	0,6,6	-	-	-		
56	OHX	AA	3430	-	0,6,6	-	-	-		
56	OHX	CA	1767	-	0,6,6	-	-	-		
56	OHX	CA	1811	-	0,6,6	-	-	-		
56	OHX	AA	3537	-	0,6,6	-	-	-		
56	OHX	DO	201	-	0,6,6	-	-	-		
56	OHX	AA	3457	-	0,6,6	-	-	-		
56	OHX	AA	3397	-	0,6,6	-	-	-		
56	OHX	AA	3347	-	0,6,6	-	-	-		
56	OHX	AA	3539	-	0,6,6	-	-	-		
56	OHX	DA	3426	-	0,6,6	-	-	-		
56	OHX	DA	3176	-	0,6,6	-	-	-		
56	OHX	AA	3528	-	0,6,6	-	-	-		
56	OHX	AA	3455	-	0,6,6	-	-	-		
56	OHX	CA	1763	-	0,6,6	-	-	-		
56	OHX	AA	3476	-	0,6,6	-	-	-		
56	OHX	DA	3474	-	0,6,6	-	-	-		
56	OHX	DA	3484	-	0,6,6	-	-	-		
56	OHX	CA	1775	-	0,6,6	-	-	-		
56	OHX	AA	3510	-	0,6,6	-	-	-		
56	OHX	AA	3351	-	0,6,6	-	-	-		
56	OHX	AA	3521	-	0,6,6	-	-	-		
56	OHX	AA	3503	-	0,6,6	-	-	-		
56	OHX	AA	3498	-	0,6,6	-	-	-		
56	OHX	BA	1790	-	0,6,6	-	-	-		
56	OHX	AA	3444	-	0,6,6	-	-	-		
56	OHX	CK	201	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
56	OHX	DA	3220	-	0,6,6	-	-	-		
56	OHX	CA	1781	-	0,6,6	-	-	-		
56	OHX	AB	216	-	0,6,6	-	-	-		
56	OHX	DA	3483	-	0,6,6	-	-	-		
56	OHX	AA	3425	-	0,6,6	-	-	-		
56	OHX	DA	3439	-	0,6,6	-	-	-		
56	OHX	AA	3393	-	0,6,6	-	-	-		
56	OHX	AA	3525	-	0,6,6	-	-	-		
56	OHX	DA	3162	-	0,6,6	-	-	-		
56	OHX	DA	3214	-	0,6,6	-	-	-		
56	OHX	CA	1724	-	0,6,6	-	-	-		
56	OHX	DA	3475	-	0,6,6	-	-	-		
56	OHX	CA	1778	-	0,6,6	-	-	-		
56	OHX	BA	1780	-	0,6,6	-	-	-		
56	OHX	CA	1788	-	0,6,6	-	-	-		
56	OHX	AA	3524	-	0,6,6	-	-	-		
56	OHX	AA	3544	-	0,6,6	-	-	-		
56	OHX	DA	3473	-	0,6,6	-	-	-		
56	OHX	DA	3425	-	0,6,6	-	-	-		
56	OHX	DA	3478	-	0,6,6	-	-	-		
56	OHX	AA	3568	-	0,6,6	-	-	-		
56	OHX	DA	3258	-	0,6,6	-	-	-		
56	OHX	AA	3530	-	0,6,6	-	-	-		
56	OHX	DA	3218	-	0,6,6	-	-	-		
56	OHX	DA	3335	-	0,6,6	-	-	-		
56	OHX	CA	1744	-	0,6,6	-	-	-		
56	OHX	AA	3569	-	0,6,6	-	-	-		
56	OHX	AA	3463	-	0,6,6	-	-	-		
56	OHX	DA	3342	-	0,6,6	-	-	-		
56	OHX	AA	3461	-	0,6,6	-	-	-		
56	OHX	CB	106	-	0,6,6	-	-	-		
56	OHX	CB	104	-	0,6,6	-	-	-		
56	OHX	CA	1794	-	0,6,6	-	-	-		
56	OHX	DA	3394	-	0,6,6	-	-	-		
56	OHX	BA	1787	-	0,6,6	-	-	-		
56	OHX	DA	3251	-	0,6,6	-	-	-		
56	OHX	DA	3103	-	0,6,6	-	-	-		
56	OHX	AA	3500	-	0,6,6	-	-	-		
56	OHX	AA	3340	-	0,6,6	-	-	-		
56	OHX	AA	3448	-	0,6,6	-	-	-		
56	OHX	BA	1721	-	0,6,6	-	-	-		
56	OHX	BA	1805	-	0,6,6	-	-	-		
56	OHX	BA	1806	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
56	OHX	BA	1799	-	0,6,6	-	-	-		
56	OHX	DA	3411	-	0,6,6	-	-	-		
56	OHX	DA	3353	-	0,6,6	-	-	-		
56	OHX	DA	3388	-	0,6,6	-	-	-		
56	OHX	AA	3404	-	0,6,6	-	-	-		
57	PAR	CA	1722	-	44,45,45	0.69	0	63,67,67	1.84	14 (22%)
56	OHX	AA	3499	-	0,6,6	-	-	-		
56	OHX	AA	3424	-	0,6,6	-	-	-		
56	OHX	DA	3441	-	0,6,6	-	-	-		
56	OHX	BA	1754	-	0,6,6	-	-	-		
56	OHX	DA	3358	-	0,6,6	-	-	-		
56	OHX	DA	3437	-	0,6,6	-	-	-		
56	OHX	AA	3392	-	0,6,6	-	-	-		
56	OHX	AA	3442	-	0,6,6	-	-	-		
56	OHX	DA	3083	-	0,6,6	-	-	-		
56	OHX	BA	1768	-	0,6,6	-	-	-		
56	OHX	DA	3414	-	0,6,6	-	-	-		
56	OHX	BA	1760	-	0,6,6	-	-	-		
56	OHX	AA	3443	-	0,6,6	-	-	-		
56	OHX	AA	3344	-	0,6,6	-	-	-		
56	OHX	AA	3377	-	0,6,6	-	-	-		
56	OHX	AA	3546	-	0,6,6	-	-	-		
56	OHX	BB	115	-	0,6,6	-	-	-		
56	OHX	AA	3453	-	0,6,6	-	-	-		
56	OHX	AA	3534	-	0,6,6	-	-	-		
56	OHX	AA	3548	-	0,6,6	-	-	-		
56	OHX	BA	1728	-	0,6,6	-	-	-		
56	OHX	AA	3352	-	0,6,6	-	-	-		
56	OHX	BA	1810	-	0,6,6	-	-	-		
56	OHX	DA	3452	-	0,6,6	-	-	-		
56	OHX	AA	3419	-	0,6,6	-	-	-		
56	OHX	A1	204	-	0,6,6	-	-	-		
56	OHX	DA	3337	-	0,6,6	-	-	-		
56	OHX	DA	3084	-	0,6,6	-	-	-		
56	OHX	CA	1791	-	0,6,6	-	-	-		
56	OHX	AB	214	-	0,6,6	-	-	-		
56	OHX	AA	3522	-	0,6,6	-	-	-		
56	OHX	DA	3466	-	0,6,6	-	-	-		
56	OHX	AA	3426	-	0,6,6	-	-	-		
56	OHX	DA	3217	-	0,6,6	-	-	-		
56	OHX	AA	3415	-	0,6,6	-	-	-		
56	OHX	DA	3374	-	0,6,6	-	-	-		
56	OHX	DA	3346	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
56	OHX	DA	3395	-	0,6,6	-	-	-		
56	OHX	CA	1776	-	0,6,6	-	-	-		
56	OHX	DA	3091	-	0,6,6	-	-	-		
56	OHX	AA	3346	-	0,6,6	-	-	-		
56	OHX	DA	3376	-	0,6,6	-	-	-		
56	OHX	BA	1759	-	0,6,6	-	-	-		
56	OHX	DA	3489	-	0,6,6	-	-	-		
56	OHX	D8	101	-	0,6,6	-	-	-		
56	OHX	BA	1745	-	0,6,6	-	-	-		
56	OHX	CA	1737	-	0,6,6	-	-	-		
56	OHX	CA	1760	-	0,6,6	-	-	-		
56	OHX	DA	3248	-	0,6,6	-	-	-		
56	OHX	CA	1768	-	0,6,6	-	-	-		
56	OHX	BA	1733	-	0,6,6	-	-	-		
56	OHX	BA	1716	-	0,6,6	-	-	-		
56	OHX	AA	3529	-	0,6,6	-	-	-		
56	OHX	CA	1809	-	0,6,6	-	-	-		
56	OHX	AA	3518	-	0,6,6	-	-	-		
56	OHX	DA	3464	-	0,6,6	-	-	-		
56	OHX	AA	3502	-	0,6,6	-	-	-		
56	OHX	CA	1752	-	0,6,6	-	-	-		
56	OHX	DA	3460	-	0,6,6	-	-	-		
56	OHX	DA	3124	-	0,6,6	-	-	-		
56	OHX	AA	3458	-	0,6,6	-	-	-		
56	OHX	DA	3157	-	0,6,6	-	-	-		
56	OHX	BC	106	-	0,6,6	-	-	-		
56	OHX	DA	3370	-	0,6,6	-	-	-		
56	OHX	CA	1751	-	0,6,6	-	-	-		
56	OHX	AA	3405	-	0,6,6	-	-	-		
56	OHX	AA	3511	-	0,6,6	-	-	-		
56	OHX	AA	3386	-	0,6,6	-	-	-		
56	OHX	DA	3345	-	0,6,6	-	-	-		
56	OHX	DA	3369	-	0,6,6	-	-	-		
56	OHX	DA	3410	-	0,6,6	-	-	-		
56	OHX	AA	3485	-	0,6,6	-	-	-		
56	OHX	AA	3332	-	0,6,6	-	-	-		
56	OHX	DA	3136	-	0,6,6	-	-	-		
56	OHX	BA	1788	-	0,6,6	-	-	-		
56	OHX	AA	3515	-	0,6,6	-	-	-		
56	OHX	DA	3099	-	0,6,6	-	-	-		
56	OHX	BA	1717	-	0,6,6	-	-	-		
56	OHX	DA	3443	-	0,6,6	-	-	-		
56	OHX	BA	1741	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
56	OHX	DB	212	-	0,6,6	-	-	-		
56	OHX	CA	1772	-	0,6,6	-	-	-		
56	OHX	AA	3523	-	0,6,6	-	-	-		
56	OHX	BA	1777	-	0,6,6	-	-	-		
56	OHX	BA	1804	-	0,6,6	-	-	-		
56	OHX	DA	3352	-	0,6,6	-	-	-		
56	OHX	CA	1732	-	0,6,6	-	-	-		
56	OHX	DA	3396	-	0,6,6	-	-	-		
56	OHX	DA	3445	-	0,6,6	-	-	-		
56	OHX	AA	3326	-	0,6,6	-	-	-		
56	OHX	AB	218	-	0,6,6	-	-	-		
56	OHX	AA	3556	-	0,6,6	-	-	-		
56	OHX	AA	3519	-	0,6,6	-	-	-		
56	OHX	AA	3562	-	0,6,6	-	-	-		
56	OHX	DA	3383	-	0,6,6	-	-	-		
56	OHX	DA	3444	-	0,6,6	-	-	-		
56	OHX	AA	3505	-	0,6,6	-	-	-		
56	OHX	AA	3509	-	0,6,6	-	-	-		
56	OHX	AA	3558	-	0,6,6	-	-	-		
56	OHX	CA	1796	-	0,6,6	-	-	-		
56	OHX	AA	3450	-	0,6,6	-	-	-		
56	OHX	DA	3341	-	0,6,6	-	-	-		
56	OHX	AA	3504	-	0,6,6	-	-	-		
56	OHX	CA	1735	-	0,6,6	-	-	-		
56	OHX	DB	211	-	0,6,6	-	-	-		
56	OHX	BA	1812	-	0,6,6	-	-	-		
56	OHX	AA	3494	-	0,6,6	-	-	-		
56	OHX	CA	1779	-	0,6,6	-	-	-		
56	OHX	BA	1736	-	0,6,6	-	-	-		
56	OHX	AA	3454	-	0,6,6	-	-	-		
56	OHX	BA	1772	-	0,6,6	-	-	-		
56	OHX	AA	3526	-	0,6,6	-	-	-		
56	OHX	D1	201	-	0,6,6	-	-	-		
56	OHX	AA	3378	-	0,6,6	-	-	-		
56	OHX	AA	3429	-	0,6,6	-	-	-		
56	OHX	BA	1758	-	0,6,6	-	-	-		
56	OHX	BA	1814	-	0,6,6	-	-	-		
56	OHX	BA	1755	-	0,6,6	-	-	-		
56	OHX	A1	203	-	0,6,6	-	-	-		
56	OHX	DA	3420	-	0,6,6	-	-	-		
56	OHX	BA	1748	-	0,6,6	-	-	-		
56	OHX	BA	1813	-	0,6,6	-	-	-		
56	OHX	BA	1725	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
56	OHX	BA	1766	-	0,6,6	-	-	-		
56	OHX	AA	3382	-	0,6,6	-	-	-		
56	OHX	AA	3402	-	0,6,6	-	-	-		
56	OHX	DA	3416	-	0,6,6	-	-	-		
56	OHX	AA	3553	-	0,6,6	-	-	-		
56	OHX	DB	217	-	0,6,6	-	-	-		
56	OHX	AA	3554	-	0,6,6	-	-	-		
56	OHX	DA	3400	-	0,6,6	-	-	-		
56	OHX	CA	1789	-	0,6,6	-	-	-		
56	OHX	BA	1737	-	0,6,6	-	-	-		
56	OHX	AA	3338	-	0,6,6	-	-	-		
56	OHX	DA	3255	-	0,6,6	-	-	-		
56	OHX	DA	3469	-	0,6,6	-	-	-		
56	OHX	AA	3403	-	0,6,6	-	-	-		
56	OHX	DA	3423	-	0,6,6	-	-	-		
56	OHX	AA	3551	-	0,6,6	-	-	-		
56	OHX	DA	3406	-	0,6,6	-	-	-		
56	OHX	DA	3461	-	0,6,6	-	-	-		
56	OHX	DA	3160	-	0,6,6	-	-	-		
56	OHX	AA	3387	-	0,6,6	-	-	-		
56	OHX	AA	3350	-	0,6,6	-	-	-		
56	OHX	AA	3538	-	0,6,6	-	-	-		
56	OHX	AA	3353	-	0,6,6	-	-	-		
56	OHX	BD	104	-	0,6,6	-	-	-		
56	OHX	AA	3520	-	0,6,6	-	-	-		
56	OHX	AA	3447	-	0,6,6	-	-	-		
56	OHX	AA	3467	-	0,6,6	-	-	-		
56	OHX	AF	303	-	0,6,6	-	-	-		
56	OHX	DA	3243	-	0,6,6	-	-	-		
56	OHX	DA	3463	-	0,6,6	-	-	-		
56	OHX	DA	3404	-	0,6,6	-	-	-		
56	OHX	AA	3348	-	0,6,6	-	-	-		
56	OHX	CA	1723	-	0,6,6	-	-	-		
56	OHX	CA	1753	-	0,6,6	-	-	-		
56	OHX	DA	3344	-	0,6,6	-	-	-		
56	OHX	DA	3424	-	0,6,6	-	-	-		
56	OHX	CA	1757	-	0,6,6	-	-	-		
56	OHX	DA	3393	-	0,6,6	-	-	-		
56	OHX	AA	3482	-	0,6,6	-	-	-		
56	OHX	DA	3071	-	0,6,6	-	-	-		
56	OHX	DA	3392	-	0,6,6	-	-	-		
56	OHX	AA	3565	-	0,6,6	-	-	-		
56	OHX	AA	3472	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
56	OHX	CA	1758	-	0,6,6	-	-	-		
56	OHX	AA	3367	-	0,6,6	-	-	-		
56	OHX	AA	3399	-	0,6,6	-	-	-		
56	OHX	BD	103	-	0,6,6	-	-	-		
56	OHX	BA	1750	-	0,6,6	-	-	-		
56	OHX	CA	1774	-	0,6,6	-	-	-		
56	OHX	CA	1746	-	0,6,6	-	-	-		
56	OHX	CA	1797	-	0,6,6	-	-	-		
56	OHX	AA	3345	-	0,6,6	-	-	-		
56	OHX	BA	1763	-	0,6,6	-	-	-		
56	OHX	DA	3380	-	0,6,6	-	-	-		
56	OHX	BA	1722	-	0,6,6	-	-	-		
56	OHX	AA	3549	-	0,6,6	-	-	-		
56	OHX	AA	3421	-	0,6,6	-	-	-		
56	OHX	AA	3409	-	0,6,6	-	-	-		
56	OHX	AA	3396	-	0,6,6	-	-	-		
56	OHX	DA	3390	-	0,6,6	-	-	-		
56	OHX	CA	1771	-	0,6,6	-	-	-		
56	OHX	DA	3457	-	0,6,6	-	-	-		
56	OHX	AA	3566	-	0,6,6	-	-	-		
56	OHX	DA	3109	-	0,6,6	-	-	-		
56	OHX	DA	3448	-	0,6,6	-	-	-		
56	OHX	AA	3355	-	0,6,6	-	-	-		
56	OHX	AA	3483	-	0,6,6	-	-	-		
56	OHX	CA	1745	-	0,6,6	-	-	-		
56	OHX	CA	1805	-	0,6,6	-	-	-		
56	OHX	AA	3459	-	0,6,6	-	-	-		
56	OHX	DA	3361	-	0,6,6	-	-	-		
56	OHX	BA	1727	-	0,6,6	-	-	-		
56	OHX	DA	3347	-	0,6,6	-	-	-		
56	OHX	DA	3417	-	0,6,6	-	-	-		
56	OHX	AA	3328	-	0,6,6	-	-	-		
56	OHX	BA	1765	-	0,6,6	-	-	-		
56	OHX	AO	203	-	0,6,6	-	-	-		
56	OHX	CA	1747	-	0,6,6	-	-	-		
56	OHX	DA	3174	-	0,6,6	-	-	-		
56	OHX	AA	3366	-	0,6,6	-	-	-		
56	OHX	CA	1786	-	0,6,6	-	-	-		
56	OHX	DA	3458	-	0,6,6	-	-	-		
56	OHX	DA	3338	-	0,6,6	-	-	-		
56	OHX	AA	3497	-	0,6,6	-	-	-		
56	OHX	DA	3368	-	0,6,6	-	-	-		
56	OHX	AA	3420	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
56	OHX	AA	3490	-	0,6,6	-	-	-		
56	OHX	DA	3440	-	0,6,6	-	-	-		
56	OHX	DA	3350	-	0,6,6	-	-	-		
56	OHX	DA	3479	-	0,6,6	-	-	-		
56	OHX	BA	1803	-	0,6,6	-	-	-		
56	OHX	DA	3428	-	0,6,6	-	-	-		
56	OHX	DA	3454	-	0,6,6	-	-	-		
56	OHX	DA	3378	-	0,6,6	-	-	-		
56	OHX	CA	1736	-	0,6,6	-	-	-		
56	OHX	AA	3501	-	0,6,6	-	-	-		
56	OHX	DA	3490	-	0,6,6	-	-	-		
56	OHX	DB	208	-	0,6,6	-	-	-		
56	OHX	DA	3169	-	0,6,6	-	-	-		
56	OHX	CA	1777	-	0,6,6	-	-	-		
56	OHX	BA	1723	-	0,6,6	-	-	-		
56	OHX	DA	3351	-	0,6,6	-	-	-		
56	OHX	BA	1767	-	0,6,6	-	-	-		
56	OHX	DA	3348	-	0,6,6	-	-	-		
56	OHX	AA	3406	-	0,6,6	-	-	-		
56	OHX	AA	3487	-	0,6,6	-	-	-		
56	OHX	BA	1770	-	0,6,6	-	-	-		
56	OHX	BA	1785	-	0,6,6	-	-	-		
56	OHX	DA	3372	-	0,6,6	-	-	-		
56	OHX	BA	1757	-	0,6,6	-	-	-		
56	OHX	BA	1775	-	0,6,6	-	-	-		
56	OHX	DA	3401	-	0,6,6	-	-	-		
56	OHX	CA	1766	-	0,6,6	-	-	-		
56	OHX	DA	3362	-	0,6,6	-	-	-		
56	OHX	BA	1769	-	0,6,6	-	-	-		
56	OHX	CA	1773	-	0,6,6	-	-	-		
56	OHX	BA	1802	-	0,6,6	-	-	-		
56	OHX	CA	1741	-	0,6,6	-	-	-		
56	OHX	DA	3455	-	0,6,6	-	-	-		
56	OHX	CA	1812	-	0,6,6	-	-	-		
56	OHX	DA	3403	-	0,6,6	-	-	-		
56	OHX	BG	302	-	0,6,6	-	-	-		
56	OHX	DA	3421	-	0,6,6	-	-	-		
56	OHX	BA	1730	-	0,6,6	-	-	-		
56	OHX	AA	3471	-	0,6,6	-	-	-		
56	OHX	AA	3541	-	0,6,6	-	-	-		
56	OHX	AA	3385	-	0,6,6	-	-	-		
56	OHX	AA	3543	-	0,6,6	-	-	-		
56	OHX	AA	3557	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
56	OHX	BA	1771	-	0,6,6	-	-	-		
56	OHX	BA	1809	-	0,6,6	-	-	-		
56	OHX	DA	3081	-	0,6,6	-	-	-		
56	OHX	CA	1810	-	0,6,6	-	-	-		
56	OHX	AA	3516	-	0,6,6	-	-	-		
56	OHX	AA	3389	-	0,6,6	-	-	-		
56	OHX	AB	213	-	0,6,6	-	-	-		
56	OHX	AA	3535	-	0,6,6	-	-	-		
56	OHX	AA	3418	-	0,6,6	-	-	-		
56	OHX	DA	3405	-	0,6,6	-	-	-		
56	OHX	CA	1813	-	0,6,6	-	-	-		
56	OHX	DA	3166	-	0,6,6	-	-	-		
56	OHX	DA	3212	-	0,6,6	-	-	-		
56	OHX	DA	3432	-	0,6,6	-	-	-		
56	OHX	AA	3468	-	0,6,6	-	-	-		
56	OHX	AO	202	-	0,6,6	-	-	-		
56	OHX	BA	1738	-	0,6,6	-	-	-		
56	OHX	AA	3354	-	0,6,6	-	-	-		
56	OHX	CA	1782	-	0,6,6	-	-	-		
56	OHX	CA	1793	-	0,6,6	-	-	-		
56	OHX	AA	3474	-	0,6,6	-	-	-		
56	OHX	AA	3533	-	0,6,6	-	-	-		
56	OHX	AA	3433	-	0,6,6	-	-	-		
56	OHX	AB	208	-	0,6,6	-	-	-		
56	OHX	DA	3068	-	0,6,6	-	-	-		
56	OHX	DA	3389	-	0,6,6	-	-	-		
56	OHX	AA	3398	-	0,6,6	-	-	-		
56	OHX	AW	101	-	0,6,6	-	-	-		
56	OHX	AA	3465	-	0,6,6	-	-	-		
56	OHX	AA	3488	-	0,6,6	-	-	-		
56	OHX	AA	3364	-	0,6,6	-	-	-		
56	OHX	AA	3436	-	0,6,6	-	-	-		
56	OHX	DA	3173	-	0,6,6	-	-	-		
56	OHX	CA	1769	-	0,6,6	-	-	-		
56	OHX	DA	3391	-	0,6,6	-	-	-		
56	OHX	DA	3355	-	0,6,6	-	-	-		
56	OHX	AA	3428	-	0,6,6	-	-	-		
56	OHX	AA	3362	-	0,6,6	-	-	-		
56	OHX	CA	1733	-	0,6,6	-	-	-		
56	OHX	AA	3410	-	0,6,6	-	-	-		
56	OHX	AA	3470	-	0,6,6	-	-	-		
56	OHX	DA	3254	-	0,6,6	-	-	-		
56	OHX	BL	201	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
56	OHX	DA	3482	-	0,6,6	-	-	-		
56	OHX	DA	3375	-	0,6,6	-	-	-		
56	OHX	AA	3413	-	0,6,6	-	-	-		
56	OHX	DA	3061	-	0,6,6	-	-	-		
56	OHX	CA	1749	-	0,6,6	-	-	-		
56	OHX	DA	3442	-	0,6,6	-	-	-		
56	OHX	CA	1725	-	0,6,6	-	-	-		
56	OHX	BA	1779	-	0,6,6	-	-	-		
56	OHX	CA	1784	-	0,6,6	-	-	-		
56	OHX	BA	1807	-	0,6,6	-	-	-		
56	OHX	DA	3064	-	0,6,6	-	-	-		
56	OHX	AA	3342	-	0,6,6	-	-	-		
56	OHX	DA	3365	-	0,6,6	-	-	-		
56	OHX	AE	304	-	0,6,6	-	-	-		
56	OHX	CA	1739	-	0,6,6	-	-	-		
56	OHX	BA	1808	-	0,6,6	-	-	-		
56	OHX	AA	3438	-	0,6,6	-	-	-		
56	OHX	BA	1719	-	0,6,6	-	-	-		
56	OHX	CA	1728	-	0,6,6	-	-	-		
56	OHX	AA	3437	-	0,6,6	-	-	-		
56	OHX	AA	3480	-	0,6,6	-	-	-		
56	OHX	BA	1718	-	0,6,6	-	-	-		
56	OHX	DA	3245	-	0,6,6	-	-	-		
56	OHX	DA	3357	-	0,6,6	-	-	-		
56	OHX	AA	3486	-	0,6,6	-	-	-		
56	OHX	BA	1744	-	0,6,6	-	-	-		
56	OHX	DA	3073	-	0,6,6	-	-	-		
56	OHX	AA	3464	-	0,6,6	-	-	-		
56	OHX	DA	3134	-	0,6,6	-	-	-		
56	OHX	AA	3432	-	0,6,6	-	-	-		
56	OHX	DA	3485	-	0,6,6	-	-	-		
56	OHX	DA	3172	-	0,6,6	-	-	-		
56	OHX	BA	1773	-	0,6,6	-	-	-		
56	OHX	AA	3358	-	0,6,6	-	-	-		
56	OHX	AA	3451	-	0,6,6	-	-	-		
56	OHX	AA	3491	-	0,6,6	-	-	-		
56	OHX	BA	1739	-	0,6,6	-	-	-		
56	OHX	DA	3397	-	0,6,6	-	-	-		
56	OHX	DA	3459	-	0,6,6	-	-	-		
56	OHX	AA	3414	-	0,6,6	-	-	-		
56	OHX	DA	3082	-	0,6,6	-	-	-		
56	OHX	DA	3381	-	0,6,6	-	-	-		
56	OHX	DA	3419	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
56	OHX	CA	1785	-	0,6,6	-	-	-		
56	OHX	DA	3407	-	0,6,6	-	-	-		
56	OHX	BC	107	-	0,6,6	-	-	-		
56	OHX	CA	1787	-	0,6,6	-	-	-		
56	OHX	DA	3476	-	0,6,6	-	-	-		
56	OHX	BA	1747	-	0,6,6	-	-	-		
56	OHX	AA	3507	-	0,6,6	-	-	-		
56	OHX	DA	3433	-	0,6,6	-	-	-		
56	OHX	DA	3105	-	0,6,6	-	-	-		
56	OHX	DA	3111	-	0,6,6	-	-	-		
56	OHX	CA	1814	-	0,6,6	-	-	-		
56	OHX	BA	1800	-	0,6,6	-	-	-		
56	OHX	DA	3132	-	0,6,6	-	-	-		
56	OHX	DA	3257	-	0,6,6	-	-	-		
56	OHX	DA	3398	-	0,6,6	-	-	-		
56	OHX	CB	105	-	0,6,6	-	-	-		
56	OHX	AA	3481	-	0,6,6	-	-	-		
56	OHX	CA	1731	-	0,6,6	-	-	-		
56	OHX	CA	1755	-	0,6,6	-	-	-		
56	OHX	AA	3368	-	0,6,6	-	-	-		
56	OHX	BA	1801	-	0,6,6	-	-	-		
56	OHX	CA	1754	-	0,6,6	-	-	-		
56	OHX	DA	3399	-	0,6,6	-	-	-		
56	OHX	DA	3163	-	0,6,6	-	-	-		
56	OHX	BA	1795	-	0,6,6	-	-	-		
56	OHX	AA	3531	-	0,6,6	-	-	-		
56	OHX	BA	1764	-	0,6,6	-	-	-		
56	OHX	AA	3369	-	0,6,6	-	-	-		
56	OHX	AA	3329	-	0,6,6	-	-	-		
56	OHX	AA	3383	-	0,6,6	-	-	-		
56	OHX	BA	1782	-	0,6,6	-	-	-		
56	OHX	CC	108	-	0,6,6	-	-	-		
56	OHX	DA	3487	-	0,6,6	-	-	-		
56	OHX	AA	3462	-	0,6,6	-	-	-		
56	OHX	DA	3386	-	0,6,6	-	-	-		
56	OHX	DA	3468	-	0,6,6	-	-	-		
56	OHX	AA	3381	-	0,6,6	-	-	-		
56	OHX	DA	3402	-	0,6,6	-	-	-		
56	OHX	BA	1784	-	0,6,6	-	-	-		
56	OHX	DA	3450	-	0,6,6	-	-	-		
56	OHX	BA	1783	-	0,6,6	-	-	-		
56	OHX	AA	3536	-	0,6,6	-	-	-		
56	OHX	AA	3563	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
56	OHX	DB	220	-	0,6,6	-	-	-		
56	OHX	CA	1802	-	0,6,6	-	-	-		
56	OHX	DA	3340	-	0,6,6	-	-	-		
56	OHX	CR	101	-	0,6,6	-	-	-		
56	OHX	CA	1740	-	0,6,6	-	-	-		
56	OHX	AA	3512	-	0,6,6	-	-	-		
56	OHX	AA	3427	-	0,6,6	-	-	-		
56	OHX	AA	3431	-	0,6,6	-	-	-		
56	OHX	AA	3408	-	0,6,6	-	-	-		
56	OHX	AA	3456	-	0,6,6	-	-	-		
56	OHX	BA	1749	-	0,6,6	-	-	-		
56	OHX	BA	1796	-	0,6,6	-	-	-		
56	OHX	DA	3377	-	0,6,6	-	-	-		
56	OHX	DA	3366	-	0,6,6	-	-	-		
56	OHX	AA	3330	-	0,6,6	-	-	-		
56	OHX	DA	3127	-	0,6,6	-	-	-		
56	OHX	DA	3435	-	0,6,6	-	-	-		
56	OHX	DA	3418	-	0,6,6	-	-	-		
56	OHX	CA	1780	-	0,6,6	-	-	-		
56	OHX	AA	3560	-	0,6,6	-	-	-		
56	OHX	AA	3564	-	0,6,6	-	-	-		
56	OHX	AA	3527	-	0,6,6	-	-	-		
56	OHX	BA	1798	-	0,6,6	-	-	-		
56	OHX	A3	102	-	0,6,6	-	-	-		
56	OHX	BA	1794	-	0,6,6	-	-	-		
56	OHX	DA	3087	-	0,6,6	-	-	-		
56	OHX	CA	1807	-	0,6,6	-	-	-		
56	OHX	DA	3415	-	0,6,6	-	-	-		
56	OHX	DB	214	-	0,6,6	-	-	-		
56	OHX	DA	3360	-	0,6,6	-	-	-		
56	OHX	AA	3445	-	0,6,6	-	-	-		
56	OHX	BA	1761	-	0,6,6	-	-	-		
56	OHX	AA	3435	-	0,6,6	-	-	-		
56	OHX	DA	3382	-	0,6,6	-	-	-		
56	OHX	DA	3170	-	0,6,6	-	-	-		
56	OHX	DA	3488	-	0,6,6	-	-	-		
56	OHX	DA	3364	-	0,6,6	-	-	-		
56	OHX	DB	210	-	0,6,6	-	-	-		
56	OHX	BA	1732	-	0,6,6	-	-	-		
56	OHX	AA	3341	-	0,6,6	-	-	-		
56	OHX	DA	3062	-	0,6,6	-	-	-		
56	OHX	AA	3349	-	0,6,6	-	-	-		
56	OHX	DA	3451	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
56	OHX	DA	3491	-	0,6,6	-	-	-		
56	OHX	AA	3446	-	0,6,6	-	-	-		
56	OHX	BA	1753	-	0,6,6	-	-	-		
56	OHX	AA	3492	-	0,6,6	-	-	-		
56	OHX	CC	109	-	0,6,6	-	-	-		
56	OHX	DB	215	-	0,6,6	-	-	-		
56	OHX	AA	3423	-	0,6,6	-	-	-		
56	OHX	BA	1762	-	0,6,6	-	-	-		
56	OHX	AA	3506	-	0,6,6	-	-	-		
56	OHX	DA	3371	-	0,6,6	-	-	-		
56	OHX	CA	1765	-	0,6,6	-	-	-		
56	OHX	CA	1803	-	0,6,6	-	-	-		
56	OHX	DA	3447	-	0,6,6	-	-	-		
56	OHX	CA	1808	-	0,6,6	-	-	-		
56	OHX	DA	3409	-	0,6,6	-	-	-		
56	OHX	AA	3545	-	0,6,6	-	-	-		
56	OHX	CD	101	-	0,6,6	-	-	-		
56	OHX	CA	1729	-	0,6,6	-	-	-		
56	OHX	AB	211	-	0,6,6	-	-	-		
56	OHX	AA	3496	-	0,6,6	-	-	-		
56	OHX	AA	3561	-	0,6,6	-	-	-		
56	OHX	AA	3374	-	0,6,6	-	-	-		
56	OHX	DA	3413	-	0,6,6	-	-	-		
56	OHX	AA	3411	-	0,6,6	-	-	-		
56	OHX	DA	3422	-	0,6,6	-	-	-		
56	OHX	AA	3395	-	0,6,6	-	-	-		
56	OHX	BA	1792	-	0,6,6	-	-	-		
56	OHX	CA	1792	-	0,6,6	-	-	-		
56	OHX	BA	1778	-	0,6,6	-	-	-		
56	OHX	CA	1798	-	0,6,6	-	-	-		
56	OHX	DA	3431	-	0,6,6	-	-	-		
56	OHX	DA	3486	-	0,6,6	-	-	-		
56	OHX	DA	3472	-	0,6,6	-	-	-		
56	OHX	DA	3367	-	0,6,6	-	-	-		
56	OHX	DA	3339	-	0,6,6	-	-	-		
56	OHX	CA	1806	-	0,6,6	-	-	-		
56	OHX	DA	3373	-	0,6,6	-	-	-		
56	OHX	AA	3384	-	0,6,6	-	-	-		
56	OHX	CV	101	-	0,6,6	-	-	-		
56	OHX	AA	3388	-	0,6,6	-	-	-		
56	OHX	BA	1720	-	0,6,6	-	-	-		
56	OHX	DA	3430	-	0,6,6	-	-	-		
56	OHX	DA	3224	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
56	OHX	BA	1742	-	0,6,6	-	-	-		
56	OHX	DB	218	-	0,6,6	-	-	-		
57	PAR	BA	1715	-	44,45,45	0.71	2 (4%)	63,67,67	1.74	12 (19%)
56	OHX	DA	3065	-	0,6,6	-	-	-		
56	OHX	DA	3465	-	0,6,6	-	-	-		
56	OHX	CA	1790	-	0,6,6	-	-	-		
56	OHX	DA	3223	-	0,6,6	-	-	-		
56	OHX	CA	1738	-	0,6,6	-	-	-		
56	OHX	CA	1756	-	0,6,6	-	-	-		
56	OHX	AA	3567	-	0,6,6	-	-	-		
56	OHX	AA	3460	-	0,6,6	-	-	-		
56	OHX	AA	3407	-	0,6,6	-	-	-		
56	OHX	AA	3475	-	0,6,6	-	-	-		
56	OHX	AA	3559	-	0,6,6	-	-	-		
56	OHX	BA	1774	-	0,6,6	-	-	-		
56	OHX	D5	102	-	0,6,6	-	-	-		
56	OHX	AA	3477	-	0,6,6	-	-	-		
56	OHX	BA	1797	-	0,6,6	-	-	-		
56	OHX	DA	3118	-	0,6,6	-	-	-		
56	OHX	DA	3356	-	0,6,6	-	-	-		
56	OHX	DA	3385	-	0,6,6	-	-	-		
56	OHX	AA	3401	-	0,6,6	-	-	-		
56	OHX	AA	3417	-	0,6,6	-	-	-		
56	OHX	BA	1751	-	0,6,6	-	-	-		
56	OHX	AA	3360	-	0,6,6	-	-	-		
56	OHX	DA	3215	-	0,6,6	-	-	-		
56	OHX	AA	3390	-	0,6,6	-	-	-		
56	OHX	AA	3473	-	0,6,6	-	-	-		
56	OHX	CA	1795	-	0,6,6	-	-	-		
56	OHX	DA	3249	-	0,6,6	-	-	-		
56	OHX	DA	3427	-	0,6,6	-	-	-		
56	OHX	AB	209	-	0,6,6	-	-	-		
56	OHX	DA	3429	-	0,6,6	-	-	-		
56	OHX	AA	3489	-	0,6,6	-	-	-		
56	OHX	CA	1770	-	0,6,6	-	-	-		
56	OHX	DA	3343	-	0,6,6	-	-	-		
56	OHX	AA	3359	-	0,6,6	-	-	-		
56	OHX	BA	1776	-	0,6,6	-	-	-		
56	OHX	AA	3394	-	0,6,6	-	-	-		
56	OHX	DA	3253	-	0,6,6	-	-	-		
56	OHX	DA	3453	-	0,6,6	-	-	-		
56	OHX	AA	3495	-	0,6,6	-	-	-		
56	OHX	DA	3481	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
56	OHX	BA	1793	-	0,6,6	-	-	-		
56	OHX	DB	219	-	0,6,6	-	-	-		
56	OHX	BA	1729	-	0,6,6	-	-	-		
56	OHX	CA	1804	-	0,6,6	-	-	-		
56	OHX	CA	1742	-	0,6,6	-	-	-		
56	OHX	CA	1748	-	0,6,6	-	-	-		
56	OHX	DA	3226	-	0,6,6	-	-	-		
56	OHX	CA	1815	-	0,6,6	-	-	-		
56	OHX	DA	3363	-	0,6,6	-	-	-		
56	OHX	DA	3159	-	0,6,6	-	-	-		
56	OHX	AA	3441	-	0,6,6	-	-	-		
56	OHX	AA	3478	-	0,6,6	-	-	-		
56	OHX	AB	215	-	0,6,6	-	-	-		
56	OHX	D3	101	-	0,6,6	-	-	-		
56	OHX	DA	3075	-	0,6,6	-	-	-		
56	OHX	AA	3514	-	0,6,6	-	-	-		
56	OHX	A6	101	-	0,6,6	-	-	-		
56	OHX	DF	301	-	0,6,6	-	-	-		
56	OHX	BC	105	-	0,6,6	-	-	-		
56	OHX	BD	102	-	0,6,6	-	-	-		
56	OHX	AA	3479	-	0,6,6	-	-	-		
56	OHX	DA	3384	-	0,6,6	-	-	-		
56	OHX	CA	1743	-	0,6,6	-	-	-		
56	OHX	AA	3550	-	0,6,6	-	-	-		
56	OHX	AA	3493	-	0,6,6	-	-	-		
56	OHX	DA	3467	-	0,6,6	-	-	-		
56	OHX	AA	3422	-	0,6,6	-	-	-		
56	OHX	AA	3469	-	0,6,6	-	-	-		
56	OHX	DA	3456	-	0,6,6	-	-	-		
56	OHX	AA	3440	-	0,6,6	-	-	-		
56	OHX	AA	3335	-	0,6,6	-	-	-		
56	OHX	AA	3452	-	0,6,6	-	-	-		
56	OHX	AA	3379	-	0,6,6	-	-	-		
56	OHX	CA	1801	-	0,6,6	-	-	-		
56	OHX	AB	207	-	0,6,6	-	-	-		

