



wwPDB X-ray Structure Validation Summary Report

Nov 29, 2022 – 09:03 pm GMT

PDB ID : 5TGM
Title : Crystal structure of the *S.cerevisiae* 80S ribosome in complex with the A-site bound aminoacyl-tRNA analog ACCA-Pro
Authors : Melnikov, S.; Mailliot, J.; Yusupov, M.
Deposited on : 2016-09-28
Resolution : 3.50 Å (reported)

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

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

A user guide is available at

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

with specific help available everywhere you see the  symbol.

The types of validation reports are described at

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

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

MolProbity : 4.02b-467
Mogul : 1.8.4, CSD as541be (2020)
Xtriage (Phenix) : 1.13
EDS : 2.31.3
buster-report : 1.1.7 (2018)
Percentile statistics : 20191225.v01 (using entries in the PDB archive December 25th 2019)
Refmac : 5.8.0267
CCP4 : 7.1.010 (Gargrove)
Ideal geometry (proteins) : Engh & Huber (2001)
Ideal geometry (DNA, RNA) : Parkinson et al. (1996)
Validation Pipeline (wwPDB-VP) : 2.31.3

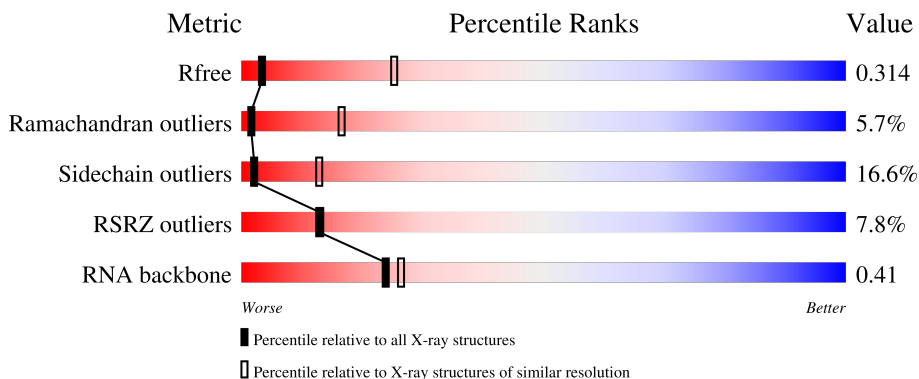
1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

X-RAY DIFFRACTION

The reported resolution of this entry is 3.50 Å.

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



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

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

Mol	Chain	Length	Quality of chain
1	2	1812	
2	S0	206	
2	s0	206	
3	S1	216	
3	s1	216	

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Mol	Chain	Length	Quality of chain
4	S2	217	31% 85% 13%
4	s2	217	15% 76% 22%
5	S3	223	30% 85% 14%
5	s3	223	36% 82% 17%
6	S4	260	12% 79% 19%
6	s4	260	3% 80% 20%
7	S5	206	28% 84% 14%
7	s5	206	20% 84% 15%
8	S6	226	19% 79% 19%
8	s6	226	18% 76% 18%
9	S7	186	8% 83% 15%
9	s7	186	4% 81% 17%
10	S8	199	18% 79% 13% 6%
10	s8	199	10% 79% 15% 6%
11	S9	185	19% 84% 14%
11	s9	185	2% 82% 17%
12	C0	105	9% 74% 16% 9%
12	c0	105	24% 72% 14% 5% 9%
13	C1	156	27% 85% 15%
13	c1	156	6% 78% 16% 6%
14	C2	143	30% 67% 18% 13%
14	c2	143	24% 67% 19% 13%
15	C3	150	6% 79% 19%
15	c3	150	% 83% 14%
16	C4	128	9% 82% 14%

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Mol	Chain	Length	Quality of chain
16	c4	128	13% 83% 16%
17	C5	142	6% 72% 14% 13%
17	c5	142	7% 74% 20% 5%
18	C6	142	48% 78% 19%
18	c6	142	30% 84% 16%
19	C7	125	33% 77% 17%
19	c7	125	14% 72% 21% 6%
20	C8	145	6% 84% 12%
20	c8	145	7% 79% 20%
21	C9	143	22% 81% 19%
21	c9	143	8% 89% 10%
22	D0	110	24% 79% 18%
22	d0	110	46% 77% 19%
23	D1	87	18% 76% 24%
23	d1	87	6% 83% 16%
24	D2	129	22% 81% 19%
24	d2	129	85% 15%
25	D3	144	5% 83% 17%
25	d3	144	2% 82% 17%
26	D4	134	2% 81% 17%
26	d4	134	4% 78% 18%
27	D5	70	10% 67% 30%
27	d5	70	7% 80% 19%
28	D6	97	43% 70% 23% 7%
28	d6	97	53% 72% 28%

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Mol	Chain	Length	Quality of chain
29	D7	81	16% 95% 5%
29	d7	81	5% 78% 22%
30	D8	63	51% 79% 19%
30	d8	63	63% 75% 24%
31	D9	53	4% 75% 25%
31	d9	53	25% 70% 30%
32	E0	62	15% 73% 23%
32	e0	62	10% 82% 15%
33	E1	76	11% 58% 32%
33	e1	76	20% 59% 36%
34	SR	318	26% 89% 10%
35	SM	299	9% 43% 9% 47%
36	1	3149	2% 74% 23%
37	3	121	3% 82% 15%
37	7	121	0% 80% 18%
38	4	158	0% 71% 28%
38	8	158	0% 71% 24%
39	L2	252	3% 79% 19%
39	l2	252	2% 76% 21%
40	L3	386	0% 73% 24%
40	l3	386	0% 75% 22%
41	L4	361	0% 75% 20% 6%
41	l4	361	0% 75% 20% 5%
42	L5	296	12% 78% 20%
42	l5	296	0% 74% 22%

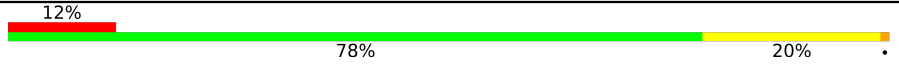
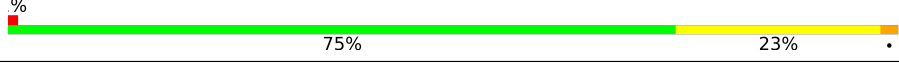
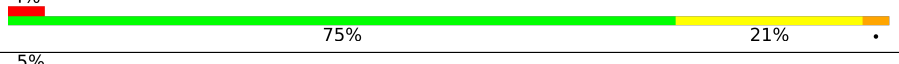


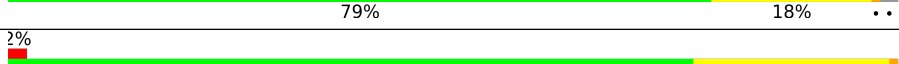
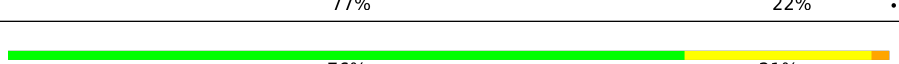
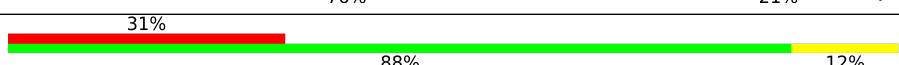
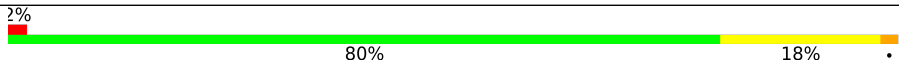


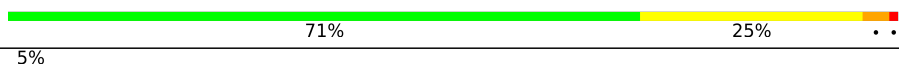
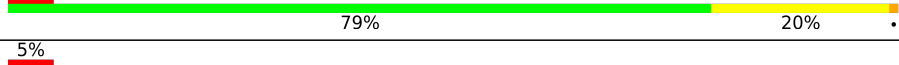

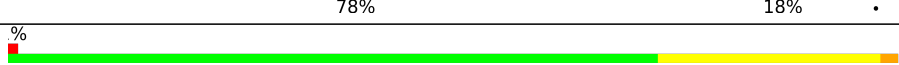










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Mol	Chain	Length	Quality of chain
43	L6	175	75% 13% 11%
43	l6	175	2% 73% 15% 10%
44	L7	223	74% 22%
44	l7	223	75% 22%
45	L8	233	2% 83% 16%
46	L9	191	7% 69% 28%
46	l9	191	2% 74% 24%
47	M0	220	70% 24%
47	m0	220	4% 70% 20% 5%
48	M1	169	11% 76% 18%
48	m1	169	77% 22%
49	M3	194	72% 24%
49	m3	194	3% 74% 25%
50	M4	137	2% 74% 23%
50	m4	137	74% 25%
51	M5	203	74% 23%
51	m5	203	78% 20%
52	M6	197	75% 23%
52	m6	197	74% 23%
53	M7	183	5% 75% 23%
53	m7	183	58% 24% 15%
54	M8	185	76% 23%
54	m8	185	72% 26%
55	M9	188	4% 86% 13%
55	m9	188	80% 19%

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Mol	Chain	Length	Quality of chain
56	N0	172	 12% 78% 20%
56	n0	172	 % 75% 23%
57	N1	159	 4% 75% 21%
57	n1	159	 5% 74% 25%
58	N2	100	 5% 79% 20%
58	n2	100	 4% 79% 18%
59	N3	136	 2% 77% 22%
59	n3	136	 76% 21%
60	N4	98	 31% 88% 12%
61	N5	121	 2% 80% 18%
61	n5	121	 % 67% 30%
62	N6	126	 % 70% 26%
62	n6	126	 71% 25%
63	N7	135	 5% 79% 20%
63	n7	135	 5% 76% 21%
64	N8	148	 78% 18%
64	n8	148	 % 73% 25%
65	N9	58	 81% 17%
65	n9	58	 5% 76% 19%
66	O0	100	 3% 79% 18%
66	o0	100	 5% 82% 16%
67	O1	109	 3% 79% 17%
67	o1	109	 2% 72% 24%
68	O2	127	 70% 27%
68	o2	127	 66% 31%

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Mol	Chain	Length	Quality of chain
69	O3	106	69% 26% . .
69	o3	106	72% 25% .
70	O4	112	4% 81% 18% .
70	o4	112	4% 81% 18% .
71	O5	119	% 81% 16% .
71	o5	119	% 74% 22% .
72	O6	99	2% 71% 27% .
72	o6	99	% 76% 22% .
73	O7	87	% 76% 22% .
73	o7	87	3% 76% 21% .
74	O8	77	% 71% 26% .
74	o8	77	4% 79% 19% .
75	O9	50	72% 26% .
75	o9	50	72% 28% .
76	Q0	52	2% 67% 31% .
76	q0	52	71% 29% .
77	Q1	25	76% 24% .
77	q1	25	64% 32% .
78	Q2	105	10% 67% 31% . .
78	q2	105	9% 73% 23% . .
79	Q3	91	5% 70% 29% .
79	q3	91	3% 74% 25% .
80	6	1800	7% 13% 65% 21%
81	sR	318	30% 90% 10% .
82	sM	273	5% 32% 5% . 62%

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Mol	Chain	Length	Quality of chain
83	5	3150	
84	l8	256	
85	m2	165	
86	n4	135	
87	p0	312	
88	p1	128	
88	p2	128	
89	P	4	
89	p	4	

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
91	MG	1	3732	-	-	-	X
91	MG	1	3735	-	-	-	X
91	MG	1	3743	-	-	-	X
91	MG	1	3764	-	-	-	X
91	MG	1	3773	-	-	-	X
91	MG	1	3782	-	-	-	X
91	MG	1	3785	-	-	-	X
91	MG	1	3817	-	-	-	X
91	MG	1	3831	-	-	-	X
91	MG	1	3847	-	-	-	X
91	MG	1	3854	-	-	-	X
91	MG	1	3873	-	-	-	X
91	MG	1	3914	-	-	-	X
91	MG	1	3932	-	-	-	X
91	MG	1	3944	-	-	-	X
91	MG	1	3946	-	-	-	X
91	MG	1	3963	-	-	-	X
91	MG	1	3964	-	-	-	X
91	MG	1	3976	-	-	-	X
91	MG	1	3984	-	-	-	X
91	MG	1	3989	-	-	-	X
91	MG	1	4000	-	-	-	X

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
91	MG	1	4008	-	-	-	X
91	MG	1	4012	-	-	-	X
91	MG	1	4024	-	-	-	X
91	MG	1	4031	-	-	-	X
91	MG	1	4042	-	-	-	X
91	MG	1	4052	-	-	-	X
91	MG	1	4053	-	-	-	X
91	MG	1	4063	-	-	-	X
91	MG	1	4077	-	-	-	X
91	MG	1	4079	-	-	-	X
91	MG	1	4093	-	-	-	X
91	MG	2	2061	-	-	-	X
91	MG	2	2068	-	-	-	X
91	MG	2	2070	-	-	-	X
91	MG	2	2076	-	-	-	X
91	MG	2	2078	-	-	-	X
91	MG	2	2084	-	-	-	X
91	MG	2	2089	-	-	-	X
91	MG	2	2092	-	-	-	X
91	MG	2	2094	-	-	-	X
91	MG	2	2101	-	-	-	X
91	MG	2	2110	-	-	-	X
91	MG	2	2112	-	-	-	X
91	MG	2	2114	-	-	-	X
91	MG	2	2117	-	-	-	X
91	MG	2	2118	-	-	-	X
91	MG	2	2132	-	-	-	X
91	MG	2	2138	-	-	-	X
91	MG	2	2141	-	-	-	X
91	MG	5	3754	-	-	-	X
91	MG	5	3763	-	-	-	X
91	MG	5	3789	-	-	-	X
91	MG	5	3792	-	-	-	X
91	MG	5	3809	-	-	-	X
91	MG	5	3831	-	-	-	X
91	MG	5	3838	-	-	-	X
91	MG	5	3860	-	-	-	X
91	MG	5	3874	-	-	-	X
91	MG	5	3895	-	-	-	X
91	MG	5	3943	-	-	-	X
91	MG	5	3948	-	-	-	X
91	MG	5	3969	-	-	-	X

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
91	MG	5	3985	-	-	-	X
91	MG	5	3988	-	-	-	X
91	MG	5	4007	-	-	-	X
91	MG	5	4019	-	-	-	X
91	MG	5	4021	-	-	-	X
91	MG	5	4037	-	-	-	X
91	MG	5	4048	-	-	-	X
91	MG	5	4062	-	-	-	X
91	MG	5	4065	-	-	-	X
91	MG	5	4084	-	-	-	X
91	MG	5	4086	-	-	-	X
91	MG	5	4097	-	-	-	X
91	MG	5	4102	-	-	-	X
91	MG	5	4107	-	-	-	X
91	MG	5	4112	-	-	-	X
91	MG	5	4122	-	-	-	X
91	MG	5	4126	-	-	-	X
91	MG	5	4132	-	-	-	X
91	MG	5	4153	-	-	-	X
91	MG	5	4168	-	-	-	X
91	MG	5	4171	-	-	-	X
91	MG	6	2062	-	-	-	X
91	MG	6	2064	-	-	-	X
91	MG	6	2067	-	-	-	X
91	MG	6	2073	-	-	-	X
91	MG	6	2080	-	-	-	X
91	MG	6	2091	-	-	-	X
91	MG	6	2093	-	-	-	X
91	MG	6	2098	-	-	-	X
91	MG	6	2102	-	-	-	X
91	MG	6	2105	-	-	-	X
91	MG	6	2106	-	-	-	X
91	MG	6	2108	-	-	-	X
91	MG	6	2111	-	-	-	X
91	MG	6	2114	-	-	-	X
91	MG	6	2120	-	-	-	X
91	MG	6	2125	-	-	-	X
91	MG	6	2129	-	-	-	X
91	MG	6	2130	-	-	-	X
91	MG	6	2133	-	-	-	X
91	MG	6	2136	-	-	-	X
91	MG	6	2137	-	-	-	X

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
91	MG	6	2141	-	-	-	X
91	MG	6	2147	-	-	-	X
91	MG	6	2152	-	-	-	X
91	MG	6	2156	-	-	-	X
91	MG	6	2166	-	-	-	X
91	MG	6	2167	-	-	-	X
91	MG	6	2180	-	-	-	X
91	MG	6	2183	-	-	-	X
91	MG	7	212	-	-	-	X
91	MG	7	225	-	-	-	X
91	MG	C1	201	-	-	-	X
91	MG	C9	201	-	-	-	X
91	MG	L4	404	-	-	-	X
91	MG	M7	202	-	-	-	X
91	MG	O7	105	-	-	-	X
91	MG	S4	301	-	-	-	X
91	MG	c6	201	-	-	-	X
91	MG	d3	201	-	-	-	X
91	MG	d7	102	-	-	-	X
91	MG	l6	201	-	-	-	X
91	MG	n6	201	-	-	-	X
91	MG	o2	201	-	-	-	X
91	MG	o9	101	-	-	-	X
91	MG	s6	301	-	-	-	X
93	PHE	5	3401	-	-	-	X

2 Entry composition [i](#)

There are 96 unique types of molecules in this entry. The entry contains 411566 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 18S ribosomal RNA.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
			Total	C	N	O	P			
1	2	1781	37970	16975	6720	12493	1782	0	1	0

- Molecule 2 is a protein called 40S ribosomal protein S0-A.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
			Total	C	N	O	S			
2	S0	206	1577	1014	278	283	2	0	0	0
2	s0	206	1583	1017	281	283	2	0	0	0

- Molecule 3 is a protein called 40S ribosomal protein S1-B.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
			Total	C	N	O	S			
3	S1	214	1709	1084	310	311	4	0	0	0
3	s1	216	1722	1091	312	315	4	0	0	0

There are 8 discrepancies between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
S1	56	SER	ASN	conflict	UNP P23248
S1	84	ILE	VAL	conflict	UNP P23248
S1	174	LYS	ARG	conflict	UNP P23248
S1	178	GLY	ASN	conflict	UNP P23248
s1	56	SER	ASN	conflict	UNP P23248
s1	84	ILE	VAL	conflict	UNP P23248
s1	174	LYS	ARG	conflict	UNP P23248
s1	178	GLY	ASN	conflict	UNP P23248

- Molecule 4 is a protein called 40S ribosomal protein S2.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
4	S2	217	Total	C	N	O	S	0	0	0
			1635	1047	289	297	2			
4	s2	217	Total	C	N	O	S	0	0	0
			1635	1047	289	297	2			

- Molecule 5 is a protein called 40S ribosomal protein S3.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
5	S3	223	Total	C	N	O	S	0	0	0
			1734	1101	313	314	6			
5	s3	223	Total	C	N	O	S	0	0	0
			1734	1101	313	314	6			

- Molecule 6 is a protein called 40S ribosomal protein S4-A.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
6	S4	260	Total	C	N	O	S	0	0	0
			2068	1316	389	360	3			
6	s4	260	Total	C	N	O	S	0	0	0
			2068	1316	389	360	3			

- Molecule 7 is a protein called 40S ribosomal protein S5.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
7	S5	206	Total	C	N	O	S	0	0	0
			1609	1007	300	299	3			
7	s5	206	Total	C	N	O	S	0	0	0
			1609	1007	300	299	3			

- Molecule 8 is a protein called 40S ribosomal protein S6-A.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
8	S6	226	Total	C	N	O	S	0	0	0
			1799	1129	346	321	3			
8	s6	218	Total	C	N	O	S	0	0	0
			1755	1102	337	313	3			

- Molecule 9 is a protein called 40S ribosomal protein S7-A.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
9	S7	184	Total	C	N	O	0	0	0
			1481	951	265	265			

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Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
			Total	C	N	O			
9	s7	186	1491	957	267	267	0	0	0

- Molecule 10 is a protein called 40S ribosomal protein S8-A.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
			Total	C	N	O	S			
10	S8	188	1489	925	298	264	2	0	0	0
10	s8	188	1489	925	298	264	2	0	0	0

- Molecule 11 is a protein called 40S ribosomal protein S9-A.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
			Total	C	N	O	S			
11	S9	185	1494	943	289	261	1	0	0	0
11	s9	185	1494	943	289	261	1	0	0	0

- Molecule 12 is a protein called 40S ribosomal protein S10-A.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
			Total	C	N	O	S			
12	C0	96	772	499	126	145	2	0	0	0
12	c0	96	761	490	125	144	2	0	0	0

- Molecule 13 is a protein called 40S ribosomal protein S11-A.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
			Total	C	N	O	S			
13	C1	155	1213	774	230	206	3	0	0	0
13	c1	146	1168	747	221	197	3	0	0	0

- Molecule 14 is a protein called 40S ribosomal protein S12.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
			Total	C	N	O	S			
14	C2	124	890	560	156	172	2	0	0	0
14	c2	124	890	560	156	172	2	0	0	0

- Molecule 15 is a protein called 40S ribosomal protein S13.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
15	C3	150	Total	C	N	O	S	0	0	0
			1192	759	224	207	2			
15	c3	150	Total	C	N	O	S	0	0	0
			1192	759	224	207	2			

- Molecule 16 is a protein called 40S ribosomal protein S14-B.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
16	C4	127	Total	C	N	O	S	0	0	0
			891	545	182	163	1			
16	c4	128	Total	C	N	O	S	0	0	0
			949	582	188	176	3			

- Molecule 17 is a protein called 40S ribosomal protein S15.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
17	C5	124	Total	C	N	O	S	0	0	0
			977	622	182	166	7			
17	c5	135	Total	C	N	O	S	0	0	0
			1039	658	196	178	7			

- Molecule 18 is a protein called 40S ribosomal protein S16-A.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
18	C6	141	Total	C	N	O	0	0	0
			1105	708	203	194			
18	c6	142	Total	C	N	O	0	0	0
			1111	711	204	196			

- Molecule 19 is a protein called 40S ribosomal protein S17-B.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
19	C7	120	Total	C	N	O	S	0	0	0
			926	577	177	170	2			
19	c7	117	Total	C	N	O	S	0	0	0
			906	563	174	167	2			

- Molecule 20 is a protein called 40S ribosomal protein S18-A.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
20	C8	145	Total	C	N	O	S	0	0	0
			1192	743	237	210	2			
20	c8	145	Total	C	N	O	S	0	0	0
			1192	743	237	210	2			

- Molecule 21 is a protein called 40S ribosomal protein S19-A.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
21	C9	143	Total	C	N	O	S	0	0	0
			1112	694	208	208	2			
21	c9	143	Total	C	N	O	S	0	0	0
			1112	694	208	208	2			

- Molecule 22 is a protein called 40S ribosomal protein S20.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
22	D0	107	Total	C	N	O	S	0	0	0
			855	539	156	159	1			
22	d0	110	Total	C	N	O	S	0	0	0
			882	554	161	166	1			

- Molecule 23 is a protein called 40S ribosomal protein S21-A.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
23	D1	87	Total	C	N	O	S	0	0	0
			684	420	125	137	2			
23	d1	87	Total	C	N	O	S	0	0	0
			684	420	125	137	2			

- Molecule 24 is a protein called 40S ribosomal protein S22-A.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
24	D2	129	Total	C	N	O	S	0	0	0
			1021	650	188	180	3			
24	d2	129	Total	C	N	O	S	0	0	0
			1021	650	188	180	3			

- Molecule 25 is a protein called 40S ribosomal protein S23-A.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
25	D3	144	Total	C	N	O	S	0	0	0
			1121	708	220	191	2			

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
25	d3	144	Total	C	N	O	S	0	0	0
			1121	708	220	191	2			

- Molecule 26 is a protein called 40S ribosomal protein S24-A.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
26	D4	134	Total	C	N	O	0	0	0
			1073	676	208	189			
26	d4	134	Total	C	N	O	0	0	0
			1073	676	208	189			

- Molecule 27 is a protein called 40S ribosomal protein S25-A.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
27	D5	70	Total	C	N	O	0	0	0
			563	360	104	99			
27	d5	69	Total	C	N	O	0	0	0
			558	357	103	98			

- Molecule 28 is a protein called 40S ribosomal protein S26-B.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
28	D6	97	Total	C	N	O	S	0	0	0
			769	475	160	129	5			
28	d6	97	Total	C	N	O	S	0	0	0
			769	475	160	129	5			

- Molecule 29 is a protein called 40S ribosomal protein S27-A.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
29	D7	81	Total	C	N	O	S	0	0	0
			610	382	110	113	5			
29	d7	81	Total	C	N	O	S	0	0	0
			610	382	110	113	5			

- Molecule 30 is a protein called 40S ribosomal protein S28-A.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
30	D8	63	Total	C	N	O	S	0	0	0
			497	306	99	91	1			
30	d8	63	Total	C	N	O	S	0	0	0
			497	306	99	91	1			

- Molecule 31 is a protein called 40S ribosomal protein S29-A.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
31	D9	53	Total	C	N	O	S	0	0	0
			442	274	92	72	4			
31	d9	53	Total	C	N	O	S	0	0	0
			442	274	92	72	4			

- Molecule 32 is a protein called 40S ribosomal protein S30-A.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
32	E0	60	Total	C	N	O	S	0	0	0
			475	299	98	77	1			
32	e0	62	Total	C	N	O	S	0	0	0
			491	309	101	80	1			

- Molecule 33 is a protein called 40S ribosomal protein S31.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
33	E1	71	Total	C	N	O	S	0	0	0
			566	362	106	94	4			
33	e1	76	Total	C	N	O	S	0	0	0
			608	388	117	99	4			

- Molecule 34 is a protein called Guanine nucleotide-binding protein subunit beta-like protein.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
34	SR	318	Total	C	N	O	S	0	0	0
			2437	1541	418	470	8			

There is a discrepancy between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
SR	161	ALA	LYS	conflict	UNP P38011

- Molecule 35 is a protein called Suppressor protein STM1,Ribosome-bound protein Stm1,Suppressor protein STM1,Ribosome-bound protein Stm1.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
35	SM	159	Total	C	N	O	0	0	0
			1104	654	221	229			

There is a discrepancy between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
SM	134	LEU	ASP	conflict	UNP P39015

- Molecule 36 is a RNA chain called 25S ribosomal RNA.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
			Total	C	N	O	P			
36	1	3149	67355	30086	12142	21978	3149	0	0	0

- Molecule 37 is a RNA chain called 5S ribosomal RNA.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
			Total	C	N	O	P			
37	3	121	2579	1152	461	845	121	0	0	0
37	7	121	2579	1152	461	845	121	0	0	0

- Molecule 38 is a RNA chain called 5.8S ribosomal RNA.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
			Total	C	N	O	P			
38	4	158	3353	1500	586	1109	158	0	0	0
38	8	158	3353	1500	586	1109	158	0	0	0

- Molecule 39 is a protein called 60S ribosomal protein L2-A.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
			Total	C	N	O	S			
39	L2	252	1914	1191	388	334	1	0	0	0
39	l2	252	1912	1190	388	333	1	0	0	0

- Molecule 40 is a protein called 60S ribosomal protein L3.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
			Total	C	N	O	S			
40	L3	386	3075	1950	584	533	8	0	0	0
40	l3	386	3075	1950	584	533	8	0	0	0

- Molecule 41 is a protein called 60S ribosomal protein L4-A.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
41	L4	361	Total	C	N	O	S	0	0	0
			2748	1729	522	494	3			
41	14	361	Total	C	N	O	S	0	0	0
			2748	1729	522	494	3			

- Molecule 42 is a protein called 60S ribosomal protein L5.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
42	L5	296	Total	C	N	O	S	0	0	0
			2375	1501	414	458	2			
42	15	294	Total	C	N	O	S	0	0	0
			2359	1489	412	456	2			

- Molecule 43 is a protein called 60S ribosomal protein L6-A.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
43	L6	156	Total	C	N	O	S	0	0	0
			1239	800	222	216	1			
43	16	157	Total	C	N	O	S	0	0	0
			1248	806	224	217	1			

- Molecule 44 is a protein called 60S ribosomal protein L7-A.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
44	L7	222	Total	C	N	O	S	0	0	0
			1784	1151	324	308	1			
44	17	223	Total	C	N	O	S	0	0	0
			1791	1155	325	310	1			

- Molecule 45 is a protein called 60S ribosomal protein L8-A.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
45	L8	233	Total	C	N	O	S	0	0	0
			1804	1151	323	327	3			

- Molecule 46 is a protein called 60S ribosomal protein L9-A.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
46	L9	191	Total	C	N	O	S	0	0	0
			1518	963	274	277	4			
46	19	191	Total	C	N	O	S	0	0	0
			1518	963	274	277	4			

- Molecule 47 is a protein called 60S ribosomal protein L10.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
			Total	C	N	O	S			
47	M0	211	Total	C	N	O	S	0	0	0
			1705	1083	322	294	6			
47	m0	213	Total	C	N	O	S	0	0	0
			1722	1094	325	297	6			

- Molecule 48 is a protein called 60S ribosomal protein L11-B.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
			Total	C	N	O	S			
48	M1	169	Total	C	N	O	S	0	0	0
			1353	847	253	249	4			
48	m1	169	Total	C	N	O	S	0	0	0
			1353	847	253	249	4			

- Molecule 49 is a protein called 60S ribosomal protein L13-A.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
			Total	C	N	O			
49	M3	193	Total	C	N	O	0	0	0
			1543	962	315	266			
49	m3	194	Total	C	N	O	0	0	0
			1548	965	316	267			

- Molecule 50 is a protein called 60S ribosomal protein L14-A.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
			Total	C	N	O	S			
50	M4	136	Total	C	N	O	S	0	0	0
			1053	675	199	177	2			
50	m4	137	Total	C	N	O	S	0	0	0
			1059	678	200	179	2			

- Molecule 51 is a protein called 60S ribosomal protein L15-A.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
			Total	C	N	O	S			
51	M5	203	Total	C	N	O	S	0	0	0
			1720	1077	361	281	1			
51	m5	203	Total	C	N	O	S	0	0	0
			1720	1077	361	281	1			

- Molecule 52 is a protein called 60S ribosomal protein L16-A.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
52	M6	197	Total	C	N	O	S	0	0	0
			1555	1003	289	262	1			
52	m6	197	Total	C	N	O	S	0	0	0
			1555	1003	289	262	1			

- Molecule 53 is a protein called 60S ribosomal protein L17-A.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
53	M7	183	Total	C	N	O	S	0	0	0
			1420	882	281	257				
53	m7	155	Total	C	N	O	S	0	0	0
			1227	764	238	225				

- Molecule 54 is a protein called 60S ribosomal protein L18-A.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
54	M8	185	Total	C	N	O	S	0	0	0
			1441	908	290	241	2			
54	m8	185	Total	C	N	O	S	0	0	0
			1441	908	290	241	2			

- Molecule 55 is a protein called 60S ribosomal protein L19-A.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
55	M9	188	Total	C	N	O	S	0	0	0
			1521	935	326	260				
55	m9	188	Total	C	N	O	S	0	0	0
			1521	935	326	260				

- Molecule 56 is a protein called 60S ribosomal protein L20-A.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
56	N0	172	Total	C	N	O	S	0	0	0
			1445	930	267	244	4			
56	n0	172	Total	C	N	O	S	0	0	0
			1445	930	267	244	4			

- Molecule 57 is a protein called 60S ribosomal protein L21-A.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
57	N1	159	Total	C	N	O	S	0	0	0
			1276	805	246	221	4			

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
57	n1	159	Total	C	N	O	S	0	0	0
			1276	805	246	221	4			

- Molecule 58 is a protein called 60S ribosomal protein L22-A.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
58	N2	100	Total	C	N	O		0	0	0
			796	516	131	149				
58	n2	98	Total	C	N	O		0	0	0
			778	505	127	146				

- Molecule 59 is a protein called 60S ribosomal protein L23-A.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
59	N3	136	Total	C	N	O	S	0	0	0
			1003	628	189	179	7			
59	n3	136	Total	C	N	O	S	0	0	0
			1003	628	189	179	7			

- Molecule 60 is a protein called 60S ribosomal protein L24-A.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
60	N4	98	Total	C	N	O	S	0	0	0
			699	443	137	118	1			

- Molecule 61 is a protein called 60S ribosomal protein L25.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
61	N5	121	Total	C	N	O	S	0	0	0
			964	620	169	173	2			
61	n5	120	Total	C	N	O	S	0	0	0
			959	617	168	172	2			

- Molecule 62 is a protein called 60S ribosomal protein L26-A.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
62	N6	126	Total	C	N	O		0	0	0
			993	625	192	176				
62	n6	126	Total	C	N	O		0	0	0
			993	625	192	176				

- Molecule 63 is a protein called 60S ribosomal protein L27-A.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
63	N7	135	Total	C	N	O	0	0	0
			1092	710	202	180			
63	n7	135	Total	C	N	O	0	0	0
			1092	710	202	180			

- Molecule 64 is a protein called 60S ribosomal protein L28.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
64	N8	148	Total	C	N	O	S	0	0	0
			1173	749	231	190	3			
64	n8	148	Total	C	N	O	S	0	0	0
			1173	749	231	190	3			

- Molecule 65 is a protein called 60S ribosomal protein L29.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
65	N9	58	Total	C	N	O	0	0	0
			462	289	100	73			
65	n9	58	Total	C	N	O	0	0	0
			462	289	100	73			

- Molecule 66 is a protein called 60S ribosomal protein L30.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
66	O0	97	Total	C	N	O	S	0	0	0
			743	479	124	139	1			
66	o0	100	Total	C	N	O	S	0	0	0
			767	492	128	146	1			

- Molecule 67 is a protein called 60S ribosomal protein L31-A.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
67	O1	109	Total	C	N	O	S	0	0	0
			876	556	167	152	1			
67	o1	109	Total	C	N	O	S	0	0	0
			883	559	167	156	1			

- Molecule 68 is a protein called 60S ribosomal protein L32.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
68	O2	127	Total	C	N	O	S	0	0	0
			1020	647	205	167	1			

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
68	o2	127	Total	C	N	O	S	0	0	0
			1020	647	205	167	1			

- Molecule 69 is a protein called 60S ribosomal protein L33-A.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
69	O3	106	Total	C	N	O	S	0	0	0
			850	540	165	144	1			
69	o3	106	Total	C	N	O	S	0	0	0
			850	540	165	144	1			

- Molecule 70 is a protein called 60S ribosomal protein L34-A.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
70	O4	112	Total	C	N	O	S	0	0	0
			880	545	179	152	4			
70	o4	112	Total	C	N	O	S	0	0	0
			880	545	179	152	4			

- Molecule 71 is a protein called 60S ribosomal protein L35-A.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
71	O5	119	Total	C	N	O	S	0	0	0
			969	615	186	167	1			
71	o5	119	Total	C	N	O	S	0	0	0
			965	612	185	167	1			

- Molecule 72 is a protein called 60S ribosomal protein L36-A.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
72	O6	99	Total	C	N	O	S	0	0	0
			771	481	156	132	2			
72	o6	99	Total	C	N	O	S	0	0	0
			770	481	156	131	2			

- Molecule 73 is a protein called 60S ribosomal protein L37-A.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
73	O7	87	Total	C	N	O	S	0	0	0
			681	414	148	114	5			
73	o7	87	Total	C	N	O	S	0	0	0
			681	414	148	114	5			

- Molecule 74 is a protein called 60S ribosomal protein L38.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
74	O8	77	Total	C	N	O	0	0	0
			612	391	115	106			
74	o8	77	Total	C	N	O	0	0	0
			608	388	114	106			

- Molecule 75 is a protein called 60S ribosomal protein L39.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
75	O9	50	Total	C	N	O	S	0	0	0
			436	272	97	65	2			
75	o9	50	Total	C	N	O	S	0	0	0
			436	272	97	65	2			

- Molecule 76 is a protein called 60S ribosomal protein L40-A.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
76	Q0	52	Total	C	N	O	S	0	0	0
			417	259	86	67	5			
76	q0	52	Total	C	N	O	S	0	0	0
			417	259	86	67	5			

- Molecule 77 is a protein called 60S ribosomal protein L41-A.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
77	Q1	25	Total	C	N	O	S	0	0	0
			233	142	63	27	1			
77	q1	25	Total	C	N	O	S	0	0	0
			233	142	63	27	1			

- Molecule 78 is a protein called 60S ribosomal protein L42-A.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
78	Q2	105	Total	C	N	O	S	0	0	0
			847	534	170	138	5			
78	q2	105	Total	C	N	O	S	0	0	0
			847	534	170	138	5			

- Molecule 79 is a protein called 60S ribosomal protein L43-A.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
79	Q3	91	Total	C	N	O	S	0	0	0
			694	429	138	121	6			
79	q3	91	Total	C	N	O	S	0	0	0
			694	429	138	121	6			

- Molecule 80 is a RNA chain called 18S ribosomal RNA.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
80	6	1795	Total	C	N	O	P	0	1	0
			38260	17105	6763	12596	1796			

- Molecule 81 is a protein called Guanine nucleotide-binding protein subunit beta-like protein.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
81	sR	318	Total	C	N	O	S	0	0	0
			2442	1544	418	472	8			

- Molecule 82 is a protein called Suppressor protein STM1.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
82	sM	104	Total	C	N	O	0	0	0
			680	403	140	137			

- Molecule 83 is a RNA chain called 25S ribosomal RNA.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
83	5	3150	Total	C	N	O	P	0	0	0
			67376	30095	12145	21987	3149			

- Molecule 84 is a protein called 60S ribosomal protein L8-A.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
84	l8	231	Total	C	N	O	S	0	0	0
			1763	1130	316	314	3			

- Molecule 85 is a protein called 60S ribosomal protein L12-A.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
85	m2	150	Total	C	N	O	0	0	0
			737	437	150	150			

- Molecule 86 is a protein called 60S ribosomal protein L24-A.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
			Total	C	N	O	S			
86	n4	135	1038	651	206	180	1	0	0	0

- Molecule 87 is a protein called 60S acidic ribosomal protein P0.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
			Total	C	N	O	S			
87	p0	143	1077	687	192	195	3	0	0	0

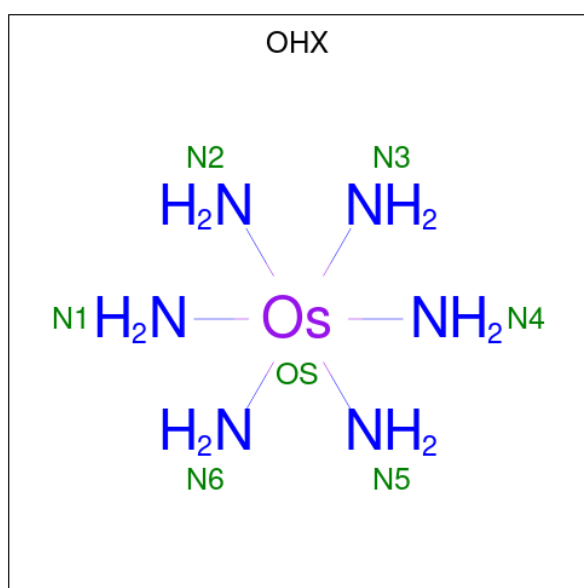
- Molecule 88 is a protein called 60S ribosomal protein L40-A.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
			Total	C	N	O			
88	p1	47	232	138	47	47	0	0	0
88	p2	46	228	136	46	46	0	0	0

- Molecule 89 is a RNA chain called Peptidyl-tRNA analog ACCA-Leu-Phe.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
			Total	C	N	O	P			
89	P	2	37	18	6	12	1	0	0	0
89	p	2	40	18	6	14	2	0	0	0

- Molecule 90 is osmium (III) hexammine (three-letter code: OHX) (formula: H₁₂N₆Os).



Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
			Total	N	Os		
90	2	1	7	6	1	0	0
90	2	1	7	6	1	0	0
90	2	1	7	6	1	0	0
90	2	1	7	6	1	0	0
90	2	1	7	6	1	0	0
90	2	1	7	6	1	0	0
90	2	1	7	6	1	0	0
90	2	1	7	6	1	0	0
90	2	1	7	6	1	0	0
90	2	1	7	6	1	0	0
90	2	1	7	6	1	0	0
90	2	1	7	6	1	0	0
90	2	1	7	6	1	0	0
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90	2	1	7	6	1	0	0
90	2	1	7	6	1	0	0
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90	2	1	7	6	1	0	0
90	2	1	7	6	1	0	0
90	2	1	7	6	1	0	0
90	2	1	7	6	1	0	0
90	2	1	7	6	1	0	0
90	2	1	7	6	1	0	0
90	2	1	7	6	1	0	0

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
			Total	N	Os		
90	2	1	7	6	1	0	0
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90	2	1	7	6	1	0	0
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90	2	1	7	6	1	0	0
90	2	1	7	6	1	0	0
90	2	1	7	6	1	0	0
90	2	1	7	6	1	0	0
90	2	1	7	6	1	0	0
90	2	1	7	6	1	0	0

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
			Total	N	Os		
90	2	1	7	6	1	0	0
90	2	1	7	6	1	0	0
90	2	1	7	6	1	0	0
90	2	1	7	6	1	0	0
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90	2	1	7	6	1	0	0
90	2	1	7	6	1	0	0
90	2	1	7	6	1	0	0
90	2	1	7	6	1	0	0
90	2	1	7	6	1	0	0
90	2	1	7	6	1	0	0

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
			Total	N	Os		
90	2	1	7	6	1	0	0
90	2	1	7	6	1	0	0
90	2	1	7	6	1	0	0
90	2	1	7	6	1	0	0
90	2	1	7	6	1	0	0
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90	2	1	7	6	1	0	0
90	2	1	7	6	1	0	0
90	2	1	7	6	1	0	0
90	2	1	7	6	1	0	0
90	2	1	7	6	1	0	0

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
			Total	N	Os		
90	2	1	7	6	1	0	0
90	2	1	7	6	1	0	0
90	2	1	7	6	1	0	0
90	2	1	7	6	1	0	0
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90	2	1	7	6	1	0	0
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90	2	1	7	6	1	0	0
90	2	1	7	6	1	0	0
90	2	1	7	6	1	0	0
90	2	1	7	6	1	0	0
90	2	1	7	6	1	0	0

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
			Total	N	Os		
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90	2	1	7	6	1	0	0
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90	2	1	7	6	1	0	0
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90	2	1	7	6	1	0	0
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90	2	1	7	6	1	0	0

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
			Total	N	Os		
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90	2	1	7	6	1	0	0
90	2	1	7	6	1	0	0
90	2	1	7	6	1	0	0
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90	2	1	7	6	1	0	0
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90	2	1	7	6	1	0	0
90	2	1	7	6	1	0	0
90	2	1	7	6	1	0	0
90	2	1	7	6	1	0	0
90	2	1	7	6	1	0	0

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
			Total	N	Os		
90	2	1	7	6	1	0	0
90	2	1	7	6	1	0	0
90	2	1	7	6	1	0	0
90	S8	1	7	6	1	0	0
90	S9	1	7	6	1	0	0
90	C3	1	7	6	1	0	0
90	C5	1	7	6	1	0	0
90	C7	1	7	6	1	0	0
90	C8	1	7	6	1	0	0
90	D9	1	7	6	1	0	0
90	SR	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
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90	1	1	7	6	1	0	0
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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
			Total	N	Os		
90	1	1	7	6	1	0	0
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90	1	1	7	6	1	0	0
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90	1	1	7	6	1	0	0

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
			Total	N	Os		
90	1	1	7	6	1	0	0
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90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
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90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
			Total	N	Os		
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
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90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
			Total	N	Os		
90	1	1	7	6	1	0	0
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90	1	1	7	6	1	0	0

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
			Total	N	Os		
90	1	1	7	6	1	0	0
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90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
			Total	N	Os		
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
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90	1	1	7	6	1	0	0
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90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
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90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
			Total	N	Os		
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
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90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
			Total	N	Os		
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
			Total	N	Os		
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
			Total	N	Os		
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
			Total	N	Os		
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
			Total	N	Os		
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
			Total	N	Os		
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
			Total	N	Os		
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
			Total	N	Os		
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	1	1	7	6	1	0	0
90	3	1	7	6	1	0	0
90	3	1	7	6	1	0	0
90	3	1	7	6	1	0	0
90	3	1	7	6	1	0	0
90	3	1	7	6	1	0	0
90	3	1	7	6	1	0	0
90	3	1	7	6	1	0	0
90	3	1	7	6	1	0	0
90	3	1	7	6	1	0	0
90	3	1	7	6	1	0	0
90	3	1	7	6	1	0	0
90	3	1	7	6	1	0	0
90	4	1	7	6	1	0	0
90	4	1	7	6	1	0	0
90	4	1	7	6	1	0	0
90	4	1	7	6	1	0	0
90	4	1	7	6	1	0	0
90	4	1	7	6	1	0	0
90	4	1	7	6	1	0	0
90	4	1	7	6	1	0	0

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
			Total	N	Os		
90	4	1	7	6	1	0	0
90	4	1	7	6	1	0	0
90	4	1	7	6	1	0	0
90	4	1	7	6	1	0	0
90	4	1	7	6	1	0	0
90	4	1	7	6	1	0	0
90	4	1	7	6	1	0	0
90	4	1	7	6	1	0	0
90	4	1	7	6	1	0	0
90	4	1	7	6	1	0	0
90	4	1	7	6	1	0	0
90	4	1	7	6	1	0	0
90	4	1	7	6	1	0	0
90	4	1	7	6	1	0	0
90	4	1	7	6	1	0	0
90	L3	1	7	6	1	0	0
90	L3	1	7	6	1	0	0
90	L4	1	7	6	1	0	0
90	L6	1	7	6	1	0	0
90	L6	1	7	6	1	0	0
90	M0	1	7	6	1	0	0
90	M5	1	7	6	1	0	0
90	M5	1	7	6	1	0	0

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
			Total	N	Os		
90	M6	1	7	6	1	0	0
90	M7	1	7	6	1	0	0
90	M8	1	7	6	1	0	0
90	M9	1	7	6	1	0	0
90	N9	1	7	6	1	0	0
90	O3	1	7	6	1	0	0
90	O4	1	7	6	1	0	0
90	O7	1	7	6	1	0	0
90	O9	1	7	6	1	0	0
90	Q2	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
			Total	N	Os		
90	6	1	Total 7	N 6	Os 1	0	0
90	6	1	Total 7	N 6	Os 1	0	0
90	6	1	Total 7	N 6	Os 1	0	0
90	6	1	Total 7	N 6	Os 1	0	0
90	6	1	Total 7	N 6	Os 1	0	0
90	6	1	Total 7	N 6	Os 1	0	0
90	6	1	Total 7	N 6	Os 1	0	0
90	6	1	Total 7	N 6	Os 1	0	0
90	6	1	Total 7	N 6	Os 1	0	0
90	6	1	Total 7	N 6	Os 1	0	0
90	6	1	Total 7	N 6	Os 1	0	0
90	6	1	Total 7	N 6	Os 1	0	0
90	6	1	Total 7	N 6	Os 1	0	0
90	6	1	Total 7	N 6	Os 1	0	0
90	6	1	Total 7	N 6	Os 1	0	0
90	6	1	Total 7	N 6	Os 1	0	0
90	6	1	Total 7	N 6	Os 1	0	0
90	6	1	Total 7	N 6	Os 1	0	0
90	6	1	Total 7	N 6	Os 1	0	0
90	6	1	Total 7	N 6	Os 1	0	0
90	6	1	Total 7	N 6	Os 1	0	0

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
			Total	N	Os		
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
			Total	N	Os		
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
			Total	N	Os		
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
			Total	N	Os		
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
			Total	N	Os		
90	6	1	Total	N	Os	0	0
			7	6	1		
90	6	1	Total	N	Os	0	0
			7	6	1		
90	6	1	Total	N	Os	0	0
			7	6	1		
90	6	1	Total	N	Os	0	0
			7	6	1		
90	6	1	Total	N	Os	0	0
			7	6	1		
90	6	1	Total	N	Os	0	0
			7	6	1		
90	6	1	Total	N	Os	0	0
			7	6	1		
90	6	1	Total	N	Os	0	0
			7	6	1		
90	6	1	Total	N	Os	0	0
			7	6	1		
90	6	1	Total	N	Os	0	0
			7	6	1		
90	6	1	Total	N	Os	0	0
			7	6	1		
90	6	1	Total	N	Os	0	0
			7	6	1		
90	6	1	Total	N	Os	0	0
			7	6	1		
90	6	1	Total	N	Os	0	0
			7	6	1		
90	6	1	Total	N	Os	0	0
			7	6	1		
90	6	1	Total	N	Os	0	0
			7	6	1		
90	6	1	Total	N	Os	0	0
			7	6	1		
90	6	1	Total	N	Os	0	0
			7	6	1		
90	6	1	Total	N	Os	0	0
			7	6	1		
90	6	1	Total	N	Os	0	0
			7	6	1		
90	6	1	Total	N	Os	0	0
			7	6	1		

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
			Total	N	Os		
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0
90	6	1	7	6	1	0	0

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
			Total	N	Os		
90	6	1	7	6	1	0	0
90	s1	1	7	6	1	0	0
90	s4	1	7	6	1	0	0
90	s8	1	7	6	1	0	0
90	s9	1	7	6	1	0	0
90	c3	1	7	6	1	0	0
90	c5	1	7	6	1	0	0
90	c8	1	7	6	1	0	0
90	d4	1	7	6	1	0	0
90	sR	1	7	6	1	0	0
90	5	1	7	6	1	0	0
90	5	1	7	6	1	0	0
90	5	1	7	6	1	0	0
90	5	1	7	6	1	0	0
90	5	1	7	6	1	0	0
90	5	1	7	6	1	0	0
90	5	1	7	6	1	0	0
90	5	1	7	6	1	0	0
90	5	1	7	6	1	0	0
90	5	1	7	6	1	0	0
90	5	1	7	6	1	0	0

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
			Total	N	Os		
90	5	1	7	6	1	0	0
90	5	1	7	6	1	0	0
90	5	1	7	6	1	0	0
90	5	1	7	6	1	0	0
90	5	1	7	6	1	0	0
90	5	1	7	6	1	0	0
90	5	1	7	6	1	0	0
90	5	1	7	6	1	0	0
90	5	1	7	6	1	0	0
90	5	1	7	6	1	0	0
90	5	1	7	6	1	0	0
90	5	1	7	6	1	0	0
90	5	1	7	6	1	0	0
90	5	1	7	6	1	0	0
90	5	1	7	6	1	0	0
90	5	1	7	6	1	0	0
90	5	1	7	6	1	0	0
90	5	1	7	6	1	0	0
90	5	1	7	6	1	0	0
90	5	1	7	6	1	0	0
90	5	1	7	6	1	0	0
90	5	1	7	6	1	0	0
90	5	1	7	6	1	0	0
90	5	1	7	6	1	0	0
90	5	1	7	6	1	0	0
90	5	1	7	6	1	0	0
90	5	1	7	6	1	0	0
90	5	1	7	6	1	0	0
90	5	1	7	6	1	0	0
90	5	1	7	6	1	0	0

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
			Total	N	Os		
90	5	1	7	6	1	0	0
90	5	1	7	6	1	0	0
90	5	1	7	6	1	0	0
90	5	1	7	6	1	0	0
90	5	1	7	6	1	0	0
90	5	1	7	6	1	0	0
90	5	1	7	6	1	0	0
90	5	1	7	6	1	0	0
90	5	1	7	6	1	0	0
90	5	1	7	6	1	0	0
90	5	1	7	6	1	0	0
90	5	1	7	6	1	0	0
90	5	1	7	6	1	0	0
90	5	1	7	6	1	0	0
90	5	1	7	6	1	0	0
90	5	1	7	6	1	0	0
90	5	1	7	6	1	0	0
90	5	1	7	6	1	0	0
90	5	1	7	6	1	0	0
90	5	1	7	6	1	0	0
90	5	1	7	6	1	0	0
90	5	1	7	6	1	0	0
90	5	1	7	6	1	0	0
90	5	1	7	6	1	0	0
90	5	1	7	6	1	0	0
90	5	1	7	6	1	0	0
90	5	1	7	6	1	0	0
90	5	1	7	6	1	0	0
90	5	1	7	6	1	0	0
90	5	1	7	6	1	0	0
90	5	1	7	6	1	0	0
90	5	1	7	6	1	0	0

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
			Total	N	Os		
90	5	1	7	6	1	0	0
90	5	1	7	6	1	0	0
90	5	1	7	6	1	0	0
90	5	1	7	6	1	0	0
90	5	1	7	6	1	0	0
90	5	1	7	6	1	0	0
90	5	1	7	6	1	0	0
90	5	1	7	6	1	0	0
90	5	1	7	6	1	0	0
90	5	1	7	6	1	0	0
90	5	1	7	6	1	0	0
90	5	1	7	6	1	0	0
90	5	1	7	6	1	0	0
90	5	1	7	6	1	0	0
90	5	1	7	6	1	0	0
90	5	1	7	6	1	0	0
90	5	1	7	6	1	0	0
90	5	1	7	6	1	0	0
90	5	1	7	6	1	0	0
90	5	1	7	6	1	0	0
90	5	1	7	6	1	0	0
90	5	1	7	6	1	0	0
90	5	1	7	6	1	0	0
90	5	1	7	6	1	0	0
90	5	1	7	6	1	0	0
90	5	1	7	6	1	0	0

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
			Total	N	Os		
90	5	1	7	6	1	0	0
90	5	1	7	6	1	0	0
90	5	1	7	6	1	0	0
90	5	1	7	6	1	0	0
90	5	1	7	6	1	0	0
90	5	1	7	6	1	0	0
90	5	1	7	6	1	0	0
90	5	1	7	6	1	0	0
90	5	1	7	6	1	0	0
90	5	1	7	6	1	0	0
90	5	1	7	6	1	0	0
90	5	1	7	6	1	0	0
90	5	1	7	6	1	0	0
90	5	1	7	6	1	0	0
90	5	1	7	6	1	0	0
90	5	1	7	6	1	0	0
90	5	1	7	6	1	0	0
90	5	1	7	6	1	0	0
90	5	1	7	6	1	0	0
90	5	1	7	6	1	0	0
90	5	1	7	6	1	0	0
90	5	1	7	6	1	0	0
90	5	1	7	6	1	0	0
90	5	1	7	6	1	0	0
90	5	1	7	6	1	0	0
90	5	1	7	6	1	0	0
90	5	1	7	6	1	0	0
90	7	1	7	6	1	0	0

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
			Total	N	Os		
90	7	1	7	6	1	0	0
90	7	1	7	6	1	0	0
90	7	1	7	6	1	0	0
90	7	1	7	6	1	0	0
90	7	1	7	6	1	0	0
90	7	1	7	6	1	0	0
90	7	1	7	6	1	0	0
90	7	1	7	6	1	0	0
90	7	1	7	6	1	0	0
90	7	1	7	6	1	0	0
90	7	1	7	6	1	0	0
90	7	1	7	6	1	0	0
90	8	1	7	6	1	0	0
90	8	1	7	6	1	0	0
90	8	1	7	6	1	0	0
90	8	1	7	6	1	0	0
90	8	1	7	6	1	0	0
90	8	1	7	6	1	0	0
90	8	1	7	6	1	0	0
90	8	1	7	6	1	0	0
90	8	1	7	6	1	0	0
90	8	1	7	6	1	0	0
90	8	1	7	6	1	0	0
90	8	1	7	6	1	0	0

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
			Total	N	Os		
90	8	1	7	6	1	0	0
90	8	1	7	6	1	0	0
90	8	1	7	6	1	0	0
90	8	1	7	6	1	0	0
90	8	1	7	6	1	0	0
90	l3	1	7	6	1	0	0
90	l3	1	7	6	1	0	0
90	l5	1	7	6	1	0	0
90	l5	1	7	6	1	0	0
90	l9	1	7	6	1	0	0
90	m0	1	7	6	1	0	0
90	m0	1	7	6	1	0	0
90	m0	1	7	6	1	0	0
90	m5	1	7	6	1	0	0
90	m5	1	7	6	1	0	0
90	m6	1	7	6	1	0	0
90	m8	1	7	6	1	0	0
90	m9	1	7	6	1	0	0
90	n9	1	7	6	1	0	0
90	o3	1	7	6	1	0	0
90	o7	1	7	6	1	0	0

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
90	o7	1	Total	N	Os	0	0
			7	6	1		
90	q2	1	Total	N	Os	0	0
			7	6	1		

- Molecule 91 is MAGNESIUM ION (three-letter code: MG) (formula: Mg).

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
91	2	90	Total	Mg	0	0
			90	90		
91	S4	1	Total	Mg	0	0
			1	1		
91	C1	1	Total	Mg	0	0
			1	1		
91	C8	1	Total	Mg	0	0
			1	1		
91	C9	1	Total	Mg	0	0
			1	1		
91	D9	2	Total	Mg	0	0
			2	2		
91	1	394	Total	Mg	0	0
			394	394		
91	3	7	Total	Mg	0	0
			7	7		
91	4	17	Total	Mg	0	0
			17	17		
91	L2	2	Total	Mg	0	0
			2	2		
91	L3	3	Total	Mg	0	0
			3	3		
91	L4	5	Total	Mg	0	0
			5	5		
91	L7	2	Total	Mg	0	0
			2	2		
91	M0	1	Total	Mg	0	0
			1	1		
91	M3	1	Total	Mg	0	0
			1	1		
91	M5	1	Total	Mg	0	0
			1	1		
91	M7	5	Total	Mg	0	0
			5	5		

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
91	N0	2	Total 2	Mg 2	0	0
91	N3	3	Total 3	Mg 3	0	0
91	N5	1	Total 1	Mg 1	0	0
91	N6	2	Total 2	Mg 2	0	0
91	N8	6	Total 6	Mg 6	0	0
91	O4	1	Total 1	Mg 1	0	0
91	O5	1	Total 1	Mg 1	0	0
91	O7	4	Total 4	Mg 4	0	0
91	Q2	1	Total 1	Mg 1	0	0
91	6	126	Total 126	Mg 126	0	0
91	s4	1	Total 1	Mg 1	0	0
91	s6	1	Total 1	Mg 1	0	0
91	c6	1	Total 1	Mg 1	0	0
91	c8	2	Total 2	Mg 2	0	0
91	c9	1	Total 1	Mg 1	0	0
91	d3	1	Total 1	Mg 1	0	0
91	d4	1	Total 1	Mg 1	0	0
91	d6	1	Total 1	Mg 1	0	0
91	d7	1	Total 1	Mg 1	0	0
91	sM	2	Total 2	Mg 2	0	0
91	5	427	Total 427	Mg 427	0	0

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
91	7	15	Total 15	Mg 15	0	0
91	8	14	Total 14	Mg 14	0	0
91	l2	3	Total 3	Mg 3	0	0
91	l3	4	Total 4	Mg 4	0	0
91	l5	1	Total 1	Mg 1	0	0
91	l6	1	Total 1	Mg 1	0	0
91	l7	1	Total 1	Mg 1	0	0
91	l9	1	Total 1	Mg 1	0	0
91	m0	1	Total 1	Mg 1	0	0
91	m4	1	Total 1	Mg 1	0	0
91	m5	2	Total 2	Mg 2	0	0
91	m6	4	Total 4	Mg 4	0	0
91	m7	3	Total 3	Mg 3	0	0
91	n0	2	Total 2	Mg 2	0	0
91	n3	1	Total 1	Mg 1	0	0
91	n6	2	Total 2	Mg 2	0	0
91	n8	3	Total 3	Mg 3	0	0
91	n9	2	Total 2	Mg 2	0	0
91	o2	2	Total 2	Mg 2	0	0
91	o3	2	Total 2	Mg 2	0	0
91	o4	1	Total 1	Mg 1	0	0

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Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
91	o9	1	Total Mg 1 1	0	0
91	q1	1	Total Mg 1 1	0	0
91	P	1	Total Mg 1 1	0	0
91	p	2	Total Mg 2 2	0	0

- Molecule 92 is ZINC ION (three-letter code: ZN) (formula: Zn).

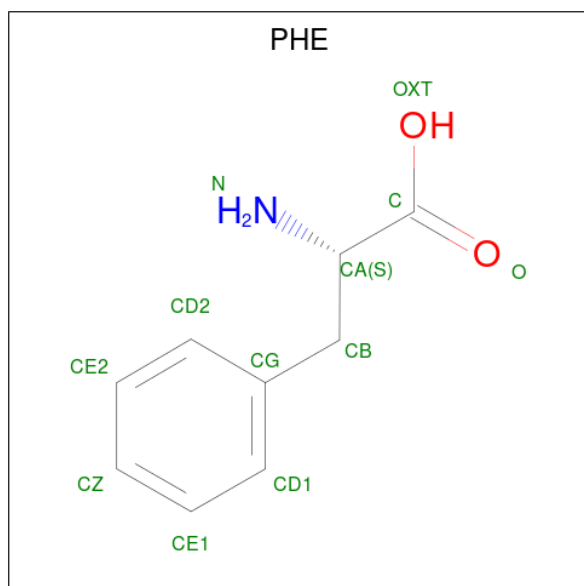
Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
92	D6	1	Total Zn 1 1	0	0
92	D7	1	Total Zn 1 1	0	0
92	D9	1	Total Zn 1 1	0	0
92	E1	1	Total Zn 1 1	0	0
92	O7	1	Total Zn 1 1	0	0
92	Q0	1	Total Zn 1 1	0	0
92	Q2	1	Total Zn 1 1	0	0
92	Q3	1	Total Zn 1 1	0	0
92	d6	1	Total Zn 1 1	0	0
92	d7	1	Total Zn 1 1	0	0
92	d9	1	Total Zn 1 1	0	0
92	e1	1	Total Zn 1 1	0	0
92	o7	1	Total Zn 1 1	0	0
92	q0	1	Total Zn 1 1	0	0
92	q2	1	Total Zn 1 1	0	0

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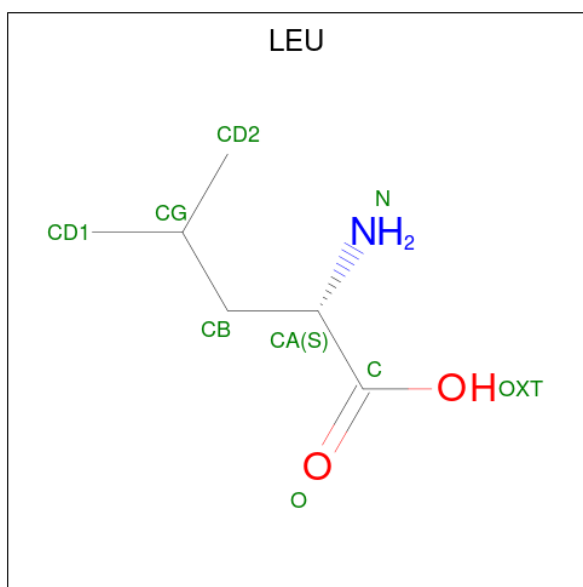
Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
92	q3	1	Total	Zn	0	0
			1	1		

- Molecule 93 is PHENYLALANINE (three-letter code: PHE) (formula: $C_9H_{11}NO_2$).



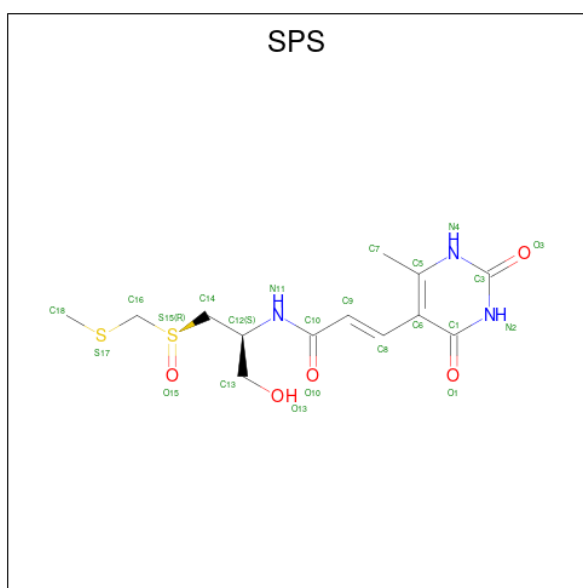
Mol	Chain	Residues	Atoms				ZeroOcc	AltConf
93	1	1	Total	C	N	O	0	0
			11	9	1	1		
93	5	1	Total	C	N	O	0	0
			11	9	1	1		

- Molecule 94 is LEUCINE (three-letter code: LEU) (formula: $C_6H_{13}NO_2$).



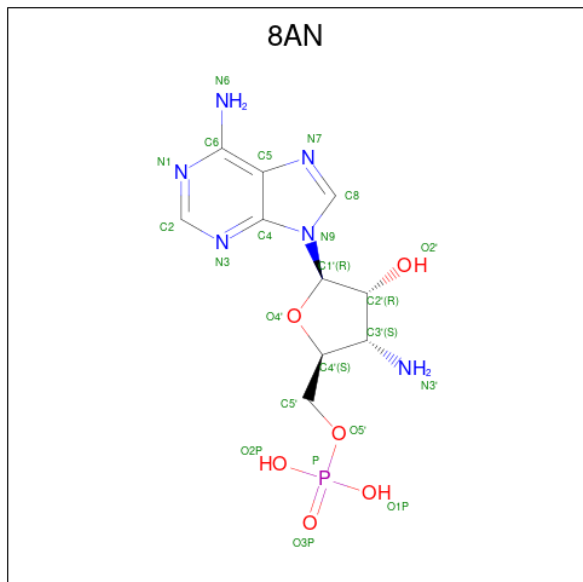
Mol	Chain	Residues	Atoms				ZeroOcc	AltConf
94	1	1	Total	C	N	O	0	0
			8	6	1	1		
94	5	1	Total	C	N	O	0	0
			8	6	1	1		

- Molecule 95 is SPARSOMYCIN (three-letter code: SPS) (formula: $C_{13}H_{19}N_3O_5S_2$).



Mol	Chain	Residues	Atoms					ZeroOcc	AltConf
95	1	1	Total	C	N	O	S	0	0
			23	13	3	5	2		
95	5	1	Total	C	N	O	S	0	0
			23	13	3	5	2		

- Molecule 96 is 3'-amino-3'-deoxyadenosine 5'-(dihydrogen phosphate) (three-letter code: 8AN) (formula: C₁₀H₁₅N₆O₆P).

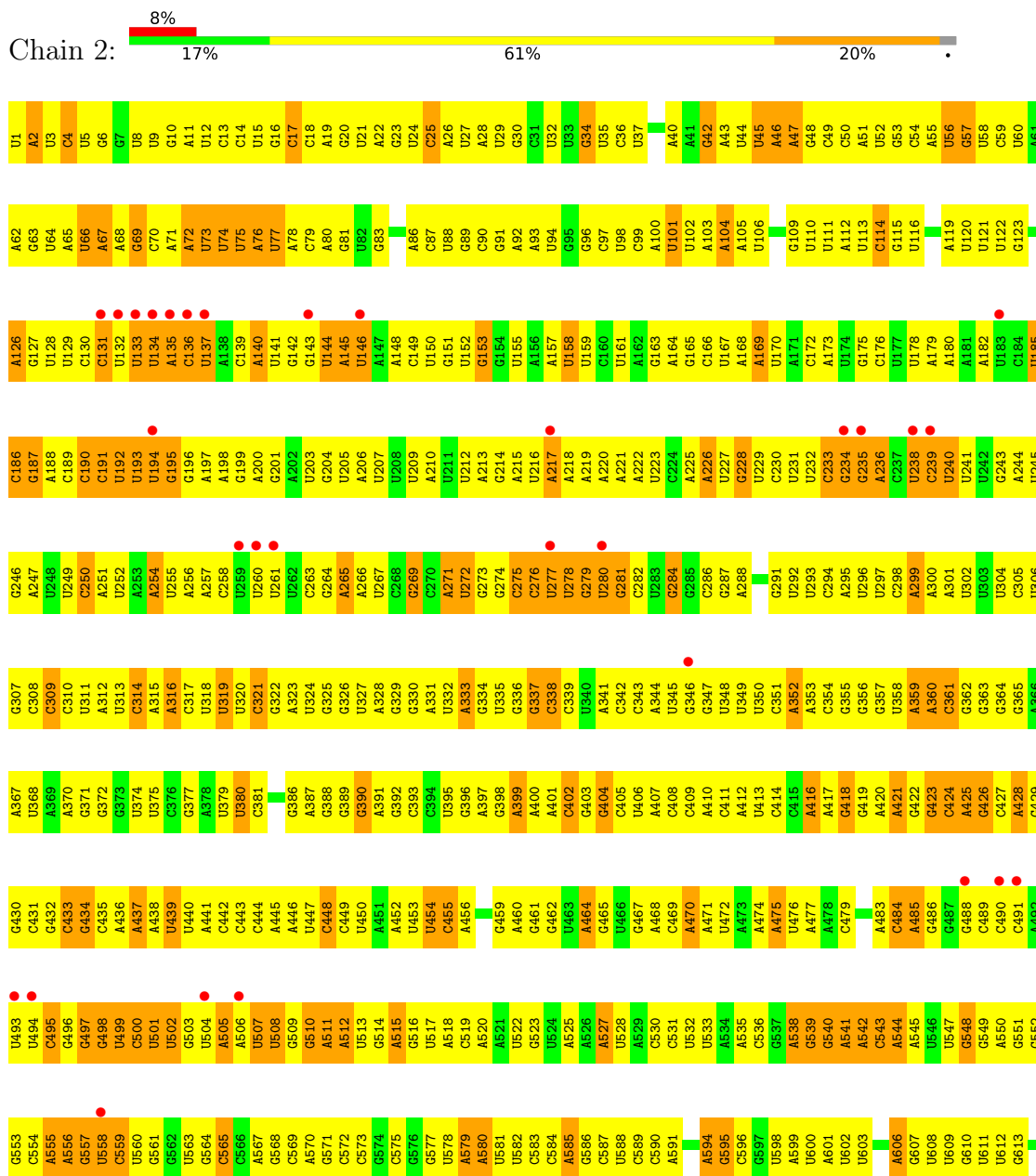


Mol	Chain	Residues	Atoms					ZeroOcc	AltConf
			Total	C	N	O	P		
96	P	1	22	10	6	5	1	0	0
96	p	1	22	10	6	5	1	0	0

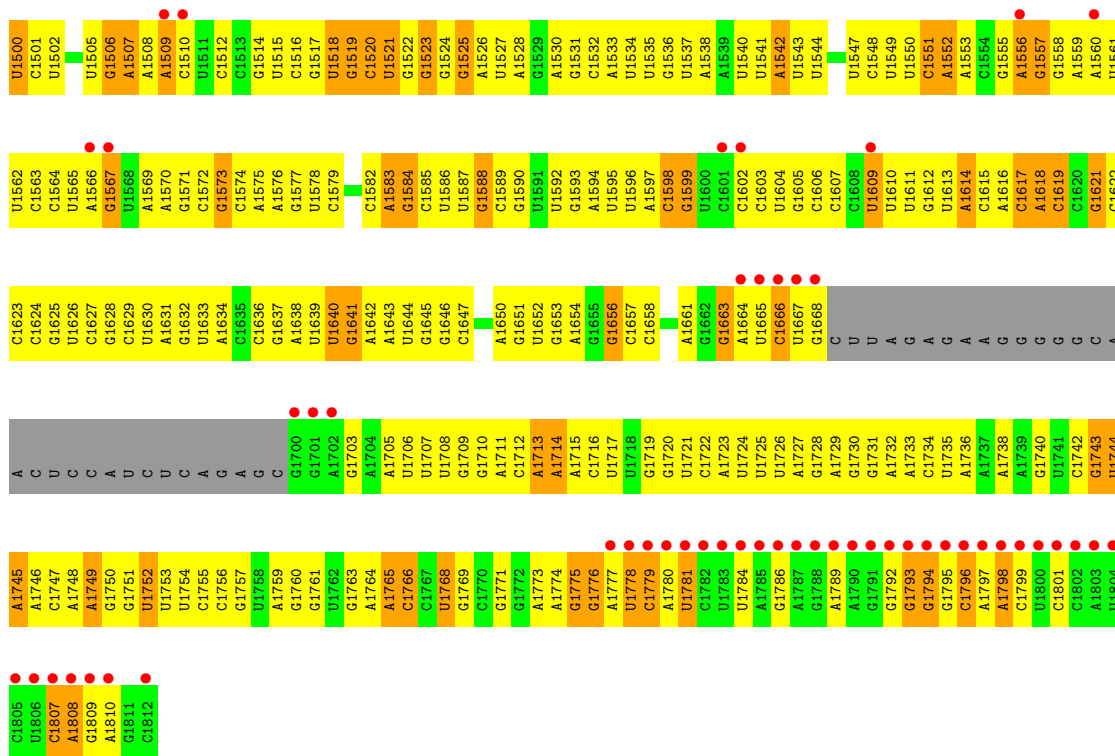
3 Residue-property plots [i](#)

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

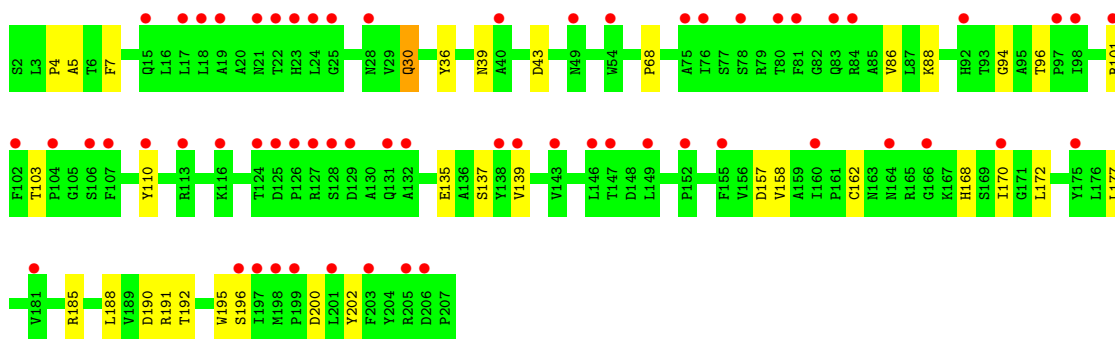
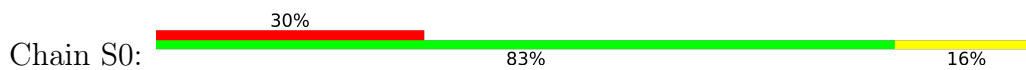
- Molecule 1: 18S ribosomal RNA



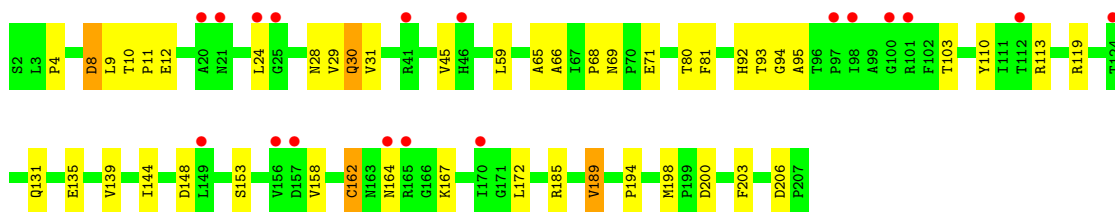
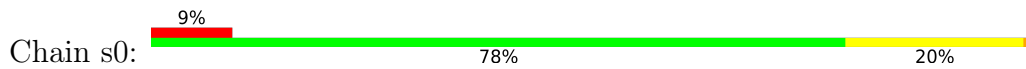
U1375	U1381	U1382	U1383	U1384	U1385	U1390	U1392	U1393	U1394	U1395	U1396	U1397	U1398	U1399	U1400	U1401	U1402	U1403	U1404	U1405	U1406	U1407	U1408	U1409	U1410	U1411	U1412	U1413	U1414	U1415	U1416	U1417	U1418	U1419	U1420	U1421	U1422	U1423	U1424	U1425	U1426	U1427	U1428	U1429	U1430	U1431	U1432	U1433	U1434	U1435	U1436	U1437	U1438	U1439	U1440	U1441	U1442	U1443	U1444	U1445	U1446	U1447	U1448	U1449	U1452	U1453	U1454	U1455	U1456	U1457	U1458	U1459	U1460	U1461	U1462	U1463	U1464	U1465	U1466	U1467	U1468	U1469	U1470	U1471	U1472	U1473	U1474	U1475	U1476	U1477	U1478	U1479	U1480	U1481	U1482	U1483	U1484	U1485	U1486	U1487	U1488	U1489	U1490	U1491	U1492	U1493	U1494	U1495	U1496	U1497	U1498	U1499													
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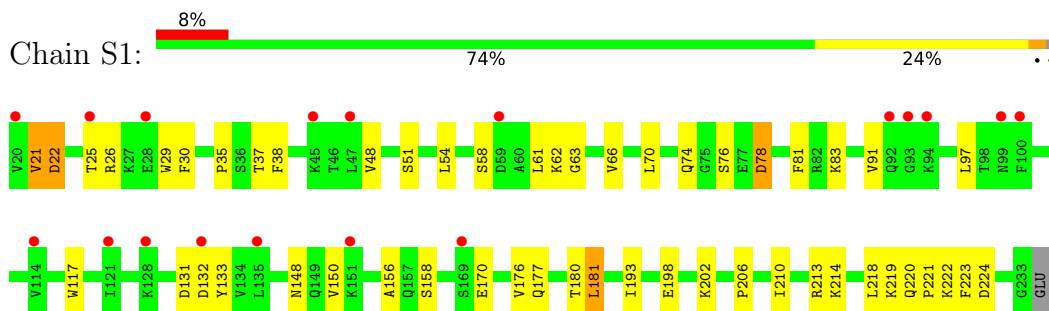
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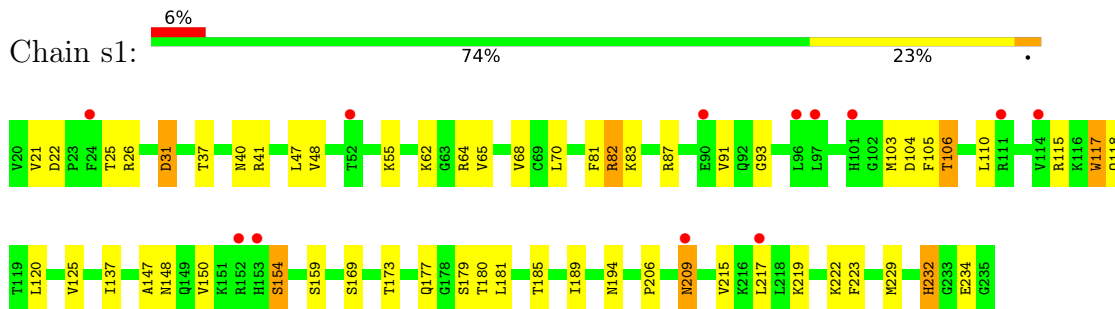
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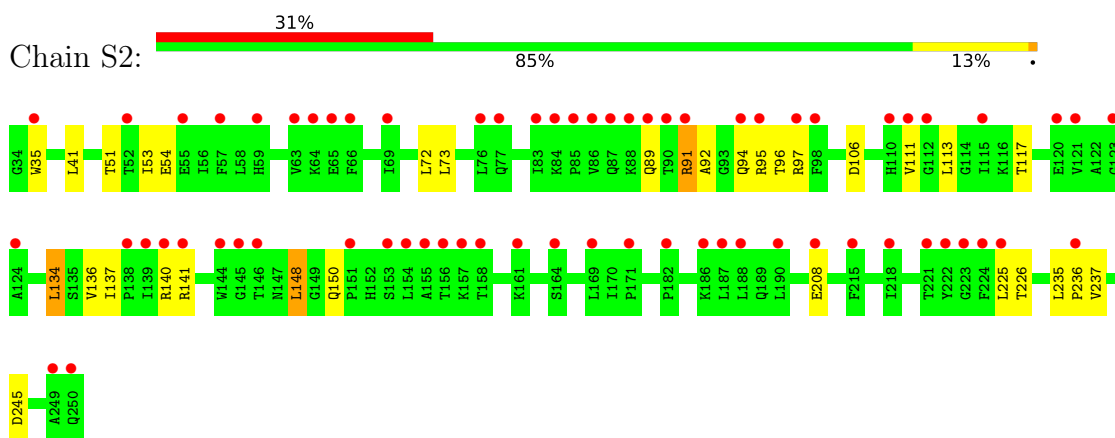
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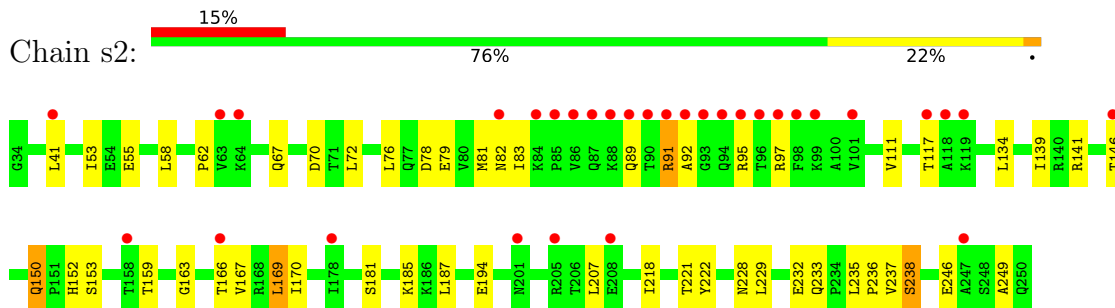
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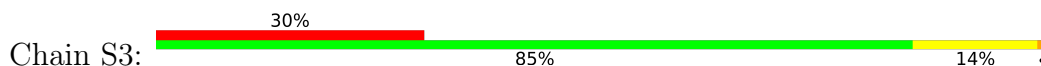
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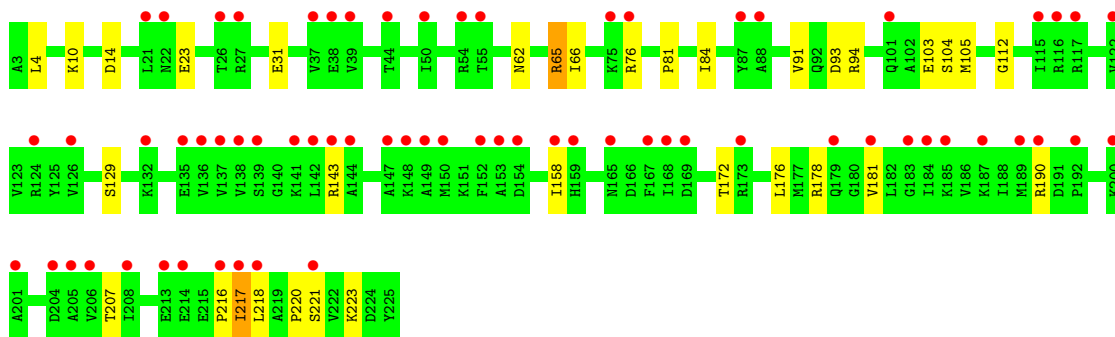