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
57	PAR	CA	1722	-	-	4/18/94/94	0/4/4/4
57	PAR	BA	1715	-	-	5/18/94/94	0/4/4/4

All (2) bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
57	BA	1715	PAR	C21-N21	-2.30	1.43	1.47
57	BA	1715	PAR	C31-C21	-2.16	1.50	1.53

The worst 5 of 26 bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
57	CA	1722	PAR	C11-O51-C51	5.05	123.58	113.72
57	CA	1722	PAR	C13-O52-C52	-4.64	106.98	117.98
57	BA	1715	PAR	C44-C34-C24	4.52	118.49	110.99
57	BA	1715	PAR	C11-O51-C51	4.28	122.08	113.72
57	CA	1722	PAR	C62-C12-N12	-4.23	102.59	110.94

There are no chirality outliers.

5 of 9 torsion outliers are listed below:

Mol	Chain	Res	Type	Atoms
57	CA	1722	PAR	O43-C43-C53-O53
57	CA	1722	PAR	C33-C43-C53-O53
57	CA	1722	PAR	C41-C51-C61-O61
57	BA	1715	PAR	C41-C51-C61-O61
57	BA	1715	PAR	O43-C43-C53-O53

There are no ring outliers.

332 monomers are involved in 465 short contacts:

Mol	Chain	Res	Type	Clashes	Symm-Clashes
56	BA	1724	OHX	1	0
56	CA	1734	OHX	2	0
56	BA	1734	OHX	1	0
56	CA	1759	OHX	1	0
56	DA	3438	OHX	1	0
56	CA	1726	OHX	1	0
56	DA	3379	OHX	2	0
56	CA	1727	OHX	1	0
56	DA	3336	OHX	1	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
56	AA	3416	OHX	3	0
56	AA	3370	OHX	1	0
56	DA	3221	OHX	2	0
56	BA	1756	OHX	1	0
56	DA	3470	OHX	2	0
56	AA	3466	OHX	1	0
56	CA	1750	OHX	1	0
56	AA	3331	OHX	1	0
56	BA	1791	OHX	3	0
56	BA	1746	OHX	1	0
56	AA	3540	OHX	1	0
56	AA	3391	OHX	2	0
56	AA	3373	OHX	1	0
56	AA	3361	OHX	1	0
56	AA	3376	OHX	1	0
56	AA	3333	OHX	1	0
56	AA	3371	OHX	1	0
56	BA	1789	OHX	1	0
56	AB	219	OHX	2	0
56	CA	1762	OHX	7	0
56	DA	3412	OHX	1	0
56	DA	3246	OHX	1	0
56	AA	3412	OHX	2	0
56	BA	1735	OHX	1	0
56	CA	1730	OHX	1	0
56	DA	3471	OHX	2	0
56	DB	213	OHX	1	0
56	AA	3365	OHX	4	0
56	DB	209	OHX	1	0
56	AA	3547	OHX	6	0
56	AA	3375	OHX	1	0
56	AA	3555	OHX	1	0
56	CC	110	OHX	1	0
56	CA	1764	OHX	1	0
56	BA	1811	OHX	2	0
56	CA	1811	OHX	1	0
56	AA	3347	OHX	1	0
56	DA	3426	OHX	1	0
56	DA	3176	OHX	1	0
56	DA	3484	OHX	1	0
56	CA	1775	OHX	1	0
56	AA	3351	OHX	1	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
56	BA	1790	OHX	1	0
56	CK	201	OHX	1	0
56	DA	3483	OHX	1	0
56	DA	3439	OHX	1	0
56	AA	3525	OHX	1	0
56	DA	3162	OHX	1	0
56	DA	3214	OHX	2	0
56	CA	1724	OHX	1	0
56	CA	1778	OHX	1	0
56	BA	1780	OHX	1	0
56	CA	1788	OHX	2	0
56	AA	3524	OHX	1	0
56	DA	3473	OHX	1	0
56	DA	3478	OHX	2	0
56	AA	3568	OHX	1	0
56	DA	3258	OHX	1	0
56	AA	3530	OHX	1	0
56	AA	3569	OHX	3	0
56	AA	3463	OHX	1	0
56	CB	104	OHX	1	0
56	DA	3251	OHX	1	0
56	DA	3103	OHX	3	0
56	BA	1721	OHX	3	0
56	BA	1805	OHX	1	0
56	BA	1806	OHX	2	0
56	BA	1799	OHX	1	0
56	DA	3411	OHX	1	0
56	DA	3388	OHX	2	0
57	CA	1722	PAR	1	0
56	DA	3441	OHX	1	0
56	DA	3437	OHX	1	0
56	AA	3392	OHX	1	0
56	DA	3083	OHX	1	0
56	BA	1760	OHX	1	0
56	AA	3377	OHX	1	0
56	AA	3546	OHX	1	0
56	AA	3453	OHX	2	0
56	BA	1728	OHX	1	0
56	AA	3419	OHX	1	0
56	DA	3337	OHX	1	0
56	AA	3415	OHX	3	0
56	DA	3374	OHX	3	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
56	DA	3346	OHX	1	0
56	DA	3395	OHX	1	0
56	CA	1776	OHX	1	0
56	AA	3346	OHX	1	0
56	DA	3376	OHX	1	0
56	DA	3489	OHX	2	0
56	D8	101	OHX	5	0
56	BA	1745	OHX	2	0
56	CA	1737	OHX	2	0
56	CA	1760	OHX	1	0
56	DA	3248	OHX	1	0
56	CA	1768	OHX	1	0
56	BA	1733	OHX	3	0
56	BA	1716	OHX	1	0
56	AA	3529	OHX	1	0
56	CA	1809	OHX	1	0
56	AA	3502	OHX	2	0
56	AA	3458	OHX	1	0
56	BC	106	OHX	1	0
56	CA	1751	OHX	1	0
56	AA	3405	OHX	1	0
56	DA	3410	OHX	2	0
56	BA	1788	OHX	1	0
56	DA	3099	OHX	1	0
56	BA	1717	OHX	1	0
56	DA	3443	OHX	1	0
56	DB	212	OHX	1	0
56	AA	3523	OHX	1	0
56	DA	3445	OHX	1	0
56	AB	218	OHX	1	0
56	AA	3556	OHX	1	0
56	DA	3444	OHX	2	0
56	AA	3505	OHX	1	0
56	AA	3509	OHX	1	0
56	AA	3558	OHX	2	0
56	DA	3341	OHX	1	0
56	AA	3504	OHX	4	0
56	CA	1735	OHX	1	0
56	BA	1812	OHX	1	0
56	AA	3494	OHX	1	0
56	CA	1779	OHX	3	0
56	BA	1772	OHX	2	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
56	BA	1755	OHX	1	0
56	BA	1813	OHX	2	0
56	BA	1766	OHX	1	0
56	DA	3416	OHX	1	0
56	AA	3553	OHX	1	0
56	AA	3554	OHX	1	0
56	DA	3400	OHX	2	0
56	DA	3255	OHX	1	0
56	AA	3551	OHX	2	0
56	DA	3406	OHX	1	0
56	DA	3461	OHX	1	0
56	AA	3350	OHX	1	0
56	AA	3538	OHX	2	0
56	AA	3447	OHX	1	0
56	AA	3467	OHX	1	0
56	AF	303	OHX	3	0
56	CA	1723	OHX	2	0
56	CA	1753	OHX	1	0
56	DA	3344	OHX	3	0
56	CA	1757	OHX	1	0
56	AA	3565	OHX	1	0
56	CA	1758	OHX	1	0
56	AA	3367	OHX	3	0
56	AA	3399	OHX	2	0
56	CA	1774	OHX	1	0
56	CA	1746	OHX	1	0
56	CA	1797	OHX	2	0
56	BA	1763	OHX	1	0
56	AA	3409	OHX	2	0
56	DA	3390	OHX	1	0
56	CA	1771	OHX	1	0
56	DA	3457	OHX	1	0
56	AA	3566	OHX	1	0
56	CA	1805	OHX	1	0
56	AO	203	OHX	1	0
56	CA	1786	OHX	1	0
56	AA	3497	OHX	2	0
56	DA	3368	OHX	1	0
56	DA	3428	OHX	2	0
56	DA	3454	OHX	1	0
56	DA	3169	OHX	1	0
56	CA	1777	OHX	1	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
56	DA	3348	OHX	1	0
56	AA	3487	OHX	1	0
56	BA	1770	OHX	1	0
56	BA	1785	OHX	5	0
56	BA	1757	OHX	1	0
56	BA	1775	OHX	1	0
56	DA	3401	OHX	1	0
56	CA	1766	OHX	1	0
56	DA	3362	OHX	1	0
56	CA	1773	OHX	1	0
56	BA	1802	OHX	4	0
56	CA	1741	OHX	2	0
56	DA	3403	OHX	2	0
56	BG	302	OHX	2	0
56	AA	3557	OHX	2	0
56	DA	3081	OHX	1	0
56	CA	1810	OHX	2	0
56	AA	3516	OHX	1	0
56	AB	213	OHX	1	0
56	AA	3535	OHX	1	0
56	AA	3418	OHX	1	0
56	DA	3212	OHX	1	0
56	AA	3468	OHX	1	0
56	AO	202	OHX	1	0
56	CA	1782	OHX	1	0
56	CA	1793	OHX	1	0
56	AA	3433	OHX	3	0
56	DA	3068	OHX	1	0
56	DA	3389	OHX	3	0
56	AA	3364	OHX	1	0
56	DA	3173	OHX	2	0
56	CA	1769	OHX	1	0
56	DA	3391	OHX	1	0
56	AA	3362	OHX	2	0
56	CA	1733	OHX	1	0
56	DA	3061	OHX	1	0
56	CA	1749	OHX	1	0
56	CA	1725	OHX	2	0
56	CA	1784	OHX	1	0
56	BA	1807	OHX	1	0
56	DA	3064	OHX	3	0
56	AA	3342	OHX	2	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
56	CA	1739	OHX	1	0
56	AA	3438	OHX	1	0
56	CA	1728	OHX	1	0
56	AA	3464	OHX	1	0
56	AA	3432	OHX	1	0
56	DA	3172	OHX	2	0
56	BA	1773	OHX	2	0
56	DA	3459	OHX	1	0
56	AA	3414	OHX	1	0
56	DA	3419	OHX	2	0
56	CA	1785	OHX	3	0
56	DA	3407	OHX	1	0
56	BA	1747	OHX	1	0
56	AA	3507	OHX	2	0
56	DA	3111	OHX	2	0
56	DA	3132	OHX	1	0
56	DA	3257	OHX	1	0
56	DA	3398	OHX	1	0
56	CB	105	OHX	1	0
56	AA	3481	OHX	1	0
56	CA	1731	OHX	1	0
56	CA	1755	OHX	1	0
56	BA	1801	OHX	1	0
56	DA	3399	OHX	1	0
56	AA	3531	OHX	1	0
56	AA	3329	OHX	1	0
56	AA	3383	OHX	1	0
56	CC	108	OHX	6	0
56	DA	3487	OHX	1	0
56	AA	3462	OHX	1	0
56	DA	3468	OHX	1	0
56	BA	1784	OHX	2	0
56	AA	3536	OHX	2	0
56	DB	220	OHX	1	0
56	DA	3340	OHX	1	0
56	CA	1740	OHX	1	0
56	AA	3512	OHX	1	0
56	BA	1796	OHX	1	0
56	DA	3377	OHX	2	0
56	AA	3330	OHX	5	0
56	DA	3127	OHX	1	0
56	DA	3418	OHX	1	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
56	AA	3560	OHX	1	0
56	AA	3527	OHX	1	0
56	A3	102	OHX	1	0
56	BA	1794	OHX	1	0
56	DA	3087	OHX	1	0
56	DA	3415	OHX	1	0
56	AA	3445	OHX	1	0
56	BA	1761	OHX	1	0
56	DA	3382	OHX	1	0
56	DA	3488	OHX	3	0
56	DA	3364	OHX	1	0
56	DB	210	OHX	1	0
56	BA	1732	OHX	1	0
56	DA	3062	OHX	1	0
56	AA	3423	OHX	1	0
56	BA	1762	OHX	1	0
56	AA	3506	OHX	1	0
56	CA	1803	OHX	1	0
56	AA	3545	OHX	1	0
56	CD	101	OHX	1	0
56	AA	3496	OHX	1	0
56	AA	3561	OHX	2	0
56	AA	3374	OHX	2	0
56	DA	3422	OHX	1	0
56	BA	1792	OHX	1	0
56	CA	1792	OHX	2	0
56	CA	1798	OHX	4	0
56	DA	3486	OHX	1	0
56	AA	3384	OHX	1	0
56	CV	101	OHX	1	0
56	AA	3388	OHX	2	0
56	BA	1720	OHX	1	0
56	DA	3430	OHX	1	0
57	BA	1715	PAR	3	0
56	DA	3465	OHX	1	0
56	CA	1790	OHX	2	0
56	DA	3223	OHX	1	0
56	CA	1738	OHX	2	0
56	CA	1756	OHX	2	0
56	AA	3567	OHX	1	0
56	AA	3407	OHX	1	0
56	AA	3475	OHX	1	0

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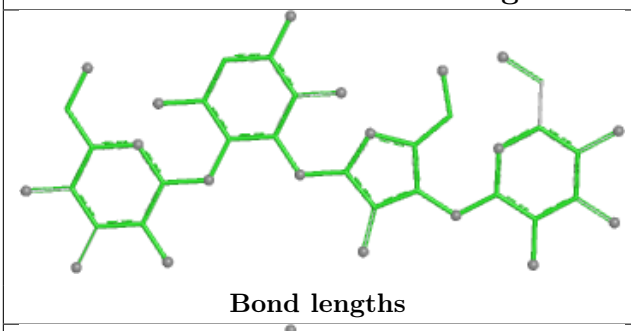
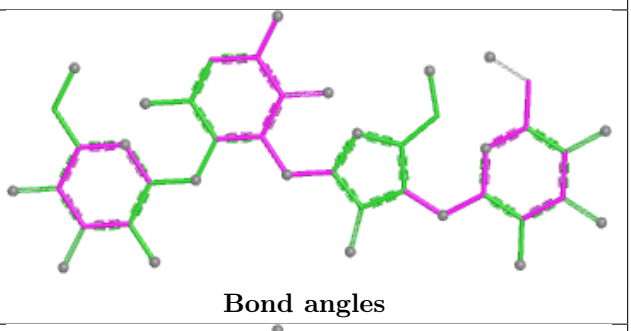
Mol	Chain	Res	Type	Clashes	Symm-Clashes
56	D5	102	OHX	1	0
56	DA	3118	OHX	1	0
56	DA	3385	OHX	2	0
56	AA	3417	OHX	1	0
56	DA	3215	OHX	1	0
56	AA	3473	OHX	2	0
56	DA	3427	OHX	3	0
56	AB	209	OHX	1	0
56	CA	1770	OHX	1	0
56	DA	3343	OHX	3	0
56	DA	3253	OHX	1	0
56	BA	1793	OHX	2	0
56	DB	219	OHX	1	0
56	CA	1742	OHX	1	0
56	CA	1815	OHX	1	0
56	DA	3159	OHX	1	0
56	AA	3441	OHX	1	0
56	AB	215	OHX	1	0
56	D3	101	OHX	1	0
56	AA	3514	OHX	1	0
56	A6	101	OHX	1	0
56	DF	301	OHX	1	0
56	BC	105	OHX	1	0
56	BD	102	OHX	1	0
56	AA	3479	OHX	1	0
56	DA	3384	OHX	1	0
56	AA	3550	OHX	1	0
56	AA	3422	OHX	1	0
56	AA	3335	OHX	1	0

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

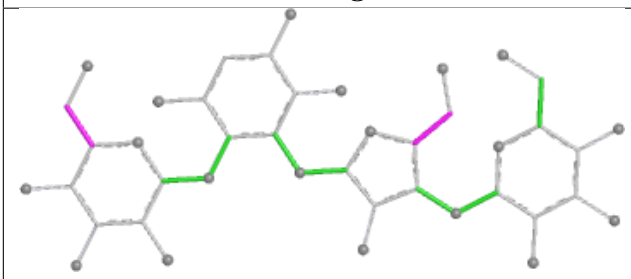
Ligand PAR CA 1722



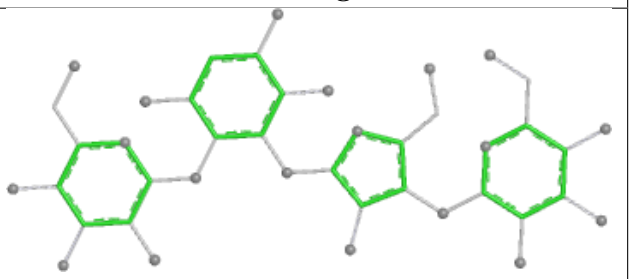
Bond lengths



Bond angles

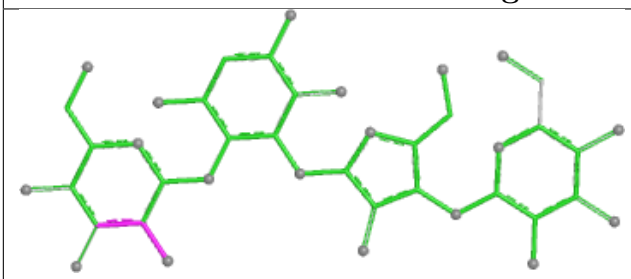


Torsions

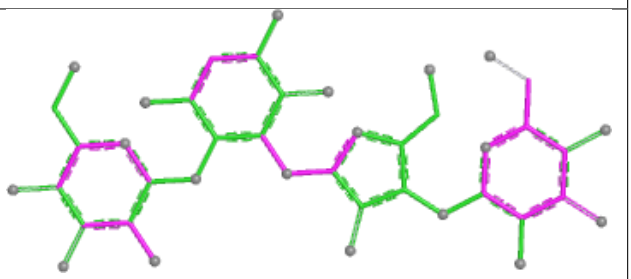


Rings

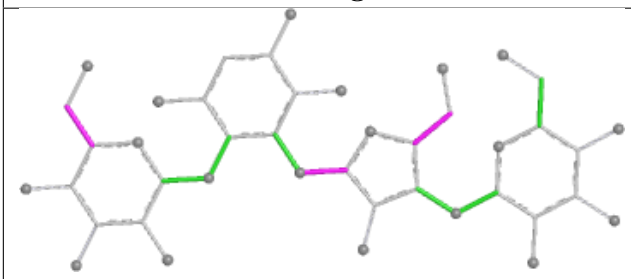
Ligand PAR BA 1715



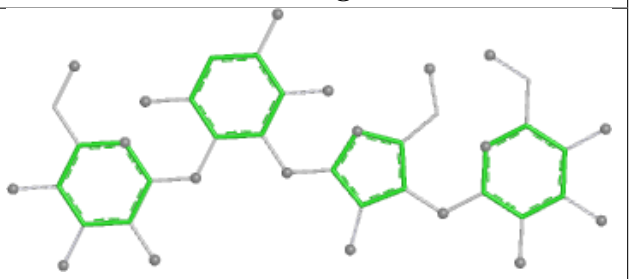
Bond lengths



Bond angles



Torsions



Rings

5.7 Other polymers

There are no such residues in this entry.

5.8 Polymer linkage issues

There are no chain breaks in this entry.

6 Fit of model and data

6.1 Protein, DNA and RNA chains

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

Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å^2)	Q<0.9
1	AA	2912/2912 (100%)	-0.62	12 (0%) 89 83	44, 79, 216, 250	0
1	DA	2907/2912 (99%)	-0.40	20 (0%) 84 75	56, 94, 236, 252	0
2	AB	122/122 (100%)	-0.64	0 100 100	77, 99, 118, 184	0
2	DB	122/122 (100%)	-0.34	1 (0%) 82 72	98, 129, 153, 204	0
3	AD	272/276 (98%)	-0.06	8 (2%) 54 40	42, 67, 88, 106	0
3	DD	272/276 (98%)	-0.11	5 (1%) 67 53	52, 78, 98, 130	0
4	AE	205/206 (99%)	0.08	8 (3%) 44 33	54, 90, 135, 147	0
4	DE	205/206 (99%)	0.22	11 (5%) 32 26	61, 102, 153, 167	0
5	AF	202/210 (96%)	-0.28	4 (1%) 64 50	49, 84, 121, 136	0
5	DF	208/210 (99%)	0.06	10 (4%) 36 28	63, 108, 164, 189	0
6	AG	181/182 (99%)	-0.21	5 (2%) 55 40	90, 112, 143, 155	0
6	DG	181/182 (99%)	0.52	13 (7%) 23 19	122, 146, 169, 175	0
7	AH	170/180 (94%)	-0.06	1 (0%) 85 78	89, 116, 133, 162	0
7	DH	170/180 (94%)	0.82	20 (11%) 10 10	162, 204, 226, 236	0
8	AK	146/148 (98%)	-0.01	3 (2%) 63 48	78, 134, 153, 155	0
8	DK	146/148 (98%)	0.51	21 (14%) 7 7	88, 135, 157, 163	0
9	AM	138/140 (98%)	0.12	5 (3%) 46 34	68, 92, 129, 141	0
9	DM	138/140 (98%)	0.12	2 (1%) 73 60	83, 117, 146, 159	0
10	AN	122/122 (100%)	-0.12	1 (0%) 82 72	61, 79, 96, 107	0
10	DN	122/122 (100%)	0.10	1 (0%) 82 72	75, 97, 114, 124	0
11	AO	150/150 (100%)	0.13	7 (4%) 37 28	46, 93, 120, 166	0
11	DO	150/150 (100%)	0.56	23 (15%) 6 6	45, 106, 147, 183	0
12	AP	141/141 (100%)	0.78	28 (19%) 3 3	58, 86, 108, 136	0
12	DP	141/141 (100%)	1.16	29 (20%) 3 3	58, 111, 143, 164	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å^2)	Q<0.9
13	A0	118/118 (100%)	-0.16	3 (2%) 58 43	57, 86, 110, 118	0
13	D0	117/118 (99%)	-0.29	1 (0%) 81 70	68, 89, 109, 124	0
14	AQ	111/112 (99%)	-0.32	2 (1%) 67 53	67, 97, 120, 133	0
14	DQ	111/112 (99%)	0.00	4 (3%) 46 34	85, 126, 150, 162	0
15	AR	137/146 (93%)	0.03	2 (1%) 71 58	75, 96, 149, 175	0
15	DR	137/146 (93%)	0.55	12 (8%) 17 16	81, 106, 168, 189	0
16	A1	117/118 (99%)	-0.05	2 (1%) 69 55	58, 81, 110, 142	0
16	D1	117/118 (99%)	-0.15	1 (0%) 81 70	71, 109, 145, 167	0
17	A2	101/101 (100%)	0.33	4 (3%) 43 32	51, 104, 126, 143	0
17	D2	101/101 (100%)	0.35	11 (10%) 12 12	65, 134, 147, 155	0
18	AS	113/113 (100%)	-0.16	0 100 100	61, 77, 108, 161	0
18	DS	113/113 (100%)	0.06	4 (3%) 47 35	66, 82, 116, 162	0
19	AT	92/96 (95%)	-0.20	0 100 100	59, 73, 99, 111	0
19	DT	92/96 (95%)	0.24	5 (5%) 32 26	74, 92, 117, 133	0
20	AU	102/110 (92%)	0.27	4 (3%) 44 33	79, 105, 156, 168	0
20	DU	102/110 (92%)	1.29	28 (27%) 2 1	97, 122, 169, 185	0
21	AV	175/206 (84%)	0.77	23 (13%) 8 8	90, 131, 195, 198	0
21	DV	179/206 (86%)	0.47	9 (5%) 35 28	127, 165, 214, 226	0
22	A3	76/85 (89%)	-0.23	0 100 100	65, 78, 95, 130	0
22	D3	77/85 (90%)	0.39	5 (6%) 26 21	78, 97, 119, 152	0
23	AZ	97/98 (98%)	0.26	7 (7%) 23 19	59, 79, 131, 161	0
23	DZ	97/98 (98%)	0.47	7 (7%) 23 19	69, 89, 136, 157	0
24	AW	66/72 (91%)	-0.15	3 (4%) 39 29	63, 87, 103, 128	0
24	DW	66/72 (91%)	0.01	2 (3%) 52 39	88, 112, 132, 142	0
25	AX	59/60 (98%)	-0.23	0 100 100	66, 86, 119, 134	0
25	DX	59/60 (98%)	-0.04	1 (1%) 69 55	87, 113, 146, 167	0
26	A4	66/71 (92%)	0.08	2 (3%) 52 39	130, 162, 180, 188	0
26	D4	63/71 (88%)	0.29	1 (1%) 70 57	149, 192, 200, 204	0
27	A5	59/60 (98%)	0.67	4 (6%) 25 20	54, 95, 172, 174	0
27	D5	59/60 (98%)	0.37	5 (8%) 18 17	61, 96, 179, 195	0
28	A6	45/54 (83%)	1.33	14 (31%) 1 1	129, 159, 174, 182	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å^2)	Q<0.9
28	D6	45/54 (83%)	1.58	15 (33%) 1 1	146, 174, 190, 192	0
29	A7	45/49 (91%)	-0.24	2 (4%) 39 30	46, 55, 72, 78	0
29	D7	45/49 (91%)	-0.17	1 (2%) 62 47	56, 66, 79, 96	0
30	A8	60/65 (92%)	0.39	7 (11%) 10 11	56, 74, 97, 120	0
30	D8	60/65 (92%)	1.24	12 (20%) 3 3	75, 91, 113, 138	0
31	BA	1502/1506 (99%)	-0.34	11 (0%) 84 75	58, 111, 193, 251	0
31	CA	1502/1506 (99%)	-0.26	27 (1%) 67 53	69, 122, 195, 251	0
32	BE	237/256 (92%)	0.09	7 (2%) 52 39	117, 150, 188, 200	0
32	CE	237/256 (92%)	0.10	7 (2%) 52 39	128, 166, 201, 216	0
33	BF	205/239 (85%)	0.16	6 (2%) 54 40	95, 124, 157, 167	0
33	CF	206/239 (86%)	0.44	13 (6%) 27 22	130, 151, 179, 185	0
34	BG	208/208 (100%)	0.16	6 (2%) 54 40	95, 119, 141, 152	0
34	CG	208/208 (100%)	0.22	5 (2%) 59 44	94, 114, 136, 151	0
35	BH	151/162 (93%)	-0.07	4 (2%) 57 42	81, 109, 130, 166	0
35	CH	151/162 (93%)	0.48	16 (10%) 13 12	106, 124, 148, 171	0
36	BI	101/101 (100%)	-0.31	2 (1%) 64 50	86, 111, 127, 152	0
36	CI	101/101 (100%)	-0.41	0 100 100	83, 108, 131, 149	0
37	BJ	155/156 (99%)	0.17	14 (9%) 17 15	109, 127, 154, 167	0
37	CJ	155/156 (99%)	0.22	7 (4%) 39 29	120, 136, 159, 167	0
38	BK	138/138 (100%)	-0.14	1 (0%) 84 75	90, 115, 128, 133	0
38	CK	138/138 (100%)	0.07	2 (1%) 73 60	105, 129, 141, 151	0
39	BL	127/128 (99%)	0.26	9 (7%) 23 20	98, 148, 166, 173	0
39	CL	127/128 (99%)	0.52	13 (10%) 13 13	118, 160, 175, 179	0
40	BM	99/105 (94%)	0.28	2 (2%) 64 50	93, 149, 177, 178	0
40	CM	99/105 (94%)	0.16	6 (6%) 28 23	128, 165, 180, 184	0
41	BN	119/129 (92%)	0.19	5 (4%) 41 31	81, 109, 138, 167	0
41	CN	119/129 (92%)	0.22	3 (2%) 58 43	89, 116, 144, 172	0
42	BO	125/132 (94%)	-0.01	4 (3%) 50 37	73, 86, 118, 162	0
42	CO	125/132 (94%)	0.15	7 (5%) 31 25	91, 113, 138, 172	0
43	BP	116/126 (92%)	-0.15	1 (0%) 81 70	97, 135, 151, 157	0
43	CP	117/126 (92%)	0.26	5 (4%) 40 30	108, 162, 175, 177	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å^2)	Q<0.9
44	BQ	58/61 (95%)	0.35	3 (5%) 34 27	96, 113, 128, 134	0
44	CQ	58/61 (95%)	0.35	2 (3%) 48 35	132, 145, 162, 167	0
45	BR	88/89 (98%)	-0.16	1 (1%) 77 66	81, 103, 125, 130	0
45	CR	88/89 (98%)	0.12	0 100 100	88, 116, 138, 145	0
46	BS	84/88 (95%)	0.50	2 (2%) 59 44	105, 122, 147, 180	0
46	CS	84/88 (95%)	0.20	2 (2%) 59 44	96, 108, 131, 164	0
47	BT	100/105 (95%)	0.06	5 (5%) 35 28	95, 114, 128, 135	0
47	CT	100/105 (95%)	0.42	9 (9%) 17 15	96, 117, 138, 149	0
48	BU	72/88 (81%)	-0.26	1 (1%) 73 60	94, 111, 147, 169	0
48	CU	72/88 (81%)	-0.40	3 (4%) 41 31	98, 120, 160, 178	0
49	BV	78/93 (83%)	-0.00	1 (1%) 74 61	113, 135, 155, 159	0
49	CV	78/93 (83%)	0.41	5 (6%) 27 22	146, 170, 187, 192	0
50	BW	99/106 (93%)	0.31	6 (6%) 28 23	113, 129, 159, 167	0
50	CW	99/106 (93%)	0.27	3 (3%) 52 39	100, 122, 157, 170	0
51	BX	25/27 (92%)	0.26	1 (4%) 43 32	110, 123, 139, 157	0
51	CX	25/27 (92%)	0.88	1 (4%) 43 32	126, 148, 165, 175	0
52	BB	84/85 (98%)	0.37	4 (4%) 36 28	98, 138, 163, 176	0
52	BD	84/85 (98%)	0.49	3 (3%) 46 34	78, 144, 223, 233	0
52	CB	84/85 (98%)	0.71	8 (9%) 15 14	113, 143, 166, 176	0
52	CD	84/85 (98%)	0.27	3 (3%) 46 34	86, 144, 222, 230	0
53	BC	77/77 (100%)	-0.12	0 100 100	82, 117, 146, 159	0
53	CC	77/77 (100%)	-0.21	1 (1%) 74 61	92, 127, 156, 164	0
54	B1	16/16 (100%)	1.11	5 (31%) 1 1	81, 117, 161, 169	0
54	C1	16/16 (100%)	1.69	5 (31%) 1 1	90, 122, 168, 176	0
All	All	21100/21658 (97%)	-0.08	698 (3%) 49 36	42, 108, 188, 252	0

The worst 5 of 698 RSRZ outliers are listed below:

Mol	Chain	Res	Type	RSRZ
39	CL	115	GLY	12.0
27	A5	2	ALA	11.0
39	CL	127	LYS	8.7
8	DK	11	ASN	8.2
39	CL	125	TYR	8.2

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

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

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
52	MIA	CB	38	29/30	0.79	0.15	99,111,127,136	0
52	MIA	CD	38	29/30	0.88	0.13	127,140,183,200	0
52	MIA	BB	38	29/30	0.92	0.12	92,99,110,128	0
52	MIA	BD	38	29/30	0.92	0.14	126,140,181,195	0

6.3 Carbohydrates (i)

There are no monosaccharides in this entry.

6.4 Ligands (i)

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

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	CA	1628	1/1	0.13	0.29	137,137,137,137	0
55	MG	BB	105	1/1	0.30	0.14	94,94,94,94	0
55	MG	CA	1672	1/1	0.30	0.17	125,125,125,125	0
55	MG	BA	1630	1/1	0.35	0.34	109,109,109,109	0
55	MG	BB	104	1/1	0.40	0.17	100,100,100,100	0
55	MG	BA	1704	1/1	0.41	0.19	127,127,127,127	0
55	MG	BB	108	1/1	0.42	0.15	80,80,80,80	0
55	MG	DA	3320	1/1	0.43	0.18	132,132,132,132	0
55	MG	DA	3323	1/1	0.43	0.29	100,100,100,100	0
55	MG	DA	3259	1/1	0.45	0.29	114,114,114,114	0
55	MG	CA	1665	1/1	0.45	0.28	114,114,114,114	0
55	MG	AA	3055	1/1	0.45	0.30	88,88,88,88	0
56	OHX	CB	105	7/7	0.45	0.14	139,142,156,183	2
55	MG	DA	3053	1/1	0.46	0.32	116,116,116,116	0
55	MG	CA	1616	1/1	0.47	0.40	100,100,100,100	0
55	MG	BA	1695	1/1	0.48	0.20	132,132,132,132	0
55	MG	BA	1706	1/1	0.51	0.32	111,111,111,111	0
55	MG	AA	3071	1/1	0.53	0.33	84,84,84,84	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	DA	3200	1/1	0.54	0.58	86,86,86,86	0
55	MG	DA	3303	1/1	0.55	0.14	97,97,97,97	0
55	MG	CA	1626	1/1	0.55	0.28	124,124,124,124	0
55	MG	AA	3291	1/1	0.56	0.22	99,99,99,99	0
55	MG	BB	113	1/1	0.56	0.14	80,80,80,80	0
56	OHX	DB	220	7/7	0.56	0.09	159,162,171,208	1
56	OHX	BA	1804	7/7	0.57	0.12	147,154,164,208	1
55	MG	DA	3307	1/1	0.58	0.26	119,119,119,119	0
55	MG	AA	3083	1/1	0.58	0.32	94,94,94,94	0
56	OHX	CB	106	7/7	0.58	0.12	97,107,117,126	6
55	MG	BA	1685	1/1	0.58	0.35	93,93,93,93	0
56	OHX	CR	101	7/7	0.59	0.09	143,150,160,179	1
55	MG	BA	1649	1/1	0.59	0.37	92,92,92,92	0
55	MG	CA	1681	1/1	0.60	0.25	111,111,111,111	0
55	MG	CA	1686	1/1	0.60	0.27	110,110,110,110	0
55	MG	CA	1687	1/1	0.60	0.36	104,104,104,104	0
55	MG	DA	3298	1/1	0.61	0.23	102,102,102,102	0
55	MG	BA	1613	1/1	0.61	0.22	116,116,116,116	0
55	MG	AA	3200	1/1	0.61	0.26	82,82,82,82	0
55	MG	BA	1700	1/1	0.61	0.15	119,119,119,119	0
55	MG	AA	3306	1/1	0.61	0.25	100,100,100,100	0
55	MG	BC	104	1/1	0.63	0.33	88,88,88,88	0
55	MG	CA	1719	1/1	0.63	0.33	94,94,94,94	0
56	OHX	AA	3505	7/7	0.63	0.09	143,150,161,212	1
55	MG	DA	3044	1/1	0.63	0.22	100,100,100,100	0
55	MG	AA	3078	1/1	0.64	0.28	97,97,97,97	0
55	MG	DA	3201	1/1	0.64	0.38	86,86,86,86	0
55	MG	BA	1670	1/1	0.64	0.19	100,100,100,100	0
55	MG	DA	3284	1/1	0.64	0.30	89,89,89,89	0
55	MG	CA	1691	1/1	0.64	0.19	128,128,128,128	0
55	MG	DA	3205	1/1	0.65	0.22	106,106,106,106	0
55	MG	C1	102	1/1	0.65	0.25	104,104,104,104	0
55	MG	CA	1623	1/1	0.65	0.32	96,96,96,96	0
55	MG	DA	3296	1/1	0.65	0.21	103,103,103,103	0
55	MG	DA	3048	1/1	0.65	0.40	93,93,93,93	0
55	MG	CA	1615	1/1	0.66	0.27	109,109,109,109	0
55	MG	BA	1612	1/1	0.67	0.32	100,100,100,100	0
55	MG	BA	1677	1/1	0.67	0.32	101,101,101,101	0
55	MG	AA	3343	1/1	0.67	0.16	92,92,92,92	0
55	MG	DB	201	1/1	0.67	0.17	95,95,95,95	0
55	MG	C1	101	1/1	0.67	0.26	102,102,102,102	0
55	MG	CA	1708	1/1	0.68	0.12	95,95,95,95	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	BA	1602	1/1	0.68	0.16	66,66,66,66	0
56	OHX	AA	3507	7/7	0.68	0.14	120,135,161,172	2
56	OHX	DB	219	7/7	0.68	0.09	147,161,178,209	1
55	MG	AA	3209	1/1	0.68	0.26	86,86,86,86	0
55	MG	AA	3372	1/1	0.69	0.18	80,80,80,80	0
55	MG	CA	1630	1/1	0.69	0.26	86,86,86,86	0
55	MG	BB	111	1/1	0.69	0.09	80,80,80,80	0
55	MG	DA	3242	1/1	0.69	0.20	99,99,99,99	0
56	OHX	CA	1797	7/7	0.69	0.17	129,132,139,171	1
55	MG	BA	1709	1/1	0.70	0.12	68,68,68,68	0
55	MG	CA	1609	1/1	0.70	0.30	112,112,112,112	0
56	OHX	AA	3538	7/7	0.70	0.13	95,101,128,162	1
55	MG	BA	1625	1/1	0.70	0.20	66,66,66,66	0
55	MG	DA	3030	1/1	0.70	0.36	94,94,94,94	0
55	MG	CA	1720	1/1	0.71	0.34	110,110,110,110	0
55	MG	BB	102	1/1	0.71	0.12	92,92,92,92	0
55	MG	BA	1686	1/1	0.71	0.22	100,100,100,100	0
55	MG	AA	3236	1/1	0.71	0.40	66,66,66,66	0
55	MG	DA	3039	1/1	0.71	0.24	102,102,102,102	0
55	MG	BA	1655	1/1	0.71	0.30	84,84,84,84	0
55	MG	AA	3311	1/1	0.71	0.26	90,90,90,90	0
56	OHX	CB	104	7/7	0.71	0.09	175,181,183,194	1
55	MG	AA	3048	1/1	0.71	0.21	91,91,91,91	0
55	MG	CA	1629	1/1	0.71	0.08	166,166,166,166	0
55	MG	DA	3322	1/1	0.71	0.17	152,152,152,152	0
55	MG	BA	1639	1/1	0.71	0.33	101,101,101,101	0
56	OHX	BA	1813	7/7	0.72	0.09	151,161,170,205	1
55	MG	AA	3096	1/1	0.72	0.38	76,76,76,76	0
55	MG	DA	3153	1/1	0.72	0.41	69,69,69,69	0
55	MG	CA	1674	1/1	0.72	0.43	97,97,97,97	0
55	MG	AA	3112	1/1	0.72	0.20	87,87,87,87	0
55	MG	AA	3178	1/1	0.72	0.36	76,76,76,76	0
55	MG	AA	3054	1/1	0.72	0.28	83,83,83,83	0
55	MG	DA	3256	1/1	0.72	0.23	89,89,89,89	0
55	MG	AA	3310	1/1	0.73	0.28	71,71,71,71	0
56	OHX	AA	3492	7/7	0.73	0.11	139,142,151,196	1
55	MG	BB	107	1/1	0.73	0.10	80,80,80,80	0
55	MG	AA	3301	1/1	0.73	0.12	97,97,97,97	0
55	MG	AA	3313	1/1	0.73	0.36	82,82,82,82	0
55	MG	BA	1711	1/1	0.73	0.34	90,90,90,90	0
55	MG	CA	1704	1/1	0.73	0.10	135,135,135,135	0
56	OHX	CA	1784	7/7	0.73	0.12	127,135,151,190	1