- Molecule 4: 40S ribosomal protein S2

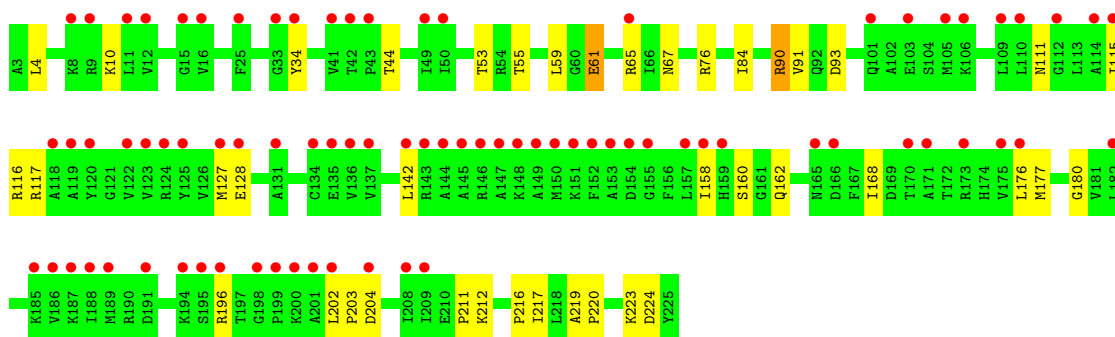
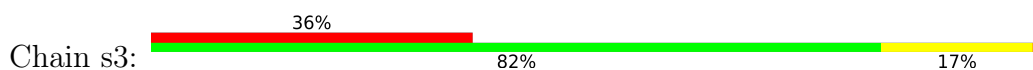


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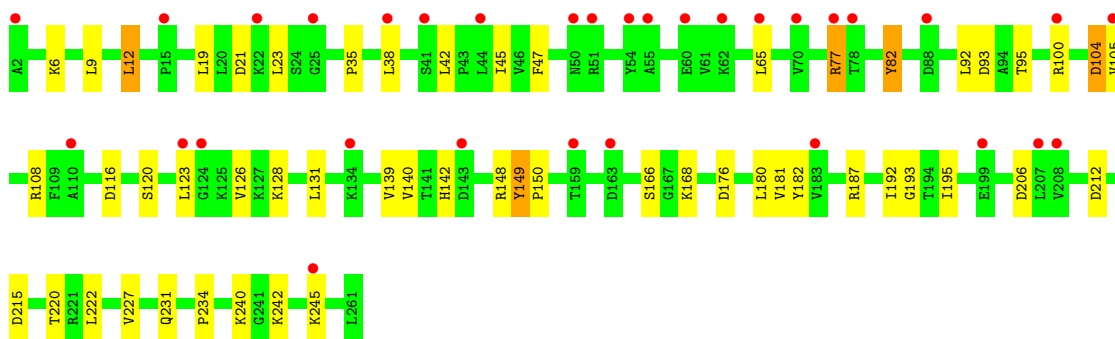
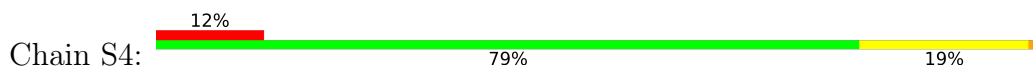




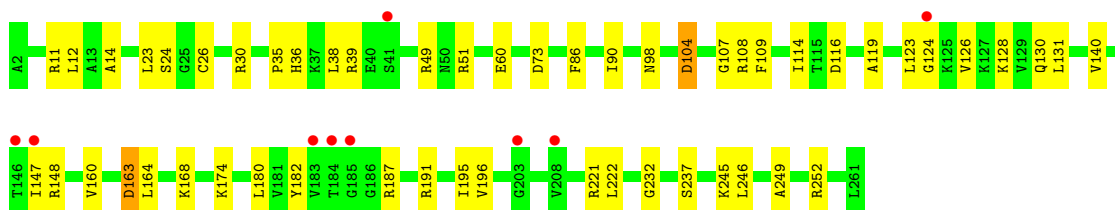
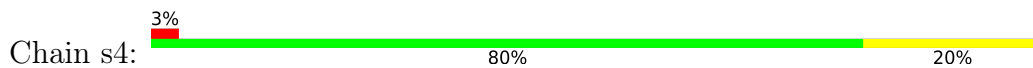
- Molecule 5: 40S ribosomal protein S3



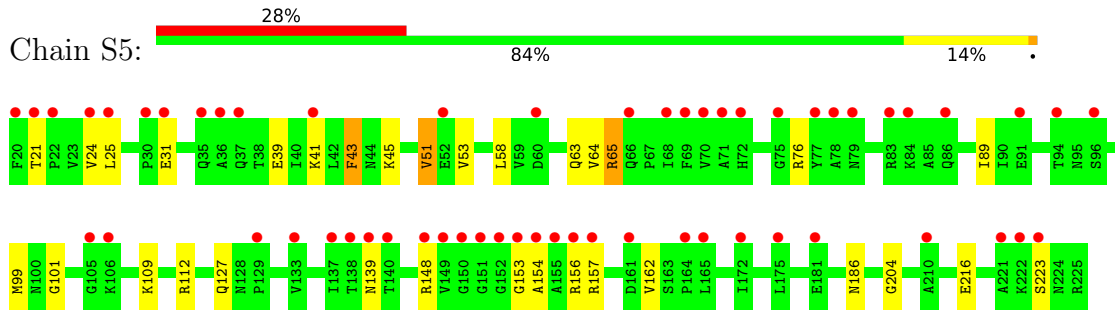
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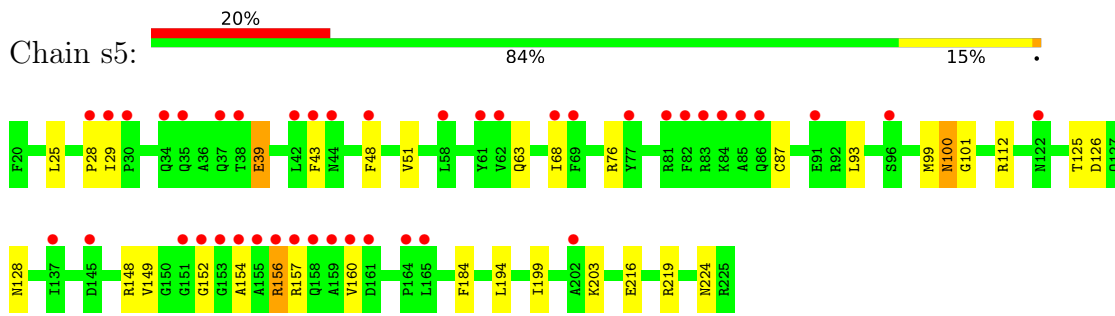
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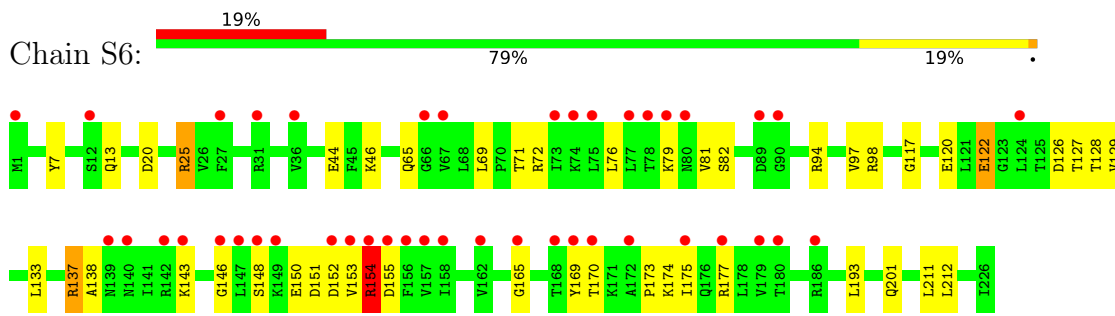
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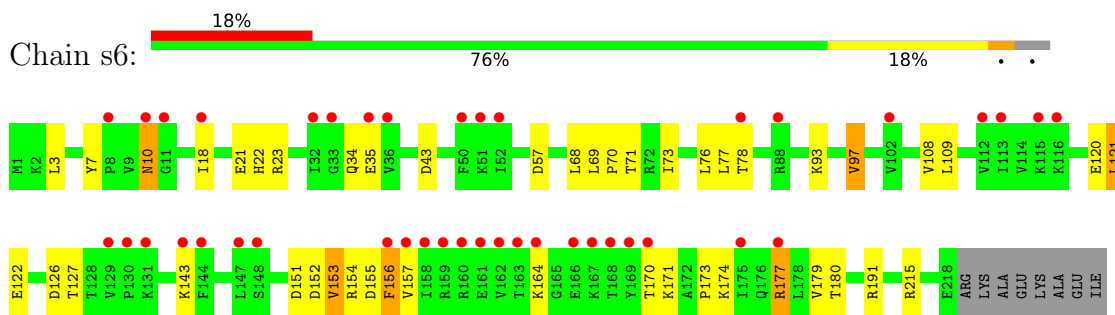
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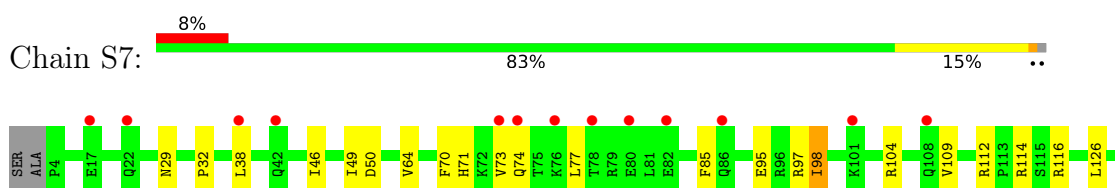
- Molecule 8: 40S ribosomal protein S6-A

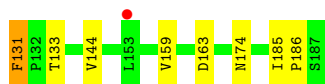


- Molecule 8: 40S ribosomal protein S6-A

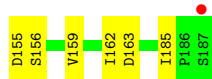
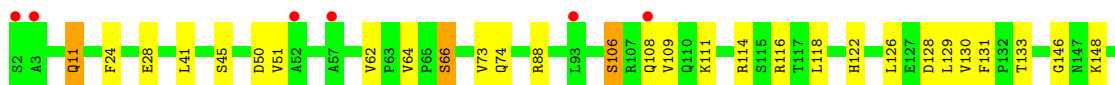
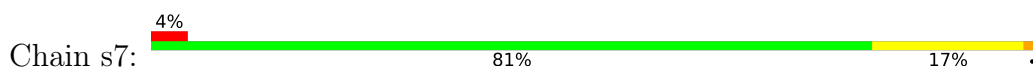


- Molecule 9: 40S ribosomal protein S7-A

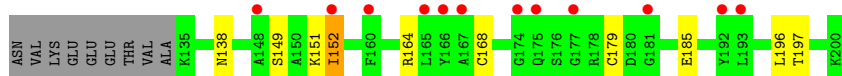
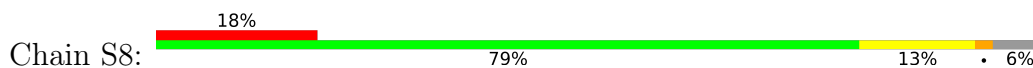




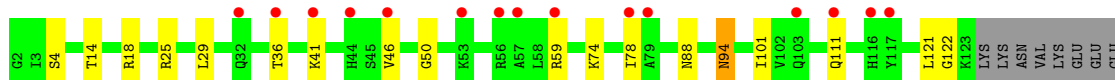
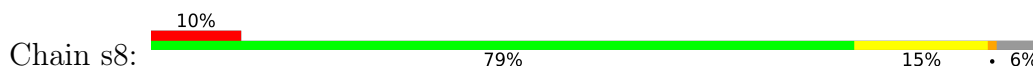
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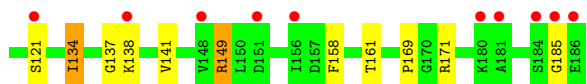
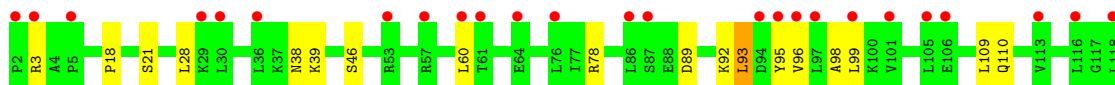
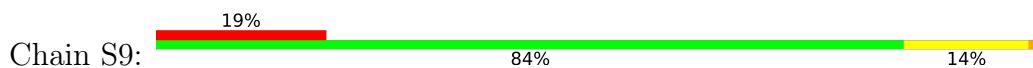
- Molecule 10: 40S ribosomal protein S8-A



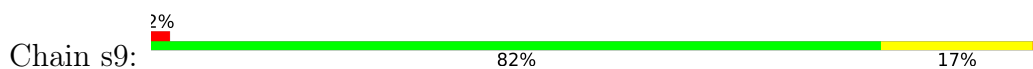
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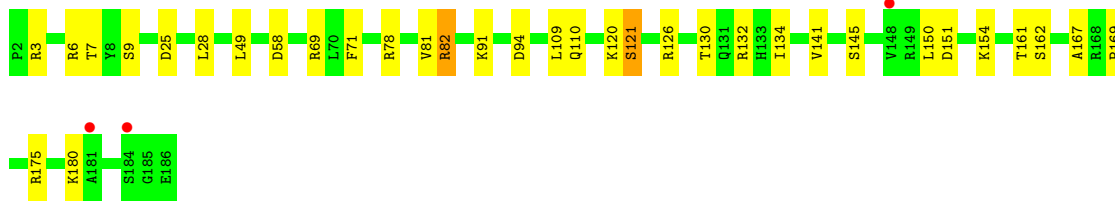


- Molecule 11: 40S ribosomal protein S9-A

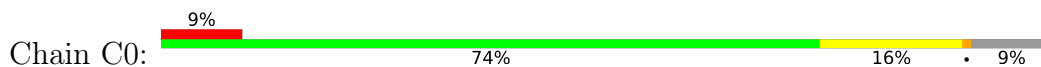


- Molecule 11: 40S ribosomal protein S9-A

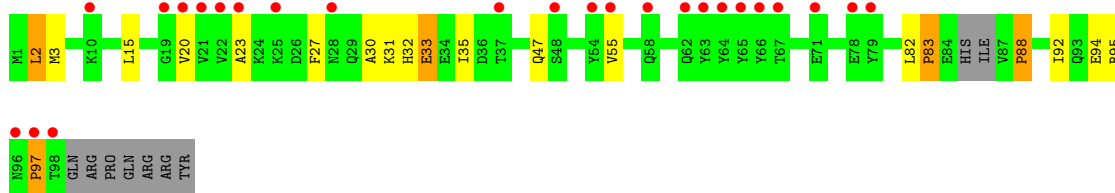
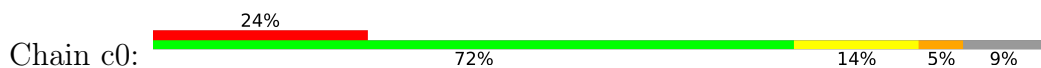




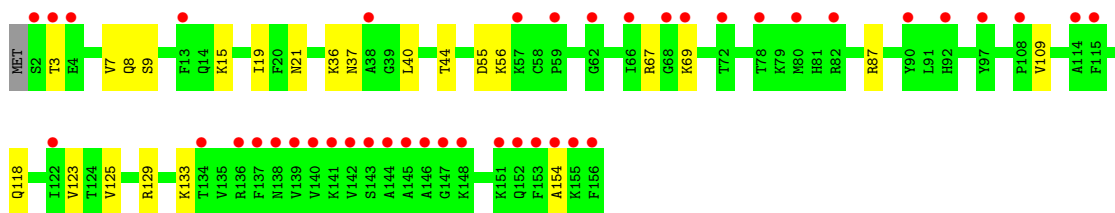
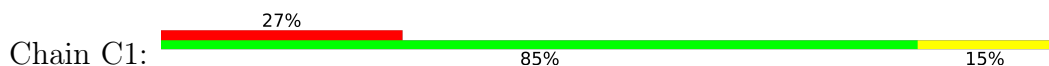
• Molecule 12: 40S ribosomal protein S10-A



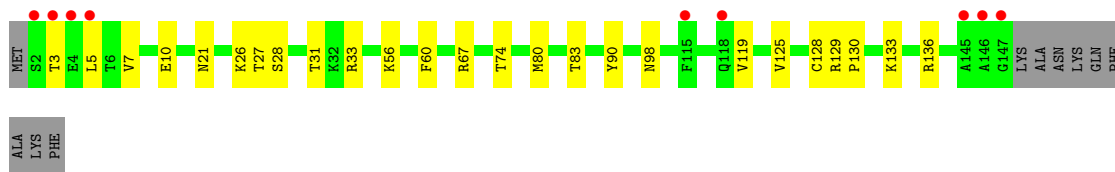
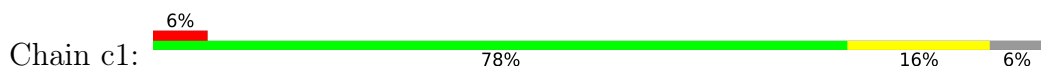
• Molecule 12: 40S ribosomal protein S10-A



• Molecule 13: 40S ribosomal protein S11-A

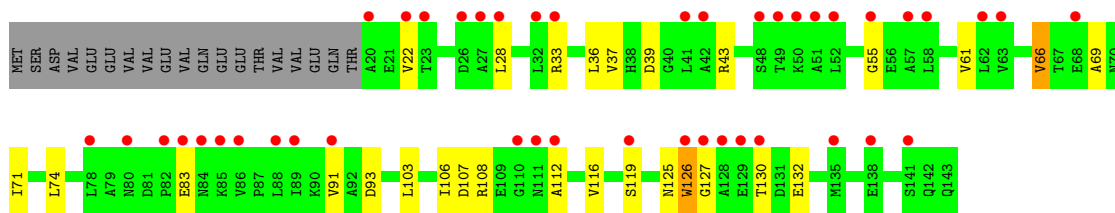


• Molecule 13: 40S ribosomal protein S11-A

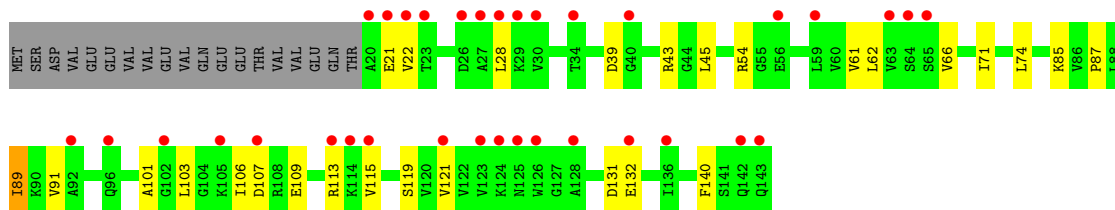


• Molecule 14: 40S ribosomal protein S12

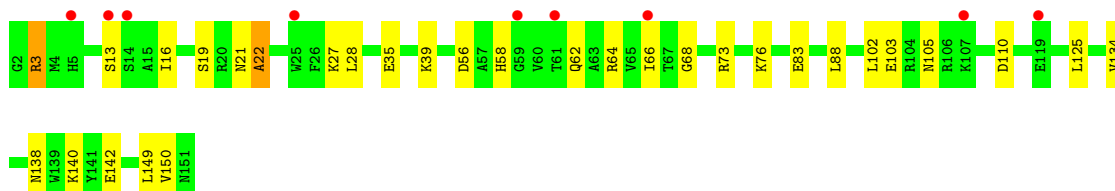
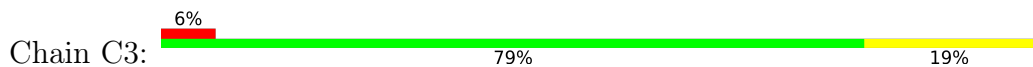




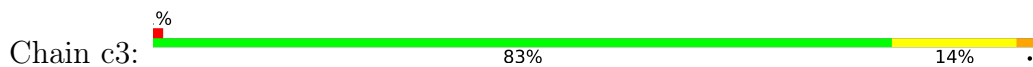
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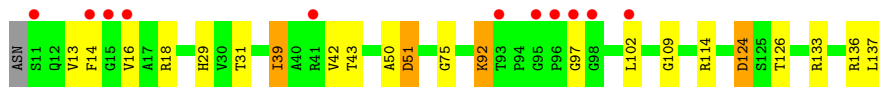
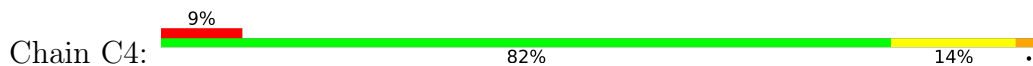
• Molecule 15: 40S ribosomal protein S13



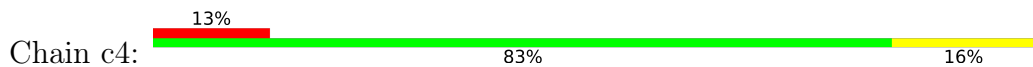
• Molecule 15: 40S ribosomal protein S13



• Molecule 16: 40S ribosomal protein S14-B

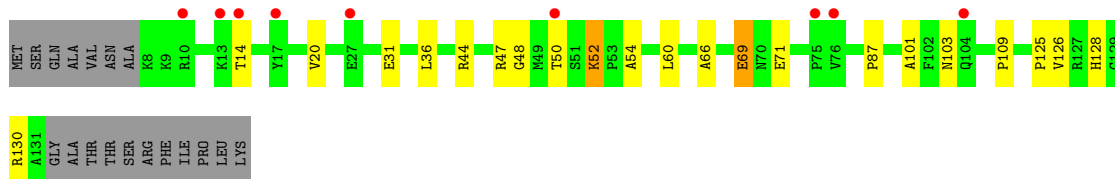
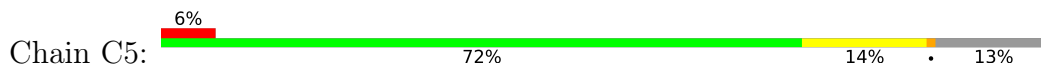


• Molecule 16: 40S ribosomal protein S14-B

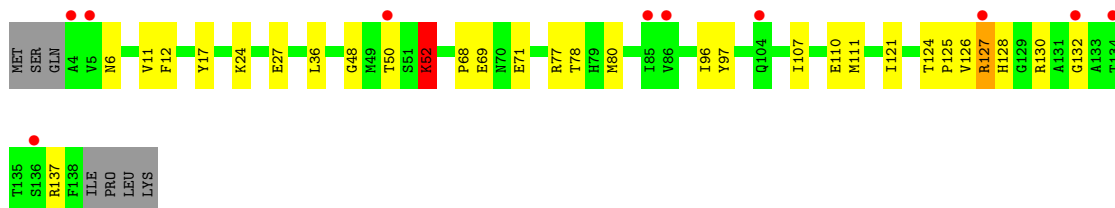
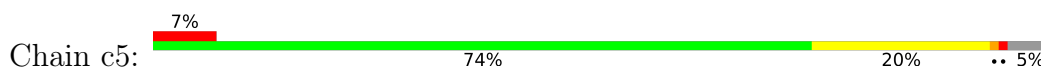




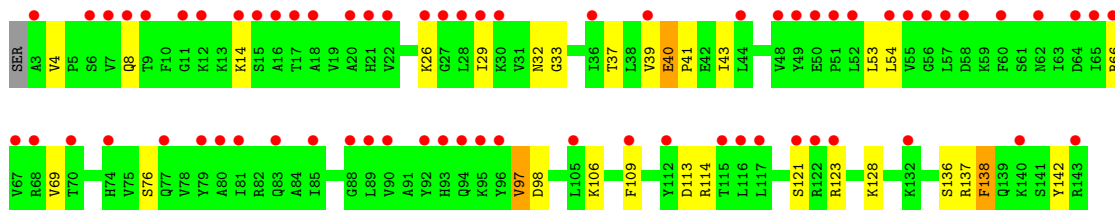
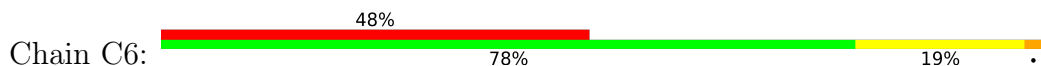
• Molecule 17: 40S ribosomal protein S15



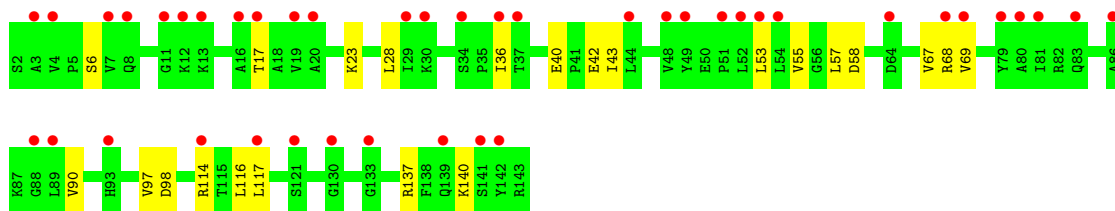
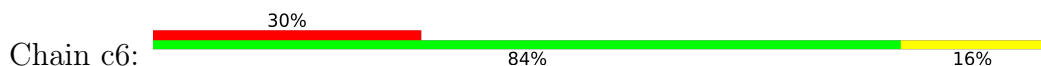
• Molecule 17: 40S ribosomal protein S15



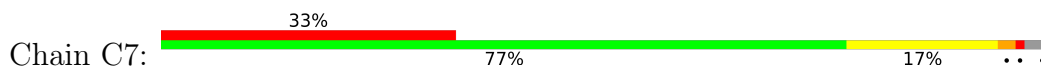
• Molecule 18: 40S ribosomal protein S16-A

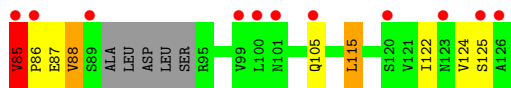
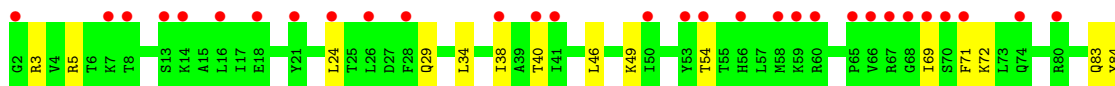


• Molecule 18: 40S ribosomal protein S16-A

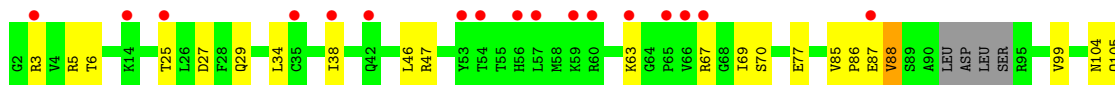
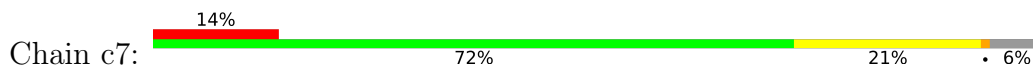


• Molecule 19: 40S ribosomal protein S17-B

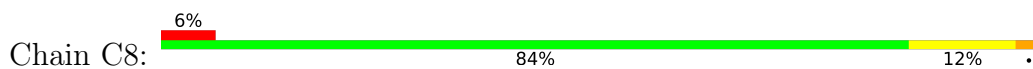




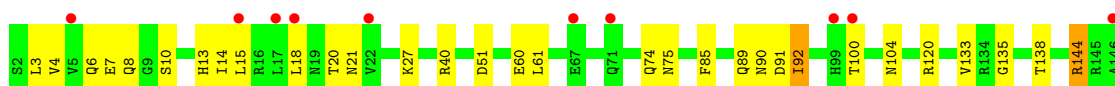
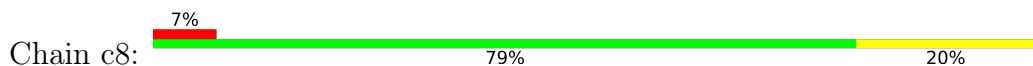
- Molecule 19: 40S ribosomal protein S17-B



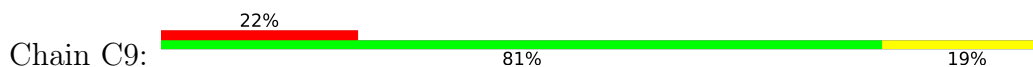
- Molecule 20: 40S ribosomal protein S18-A



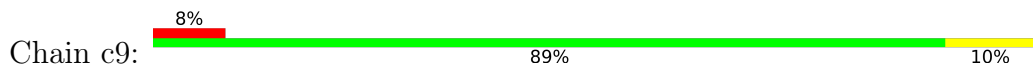
- Molecule 20: 40S ribosomal protein S18-A



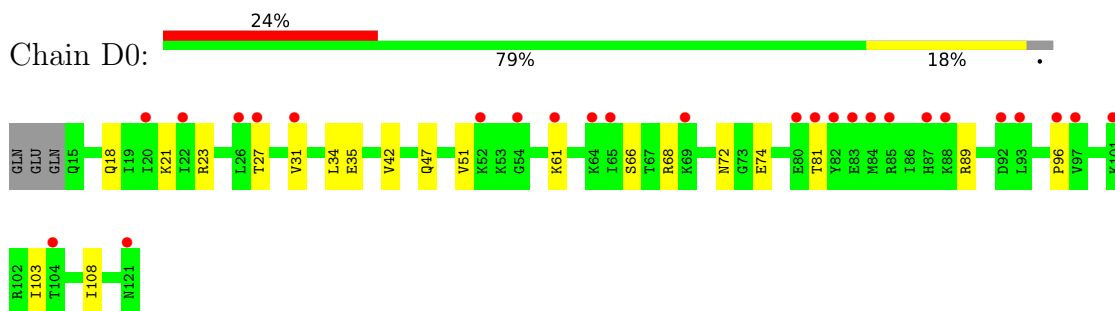
- Molecule 21: 40S ribosomal protein S19-A



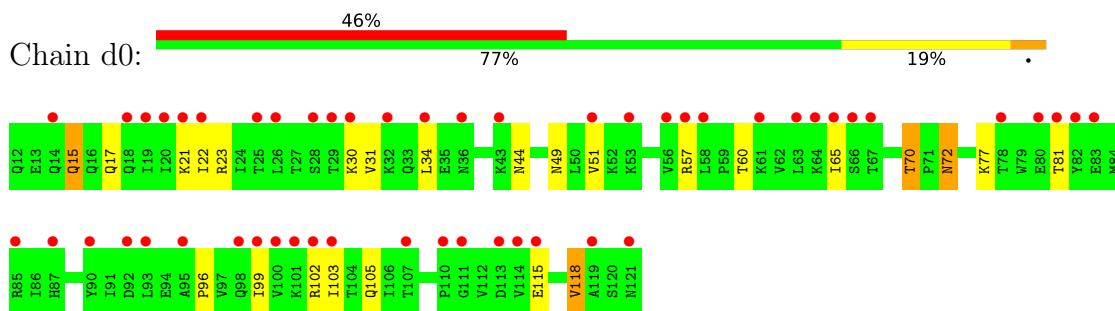
- Molecule 21: 40S ribosomal protein S19-A



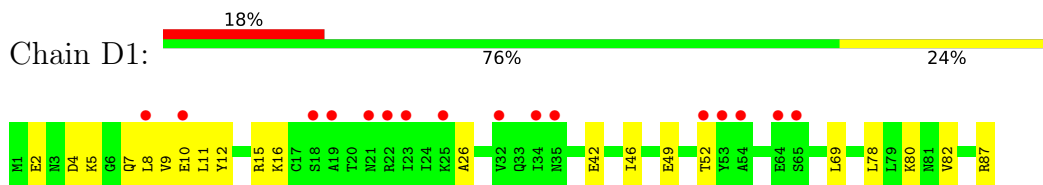
- Molecule 22: 40S ribosomal protein S20



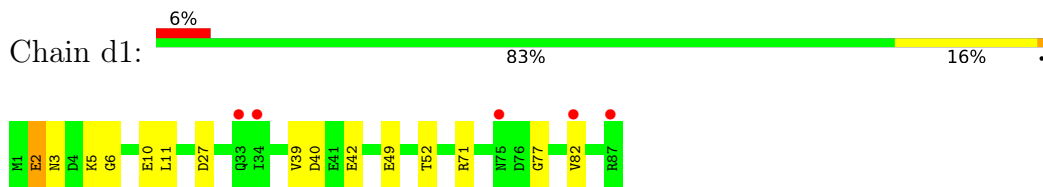
- Molecule 22: 40S ribosomal protein S20



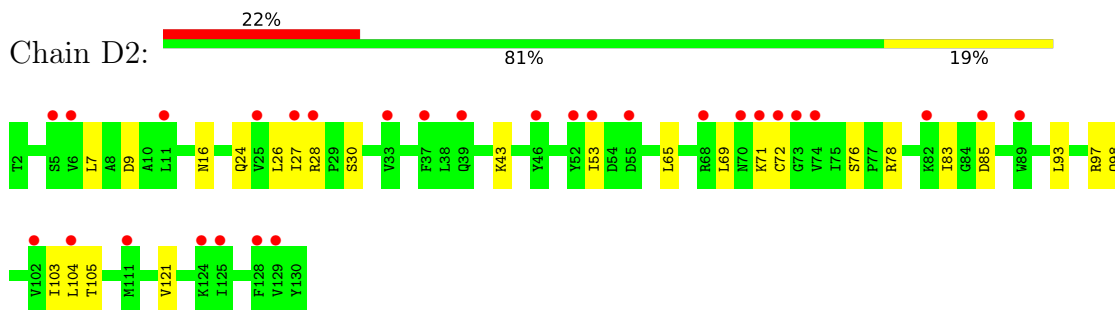
- Molecule 23: 40S ribosomal protein S21-A




- Molecule 23: 40S ribosomal protein S21-A

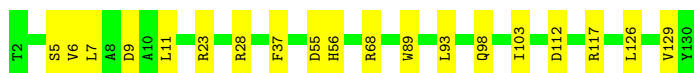


- Molecule 24: 40S ribosomal protein S22-A




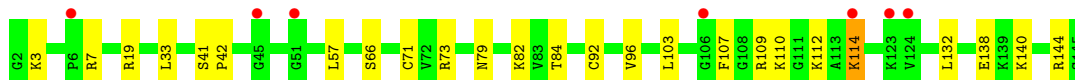
- Molecule 24: 40S ribosomal protein S22-A

Chain d2:  85% 15%




- Molecule 25: 40S ribosomal protein S23-A

Chain D3:  5% 83% 17%




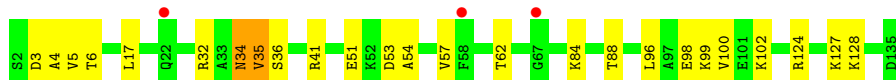
- Molecule 25: 40S ribosomal protein S23-A

Chain d3:  2% 82% 17%




- Molecule 26: 40S ribosomal protein S24-A

Chain D4:  2% 81% 17%



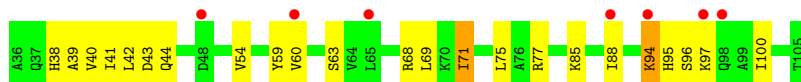
- Molecule 26: 40S ribosomal protein S24-A