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	DA	3049	1/1	0.73	0.22	104,104,104,104	0
55	MG	AA	3322	1/1	0.73	0.23	81,81,81,81	0
55	MG	BB	103	1/1	0.73	0.12	105,105,105,105	0
55	MG	DA	3158	1/1	0.73	0.42	88,88,88,88	0
55	MG	AA	3090	1/1	0.73	0.34	78,78,78,78	0
55	MG	CC	104	1/1	0.73	0.26	89,89,89,89	0
55	MG	DA	3325	1/1	0.73	0.25	91,91,91,91	0
55	MG	BA	1708	1/1	0.74	0.13	80,80,80,80	0
55	MG	DA	3293	1/1	0.74	0.28	88,88,88,88	0
55	MG	CA	1689	1/1	0.74	0.23	80,80,80,80	0
55	MG	DA	3326	1/1	0.74	0.38	90,90,90,90	0
55	MG	BA	1636	1/1	0.74	0.29	111,111,111,111	0
55	MG	AA	3230	1/1	0.74	0.36	72,72,72,72	0
55	MG	BA	1680	1/1	0.74	0.22	64,64,64,64	0
55	MG	DA	3310	1/1	0.74	0.19	73,73,73,73	0
56	OHX	DA	3223	7/7	0.74	0.12	126,133,144,169	1
56	OHX	DA	3453	7/7	0.74	0.08	145,153,160,191	1
56	OHX	AA	3512	7/7	0.74	0.13	110,115,138,180	2
55	MG	CA	1661	1/1	0.74	0.51	83,83,83,83	0
56	OHX	AA	3530	7/7	0.75	0.13	117,123,125,163	1
55	MG	AA	3215	1/1	0.75	0.26	69,69,69,69	0
55	MG	DA	3033	1/1	0.75	0.26	82,82,82,82	0
55	MG	DA	3035	1/1	0.75	0.27	95,95,95,95	0
55	MG	CA	1700	1/1	0.75	0.22	97,97,97,97	0
55	MG	AA	3118	1/1	0.75	0.17	69,69,69,69	0
55	MG	CA	1617	1/1	0.75	0.16	126,126,126,126	0
55	MG	DA	3327	1/1	0.75	0.19	73,73,73,73	0
55	MG	CA	1682	1/1	0.75	0.25	107,107,107,107	0
56	OHX	AA	3456	7/7	0.75	0.11	111,115,132,161	3
55	MG	CA	1685	1/1	0.75	0.33	104,104,104,104	0
55	MG	CA	1631	1/1	0.75	0.26	74,74,74,74	0
55	MG	AA	3079	1/1	0.75	0.37	67,67,67,67	0
55	MG	AA	3270	1/1	0.75	0.24	90,90,90,90	0
55	MG	CA	1662	1/1	0.76	0.37	92,92,92,92	0
55	MG	CA	1624	1/1	0.76	0.20	114,114,114,114	0
55	MG	BA	1673	1/1	0.76	0.36	75,75,75,75	0
55	MG	DA	3287	1/1	0.76	0.21	102,102,102,102	0
55	MG	DA	3288	1/1	0.76	0.21	82,82,82,82	0
55	MG	DA	3047	1/1	0.76	0.25	79,79,79,79	0
55	MG	DA	3294	1/1	0.76	0.16	74,74,74,74	0
56	OHX	AB	218	7/7	0.76	0.09	138,141,157,181	1
56	OHX	BA	1795	7/7	0.76	0.10	152,159,163,204	1

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	AA	3092	1/1	0.76	0.15	92,92,92,92	0
55	MG	CA	1712	1/1	0.76	0.14	83,83,83,83	0
55	MG	BA	1696	1/1	0.76	0.28	94,94,94,94	0
55	MG	DA	3060	1/1	0.76	0.35	77,77,77,77	0
55	MG	DA	3072	1/1	0.76	0.09	93,93,93,93	0
55	MG	DA	3096	1/1	0.76	0.14	85,85,85,85	0
55	MG	BA	1699	1/1	0.76	0.30	84,84,84,84	0
55	MG	CA	1683	1/1	0.76	0.39	79,79,79,79	0
55	MG	AA	3295	1/1	0.76	0.31	89,89,89,89	0
55	MG	CA	1649	1/1	0.76	0.21	92,92,92,92	0
56	OHX	DB	213	7/7	0.76	0.10	125,144,157,169	2
55	MG	CA	1654	1/1	0.76	0.20	89,89,89,89	0
55	MG	AA	3334	1/1	0.76	0.14	90,90,90,90	0
55	MG	CA	1627	1/1	0.77	0.17	126,126,126,126	0
56	OHX	CA	1788	7/7	0.77	0.12	138,144,149,176	1
55	MG	DA	3313	1/1	0.77	0.26	88,88,88,88	0
55	MG	BA	1683	1/1	0.77	0.33	85,85,85,85	0
55	MG	AA	3062	1/1	0.77	0.20	97,97,97,97	0
55	MG	CB	101	1/1	0.77	0.17	105,105,105,105	0
55	MG	BA	1703	1/1	0.77	0.25	90,90,90,90	0
55	MG	AA	3181	1/1	0.77	0.44	71,71,71,71	0
56	OHX	BA	1794	7/7	0.77	0.10	156,163,165,204	1
55	MG	CA	1641	1/1	0.77	0.45	85,85,85,85	0
55	MG	AA	3321	1/1	0.77	0.32	41,41,41,41	0
55	MG	AA	3300	1/1	0.77	0.22	81,81,81,81	0
56	OHX	AA	3451	7/7	0.78	0.14	79,96,106,142	1
55	MG	DA	3304	1/1	0.78	0.10	89,89,89,89	0
55	MG	DA	3279	1/1	0.78	0.24	68,68,68,68	0
55	MG	AA	3148	1/1	0.78	0.23	69,69,69,69	0
56	OHX	CA	1804	7/7	0.78	0.13	145,149,162,192	1
55	MG	BA	1688	1/1	0.78	0.15	79,79,79,79	0
55	MG	AA	3051	1/1	0.78	0.38	69,69,69,69	0
55	MG	CA	1713	1/1	0.78	0.23	114,114,114,114	0
55	MG	AA	3106	1/1	0.78	0.28	72,72,72,72	0
55	MG	AA	3285	1/1	0.78	0.27	77,77,77,77	0
56	OHX	DA	3441	7/7	0.78	0.15	114,122,135,176	1
56	OHX	BA	1792	7/7	0.78	0.10	118,131,146,181	1
55	MG	DA	3266	1/1	0.78	0.19	88,88,88,88	0
56	OHX	DB	217	7/7	0.78	0.12	135,139,157,196	1
55	MG	DA	3302	1/1	0.78	0.32	98,98,98,98	0
55	MG	DA	3276	1/1	0.78	0.33	78,78,78,78	0
56	OHX	CA	1755	7/7	0.79	0.11	119,128,149,178	1

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	DA	3278	1/1	0.79	0.37	84,84,84,84	0
55	MG	DA	3181	1/1	0.79	0.28	98,98,98,98	0
56	OHX	AA	3506	7/7	0.79	0.13	104,115,126,178	1
55	MG	DA	3199	1/1	0.79	0.43	77,77,77,77	0
55	MG	CA	1660	1/1	0.79	0.30	97,97,97,97	0
55	MG	CA	1614	1/1	0.79	0.22	118,118,118,118	0
55	MG	AA	3249	1/1	0.79	0.19	81,81,81,81	0
55	MG	CA	1640	1/1	0.79	0.30	77,77,77,77	0
56	OHX	DA	3124	7/7	0.79	0.10	144,164,170,220	1
56	OHX	DA	3127	7/7	0.79	0.11	118,132,150,170	2
56	OHX	BA	1778	7/7	0.79	0.16	125,131,152,191	1
56	OHX	BA	1786	7/7	0.79	0.09	133,136,154,188	1
55	MG	AA	3222	1/1	0.79	0.24	85,85,85,85	0
56	OHX	DA	3473	7/7	0.79	0.09	138,151,163,196	1
55	MG	AB	202	1/1	0.79	0.22	80,80,80,80	0
55	MG	CA	1675	1/1	0.79	0.36	94,94,94,94	0
56	OHX	DB	218	7/7	0.79	0.11	134,141,153,171	1
55	MG	DA	3270	1/1	0.79	0.62	73,73,73,73	0
55	MG	BA	1657	1/1	0.79	0.28	87,87,87,87	0
55	MG	CA	1608	1/1	0.80	0.23	76,76,76,76	0
56	OHX	CA	1785	7/7	0.80	0.15	125,126,143,155	1
55	MG	AA	3120	1/1	0.80	0.35	74,74,74,74	0
56	OHX	AA	3529	7/7	0.80	0.11	114,130,134,179	1
56	OHX	CA	1799	7/7	0.80	0.11	142,145,160,170	1
55	MG	BA	1705	1/1	0.80	0.17	109,109,109,109	0
56	OHX	CA	1812	7/7	0.80	0.11	134,141,149,203	1
55	MG	DA	3191	1/1	0.80	0.28	66,66,66,66	0
56	OHX	AA	3539	7/7	0.80	0.09	130,133,143,179	1
56	OHX	AA	3541	7/7	0.80	0.08	131,134,141,173	1
56	OHX	AA	3546	7/7	0.80	0.12	101,114,120,164	2
56	OHX	AA	3567	7/7	0.80	0.08	125,135,148,181	2
55	MG	DA	3267	1/1	0.80	0.20	82,82,82,82	0
56	OHX	BA	1750	7/7	0.80	0.12	112,129,139,168	1
56	OHX	DA	3413	7/7	0.80	0.19	103,122,138,176	1
55	MG	AA	3282	1/1	0.80	0.17	103,103,103,103	0
55	MG	DA	3330	1/1	0.80	0.31	81,81,81,81	0
55	MG	BA	1637	1/1	0.80	0.28	99,99,99,99	0
56	OHX	DA	3482	7/7	0.80	0.09	128,142,154,190	1
55	MG	AA	3135	1/1	0.80	0.30	66,66,66,66	0
55	MG	CA	1601	1/1	0.80	0.29	75,75,75,75	0
55	MG	DA	3209	1/1	0.80	0.27	64,64,64,64	0
55	MG	DA	3210	1/1	0.80	0.41	73,73,73,73	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	DA	3314	1/1	0.80	0.16	70,70,70,70	0
56	OHX	BB	115	7/7	0.81	0.07	90,109,116,116	3
55	MG	DA	3291	1/1	0.81	0.18	66,66,66,66	0
56	OHX	CA	1774	7/7	0.81	0.14	137,150,161,190	1
56	OHX	AA	3480	7/7	0.81	0.10	111,119,135,158	2
55	MG	AA	3296	1/1	0.81	0.27	69,69,69,69	0
56	OHX	CA	1786	7/7	0.81	0.09	163,163,175,198	1
55	MG	AA	3157	1/1	0.81	0.37	86,86,86,86	0
55	MG	AA	3324	1/1	0.81	0.25	84,84,84,84	0
55	MG	BA	1628	1/1	0.81	0.47	95,95,95,95	0
55	MG	BA	1681	1/1	0.81	0.35	64,64,64,64	0
56	OHX	CA	1811	7/7	0.81	0.10	126,129,137,159	1
56	OHX	AA	3520	7/7	0.81	0.15	88,95,98,151	2
56	OHX	CA	1813	7/7	0.81	0.07	138,144,151,179	1
55	MG	AA	3162	1/1	0.81	0.21	48,48,48,48	0
55	MG	AA	3089	1/1	0.81	0.22	130,130,130,130	0
55	MG	AA	3357	1/1	0.81	0.23	69,69,69,69	0
55	MG	DA	3244	1/1	0.81	0.32	82,82,82,82	0
55	MG	BS	101	1/1	0.81	0.19	81,81,81,81	0
55	MG	AA	3226	1/1	0.81	0.38	68,68,68,68	0
56	OHX	AA	3551	7/7	0.81	0.14	97,115,123,153	1
56	OHX	DA	3251	7/7	0.81	0.14	102,112,141,176	3
55	MG	DA	3318	1/1	0.81	0.10	110,110,110,110	0
56	OHX	DA	3423	7/7	0.81	0.08	127,140,151,201	1
55	MG	BA	1691	1/1	0.81	0.32	87,87,87,87	0
55	MG	CA	1619	1/1	0.81	0.29	92,92,92,92	0
55	MG	DA	3066	1/1	0.81	0.26	77,77,77,77	0
56	OHX	DA	3479	7/7	0.81	0.06	150,159,164,201	1
56	OHX	DA	3480	7/7	0.81	0.11	125,130,144,190	1
55	MG	CA	1715	1/1	0.81	0.14	80,80,80,80	0
56	OHX	DA	3489	7/7	0.81	0.10	117,121,134,153	1
55	MG	AB	201	1/1	0.81	0.22	85,85,85,85	0
55	MG	DA	3117	1/1	0.81	0.23	82,82,82,82	0
55	MG	AA	3127	1/1	0.81	0.34	45,45,45,45	0
55	MG	BB	106	1/1	0.81	0.36	102,102,102,102	0
55	MG	AA	3156	1/1	0.81	0.15	80,80,80,80	0
55	MG	BA	1608	1/1	0.82	0.18	89,89,89,89	0
55	MG	BA	1635	1/1	0.82	0.18	86,86,86,86	0
55	MG	DA	3041	1/1	0.82	0.33	79,79,79,79	0
55	MG	AA	3325	1/1	0.82	0.45	75,75,75,75	0
56	OHX	AA	3417	7/7	0.82	0.15	90,102,131,147	3
56	OHX	AA	3420	7/7	0.82	0.14	112,125,135,178	2

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	CA	1690	1/1	0.82	0.21	93,93,93,93	0
55	MG	BA	1690	1/1	0.82	0.13	81,81,81,81	0
55	MG	AA	3269	1/1	0.82	0.22	59,59,59,59	0
56	OHX	AA	3484	7/7	0.82	0.10	123,137,150,203	1
55	MG	CA	1701	1/1	0.82	0.22	109,109,109,109	0
55	MG	CA	1622	1/1	0.82	0.24	89,89,89,89	0
55	MG	CA	1707	1/1	0.82	0.22	97,97,97,97	0
55	MG	BA	1692	1/1	0.82	0.25	73,73,73,73	0
55	MG	CA	1664	1/1	0.82	0.18	57,57,57,57	0
55	MG	DA	3102	1/1	0.82	0.28	76,76,76,76	0
56	OHX	AA	3523	7/7	0.82	0.08	112,123,137,155	1
55	MG	DA	3112	1/1	0.82	0.44	85,85,85,85	0
55	MG	BA	1638	1/1	0.82	0.30	104,104,104,104	0
55	MG	DA	3145	1/1	0.82	0.39	82,82,82,82	0
55	MG	DA	3151	1/1	0.82	0.20	62,62,62,62	0
55	MG	CA	1667	1/1	0.82	0.36	78,78,78,78	0
55	MG	AA	3302	1/1	0.82	0.31	72,72,72,72	0
55	MG	BD	101	1/1	0.82	0.19	103,103,103,103	0
56	OHX	AA	3554	7/7	0.82	0.08	138,143,153,173	1
56	OHX	DA	3447	7/7	0.82	0.09	122,140,155,176	2
55	MG	BB	101	1/1	0.82	0.11	95,95,95,95	0
56	OHX	DA	3470	7/7	0.82	0.07	152,169,191,193	1
55	MG	CC	103	1/1	0.82	0.30	97,97,97,97	0
56	OHX	DA	3475	7/7	0.82	0.11	126,139,148,175	1
55	MG	CA	1678	1/1	0.82	0.13	97,97,97,97	0
56	OHX	BA	1776	7/7	0.82	0.14	119,138,152,176	2
55	MG	CC	107	1/1	0.82	0.25	80,80,80,80	0
55	MG	CA	1605	1/1	0.82	0.29	75,75,75,75	0
56	OHX	BA	1788	7/7	0.82	0.12	123,136,147,176	1
55	MG	DA	3208	1/1	0.82	0.37	61,61,61,61	0
55	MG	BA	1647	1/1	0.82	0.30	66,66,66,66	0
55	MG	AA	3211	1/1	0.82	0.22	58,58,58,58	0
55	MG	CA	1639	1/1	0.82	0.49	69,69,69,69	0
56	OHX	D3	101	7/7	0.82	0.09	129,139,156,171	2
55	MG	AA	3038	1/1	0.83	0.28	68,68,68,68	0
56	OHX	CA	1787	7/7	0.83	0.13	117,122,135,155	1
55	MG	BC	102	1/1	0.83	0.29	65,65,65,65	0
56	OHX	AA	3524	7/7	0.83	0.10	115,120,140,187	1
55	MG	AA	3284	1/1	0.83	0.25	68,68,68,68	0
55	MG	AA	3231	1/1	0.83	0.31	57,57,57,57	0
56	OHX	CA	1806	7/7	0.83	0.09	138,150,153,181	1
55	MG	DA	3085	1/1	0.83	0.33	53,53,53,53	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	AA	3233	1/1	0.83	0.24	82,82,82,82	0
55	MG	AA	3137	1/1	0.83	0.26	74,74,74,74	0
56	OHX	AA	3544	7/7	0.83	0.08	118,127,137,169	1
55	MG	AA	3144	1/1	0.83	0.27	43,43,43,43	0
55	MG	BA	1648	1/1	0.83	0.27	86,86,86,86	0
55	MG	AA	3262	1/1	0.83	0.27	62,62,62,62	0
56	OHX	DA	3105	7/7	0.83	0.10	134,136,144,206	1
55	MG	DA	3010	1/1	0.83	0.32	47,47,47,47	0
55	MG	DA	3333	1/1	0.83	0.27	84,84,84,84	0
56	OHX	DA	3176	7/7	0.83	0.09	162,165,176,192	1
55	MG	DA	3017	1/1	0.83	0.38	66,66,66,66	0
56	OHX	DA	3226	7/7	0.83	0.14	120,131,144,175	1
56	OHX	BA	1766	7/7	0.83	0.13	108,139,151,181	2
56	OHX	DA	3253	7/7	0.83	0.11	141,144,160,190	1
56	OHX	DA	3258	7/7	0.83	0.10	103,111,118,148	1
55	MG	AA	3043	1/1	0.83	0.34	75,75,75,75	0
55	MG	AA	3075	1/1	0.83	0.19	78,78,78,78	0
56	OHX	BA	1780	7/7	0.83	0.09	115,123,136,153	1
55	MG	BA	1668	1/1	0.83	0.29	64,64,64,64	0
55	MG	DA	3038	1/1	0.83	0.24	77,77,77,77	0
56	OHX	DA	3463	7/7	0.83	0.08	142,149,156,188	1
55	MG	DA	3295	1/1	0.83	0.34	77,77,77,77	0
56	OHX	DA	3472	7/7	0.83	0.08	162,171,176,223	1
56	OHX	AA	3481	7/7	0.83	0.14	88,92,119,127	2
55	MG	AA	3279	1/1	0.83	0.54	90,90,90,90	0
55	MG	CA	1621	1/1	0.83	0.13	110,110,110,110	0
56	OHX	AA	3497	7/7	0.83	0.12	105,127,139,145	1
56	OHX	BR	101	7/7	0.83	0.07	132,137,152,164	1
56	OHX	BB	114	7/7	0.83	0.11	176,178,180,206	1
56	OHX	AA	3502	7/7	0.83	0.07	128,135,148,184	1
56	OHX	DB	216	7/7	0.83	0.11	123,138,155,204	1
55	MG	BA	1672	1/1	0.83	0.29	82,82,82,82	0
56	OHX	CA	1767	7/7	0.83	0.12	110,139,162,203	1
55	MG	BA	1633	1/1	0.83	0.28	77,77,77,77	0
55	MG	BA	1701	1/1	0.83	0.20	68,68,68,68	0
55	MG	BA	1675	1/1	0.83	0.40	87,87,87,87	0
55	MG	AA	3309	1/1	0.84	0.37	77,77,77,77	0
55	MG	AA	3131	1/1	0.84	0.42	62,62,62,62	0
56	OHX	CA	1808	7/7	0.84	0.07	163,164,177,210	1
55	MG	DA	3067	1/1	0.84	0.12	82,82,82,82	0
55	MG	AA	3287	1/1	0.84	0.30	66,66,66,66	0
55	MG	CA	1643	1/1	0.84	0.28	68,68,68,68	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	OHX	CA	1815	7/7	0.84	0.09	158,163,177,221	1
55	MG	CA	1644	1/1	0.84	0.18	89,89,89,89	0
56	OHX	AA	3552	7/7	0.84	0.13	96,106,128,164	1
55	MG	AB	205	1/1	0.84	0.23	68,68,68,68	0
55	MG	AA	3168	1/1	0.84	0.27	36,36,36,36	0
56	OHX	AB	216	7/7	0.84	0.12	106,124,147,185	1
55	MG	BA	1642	1/1	0.84	0.24	69,69,69,69	0
55	MG	DB	203	1/1	0.84	0.15	121,121,121,121	0
55	MG	DB	207	1/1	0.84	0.19	70,70,70,70	0
55	MG	AA	3074	1/1	0.84	0.24	90,90,90,90	0
55	MG	DA	3146	1/1	0.84	0.21	33,33,33,33	0
56	OHX	AA	3447	7/7	0.84	0.09	110,120,136,163	1
56	OHX	BA	1781	7/7	0.84	0.10	115,133,141,174	1
55	MG	DA	3020	1/1	0.84	0.31	60,60,60,60	0
55	MG	BA	1610	1/1	0.84	0.22	75,75,75,75	0
56	OHX	BA	1791	7/7	0.84	0.09	122,123,136,173	1
55	MG	AA	3275	1/1	0.84	0.41	71,71,71,71	0
55	MG	AA	3277	1/1	0.84	0.52	94,94,94,94	0
55	MG	AA	3056	1/1	0.84	0.22	55,55,55,55	0
55	MG	AA	3141	1/1	0.84	0.23	80,80,80,80	0
55	MG	AA	3250	1/1	0.84	0.27	55,55,55,55	0
56	OHX	AA	3498	7/7	0.84	0.09	120,126,136,160	2
55	MG	DA	3299	1/1	0.84	0.30	67,67,67,67	0
56	OHX	DA	3474	7/7	0.84	0.16	120,126,143,173	1
55	MG	DA	3043	1/1	0.84	0.33	73,73,73,73	0
56	OHX	BD	104	7/7	0.84	0.13	94,101,103,107	3
55	MG	AA	3307	1/1	0.84	0.21	72,72,72,72	0
55	MG	CA	1610	1/1	0.84	0.27	87,87,87,87	0
56	OHX	AA	3511	7/7	0.84	0.09	133,137,167,178	2
55	MG	CA	1716	1/1	0.84	0.34	79,79,79,79	0
56	OHX	AA	3514	7/7	0.84	0.09	126,137,144,183	1
55	MG	CA	1718	1/1	0.84	0.13	84,84,84,84	0
55	MG	DA	3311	1/1	0.84	0.25	63,63,63,63	0
55	MG	DA	3237	1/1	0.84	0.26	85,85,85,85	0
55	MG	DA	3239	1/1	0.84	0.14	79,79,79,79	0
55	MG	CA	1679	1/1	0.84	0.12	87,87,87,87	0
55	MG	AA	3155	1/1	0.85	0.12	79,79,79,79	0
56	OHX	CC	108	7/7	0.85	0.09	130,137,148,169	1
55	MG	CA	1618	1/1	0.85	0.09	82,82,82,82	0
55	MG	DA	3097	1/1	0.85	0.36	67,67,67,67	0
55	MG	DA	3100	1/1	0.85	0.29	87,87,87,87	0
55	MG	CA	1659	1/1	0.85	0.18	116,116,116,116	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	AA	3314	1/1	0.85	0.20	63,63,63,63	0
55	MG	CA	1699	1/1	0.85	0.30	86,86,86,86	0
55	MG	DA	3142	1/1	0.85	0.31	76,76,76,76	0
55	MG	AA	3316	1/1	0.85	0.14	79,79,79,79	0
55	MG	AA	3084	1/1	0.85	0.09	104,104,104,104	0
55	MG	AA	3110	1/1	0.85	0.20	76,76,76,76	0
55	MG	AA	3160	1/1	0.85	0.26	69,69,69,69	0
56	OHX	AA	3540	7/7	0.85	0.09	104,109,137,150	2
56	OHX	CA	1775	7/7	0.85	0.09	139,154,159,200	1
55	MG	CA	1666	1/1	0.85	0.24	75,75,75,75	0
56	OHX	DA	3455	7/7	0.85	0.09	139,144,150,194	1
55	MG	AA	3297	1/1	0.85	0.08	80,80,80,80	0
56	OHX	DA	3468	7/7	0.85	0.09	143,146,150,189	1
55	MG	AA	3059	1/1	0.85	0.25	77,77,77,77	0
55	MG	AA	3166	1/1	0.85	0.28	41,41,41,41	0
55	MG	AA	3012	1/1	0.85	0.26	45,45,45,45	0
56	OHX	CA	1789	7/7	0.85	0.08	152,164,170,204	1
56	OHX	AA	3454	7/7	0.85	0.09	103,116,132,145	1
55	MG	AA	3044	1/1	0.85	0.30	42,42,42,42	0
55	MG	AA	3281	1/1	0.85	0.16	93,93,93,93	0
56	OHX	DA	3481	7/7	0.85	0.09	136,140,149,177	1
55	MG	AA	3052	1/1	0.85	0.24	71,71,71,71	0
55	MG	AB	204	1/1	0.85	0.35	80,80,80,80	0
56	OHX	AA	3488	7/7	0.85	0.08	155,156,163,203	1
56	OHX	DB	215	7/7	0.85	0.09	147,149,158,191	1
55	MG	AA	3193	1/1	0.85	0.36	86,86,86,86	0
56	OHX	AA	3494	7/7	0.85	0.08	112,122,130,153	1
55	MG	DA	3233	1/1	0.85	0.21	65,65,65,65	0
55	MG	AA	3245	1/1	0.85	0.23	70,70,70,70	0
55	MG	BA	1607	1/1	0.85	0.17	102,102,102,102	0
55	MG	DA	3076	1/1	0.85	0.47	54,54,54,54	0
55	MG	AA	3140	1/1	0.86	0.27	70,70,70,70	0
55	MG	DA	3192	1/1	0.86	0.31	60,60,60,60	0
56	OHX	AA	3559	7/7	0.86	0.08	123,137,143,179	1
55	MG	DA	3196	1/1	0.86	0.34	54,54,54,54	0
55	MG	CC	101	1/1	0.86	0.27	79,79,79,79	0
55	MG	AA	3111	1/1	0.86	0.19	69,69,69,69	0
56	OHX	AB	219	7/7	0.86	0.10	112,116,126,139	1
56	OHX	A1	204	7/7	0.86	0.11	107,117,147,182	3
55	MG	CA	1692	1/1	0.86	0.35	104,104,104,104	0
55	MG	CA	1694	1/1	0.86	0.31	89,89,89,89	0
56	OHX	BA	1772	7/7	0.86	0.09	165,176,177,219	1

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	AA	3130	1/1	0.86	0.30	43,43,43,43	0
56	OHX	DA	3109	7/7	0.86	0.10	99,116,138,153	1
56	OHX	DA	3111	7/7	0.86	0.09	118,129,134,197	1
55	MG	BA	1656	1/1	0.86	0.34	73,73,73,73	0
55	MG	AA	3243	1/1	0.86	0.36	62,62,62,62	0
56	OHX	DA	3173	7/7	0.86	0.10	157,163,175,202	1
55	MG	DA	3232	1/1	0.86	0.41	63,63,63,63	0
56	OHX	BA	1782	7/7	0.86	0.08	137,145,154,180	1
56	OHX	BA	1783	7/7	0.86	0.09	121,130,148,178	1
56	OHX	BA	1785	7/7	0.86	0.07	117,124,136,144	2
55	MG	DA	3090	1/1	0.86	0.24	54,54,54,54	0
56	OHX	AA	3499	7/7	0.86	0.12	107,112,120,152	1
56	OHX	DA	3407	7/7	0.86	0.10	124,134,145,191	1
55	MG	CA	1676	1/1	0.86	0.27	78,78,78,78	0
55	MG	BA	1702	1/1	0.86	0.25	84,84,84,84	0
56	OHX	DA	3437	7/7	0.86	0.10	113,120,134,160	1
55	MG	DA	3317	1/1	0.86	0.31	85,85,85,85	0
55	MG	CA	1625	1/1	0.86	0.25	87,87,87,87	0
56	OHX	DA	3450	7/7	0.86	0.09	133,139,150,199	1
56	OHX	DA	3452	7/7	0.86	0.10	99,118,125,155	1
56	OHX	BA	1798	7/7	0.86	0.09	135,136,153,212	1
56	OHX	DA	3454	7/7	0.86	0.07	136,143,163,191	1
56	OHX	BA	1799	7/7	0.86	0.07	170,176,182,227	1
55	MG	CA	1656	1/1	0.86	0.35	94,94,94,94	0
56	OHX	DA	3465	7/7	0.86	0.08	123,136,143,165	1
56	OHX	BA	1810	7/7	0.86	0.11	138,141,150,186	1
55	MG	AA	3102	1/1	0.86	0.19	52,52,52,52	0
56	OHX	AA	3513	7/7	0.86	0.12	120,125,139,159	2
55	MG	DA	3113	1/1	0.86	0.23	73,73,73,73	0
55	MG	DA	3037	1/1	0.86	0.39	73,73,73,73	0
55	MG	CA	1714	1/1	0.86	0.24	84,84,84,84	0
55	MG	AA	3081	1/1	0.86	0.24	81,81,81,81	0
56	OHX	AA	3527	7/7	0.86	0.06	147,148,161,187	1
56	OHX	AA	3528	7/7	0.86	0.21	119,125,142,174	1
55	MG	DA	3328	1/1	0.86	0.21	99,99,99,99	0
56	OHX	DA	3484	7/7	0.86	0.10	109,123,139,168	1
56	OHX	DA	3488	7/7	0.86	0.17	87,112,131,159	1
55	MG	BA	1689	1/1	0.86	0.12	80,80,80,80	0
56	OHX	DA	3490	7/7	0.86	0.12	103,106,122,159	3
55	MG	DA	3148	1/1	0.86	0.53	50,50,50,50	0
55	MG	AA	3100	1/1	0.86	0.30	58,58,58,58	0
55	MG	AA	3256	1/1	0.86	0.40	52,52,52,52	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	AA	3138	1/1	0.86	0.17	78,78,78,78	0
55	MG	DE	301	1/1	0.86	0.34	52,52,52,52	0
55	MG	DA	3178	1/1	0.86	0.35	58,58,58,58	0
56	OHX	AA	3548	7/7	0.86	0.08	125,128,143,177	1
55	MG	CA	1721	1/1	0.86	0.17	80,80,80,80	0
56	OHX	D5	102	7/7	0.86	0.10	114,129,141,158	1
55	MG	A3	101	1/1	0.87	0.37	71,71,71,71	0
55	MG	AA	3308	1/1	0.87	0.23	63,63,63,63	0
55	MG	DA	3120	1/1	0.87	0.24	52,52,52,52	0
56	OHX	DA	3220	7/7	0.87	0.13	141,154,156,201	1
55	MG	DA	3131	1/1	0.87	0.23	72,72,72,72	0
55	MG	AA	3151	1/1	0.87	0.25	46,46,46,46	0
55	MG	CA	1637	1/1	0.87	0.33	69,69,69,69	0
55	MG	AA	3224	1/1	0.87	0.13	79,79,79,79	0
55	MG	BA	1643	1/1	0.87	0.11	67,67,67,67	0
55	MG	AA	3161	1/1	0.87	0.21	57,57,57,57	0
56	OHX	AA	3536	7/7	0.87	0.12	99,110,129,173	2
56	OHX	BL	201	7/7	0.87	0.08	145,153,159,202	1
55	MG	DB	202	1/1	0.87	0.14	98,98,98,98	0
56	OHX	DA	3439	7/7	0.87	0.10	127,146,152,174	1
56	OHX	DA	3440	7/7	0.87	0.07	142,144,161,189	1
55	MG	DA	3277	1/1	0.87	0.14	89,89,89,89	0
55	MG	BA	1687	1/1	0.87	0.25	96,96,96,96	0
55	MG	AA	3142	1/1	0.87	0.36	75,75,75,75	0
56	OHX	AA	3543	7/7	0.87	0.07	145,150,162,204	1
55	MG	DA	3177	1/1	0.87	0.31	61,61,61,61	0
56	OHX	AA	3545	7/7	0.87	0.12	92,105,127,145	2
55	MG	AA	3066	1/1	0.87	0.27	62,62,62,62	0
55	MG	DA	3059	1/1	0.87	0.24	40,40,40,40	0
55	MG	BA	1615	1/1	0.87	0.29	78,78,78,78	0
56	OHX	DA	3467	7/7	0.87	0.09	133,139,156,192	1
55	MG	BA	1616	1/1	0.87	0.18	101,101,101,101	0
55	MG	CA	1657	1/1	0.87	0.25	81,81,81,81	0
55	MG	AA	3125	1/1	0.87	0.20	63,63,63,63	0
55	MG	BA	1667	1/1	0.87	0.38	73,73,73,73	0
55	MG	AA	3318	1/1	0.87	0.19	75,75,75,75	0
55	MG	DA	3203	1/1	0.87	0.24	69,69,69,69	0
56	OHX	DA	3477	7/7	0.87	0.07	153,157,164,211	1
55	MG	AA	3172	1/1	0.87	0.34	71,71,71,71	0
55	MG	AA	3174	1/1	0.87	0.09	91,91,91,91	0
56	OHX	BA	1743	7/7	0.87	0.18	79,96,129,159	2
56	OHX	AA	3495	7/7	0.87	0.10	106,114,133,188	1

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	OHX	BA	1754	7/7	0.87	0.10	136,144,152,183	1
56	OHX	BA	1765	7/7	0.87	0.16	91,107,120,150	3
55	MG	BB	112	1/1	0.87	0.10	80,80,80,80	0
55	MG	AE	301	1/1	0.87	0.35	51,51,51,51	0
55	MG	DA	3211	1/1	0.87	0.30	57,57,57,57	0
55	MG	DA	3216	1/1	0.87	0.34	71,71,71,71	0
55	MG	DA	3228	1/1	0.87	0.35	58,58,58,58	0
55	MG	DA	3101	1/1	0.87	0.19	59,59,59,59	0
56	OHX	DA	3091	7/7	0.87	0.12	103,121,134,170	1
55	MG	BA	1674	1/1	0.87	0.20	67,67,67,67	0
56	OHX	AA	3509	7/7	0.87	0.11	91,109,142,150	3
55	MG	DA	3235	1/1	0.87	0.29	66,66,66,66	0
55	MG	AO	201	1/1	0.87	0.27	66,66,66,66	0
55	MG	BA	1652	1/1	0.88	0.38	68,68,68,68	0
55	MG	AA	3234	1/1	0.88	0.19	68,68,68,68	0
56	OHX	AA	3436	7/7	0.88	0.13	90,93,119,164	1
55	MG	AA	3235	1/1	0.88	0.17	57,57,57,57	0
55	MG	DA	3023	1/1	0.88	0.28	70,70,70,70	0
55	MG	DA	3029	1/1	0.88	0.23	70,70,70,70	0
56	OHX	DA	3103	7/7	0.88	0.13	94,102,107,128	2
56	OHX	AA	3455	7/7	0.88	0.08	173,192,201,215	1
55	MG	AA	3117	1/1	0.88	0.15	90,90,90,90	0
56	OHX	AA	3459	7/7	0.88	0.12	91,107,133,162	1
55	MG	BA	1619	1/1	0.88	0.25	64,64,64,64	0
55	MG	BA	1621	1/1	0.88	0.26	77,77,77,77	0
56	OHX	DA	3165	7/7	0.88	0.08	123,135,143,168	1
55	MG	CA	1646	1/1	0.88	0.23	79,79,79,79	0
55	MG	BA	1622	1/1	0.88	0.21	92,92,92,92	0
55	MG	CA	1653	1/1	0.88	0.21	75,75,75,75	0
55	MG	AA	3195	1/1	0.88	0.31	58,58,58,58	0
55	MG	DA	3183	1/1	0.88	0.14	99,99,99,99	0
55	MG	AA	3039	1/1	0.88	0.33	50,50,50,50	0
55	MG	BA	1629	1/1	0.88	0.24	79,79,79,79	0
55	MG	AA	3119	1/1	0.88	0.17	86,86,86,86	0
56	OHX	AA	3500	7/7	0.88	0.09	118,131,153,193	1
55	MG	AB	206	1/1	0.88	0.30	77,77,77,77	0
56	OHX	AA	3503	7/7	0.88	0.13	99,108,119,150	1
56	OHX	DA	3436	7/7	0.88	0.08	121,133,143,171	1
55	MG	AA	3105	1/1	0.88	0.32	65,65,65,65	0
55	MG	BA	1712	1/1	0.88	0.11	74,74,74,74	0
56	OHX	BA	1797	7/7	0.88	0.12	117,130,138,173	1
55	MG	DA	3202	1/1	0.88	0.23	65,65,65,65	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	OHX	DA	3446	7/7	0.88	0.09	118,121,142,162	1
56	OHX	AA	3508	7/7	0.88	0.07	192,206,214,236	1
56	OHX	DA	3448	7/7	0.88	0.07	134,147,163,206	1
55	MG	BA	1714	1/1	0.88	0.30	83,83,83,83	0
55	MG	AA	3124	1/1	0.88	0.26	88,88,88,88	0
55	MG	BW	201	1/1	0.88	0.33	92,92,92,92	0
55	MG	AA	3069	1/1	0.88	0.26	54,54,54,54	0
55	MG	BA	1601	1/1	0.88	0.28	57,57,57,57	0
55	MG	AA	3087	1/1	0.88	0.13	82,82,82,82	0
55	MG	DA	3078	1/1	0.88	0.29	42,42,42,42	0
56	OHX	DA	3466	7/7	0.88	0.12	116,124,134,165	2
56	OHX	BC	106	7/7	0.88	0.10	119,120,134,160	1
55	MG	BA	1604	1/1	0.88	0.17	69,69,69,69	0
56	OHX	DA	3469	7/7	0.88	0.08	116,119,133,163	1
56	OHX	AA	3526	7/7	0.88	0.12	87,90,101,128	1
55	MG	AA	3147	1/1	0.88	0.33	49,49,49,49	0
55	MG	DA	3092	1/1	0.88	0.20	74,74,74,74	0
55	MG	CB	102	1/1	0.88	0.11	80,80,80,80	0
56	OHX	CA	1782	7/7	0.88	0.08	134,137,147,160	1
56	OHX	DA	3476	7/7	0.88	0.09	126,136,143,174	1
55	MG	AA	3128	1/1	0.88	0.31	53,53,53,53	0
55	MG	AA	3070	1/1	0.88	0.22	56,56,56,56	0
55	MG	DA	3331	1/1	0.88	0.10	69,69,69,69	0
55	MG	AA	3101	1/1	0.88	0.21	47,47,47,47	0
55	MG	DA	3334	1/1	0.88	0.24	75,75,75,75	0
55	MG	CC	106	1/1	0.88	0.35	75,75,75,75	0
56	OHX	DA	3486	7/7	0.88	0.10	123,132,147,175	1
55	MG	BB	110	1/1	0.88	0.07	80,80,80,80	0
56	OHX	CA	1798	7/7	0.88	0.07	116,126,129,163	1
55	MG	BA	1650	1/1	0.88	0.18	85,85,85,85	0
56	OHX	CA	1802	7/7	0.88	0.09	130,138,148,200	1
55	MG	DB	204	1/1	0.88	0.15	76,76,76,76	0
55	MG	DB	205	1/1	0.88	0.18	64,64,64,64	0
55	MG	DB	206	1/1	0.88	0.41	81,81,81,81	0
55	MG	DA	3114	1/1	0.88	0.29	37,37,37,37	0
55	MG	CA	1684	1/1	0.88	0.32	82,82,82,82	0
56	OHX	AA	3408	7/7	0.88	0.10	107,111,135,163	1
56	OHX	AA	3412	7/7	0.88	0.08	119,122,141,174	1
56	OHX	CK	201	7/7	0.88	0.10	143,148,155,179	1
56	OHX	BA	1811	7/7	0.89	0.11	110,118,135,147	1
55	MG	AA	3076	1/1	0.89	0.14	81,81,81,81	0
55	MG	DA	3086	1/1	0.89	0.35	51,51,51,51	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	DA	3272	1/1	0.89	0.12	57,57,57,57	0
56	OHX	AA	3549	7/7	0.89	0.14	96,102,109,128	2
56	OHX	DA	3255	7/7	0.89	0.12	93,104,107,143	1
55	MG	DA	3275	1/1	0.89	0.33	53,53,53,53	0
56	OHX	DA	3362	7/7	0.89	0.11	83,98,103,158	1
56	OHX	DA	3399	7/7	0.89	0.10	104,107,123,144	2
55	MG	AA	3068	1/1	0.89	0.11	92,92,92,92	0
56	OHX	BD	102	7/7	0.89	0.08	170,180,207,224	1
56	OHX	AA	3553	7/7	0.89	0.09	160,165,172,209	1
56	OHX	CA	1754	7/7	0.89	0.10	116,125,134,168	1
55	MG	AA	3045	1/1	0.89	0.14	33,33,33,33	0
56	OHX	DA	3438	7/7	0.89	0.07	120,135,146,170	1
56	OHX	CA	1759	7/7	0.89	0.09	125,133,140,148	1
55	MG	AA	3252	1/1	0.89	0.36	52,52,52,52	0
56	OHX	AA	3560	7/7	0.89	0.10	132,136,153,192	1
55	MG	AA	3132	1/1	0.89	0.52	48,48,48,48	0
56	OHX	AB	213	7/7	0.89	0.11	88,108,129,159	3
56	OHX	CA	1783	7/7	0.89	0.14	113,117,137,164	1
55	MG	AA	3259	1/1	0.89	0.12	60,60,60,60	0
55	MG	AA	3292	1/1	0.89	0.38	62,62,62,62	0
55	MG	CA	1670	1/1	0.89	0.18	95,95,95,95	0
56	OHX	A1	203	7/7	0.89	0.12	97,103,123,154	1
55	MG	DA	3106	1/1	0.89	0.29	80,80,80,80	0
56	OHX	DA	3462	7/7	0.89	0.09	154,157,165,208	1
56	OHX	BA	1737	7/7	0.89	0.10	120,131,149,172	1
55	MG	AA	3208	1/1	0.89	0.28	62,62,62,62	0
55	MG	AA	3170	1/1	0.89	0.42	69,69,69,69	0
55	MG	CC	105	1/1	0.89	0.31	66,66,66,66	0
56	OHX	BA	1761	7/7	0.89	0.08	136,147,154,197	1
55	MG	AA	3134	1/1	0.89	0.33	48,48,48,48	0
55	MG	DA	3297	1/1	0.89	0.20	70,70,70,70	0
56	OHX	AA	3367	7/7	0.89	0.14	69,72,90,147	3
56	OHX	CA	1809	7/7	0.89	0.07	150,160,169,213	1
56	OHX	AA	3519	7/7	0.89	0.10	103,114,126,154	1
55	MG	DA	3119	1/1	0.89	0.22	38,38,38,38	0
56	OHX	AA	3521	7/7	0.89	0.10	103,107,119,167	2
55	MG	BA	1713	1/1	0.89	0.30	81,81,81,81	0
56	OHX	DA	3478	7/7	0.89	0.10	106,110,128,170	1
55	MG	DA	3300	1/1	0.89	0.28	63,63,63,63	0
55	MG	DA	3129	1/1	0.89	0.18	68,68,68,68	0
55	MG	DA	3231	1/1	0.89	0.21	50,50,50,50	0
55	MG	DA	3050	1/1	0.89	0.32	74,74,74,74	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	CA	1650	1/1	0.89	0.34	66,66,66,66	0
56	OHX	DA	3485	7/7	0.89	0.06	131,137,152,172	1
55	MG	BA	1640	1/1	0.89	0.13	71,71,71,71	0
55	MG	AA	3085	1/1	0.89	0.23	74,74,74,74	0
56	OHX	BA	1793	7/7	0.89	0.12	129,132,141,164	1
56	OHX	AA	3537	7/7	0.89	0.08	164,173,184,214	1
56	OHX	DB	209	7/7	0.89	0.11	130,143,158,186	1
55	MG	DA	3015	1/1	0.89	0.22	56,56,56,56	0
56	OHX	DB	214	7/7	0.89	0.07	145,149,169,184	1
55	MG	AA	3237	1/1	0.89	0.29	62,62,62,62	0
56	OHX	DA	3118	7/7	0.89	0.11	99,101,123,146	3
55	MG	DA	3069	1/1	0.89	0.08	63,63,63,63	0
55	MG	BA	1645	1/1	0.89	0.12	76,76,76,76	0
55	MG	AA	3146	1/1	0.89	0.37	36,36,36,36	0
56	OHX	BA	1807	7/7	0.89	0.07	133,136,150,177	1
56	OHX	D1	201	7/7	0.89	0.09	110,112,135,162	1
56	OHX	DA	3174	7/7	0.89	0.10	100,112,120,180	1
55	MG	DA	3026	1/1	0.89	0.23	55,55,55,55	0
56	OHX	BA	1790	7/7	0.90	0.07	163,166,178,211	1
55	MG	AA	3107	1/1	0.90	0.32	51,51,51,51	0
55	MG	AA	3278	1/1	0.90	0.15	73,73,73,73	0
55	MG	CA	1668	1/1	0.90	0.34	80,80,80,80	0
56	OHX	AA	3515	7/7	0.90	0.12	93,97,116,159	2
55	MG	A1	201	1/1	0.90	0.38	62,62,62,62	0
56	OHX	BA	1796	7/7	0.90	0.09	119,126,142,152	1
55	MG	AA	3204	1/1	0.90	0.28	45,45,45,45	0
55	MG	CB	103	1/1	0.90	0.06	80,80,80,80	0
56	OHX	DA	3254	7/7	0.90	0.09	126,129,138,165	1
55	MG	CA	1673	1/1	0.90	0.27	76,76,76,76	0
55	MG	AA	3280	1/1	0.90	0.32	61,61,61,61	0
55	MG	AA	3165	1/1	0.90	0.25	79,79,79,79	0
56	OHX	BA	1808	7/7	0.90	0.07	121,129,141,156	1
56	OHX	DA	3405	7/7	0.90	0.10	129,133,151,175	1
55	MG	AA	3242	1/1	0.90	0.24	43,43,43,43	0
55	MG	AA	3094	1/1	0.90	0.39	48,48,48,48	0
55	MG	AA	3154	1/1	0.90	0.17	52,52,52,52	0
56	OHX	DA	3433	7/7	0.90	0.17	104,114,132,147	1
55	MG	BB	109	1/1	0.90	0.14	80,80,80,80	0
55	MG	CA	1632	1/1	0.90	0.38	56,56,56,56	0
55	MG	DA	3002	1/1	0.90	0.32	46,46,46,46	0
55	MG	DA	3250	1/1	0.90	0.21	64,64,64,64	0
55	MG	DA	3009	1/1	0.90	0.28	50,50,50,50	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	DA	3110	1/1	0.90	0.33	60,60,60,60	0
55	MG	DA	3265	1/1	0.90	0.16	73,73,73,73	0
56	OHX	CA	1751	7/7	0.90	0.10	102,126,129,174	1
55	MG	AA	3247	1/1	0.90	0.24	66,66,66,66	0
55	MG	D7	101	1/1	0.90	0.38	69,69,69,69	0
56	OHX	CA	1757	7/7	0.90	0.10	117,123,150,175	1
55	MG	DA	3011	1/1	0.90	0.14	84,84,84,84	0
55	MG	CA	1638	1/1	0.90	0.31	59,59,59,59	0
55	MG	AA	3289	1/1	0.90	0.37	61,61,61,61	0
56	OHX	DA	3457	7/7	0.90	0.07	149,156,166,200	1
56	OHX	DA	3458	7/7	0.90	0.07	173,175,178,215	1
56	OHX	DA	3460	7/7	0.90	0.10	111,124,134,174	1
55	MG	AA	3323	1/1	0.90	0.23	58,58,58,58	0
56	OHX	CA	1777	7/7	0.90	0.10	157,162,168,202	1
55	MG	BA	1697	1/1	0.90	0.19	74,74,74,74	0
55	MG	DA	3128	1/1	0.90	0.29	75,75,75,75	0
56	OHX	AA	3445	7/7	0.90	0.09	118,124,140,177	1
55	MG	AA	3091	1/1	0.90	0.14	85,85,85,85	0
55	MG	AA	3099	1/1	0.90	0.28	60,60,60,60	0
55	MG	AA	3294	1/1	0.90	0.16	36,36,36,36	0
55	MG	DA	3031	1/1	0.90	0.17	77,77,77,77	0
55	MG	CA	1647	1/1	0.90	0.28	70,70,70,70	0
56	OHX	CA	1790	7/7	0.90	0.11	99,111,123,147	2
56	OHX	AB	215	7/7	0.90	0.10	110,123,130,165	1
55	MG	DA	3289	1/1	0.90	0.27	84,84,84,84	0
55	MG	AA	3115	1/1	0.90	0.31	57,57,57,57	0
55	MG	BA	1663	1/1	0.90	0.48	80,80,80,80	0
55	MG	BA	1666	1/1	0.90	0.35	81,81,81,81	0
56	OHX	AA	3485	7/7	0.90	0.11	103,114,131,163	1
56	OHX	A3	102	7/7	0.90	0.09	106,109,134,147	2
55	MG	AA	3225	1/1	0.90	0.46	52,52,52,52	0
56	OHX	DA	3483	7/7	0.90	0.10	103,116,126,199	1
56	OHX	AA	3489	7/7	0.90	0.08	136,140,156,178	1
55	MG	CA	1655	1/1	0.90	0.27	70,70,70,70	0
55	MG	CA	1706	1/1	0.90	0.30	85,85,85,85	0
55	MG	BA	1624	1/1	0.90	0.36	79,79,79,79	0
55	MG	DA	3046	1/1	0.90	0.25	78,78,78,78	0
55	MG	AA	3175	1/1	0.90	0.15	46,46,46,46	0
55	MG	AA	3158	1/1	0.90	0.33	49,49,49,49	0
56	OHX	BA	1775	7/7	0.90	0.09	113,130,145,176	1
55	MG	DA	3193	1/1	0.90	0.24	43,43,43,43	0
55	MG	AA	3263	1/1	0.90	0.23	39,39,39,39	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	AA	3159	1/1	0.90	0.48	81,81,81,81	0
55	MG	DA	3052	1/1	0.90	0.33	42,42,42,42	0
55	MG	BA	1631	1/1	0.90	0.09	85,85,85,85	0
55	MG	AA	3126	1/1	0.90	0.21	54,54,54,54	0
55	MG	AA	3005	1/1	0.90	0.21	48,48,48,48	0
55	MG	DA	3315	1/1	0.90	0.35	78,78,78,78	0
56	OHX	BA	1787	7/7	0.90	0.08	124,129,137,172	1
55	MG	DA	3204	1/1	0.90	0.27	58,58,58,58	0
55	MG	BA	1693	1/1	0.91	0.16	68,68,68,68	0
55	MG	AA	3023	1/1	0.91	0.22	35,35,35,35	0
55	MG	AA	3187	1/1	0.91	0.20	40,40,40,40	0
55	MG	DA	3025	1/1	0.91	0.12	59,59,59,59	0
56	OHX	AW	101	7/7	0.91	0.10	112,118,129,149	1
55	MG	AA	3029	1/1	0.91	0.31	59,59,59,59	0
55	MG	DA	3282	1/1	0.91	0.28	69,69,69,69	0
56	OHX	BA	1744	7/7	0.91	0.10	134,144,157,183	1
56	OHX	AA	3473	7/7	0.91	0.06	104,114,132,167	1
56	OHX	BA	1751	7/7	0.91	0.12	101,112,132,168	2
56	OHX	AA	3475	7/7	0.91	0.07	132,134,145,192	1
56	OHX	BA	1757	7/7	0.91	0.12	86,113,131,156	4
56	OHX	AA	3478	7/7	0.91	0.08	147,161,167,217	1
56	OHX	BA	1763	7/7	0.91	0.10	123,136,140,184	1
55	MG	AA	3033	1/1	0.91	0.25	39,39,39,39	0
55	MG	DA	3285	1/1	0.91	0.34	57,57,57,57	0
56	OHX	DA	3172	7/7	0.91	0.32	95,104,112,142	1
55	MG	DA	3286	1/1	0.91	0.14	77,77,77,77	0
56	OHX	BA	1774	7/7	0.91	0.08	104,121,130,163	1
55	MG	AA	3197	1/1	0.91	0.20	57,57,57,57	0
56	OHX	DA	3217	7/7	0.91	0.08	144,149,153,189	1
55	MG	CA	1695	1/1	0.91	0.09	94,94,94,94	0
56	OHX	DA	3221	7/7	0.91	0.08	120,130,140,174	1
55	MG	CA	1698	1/1	0.91	0.46	86,86,86,86	0
55	MG	DA	3034	1/1	0.91	0.26	69,69,69,69	0
55	MG	CA	1648	1/1	0.91	0.37	70,70,70,70	0
55	MG	DA	3152	1/1	0.91	0.21	57,57,57,57	0
56	OHX	AA	3496	7/7	0.91	0.09	107,119,130,176	1
55	MG	B1	101	1/1	0.91	0.14	96,96,96,96	0
55	MG	AA	3319	1/1	0.91	0.13	63,63,63,63	0
55	MG	DA	3164	1/1	0.91	0.31	63,63,63,63	0
55	MG	CA	1703	1/1	0.91	0.25	84,84,84,84	0
56	OHX	AA	3501	7/7	0.91	0.07	104,117,124,169	1
55	MG	CA	1651	1/1	0.91	0.12	73,73,73,73	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	OHX	DA	3409	7/7	0.91	0.11	103,117,129,162	1
55	MG	DA	3179	1/1	0.91	0.24	46,46,46,46	0
55	MG	CA	1602	1/1	0.91	0.31	58,58,58,58	0
56	OHX	DA	3427	7/7	0.91	0.06	134,147,151,184	1
55	MG	AA	3109	1/1	0.91	0.29	38,38,38,38	0
56	OHX	DA	3434	7/7	0.91	0.09	127,134,154,190	1
56	OHX	DA	3435	7/7	0.91	0.19	86,99,124,155	1
55	MG	AA	3006	1/1	0.91	0.23	40,40,40,40	0
55	MG	CA	1711	1/1	0.91	0.33	57,57,57,57	0
55	MG	DA	3309	1/1	0.91	0.17	68,68,68,68	0
55	MG	AA	3093	1/1	0.91	0.34	35,35,35,35	0
55	MG	AA	3080	1/1	0.91	0.10	63,63,63,63	0
55	MG	DA	3312	1/1	0.91	0.19	81,81,81,81	0
56	OHX	DA	3442	7/7	0.91	0.06	135,142,161,190	1
56	OHX	DA	3444	7/7	0.91	0.09	123,132,145,175	1
55	MG	CA	1612	1/1	0.91	0.17	95,95,95,95	0
55	MG	BA	1620	1/1	0.91	0.25	73,73,73,73	0
56	OHX	AA	3516	7/7	0.91	0.12	90,98,116,166	1
56	OHX	AA	3517	7/7	0.91	0.08	125,127,137,177	1
56	OHX	BA	1812	7/7	0.91	0.06	170,174,180,213	1
55	MG	AA	3167	1/1	0.91	0.17	51,51,51,51	0
55	MG	DA	3055	1/1	0.91	0.14	54,54,54,54	0
55	MG	AA	3214	1/1	0.91	0.28	41,41,41,41	0
55	MG	BA	1710	1/1	0.91	0.14	113,113,113,113	0
55	MG	AA	3337	1/1	0.91	0.26	73,73,73,73	0
55	MG	DA	3206	1/1	0.91	0.18	52,52,52,52	0
56	OHX	DA	3461	7/7	0.91	0.08	171,173,180,211	1
55	MG	DA	3324	1/1	0.91	0.32	66,66,66,66	0
56	OHX	BD	103	7/7	0.91	0.07	108,110,116,155	1
56	OHX	DA	3464	7/7	0.91	0.08	117,129,143,171	1
55	MG	AA	3293	1/1	0.91	0.16	72,72,72,72	0
56	OHX	CA	1747	7/7	0.91	0.10	129,134,147,212	1
55	MG	CA	1620	1/1	0.91	0.27	63,63,63,63	0
56	OHX	CA	1753	7/7	0.91	0.15	82,120,146,173	3
55	MG	DA	3070	1/1	0.91	0.21	69,69,69,69	0
55	MG	AA	3149	1/1	0.91	0.29	58,58,58,58	0
55	MG	DA	3074	1/1	0.91	0.27	40,40,40,40	0
56	OHX	CA	1758	7/7	0.91	0.07	150,162,166,191	1
55	MG	AA	3255	1/1	0.91	0.18	47,47,47,47	0
56	OHX	CA	1765	7/7	0.91	0.06	169,177,182,233	1
55	MG	BF	301	1/1	0.91	0.21	79,79,79,79	0
55	MG	AA	3220	1/1	0.91	0.24	38,38,38,38	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	AA	3258	1/1	0.91	0.21	39,39,39,39	0
55	MG	AB	203	1/1	0.91	0.22	58,58,58,58	0
55	MG	AA	3221	1/1	0.91	0.17	41,41,41,41	0
55	MG	AA	3019	1/1	0.91	0.24	42,42,42,42	0
55	MG	AA	3060	1/1	0.91	0.19	89,89,89,89	0
56	OHX	AA	3547	7/7	0.91	0.10	80,87,107,118	1
55	MG	AA	3266	1/1	0.91	0.37	62,62,62,62	0
55	MG	DA	3001	1/1	0.91	0.19	39,39,39,39	0
55	MG	AE	302	1/1	0.91	0.09	74,74,74,74	0
55	MG	AA	3072	1/1	0.91	0.29	73,73,73,73	0
55	MG	DA	3107	1/1	0.91	0.20	42,42,42,42	0
56	OHX	CA	1794	7/7	0.91	0.10	102,115,122,149	1
56	OHX	DA	3491	7/7	0.91	0.07	104,107,129,176	1
56	OHX	AA	3392	7/7	0.91	0.11	81,92,124,181	2
56	OHX	AA	3555	7/7	0.91	0.10	82,85,105,128	1
56	OHX	AA	3398	7/7	0.91	0.10	90,95,125,158	1
56	OHX	CA	1801	7/7	0.91	0.07	137,140,148,200	1
55	MG	AA	3073	1/1	0.91	0.23	68,68,68,68	0
55	MG	AA	3176	1/1	0.91	0.32	46,46,46,46	0
56	OHX	AA	3569	7/7	0.91	0.06	134,142,144,168	1
56	OHX	AB	210	7/7	0.91	0.07	101,108,128,154	1
55	MG	AA	3061	1/1	0.91	0.28	59,59,59,59	0
55	MG	DA	3271	1/1	0.91	0.38	59,59,59,59	0
55	MG	DA	3016	1/1	0.91	0.33	51,51,51,51	0
55	MG	DA	3273	1/1	0.91	0.20	41,41,41,41	0
57	PAR	CA	1722	42/42	0.91	0.08	72,88,95,97	0
55	MG	DA	3021	1/1	0.92	0.23	62,62,62,62	0
55	MG	AA	3312	1/1	0.92	0.18	71,71,71,71	0
56	OHX	DA	3218	7/7	0.92	0.28	96,106,121,133	1
55	MG	AA	3189	1/1	0.92	0.27	63,63,63,63	0
56	OHX	BA	1801	7/7	0.92	0.07	129,138,143,174	1
56	OHX	AA	3433	7/7	0.92	0.10	77,91,106,131	2
56	OHX	BA	1806	7/7	0.92	0.11	110,117,124,159	1
56	OHX	DA	3245	7/7	0.92	0.09	95,128,139,165	1
55	MG	AA	3036	1/1	0.92	0.32	48,48,48,48	0
56	OHX	AA	3439	7/7	0.92	0.09	114,122,140,194	1
56	OHX	AA	3443	7/7	0.92	0.10	110,114,126,149	2
55	MG	AA	3108	1/1	0.92	0.15	54,54,54,54	0
55	MG	AA	3227	1/1	0.92	0.17	61,61,61,61	0
56	OHX	AA	3448	7/7	0.92	0.06	141,143,155,200	1
56	OHX	DA	3376	7/7	0.92	0.13	38,106,133,165	3
56	OHX	AA	3449	7/7	0.92	0.10	102,118,124,165	1