Chain d4:  4% 78% 18%




- Molecule 27: 40S ribosomal protein S25-A

Chain D5:  10% 67% 30%

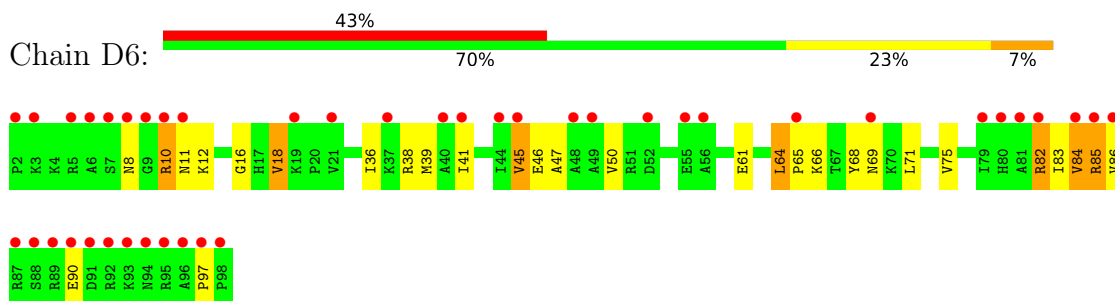


- Molecule 27: 40S ribosomal protein S25-A

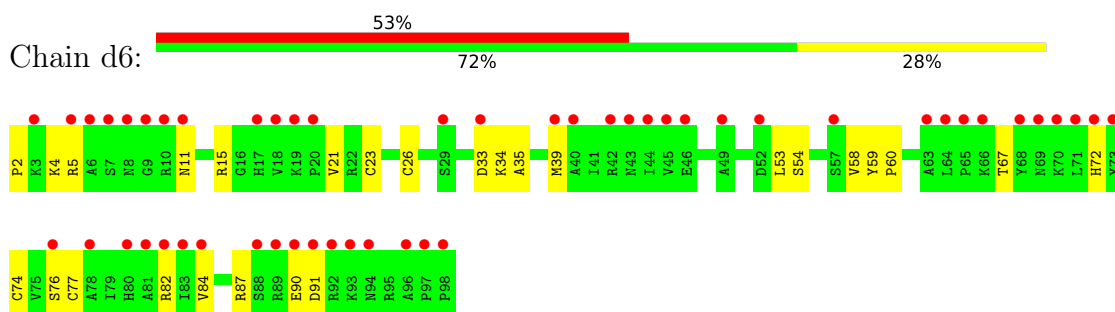
Chain d5:  7% 80% 19%



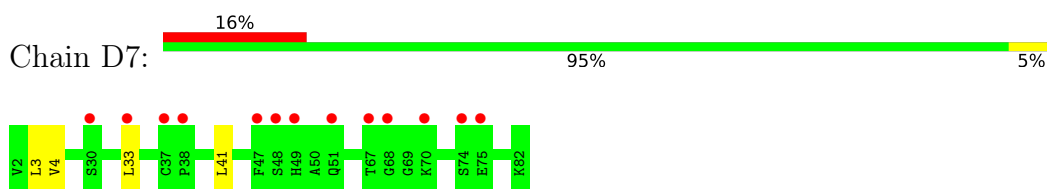
- Molecule 28: 40S ribosomal protein S26-B



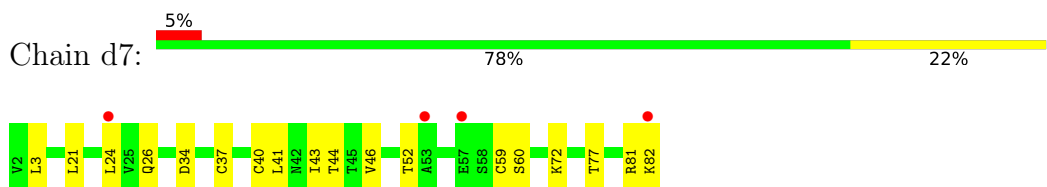
- Molecule 28: 40S ribosomal protein S26-B



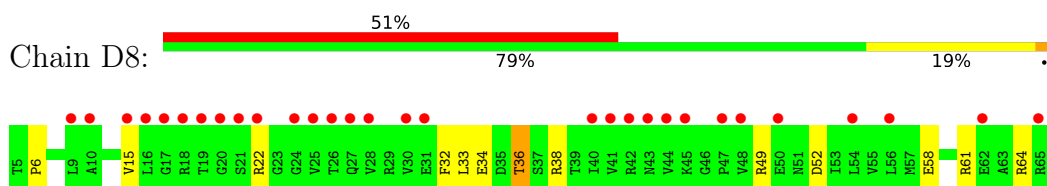
- Molecule 29: 40S ribosomal protein S27-A



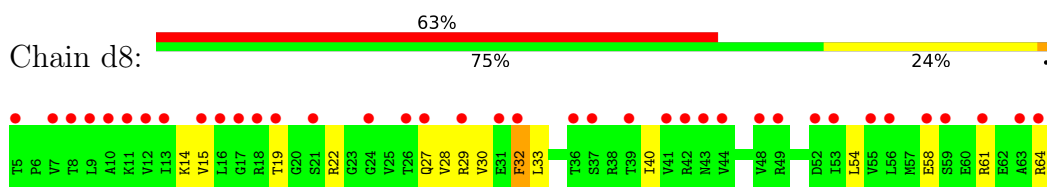
- Molecule 29: 40S ribosomal protein S27-A



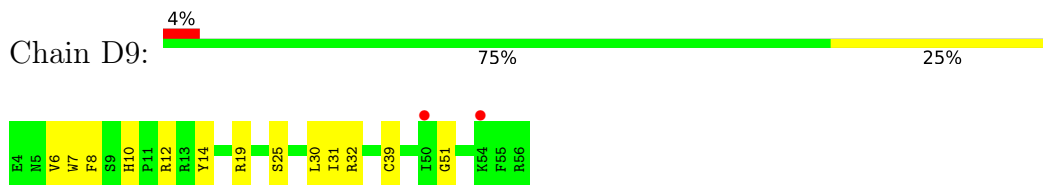
- Molecule 30: 40S ribosomal protein S28-A



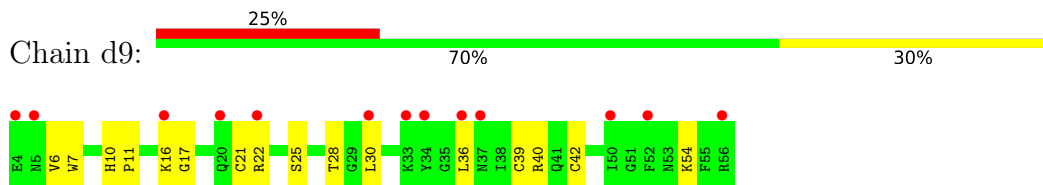
- Molecule 30: 40S ribosomal protein S28-A



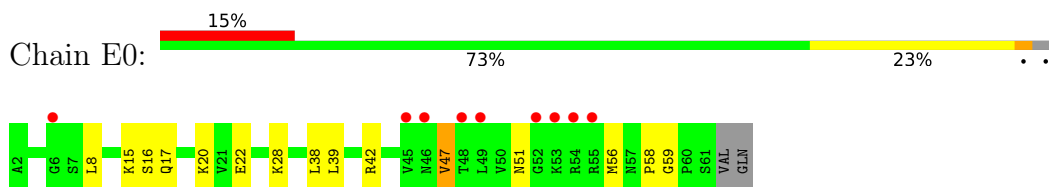
- Molecule 31: 40S ribosomal protein S29-A



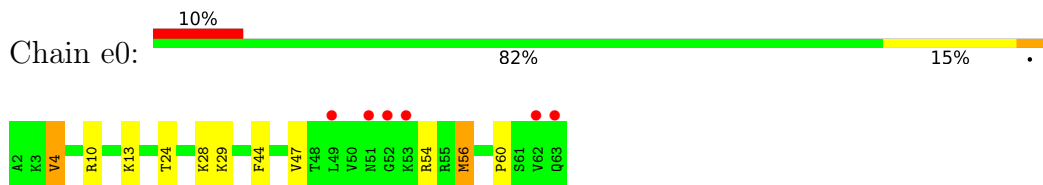
- Molecule 31: 40S ribosomal protein S29-A



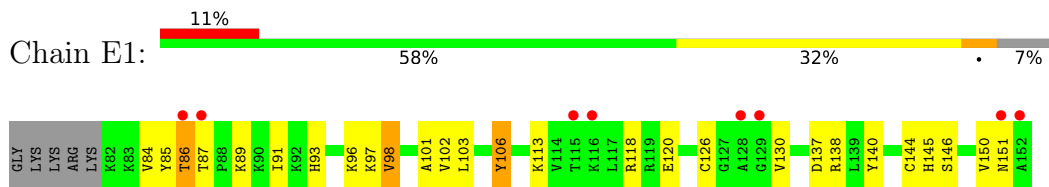
- Molecule 32: 40S ribosomal protein S30-A



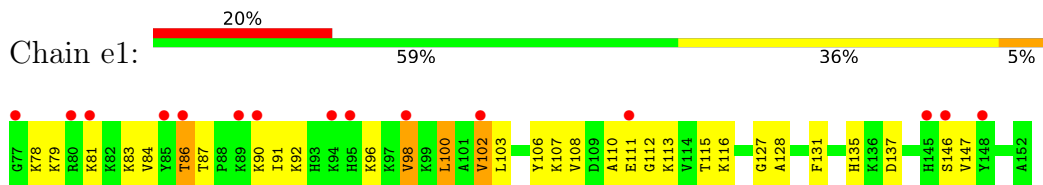
- Molecule 32: 40S ribosomal protein S30-A



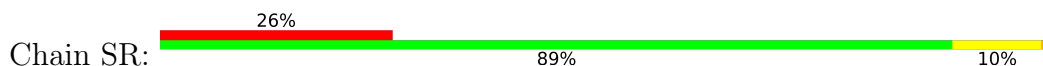
- Molecule 33: 40S ribosomal protein S31

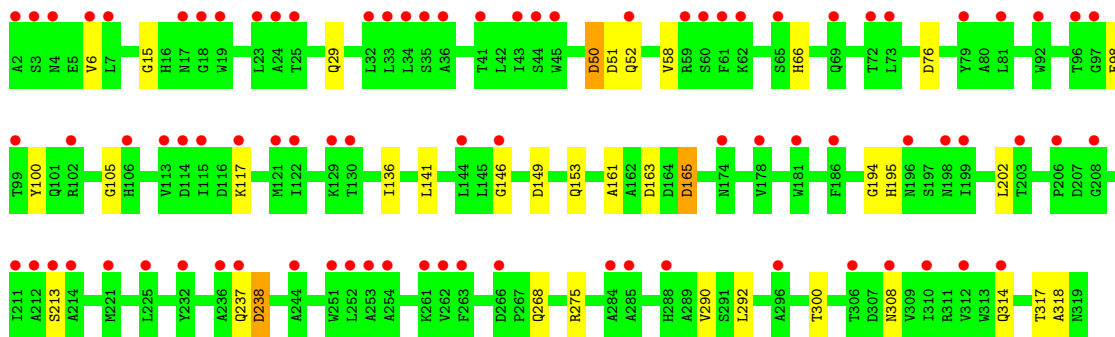


- Molecule 33: 40S ribosomal protein S31

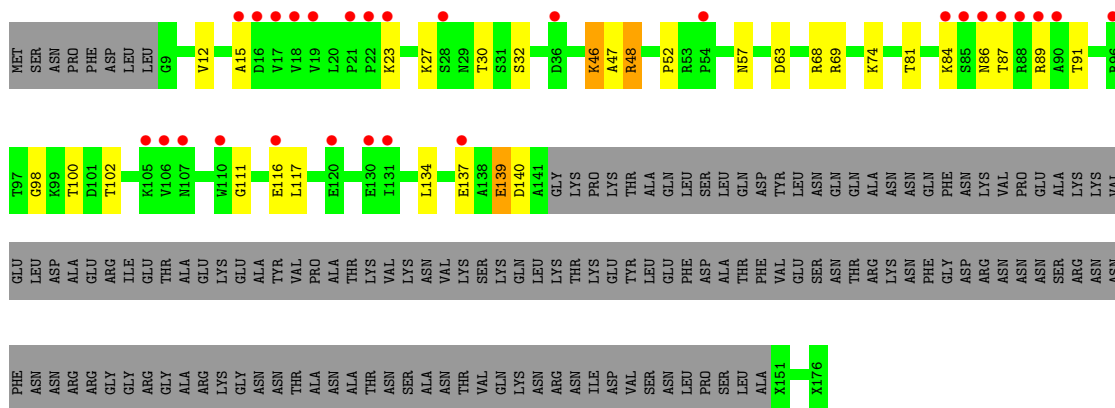
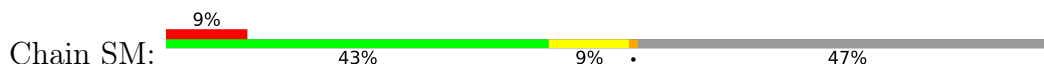


- Molecule 34: Guanine nucleotide-binding protein subunit beta-like protein

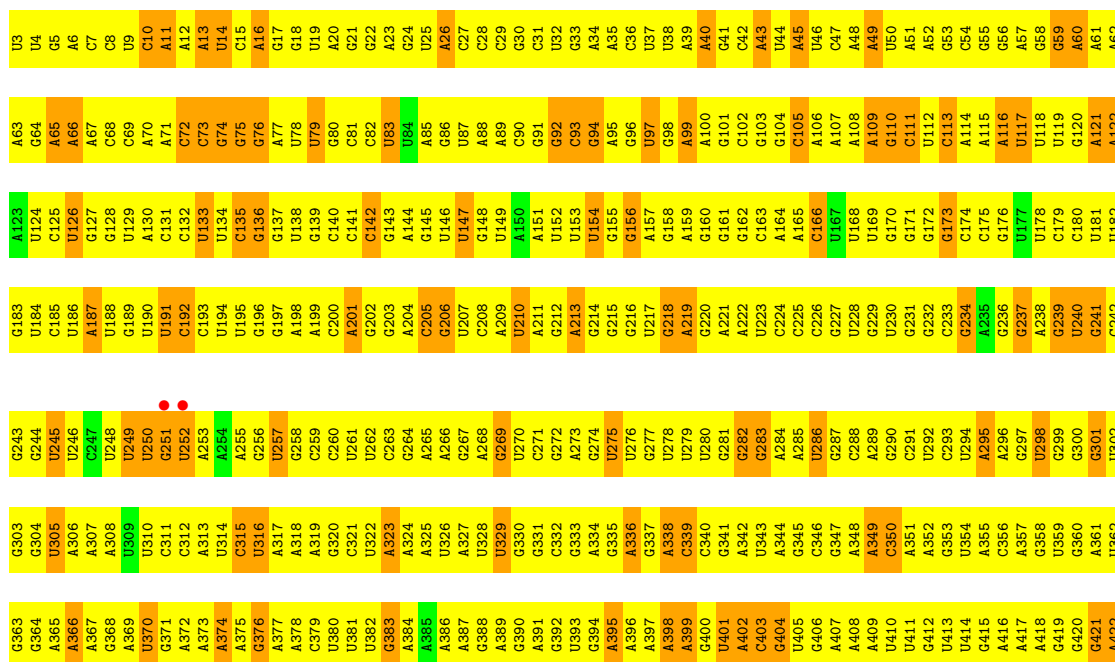
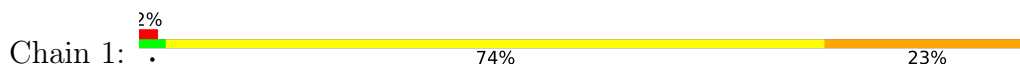




• Molecule 35: Suppressor protein STM1,Ribosome-bound protein Stm1,Suppressor protein STM1,Ribosome-bound protein Stm1

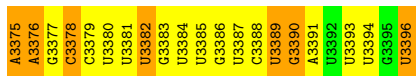


• Molecule 36: 25S ribosomal RNA

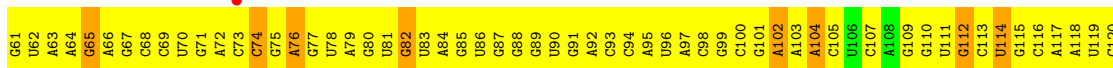
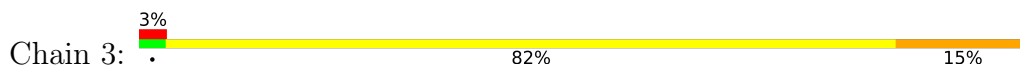


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G1323	G1199	G1019	A898	C938	U778	G718	G658	G598	G538	G425
G1324	A1200	G1020	A899	C939	U779	U719	G659	C599	C539	G426
G1325	C1201	G1021	G900	C940	A780	G720	A660	G600	U540	C427
G1326	A1264	G1022	G901	C941	G781	G721	G661	U601	U541	A428
G1327	U1265	C1023	G902	C942	U782	G722	U662	A602	G542	U429
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G1329	U1144	A1025	A904	G944	A784	U724	U664	G604	C544	U431
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G1331	G1146	A1027	A906	A846	A786	G726	A666	C606	C546	A433
G1332	G1147	A1027	A906	A846	A786	G726	A666	C606	C546	A433
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G1335	A1150	A1030	G909	C949	A789	C729	U669	G609	U549	A436
G1336	U1151	C1031	G910	U850	U790	C730	C670	G610	A550	G437
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G1338	G1213	A1033	G912	U852	G792	G732	A672	U612	G552	C439
G1339	U1214	U1034	A913	G853	C793	G733	U673	G613	U553	C440
G1340	U1215	G1035	A914	G854	U794	C734	G674	C614	A554	G494
G1341	C1216	A1036	A915	U855	G795	A735	C675	U615	U555	G495
G1342	A1217	C1037	G916	G856	U796	A736	G676	G616	U556	C496
G1343	G1218	U1038	A917	G857	U797	G737	A677	G617	A557	A497
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G1345	U1220	A1040	U919	G859	G799	G739	U679	A619	A559	C499
G1346	A1221	U1041	A920	G860	G800	G740	U680	U620	C560	C500
G1347	G1222	U1042	A921	C861	A801	U741	U681	A621	C561	A501
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G1351	G1227	U1046	A925	U865	G805	G745	G685	G625	U565	A505
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G1355	G1231	U1050	A929	G869	G809	C749	U689	U629	A569	U509
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G1358	G1234	U1053	U932	U872	G812	C752	A692	G632	A572	U512
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G1360	G1236	U1055	G934	U874	U814	G754	C694	C634	U574	G514
G1361	C1237	U1056	U935	G875	G815	A755	C695	G635	G575	C515
G1362	U1238	A1057	A936	A876	A816	U756	C696	C636	A576	C516
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G1366	G1242	A1061	G940	G880	A820	G760	C700	U640	C580	U520
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G1368	A1244	G1063	G942	A882	G822	U762	C702	U642	G582	A522
G1369	A1245	A1064	U943	A883	C823	G763	G703	U643	G583	A523
G1370	G1246	U1065	C944	A884	C824	U764	U704	G644	G584	U524
G1371	U1247	G1066	C945	U885	U825	C765	A705	A645	A585	C525
G1372	C1248	U1067	U946	C886	G826	U766	A706	A646	C586	C526
G1373	G1249	C1068	G947	A887	A827	U767	U707	C647	U587	A527
G1374	U1253	U1069	U948	A888	A828	C768	G708	C648	G588	U528
G1375	C1254	A1130	C949	U889	U829	U709	A649	A649	A589	A529
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G1377	C1256	U1072	A951	G891	G831	A771	A711	C651	G591	G531
G1378	U1257	U1073	A952	U892	G832	U772	G712	G652	A592	A532
G1379	U1258	U1074	G953	C993	G833	G773	U713	C653	C593	A533
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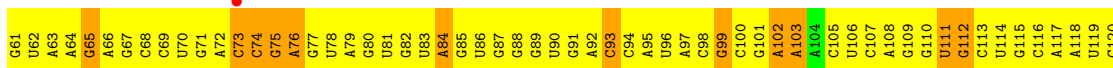
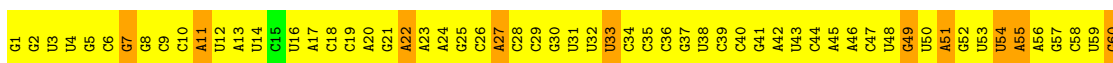
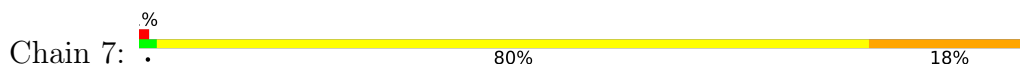
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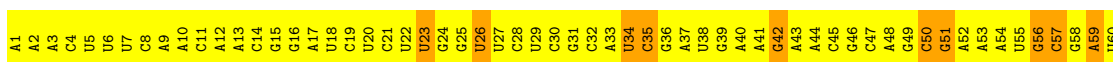
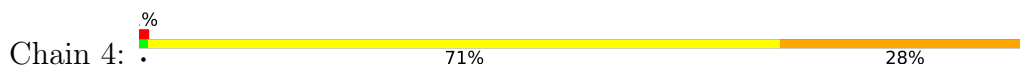
• Molecule 37: 5S ribosomal RNA



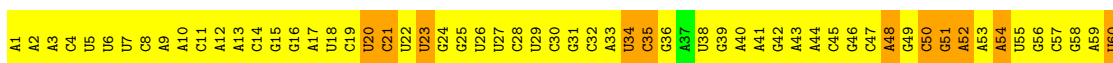
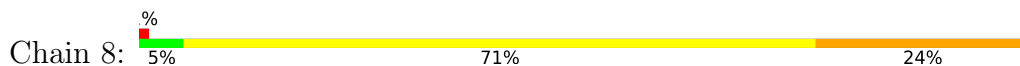
• Molecule 37: 5S ribosomal RNA

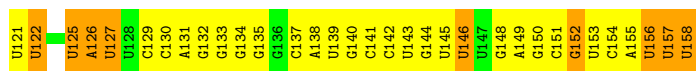


• Molecule 38: 5.8S ribosomal RNA

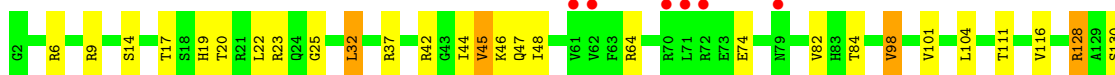
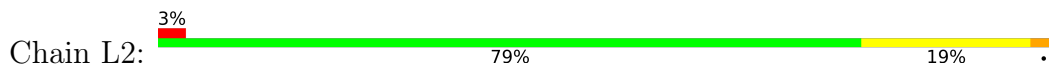


• Molecule 38: 5.8S ribosomal RNA

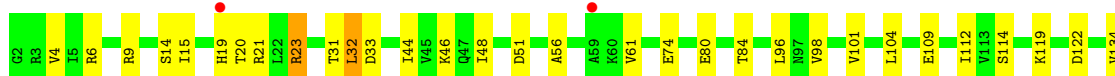
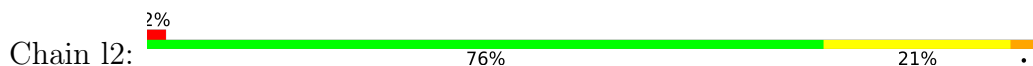




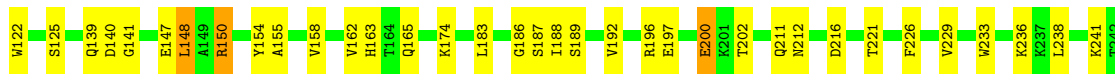
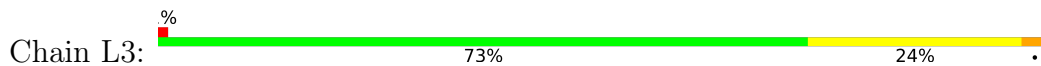
• Molecule 39: 60S ribosomal protein L2-A



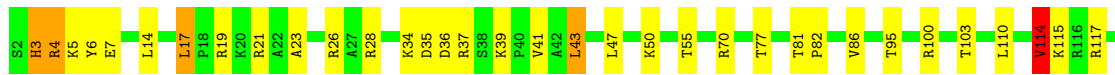
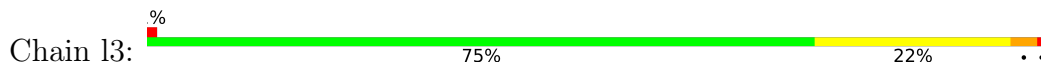
• Molecule 39: 60S ribosomal protein L2-A

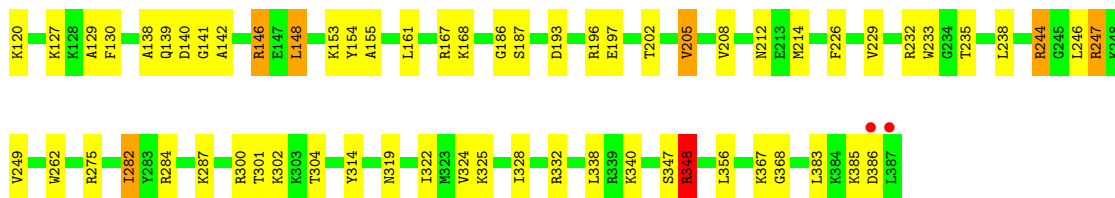


• Molecule 40: 60S ribosomal protein L3

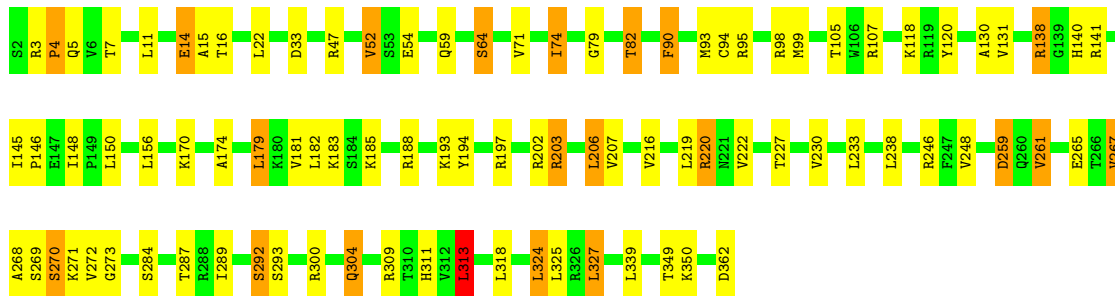
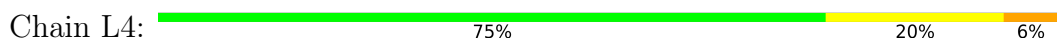


• Molecule 40: 60S ribosomal protein L3

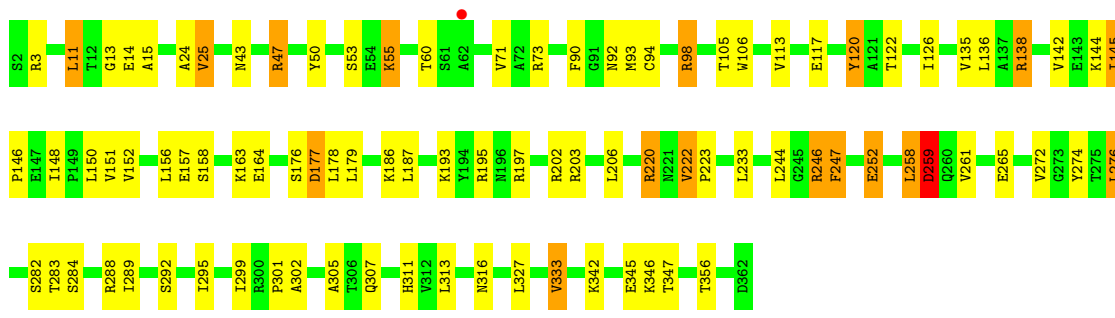




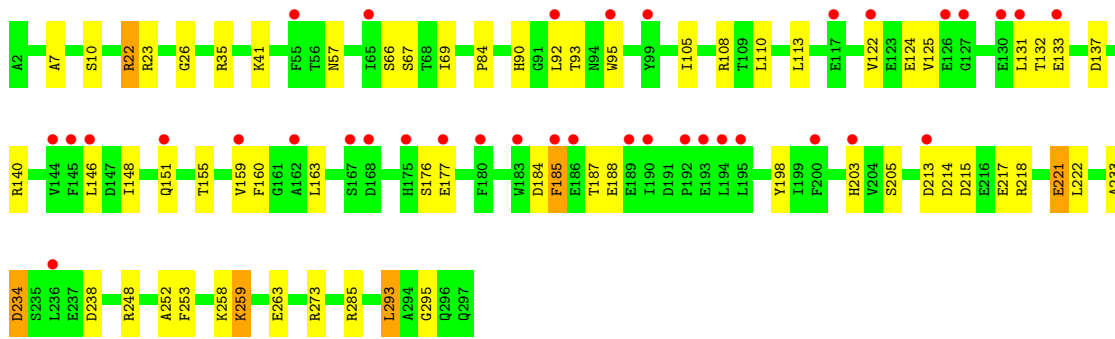
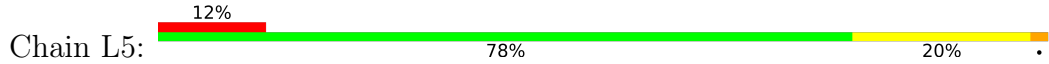
• Molecule 41: 60S ribosomal protein L4-A



• Molecule 41: 60S ribosomal protein L4-A



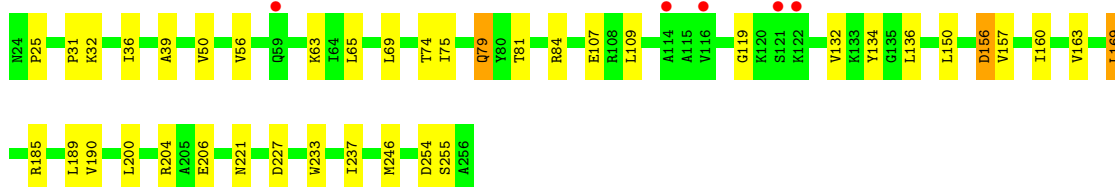
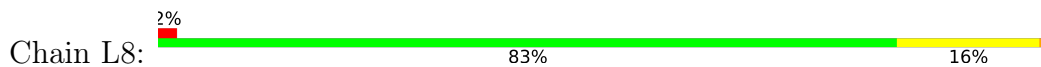
• Molecule 42: 60S ribosomal protein L5



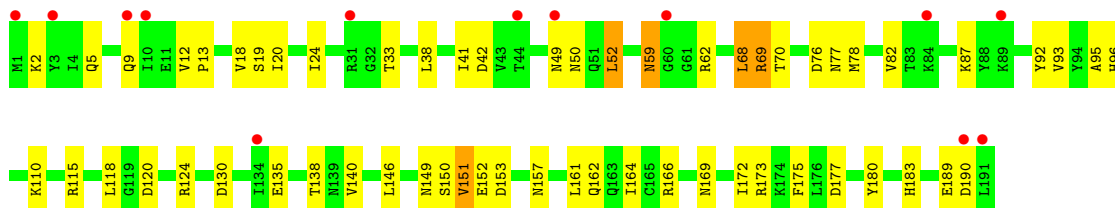
• Molecule 42: 60S ribosomal protein L5



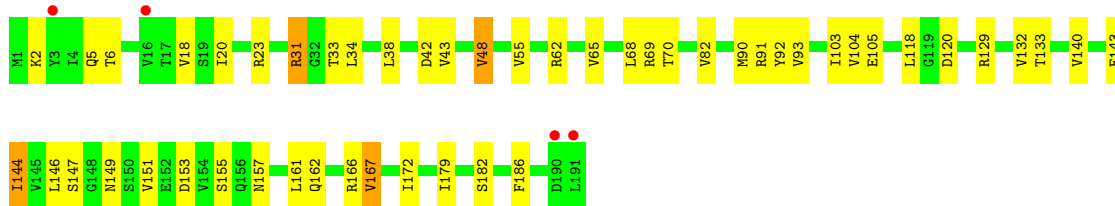
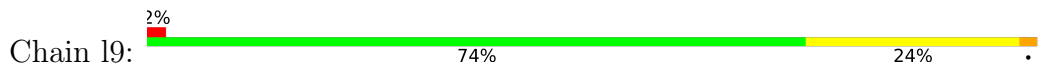
- Molecule 45: 60S ribosomal protein L8-A



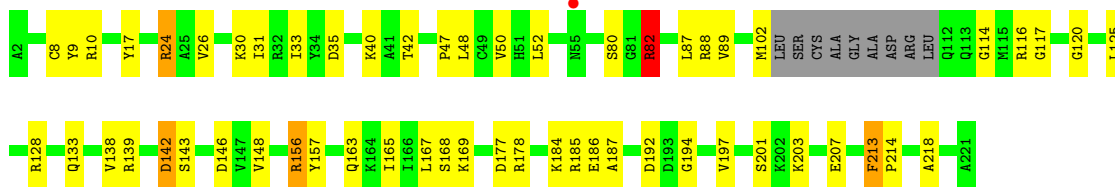
- Molecule 46: 60S ribosomal protein L9-A



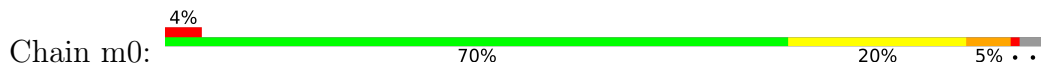
- Molecule 46: 60S ribosomal protein L9-A

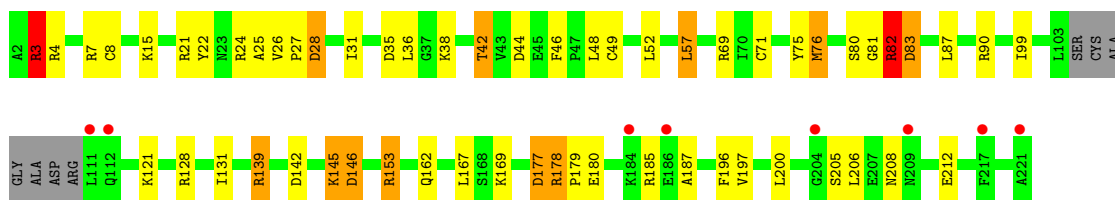


- Molecule 47: 60S ribosomal protein L10

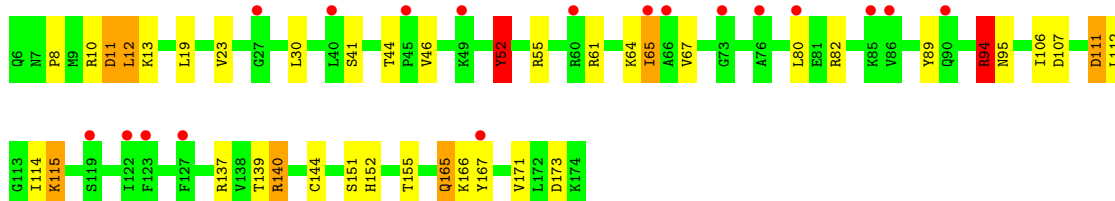
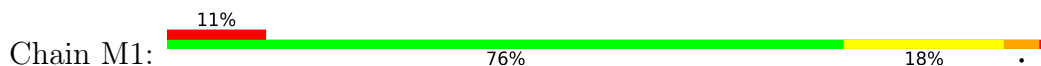


- Molecule 47: 60S ribosomal protein L10

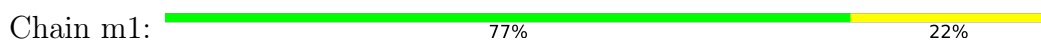




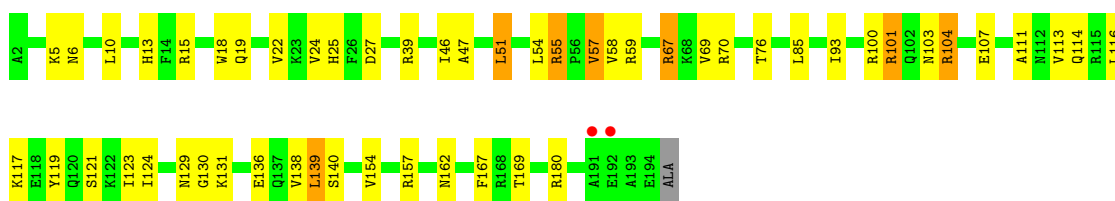
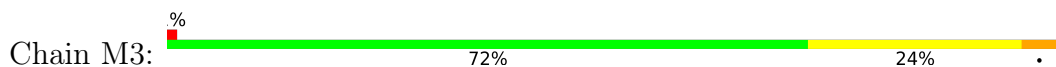
- Molecule 48: 60S ribosomal protein L11-B



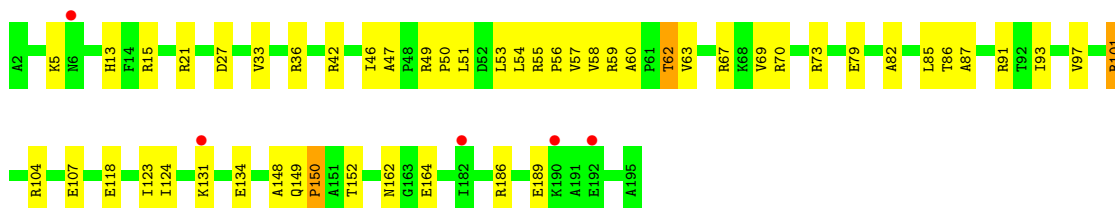
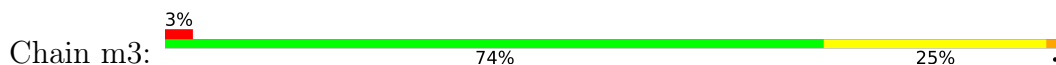
- Molecule 48: 60S ribosomal protein L11-B



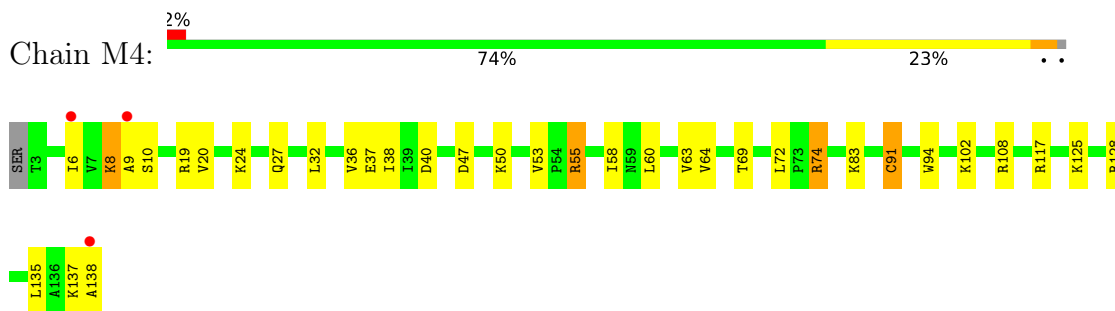
- Molecule 49: 60S ribosomal protein L13-A



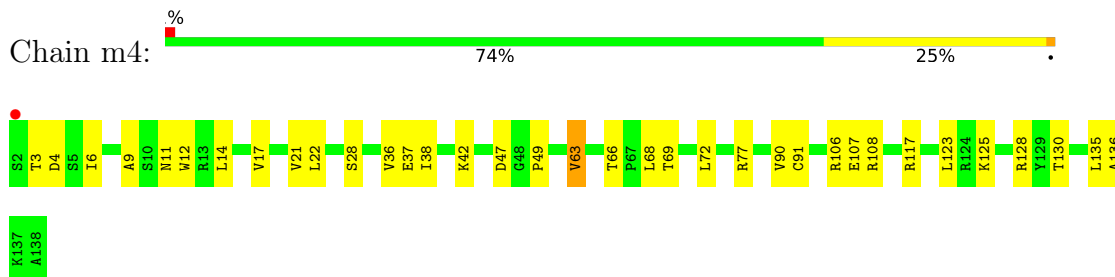
- Molecule 49: 60S ribosomal protein L13-A



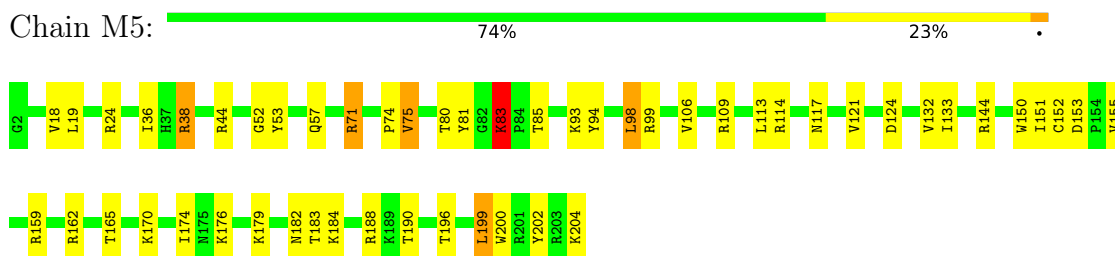
- Molecule 50: 60S ribosomal protein L14-A



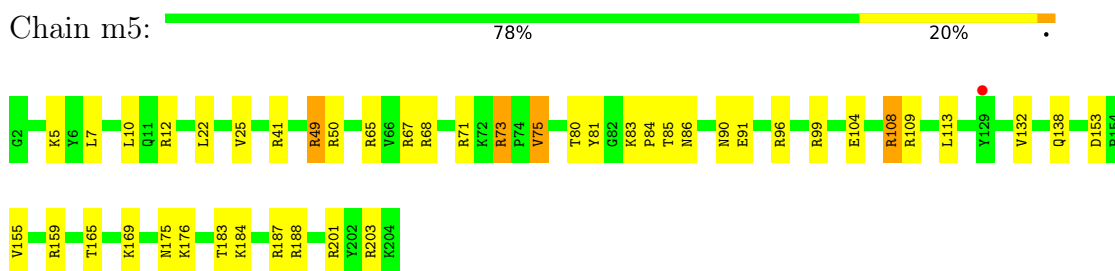
- Molecule 50: 60S ribosomal protein L14-A



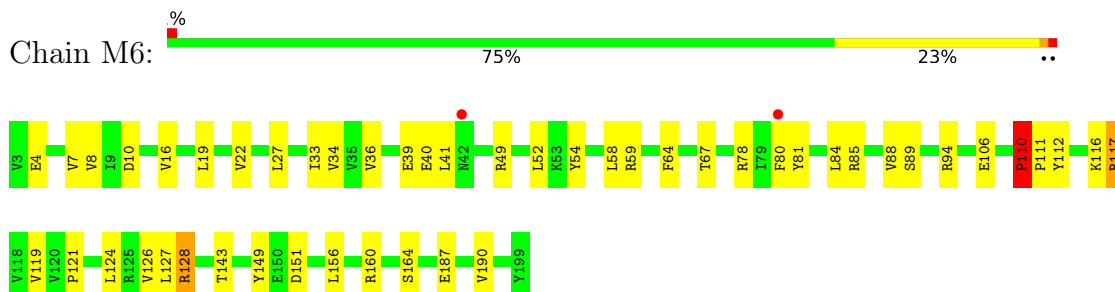
- Molecule 51: 60S ribosomal protein L15-A



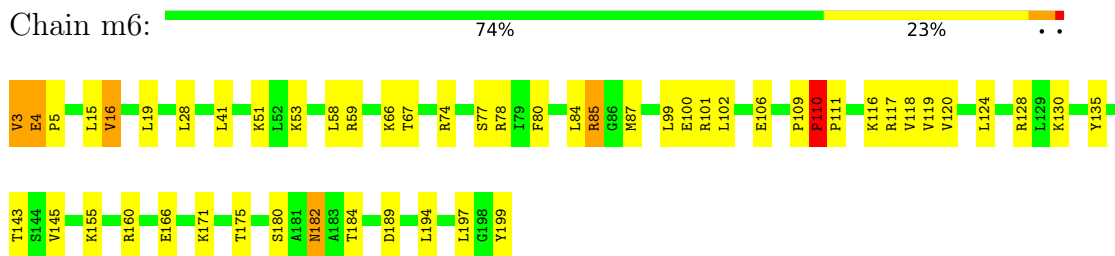
- Molecule 51: 60S ribosomal protein L15-A



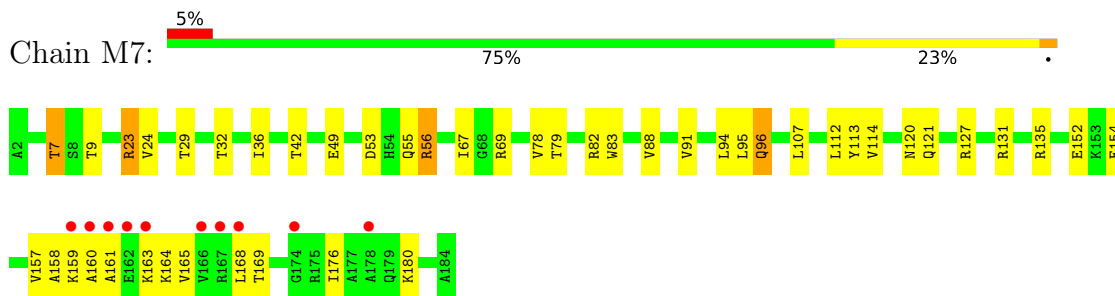
- Molecule 52: 60S ribosomal protein L16-A



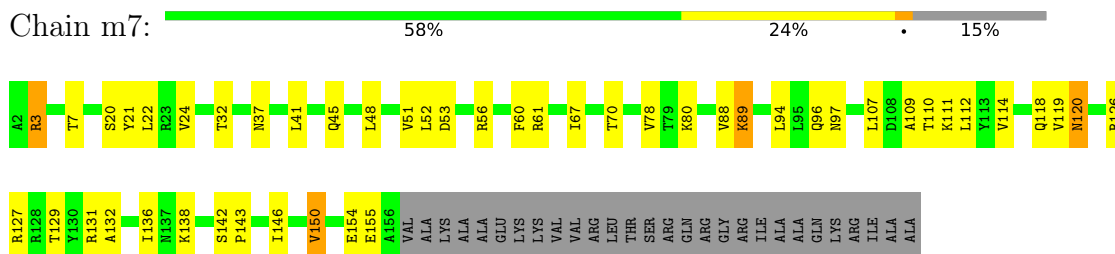
- Molecule 52: 60S ribosomal protein L16-A



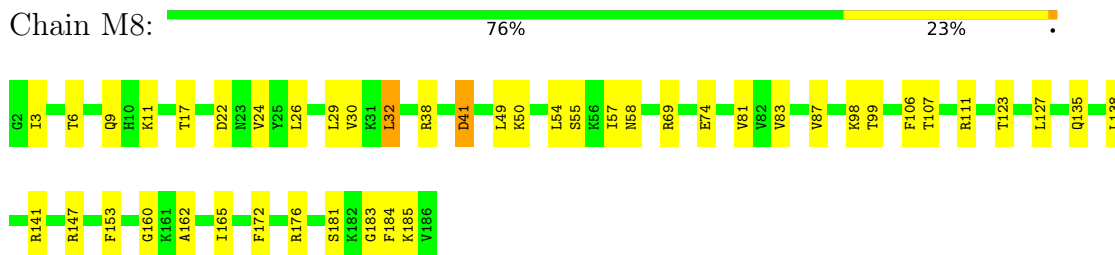
- Molecule 53: 60S ribosomal protein L17-A



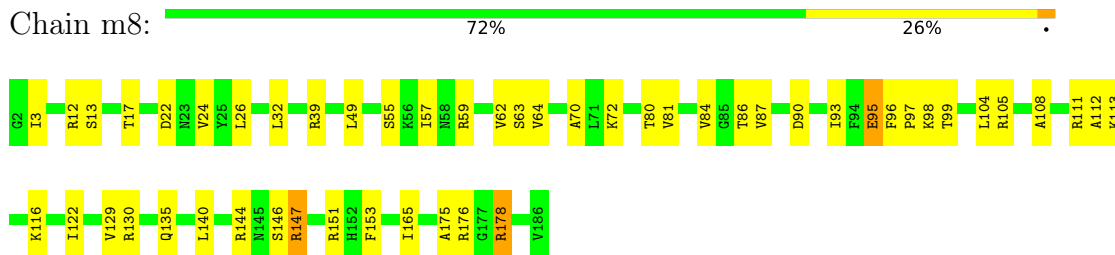
- Molecule 53: 60S ribosomal protein L17-A



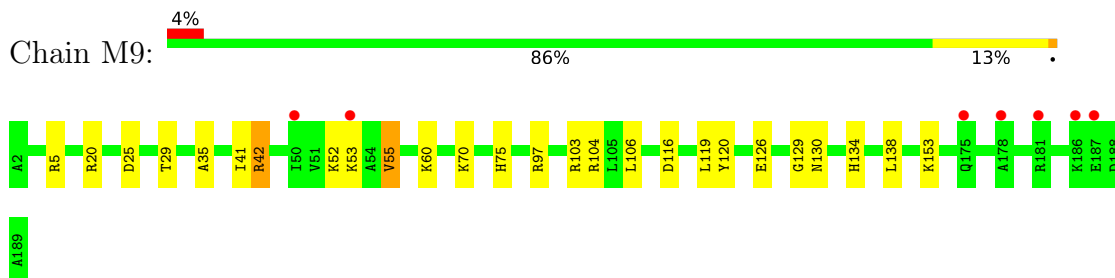
- Molecule 54: 60S ribosomal protein L18-A



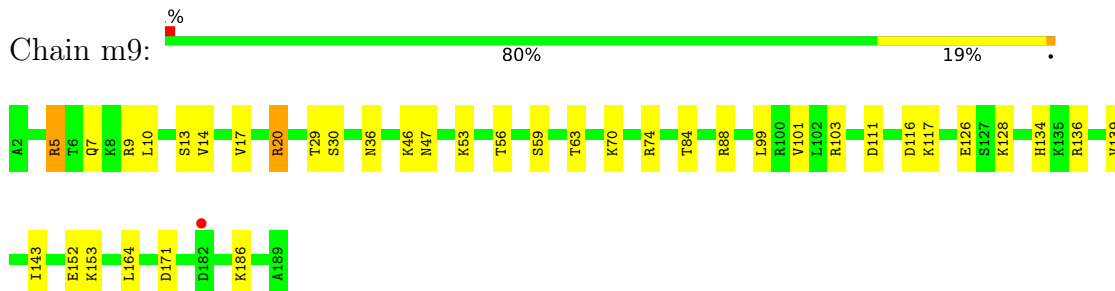
- Molecule 54: 60S ribosomal protein L18-A



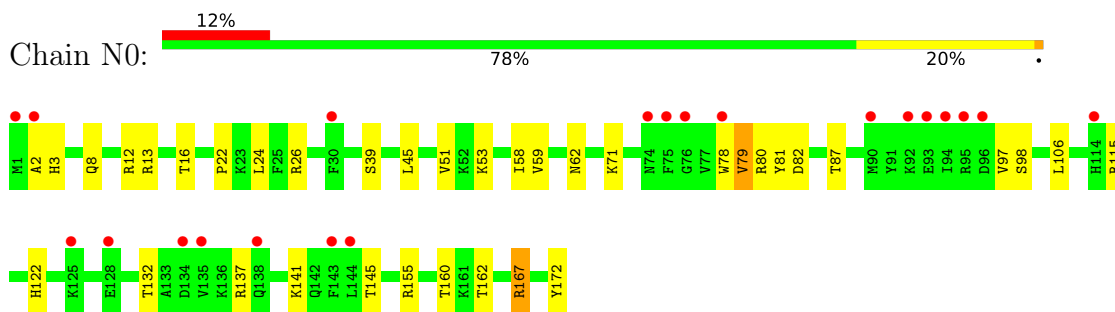
- Molecule 55: 60S ribosomal protein L19-A



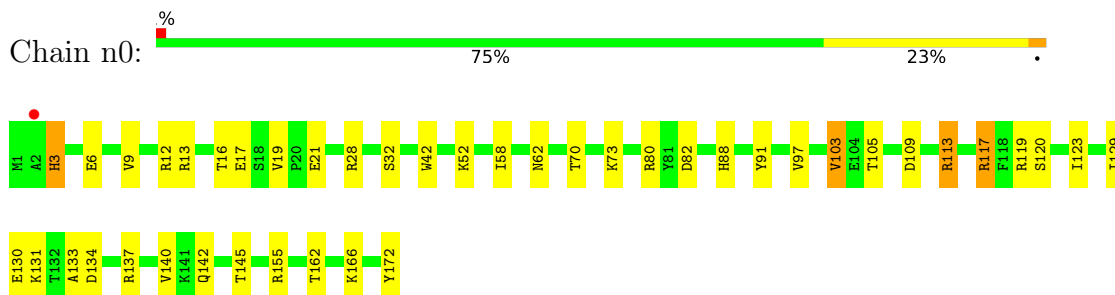
- Molecule 55: 60S ribosomal protein L19-A



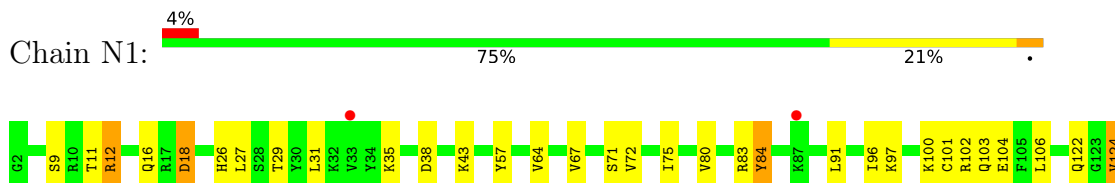
- Molecule 56: 60S ribosomal protein L20-A



- Molecule 56: 60S ribosomal protein L20-A

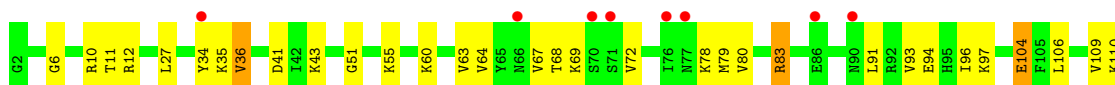
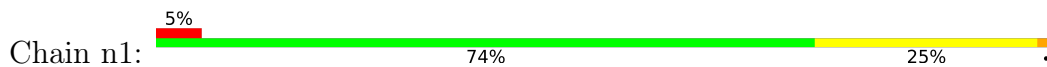


- Molecule 57: 60S ribosomal protein L21-A

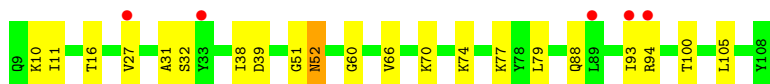
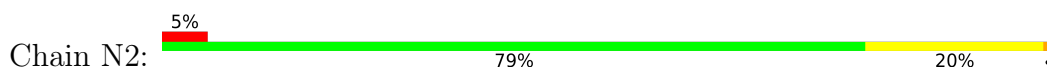




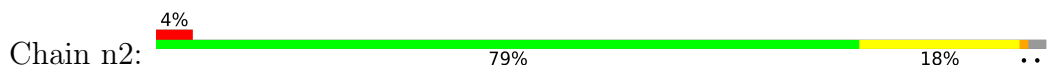
- Molecule 57: 60S ribosomal protein L21-A



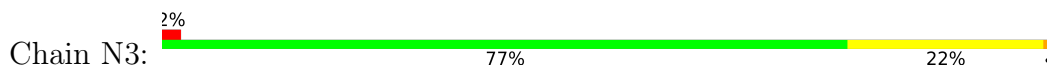
- Molecule 58: 60S ribosomal protein L22-A



- Molecule 58: 60S ribosomal protein L22-A



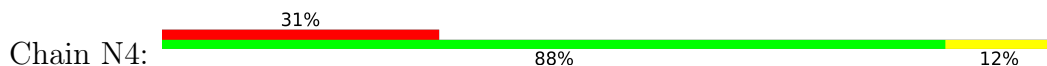
- Molecule 59: 60S ribosomal protein L23-A



- Molecule 59: 60S ribosomal protein L23-A

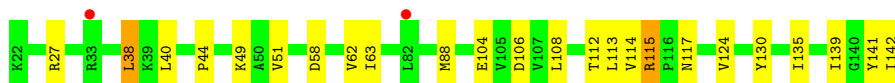
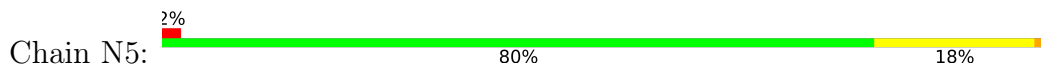


- Molecule 60: 60S ribosomal protein L24-A





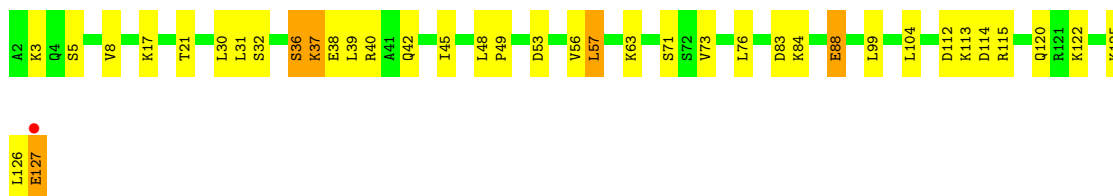
- Molecule 61: 60S ribosomal protein L25



- Molecule 61: 60S ribosomal protein L25



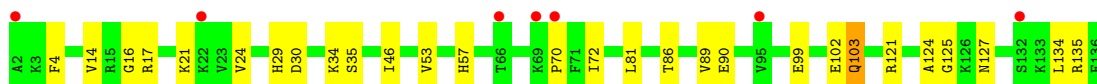
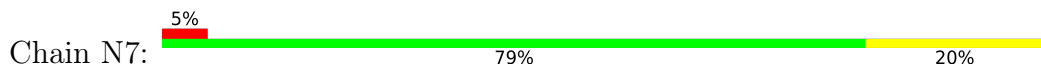
- Molecule 62: 60S ribosomal protein L26-A



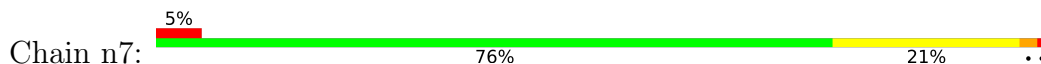
- Molecule 62: 60S ribosomal protein L26-A

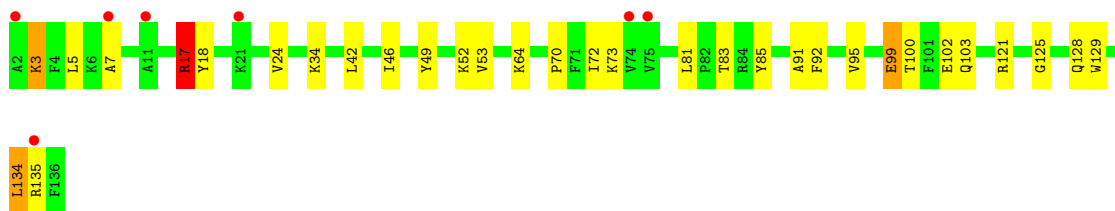


- Molecule 63: 60S ribosomal protein L27-A



- Molecule 63: 60S ribosomal protein L27-A





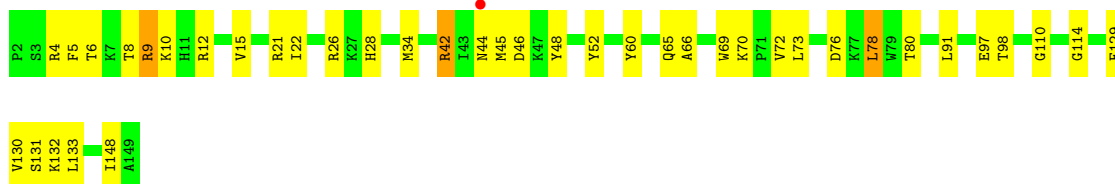
- Molecule 64: 60S ribosomal protein L28

Chain N8: 78% 18%



- Molecule 64: 60S ribosomal protein L28

Chain n8: 73% 25%



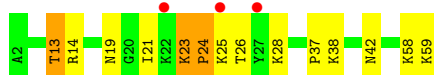
- Molecule 65: 60S ribosomal protein L29

Chain N9: 81% 17%



- Molecule 65: 60S ribosomal protein L29

Chain n9: 5% 76% 19% 5%



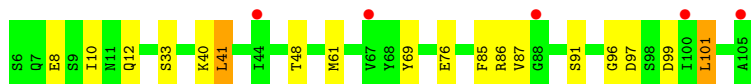
- Molecule 66: 60S ribosomal protein L30

Chain O0: 3% 79% 18%

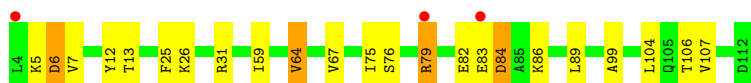
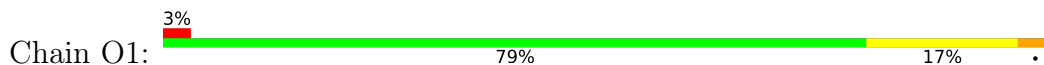


- Molecule 66: 60S ribosomal protein L30

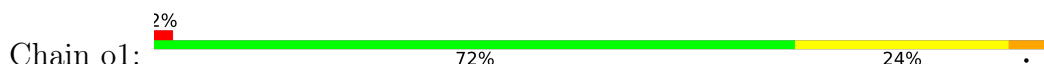
Chain o0: 5% 82% 16%



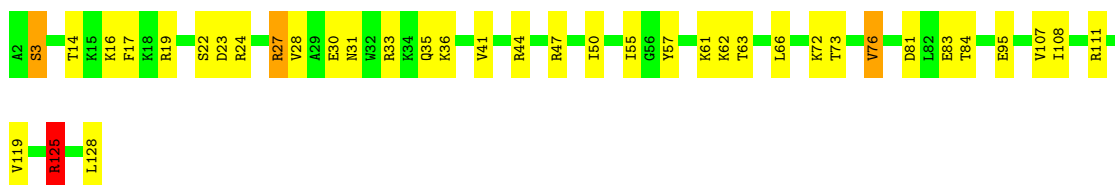
• Molecule 67: 60S ribosomal protein L31-A



• Molecule 67: 60S ribosomal protein L31-A



• Molecule 68: 60S ribosomal protein L32



• Molecule 68: 60S ribosomal protein L32

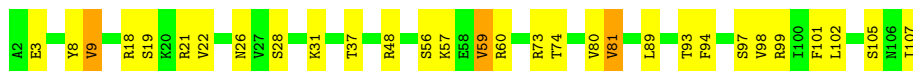


• Molecule 69: 60S ribosomal protein L33-A

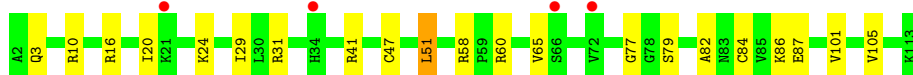
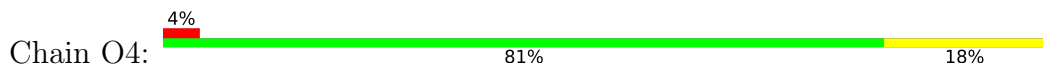


• Molecule 69: 60S ribosomal protein L33-A

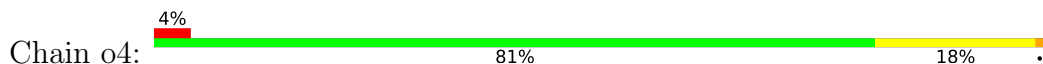




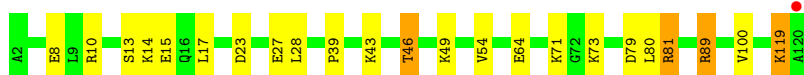
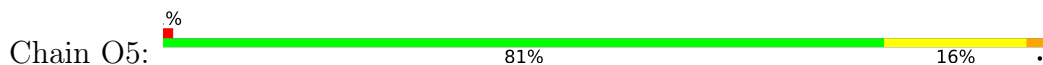
- Molecule 70: 60S ribosomal protein L34-A



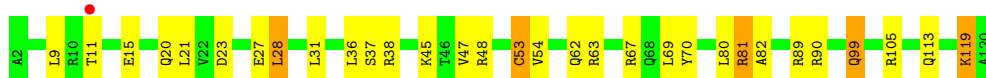
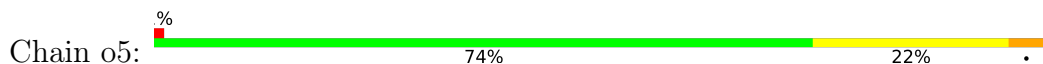
- Molecule 70: 60S ribosomal protein L34-A



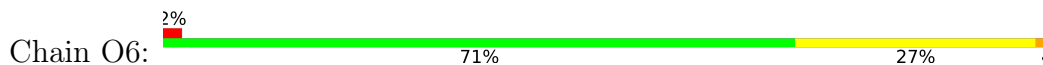
- Molecule 71: 60S ribosomal protein L35-A



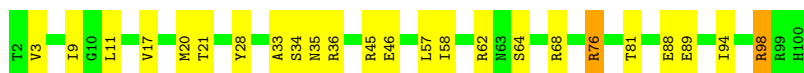
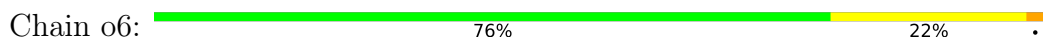
- Molecule 71: 60S ribosomal protein L35-A



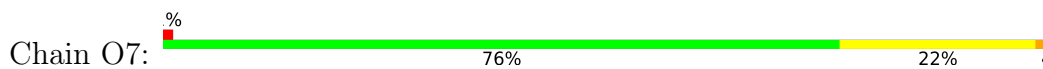
- Molecule 72: 60S ribosomal protein L36-A



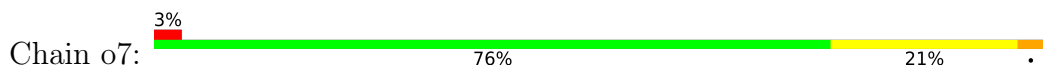
- Molecule 72: 60S ribosomal protein L36-A



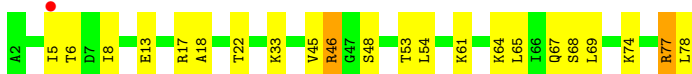
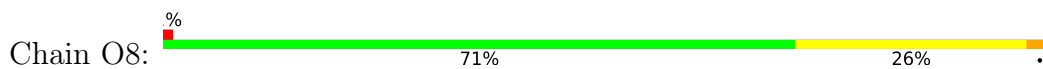
- Molecule 73: 60S ribosomal protein L37-A



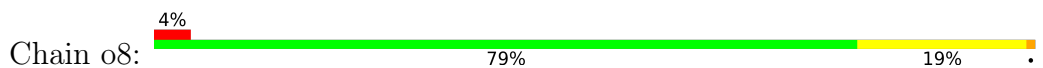
- Molecule 73: 60S ribosomal protein L37-A



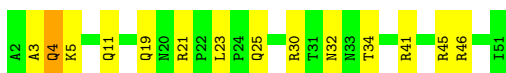
- Molecule 74: 60S ribosomal protein L38



- Molecule 74: 60S ribosomal protein L38



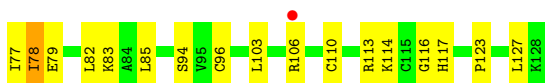
- Molecule 75: 60S ribosomal protein L39



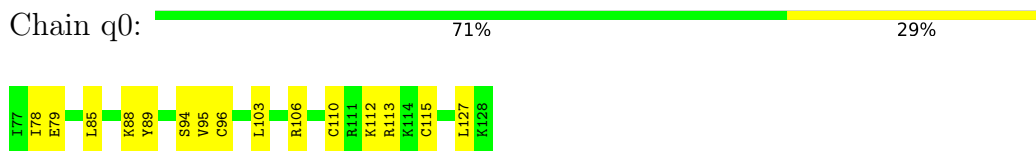
- Molecule 75: 60S ribosomal protein L39



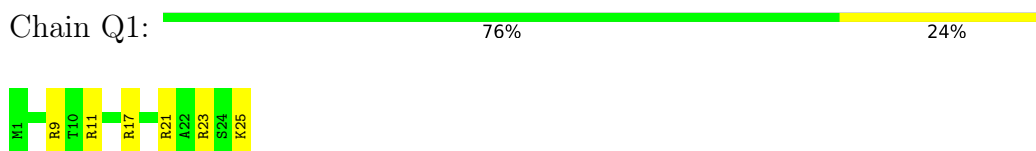
- Molecule 76: 60S ribosomal protein L40-A



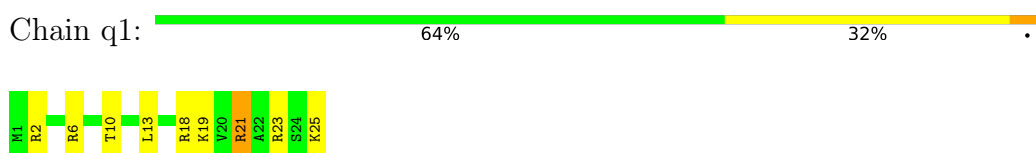
- Molecule 76: 60S ribosomal protein L40-A



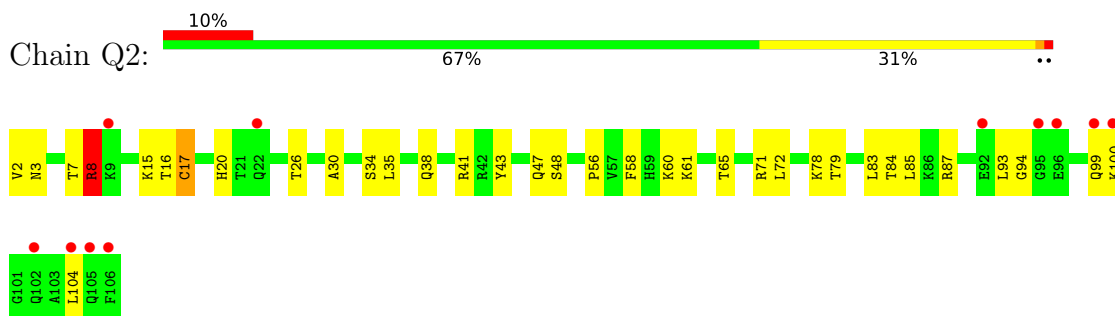
- Molecule 77: 60S ribosomal protein L41-A



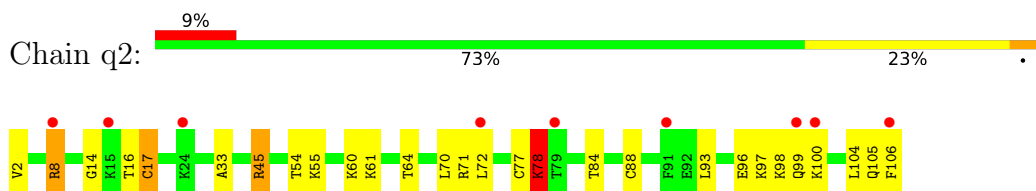
- Molecule 77: 60S ribosomal protein L41-A



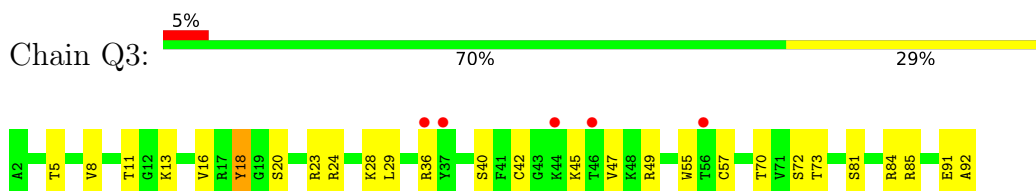
- Molecule 78: 60S ribosomal protein L42-A



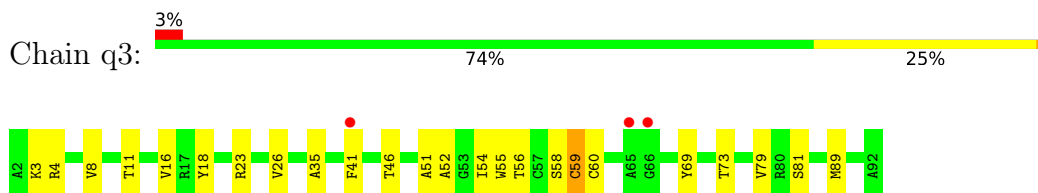
- Molecule 78: 60S ribosomal protein L42-A



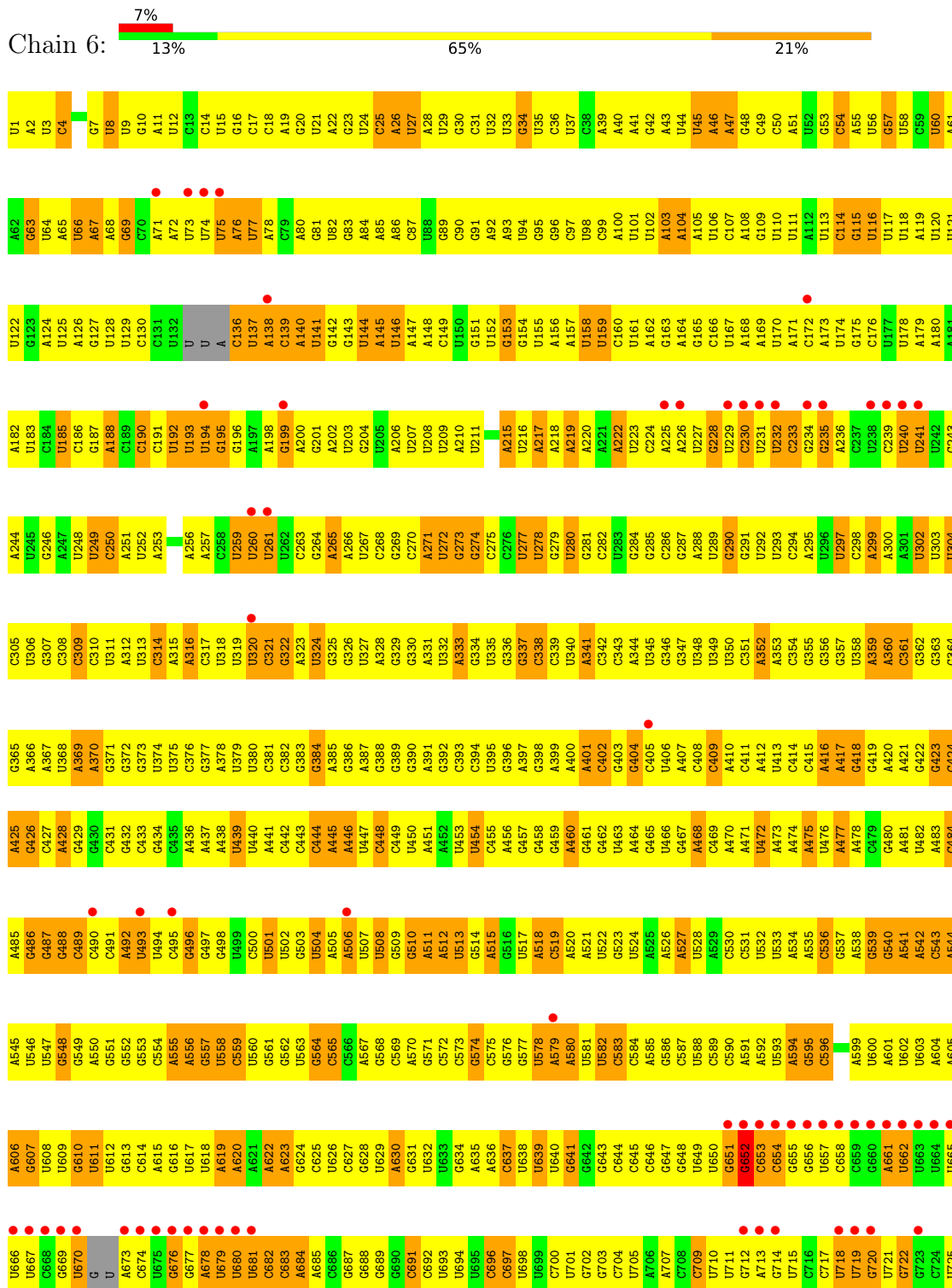
- Molecule 79: 60S ribosomal protein L43-A