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	CA	1671	1/1	0.92	0.28	78,78,78,78	0
55	MG	DA	3032	1/1	0.92	0.05	38,38,38,38	0
56	OHX	DA	3408	7/7	0.92	0.10	122,131,146,182	1
55	MG	BA	1671	1/1	0.92	0.36	68,68,68,68	0
55	MG	CA	1634	1/1	0.92	0.34	64,64,64,64	0
56	OHX	DA	3415	7/7	0.92	0.07	128,140,160,189	1
56	OHX	DA	3417	7/7	0.92	0.07	145,152,156,188	1
56	OHX	DA	3420	7/7	0.92	0.09	116,120,125,152	1
56	OHX	AA	3457	7/7	0.92	0.12	86,94,124,185	1
56	OHX	DA	3424	7/7	0.92	0.09	124,129,137,157	2
55	MG	AA	3001	1/1	0.92	0.29	32,32,32,32	0
56	OHX	DA	3429	7/7	0.92	0.08	118,130,143,180	1
56	OHX	DA	3432	7/7	0.92	0.06	116,131,140,173	1
56	OHX	AA	3460	7/7	0.92	0.08	131,133,148,193	1
55	MG	DA	3222	1/1	0.92	0.25	83,83,83,83	0
55	MG	AA	3260	1/1	0.92	0.34	53,53,53,53	0
56	OHX	AA	3563	7/7	0.92	0.07	128,136,143,179	1
56	OHX	AA	3564	7/7	0.92	0.10	94,114,124,148	1
55	MG	AA	3261	1/1	0.92	0.18	53,53,53,53	0
55	MG	DA	3308	1/1	0.92	0.20	60,60,60,60	0
55	MG	CA	1677	1/1	0.92	0.34	73,73,73,73	0
56	OHX	AA	3482	7/7	0.92	0.15	85,96,105,135	1
55	MG	DA	3116	1/1	0.92	0.23	62,62,62,62	0
55	MG	DA	3040	1/1	0.92	0.16	66,66,66,66	0
56	OHX	CA	1769	7/7	0.92	0.09	141,144,170,199	1
55	MG	AA	3169	1/1	0.92	0.41	47,47,47,47	0
55	MG	DA	3042	1/1	0.92	0.23	74,74,74,74	0
56	OHX	CA	1776	7/7	0.92	0.08	112,115,132,151	1
56	OHX	AA	3491	7/7	0.92	0.10	96,99,117,169	1
56	OHX	CA	1780	7/7	0.92	0.06	138,146,156,182	1
56	OHX	CA	1781	7/7	0.92	0.09	153,161,166,239	1
55	MG	DA	3240	1/1	0.92	0.29	64,64,64,64	0
56	OHX	DA	3456	7/7	0.92	0.07	133,142,150,207	1
55	MG	CA	1603	1/1	0.92	0.18	62,62,62,62	0
55	MG	CA	1642	1/1	0.92	0.33	69,69,69,69	0
55	MG	BA	1676	1/1	0.92	0.28	78,78,78,78	0
55	MG	DA	3252	1/1	0.92	0.35	81,81,81,81	0
55	MG	AA	3203	1/1	0.92	0.32	72,72,72,72	0
56	OHX	BA	1745	7/7	0.92	0.10	119,123,132,169	1
56	OHX	BA	1747	7/7	0.92	0.10	117,129,140,148	1
56	OHX	BA	1748	7/7	0.92	0.08	124,127,141,171	1
56	OHX	CA	1792	7/7	0.92	0.06	189,191,192,232	1

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	OHX	BA	1749	7/7	0.92	0.10	112,116,136,168	1
55	MG	BA	1679	1/1	0.92	0.25	60,60,60,60	0
55	MG	DA	3264	1/1	0.92	0.17	78,78,78,78	0
56	OHX	BA	1752	7/7	0.92	0.06	168,174,177,207	1
55	MG	AA	3265	1/1	0.92	0.40	62,62,62,62	0
55	MG	AA	3011	1/1	0.92	0.23	44,44,44,44	0
56	OHX	BA	1758	7/7	0.92	0.07	153,155,160,202	1
55	MG	BA	1682	1/1	0.92	0.08	68,68,68,68	0
56	OHX	CA	1807	7/7	0.92	0.09	109,119,124,150	1
55	MG	BA	1611	1/1	0.92	0.25	47,47,47,47	0
55	MG	AA	3207	1/1	0.92	0.37	44,44,44,44	0
56	OHX	CA	1810	7/7	0.92	0.10	113,132,142,167	1
55	MG	DA	3056	1/1	0.92	0.23	48,48,48,48	0
55	MG	DA	3332	1/1	0.92	0.23	78,78,78,78	0
55	MG	DA	3057	1/1	0.92	0.25	58,58,58,58	0
55	MG	AA	3040	1/1	0.92	0.30	59,59,59,59	0
55	MG	AA	3063	1/1	0.92	0.31	45,45,45,45	0
55	MG	AA	3053	1/1	0.92	0.21	77,77,77,77	0
56	OHX	CV	101	7/7	0.92	0.07	174,182,196,223	1
56	OHX	DA	3487	7/7	0.92	0.10	106,108,129,150	1
56	OHX	BA	1779	7/7	0.92	0.09	129,134,141,170	1
55	MG	BA	1618	1/1	0.92	0.20	71,71,71,71	0
55	MG	AA	3041	1/1	0.92	0.18	59,59,59,59	0
55	MG	DA	3280	1/1	0.92	0.37	63,63,63,63	0
56	OHX	CD	101	7/7	0.92	0.07	166,174,199,220	1
55	MG	DA	3281	1/1	0.92	0.11	65,65,65,65	0
55	MG	AA	3022	1/1	0.92	0.24	28,28,28,28	0
55	MG	DA	3283	1/1	0.92	0.38	86,86,86,86	0
55	MG	D0	201	1/1	0.92	0.12	51,51,51,51	0
56	OHX	AA	3522	7/7	0.92	0.12	74,93,104,150	2
55	MG	DA	3013	1/1	0.92	0.26	40,40,40,40	0
55	MG	AA	3133	1/1	0.92	0.27	45,45,45,45	0
55	MG	AA	3182	1/1	0.92	0.27	66,66,66,66	0
55	MG	AA	3034	1/1	0.92	0.30	50,50,50,50	0
56	OHX	AA	3404	7/7	0.92	0.09	108,112,133,175	1
55	MG	BA	1662	1/1	0.92	0.20	56,56,56,56	0
56	OHX	AA	3409	7/7	0.92	0.13	99,110,115,152	1
55	MG	DA	3175	1/1	0.93	0.28	53,53,53,53	0
56	OHX	DA	3248	7/7	0.93	0.08	110,118,139,156	1
55	MG	AA	3123	1/1	0.93	0.15	65,65,65,65	0
55	MG	AA	3229	1/1	0.93	0.25	65,65,65,65	0
55	MG	AA	3047	1/1	0.93	0.26	65,65,65,65	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	CA	1717	1/1	0.93	0.27	64,64,64,64	0
56	OHX	AA	3558	7/7	0.93	0.07	92,100,110,168	1
55	MG	AA	3143	1/1	0.93	0.10	87,87,87,87	0
55	MG	DA	3184	1/1	0.93	0.28	37,37,37,37	0
56	OHX	DA	3385	7/7	0.93	0.09	78,128,134,201	1
56	OHX	DA	3398	7/7	0.93	0.07	119,127,142,162	1
55	MG	DA	3185	1/1	0.93	0.29	49,49,49,49	0
56	OHX	AA	3462	7/7	0.93	0.10	105,108,119,142	2
56	OHX	AA	3466	7/7	0.93	0.07	98,120,132,157	1
55	MG	AA	3026	1/1	0.93	0.23	43,43,43,43	0
56	OHX	AA	3474	7/7	0.93	0.08	113,120,132,160	1
55	MG	BA	1669	1/1	0.93	0.22	68,68,68,68	0
56	OHX	DA	3414	7/7	0.93	0.10	126,128,140,174	1
56	OHX	CA	1756	7/7	0.93	0.11	99,109,123,147	2
56	OHX	DA	3416	7/7	0.93	0.11	112,112,142,167	1
56	OHX	AB	214	7/7	0.93	0.08	125,133,135,173	1
55	MG	AA	3356	1/1	0.93	0.33	70,70,70,70	0
55	MG	AA	3057	1/1	0.93	0.16	56,56,56,56	0
56	OHX	AB	217	7/7	0.93	0.17	100,108,115,151	1
56	OHX	DA	3425	7/7	0.93	0.07	125,134,139,188	1
55	MG	DA	3198	1/1	0.93	0.31	44,44,44,44	0
55	MG	AA	3267	1/1	0.93	0.16	37,37,37,37	0
56	OHX	DA	3430	7/7	0.93	0.08	176,181,185,214	1
56	OHX	DA	3431	7/7	0.93	0.06	139,144,155,180	1
56	OHX	CA	1772	7/7	0.93	0.07	142,144,153,197	1
56	OHX	CA	1773	7/7	0.93	0.08	123,130,144,181	1
55	MG	AA	3049	1/1	0.93	0.10	66,66,66,66	0
55	MG	BA	1627	1/1	0.93	0.15	58,58,58,58	0
55	MG	AA	3303	1/1	0.93	0.16	77,77,77,77	0
55	MG	AA	3304	1/1	0.93	0.13	55,55,55,55	0
55	MG	AA	3305	1/1	0.93	0.40	66,66,66,66	0
56	OHX	BA	1738	7/7	0.93	0.08	112,124,136,189	1
55	MG	AA	3050	1/1	0.93	0.33	45,45,45,45	0
55	MG	AA	3035	1/1	0.93	0.12	38,38,38,38	0
55	MG	DA	3207	1/1	0.93	0.27	37,37,37,37	0
56	OHX	DA	3443	7/7	0.93	0.08	113,124,137,188	1
55	MG	CA	1680	1/1	0.93	0.28	78,78,78,78	0
55	MG	BA	1634	1/1	0.93	0.10	73,73,73,73	0
55	MG	AA	3171	1/1	0.93	0.17	59,59,59,59	0
55	MG	DA	3077	1/1	0.93	0.33	52,52,52,52	0
55	MG	CA	1636	1/1	0.93	0.17	82,82,82,82	0
55	MG	DA	3080	1/1	0.93	0.20	43,43,43,43	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	DA	3005	1/1	0.93	0.17	41,41,41,41	0
56	OHX	BA	1756	7/7	0.93	0.07	153,171,174,206	1
55	MG	AA	3098	1/1	0.93	0.15	29,29,29,29	0
55	MG	DA	3089	1/1	0.93	0.49	54,54,54,54	0
55	MG	AA	3113	1/1	0.93	0.18	88,88,88,88	0
56	OHX	CA	1800	7/7	0.93	0.05	165,167,172,220	1
55	MG	AA	3027	1/1	0.93	0.14	35,35,35,35	0
55	MG	DA	3012	1/1	0.93	0.17	44,44,44,44	0
55	MG	DA	3238	1/1	0.93	0.18	67,67,67,67	0
56	OHX	BA	1770	7/7	0.93	0.08	114,115,121,163	1
56	OHX	BA	1771	7/7	0.93	0.17	101,104,120,152	2
56	OHX	AA	3510	7/7	0.93	0.10	98,106,123,159	1
55	MG	A1	202	1/1	0.93	0.15	75,75,75,75	0
55	MG	DA	3014	1/1	0.93	0.21	55,55,55,55	0
55	MG	CA	1688	1/1	0.93	0.14	79,79,79,79	0
56	OHX	BA	1777	7/7	0.93	0.07	176,178,192,246	1
55	MG	AA	3086	1/1	0.93	0.31	73,73,73,73	0
55	MG	A7	101	1/1	0.93	0.25	56,56,56,56	0
55	MG	AA	3015	1/1	0.93	0.19	44,44,44,44	0
55	MG	AA	3179	1/1	0.93	0.17	39,39,39,39	0
55	MG	AA	3253	1/1	0.93	0.19	49,49,49,49	0
55	MG	DA	3024	1/1	0.93	0.24	63,63,63,63	0
55	MG	BA	1605	1/1	0.93	0.11	81,81,81,81	0
55	MG	CA	1696	1/1	0.93	0.28	74,74,74,74	0
55	MG	CA	1697	1/1	0.93	0.21	66,66,66,66	0
55	MG	AA	3317	1/1	0.93	0.23	55,55,55,55	0
56	OHX	DA	3087	7/7	0.93	0.09	102,119,134,177	1
55	MG	AA	3088	1/1	0.93	0.20	66,66,66,66	0
55	MG	DA	3125	1/1	0.93	0.23	54,54,54,54	0
56	OHX	AA	3395	7/7	0.93	0.12	100,109,130,162	1
55	MG	BA	1651	1/1	0.93	0.27	76,76,76,76	0
55	MG	CA	1604	1/1	0.93	0.11	72,72,72,72	0
55	MG	AA	3003	1/1	0.93	0.23	39,39,39,39	0
55	MG	DA	3137	1/1	0.93	0.27	51,51,51,51	0
55	MG	CA	1607	1/1	0.93	0.18	86,86,86,86	0
56	OHX	DA	3163	7/7	0.93	0.10	124,127,154,166	1
55	MG	DA	3036	1/1	0.93	0.10	47,47,47,47	0
56	OHX	DA	3169	7/7	0.93	0.07	110,124,136,172	1
56	OHX	DA	3171	7/7	0.93	0.12	95,116,127,171	1
56	OHX	AA	3419	7/7	0.93	0.08	102,113,133,143	3
55	MG	AA	3290	1/1	0.93	0.33	66,66,66,66	0
55	MG	AA	3183	1/1	0.93	0.20	59,59,59,59	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	AA	3121	1/1	0.93	0.22	65,65,65,65	0
55	MG	CA	1710	1/1	0.93	0.20	78,78,78,78	0
55	MG	BA	1658	1/1	0.93	0.29	47,47,47,47	0
56	OHX	BA	1809	7/7	0.93	0.06	159,162,164,206	1
55	MG	DA	3154	1/1	0.93	0.17	60,60,60,60	0
55	MG	BA	1659	1/1	0.93	0.30	43,43,43,43	0
56	OHX	DA	3224	7/7	0.93	0.11	104,110,126,166	1
55	MG	BA	1661	1/1	0.93	0.25	61,61,61,61	0
56	OHX	DA	3215	7/7	0.94	0.10	97,115,127,150	3
55	MG	AA	3239	1/1	0.94	0.39	52,52,52,52	0
56	OHX	AA	3425	7/7	0.94	0.07	158,168,177,207	1
55	MG	DA	3290	1/1	0.94	0.14	37,37,37,37	0
56	OHX	AA	3435	7/7	0.94	0.08	83,103,126,156	2
56	OHX	BA	1803	7/7	0.94	0.07	211,214,221,256	1
55	MG	BA	1684	1/1	0.94	0.20	67,67,67,67	0
55	MG	AA	3065	1/1	0.94	0.11	46,46,46,46	0
56	OHX	AA	3442	7/7	0.94	0.06	97,106,127,148	1
55	MG	CA	1652	1/1	0.94	0.08	69,69,69,69	0
55	MG	DA	3104	1/1	0.94	0.32	64,64,64,64	0
56	OHX	AA	3446	7/7	0.94	0.05	148,150,154,190	1
55	MG	AA	3273	1/1	0.94	0.30	60,60,60,60	0
55	MG	AA	3097	1/1	0.94	0.16	50,50,50,50	0
56	OHX	AA	3550	7/7	0.94	0.06	118,128,136,169	1
55	MG	AA	3276	1/1	0.94	0.26	76,76,76,76	0
55	MG	AA	3031	1/1	0.94	0.19	40,40,40,40	0
55	MG	AA	3219	1/1	0.94	0.20	65,65,65,65	0
56	OHX	DA	3391	7/7	0.94	0.08	117,125,144,183	1
55	MG	AA	3248	1/1	0.94	0.21	28,28,28,28	0
55	MG	DA	3213	1/1	0.94	0.27	57,57,57,57	0
56	OHX	DA	3400	7/7	0.94	0.07	113,116,126,149	1
56	OHX	AA	3556	7/7	0.94	0.10	82,96,111,154	1
56	OHX	AA	3557	7/7	0.94	0.19	89,102,113,146	1
55	MG	AA	3153	1/1	0.94	0.32	40,40,40,40	0
56	OHX	CA	1743	7/7	0.94	0.09	101,120,132,162	1
56	OHX	DA	3410	7/7	0.94	0.06	107,112,124,146	1
55	MG	AA	3007	1/1	0.94	0.33	43,43,43,43	0
55	MG	BA	1694	1/1	0.94	0.23	60,60,60,60	0
55	MG	DA	3003	1/1	0.94	0.15	43,43,43,43	0
56	OHX	AA	3463	7/7	0.94	0.08	94,102,127,154	1
56	OHX	AA	3565	7/7	0.94	0.07	97,104,114,159	1
56	OHX	DA	3419	7/7	0.94	0.16	82,93,100,126	2
56	OHX	AA	3465	7/7	0.94	0.10	82,99,109,148	1