- Molecule 79: 60S ribosomal protein L43-A



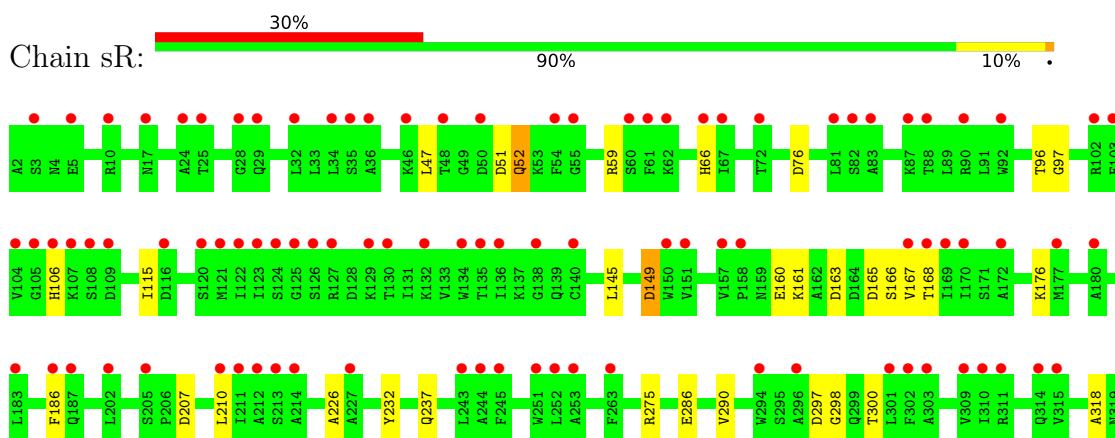
● Molecule 80: 18S ribosomal RNA



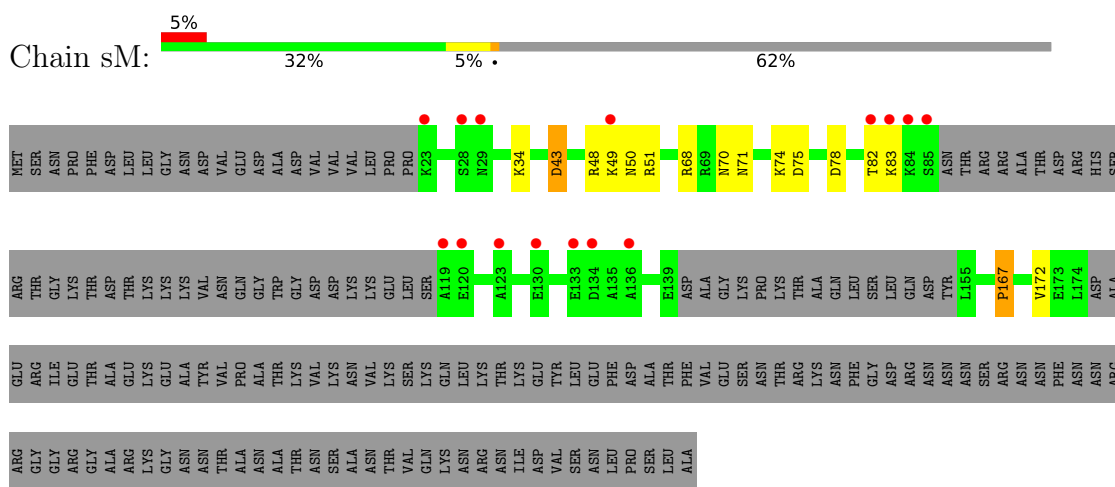
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A1545	G1480	G1416	U1353	U1290	C1038	A978	U918	U858	A793	U728
G1546	G1481	G1417	G1354	G1291	A1039	A979	A919	G859	U794	G729
A1547	C1482	G1418	G1355	U1292	G1040	G980	U920	U860	U795	G730
G1548	A1483	G1419	U1356	U1293	G1041	G981	U921	U861	A796	A734
C1549	G1484	C1420	U1357	G1294	G1042	U982	G922	U862	C797	A735
A1550	A1421	A1421	A1358	G1295	G1043	A983	A923	A863	C798	C736
G1551	G1486	A1422	G1359	A1296	U1044	G984	A924	U864	U799	A737
A1552	A1487	U1423	A1360	U1297	C1045	G985	G925	U865	U800	G738
G1553	G1488	A1424	A1361	G1298	G1046	G986	A926	A865	G801	G738
A1554	U1489	A1425	U1362	G1299	G1047	G987	C927	C802	C803	C741
A1555	C1490	C1426	U1363	A1300	G1048	A988	U928	A803	G804	U742
A1556	U1491	A1427	U1364	U1301	U1049	U989	A929	A804	U743	U743
U1557	A1492	G1428	G1364	U1302	G1050	C990	A930	C870	U805	U744
A1558	A1493	U1429	A1365	G1303	G1111	C991	C931	G871	A806	U745
A1559	C1494	U1430	U1366	U1304	U1052	A992	U932	G872	U807	U745
G1560	C1495	C1431	G1367	U1305	G1053	A993	A933	U873	U808	U745
G1562	U1496	U1432	U1368	U1306	U1054	G994	C934	C874	U809	U748
C1563	U1497	G1433	U1369	C1306	U1055	A995	U935	C875	U810	U749
U1564	G1498	A1434	U1370	C1309	U1056	A996	U936	G876	G811	U750
C1565	A1499	U1437	A1371	U1310	U1057	G997	C937	G877	G751	G751
U1566	G1438	U1437	U1372	U1311	U1058	A998	G938	G878	A812	A754
U1567	C1373	A1438	C1373	U1312	U1059	A999	A939	C879	A813	A754
C1568	U1439	C1439	G1374	A1313	U1060	C1000	A940	C880	A814	A755
A1569	C1440	C1440	A1375	U1314	A1061	A1001	A941	A881	G815	A756
A1570	U1505	U1441	C1376	U1315	A1062	G1002	G942	U882	G816	A756
U1571	G1442	C1441	U1377	U1316	U1063	A1003	C943	C883	A817	A757
C1572	U1443	U1443	U1378	C1317	U1064	U1004	A944	C884	C818	A757
A1573	C1439	A1444	C1379	G1318	A1065	A1005	U945	A885	U759	U759
G1574	A1445	A1444	U1380	U1319	U1066	C1006	U946	U886	U820	A760
G1575	A1446	A1446	U1381	A1320	C1067	C1007	U947	U887	U821	G761
U1576	C1447	C1447	A1382	U1321	C1068	C1008	G948	U888	U822	A762
A1577	U1448	U1448	G1383	A1322	A1069	U1009	G949	U889	G823	G763
U1578	A1516	U1449	C1384	C1323	U1070	C1010	C950	C890	U824	U764
U1579	U1450	U1450	G1385	G1324	U1071	G1011	A951	A891	U825	G765
C1580	C1451	C1451	G1385	U1325	U1072	U1012	A952	A892	U826	U766
C1581	G1455	G1455	A1388	A1326	C1073	A1013	G953	U893	C827	U767
U1582	C1456	C1456	C1389	U1327	C1074	U1014	G954	U894	U828	C768
A1583	U1520	C1457	U1390	G1328	U1075	U1015	A955	G895	A829	A769
U1584	G1457	C1457	G1391	U1329	A1076	C1016	C956	U896	U830	A770
U1585	C1458	G1458	G1392	G1330	C1077	U1017	G957	C897	U831	A771
A1586	A1524	A1459	U1393	C1331	C1078	U1018	U958	A898	U832	G772
A1525	U1460	C1461	U1394	G1332	U1079	A1019	U959	C899	C773	C773
U1526	C1461	C1461	C1395	U1333	U1080	A1020	U960	U835	U774	A774
C1527	G1462	G1462	C1399	C1334	A1081	C1021	U961	U836	G775	G775
U1528	C1463	C1463	U1400	U1335	C1082	C1022	C962	G902	G776	G776
C1529	G1464	G1464	A1401	A1336	G1083	A1023	A963	G837	C777	C777
C1530	C1465	C1465	A1402	A1337	U1084	U1024	U964	G838	G778	G778
G1531	G1466	G1466	C1403	C1338	G1085	A1025	U965	G904	U779	U779
U1595	C1467	C1467	C1404	G1339	A1086	A1026	U966	A906	A780	A780
C1596	U1468	U1468	G1405	U1340	A1087	A1027	A967	A907	U781	U781
A1597	A1471	A1471	A1406	U1341	A1088	C1028	U968	U908	U782	U782
U1598	C1472	C1472	U1407	C1342	U1089	U1029	U969	U909	G783	G783
C1599	U1473	U1473	G1408	G1281	U1090	C1030	A970	C910	C784	C784
A1600	G1474	G1474	G1409	U1214	C1090	U1031	A971	U911	U785	U785
G1601	A1410	A1410	A1345	C1284	A1091	A1032	G972	U912	G786	G786
C1602	U1411	U1411	U1346	U1285	A1092	A1033	A973	G913	A787	A787
U1603	G1412	G1412	A1347	U1286	A1093	C1034	A974	G914	A788	A788
G1604	U1413	U1413	A1348	A1287	U1095	G1035	C975	A915	U790	U790



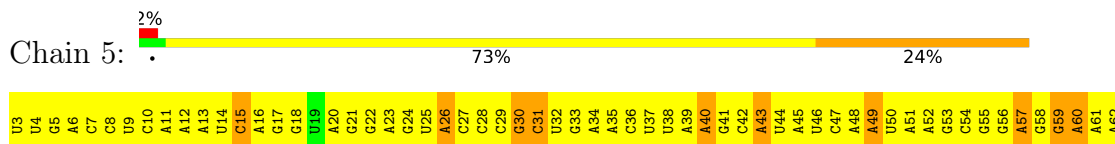
• Molecule 81: Guanine nucleotide-binding protein subunit beta-like protein



• Molecule 82: Suppressor protein STM1



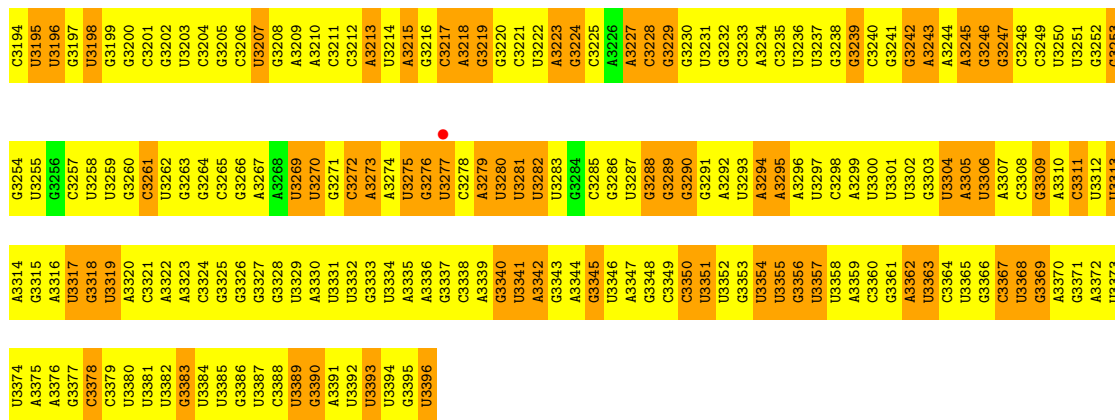
• Molecule 83: 25S ribosomal RNA



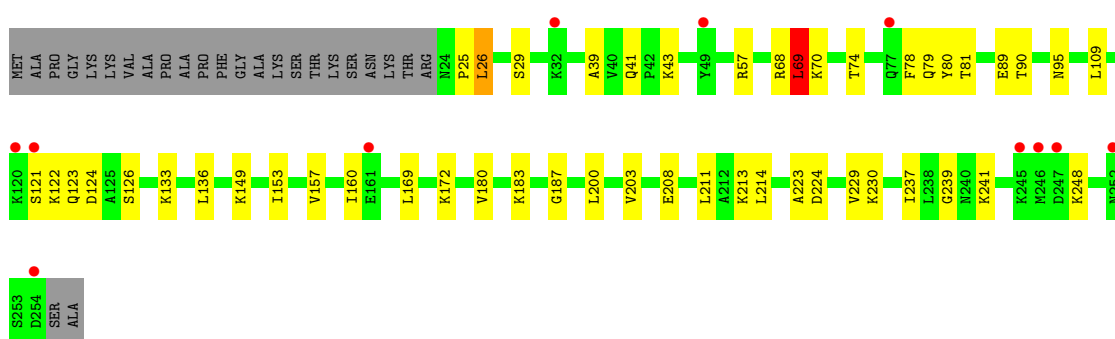
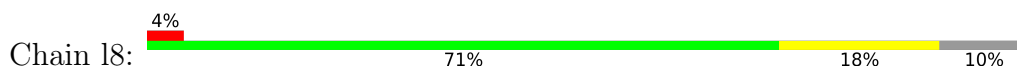
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U1074	A65
A1075	G66
C1076	A67
U1077	G68
U1078	C69
A1079	A70
A1080	A71
U1081	C72
U1082	C73
G1083	G74
A1084	G75
A1085	G76
C1086	A77
G1087	A78
U1088	U138
G1089	G139
U1090	C140
A1091	C81
C1092	C82
A1093	G83
U1094	U84
U1095	A85
U1096	G86
G1097	U87
A1098	A88
A1099	A89
U1100	C90
G1101	G91
U1102	G92
A1103	C93
G1104	G94
U1105	A95
C1106	G96
U1107	U97
U1108	G98
U1109	A99
U1110	A100
U1111	G101
A1112	G102
G1113	G103
U1114	G104
G1115	C105
G1116	A106
C1117	A107
U1118	A108
C1119	A109
A1120	G110
U1121	C111
U1122	G112
U1123	C113
U1124	A114
U1125	C115
G1126	G116
C1127	U117
U1128	U118
A1129	C119
U1130	G120
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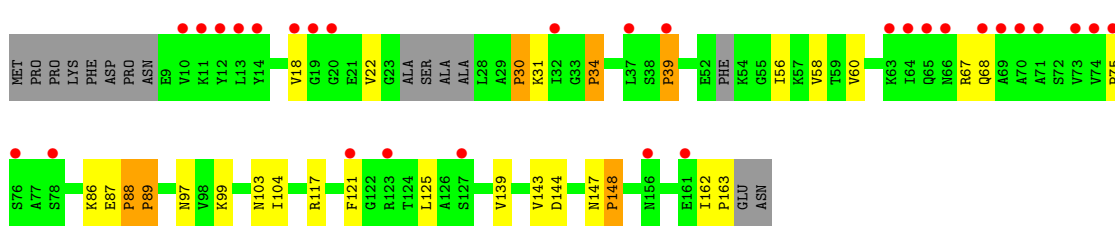
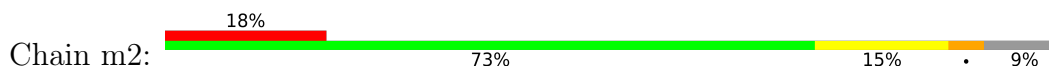
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U3171	U3111	U3051	A2991	C2931	G2811	G2751	U2751	A2691	U2631	U2571	U2509	C2331	A2271	U2211
A3172	G3112	G3052	U2992	U2932	A2812	U2752	U2752	A2692	G2632	C2572	U2610	A2332	G2272	C2212
G3173	A3113	C3053	C2993	A2933	U2813	G2753	G2753	C2693	U2633	G2573	A2611	C2333	G2273	A2213
A3174	A3114	U3054	A2994	A2934	G2814	G2754	U2754	A2694	U2634	G2574	C2612	U2334	U2274	A2214
U3175	C3115	U3055	A2995	U2935	G2815	G2755	U2755	A2695	A2635	G2575	U2613	G2335	A2275	A2215
G3176	G3116	U3056	U2996	A2936	C2816	U2756	U2756	A2696	A2636	G2576	U2614	U2336	G2276	G2216
C3177	C3117	U3057	G2997	C2937	G2817	U2757	U2757	A2697	A2637	C2577	A2615	C2337	C2277	U2217
A3178	C3118	U3058	U2998	G2938	G2818	A2758	U2758	G2698	C2638	U2578	U2616	C2338	C2278	G2218
U3179	U3119	G3059	U2999	G2939	A2819	U2759	U2759	G2699	C2639	U2579	U2617	C2339	A2279	A2219
A3180	C3120	A3060	A2999	A2940	U2820	C2760	U2760	G2700	A2640	C2580	U2618	U2340	A2280	A2220
C3181	U3121	G3061	C3001	A2941	C2821	U2761	U2761	G2701	U2641	U2581	A2619	A2341	A2281	G2221
G3182	A3122	C3062	C3002	C2942	U2822	A2762	U2762	A2702	A2642	C2582	U2620	U2342	U2282	A2222
A3183	G3123	C3063	G3003	G2943	G2823	U2763	U2763	A2703	A2643	C2583	U2621	C2343	G2283	A2223
C3184	C3124	U3064	C3004	U2944	C2824	U2764	U2764	A2704	A2644	G2584	A2622	U2344	C2284	A2224
U3185	U3125	G3065	A3005	C2945	C2825	C2765	U2765	A2705	C2645	G2585	A2623	C2405	C2285	U2225
A3186	C3126	U3066	A3006	A2946	U2826	U2766	U2766	G2706	C2646	G2586	U2624	C2346	U2286	U2226
C3187	A3127	C3067	U3007	G2947	U2827	U2767	U2767	C2707	A2647	U2587	G2525	U2347	C2287	G2227
G3188	G3128	U3068	A3008	U2948	U2828	U2768	U2768	G2708	C2648	U2588	U2625	U2348	G2288	A2228
A3189	C3129	G3069	G3009	U2949	C2829	U2769	U2769	C2709	A2649	G2589	G2527	U2349	U2289	A2229
C3190	A3130	U3070	U3010	G2950	A2830	G2770	U2770	C2710	U2650	A2590	U2628	C2350	C2290	G2230
U3191	U3131	C3071	A3011	G2951	U2831	U2771	U2771	C2711	G2651	A2591	A2629	U2351	A2291	C2231
C3192	C3132	U3072	C3012	G2952	A2832	U2772	U2772	U2712	U2652	G2592	G2529	G2352	U2292	A2232
C3193	C3133	A3073	U3013	U2953	C2833	C2773	U2773	U2713	C2653	A2593	G2531	G2353	C2293	A2233



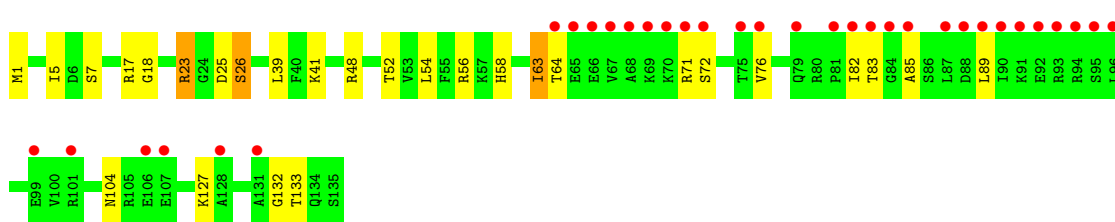
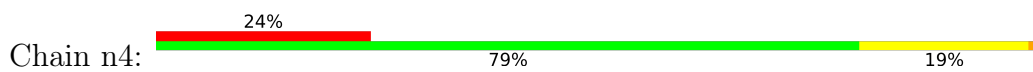
• Molecule 84: 60S ribosomal protein L8-A



• Molecule 85: 60S ribosomal protein L12-A



• Molecule 86: 60S ribosomal protein L24-A



• Molecule 87: 60S acidic ribosomal protein P0

4 Data and refinement statistics

Property	Value	Source
Space group	P 1 21 1	Depositor
Cell constants a, b, c, α , β , γ	434.73Å 286.77Å 303.15Å 90.00° 98.87° 90.00°	Depositor
Resolution (Å)	148.72 – 3.50 149.76 – 3.50	Depositor EDS
% Data completeness (in resolution range)	99.8 (148.72-3.50) 99.7 (149.76-3.50)	Depositor EDS
R_{merge}	0.61	Depositor
R_{sym}	(Not available)	Depositor
$\langle I/\sigma(I) \rangle$ ¹	1.34 (at 3.49Å)	Xtriage
Refinement program	PHENIX 1.10.1_2155	Depositor
R, R_{free}	0.261 , 0.312 0.263 , 0.314	Depositor DCC
R_{free} test set	18373 reflections (2.00%)	wwPDB-VP
Wilson B-factor (Å ²)	83.6	Xtriage
Anisotropy	0.146	Xtriage
Bulk solvent k_{sol} (e/Å ³), B_{sol} (Å ²)	(Not available) , (Not available)	EDS
L-test for twinning ²	$\langle L \rangle = 0.44$, $\langle L^2 \rangle = 0.26$	Xtriage
Estimated twinning fraction	No twinning to report.	Xtriage
F_o, F_c correlation	0.84	EDS
Total number of atoms	411566	wwPDB-VP
Average B, all atoms (Å ²)	64.0	wwPDB-VP

Xtriage's analysis on translational NCS is as follows: *The largest off-origin peak in the Patterson function is 1.58% of the height of the origin peak. No significant pseudotranslation is detected.*

¹Intensities estimated from amplitudes.

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

5 Model quality i

5.1 Standard geometry i

Bond lengths and bond angles in the following residue types are not validated in this section: ZN, OHX, SPS, MG, 8AN

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	2	1.53	426/42467 (1.0%)	2.41	4031/66169 (6.1%)
2	S0	0.67	0/1617	0.76	0/2215
2	s0	0.78	0/1623	0.86	1/2222 (0.0%)
3	S1	0.59	0/1735	0.75	1/2335 (0.0%)
3	s1	0.82	2/1748 (0.1%)	0.95	5/2352 (0.2%)
4	S2	0.73	0/1665	0.81	0/2263
4	s2	0.86	2/1665 (0.1%)	0.96	4/2263 (0.2%)
5	S3	0.68	0/1759	0.78	0/2368
5	s3	0.70	0/1759	0.79	0/2368
6	S4	0.85	2/2109 (0.1%)	0.91	2/2839 (0.1%)
6	s4	0.84	1/2109 (0.0%)	0.98	1/2839 (0.0%)
7	S5	0.66	0/1629	0.76	0/2202
7	s5	0.65	1/1629 (0.1%)	0.76	1/2202 (0.0%)
8	S6	0.84	3/1823 (0.2%)	0.92	5/2439 (0.2%)
8	s6	0.93	1/1779 (0.1%)	1.01	6/2379 (0.3%)
9	S7	0.73	2/1506 (0.1%)	0.79	0/2028
9	s7	0.78	0/1516	0.85	2/2043 (0.1%)
10	S8	0.79	1/1514 (0.1%)	0.90	2/2021 (0.1%)
10	s8	0.94	2/1514 (0.1%)	1.00	5/2021 (0.2%)
11	S9	0.75	2/1519 (0.1%)	0.88	1/2035 (0.0%)
11	s9	0.84	1/1519 (0.1%)	0.97	4/2035 (0.2%)
12	C0	0.60	0/789	0.74	1/1067 (0.1%)
12	c0	0.58	0/776	0.72	3/1047 (0.3%)
13	C1	0.85	1/1239 (0.1%)	0.84	0/1673
13	c1	0.95	1/1194 (0.1%)	0.96	1/1610 (0.1%)
14	C2	0.59	0/898	0.71	0/1220
14	c2	0.48	0/898	0.63	0/1220
15	C3	0.75	0/1215	0.86	1/1638 (0.1%)
15	c3	0.86	1/1215 (0.1%)	0.93	0/1638
16	C4	0.59	0/901	0.75	0/1217
16	c4	0.85	0/960	0.97	0/1290
17	C5	0.85	2/998 (0.2%)	0.85	0/1341

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	# Z >5	RMSZ	# Z >5
17	c5	0.75	0/1060	0.86	1/1426 (0.1%)
18	C6	0.65	0/1125	0.80	2/1510 (0.1%)
18	c6	0.69	0/1131	0.74	0/1518
19	C7	0.66	0/935	0.76	0/1254
19	c7	0.69	0/914	0.83	1/1224 (0.1%)
20	C8	0.70	0/1211	0.82	0/1628
20	c8	0.76	1/1211 (0.1%)	0.87	0/1628
21	C9	0.66	0/1130	0.75	0/1517
21	c9	0.70	0/1130	0.79	1/1517 (0.1%)
22	D0	0.64	0/865	0.80	1/1169 (0.1%)
22	d0	0.72	0/892	0.75	0/1205
23	D1	0.72	0/693	0.83	0/935
23	d1	0.87	0/693	0.96	1/935 (0.1%)
24	D2	0.81	0/1038	0.90	2/1395 (0.1%)
24	d2	0.90	2/1038 (0.2%)	0.95	2/1395 (0.1%)
25	D3	0.85	1/1139 (0.1%)	0.90	1/1518 (0.1%)
25	d3	1.05	1/1139 (0.1%)	1.07	4/1518 (0.3%)
26	D4	0.79	0/1087	0.85	0/1449
26	d4	0.93	0/1087	1.04	5/1449 (0.3%)
27	D5	0.66	0/571	0.78	0/768
27	d5	0.78	1/566 (0.2%)	0.76	0/761
28	D6	0.68	0/782	0.78	1/1047 (0.1%)
28	d6	0.84	2/782 (0.3%)	0.99	1/1047 (0.1%)
29	D7	0.76	0/620	0.80	0/838
29	d7	0.82	2/620 (0.3%)	0.89	0/838
30	D8	0.69	0/499	0.82	1/670 (0.1%)
30	d8	0.69	0/499	0.91	0/670
31	D9	0.76	1/452 (0.2%)	0.80	0/600
31	d9	0.78	1/452 (0.2%)	0.80	0/600
32	E0	0.74	0/483	0.78	0/643
32	e0	0.94	1/499 (0.2%)	0.94	1/665 (0.2%)
33	E1	0.72	0/577	0.80	0/770
33	e1	0.66	0/619	0.77	0/822
34	SR	0.57	0/2490	0.71	0/3389
35	SM	0.76	1/984 (0.1%)	0.86	1/1323 (0.1%)
36	1	2.49	4418/75394 (5.9%)	3.49	15681/117545 (13.3%)
37	3	2.00	80/2883 (2.8%)	3.26	543/4491 (12.1%)
37	7	2.57	171/2883 (5.9%)	3.80	680/4491 (15.1%)
38	4	2.46	206/3746 (5.5%)	3.78	898/5832 (15.4%)
38	8	2.34	182/3746 (4.9%)	3.37	707/5832 (12.1%)
39	L2	1.18	7/1948 (0.4%)	1.22	16/2617 (0.6%)
39	l2	1.09	6/1946 (0.3%)	1.23	16/2614 (0.6%)
40	L3	1.18	16/3146 (0.5%)	1.19	19/4228 (0.4%)

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	# Z >5	RMSZ	# Z >5
40	l3	1.33	19/3146 (0.6%)	1.32	33/4228 (0.8%)
41	L4	1.29	18/2800 (0.6%)	1.30	28/3790 (0.7%)
41	l4	1.26	14/2800 (0.5%)	1.22	18/3790 (0.5%)
42	L5	1.02	5/2425 (0.2%)	1.04	10/3271 (0.3%)
42	l5	1.23	14/2408 (0.6%)	1.22	17/3248 (0.5%)
43	L6	1.21	2/1260 (0.2%)	1.15	3/1694 (0.2%)
43	l6	1.16	4/1269 (0.3%)	1.26	12/1705 (0.7%)
44	L7	1.32	12/1821 (0.7%)	1.23	14/2451 (0.6%)
44	l7	1.44	19/1828 (1.0%)	1.23	15/2461 (0.6%)
45	L8	0.98	2/1836 (0.1%)	0.99	3/2481 (0.1%)
46	L9	1.10	6/1539 (0.4%)	1.11	10/2073 (0.5%)
46	l9	1.19	4/1539 (0.3%)	1.21	13/2073 (0.6%)
47	M0	1.15	9/1741 (0.5%)	1.18	14/2335 (0.6%)
47	m0	1.24	5/1758 (0.3%)	1.37	21/2358 (0.9%)
48	M1	0.93	3/1374 (0.2%)	0.97	2/1842 (0.1%)
48	m1	1.05	4/1374 (0.3%)	1.17	10/1842 (0.5%)
49	M3	1.20	10/1568 (0.6%)	1.23	13/2106 (0.6%)
49	m3	1.05	3/1573 (0.2%)	1.20	13/2113 (0.6%)
50	M4	1.11	5/1068 (0.5%)	1.15	6/1438 (0.4%)
50	m4	1.21	7/1074 (0.7%)	1.27	10/1446 (0.7%)
51	M5	1.19	7/1757 (0.4%)	1.28	19/2354 (0.8%)
51	m5	1.10	5/1757 (0.3%)	1.16	10/2354 (0.4%)
52	M6	1.40	18/1585 (1.1%)	1.37	22/2128 (1.0%)
52	m6	1.50	13/1585 (0.8%)	1.35	22/2128 (1.0%)
53	M7	1.29	4/1443 (0.3%)	1.14	10/1944 (0.5%)
53	m7	1.47	17/1250 (1.4%)	1.29	13/1683 (0.8%)
54	M8	1.26	11/1465 (0.8%)	1.22	11/1965 (0.6%)
54	m8	1.23	10/1465 (0.7%)	1.30	11/1965 (0.6%)
55	M9	0.93	0/1538	0.98	2/2050 (0.1%)
55	m9	0.96	2/1538 (0.1%)	1.05	8/2050 (0.4%)
56	N0	1.20	4/1481 (0.3%)	1.15	6/1990 (0.3%)
56	n0	1.35	11/1481 (0.7%)	1.23	9/1990 (0.5%)
57	N1	1.16	3/1300 (0.2%)	1.13	5/1743 (0.3%)
57	n1	1.32	10/1300 (0.8%)	1.20	10/1743 (0.6%)
58	N2	0.95	0/812	0.90	1/1099 (0.1%)
58	n2	0.94	0/794	1.00	2/1076 (0.2%)
59	N3	1.16	5/1018 (0.5%)	1.21	8/1369 (0.6%)
59	n3	1.39	11/1018 (1.1%)	1.34	13/1369 (0.9%)
60	N4	0.94	1/712 (0.1%)	0.97	3/958 (0.3%)
61	N5	1.14	3/979 (0.3%)	1.16	7/1321 (0.5%)
61	n5	1.11	4/974 (0.4%)	1.19	4/1314 (0.3%)
62	N6	1.17	7/1004 (0.7%)	1.33	12/1341 (0.9%)
62	n6	1.17	5/1004 (0.5%)	1.34	15/1341 (1.1%)

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	# Z >5	RMSZ	# Z >5
63	N7	0.91	0/1118	0.91	1/1497 (0.1%)
63	n7	0.96	2/1118 (0.2%)	0.95	3/1497 (0.2%)
64	N8	1.22	4/1204 (0.3%)	1.24	11/1612 (0.7%)
64	n8	1.25	10/1204 (0.8%)	1.26	10/1612 (0.6%)
65	N9	1.08	1/473 (0.2%)	1.14	2/629 (0.3%)
65	n9	1.17	2/473 (0.4%)	1.16	2/629 (0.3%)
66	O0	0.81	0/751	0.91	0/1008
66	o0	0.94	1/775 (0.1%)	0.99	2/1040 (0.2%)
67	O1	1.07	3/890 (0.3%)	1.07	4/1196 (0.3%)
67	o1	1.23	5/897 (0.6%)	1.22	5/1205 (0.4%)
68	O2	1.40	13/1041 (1.2%)	1.34	14/1394 (1.0%)
68	o2	1.24	6/1041 (0.6%)	1.33	11/1394 (0.8%)
69	O3	1.50	10/868 (1.2%)	1.22	7/1168 (0.6%)
69	o3	1.54	13/868 (1.5%)	1.32	7/1168 (0.6%)
70	O4	1.01	1/890 (0.1%)	1.14	7/1189 (0.6%)
70	o4	1.03	2/890 (0.2%)	1.11	6/1189 (0.5%)
71	O5	1.18	5/978 (0.5%)	1.26	11/1301 (0.8%)
71	o5	0.96	2/974 (0.2%)	1.13	6/1297 (0.5%)
72	O6	0.99	0/778	1.15	3/1034 (0.3%)
72	o6	1.03	2/777 (0.3%)	1.16	3/1033 (0.3%)
73	O7	1.30	2/696 (0.3%)	1.29	7/923 (0.8%)
73	o7	1.25	4/696 (0.6%)	1.16	3/923 (0.3%)
74	O8	0.96	2/618 (0.3%)	1.08	3/826 (0.4%)
74	o8	0.83	0/614	1.01	3/822 (0.4%)
75	O9	1.09	1/443 (0.2%)	1.31	7/588 (1.2%)
75	o9	1.02	0/443	1.26	6/588 (1.0%)
76	Q0	1.15	3/423 (0.7%)	1.21	4/562 (0.7%)
76	q0	1.33	6/423 (1.4%)	1.22	3/562 (0.5%)
77	Q1	0.79	0/234	1.15	3/300 (1.0%)
77	q1	0.96	0/234	1.40	2/300 (0.7%)
78	Q2	1.22	3/860 (0.3%)	1.23	7/1136 (0.6%)
78	q2	1.32	4/860 (0.5%)	1.33	9/1136 (0.8%)
79	Q3	1.26	9/701 (1.3%)	1.31	7/934 (0.7%)
79	q3	1.22	6/701 (0.9%)	1.10	3/934 (0.3%)
80	6	1.94	1088/42790 (2.5%)	2.88	5446/66673 (8.2%)
81	sR	0.61	0/2495	0.72	0/3395
82	sM	0.78	1/683 (0.1%)	0.84	1/923 (0.1%)
83	5	2.61	4902/75414 (6.5%)	3.71	16861/117575 (14.3%)
84	l8	0.92	1/1795 (0.1%)	0.94	3/2429 (0.1%)
85	m2	0.57	0/734	0.90	8/1015 (0.8%)
86	n4	1.08	0/1052	1.10	7/1398 (0.5%)
87	p0	0.79	0/1092	0.82	2/1474 (0.1%)
88	p1	0.38	0/231	0.72	2/320 (0.6%)

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	# Z >5	RMSZ	# Z >5
88	p2	0.39	0/227	0.73	2/315 (0.6%)
89	P	2.37	2/40 (5.0%)	4.21	9/60 (15.0%)
89	p	13.84	3/43 (7.0%)	5.74	11/64 (17.2%)
All	All	1.87	11986/432003 (2.8%)	2.67	45685/634177 (7.2%)

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
6	S4	0	2
9	s7	0	1
11	S9	0	1
12	c0	0	1
17	c5	0	1
19	C7	0	1
22	d0	0	1
25	d3	0	1
27	D5	0	1
33	E1	0	2
39	L2	0	1
40	L3	0	1
40	l3	0	1
41	L4	0	2
41	l4	0	1
42	l5	0	2
44	L7	0	1
44	l7	0	2
47	M0	0	1
49	m3	0	1
52	M6	0	1
52	m6	0	1
53	M7	0	2
56	n0	0	2
57	N1	0	1
64	n8	0	1
65	N9	0	1
65	n9	0	1
68	o2	0	1
75	o9	0	1
80	6	0	1

Continued on next page...

Continued from previous page...

Mol	Chain	#Chirality outliers	#Planarity outliers
83	5	0	1
All	All	0	39

The worst 5 of 11986 bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
89	p	74	C	P-O5'	89.50	2.49	1.59
37	7	63	A	C6-N6	27.75	1.56	1.33
80	6	1498	G	C8-N7	24.00	1.45	1.30
83	5	748	U	C4-O4	23.12	1.42	1.23
80	6	54	C	C4-N4	22.95	1.54	1.33

The worst 5 of 45685 bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
83	5	2707	C	N3-C4-C5	-50.63	101.65	121.90
80	6	54	C	N3-C4-C5	-49.41	102.13	121.90
80	6	1070	C	N3-C4-C5	-42.39	104.94	121.90
80	6	818	C	N3-C4-C5	-42.29	104.98	121.90
80	6	1498	G	C5-N7-C8	-42.11	83.24	104.30

There are no chirality outliers.

5 of 39 planarity outliers are listed below:

Mol	Chain	Res	Type	Group
19	C7	85	VAL	Peptide
27	D5	94	LYS	Peptide
6	S4	148	ARG	Peptide
6	S4	193	GLY	Peptide
11	S9	38	ASN	Peptide

5.2 Too-close contacts

Due to software issues we are unable to calculate clashes - this section is therefore empty.

5.3 Torsion angles [i](#)

5.3.1 Protein backbone [i](#)

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

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

Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
2	S0	204/206 (99%)	151 (74%)	38 (19%)	15 (7%)	1	11
2	s0	204/206 (99%)	151 (74%)	34 (17%)	19 (9%)	0	8
3	S1	212/216 (98%)	154 (73%)	34 (16%)	24 (11%)	0	6
3	s1	214/216 (99%)	166 (78%)	32 (15%)	16 (8%)	1	11
4	S2	215/217 (99%)	182 (85%)	24 (11%)	9 (4%)	3	23
4	s2	215/217 (99%)	172 (80%)	34 (16%)	9 (4%)	3	23
5	S3	221/223 (99%)	186 (84%)	24 (11%)	11 (5%)	2	19
5	s3	221/223 (99%)	176 (80%)	30 (14%)	15 (7%)	1	13
6	S4	258/260 (99%)	197 (76%)	45 (17%)	16 (6%)	1	15
6	s4	258/260 (99%)	197 (76%)	42 (16%)	19 (7%)	1	11
7	S5	204/206 (99%)	169 (83%)	20 (10%)	15 (7%)	1	11
7	s5	204/206 (99%)	159 (78%)	35 (17%)	10 (5%)	2	19
8	S6	224/226 (99%)	186 (83%)	23 (10%)	15 (7%)	1	13
8	s6	216/226 (96%)	182 (84%)	22 (10%)	12 (6%)	2	17
9	S7	182/186 (98%)	134 (74%)	36 (20%)	12 (7%)	1	13
9	s7	184/186 (99%)	143 (78%)	28 (15%)	13 (7%)	1	12
10	S8	184/199 (92%)	150 (82%)	25 (14%)	9 (5%)	2	19
10	s8	184/199 (92%)	156 (85%)	23 (12%)	5 (3%)	5	33
11	S9	183/185 (99%)	143 (78%)	33 (18%)	7 (4%)	3	25
11	s9	183/185 (99%)	149 (81%)	26 (14%)	8 (4%)	2	21
12	C0	94/105 (90%)	72 (77%)	15 (16%)	7 (7%)	1	11
12	c0	92/105 (88%)	68 (74%)	10 (11%)	14 (15%)	0	3
13	C1	153/156 (98%)	117 (76%)	31 (20%)	5 (3%)	4	28
13	c1	144/156 (92%)	115 (80%)	25 (17%)	4 (3%)	5	32
14	C2	122/143 (85%)	77 (63%)	28 (23%)	17 (14%)	0	3

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
14	c2	122/143 (85%)	78 (64%)	31 (25%)	13 (11%)	0	6
15	C3	148/150 (99%)	125 (84%)	17 (12%)	6 (4%)	3	23
15	c3	148/150 (99%)	122 (82%)	18 (12%)	8 (5%)	2	17
16	C4	125/128 (98%)	90 (72%)	23 (18%)	12 (10%)	0	8
16	c4	126/128 (98%)	101 (80%)	15 (12%)	10 (8%)	1	10
17	C5	122/142 (86%)	90 (74%)	21 (17%)	11 (9%)	1	8
17	c5	133/142 (94%)	92 (69%)	26 (20%)	15 (11%)	0	6
18	C6	139/142 (98%)	115 (83%)	13 (9%)	11 (8%)	1	10
18	c6	140/142 (99%)	121 (86%)	15 (11%)	4 (3%)	4	31
19	C7	116/125 (93%)	90 (78%)	16 (14%)	10 (9%)	1	9
19	c7	113/125 (90%)	87 (77%)	19 (17%)	7 (6%)	1	15
20	C8	143/145 (99%)	113 (79%)	22 (15%)	8 (6%)	2	17
20	c8	143/145 (99%)	113 (79%)	19 (13%)	11 (8%)	1	10
21	C9	141/143 (99%)	121 (86%)	10 (7%)	10 (7%)	1	12
21	c9	141/143 (99%)	124 (88%)	13 (9%)	4 (3%)	5	32
22	D0	105/110 (96%)	89 (85%)	13 (12%)	3 (3%)	4	31
22	d0	108/110 (98%)	86 (80%)	15 (14%)	7 (6%)	1	14
23	D1	85/87 (98%)	62 (73%)	11 (13%)	12 (14%)	0	3
23	d1	85/87 (98%)	64 (75%)	13 (15%)	8 (9%)	0	8
24	D2	127/129 (98%)	109 (86%)	14 (11%)	4 (3%)	4	30
24	d2	127/129 (98%)	105 (83%)	19 (15%)	3 (2%)	6	35
25	D3	142/144 (99%)	109 (77%)	26 (18%)	7 (5%)	2	19
25	d3	142/144 (99%)	116 (82%)	23 (16%)	3 (2%)	7	38
26	D4	132/134 (98%)	103 (78%)	20 (15%)	9 (7%)	1	13
26	d4	132/134 (98%)	109 (83%)	14 (11%)	9 (7%)	1	13
27	D5	68/70 (97%)	46 (68%)	13 (19%)	9 (13%)	0	4
27	d5	67/70 (96%)	53 (79%)	10 (15%)	4 (6%)	1	15
28	D6	95/97 (98%)	53 (56%)	26 (27%)	16 (17%)	0	2
28	d6	95/97 (98%)	75 (79%)	13 (14%)	7 (7%)	1	11
29	D7	79/81 (98%)	59 (75%)	20 (25%)	0	100	100
29	d7	79/81 (98%)	58 (73%)	18 (23%)	3 (4%)	3	25

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
30	D8	61/63 (97%)	49 (80%)	9 (15%)	3 (5%)	2	19
30	d8	61/63 (97%)	45 (74%)	14 (23%)	2 (3%)	4	28
31	D9	51/53 (96%)	40 (78%)	9 (18%)	2 (4%)	3	25
31	d9	51/53 (96%)	42 (82%)	2 (4%)	7 (14%)	0	4
32	E0	58/62 (94%)	46 (79%)	8 (14%)	4 (7%)	1	12
32	e0	60/62 (97%)	46 (77%)	11 (18%)	3 (5%)	2	19
33	E1	69/76 (91%)	38 (55%)	22 (32%)	9 (13%)	0	4
33	e1	74/76 (97%)	36 (49%)	19 (26%)	19 (26%)	0	0
34	SR	316/318 (99%)	262 (83%)	41 (13%)	13 (4%)	3	23
35	SM	131/299 (44%)	101 (77%)	17 (13%)	13 (10%)	0	7
39	L2	250/252 (99%)	218 (87%)	25 (10%)	7 (3%)	5	32
39	l2	250/252 (99%)	200 (80%)	32 (13%)	18 (7%)	1	11
40	L3	384/386 (100%)	323 (84%)	44 (12%)	17 (4%)	2	21
40	l3	384/386 (100%)	329 (86%)	36 (9%)	19 (5%)	2	19
41	L4	359/361 (99%)	288 (80%)	44 (12%)	27 (8%)	1	11
41	l4	359/361 (99%)	284 (79%)	48 (13%)	27 (8%)	1	11
42	L5	294/296 (99%)	232 (79%)	43 (15%)	19 (6%)	1	14
42	l5	292/296 (99%)	236 (81%)	41 (14%)	15 (5%)	2	19
43	L6	152/175 (87%)	130 (86%)	19 (12%)	3 (2%)	7	39
43	l6	153/175 (87%)	128 (84%)	22 (14%)	3 (2%)	7	39
44	L7	220/223 (99%)	184 (84%)	27 (12%)	9 (4%)	3	23
44	l7	221/223 (99%)	185 (84%)	30 (14%)	6 (3%)	5	33
45	L8	231/233 (99%)	180 (78%)	34 (15%)	17 (7%)	1	11
46	L9	189/191 (99%)	155 (82%)	22 (12%)	12 (6%)	1	14
46	l9	189/191 (99%)	161 (85%)	24 (13%)	4 (2%)	7	38
47	M0	207/220 (94%)	157 (76%)	39 (19%)	11 (5%)	2	17
47	m0	209/220 (95%)	162 (78%)	33 (16%)	14 (7%)	1	13
48	M1	167/169 (99%)	125 (75%)	22 (13%)	20 (12%)	0	5
48	m1	167/169 (99%)	132 (79%)	27 (16%)	8 (5%)	2	20
49	M3	191/194 (98%)	150 (78%)	31 (16%)	10 (5%)	2	18
49	m3	192/194 (99%)	150 (78%)	29 (15%)	13 (7%)	1	13