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	DA	3123	1/1	0.94	0.24	38,38,38,38	0
56	OHX	AB	208	7/7	0.94	0.10	95,117,137,155	2
56	OHX	AA	3468	7/7	0.94	0.08	110,120,137,165	1
56	OHX	CA	1762	7/7	0.94	0.09	148,151,154,182	1
56	OHX	DA	3428	7/7	0.94	0.11	93,108,120,163	1
56	OHX	CA	1764	7/7	0.94	0.09	113,122,135,168	1
56	OHX	AA	3472	7/7	0.94	0.10	95,115,124,169	1
55	MG	AA	3191	1/1	0.94	0.07	39,39,39,39	0
56	OHX	CA	1768	7/7	0.94	0.07	123,135,145,174	1
55	MG	DA	3051	1/1	0.94	0.34	39,39,39,39	0
56	OHX	CA	1771	7/7	0.94	0.11	105,107,134,145	1
55	MG	DA	3236	1/1	0.94	0.32	62,62,62,62	0
56	OHX	AA	3476	7/7	0.94	0.09	88,98,119,157	1
55	MG	DA	3006	1/1	0.94	0.16	63,63,63,63	0
55	MG	DA	3130	1/1	0.94	0.08	48,48,48,48	0
56	OHX	AO	203	7/7	0.94	0.15	83,92,110,152	1
55	MG	DA	3316	1/1	0.94	0.18	51,51,51,51	0
55	MG	AA	3139	1/1	0.94	0.20	47,47,47,47	0
55	MG	DA	3054	1/1	0.94	0.16	56,56,56,56	0
55	MG	DA	3319	1/1	0.94	0.33	69,69,69,69	0
56	OHX	BA	1731	7/7	0.94	0.11	99,107,129,161	1
56	OHX	AA	3486	7/7	0.94	0.07	95,110,127,153	1
55	MG	DA	3241	1/1	0.94	0.06	47,47,47,47	0
56	OHX	BA	1742	7/7	0.94	0.08	149,155,172,201	1
56	OHX	DA	3449	7/7	0.94	0.07	147,154,162,185	1
55	MG	DA	3321	1/1	0.94	0.16	56,56,56,56	0
55	MG	DA	3139	1/1	0.94	0.38	54,54,54,54	0
55	MG	DA	3140	1/1	0.94	0.22	55,55,55,55	0
55	MG	AF	302	1/1	0.94	0.19	83,83,83,83	0
55	MG	AA	3058	1/1	0.94	0.10	61,61,61,61	0
56	OHX	CA	1793	7/7	0.94	0.07	142,146,153,194	1
55	MG	BC	101	1/1	0.94	0.22	62,62,62,62	0
56	OHX	CA	1795	7/7	0.94	0.07	115,125,132,165	1
55	MG	CA	1705	1/1	0.94	0.32	73,73,73,73	0
55	MG	DA	3260	1/1	0.94	0.23	68,68,68,68	0
55	MG	DA	3261	1/1	0.94	0.31	53,53,53,53	0
55	MG	AA	3286	1/1	0.94	0.35	83,83,83,83	0
55	MG	DA	3063	1/1	0.94	0.41	59,59,59,59	0
55	MG	AA	3008	1/1	0.94	0.26	32,32,32,32	0
55	MG	AA	3257	1/1	0.94	0.26	64,64,64,64	0
56	OHX	BA	1759	7/7	0.94	0.07	173,177,187,214	1
56	OHX	AA	3504	7/7	0.94	0.14	101,103,116,145	2

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	OHX	BA	1762	7/7	0.94	0.08	121,131,144,180	1
55	MG	DA	3269	1/1	0.94	0.29	52,52,52,52	0
56	OHX	BA	1764	7/7	0.94	0.09	147,152,158,209	1
55	MG	CA	1709	1/1	0.94	0.23	76,76,76,76	0
55	MG	AA	3199	1/1	0.94	0.24	75,75,75,75	0
56	OHX	BA	1767	7/7	0.94	0.07	151,158,165,212	1
55	MG	AA	3173	1/1	0.94	0.34	65,65,65,65	0
55	MG	AA	3201	1/1	0.94	0.31	35,35,35,35	0
55	MG	DA	3274	1/1	0.94	0.31	69,69,69,69	0
56	OHX	BA	1773	7/7	0.94	0.08	135,139,146,167	1
55	MG	AA	3024	1/1	0.94	0.24	45,45,45,45	0
55	MG	AA	3103	1/1	0.94	0.31	50,50,50,50	0
55	MG	AA	3018	1/1	0.94	0.24	49,49,49,49	0
55	MG	DA	3028	1/1	0.94	0.21	44,44,44,44	0
56	OHX	AA	3362	7/7	0.94	0.09	104,116,120,168	1
56	OHX	DA	3081	7/7	0.94	0.14	99,102,113,145	1
56	OHX	DA	3083	7/7	0.94	0.09	104,111,120,146	1
55	MG	AA	3002	1/1	0.94	0.26	34,34,34,34	0
56	OHX	AA	3383	7/7	0.94	0.14	91,96,109,133	1
56	OHX	AA	3384	7/7	0.94	0.13	96,100,107,136	1
55	MG	BA	1609	1/1	0.94	0.13	65,65,65,65	0
55	MG	DA	3186	1/1	0.94	0.21	34,34,34,34	0
56	OHX	BA	1784	7/7	0.94	0.17	94,101,111,137	1
55	MG	DA	3088	1/1	0.94	0.26	47,47,47,47	0
55	MG	AA	3020	1/1	0.94	0.33	42,42,42,42	0
55	MG	AA	3210	1/1	0.94	0.29	43,43,43,43	0
55	MG	AA	3339	1/1	0.94	0.32	58,58,58,58	0
55	MG	DA	3093	1/1	0.94	0.16	46,46,46,46	0
56	OHX	AA	3414	7/7	0.94	0.11	92,104,120,143	1
56	OHX	DA	3170	7/7	0.94	0.10	114,125,135,172	1
56	OHX	AA	3416	7/7	0.94	0.08	108,113,125,155	1
55	MG	DA	3095	1/1	0.94	0.16	58,58,58,58	0
56	OHX	AA	3532	7/7	0.94	0.07	136,144,160,202	1
56	OHX	AA	3535	7/7	0.94	0.19	94,101,108,146	1
55	MG	CA	1613	1/1	0.94	0.24	73,73,73,73	0
58	ZN	CG	301	1/1	0.94	0.19	116,116,116,116	0
56	OHX	CA	1739	7/7	0.95	0.09	140,150,165,188	1
56	OHX	DA	3246	7/7	0.95	0.11	89,97,107,138	1
56	OHX	CA	1741	7/7	0.95	0.09	101,122,129,156	2
55	MG	AA	3145	1/1	0.95	0.20	27,27,27,27	0
56	OHX	CA	1745	7/7	0.95	0.08	117,120,127,165	1
55	MG	BA	1664	1/1	0.95	0.22	54,54,54,54	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	OHX	CA	1749	7/7	0.95	0.08	124,137,161,188	2
56	OHX	CA	1750	7/7	0.95	0.12	110,113,130,151	1
56	OHX	DA	3348	7/7	0.95	0.08	97,115,128,140	1
55	MG	BA	1665	1/1	0.95	0.13	53,53,53,53	0
56	OHX	DA	3372	7/7	0.95	0.11	90,96,108,138	1
55	MG	CA	1645	1/1	0.95	0.29	58,58,58,58	0
55	MG	DA	3115	1/1	0.95	0.20	44,44,44,44	0
56	OHX	DA	3388	7/7	0.95	0.10	108,118,139,160	1
55	MG	AA	3025	1/1	0.95	0.23	37,37,37,37	0
56	OHX	DA	3392	7/7	0.95	0.07	115,117,129,183	1
56	OHX	DA	3393	7/7	0.95	0.06	133,134,150,191	1
56	OHX	DA	3394	7/7	0.95	0.08	127,139,150,223	0
56	OHX	DA	3396	7/7	0.95	0.12	96,99,105,140	1
56	OHX	AA	3376	7/7	0.95	0.12	96,107,117,142	1
56	OHX	A6	101	7/7	0.95	0.09	112,127,141,158	2
55	MG	AA	3004	1/1	0.95	0.28	32,32,32,32	0
56	OHX	DA	3402	7/7	0.95	0.07	122,136,148,204	1
56	OHX	DA	3404	7/7	0.95	0.10	107,121,131,166	1
55	MG	AA	3177	1/1	0.95	0.19	46,46,46,46	0
56	OHX	DA	3406	7/7	0.95	0.11	88,107,111,147	3
56	OHX	AA	3385	7/7	0.95	0.09	73,87,109,139	2
56	OHX	CA	1763	7/7	0.95	0.07	142,143,157,189	1
56	OHX	BA	1740	7/7	0.95	0.11	107,110,122,131	1
55	MG	BA	1632	1/1	0.95	0.15	73,73,73,73	0
56	OHX	DA	3411	7/7	0.95	0.09	104,112,132,163	1
56	OHX	AA	3394	7/7	0.95	0.08	113,123,125,181	1
55	MG	AA	3021	1/1	0.95	0.26	35,35,35,35	0
55	MG	AA	3206	1/1	0.95	0.18	37,37,37,37	0
56	OHX	CA	1770	7/7	0.95	0.06	143,153,167,200	1
56	OHX	BA	1746	7/7	0.95	0.13	95,103,110,146	1
56	OHX	AA	3399	7/7	0.95	0.09	97,111,117,147	1
56	OHX	AA	3401	7/7	0.95	0.07	101,105,125,153	1
56	OHX	DA	3421	7/7	0.95	0.08	96,112,124,166	1
55	MG	DA	3292	1/1	0.95	0.15	51,51,51,51	0
56	OHX	AA	3405	7/7	0.95	0.09	100,103,111,158	1
55	MG	AA	3164	1/1	0.95	0.18	45,45,45,45	0
56	OHX	DA	3426	7/7	0.95	0.07	118,125,141,168	1
55	MG	AA	3046	1/1	0.95	0.13	50,50,50,50	0
56	OHX	CA	1778	7/7	0.95	0.06	148,157,164,202	1
55	MG	DA	3219	1/1	0.95	0.18	62,62,62,62	0
55	MG	AA	3017	1/1	0.95	0.19	26,26,26,26	0
55	MG	DA	3225	1/1	0.95	0.36	55,55,55,55	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	DA	3227	1/1	0.95	0.17	44,44,44,44	0
55	MG	AA	3152	1/1	0.95	0.33	50,50,50,50	0
56	OHX	BA	1760	7/7	0.95	0.08	109,109,121,147	1
55	MG	DA	3229	1/1	0.95	0.30	45,45,45,45	0
56	OHX	AA	3421	7/7	0.95	0.10	78,84,91,130	1
56	OHX	AA	3423	7/7	0.95	0.07	100,115,121,157	1
55	MG	DA	3230	1/1	0.95	0.09	51,51,51,51	0
56	OHX	AA	3428	7/7	0.95	0.06	114,120,124,169	1
56	OHX	AA	3430	7/7	0.95	0.06	119,125,132,176	1
56	OHX	AA	3432	7/7	0.95	0.07	129,136,142,160	1
55	MG	DA	3133	1/1	0.95	0.18	51,51,51,51	0
56	OHX	AA	3525	7/7	0.95	0.06	118,124,140,179	1
56	OHX	AA	3434	7/7	0.95	0.14	98,102,107,132	1
56	OHX	DA	3445	7/7	0.95	0.07	121,130,142,174	1
55	MG	BA	1606	1/1	0.95	0.20	70,70,70,70	0
55	MG	AA	3184	1/1	0.95	0.20	35,35,35,35	0
56	OHX	AA	3437	7/7	0.95	0.09	76,82,94,136	1
55	MG	CA	1658	1/1	0.95	0.16	65,65,65,65	0
56	OHX	AA	3441	7/7	0.95	0.06	113,135,152,175	1
56	OHX	DA	3451	7/7	0.95	0.11	103,107,114,153	1
56	OHX	CA	1803	7/7	0.95	0.06	137,147,156,198	1
56	OHX	AA	3534	7/7	0.95	0.06	103,124,138,161	2
55	MG	DA	3141	1/1	0.95	0.22	64,64,64,64	0
55	MG	BA	1678	1/1	0.95	0.22	44,44,44,44	0
55	MG	DA	3143	1/1	0.95	0.19	38,38,38,38	0
55	MG	AA	3268	1/1	0.95	0.14	38,38,38,38	0
55	MG	AA	3299	1/1	0.95	0.23	41,41,41,41	0
55	MG	BA	1644	1/1	0.95	0.22	62,62,62,62	0
55	MG	CA	1663	1/1	0.95	0.10	65,65,65,65	0
56	OHX	AA	3542	7/7	0.95	0.10	92,98,124,157	1
55	MG	AA	3213	1/1	0.95	0.10	60,60,60,60	0
55	MG	BA	1646	1/1	0.95	0.21	48,48,48,48	0
56	OHX	BA	1789	7/7	0.95	0.06	132,137,146,191	1
55	MG	AA	3013	1/1	0.95	0.27	27,27,27,27	0
55	MG	AA	3114	1/1	0.95	0.32	62,62,62,62	0
55	MG	AA	3274	1/1	0.95	0.05	36,36,36,36	0
55	MG	AA	3246	1/1	0.95	0.24	44,44,44,44	0
55	MG	AA	3104	1/1	0.95	0.32	62,62,62,62	0
56	OHX	DA	3471	7/7	0.95	0.08	112,124,129,160	1
56	OHX	AA	3461	7/7	0.95	0.07	102,110,120,148	1
55	MG	AA	3192	1/1	0.95	0.24	34,34,34,34	0
55	MG	BA	1653	1/1	0.95	0.26	64,64,64,64	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	OHX	AA	3464	7/7	0.95	0.09	105,115,140,175	1
55	MG	DA	3180	1/1	0.95	0.24	45,45,45,45	0
56	OHX	DA	3094	7/7	0.95	0.06	110,121,124,149	1
56	OHX	DA	3099	7/7	0.95	0.10	104,109,114,163	1
56	OHX	BA	1800	7/7	0.95	0.07	127,133,145,177	1
55	MG	BA	1654	1/1	0.95	0.26	64,64,64,64	0
56	OHX	BA	1802	7/7	0.95	0.07	100,117,125,149	1
55	MG	DA	3268	1/1	0.95	0.20	44,44,44,44	0
56	OHX	AA	3470	7/7	0.95	0.06	116,126,152,171	1
55	MG	CA	1633	1/1	0.95	0.35	46,46,46,46	0
55	MG	DA	3329	1/1	0.95	0.30	60,60,60,60	0
56	OHX	DA	3159	7/7	0.95	0.09	75,86,105,131	3
55	MG	AA	3032	1/1	0.95	0.39	37,37,37,37	0
56	OHX	AA	3562	7/7	0.95	0.13	100,110,119,157	1
56	OHX	DA	3166	7/7	0.95	0.07	159,166,176,197	1
55	MG	CA	1635	1/1	0.95	0.15	51,51,51,51	0
55	MG	AA	3194	1/1	0.95	0.35	56,56,56,56	0
55	MG	DA	3190	1/1	0.95	0.49	44,44,44,44	0
56	OHX	DB	210	7/7	0.95	0.08	119,127,150,173	2
56	OHX	DB	211	7/7	0.95	0.07	105,121,145,156	2
56	OHX	DB	212	7/7	0.95	0.07	144,152,161,194	1
56	OHX	AA	3479	7/7	0.95	0.06	94,103,125,176	3
55	MG	AA	3223	1/1	0.95	0.19	43,43,43,43	0
55	MG	AA	3014	1/1	0.95	0.20	33,33,33,33	0
55	MG	AA	3254	1/1	0.95	0.35	43,43,43,43	0
56	OHX	DA	3214	7/7	0.95	0.08	82,92,98,133	2
56	OHX	AA	3483	7/7	0.95	0.10	106,109,118,158	2
55	MG	AA	3077	1/1	0.95	0.27	39,39,39,39	0
55	MG	CC	102	1/1	0.95	0.37	69,69,69,69	0
55	MG	AF	301	1/1	0.95	0.10	74,74,74,74	0
55	MG	DA	3108	1/1	0.95	0.32	56,56,56,56	0
56	OHX	CA	1733	7/7	0.95	0.12	109,120,127,147	1
56	OHX	D8	101	7/7	0.95	0.09	140,149,164,175	1
57	PAR	BA	1715	42/42	0.95	0.08	61,73,83,89	0
56	OHX	CA	1735	7/7	0.95	0.08	146,153,168,212	0
56	OHX	CA	1738	7/7	0.95	0.09	120,123,126,168	1
55	MG	CN	201	1/1	0.96	0.10	79,79,79,79	0
56	OHX	AA	3452	7/7	0.96	0.12	92,103,111,136	1
56	OHX	AA	3518	7/7	0.96	0.07	106,114,121,148	1
55	MG	DA	3058	1/1	0.96	0.26	70,70,70,70	0
56	OHX	BA	1725	7/7	0.96	0.09	95,114,126,182	1
55	MG	D5	101	1/1	0.96	0.14	43,43,43,43	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	OHX	BA	1732	7/7	0.96	0.07	128,131,145,175	2
56	OHX	BA	1733	7/7	0.96	0.10	98,108,118,146	1
56	OHX	CA	1814	7/7	0.96	0.05	149,152,161,212	1
56	OHX	BG	302	7/7	0.96	0.06	138,141,145,177	1
55	MG	AA	3251	1/1	0.96	0.25	75,75,75,75	0
55	MG	A5	101	1/1	0.96	0.24	43,43,43,43	0
56	OHX	AA	3366	7/7	0.96	0.08	79,94,104,141	1
55	MG	AA	3232	1/1	0.96	0.13	62,62,62,62	0
56	OHX	AA	3369	7/7	0.96	0.07	76,100,116,143	1
56	OHX	AA	3371	7/7	0.96	0.10	65,79,88,136	2
55	MG	DA	3189	1/1	0.96	0.32	56,56,56,56	0
56	OHX	AA	3380	7/7	0.96	0.09	86,90,110,143	1
56	OHX	CA	1731	7/7	0.96	0.09	90,118,129,156	1
56	OHX	DA	3082	7/7	0.96	0.09	92,102,108,132	1
55	MG	BA	1626	1/1	0.96	0.26	47,47,47,47	0
55	MG	AA	3217	1/1	0.96	0.07	66,66,66,66	0
56	OHX	AA	3531	7/7	0.96	0.05	225,229,234,256	1
56	OHX	AA	3467	7/7	0.96	0.11	72,88,95,139	1
55	MG	DA	3305	1/1	0.96	0.22	48,48,48,48	0
56	OHX	AA	3469	7/7	0.96	0.07	103,113,128,153	1
56	OHX	BA	1753	7/7	0.96	0.08	103,110,125,169	1
55	MG	DA	3306	1/1	0.96	0.35	86,86,86,86	0
56	OHX	CA	1748	7/7	0.96	0.07	137,145,152,186	1
56	OHX	BA	1755	7/7	0.96	0.08	123,128,136,161	1
55	MG	DA	3121	1/1	0.96	0.50	78,78,78,78	0
55	MG	AA	3271	1/1	0.96	0.40	63,63,63,63	0
56	OHX	CA	1752	7/7	0.96	0.08	139,147,150,191	1
56	OHX	AA	3396	7/7	0.96	0.12	93,107,119,142	1
55	MG	DA	3194	1/1	0.96	0.18	48,48,48,48	0
55	MG	AA	3272	1/1	0.96	0.27	29,29,29,29	0
55	MG	DA	3126	1/1	0.96	0.39	63,63,63,63	0
55	MG	AA	3028	1/1	0.96	0.26	35,35,35,35	0
55	MG	CA	1702	1/1	0.96	0.24	59,59,59,59	0
56	OHX	AA	3406	7/7	0.96	0.12	93,96,102,133	1
56	OHX	CA	1761	7/7	0.96	0.06	133,143,154,174	1
55	MG	AA	3067	1/1	0.96	0.11	50,50,50,50	0
55	MG	AA	3205	1/1	0.96	0.08	42,42,42,42	0
56	OHX	DA	3459	7/7	0.96	0.12	85,104,120,156	1
55	MG	BC	103	1/1	0.96	0.36	70,70,70,70	0
55	MG	DA	3135	1/1	0.96	0.18	42,42,42,42	0
56	OHX	CA	1766	7/7	0.96	0.07	116,126,135,171	1
55	MG	AA	3082	1/1	0.96	0.19	57,57,57,57	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	AA	3116	1/1	0.96	0.23	63,63,63,63	0
55	MG	AA	3042	1/1	0.96	0.15	42,42,42,42	0
55	MG	AA	3037	1/1	0.96	0.18	55,55,55,55	0
55	MG	AA	3320	1/1	0.96	0.15	45,45,45,45	0
56	OHX	AA	3493	7/7	0.96	0.07	102,115,123,140	1
56	OHX	DA	3243	7/7	0.96	0.10	74,100,112,145	2
55	MG	DA	3008	1/1	0.96	0.13	43,43,43,43	0
55	MG	AA	3180	1/1	0.96	0.33	42,42,42,42	0
56	OHX	AA	3426	7/7	0.96	0.06	104,117,127,168	3
55	MG	BA	1614	1/1	0.96	0.19	73,73,73,73	0
55	MG	DA	3045	1/1	0.96	0.17	61,61,61,61	0
56	OHX	AA	3561	7/7	0.96	0.10	86,92,112,144	2
56	OHX	CA	1779	7/7	0.96	0.06	125,132,137,172	1
56	OHX	DA	3257	7/7	0.96	0.08	107,112,124,148	1
56	OHX	AA	3431	7/7	0.96	0.08	101,115,120,168	1
55	MG	DA	3149	1/1	0.96	0.15	53,53,53,53	0
56	OHX	DA	3355	7/7	0.96	0.07	109,111,119,148	2
55	MG	AE	303	1/1	0.96	0.15	36,36,36,36	0
56	OHX	DA	3365	7/7	0.96	0.07	100,119,136,159	2
56	OHX	DA	3366	7/7	0.96	0.08	87,100,130,154	2
56	OHX	DA	3367	7/7	0.96	0.09	100,113,133,149	1
55	MG	CA	1606	1/1	0.96	0.11	70,70,70,70	0
56	OHX	DA	3375	7/7	0.96	0.07	129,138,149,173	1
55	MG	AA	3016	1/1	0.96	0.33	29,29,29,29	0
56	OHX	DA	3377	7/7	0.96	0.09	91,105,111,146	2
56	OHX	DA	3383	7/7	0.96	0.07	110,119,138,151	2
56	OHX	AA	3568	7/7	0.96	0.09	101,109,114,153	1
55	MG	BA	1617	1/1	0.96	0.29	60,60,60,60	0
55	MG	DA	3155	1/1	0.96	0.23	58,58,58,58	0
56	OHX	AB	209	7/7	0.96	0.09	98,103,137,147	3
56	OHX	AA	3438	7/7	0.96	0.06	113,130,139,188	1
56	OHX	AB	211	7/7	0.96	0.06	124,127,142,178	1
56	OHX	AB	212	7/7	0.96	0.07	91,105,122,151	3
55	MG	AA	3228	1/1	0.96	0.27	53,53,53,53	0
55	MG	DA	3161	1/1	0.96	0.29	41,41,41,41	0
55	MG	AA	3150	1/1	0.96	0.14	53,53,53,53	0
56	OHX	CA	1796	7/7	0.96	0.06	150,159,170,195	1
56	OHX	DA	3403	7/7	0.96	0.09	99,105,122,140	1
55	MG	AA	3030	1/1	0.96	0.23	36,36,36,36	0
55	MG	DA	3234	1/1	0.96	0.18	41,41,41,41	0
56	OHX	DO	201	7/7	0.96	0.07	112,117,125,146	1
55	MG	DA	3018	1/1	0.96	0.16	47,47,47,47	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	AA	3009	1/1	0.96	0.13	29,29,29,29	0
56	OHX	AO	202	7/7	0.96	0.07	93,104,115,140	1
55	MG	CA	1693	1/1	0.96	0.14	55,55,55,55	0
55	MG	DA	3022	1/1	0.96	0.32	63,63,63,63	0
56	OHX	BA	1805	7/7	0.96	0.10	98,103,107,150	1
56	OHX	CA	1805	7/7	0.96	0.05	128,130,148,187	1
56	OHX	DA	3168	7/7	0.97	0.07	129,143,154,181	1
56	OHX	AA	3387	7/7	0.97	0.06	110,123,134,164	1
55	MG	AA	3298	1/1	0.97	0.17	45,45,45,45	0
56	OHX	AA	3450	7/7	0.97	0.06	97,112,128,161	2
55	MG	DA	3262	1/1	0.97	0.19	59,59,59,59	0
55	MG	DA	3263	1/1	0.97	0.21	55,55,55,55	0
55	MG	DA	3007	1/1	0.97	0.21	43,43,43,43	0
55	MG	AA	3315	1/1	0.97	0.11	50,50,50,50	0
55	MG	AA	3241	1/1	0.97	0.20	52,52,52,52	0
55	MG	DA	3098	1/1	0.97	0.21	63,63,63,63	0
56	OHX	AA	3458	7/7	0.97	0.08	96,103,139,158	1
55	MG	DA	3182	1/1	0.97	0.16	52,52,52,52	0
55	MG	AA	3136	1/1	0.97	0.17	42,42,42,42	0
55	MG	DA	3301	1/1	0.97	0.18	60,60,60,60	0
55	MG	AA	3218	1/1	0.97	0.25	35,35,35,35	0
55	MG	AA	3244	1/1	0.97	0.22	41,41,41,41	0
55	MG	BA	1641	1/1	0.97	0.13	54,54,54,54	0
55	MG	BA	1660	1/1	0.97	0.32	52,52,52,52	0
56	OHX	BC	107	7/7	0.97	0.07	126,137,143,151	1
56	OHX	AA	3566	7/7	0.97	0.05	171,177,185,204	1
55	MG	AA	3196	1/1	0.97	0.28	43,43,43,43	0
55	MG	AA	3288	1/1	0.97	0.26	55,55,55,55	0
56	OHX	CA	1728	7/7	0.97	0.07	104,119,138,150	2
55	MG	DA	3144	1/1	0.97	0.33	44,44,44,44	0
55	MG	AA	3188	1/1	0.97	0.09	29,29,29,29	0
56	OHX	CA	1734	7/7	0.97	0.07	145,147,151,167	1
56	OHX	BA	1768	7/7	0.97	0.09	87,95,105,130	2
56	OHX	CA	1736	7/7	0.97	0.07	163,166,178,209	0
56	OHX	DA	3354	7/7	0.97	0.09	88,99,121,135	1
56	OHX	BA	1769	7/7	0.97	0.05	159,168,172,218	1
56	OHX	DA	3357	7/7	0.97	0.07	100,118,130,150	1
56	OHX	DA	3359	7/7	0.97	0.06	99,118,131,143	1
55	MG	AA	3198	1/1	0.97	0.15	34,34,34,34	0
56	OHX	CA	1740	7/7	0.97	0.06	125,134,139,166	1
56	OHX	AA	3471	7/7	0.97	0.06	80,105,117,155	1
55	MG	DA	3147	1/1	0.97	0.18	55,55,55,55	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	OHX	DA	3369	7/7	0.97	0.08	89,100,105,125	1
56	OHX	DA	3370	7/7	0.97	0.12	94,102,123,149	1
56	OHX	CA	1744	7/7	0.97	0.07	128,134,150,164	1
56	OHX	DA	3373	7/7	0.97	0.09	93,104,119,171	1
56	OHX	DA	3374	7/7	0.97	0.07	127,131,139,156	1
55	MG	DA	3019	1/1	0.97	0.17	41,41,41,41	0
56	OHX	CA	1746	7/7	0.97	0.07	112,115,128,150	1
55	MG	AA	3095	1/1	0.97	0.23	42,42,42,42	0
56	OHX	DA	3379	7/7	0.97	0.07	116,134,147,164	1
56	OHX	DA	3382	7/7	0.97	0.10	67,85,95,136	2
56	OHX	AA	3427	7/7	0.97	0.07	131,132,136,155	1
56	OHX	DA	3384	7/7	0.97	0.06	89,92,105,143	2
55	MG	DA	3150	1/1	0.97	0.10	46,46,46,46	0
56	OHX	DA	3387	7/7	0.97	0.05	108,115,125,151	1
56	OHX	AA	3429	7/7	0.97	0.12	84,97,102,156	1
56	OHX	DA	3390	7/7	0.97	0.06	117,127,135,170	1
56	OHX	AA	3363	7/7	0.97	0.07	89,101,119,137	1
55	MG	AA	3010	1/1	0.97	0.25	39,39,39,39	0
55	MG	CA	1669	1/1	0.97	0.29	48,48,48,48	0
55	MG	AA	3163	1/1	0.97	0.35	34,34,34,34	0
56	OHX	DA	3395	7/7	0.97	0.10	102,109,124,139	1
55	MG	AA	3264	1/1	0.97	0.32	51,51,51,51	0
56	OHX	AA	3533	7/7	0.97	0.09	79,94,100,134	1
56	OHX	CC	109	7/7	0.97	0.05	112,114,129,153	3
56	OHX	CC	110	7/7	0.97	0.06	103,121,132,150	4
56	OHX	DA	3401	7/7	0.97	0.07	108,115,120,150	1
56	OHX	AA	3374	7/7	0.97	0.09	32,70,109,140	3
56	OHX	AA	3375	7/7	0.97	0.07	83,101,103,143	1
55	MG	CA	1611	1/1	0.97	0.20	81,81,81,81	0
56	OHX	AA	3487	7/7	0.97	0.07	73,82,95,140	2
56	OHX	AA	3377	7/7	0.97	0.08	77,87,106,151	2
56	OHX	BA	1728	7/7	0.97	0.07	140,147,157,166	1
56	OHX	BA	1730	7/7	0.97	0.07	106,118,135,150	1
56	OHX	AA	3378	7/7	0.97	0.15	77,88,108,118	1
56	OHX	AA	3490	7/7	0.97	0.13	85,93,105,125	1
56	OHX	AA	3440	7/7	0.97	0.07	83,91,111,141	1
56	OHX	BA	1735	7/7	0.97	0.07	120,129,137,168	1
55	MG	AA	3202	1/1	0.97	0.10	30,30,30,30	0
56	OHX	AA	3381	7/7	0.97	0.06	127,136,147,180	1
55	MG	DA	3027	1/1	0.97	0.09	78,78,78,78	0
56	OHX	BA	1741	7/7	0.97	0.07	95,110,126,148	1
56	OHX	DA	3132	7/7	0.97	0.05	185,187,192,225	1

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	OHX	DA	3134	7/7	0.97	0.07	114,120,126,150	1
56	OHX	DA	3136	7/7	0.97	0.07	95,108,117,144	1
56	OHX	DA	3422	7/7	0.97	0.07	92,100,111,154	1
56	OHX	AA	3444	7/7	0.97	0.10	79,89,101,122	2
55	MG	AA	3064	1/1	0.97	0.40	52,52,52,52	0
55	MG	AA	3186	1/1	0.97	0.17	57,57,57,57	0
56	OHX	AA	3386	7/7	0.97	0.09	75,83,104,131	1
58	ZN	CQ	101	1/1	0.97	0.06	120,120,120,120	0
56	OHX	AA	3453	7/7	0.98	0.10	72,88,95,134	2
56	OHX	AA	3410	7/7	0.98	0.08	91,99,106,125	1
56	OHX	AA	3411	7/7	0.98	0.05	107,117,135,154	0
55	MG	DA	3197	1/1	0.98	0.17	49,49,49,49	0
56	OHX	BA	1723	7/7	0.98	0.08	93,106,124,143	1
56	OHX	BA	1724	7/7	0.98	0.06	114,121,136,156	0
56	OHX	DA	3249	7/7	0.98	0.06	93,103,118,149	1
56	OHX	AA	3413	7/7	0.98	0.06	94,104,121,143	1
56	OHX	BA	1726	7/7	0.98	0.05	134,139,145,195	0
56	OHX	BA	1727	7/7	0.98	0.07	116,137,148,161	1
56	OHX	AA	3368	7/7	0.98	0.06	104,115,121,140	1
56	OHX	BA	1729	7/7	0.98	0.06	110,115,135,137	1
56	OHX	AA	3415	7/7	0.98	0.07	90,93,100,146	1
56	OHX	DA	3339	7/7	0.98	0.08	91,96,120,132	0
55	MG	DA	3247	1/1	0.98	0.34	48,48,48,48	0
56	OHX	AA	3370	7/7	0.98	0.07	74,85,99,119	1
56	OHX	AA	3418	7/7	0.98	0.06	96,110,119,135	1
56	OHX	DA	3356	7/7	0.98	0.06	85,97,114,129	2
56	OHX	BA	1734	7/7	0.98	0.07	92,99,114,146	1
56	OHX	DA	3358	7/7	0.98	0.06	107,117,135,165	2
55	MG	AA	3185	1/1	0.98	0.23	35,35,35,35	0
56	OHX	DA	3360	7/7	0.98	0.14	72,81,91,113	1
56	OHX	DA	3361	7/7	0.98	0.08	68,94,122,134	3
56	OHX	BA	1736	7/7	0.98	0.05	112,121,128,152	1
56	OHX	DA	3364	7/7	0.98	0.08	75,93,104,118	1
56	OHX	AA	3373	7/7	0.98	0.05	84,96,108,141	1
55	MG	A0	201	1/1	0.98	0.12	52,52,52,52	0
56	OHX	BA	1739	7/7	0.98	0.07	109,119,131,155	1
56	OHX	DA	3368	7/7	0.98	0.08	86,101,103,132	2
55	MG	DA	3138	1/1	0.98	0.16	43,43,43,43	0
56	OHX	AA	3424	7/7	0.98	0.06	84,93,116,147	1
56	OHX	DA	3371	7/7	0.98	0.05	119,121,131,160	1
55	MG	BA	1603	1/1	0.98	0.09	40,40,40,40	0
56	OHX	CA	1760	7/7	0.98	0.04	145,148,151,188	1

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
55	MG	AA	3190	1/1	0.98	0.10	43,43,43,43	0
55	MG	AA	3216	1/1	0.98	0.25	33,33,33,33	0
56	OHX	DA	3064	7/7	0.98	0.06	87,100,123,131	3
56	OHX	DA	3068	7/7	0.98	0.06	102,127,131,147	0
56	OHX	DA	3378	7/7	0.98	0.06	153,156,169,185	0
56	OHX	DA	3071	7/7	0.98	0.07	107,121,146,184	0
56	OHX	DA	3380	7/7	0.98	0.06	108,123,139,150	1
56	OHX	DA	3381	7/7	0.98	0.06	111,118,134,167	1
56	OHX	DA	3073	7/7	0.98	0.06	89,101,109,132	1
55	MG	AA	3212	1/1	0.98	0.18	33,33,33,33	0
55	MG	DA	3156	1/1	0.98	0.10	73,73,73,73	0
55	MG	DA	3188	1/1	0.98	0.22	38,38,38,38	0
56	OHX	DA	3386	7/7	0.98	0.07	108,110,132,139	1
56	OHX	DA	3084	7/7	0.98	0.06	132,139,149,176	1
55	MG	BA	1623	1/1	0.98	0.25	39,39,39,39	0
56	OHX	DA	3389	7/7	0.98	0.07	82,85,99,113	1
55	MG	AA	3122	1/1	0.98	0.19	57,57,57,57	0
55	MG	BA	1707	1/1	0.98	0.08	63,63,63,63	0
56	OHX	AA	3477	7/7	0.98	0.07	81,92,107,133	2
55	MG	DA	3167	1/1	0.98	0.10	61,61,61,61	0
56	OHX	AA	3388	7/7	0.98	0.05	106,112,125,156	1
56	OHX	AA	3390	7/7	0.98	0.07	48,74,93,125	2
55	MG	AA	3240	1/1	0.98	0.31	56,56,56,56	0
56	OHX	DA	3397	7/7	0.98	0.05	104,119,125,149	1
56	OHX	AB	207	7/7	0.98	0.06	89,93,105,113	1
56	OHX	AA	3336	7/7	0.98	0.12	67,91,105,145	0
56	OHX	AA	3348	7/7	0.98	0.06	75,81,98,100	3
56	OHX	AA	3353	7/7	0.98	0.08	71,99,117,132	1
56	OHX	BA	1814	7/7	0.98	0.06	88,100,109,173	0
56	OHX	AA	3397	7/7	0.98	0.06	96,102,109,143	1
56	OHX	DA	3157	7/7	0.98	0.09	76,87,96,121	1
56	OHX	DB	208	7/7	0.98	0.06	120,124,144,144	2
56	OHX	AA	3354	7/7	0.98	0.06	96,105,128,164	0
56	OHX	DA	3162	7/7	0.98	0.05	128,132,141,207	0
56	OHX	AA	3355	7/7	0.98	0.07	88,95,127,131	3
56	OHX	AA	3400	7/7	0.98	0.07	64,77,80,123	1
56	OHX	AA	3359	7/7	0.98	0.05	91,110,118,137	1
56	OHX	BC	105	7/7	0.98	0.06	129,141,151,159	1
56	OHX	AA	3402	7/7	0.98	0.07	73,86,98,123	1
56	OHX	AA	3403	7/7	0.98	0.07	59,89,94,139	1
56	OHX	AA	3361	7/7	0.98	0.07	76,81,111,125	3
55	MG	DA	3079	1/1	0.98	0.12	49,49,49,49	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	OHX	AE	304	7/7	0.98	0.15	73,87,113,116	2
56	OHX	CA	1724	7/7	0.98	0.10	88,111,121,131	0
56	OHX	DA	3418	7/7	0.98	0.07	87,98,117,139	3
56	OHX	CA	1791	7/7	0.98	0.06	100,118,129,154	1
56	OHX	CA	1726	7/7	0.98	0.08	89,98,100,124	1
55	MG	DA	3195	1/1	0.98	0.04	46,46,46,46	0
56	OHX	CA	1729	7/7	0.98	0.08	104,115,126,154	1
56	OHX	CA	1730	7/7	0.98	0.06	132,134,143,167	0
56	OHX	AA	3365	7/7	0.98	0.07	86,102,111,118	3
58	ZN	BG	301	1/1	0.98	0.17	84,84,84,84	0
58	ZN	BQ	101	1/1	0.98	0.07	135,135,135,135	0
56	OHX	CA	1732	7/7	0.98	0.07	112,117,126,152	1
55	MG	BA	1698	1/1	0.98	0.34	54,54,54,54	0
56	OHX	CA	1723	7/7	0.99	0.12	84,100,111,141	0
56	OHX	AA	3342	7/7	0.99	0.06	65,86,103,114	1
56	OHX	CA	1725	7/7	0.99	0.04	108,111,122,123	1
56	OHX	AA	3344	7/7	0.99	0.05	86,92,112,118	1
56	OHX	CA	1727	7/7	0.99	0.04	114,118,131,143	0
56	OHX	AA	3345	7/7	0.99	0.06	87,112,122,135	0
56	OHX	AA	3346	7/7	0.99	0.06	73,81,101,124	2
56	OHX	AA	3347	7/7	0.99	0.04	74,77,98,102	2
55	MG	DA	3122	1/1	0.99	0.32	30,30,30,30	0
56	OHX	AA	3349	7/7	0.99	0.04	94,104,124,143	0
56	OHX	AA	3382	7/7	0.99	0.05	65,73,84,93	0
56	OHX	DA	3062	7/7	0.99	0.06	70,95,103,114	1
56	OHX	AA	3350	7/7	0.99	0.06	95,103,113,148	1
56	OHX	DA	3065	7/7	0.99	0.05	55,92,111,137	1
56	OHX	AA	3351	7/7	0.99	0.09	60,68,78,99	3
56	OHX	AA	3352	7/7	0.99	0.05	80,86,96,122	1
56	OHX	CA	1737	7/7	0.99	0.04	103,118,125,148	1
56	OHX	DA	3075	7/7	0.99	0.05	89,91,114,123	1
55	MG	AA	3238	1/1	0.99	0.41	47,47,47,47	0
55	MG	AA	3283	1/1	0.99	0.04	21,21,21,21	0
56	OHX	BA	1716	7/7	0.99	0.09	73,86,99,116	0
56	OHX	DA	3335	7/7	0.99	0.07	87,96,112,126	0
56	OHX	DA	3337	7/7	0.99	0.08	74,80,86,97	1
56	OHX	DA	3338	7/7	0.99	0.07	72,79,93,112	0
56	OHX	BA	1717	7/7	0.99	0.06	81,90,105,119	0
56	OHX	DA	3340	7/7	0.99	0.04	86,102,124,126	1
56	OHX	DA	3341	7/7	0.99	0.07	87,105,126,140	0
56	OHX	DA	3342	7/7	0.99	0.05	79,85,102,102	2
56	OHX	DA	3343	7/7	0.99	0.06	93,113,122,129	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	OHX	DA	3344	7/7	0.99	0.07	93,104,111,114	1
56	OHX	DA	3412	7/7	0.99	0.05	93,110,113,161	1
56	OHX	DA	3345	7/7	0.99	0.07	89,96,107,130	0
56	OHX	DA	3347	7/7	0.99	0.05	89,99,108,134	0
56	OHX	CA	1742	7/7	0.99	0.05	153,166,169,174	1
56	OHX	DA	3349	7/7	0.99	0.05	103,105,113,143	0
56	OHX	DA	3350	7/7	0.99	0.05	90,99,110,132	1
56	OHX	DA	3351	7/7	0.99	0.05	87,96,108,109	1
56	OHX	DA	3352	7/7	0.99	0.06	105,120,129,149	0
56	OHX	DA	3353	7/7	0.99	0.05	102,117,129,132	1
56	OHX	BA	1718	7/7	0.99	0.11	68,82,103,130	2
56	OHX	BA	1719	7/7	0.99	0.06	85,102,114,124	1
56	OHX	BA	1720	7/7	0.99	0.06	95,108,133,161	2
56	OHX	BA	1721	7/7	0.99	0.06	109,115,141,157	1
56	OHX	BA	1722	7/7	0.99	0.04	114,116,123,159	0
55	MG	AA	3129	1/1	0.99	0.07	43,43,43,43	0
56	OHX	AA	3422	7/7	0.99	0.06	63,104,126,147	2
56	OHX	AA	3389	7/7	0.99	0.07	80,93,103,143	0
56	OHX	AA	3358	7/7	0.99	0.07	79,81,92,113	1
56	OHX	DA	3363	7/7	0.99	0.05	95,105,122,123	2
56	OHX	AA	3391	7/7	0.99	0.07	69,80,102,109	3
55	MG	DA	3004	1/1	0.99	0.12	32,32,32,32	0
56	OHX	AA	3393	7/7	0.99	0.07	50,81,89,115	2
56	OHX	AA	3360	7/7	0.99	0.05	88,94,111,129	2
56	OHX	AA	3327	7/7	0.99	0.09	38,70,106,113	0
56	OHX	AA	3329	7/7	0.99	0.05	73,97,104,113	0
56	OHX	DA	3160	7/7	0.99	0.05	79,114,122,124	0
56	OHX	AA	3330	7/7	0.99	0.09	81,85,101,147	0
56	OHX	AA	3364	7/7	0.99	0.06	72,81,97,125	1
56	OHX	AA	3331	7/7	0.99	0.08	93,94,108,145	0
56	OHX	AA	3332	7/7	0.99	0.08	40,73,95,99	2
56	OHX	AA	3333	7/7	0.99	0.05	99,103,122,123	0
56	OHX	AA	3335	7/7	0.99	0.09	62,76,78,127	0
55	MG	DA	3187	1/1	0.99	0.27	55,55,55,55	0
56	OHX	AA	3338	7/7	0.99	0.05	66,87,106,113	2
56	OHX	AA	3340	7/7	0.99	0.06	84,93,95,126	0
56	OHX	AA	3341	7/7	0.99	0.09	77,80,88,124	1
56	OHX	AA	3407	7/7	0.99	0.06	53,82,90,103	2
56	OHX	DA	3212	7/7	1.00	0.05	64,77,91,94	1
56	OHX	AA	3328	7/7	1.00	0.05	67,76,86,89	1
56	OHX	AA	3326	7/7	1.00	0.06	75,76,87,119	0
56	OHX	AA	3379	7/7	1.00	0.09	20,47,62,138	0

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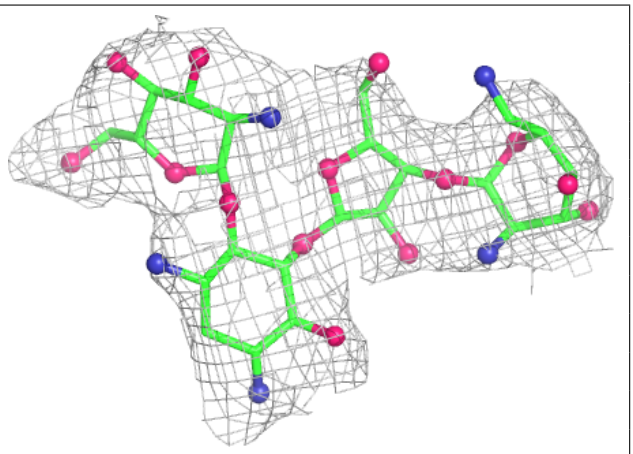
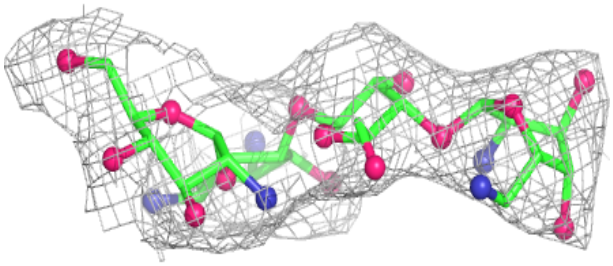
Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
56	OHX	DA	3336	7/7	1.00	0.04	86,95,105,106	0
56	OHX	AF	303	7/7	1.00	0.08	46,54,72,103	0
56	OHX	DF	301	7/7	1.00	0.06	53,80,83,83	1
56	OHX	DA	3061	7/7	1.00	0.04	81,86,92,106	0
56	OHX	DA	3346	7/7	1.00	0.04	107,113,126,132	0

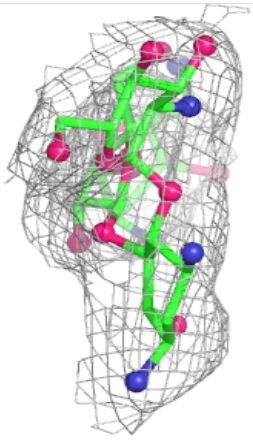
The following is a graphical depiction of the model fit to experimental electron density of all instances of the Ligand of Interest. In addition, ligands with molecular weight > 250 and outliers as shown on the geometry validation Tables will also be included. Each fit is shown from different orientation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

Electron density around PAR CA 1722:

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

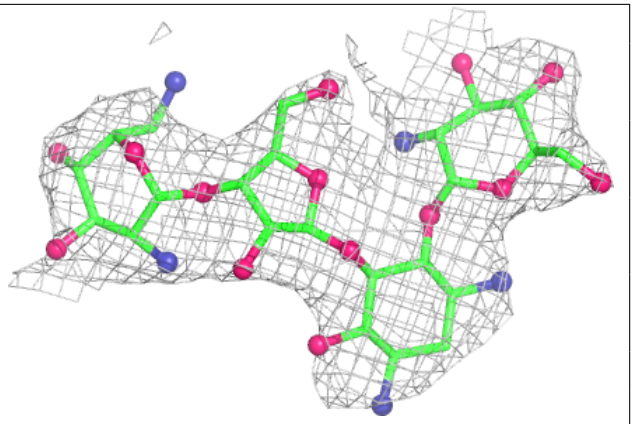


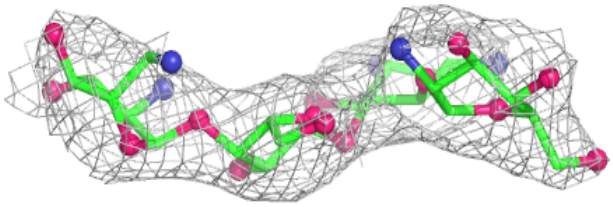


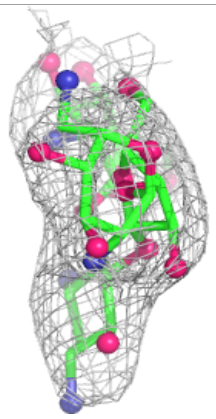


Electron density around PAR BA 1715:

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







6.5 Other polymers

There are no such residues in this entry.