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
50	M4	134/137 (98%)	112 (84%)	15 (11%)	7 (5%)	2	18
50	m4	135/137 (98%)	107 (79%)	24 (18%)	4 (3%)	4	30
51	M5	201/203 (99%)	162 (81%)	33 (16%)	6 (3%)	4	30
51	m5	201/203 (99%)	164 (82%)	30 (15%)	7 (4%)	3	27
52	M6	195/197 (99%)	173 (89%)	19 (10%)	3 (2%)	10	45
52	m6	195/197 (99%)	176 (90%)	13 (7%)	6 (3%)	4	30
53	M7	181/183 (99%)	141 (78%)	29 (16%)	11 (6%)	1	15
53	m7	153/183 (84%)	128 (84%)	20 (13%)	5 (3%)	4	28
54	M8	183/185 (99%)	155 (85%)	22 (12%)	6 (3%)	4	28
54	m8	183/185 (99%)	152 (83%)	21 (12%)	10 (6%)	2	17
55	M9	186/188 (99%)	161 (87%)	19 (10%)	6 (3%)	4	29
55	m9	186/188 (99%)	163 (88%)	23 (12%)	0	100	100
56	N0	170/172 (99%)	139 (82%)	27 (16%)	4 (2%)	6	35
56	n0	170/172 (99%)	149 (88%)	20 (12%)	1 (1%)	25	64
57	N1	157/159 (99%)	129 (82%)	22 (14%)	6 (4%)	3	25
57	n1	157/159 (99%)	138 (88%)	15 (10%)	4 (2%)	5	34
58	N2	98/100 (98%)	72 (74%)	19 (19%)	7 (7%)	1	12
58	n2	96/100 (96%)	70 (73%)	23 (24%)	3 (3%)	4	30
59	N3	134/136 (98%)	108 (81%)	21 (16%)	5 (4%)	3	26
59	n3	134/136 (98%)	113 (84%)	19 (14%)	2 (2%)	10	45
60	N4	96/98 (98%)	75 (78%)	16 (17%)	5 (5%)	2	18
61	N5	119/121 (98%)	99 (83%)	17 (14%)	3 (2%)	5	34
61	n5	118/121 (98%)	90 (76%)	16 (14%)	12 (10%)	0	7
62	N6	124/126 (98%)	109 (88%)	12 (10%)	3 (2%)	6	35
62	n6	124/126 (98%)	104 (84%)	15 (12%)	5 (4%)	3	24
63	N7	133/135 (98%)	106 (80%)	17 (13%)	10 (8%)	1	11
63	n7	133/135 (98%)	93 (70%)	26 (20%)	14 (10%)	0	7
64	N8	146/148 (99%)	112 (77%)	28 (19%)	6 (4%)	3	23
64	n8	146/148 (99%)	118 (81%)	17 (12%)	11 (8%)	1	11
65	N9	56/58 (97%)	47 (84%)	8 (14%)	1 (2%)	8	41
65	n9	56/58 (97%)	39 (70%)	11 (20%)	6 (11%)	0	6

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
66	O0	95/100 (95%)	87 (92%)	7 (7%)	1 (1%)	14	52
66	o0	98/100 (98%)	83 (85%)	11 (11%)	4 (4%)	3	23
67	O1	107/109 (98%)	90 (84%)	10 (9%)	7 (6%)	1	14
67	o1	107/109 (98%)	84 (78%)	16 (15%)	7 (6%)	1	14
68	O2	125/127 (98%)	112 (90%)	11 (9%)	2 (2%)	9	43
68	o2	125/127 (98%)	100 (80%)	18 (14%)	7 (6%)	2	17
69	O3	104/106 (98%)	90 (86%)	8 (8%)	6 (6%)	1	16
69	o3	104/106 (98%)	92 (88%)	10 (10%)	2 (2%)	8	40
70	O4	110/112 (98%)	91 (83%)	17 (16%)	2 (2%)	8	41
70	o4	110/112 (98%)	92 (84%)	15 (14%)	3 (3%)	5	33
71	O5	117/119 (98%)	105 (90%)	9 (8%)	3 (3%)	5	33
71	o5	117/119 (98%)	93 (80%)	17 (14%)	7 (6%)	1	15
72	O6	97/99 (98%)	76 (78%)	11 (11%)	10 (10%)	0	7
72	o6	97/99 (98%)	84 (87%)	7 (7%)	6 (6%)	1	15
73	O7	85/87 (98%)	72 (85%)	10 (12%)	3 (4%)	3	27
73	o7	85/87 (98%)	66 (78%)	17 (20%)	2 (2%)	6	35
74	O8	75/77 (97%)	61 (81%)	11 (15%)	3 (4%)	3	24
74	o8	75/77 (97%)	59 (79%)	11 (15%)	5 (7%)	1	13
75	O9	48/50 (96%)	39 (81%)	8 (17%)	1 (2%)	7	38
75	o9	48/50 (96%)	43 (90%)	2 (4%)	3 (6%)	1	14
76	Q0	50/52 (96%)	41 (82%)	4 (8%)	5 (10%)	0	7
76	q0	50/52 (96%)	46 (92%)	3 (6%)	1 (2%)	7	39
77	Q1	23/25 (92%)	19 (83%)	4 (17%)	0	100	100
77	q1	23/25 (92%)	19 (83%)	4 (17%)	0	100	100
78	Q2	103/105 (98%)	76 (74%)	20 (19%)	7 (7%)	1	13
78	q2	103/105 (98%)	89 (86%)	9 (9%)	5 (5%)	2	19
79	Q3	89/91 (98%)	71 (80%)	16 (18%)	2 (2%)	6	37
79	q3	89/91 (98%)	70 (79%)	15 (17%)	4 (4%)	2	21
81	sR	316/318 (99%)	252 (80%)	51 (16%)	13 (4%)	3	23
82	sM	98/273 (36%)	72 (74%)	20 (20%)	6 (6%)	1	15
84	l8	229/256 (90%)	182 (80%)	29 (13%)	18 (8%)	1	10

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
85	m2	144/165 (87%)	79 (55%)	37 (26%)	28 (19%)	0	2
86	n4	133/135 (98%)	109 (82%)	12 (9%)	12 (9%)	1	8
87	p0	139/312 (45%)	115 (83%)	19 (14%)	5 (4%)	3	26
88	p1	45/128 (35%)	33 (73%)	7 (16%)	5 (11%)	0	6
88	p2	44/128 (34%)	35 (80%)	3 (7%)	6 (14%)	0	4
All	All	22542/23829 (95%)	18075 (80%)	3183 (14%)	1284 (6%)	1	16

5 of 1284 Ramachandran outliers are listed below:

Mol	Chain	Res	Type
2	S0	4	PRO
2	S0	39	ASN
2	S0	158	VAL
2	S0	191	ARG
2	S0	195	TRP

5.3.2 Protein sidechains [i](#)

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

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

Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
2	S0	164/173 (95%)	144 (88%)	20 (12%)	5	23
2	s0	165/173 (95%)	135 (82%)	30 (18%)	1	9
3	S1	191/192 (100%)	157 (82%)	34 (18%)	2	10
3	s1	192/192 (100%)	151 (79%)	41 (21%)	1	5
4	S2	176/176 (100%)	150 (85%)	26 (15%)	3	17
4	s2	176/176 (100%)	135 (77%)	41 (23%)	1	4
5	S3	182/182 (100%)	158 (87%)	24 (13%)	4	21
5	s3	182/182 (100%)	154 (85%)	28 (15%)	2	16
6	S4	221/221 (100%)	184 (83%)	37 (17%)	2	12
6	s4	221/221 (100%)	187 (85%)	34 (15%)	2	16
7	S5	173/173 (100%)	153 (88%)	20 (12%)	5	26

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
7	s5	173/173 (100%)	149 (86%)	24 (14%)	3	20
8	S6	188/193 (97%)	157 (84%)	31 (16%)	2	13
8	s6	187/193 (97%)	154 (82%)	33 (18%)	2	10
9	S7	165/166 (99%)	147 (89%)	18 (11%)	6	29
9	s7	165/166 (99%)	143 (87%)	22 (13%)	4	21
10	S8	150/160 (94%)	128 (85%)	22 (15%)	3	18
10	s8	150/160 (94%)	131 (87%)	19 (13%)	4	22
11	S9	158/158 (100%)	137 (87%)	21 (13%)	4	21
11	s9	158/158 (100%)	134 (85%)	24 (15%)	3	17
12	C0	77/98 (79%)	66 (86%)	11 (14%)	3	19
12	c0	73/98 (74%)	66 (90%)	7 (10%)	8	34
13	C1	129/137 (94%)	112 (87%)	17 (13%)	4	21
13	c1	129/137 (94%)	110 (85%)	19 (15%)	3	18
14	C2	88/119 (74%)	75 (85%)	13 (15%)	3	17
14	c2	88/119 (74%)	72 (82%)	16 (18%)	1	9
15	C3	127/127 (100%)	101 (80%)	26 (20%)	1	6
15	c3	127/127 (100%)	107 (84%)	20 (16%)	2	15
16	C4	81/97 (84%)	67 (83%)	14 (17%)	2	11
16	c4	97/97 (100%)	83 (86%)	14 (14%)	3	18
17	C5	101/118 (86%)	90 (89%)	11 (11%)	6	29
17	c5	103/118 (87%)	87 (84%)	16 (16%)	2	16
18	C6	117/118 (99%)	96 (82%)	21 (18%)	2	9
18	c6	118/118 (100%)	99 (84%)	19 (16%)	2	14
19	C7	94/113 (83%)	77 (82%)	17 (18%)	1	9
19	c7	92/113 (81%)	72 (78%)	20 (22%)	1	5
20	C8	128/128 (100%)	108 (84%)	20 (16%)	2	16
20	c8	128/128 (100%)	107 (84%)	21 (16%)	2	13
21	C9	115/115 (100%)	98 (85%)	17 (15%)	3	17
21	c9	115/115 (100%)	103 (90%)	12 (10%)	7	31
22	D0	100/103 (97%)	84 (84%)	16 (16%)	2	14
22	d0	103/103 (100%)	82 (80%)	21 (20%)	1	6

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
23	D1	74/74 (100%)	65 (88%)	9 (12%)	5	23
23	d1	74/74 (100%)	67 (90%)	7 (10%)	8	34
24	D2	110/110 (100%)	91 (83%)	19 (17%)	2	11
24	d2	110/110 (100%)	98 (89%)	12 (11%)	6	29
25	D3	119/119 (100%)	102 (86%)	17 (14%)	3	19
25	d3	119/119 (100%)	98 (82%)	21 (18%)	2	10
26	D4	112/112 (100%)	94 (84%)	18 (16%)	2	14
26	d4	112/112 (100%)	92 (82%)	20 (18%)	2	9
27	D5	61/61 (100%)	46 (75%)	15 (25%)	0	4
27	d5	61/61 (100%)	53 (87%)	8 (13%)	4	21
28	D6	83/83 (100%)	64 (77%)	19 (23%)	1	4
28	d6	83/83 (100%)	66 (80%)	17 (20%)	1	6
29	D7	70/70 (100%)	66 (94%)	4 (6%)	20	53
29	d7	70/70 (100%)	57 (81%)	13 (19%)	1	8
30	D8	56/56 (100%)	46 (82%)	10 (18%)	2	9
30	d8	56/56 (100%)	41 (73%)	15 (27%)	0	3
31	D9	47/47 (100%)	37 (79%)	10 (21%)	1	5
31	d9	47/47 (100%)	39 (83%)	8 (17%)	2	12
32	E0	51/53 (96%)	39 (76%)	12 (24%)	1	4
32	e0	53/53 (100%)	45 (85%)	8 (15%)	3	17
33	E1	62/66 (94%)	43 (69%)	19 (31%)	0	2
33	e1	66/66 (100%)	50 (76%)	16 (24%)	0	4
34	SR	259/260 (100%)	233 (90%)	26 (10%)	7	32
35	SM	97/228 (42%)	78 (80%)	19 (20%)	1	7
39	L2	193/194 (100%)	162 (84%)	31 (16%)	2	14
39	l2	192/194 (99%)	159 (83%)	33 (17%)	2	11
40	L3	320/322 (99%)	252 (79%)	68 (21%)	1	5
40	l3	319/322 (99%)	268 (84%)	51 (16%)	2	14
41	L4	288/288 (100%)	239 (83%)	49 (17%)	2	12
41	l4	288/288 (100%)	231 (80%)	57 (20%)	1	7
42	L5	244/244 (100%)	205 (84%)	39 (16%)	2	14

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
42	l5	243/244 (100%)	201 (83%)	42 (17%)	2	11
43	L6	134/152 (88%)	114 (85%)	20 (15%)	3	17
43	l6	135/152 (89%)	119 (88%)	16 (12%)	5	25
44	L7	186/187 (100%)	156 (84%)	30 (16%)	2	14
44	l7	187/187 (100%)	155 (83%)	32 (17%)	2	12
45	L8	187/191 (98%)	166 (89%)	21 (11%)	6	27
46	L9	171/171 (100%)	134 (78%)	37 (22%)	1	5
46	l9	171/171 (100%)	134 (78%)	37 (22%)	1	5
47	M0	177/186 (95%)	147 (83%)	30 (17%)	2	12
47	m0	179/186 (96%)	139 (78%)	40 (22%)	1	4
48	M1	147/147 (100%)	120 (82%)	27 (18%)	1	8
48	m1	147/147 (100%)	126 (86%)	21 (14%)	3	19
49	M3	154/154 (100%)	125 (81%)	29 (19%)	1	8
49	m3	154/154 (100%)	127 (82%)	27 (18%)	2	10
50	M4	107/108 (99%)	86 (80%)	21 (20%)	1	7
50	m4	108/108 (100%)	91 (84%)	17 (16%)	2	15
51	M5	175/175 (100%)	145 (83%)	30 (17%)	2	12
51	m5	175/175 (100%)	148 (85%)	27 (15%)	2	16
52	M6	160/160 (100%)	141 (88%)	19 (12%)	5	25
52	m6	160/160 (100%)	135 (84%)	25 (16%)	2	16
53	M7	140/145 (97%)	114 (81%)	26 (19%)	1	8
53	m7	125/145 (86%)	99 (79%)	26 (21%)	1	6
54	M8	150/150 (100%)	126 (84%)	24 (16%)	2	14
54	m8	150/150 (100%)	122 (81%)	28 (19%)	1	8
55	M9	153/153 (100%)	133 (87%)	20 (13%)	4	21
55	m9	153/153 (100%)	121 (79%)	32 (21%)	1	6
56	N0	156/156 (100%)	129 (83%)	27 (17%)	2	11
56	n0	156/156 (100%)	130 (83%)	26 (17%)	2	12
57	N1	136/136 (100%)	106 (78%)	30 (22%)	1	5
57	n1	136/136 (100%)	112 (82%)	24 (18%)	2	10
58	N2	87/87 (100%)	73 (84%)	14 (16%)	2	14

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
58	n2	85/87 (98%)	70 (82%)	15 (18%)	2	10
59	N3	104/104 (100%)	89 (86%)	15 (14%)	3	18
59	n3	104/104 (100%)	93 (89%)	11 (11%)	6	30
60	N4	57/86 (66%)	53 (93%)	4 (7%)	15	46
61	N5	104/105 (99%)	89 (86%)	15 (14%)	3	18
61	n5	104/105 (99%)	80 (77%)	24 (23%)	1	4
62	N6	109/109 (100%)	85 (78%)	24 (22%)	1	5
62	n6	109/109 (100%)	88 (81%)	21 (19%)	1	7
63	N7	115/115 (100%)	97 (84%)	18 (16%)	2	15
63	n7	115/115 (100%)	96 (84%)	19 (16%)	2	13
64	N8	118/118 (100%)	99 (84%)	19 (16%)	2	14
64	n8	118/118 (100%)	101 (86%)	17 (14%)	3	18
65	N9	46/46 (100%)	39 (85%)	7 (15%)	3	17
65	n9	46/46 (100%)	39 (85%)	7 (15%)	3	17
66	O0	81/84 (96%)	64 (79%)	17 (21%)	1	5
66	o0	84/84 (100%)	71 (84%)	13 (16%)	2	16
67	O1	92/96 (96%)	79 (86%)	13 (14%)	3	19
67	o1	94/96 (98%)	74 (79%)	20 (21%)	1	5
68	O2	109/109 (100%)	88 (81%)	21 (19%)	1	7
68	o2	109/109 (100%)	83 (76%)	26 (24%)	0	4
69	O3	90/90 (100%)	72 (80%)	18 (20%)	1	7
69	o3	90/90 (100%)	74 (82%)	16 (18%)	2	10
70	O4	95/95 (100%)	82 (86%)	13 (14%)	3	20
70	o4	95/95 (100%)	83 (87%)	12 (13%)	4	22
71	O5	104/104 (100%)	93 (89%)	11 (11%)	6	30
71	o5	103/104 (99%)	82 (80%)	21 (20%)	1	6
72	O6	81/81 (100%)	63 (78%)	18 (22%)	1	5
72	o6	80/81 (99%)	64 (80%)	16 (20%)	1	7
73	O7	70/70 (100%)	58 (83%)	12 (17%)	2	12
73	o7	70/70 (100%)	54 (77%)	16 (23%)	1	4
74	O8	68/68 (100%)	52 (76%)	16 (24%)	1	4

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
74	o8	67/68 (98%)	58 (87%)	9 (13%)	4	21
75	O9	45/45 (100%)	37 (82%)	8 (18%)	2	10
75	o9	45/45 (100%)	40 (89%)	5 (11%)	6	28
76	Q0	47/47 (100%)	40 (85%)	7 (15%)	3	17
76	q0	47/47 (100%)	40 (85%)	7 (15%)	3	17
77	Q1	23/23 (100%)	19 (83%)	4 (17%)	2	11
77	q1	23/23 (100%)	14 (61%)	9 (39%)	0	1
78	Q2	90/90 (100%)	65 (72%)	25 (28%)	0	3
78	q2	90/90 (100%)	71 (79%)	19 (21%)	1	5
79	Q3	71/71 (100%)	59 (83%)	12 (17%)	2	12
79	q3	71/71 (100%)	58 (82%)	13 (18%)	1	8
81	sR	260/261 (100%)	238 (92%)	22 (8%)	10	39
82	sM	54/228 (24%)	44 (82%)	10 (18%)	1	8
84	l8	177/208 (85%)	147 (83%)	30 (17%)	2	12
86	n4	100/114 (88%)	87 (87%)	13 (13%)	4	21
87	p0	105/254 (41%)	89 (85%)	16 (15%)	3	17
All	All	18726/19636 (95%)	15610 (83%)	3116 (17%)	2	13

5 of 3116 residues with a non-rotameric sidechain are listed below:

Mol	Chain	Res	Type
14	c2	85	LYS
41	l4	179	LEU
17	c5	121	ILE
14	c2	71	ILE
28	d6	67	THR

Sometimes sidechains can be flipped to improve hydrogen bonding and reduce clashes. 5 of 91 such sidechains are listed below:

Mol	Chain	Res	Type
14	c2	125	ASN
42	l5	57	ASN
19	c7	105	GLN
30	d8	27	GLN
47	m0	55	ASN

5.3.3 RNA [i](#)

Mol	Chain	Analysed	Backbone Outliers	Pucker Outliers
1	2	1776/1812 (98%)	474 (26%)	47 (2%)
36	1	3145/3149 (99%)	753 (23%)	72 (2%)
37	3	120/121 (99%)	16 (13%)	3 (2%)
37	7	120/121 (99%)	21 (17%)	2 (1%)
38	4	157/158 (99%)	46 (29%)	3 (1%)
38	8	157/158 (99%)	39 (24%)	2 (1%)
80	6	1792/1800 (99%)	461 (25%)	54 (3%)
83	5	3145/3150 (99%)	767 (24%)	85 (2%)
89	P	1/4 (25%)	0	0
89	p	1/4 (25%)	0	0
All	All	10414/10477 (99%)	2577 (24%)	268 (2%)

5 of 2577 RNA backbone outliers are listed below:

Mol	Chain	Res	Type
1	2	2	A
1	2	4	C
1	2	17	C
1	2	25	C
1	2	26	A

5 of 268 RNA pucker outliers are listed below:

Mol	Chain	Res	Type
83	5	2281	A
83	5	2539	C
83	5	3317	U
36	1	2541	U
36	1	2418	G

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

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

5.5 Carbohydrates [i](#)

There are no monosaccharides in this entry.

5.6 Ligand geometry [i](#)

Of 2310 ligands modelled in this entry, 1207 are monoatomic - leaving 1103 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
90	OHX	1	3697	36	0,6,6	-	-	-		
90	OHX	6	1916	-	0,6,6	-	-	-		
90	OHX	6	1940	80	0,6,6	-	-	-		
90	OHX	1	3667	-	0,6,6	-	-	-		
90	OHX	1	3604	-	0,6,6	-	-	-		
90	OHX	5	3541	-	0,6,6	-	-	-		
90	OHX	1	3609	-	0,6,6	-	-	-		
90	OHX	5	3455	-	0,6,6	-	-	-		
90	OHX	6	2019	80	0,6,6	-	-	-		
90	OHX	5	3746	83	0,6,6	-	-	-		
90	OHX	1	3625	-	0,6,6	-	-	-		
90	OHX	6	1910	-	0,6,6	-	-	-		
90	OHX	1	3430	-	0,6,6	-	-	-		
90	OHX	4	218	-	0,6,6	-	-	-		
90	OHX	2	1958	-	0,6,6	-	-	-		
90	OHX	6	1938	-	0,6,6	-	-	-		
90	OHX	2	1921	-	0,6,6	-	-	-		
90	OHX	d4	201	-	0,6,6	-	-	-		
90	OHX	5	3480	83	0,6,6	-	-	-		
90	OHX	5	3438	-	0,6,6	-	-	-		
90	OHX	5	3507	-	0,6,6	-	-	-		
90	OHX	1	3407	-	0,6,6	-	-	-		
90	OHX	5	3456	83	0,6,6	-	-	-		
90	OHX	m0	303	-	0,6,6	-	-	-		
90	OHX	1	3700	-	0,6,6	-	-	-		
90	OHX	6	1947	-	0,6,6	-	-	-		
90	OHX	1	3680	-	0,6,6	-	-	-		
90	OHX	5	3666	83	0,6,6	-	-	-		
90	OHX	5	3613	-	0,6,6	-	-	-		
90	OHX	1	3427	36	0,6,6	-	-	-		
90	OHX	6	1946	-	0,6,6	-	-	-		
90	OHX	1	3685	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
90	OHX	1	3628	-	0,6,6	-	-	-	-	-
90	OHX	6	1951	80	0,6,6	-	-	-	-	-
90	OHX	5	3700	83	0,6,6	-	-	-	-	-
90	OHX	5	3408	83	0,6,6	-	-	-	-	-
90	OHX	5	3624	-	0,6,6	-	-	-	-	-
90	OHX	5	3727	-	0,6,6	-	-	-	-	-
90	OHX	6	1959	-	0,6,6	-	-	-	-	-
90	OHX	2	2039	1	0,6,6	-	-	-	-	-
90	OHX	1	3513	-	0,6,6	-	-	-	-	-
90	OHX	6	1939	80	0,6,6	-	-	-	-	-
90	OHX	1	3500	-	0,6,6	-	-	-	-	-
90	OHX	1	3723	-	0,6,6	-	-	-	-	-
90	OHX	6	1943	-	0,6,6	-	-	-	-	-
90	OHX	5	3447	83	0,6,6	-	-	-	-	-
90	OHX	1	3428	-	0,6,6	-	-	-	-	-
90	OHX	1	3439	-	0,6,6	-	-	-	-	-
90	OHX	1	3725	-	0,6,6	-	-	-	-	-
90	OHX	7	210	-	0,6,6	-	-	-	-	-
90	OHX	6	2055	80	0,6,6	-	-	-	-	-
90	OHX	1	3692	-	0,6,6	-	-	-	-	-
90	OHX	1	3519	-	0,6,6	-	-	-	-	-
90	OHX	5	3718	83	0,6,6	-	-	-	-	-
90	OHX	8	206	-	0,6,6	-	-	-	-	-
90	OHX	6	1983	-	0,6,6	-	-	-	-	-
90	OHX	6	2051	80	0,6,6	-	-	-	-	-
90	OHX	2	1965	-	0,6,6	-	-	-	-	-
90	OHX	s4	302	-	0,6,6	-	-	-	-	-
90	OHX	6	2038	-	0,6,6	-	-	-	-	-
90	OHX	2	1962	-	0,6,6	-	-	-	-	-
90	OHX	5	3439	-	0,6,6	-	-	-	-	-
90	OHX	1	3706	-	0,6,6	-	-	-	-	-
90	OHX	6	1965	-	0,6,6	-	-	-	-	-
90	OHX	5	3477	83	0,6,6	-	-	-	-	-
90	OHX	6	2033	80	0,6,6	-	-	-	-	-
90	OHX	1	3708	-	0,6,6	-	-	-	-	-
90	OHX	5	3569	-	0,6,6	-	-	-	-	-
90	OHX	1	3414	-	0,6,6	-	-	-	-	-
90	OHX	1	3412	-	0,6,6	-	-	-	-	-
90	OHX	2	1909	-	0,6,6	-	-	-	-	-
90	OHX	2	1932	-	0,6,6	-	-	-	-	-
90	OHX	1	3543	-	0,6,6	-	-	-	-	-
90	OHX	1	3556	-	0,6,6	-	-	-	-	-
90	OHX	1	3612	-	0,6,6	-	-	-	-	-

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
90	OHX	1	3626	-	0,6,6	-	-	-	-	-
90	OHX	13	401	-	0,6,6	-	-	-	-	-
90	OHX	1	3434	-	0,6,6	-	-	-	-	-
90	OHX	2	1989	-	0,6,6	-	-	-	-	-
90	OHX	1	3466	-	0,6,6	-	-	-	-	-
90	OHX	1	3438	-	0,6,6	-	-	-	-	-
90	OHX	1	3572	36	0,6,6	-	-	-	-	-
90	OHX	5	3520	-	0,6,6	-	-	-	-	-
90	OHX	15	301	-	0,6,6	-	-	-	-	-
90	OHX	5	3664	-	0,6,6	-	-	-	-	-
90	OHX	2	2034	-	0,6,6	-	-	-	-	-
90	OHX	5	3490	83	0,6,6	-	-	-	-	-
90	OHX	5	3547	-	0,6,6	-	-	-	-	-
90	OHX	1	3518	-	0,6,6	-	-	-	-	-
90	OHX	2	2002	-	0,6,6	-	-	-	-	-
90	OHX	5	3423	83	0,6,6	-	-	-	-	-
90	OHX	6	2002	80	0,6,6	-	-	-	-	-
90	OHX	1	3727	36	0,6,6	-	-	-	-	-
90	OHX	6	1907	80	0,6,6	-	-	-	-	-
90	OHX	5	3528	-	0,6,6	-	-	-	-	-
90	OHX	1	3570	-	0,6,6	-	-	-	-	-
90	OHX	5	3518	-	0,6,6	-	-	-	-	-
90	OHX	1	3429	-	0,6,6	-	-	-	-	-
90	OHX	2	2017	-	0,6,6	-	-	-	-	-
90	OHX	2	2013	-	0,6,6	-	-	-	-	-
90	OHX	6	2052	80	0,6,6	-	-	-	-	-
90	OHX	5	3443	37	0,6,6	-	-	-	-	-
90	OHX	5	3469	83	0,6,6	-	-	-	-	-
90	OHX	2	2023	-	0,6,6	-	-	-	-	-
90	OHX	1	3649	-	0,6,6	-	-	-	-	-
90	OHX	5	3493	83	0,6,6	-	-	-	-	-
90	OHX	1	3527	-	0,6,6	-	-	-	-	-
90	OHX	2	2037	1	0,6,6	-	-	-	-	-
90	OHX	5	3610	-	0,6,6	-	-	-	-	-
90	OHX	5	3464	83	0,6,6	-	-	-	-	-
90	OHX	1	3465	-	0,6,6	-	-	-	-	-
90	OHX	1	3599	-	0,6,6	-	-	-	-	-
90	OHX	5	3656	-	0,6,6	-	-	-	-	-
90	OHX	2	2043	1	0,6,6	-	-	-	-	-
90	OHX	2	1994	-	0,6,6	-	-	-	-	-
90	OHX	1	3425	-	0,6,6	-	-	-	-	-
90	OHX	1	3584	-	0,6,6	-	-	-	-	-
90	OHX	1	3569	-	0,6,6	-	-	-	-	-

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
90	OHX	1	3639	-	0,6,6	-	-	-		
90	OHX	6	2012	-	0,6,6	-	-	-		
90	OHX	5	3515	-	0,6,6	-	-	-		
90	OHX	2	1931	-	0,6,6	-	-	-		
90	OHX	4	214	-	0,6,6	-	-	-		
90	OHX	2	1919	-	0,6,6	-	-	-		
90	OHX	5	3692	-	0,6,6	-	-	-		
90	OHX	1	3480	-	0,6,6	-	-	-		
90	OHX	5	3695	-	0,6,6	-	-	-		
90	OHX	1	3525	-	0,6,6	-	-	-		
90	OHX	2	1969	1	0,6,6	-	-	-		
90	OHX	5	3460	83	0,6,6	-	-	-		
90	OHX	5	3599	83	0,6,6	-	-	-		
90	OHX	2	2019	-	0,6,6	-	-	-		
90	OHX	6	1912	-	0,6,6	-	-	-		
90	OHX	5	3601	-	0,6,6	-	-	-		
90	OHX	2	1912	-	0,6,6	-	-	-		
90	OHX	5	3726	83	0,6,6	-	-	-		
90	OHX	6	1972	80	0,6,6	-	-	-		
90	OHX	L3	402	-	0,6,6	-	-	-		
90	OHX	5	3662	-	0,6,6	-	-	-		
90	OHX	5	3644	-	0,6,6	-	-	-		
90	OHX	1	3537	-	0,6,6	-	-	-		
90	OHX	1	3613	-	0,6,6	-	-	-		
90	OHX	4	216	-	0,6,6	-	-	-		
90	OHX	8	211	38	0,6,6	-	-	-		
90	OHX	5	3421	-	0,6,6	-	-	-		
90	OHX	2	1956	-	0,6,6	-	-	-		
90	OHX	6	1902	80	0,6,6	-	-	-		
90	OHX	4	215	-	0,6,6	-	-	-		
90	OHX	2	1947	-	0,6,6	-	-	-		
90	OHX	6	1997	-	0,6,6	-	-	-		
90	OHX	6	2001	-	0,6,6	-	-	-		
90	OHX	5	3719	-	0,6,6	-	-	-		
90	OHX	13	402	-	0,6,6	-	-	-		
90	OHX	2	1960	-	0,6,6	-	-	-		
90	OHX	6	1905	-	0,6,6	-	-	-		
90	OHX	6	1988	-	0,6,6	-	-	-		
90	OHX	1	3528	-	0,6,6	-	-	-		
90	OHX	5	3707	-	0,6,6	-	-	-		
90	OHX	1	3554	-	0,6,6	-	-	-		
90	OHX	5	3632	-	0,6,6	-	-	-		
90	OHX	1	3588	36	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
90	OHX	5	3556	83	0,6,6	-	-	-		
90	OHX	5	3561	83	0,6,6	-	-	-		
90	OHX	1	3539	-	0,6,6	-	-	-		
90	OHX	5	3590	83	0,6,6	-	-	-		
90	OHX	2	1934	-	0,6,6	-	-	-		
90	OHX	5	3653	83	0,6,6	-	-	-		
90	OHX	1	3718	-	0,6,6	-	-	-		
90	OHX	2	1941	-	0,6,6	-	-	-		
90	OHX	6	1967	80	0,6,6	-	-	-		
90	OHX	1	3521	-	0,6,6	-	-	-		
90	OHX	6	1975	-	0,6,6	-	-	-		
90	OHX	2	2046	-	0,6,6	-	-	-		
90	OHX	5	3529	83	0,6,6	-	-	-		
90	OHX	8	218	38	0,6,6	-	-	-		
90	OHX	4	222	-	0,6,6	-	-	-		
90	OHX	1	3610	-	0,6,6	-	-	-		
90	OHX	5	3747	83	0,6,6	-	-	-		
90	OHX	2	1970	-	0,6,6	-	-	-		
90	OHX	1	3564	36	0,6,6	-	-	-		
90	OHX	5	3524	83	0,6,6	-	-	-		
90	OHX	2	1986	1	0,6,6	-	-	-		
90	OHX	5	3521	83	0,6,6	-	-	-		
90	OHX	6	2034	-	0,6,6	-	-	-		
90	OHX	5	3688	-	0,6,6	-	-	-		
90	OHX	6	1990	-	0,6,6	-	-	-		
90	OHX	1	3468	-	0,6,6	-	-	-		
90	OHX	6	1977	80	0,6,6	-	-	-		
90	OHX	5	3736	83	0,6,6	-	-	-		
90	OHX	7	202	37	0,6,6	-	-	-		
90	OHX	1	3650	-	0,6,6	-	-	-		
90	OHX	1	3619	-	0,6,6	-	-	-		
90	OHX	1	3695	36	0,6,6	-	-	-		
90	OHX	2	1937	-	0,6,6	-	-	-		
90	OHX	1	3460	-	0,6,6	-	-	-		
90	OHX	1	3710	36	0,6,6	-	-	-		
90	OHX	5	3415	-	0,6,6	-	-	-		
90	OHX	1	3474	-	0,6,6	-	-	-		
90	OHX	2	2007	-	0,6,6	-	-	-		
90	OHX	5	3495	83	0,6,6	-	-	-		
90	OHX	5	3548	83	0,6,6	-	-	-		
90	OHX	5	3595	83	0,6,6	-	-	-		
90	OHX	1	3726	-	0,6,6	-	-	-		
90	OHX	1	3453	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
90	OHX	1	3559	-	0,6,6	-	-	-		
90	OHX	5	3526	-	0,6,6	-	-	-		
90	OHX	6	2041	-	0,6,6	-	-	-		
90	OHX	1	3627	36	0,6,6	-	-	-		
90	OHX	5	3562	-	0,6,6	-	-	-		
90	OHX	6	1901	-	0,6,6	-	-	-		
90	OHX	5	3643	83	0,6,6	-	-	-		
93	PHE	1	3401	-	10,11,12	1.23	1 (10%)	10,13,15	0.62	0
90	OHX	1	3421	-	0,6,6	-	-	-		
90	OHX	1	3423	-	0,6,6	-	-	-		
90	OHX	2	1991	-	0,6,6	-	-	-		
90	OHX	5	3603	-	0,6,6	-	-	-		
90	OHX	5	3712	83	0,6,6	-	-	-		
90	OHX	2	2040	-	0,6,6	-	-	-		
90	OHX	5	3721	83	0,6,6	-	-	-		
90	OHX	5	3697	-	0,6,6	-	-	-		
90	OHX	1	3551	-	0,6,6	-	-	-		
90	OHX	5	3730	-	0,6,6	-	-	-		
90	OHX	1	3568	-	0,6,6	-	-	-		
90	OHX	5	3406	-	0,6,6	-	-	-		
90	OHX	2	1926	-	0,6,6	-	-	-		
90	OHX	2	2009	1	0,6,6	-	-	-		
90	OHX	C3	201	-	0,6,6	-	-	-		
90	OHX	1	3566	36	0,6,6	-	-	-		
90	OHX	6	1999	80	0,6,6	-	-	-		
90	OHX	1	3591	-	0,6,6	-	-	-		
90	OHX	4	221	-	0,6,6	-	-	-		
90	OHX	1	3632	-	0,6,6	-	-	-		
90	OHX	1	3535	-	0,6,6	-	-	-		
90	OHX	5	3446	-	0,6,6	-	-	-		
90	OHX	2	1936	1	0,6,6	-	-	-		
90	OHX	1	3561	-	0,6,6	-	-	-		
90	OHX	6	2026	80	0,6,6	-	-	-		
90	OHX	1	3469	-	0,6,6	-	-	-		
90	OHX	6	1955	80	0,6,6	-	-	-		
90	OHX	5	3452	-	0,6,6	-	-	-		
90	OHX	2	2047	1	0,6,6	-	-	-		
90	OHX	4	206	-	0,6,6	-	-	-		
90	OHX	1	3715	36	0,6,6	-	-	-		
90	OHX	5	3591	-	0,6,6	-	-	-		
90	OHX	5	3404	-	0,6,6	-	-	-		
90	OHX	2	1930	-	0,6,6	-	-	-		
90	OHX	1	3660	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
90	OHX	5	3473	83	0,6,6	-	-	-		
90	OHX	5	3701	-	0,6,6	-	-	-		
90	OHX	5	3472	83	0,6,6	-	-	-		
90	OHX	1	3515	-	0,6,6	-	-	-		
90	OHX	1	3664	-	0,6,6	-	-	-		
90	OHX	5	3533	83	0,6,6	-	-	-		
90	OHX	5	3717	83	0,6,6	-	-	-		
90	OHX	1	3637	36	0,6,6	-	-	-		
90	OHX	6	1924	80	0,6,6	-	-	-		
90	OHX	1	3455	-	0,6,6	-	-	-		
90	OHX	1	3563	-	0,6,6	-	-	-		
90	OHX	2	2020	-	0,6,6	-	-	-		
90	OHX	2	1993	-	0,6,6	-	-	-		
90	OHX	5	3503	-	0,6,6	-	-	-		
90	OHX	5	3508	-	0,6,6	-	-	-		
90	OHX	2	1959	-	0,6,6	-	-	-		
90	OHX	5	3538	-	0,6,6	-	-	-		
90	OHX	1	3699	-	0,6,6	-	-	-		
90	OHX	1	3585	-	0,6,6	-	-	-		
90	OHX	5	3576	-	0,6,6	-	-	-		
90	OHX	5	3670	83	0,6,6	-	-	-		
90	OHX	1	3526	-	0,6,6	-	-	-		
90	OHX	7	207	37	0,6,6	-	-	-		
90	OHX	6	2010	80	0,6,6	-	-	-		
90	OHX	2	2045	-	0,6,6	-	-	-		
90	OHX	1	3562	-	0,6,6	-	-	-		
90	OHX	C8	202	36	0,6,6	-	-	-		
90	OHX	1	3676	-	0,6,6	-	-	-		
90	OHX	5	3575	-	0,6,6	-	-	-		
90	OHX	1	3656	-	0,6,6	-	-	-		
90	OHX	5	3741	-	0,6,6	-	-	-		
90	OHX	5	3748	-	0,6,6	-	-	-		
90	OHX	1	3499	-	0,6,6	-	-	-		
90	OHX	1	3514	-	0,6,6	-	-	-		
90	OHX	1	3520	-	0,6,6	-	-	-		
90	OHX	5	3424	-	0,6,6	-	-	-		
90	OHX	5	3494	-	0,6,6	-	-	-		
90	OHX	5	3708	-	0,6,6	-	-	-		
90	OHX	8	215	-	0,6,6	-	-	-		
90	OHX	1	3730	36	0,6,6	-	-	-		
90	OHX	5	3621	-	0,6,6	-	-	-		
90	OHX	1	3686	-	0,6,6	-	-	-		
90	OHX	2	2032	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
90	OHX	2	2049	-	0,6,6	-	-	-		
90	OHX	6	1979	-	0,6,6	-	-	-		
90	OHX	2	2030	1	0,6,6	-	-	-		
90	OHX	1	3431	-	0,6,6	-	-	-		
90	OHX	1	3696	-	0,6,6	-	-	-		
90	OHX	6	2025	80	0,6,6	-	-	-		
90	OHX	8	210	-	0,6,6	-	-	-		
90	OHX	2	1946	-	0,6,6	-	-	-		
90	OHX	1	3611	-	0,6,6	-	-	-		
90	OHX	2	2001	-	0,6,6	-	-	-		
90	OHX	1	3452	-	0,6,6	-	-	-		
90	OHX	6	1929	80	0,6,6	-	-	-		
90	OHX	5	3637	83	0,6,6	-	-	-		
90	OHX	1	3608	-	0,6,6	-	-	-		
90	OHX	L3	403	-	0,6,6	-	-	-		
90	OHX	5	3710	-	0,6,6	-	-	-		
90	OHX	5	3636	-	0,6,6	-	-	-		
90	OHX	6	1987	80	0,6,6	-	-	-		
90	OHX	1	3669	-	0,6,6	-	-	-		
90	OHX	2	1952	1	0,6,6	-	-	-		
90	OHX	6	1922	80	0,6,6	-	-	-		
90	OHX	c8	202	-	0,6,6	-	-	-		
90	OHX	7	206	37	0,6,6	-	-	-		
90	OHX	2	1997	-	0,6,6	-	-	-		
90	OHX	5	3572	83	0,6,6	-	-	-		
90	OHX	1	3495	-	0,6,6	-	-	-		
90	OHX	1	3409	-	0,6,6	-	-	-		
90	OHX	5	3694	-	0,6,6	-	-	-		
90	OHX	2	2038	-	0,6,6	-	-	-		
90	OHX	5	3696	83	0,6,6	-	-	-		
90	OHX	1	3486	-	0,6,6	-	-	-		
90	OHX	1	3422	-	0,6,6	-	-	-		
90	OHX	1	3670	-	0,6,6	-	-	-		
90	OHX	5	3691	-	0,6,6	-	-	-		
90	OHX	1	3688	36	0,6,6	-	-	-		
90	OHX	5	3617	-	0,6,6	-	-	-		
90	OHX	1	3643	-	0,6,6	-	-	-		
90	OHX	5	3535	83	0,6,6	-	-	-		
90	OHX	6	1914	80	0,6,6	-	-	-		
90	OHX	6	2008	-	0,6,6	-	-	-		
90	OHX	1	3507	-	0,6,6	-	-	-		
90	OHX	m5	301	-	0,6,6	-	-	-		
90	OHX	4	220	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
90	OHX	6	1986	-	0,6,6	-	-	-		
90	OHX	6	2000	80	0,6,6	-	-	-		
90	OHX	5	3420	-	0,6,6	-	-	-		
90	OHX	5	3578	83	0,6,6	-	-	-		
90	OHX	5	3552	83	0,6,6	-	-	-		
90	OHX	1	3646	-	0,6,6	-	-	-		
90	OHX	1	3540	-	0,6,6	-	-	-		
90	OHX	1	3684	-	0,6,6	-	-	-		
90	OHX	L4	402	-	0,6,6	-	-	-		
90	OHX	2	2016	-	0,6,6	-	-	-		
90	OHX	6	2004	-	0,6,6	-	-	-		
90	OHX	2	1917	-	0,6,6	-	-	-		
90	OHX	5	3678	83	0,6,6	-	-	-		
90	OHX	5	3560	-	0,6,6	-	-	-		
90	OHX	C5	201	-	0,6,6	-	-	-		
90	OHX	2	2050	1	0,6,6	-	-	-		
90	OHX	2	2004	-	0,6,6	-	-	-		
90	OHX	6	2018	80	0,6,6	-	-	-		
90	OHX	5	3646	-	0,6,6	-	-	-		
90	OHX	8	214	38	0,6,6	-	-	-		
90	OHX	5	3684	83	0,6,6	-	-	-		
90	OHX	2	1911	-	0,6,6	-	-	-		
90	OHX	1	3598	-	0,6,6	-	-	-		
90	OHX	1	3689	-	0,6,6	-	-	-		
90	OHX	1	3693	-	0,6,6	-	-	-		
90	OHX	6	2015	-	0,6,6	-	-	-		
90	OHX	5	3600	83	0,6,6	-	-	-		
90	OHX	5	3582	-	0,6,6	-	-	-		
90	OHX	5	3677	83	0,6,6	-	-	-		
90	OHX	1	3472	-	0,6,6	-	-	-		
90	OHX	2	1905	-	0,6,6	-	-	-		
90	OHX	1	3493	36	0,6,6	-	-	-		
90	OHX	6	1995	-	0,6,6	-	-	-		
90	OHX	7	204	-	0,6,6	-	-	-		
90	OHX	5	3486	-	0,6,6	-	-	-		
90	OHX	5	3713	83	0,6,6	-	-	-		
90	OHX	5	3553	83	0,6,6	-	-	-		
90	OHX	5	3459	83	0,6,6	-	-	-		
90	OHX	8	212	38	0,6,6	-	-	-		
90	OHX	6	1957	80	0,6,6	-	-	-		
90	OHX	1	3687	-	0,6,6	-	-	-		
90	OHX	1	3672	-	0,6,6	-	-	-		
90	OHX	1	3404	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
90	OHX	5	3604	83	0,6,6	-	-	-		
90	OHX	4	204	-	0,6,6	-	-	-		
90	OHX	1	3679	-	0,6,6	-	-	-		
90	OHX	2	1929	-	0,6,6	-	-	-		
90	OHX	1	3545	-	0,6,6	-	-	-		
90	OHX	1	3576	36	0,6,6	-	-	-		
90	OHX	2	1927	-	0,6,6	-	-	-		
90	OHX	6	1970	80	0,6,6	-	-	-		
90	OHX	8	209	38	0,6,6	-	-	-		
90	OHX	6	1925	-	0,6,6	-	-	-		
90	OHX	4	211	-	0,6,6	-	-	-		
90	OHX	6	1996	80	0,6,6	-	-	-		
90	OHX	1	3661	-	0,6,6	-	-	-		
90	OHX	1	3575	-	0,6,6	-	-	-		
90	OHX	c5	201	-	0,6,6	-	-	-		
90	OHX	5	3672	-	0,6,6	-	-	-		
90	OHX	6	2005	-	0,6,6	-	-	-		
90	OHX	1	3481	-	0,6,6	-	-	-		
90	OHX	5	3577	83	0,6,6	-	-	-		
90	OHX	O9	101	-	0,6,6	-	-	-		
90	OHX	5	3436	83	0,6,6	-	-	-		
90	OHX	3	210	-	0,6,6	-	-	-		
90	OHX	5	3679	-	0,6,6	-	-	-		
90	OHX	5	3705	-	0,6,6	-	-	-		
90	OHX	1	3482	-	0,6,6	-	-	-		
90	OHX	6	1923	80	0,6,6	-	-	-		
90	OHX	1	3714	-	0,6,6	-	-	-		
90	OHX	2	1924	-	0,6,6	-	-	-		
90	OHX	2	1943	-	0,6,6	-	-	-		
90	OHX	1	3504	-	0,6,6	-	-	-		
90	OHX	1	3614	-	0,6,6	-	-	-		
90	OHX	1	3483	-	0,6,6	-	-	-		
90	OHX	5	3481	-	0,6,6	-	-	-		
90	OHX	5	3628	-	0,6,6	-	-	-		
90	OHX	M0	301	-	0,6,6	-	-	-		
90	OHX	5	3647	-	0,6,6	-	-	-		
90	OHX	5	3709	-	0,6,6	-	-	-		
90	OHX	2	1979	-	0,6,6	-	-	-		
90	OHX	o3	201	-	0,6,6	-	-	-		
90	OHX	5	3745	-	0,6,6	-	-	-		
90	OHX	1	3635	-	0,6,6	-	-	-		
90	OHX	2	1961	-	0,6,6	-	-	-		
90	OHX	6	1908	80	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
90	OHX	2	1977	-	0,6,6	-	-	-		
90	OHX	5	3449	-	0,6,6	-	-	-		
90	OHX	M5	302	-	0,6,6	-	-	-		
90	OHX	5	3437	83	0,6,6	-	-	-		
90	OHX	2	2025	-	0,6,6	-	-	-		
90	OHX	1	3600	-	0,6,6	-	-	-		
90	OHX	2	1953	-	0,6,6	-	-	-		
90	OHX	1	3665	-	0,6,6	-	-	-		
90	OHX	4	213	-	0,6,6	-	-	-		
90	OHX	1	3677	-	0,6,6	-	-	-		
90	OHX	1	3582	36	0,6,6	-	-	-		
90	OHX	5	3655	-	0,6,6	-	-	-		
90	OHX	5	3422	83	0,6,6	-	-	-		
90	OHX	6	1953	80	0,6,6	-	-	-		
90	OHX	4	208	38	0,6,6	-	-	-		
90	OHX	5	3720	83	0,6,6	-	-	-		
90	OHX	1	3641	-	0,6,6	-	-	-		
90	OHX	6	2059	-	0,6,6	-	-	-		
90	OHX	5	3465	-	0,6,6	-	-	-		
90	OHX	S8	301	-	0,6,6	-	-	-		
95	SPS	5	4176	91	20,23,23	3.41	10 (50%)	18,30,30	4.56	11 (61%)
90	OHX	2	2048	-	0,6,6	-	-	-		
90	OHX	1	3707	-	0,6,6	-	-	-		
90	OHX	6	1915	80	0,6,6	-	-	-		
90	OHX	5	3417	-	0,6,6	-	-	-		
90	OHX	5	3630	-	0,6,6	-	-	-		
90	OHX	5	3665	83	0,6,6	-	-	-		
90	OHX	5	3609	-	0,6,6	-	-	-		
90	OHX	2	1918	-	0,6,6	-	-	-		
90	OHX	2	2044	-	0,6,6	-	-	-		
90	OHX	1	3587	-	0,6,6	-	-	-		
90	OHX	5	3627	-	0,6,6	-	-	-		
90	OHX	5	3693	-	0,6,6	-	-	-		
90	OHX	6	2017	80	0,6,6	-	-	-		
90	OHX	1	3494	36	0,6,6	-	-	-		
90	OHX	2	2015	-	0,6,6	-	-	-		
90	OHX	6	1963	-	0,6,6	-	-	-		
90	OHX	5	3484	83	0,6,6	-	-	-		
90	OHX	6	2040	80	0,6,6	-	-	-		
90	OHX	1	3573	36	0,6,6	-	-	-		
90	OHX	6	2037	80	0,6,6	-	-	-		
90	OHX	s1	301	-	0,6,6	-	-	-		
90	OHX	2	1950	1	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
90	OHX	3	207	-	0,6,6	-	-	-	-	-
90	OHX	1	3705	-	0,6,6	-	-	-	-	-
90	OHX	1	3577	-	0,6,6	-	-	-	-	-
90	OHX	5	3434	-	0,6,6	-	-	-	-	-
90	OHX	1	3436	-	0,6,6	-	-	-	-	-
90	OHX	5	3479	-	0,6,6	-	-	-	-	-
90	OHX	6	1926	80	0,6,6	-	-	-	-	-
90	OHX	5	3623	-	0,6,6	-	-	-	-	-
90	OHX	1	3491	-	0,6,6	-	-	-	-	-
90	OHX	5	3566	-	0,6,6	-	-	-	-	-
90	OHX	5	3593	-	0,6,6	-	-	-	-	-
90	OHX	1	3633	-	0,6,6	-	-	-	-	-
90	OHX	1	3532	-	0,6,6	-	-	-	-	-
90	OHX	5	3635	83	0,6,6	-	-	-	-	-
90	OHX	5	3542	83	0,6,6	-	-	-	-	-
90	OHX	5	3652	-	0,6,6	-	-	-	-	-
90	OHX	2	1928	-	0,6,6	-	-	-	-	-
90	OHX	5	3557	-	0,6,6	-	-	-	-	-
90	OHX	1	3605	-	0,6,6	-	-	-	-	-
90	OHX	5	3669	83	0,6,6	-	-	-	-	-
90	OHX	1	3509	36	0,6,6	-	-	-	-	-
90	OHX	1	3560	-	0,6,6	-	-	-	-	-
90	OHX	4	210	-	0,6,6	-	-	-	-	-
90	OHX	1	3524	-	0,6,6	-	-	-	-	-
90	OHX	2	1976	-	0,6,6	-	-	-	-	-
90	OHX	1	3506	-	0,6,6	-	-	-	-	-
90	OHX	2	1904	1	0,6,6	-	-	-	-	-
90	OHX	1	3490	-	0,6,6	-	-	-	-	-
90	OHX	1	3550	-	0,6,6	-	-	-	-	-
90	OHX	1	3712	36	0,6,6	-	-	-	-	-
90	OHX	6	1913	80	0,6,6	-	-	-	-	-
90	OHX	5	3427	-	0,6,6	-	-	-	-	-
90	OHX	1	3713	-	0,6,6	-	-	-	-	-
90	OHX	5	3461	83	0,6,6	-	-	-	-	-
90	OHX	1	3449	36	0,6,6	-	-	-	-	-
90	OHX	5	3492	-	0,6,6	-	-	-	-	-
90	OHX	5	3605	-	0,6,6	-	-	-	-	-
90	OHX	19	201	-	0,6,6	-	-	-	-	-
90	OHX	6	2058	-	0,6,6	-	-	-	-	-
90	OHX	1	3606	-	0,6,6	-	-	-	-	-
90	OHX	1	3549	-	0,6,6	-	-	-	-	-
90	OHX	5	3661	-	0,6,6	-	-	-	-	-
90	OHX	2	1933	-	0,6,6	-	-	-	-	-

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
90	OHX	2	1942	-	0,6,6	-	-	-	-	-
90	OHX	2	2000	-	0,6,6	-	-	-	-	-
90	OHX	1	3410	-	0,6,6	-	-	-	-	-
90	OHX	2	2029	-	0,6,6	-	-	-	-	-
90	OHX	5	3555	-	0,6,6	-	-	-	-	-
90	OHX	5	3668	83	0,6,6	-	-	-	-	-
90	OHX	5	3458	83	0,6,6	-	-	-	-	-
90	OHX	5	3425	-	0,6,6	-	-	-	-	-
90	OHX	8	207	-	0,6,6	-	-	-	-	-
90	OHX	1	3616	36	0,6,6	-	-	-	-	-
90	OHX	1	3654	-	0,6,6	-	-	-	-	-
90	OHX	6	1921	80	0,6,6	-	-	-	-	-
90	OHX	6	2016	80	0,6,6	-	-	-	-	-
90	OHX	2	1987	1	0,6,6	-	-	-	-	-
90	OHX	2	1975	-	0,6,6	-	-	-	-	-
90	OHX	1	3484	-	0,6,6	-	-	-	-	-
90	OHX	5	3483	-	0,6,6	-	-	-	-	-
90	OHX	6	1980	-	0,6,6	-	-	-	-	-
90	OHX	5	3525	83	0,6,6	-	-	-	-	-
90	OHX	7	203	37	0,6,6	-	-	-	-	-
90	OHX	1	3479	-	0,6,6	-	-	-	-	-
90	OHX	6	2032	-	0,6,6	-	-	-	-	-
90	OHX	5	3478	-	0,6,6	-	-	-	-	-
90	OHX	6	2036	80	0,6,6	-	-	-	-	-
90	OHX	m0	304	-	0,6,6	-	-	-	-	-
90	OHX	8	208	38	0,6,6	-	-	-	-	-
90	OHX	1	3574	-	0,6,6	-	-	-	-	-
90	OHX	1	3644	-	0,6,6	-	-	-	-	-
90	OHX	1	3702	-	0,6,6	-	-	-	-	-
90	OHX	7	205	37	0,6,6	-	-	-	-	-
90	OHX	5	3517	-	0,6,6	-	-	-	-	-
90	OHX	L6	201	-	0,6,6	-	-	-	-	-
90	OHX	5	3596	83	0,6,6	-	-	-	-	-
90	OHX	o7	502	-	0,6,6	-	-	-	-	-
90	OHX	2	1990	-	0,6,6	-	-	-	-	-
90	OHX	1	3579	-	0,6,6	-	-	-	-	-
90	OHX	5	3419	83	0,6,6	-	-	-	-	-
90	OHX	3	201	-	0,6,6	-	-	-	-	-
90	OHX	1	3721	-	0,6,6	-	-	-	-	-
90	OHX	1	3698	36	0,6,6	-	-	-	-	-
90	OHX	5	3413	-	0,6,6	-	-	-	-	-
90	OHX	5	3650	-	0,6,6	-	-	-	-	-
90	OHX	2	1948	-	0,6,6	-	-	-	-	-

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
90	OHX	2	1996	-	0,6,6	-	-	-		
90	OHX	2	1983	-	0,6,6	-	-	-		
90	OHX	1	3655	-	0,6,6	-	-	-		
90	OHX	M9	201	-	0,6,6	-	-	-		
90	OHX	5	3416	83	0,6,6	-	-	-		
90	OHX	5	3554	-	0,6,6	-	-	-		
90	OHX	2	2005	-	0,6,6	-	-	-		
90	OHX	M5	301	-	0,6,6	-	-	-		
90	OHX	5	3725	-	0,6,6	-	-	-		
90	OHX	6	1966	80	0,6,6	-	-	-		
90	OHX	5	3606	83	0,6,6	-	-	-		
90	OHX	5	3550	83	0,6,6	-	-	-		
90	OHX	5	3731	-	0,6,6	-	-	-		
90	OHX	1	3634	-	0,6,6	-	-	-		
90	OHX	1	3503	-	0,6,6	-	-	-		
90	OHX	2	1908	-	0,6,6	-	-	-		
90	OHX	2	2014	-	0,6,6	-	-	-		
90	OHX	1	3592	-	0,6,6	-	-	-		
90	OHX	5	3724	83	0,6,6	-	-	-		
90	OHX	m6	202	-	0,6,6	-	-	-		
90	OHX	1	3440	-	0,6,6	-	-	-		
90	OHX	5	3615	83	0,6,6	-	-	-		
90	OHX	1	3593	-	0,6,6	-	-	-		
90	OHX	5	3442	-	0,6,6	-	-	-		
90	OHX	6	1937	-	0,6,6	-	-	-		
90	OHX	6	2031	80	0,6,6	-	-	-		
90	OHX	5	3418	-	0,6,6	-	-	-		
90	OHX	2	1914	-	0,6,6	-	-	-		
90	OHX	1	3512	36	0,6,6	-	-	-		
90	OHX	2	1992	-	0,6,6	-	-	-		
90	OHX	5	3581	-	0,6,6	-	-	-		
90	OHX	6	1932	80	0,6,6	-	-	-		
90	OHX	6	1998	80	0,6,6	-	-	-		
90	OHX	5	3592	83	0,6,6	-	-	-		
90	OHX	5	3690	-	0,6,6	-	-	-		
90	OHX	2	1910	-	0,6,6	-	-	-		
90	OHX	5	3642	83	0,6,6	-	-	-		
90	OHX	2	1922	-	0,6,6	-	-	-		
90	OHX	2	1938	-	0,6,6	-	-	-		
90	OHX	5	3667	-	0,6,6	-	-	-		
90	OHX	1	3406	-	0,6,6	-	-	-		
90	OHX	6	1989	80	0,6,6	-	-	-		
90	OHX	M8	201	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
90	OHX	1	3454	-	0,6,6	-	-	-		
90	OHX	2	1999	-	0,6,6	-	-	-		
90	OHX	5	3409	-	0,6,6	-	-	-		
90	OHX	5	3598	83	0,6,6	-	-	-		
90	OHX	n9	101	-	0,6,6	-	-	-		
90	OHX	1	3478	-	0,6,6	-	-	-		
90	OHX	5	3702	-	0,6,6	-	-	-		
90	OHX	2	1968	-	0,6,6	-	-	-		
90	OHX	1	3557	-	0,6,6	-	-	-		
90	OHX	6	2024	-	0,6,6	-	-	-		
90	OHX	5	3441	83	0,6,6	-	-	-		
90	OHX	5	3454	-	0,6,6	-	-	-		
93	PHE	5	3401	-	10,11,12	1.23	1 (10%)	10,13,15	0.62	0
90	OHX	1	3595	-	0,6,6	-	-	-		
90	OHX	1	3447	-	0,6,6	-	-	-		
90	OHX	5	3629	83	0,6,6	-	-	-		
90	OHX	6	1911	-	0,6,6	-	-	-		
90	OHX	1	3419	36	0,6,6	-	-	-		
90	OHX	1	3542	-	0,6,6	-	-	-		
90	OHX	L6	202	-	0,6,6	-	-	-		
90	OHX	6	1944	80	0,6,6	-	-	-		
90	OHX	1	3533	-	0,6,6	-	-	-		
90	OHX	5	3564	83	0,6,6	-	-	-		
90	OHX	2	2022	-	0,6,6	-	-	-		
90	OHX	6	1945	80	0,6,6	-	-	-		
90	OHX	6	2057	80	0,6,6	-	-	-		
90	OHX	1	3464	-	0,6,6	-	-	-		
90	OHX	6	2039	80	0,6,6	-	-	-		
90	OHX	5	3735	-	0,6,6	-	-	-		
90	OHX	6	2013	80	0,6,6	-	-	-		
90	OHX	5	3597	83	0,6,6	-	-	-		
90	OHX	8	204	38	0,6,6	-	-	-		
90	OHX	1	3640	-	0,6,6	-	-	-		
90	OHX	1	3555	-	0,6,6	-	-	-		
90	OHX	2	1984	-	0,6,6	-	-	-		
90	OHX	5	3451	-	0,6,6	-	-	-		
90	OHX	4	212	-	0,6,6	-	-	-		
90	OHX	5	3634	-	0,6,6	-	-	-		
90	OHX	5	3514	83	0,6,6	-	-	-		
90	OHX	1	3668	-	0,6,6	-	-	-		
90	OHX	1	3442	-	0,6,6	-	-	-		
90	OHX	6	1994	-	0,6,6	-	-	-		
90	OHX	1	3458	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
90	OHX	5	3611	-	0,6,6	-	-	-	-	-
90	OHX	1	3662	-	0,6,6	-	-	-	-	-
90	OHX	1	3435	-	0,6,6	-	-	-	-	-
90	OHX	5	3732	-	0,6,6	-	-	-	-	-
90	OHX	5	3579	-	0,6,6	-	-	-	-	-
90	OHX	5	3563	83	0,6,6	-	-	-	-	-
90	OHX	5	3559	-	0,6,6	-	-	-	-	-
90	OHX	5	3626	83	0,6,6	-	-	-	-	-
90	OHX	5	3660	83	0,6,6	-	-	-	-	-
90	OHX	5	3722	83	0,6,6	-	-	-	-	-
90	OHX	2	1963	1	0,6,6	-	-	-	-	-
90	OHX	5	3586	83	0,6,6	-	-	-	-	-
90	OHX	5	3739	-	0,6,6	-	-	-	-	-
90	OHX	5	3516	83	0,6,6	-	-	-	-	-
90	OHX	2	1971	-	0,6,6	-	-	-	-	-
90	OHX	1	3596	-	0,6,6	-	-	-	-	-
90	OHX	6	1920	80	0,6,6	-	-	-	-	-
90	OHX	5	3466	-	0,6,6	-	-	-	-	-
90	OHX	2	2011	1	0,6,6	-	-	-	-	-
90	OHX	6	1960	80	0,6,6	-	-	-	-	-
90	OHX	3	206	-	0,6,6	-	-	-	-	-
90	OHX	1	3629	36	0,6,6	-	-	-	-	-
90	OHX	1	3489	-	0,6,6	-	-	-	-	-
90	OHX	1	3624	-	0,6,6	-	-	-	-	-
90	OHX	O3	201	-	0,6,6	-	-	-	-	-
90	OHX	5	3453	83	0,6,6	-	-	-	-	-
90	OHX	5	3523	-	0,6,6	-	-	-	-	-
90	OHX	1	3416	-	0,6,6	-	-	-	-	-
90	OHX	5	3699	-	0,6,6	-	-	-	-	-
90	OHX	1	3420	-	0,6,6	-	-	-	-	-
90	OHX	5	3641	-	0,6,6	-	-	-	-	-
90	OHX	1	3511	-	0,6,6	-	-	-	-	-
90	OHX	6	1934	-	0,6,6	-	-	-	-	-
90	OHX	6	1969	-	0,6,6	-	-	-	-	-
90	OHX	5	3414	-	0,6,6	-	-	-	-	-
90	OHX	5	3489	-	0,6,6	-	-	-	-	-
90	OHX	6	1941	80	0,6,6	-	-	-	-	-
90	OHX	1	3510	-	0,6,6	-	-	-	-	-
90	OHX	1	3418	-	0,6,6	-	-	-	-	-
90	OHX	1	3437	-	0,6,6	-	-	-	-	-
90	OHX	1	3678	36	0,6,6	-	-	-	-	-
90	OHX	1	3443	-	0,6,6	-	-	-	-	-
90	OHX	s9	201	-	0,6,6	-	-	-	-	-

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
90	OHX	1	3492	-	0,6,6	-	-	-		
90	OHX	5	3570	-	0,6,6	-	-	-		
90	OHX	5	3633	-	0,6,6	-	-	-		
90	OHX	1	3461	-	0,6,6	-	-	-		
90	OHX	2	2028	-	0,6,6	-	-	-		
90	OHX	1	3711	-	0,6,6	-	-	-		
90	OHX	7	208	-	0,6,6	-	-	-		
90	OHX	1	3456	-	0,6,6	-	-	-		
90	OHX	5	3671	83	0,6,6	-	-	-		
90	OHX	4	219	-	0,6,6	-	-	-		
90	OHX	8	216	38	0,6,6	-	-	-		
90	OHX	4	217	38	0,6,6	-	-	-		
90	OHX	2	1972	1	0,6,6	-	-	-		
90	OHX	5	3574	-	0,6,6	-	-	-		
90	OHX	1	3642	-	0,6,6	-	-	-		
90	OHX	5	3711	-	0,6,6	-	-	-		
90	OHX	6	2046	-	0,6,6	-	-	-		
90	OHX	5	3491	-	0,6,6	-	-	-		
90	OHX	6	1948	80	0,6,6	-	-	-		
90	OHX	5	3651	-	0,6,6	-	-	-		
90	OHX	6	1928	80	0,6,6	-	-	-		
90	OHX	5	3658	83	0,6,6	-	-	-		
90	OHX	6	1931	80	0,6,6	-	-	-		
90	OHX	5	3703	-	0,6,6	-	-	-		
90	OHX	1	3666	-	0,6,6	-	-	-		
90	OHX	sR	401	-	0,6,6	-	-	-		
90	OHX	1	3594	-	0,6,6	-	-	-		
90	OHX	1	3441	-	0,6,6	-	-	-		
90	OHX	5	3431	83	0,6,6	-	-	-		
90	OHX	O7	104	-	0,6,6	-	-	-		
90	OHX	1	3487	-	0,6,6	-	-	-		
90	OHX	5	3435	-	0,6,6	-	-	-		
90	OHX	1	3547	-	0,6,6	-	-	-		
90	OHX	5	3522	-	0,6,6	-	-	-		
90	OHX	3	204	-	0,6,6	-	-	-		
90	OHX	2	1978	-	0,6,6	-	-	-		
90	OHX	5	3432	-	0,6,6	-	-	-		
90	OHX	5	3551	83	0,6,6	-	-	-		
90	OHX	4	209	-	0,6,6	-	-	-		
90	OHX	6	1956	-	0,6,6	-	-	-		
90	OHX	1	3523	-	0,6,6	-	-	-		
90	OHX	6	2009	-	0,6,6	-	-	-		
90	OHX	5	3733	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
90	OHX	6	2044	-	0,6,6	-	-	-		
90	OHX	5	3681	83	0,6,6	-	-	-		
90	OHX	1	3709	-	0,6,6	-	-	-		
90	OHX	6	1933	-	0,6,6	-	-	-		
90	OHX	6	1936	-	0,6,6	-	-	-		
90	OHX	M6	201	-	0,6,6	-	-	-		
90	OHX	5	3571	-	0,6,6	-	-	-		
90	OHX	2	1944	-	0,6,6	-	-	-		
90	OHX	6	1964	80	0,6,6	-	-	-		
90	OHX	6	2035	-	0,6,6	-	-	-		
90	OHX	2	1967	-	0,6,6	-	-	-		
90	OHX	5	3488	83	0,6,6	-	-	-		
90	OHX	5	3544	83	0,6,6	-	-	-		
90	OHX	6	1973	80	0,6,6	-	-	-		
90	OHX	5	3654	-	0,6,6	-	-	-		
90	OHX	2	2042	-	0,6,6	-	-	-		
90	OHX	5	3602	-	0,6,6	-	-	-		
90	OHX	5	3567	-	0,6,6	-	-	-		
90	OHX	1	3673	-	0,6,6	-	-	-		
90	OHX	6	2053	80	0,6,6	-	-	-		
90	OHX	1	3694	-	0,6,6	-	-	-		
90	OHX	1	3704	-	0,6,6	-	-	-		
90	OHX	5	3614	-	0,6,6	-	-	-		
90	OHX	5	3476	-	0,6,6	-	-	-		
90	OHX	5	3648	-	0,6,6	-	-	-		
90	OHX	2	2031	-	0,6,6	-	-	-		
90	OHX	6	2047	-	0,6,6	-	-	-		
90	OHX	5	3510	83	0,6,6	-	-	-		
90	OHX	5	3673	83	0,6,6	-	-	-		
90	OHX	5	3687	-	0,6,6	-	-	-		
90	OHX	5	3608	-	0,6,6	-	-	-		
90	OHX	2	1966	1	0,6,6	-	-	-		
90	OHX	6	1993	80	0,6,6	-	-	-		
90	OHX	5	3407	-	0,6,6	-	-	-		
90	OHX	1	3417	-	0,6,6	-	-	-		
90	OHX	1	3658	-	0,6,6	-	-	-		
90	OHX	1	3722	-	0,6,6	-	-	-		
90	OHX	1	3586	-	0,6,6	-	-	-		
90	OHX	2	1913	-	0,6,6	-	-	-		
90	OHX	Q2	502	-	0,6,6	-	-	-		
90	OHX	6	2045	-	0,6,6	-	-	-		
90	OHX	1	3675	-	0,6,6	-	-	-		
90	OHX	5	3594	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
90	OHX	5	3589	83	0,6,6	-	-	-		
90	OHX	6	1984	-	0,6,6	-	-	-		
90	OHX	1	3433	-	0,6,6	-	-	-		
90	OHX	2	1901	-	0,6,6	-	-	-		
90	OHX	1	3728	-	0,6,6	-	-	-		
90	OHX	5	3698	-	0,6,6	-	-	-		
90	OHX	5	3620	-	0,6,6	-	-	-		
90	OHX	1	3432	-	0,6,6	-	-	-		
90	OHX	2	1981	-	0,6,6	-	-	-		
90	OHX	8	217	38	0,6,6	-	-	-		
90	OHX	1	3529	36	0,6,6	-	-	-		
90	OHX	5	3622	83	0,6,6	-	-	-		
90	OHX	5	3474	83	0,6,6	-	-	-		
90	OHX	m0	302	-	0,6,6	-	-	-		
90	OHX	6	2030	80	0,6,6	-	-	-		
90	OHX	1	3475	-	0,6,6	-	-	-		
90	OHX	5	3659	-	0,6,6	-	-	-		
90	OHX	3	208	-	0,6,6	-	-	-		
90	OHX	2	2026	-	0,6,6	-	-	-		
94	LEU	1	3402	-	5,7,8	0.43	0	5,8,10	0.61	0
90	OHX	2	1955	-	0,6,6	-	-	-		
90	OHX	6	1992	-	0,6,6	-	-	-		
90	OHX	5	3663	-	0,6,6	-	-	-		
90	OHX	1	3607	-	0,6,6	-	-	-		
90	OHX	5	3631	83	0,6,6	-	-	-		
90	OHX	2	1985	-	0,6,6	-	-	-		
90	OHX	7	209	37	0,6,6	-	-	-		
90	OHX	2	1903	-	0,6,6	-	-	-		
90	OHX	1	3544	-	0,6,6	-	-	-		
90	OHX	1	3682	-	0,6,6	-	-	-		
90	OHX	5	3463	-	0,6,6	-	-	-		
90	OHX	5	3737	83	0,6,6	-	-	-		
90	OHX	5	3501	83	0,6,6	-	-	-		
90	OHX	1	3602	-	0,6,6	-	-	-		
90	OHX	1	3645	-	0,6,6	-	-	-		
90	OHX	2	2021	-	0,6,6	-	-	-		
90	OHX	5	3485	83	0,6,6	-	-	-		
90	OHX	1	3652	-	0,6,6	-	-	-		
90	OHX	1	3538	-	0,6,6	-	-	-		
90	OHX	5	3607	-	0,6,6	-	-	-		
90	OHX	1	3476	-	0,6,6	-	-	-		
90	OHX	1	3648	-	0,6,6	-	-	-		
90	OHX	1	3717	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
90	OHX	2	2035	1	0,6,6	-	-	-		
90	OHX	1	3617	-	0,6,6	-	-	-		
90	OHX	1	3601	-	0,6,6	-	-	-		
90	OHX	5	3682	83	0,6,6	-	-	-		
90	OHX	m5	302	-	0,6,6	-	-	-		
90	OHX	o7	503	-	0,6,6	-	-	-		
90	OHX	1	3690	-	0,6,6	-	-	-		
90	OHX	1	3651	-	0,6,6	-	-	-		
90	OHX	M7	201	-	0,6,6	-	-	-		
90	OHX	1	3457	-	0,6,6	-	-	-		
90	OHX	5	3645	-	0,6,6	-	-	-		
90	OHX	5	3704	83	0,6,6	-	-	-		
90	OHX	6	1968	80	0,6,6	-	-	-		
90	OHX	l5	302	-	0,6,6	-	-	-		
90	OHX	1	3450	-	0,6,6	-	-	-		
90	OHX	2	1916	-	0,6,6	-	-	-		
90	OHX	6	1971	80	0,6,6	-	-	-		
90	OHX	1	3405	-	0,6,6	-	-	-		
90	OHX	1	3597	-	0,6,6	-	-	-		
96	8AN	p	101	91,89	19,24,25	1.06	1 (5%)	13,35,38	1.71	4 (30%)
90	OHX	5	3573	-	0,6,6	-	-	-		
90	OHX	1	3583	-	0,6,6	-	-	-		
90	OHX	1	3589	-	0,6,6	-	-	-		
90	OHX	1	3590	-	0,6,6	-	-	-		
90	OHX	5	3433	-	0,6,6	-	-	-		
90	OHX	1	3470	-	0,6,6	-	-	-		
90	OHX	1	3647	-	0,6,6	-	-	-		
90	OHX	5	3588	83	0,6,6	-	-	-		
90	OHX	1	3719	-	0,6,6	-	-	-		
90	OHX	5	3405	83	0,6,6	-	-	-		
90	OHX	4	205	-	0,6,6	-	-	-		
90	OHX	6	2007	80	0,6,6	-	-	-		
90	OHX	1	3620	-	0,6,6	-	-	-		
90	OHX	1	3623	-	0,6,6	-	-	-		
90	OHX	6	1958	80	0,6,6	-	-	-		
90	OHX	1	3683	36	0,6,6	-	-	-		
90	OHX	5	3585	83	0,6,6	-	-	-		
90	OHX	2	1940	-	0,6,6	-	-	-		
90	OHX	m9	201	-	0,6,6	-	-	-		
90	OHX	5	3502	-	0,6,6	-	-	-		
90	OHX	5	3540	83	0,6,6	-	-	-		
90	OHX	1	3567	-	0,6,6	-	-	-		
90	OHX	1	3621	36	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
90	OHX	6	1917	80	0,6,6	-	-	-		
90	OHX	6	1974	80	0,6,6	-	-	-		
90	OHX	1	3565	-	0,6,6	-	-	-		
90	OHX	1	3408	-	0,6,6	-	-	-		
90	OHX	1	3636	-	0,6,6	-	-	-		
90	OHX	5	3509	83	0,6,6	-	-	-		
90	OHX	1	3473	-	0,6,6	-	-	-		
90	OHX	5	3729	83	0,6,6	-	-	-		
90	OHX	1	3659	-	0,6,6	-	-	-		
90	OHX	1	3571	-	0,6,6	-	-	-		
90	OHX	1	3531	-	0,6,6	-	-	-		
90	OHX	1	3581	-	0,6,6	-	-	-		
90	OHX	1	3703	-	0,6,6	-	-	-		
90	OHX	6	1978	-	0,6,6	-	-	-		
90	OHX	2	2027	-	0,6,6	-	-	-		
90	OHX	6	2011	-	0,6,6	-	-	-		
90	OHX	5	3428	83	0,6,6	-	-	-		
90	OHX	5	3742	-	0,6,6	-	-	-		
90	OHX	1	3701	36	0,6,6	-	-	-		
90	OHX	1	3663	-	0,6,6	-	-	-		
90	OHX	1	3502	-	0,6,6	-	-	-		
90	OHX	5	3740	-	0,6,6	-	-	-		
90	OHX	3	203	-	0,6,6	-	-	-		
90	OHX	2	1939	-	0,6,6	-	-	-		
90	OHX	2	1988	-	0,6,6	-	-	-		
90	OHX	2	1957	-	0,6,6	-	-	-		
90	OHX	1	3546	-	0,6,6	-	-	-		
90	OHX	5	3549	-	0,6,6	-	-	-		
90	OHX	6	1982	80	0,6,6	-	-	-		
90	OHX	6	2050	80	0,6,6	-	-	-		
90	OHX	2	1945	-	0,6,6	-	-	-		
90	OHX	6	1949	-	0,6,6	-	-	-		
90	OHX	5	3440	-	0,6,6	-	-	-		
90	OHX	5	3715	83	0,6,6	-	-	-		
90	OHX	5	3689	-	0,6,6	-	-	-		
90	OHX	2	2036	-	0,6,6	-	-	-		
90	OHX	q2	502	-	0,6,6	-	-	-		
90	OHX	5	3543	83	0,6,6	-	-	-		
90	OHX	5	3587	-	0,6,6	-	-	-		
90	OHX	s8	301	-	0,6,6	-	-	-		
90	OHX	1	3517	-	0,6,6	-	-	-		
90	OHX	6	1927	80	0,6,6	-	-	-		
90	OHX	5	3545	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
90	OHX	5	3558	-	0,6,6	-	-	-		
90	OHX	1	3477	-	0,6,6	-	-	-		
90	OHX	4	207	38	0,6,6	-	-	-		
90	OHX	5	3534	83	0,6,6	-	-	-		
90	OHX	6	2020	-	0,6,6	-	-	-		
90	OHX	2	1964	-	0,6,6	-	-	-		
90	OHX	5	3444	-	0,6,6	-	-	-		
90	OHX	5	3639	-	0,6,6	-	-	-		
90	OHX	5	3482	83	0,6,6	-	-	-		
90	OHX	D9	102	-	0,6,6	-	-	-		
90	OHX	1	3463	-	0,6,6	-	-	-		
90	OHX	5	3531	83	0,6,6	-	-	-		
90	OHX	5	3580	-	0,6,6	-	-	-		
90	OHX	2	1998	-	0,6,6	-	-	-		
90	OHX	5	3457	-	0,6,6	-	-	-		
90	OHX	2	2051	-	0,6,6	-	-	-		
90	OHX	2	2008	-	0,6,6	-	-	-		
90	OHX	5	3583	-	0,6,6	-	-	-		
90	OHX	5	3744	-	0,6,6	-	-	-		
90	OHX	1	3622	-	0,6,6	-	-	-		
90	OHX	3	205	-	0,6,6	-	-	-		
90	OHX	3	202	-	0,6,6	-	-	-		
90	OHX	6	1906	-	0,6,6	-	-	-		
90	OHX	2	2003	-	0,6,6	-	-	-		
90	OHX	6	2056	80	0,6,6	-	-	-		
90	OHX	5	3539	83	0,6,6	-	-	-		
90	OHX	SR	401	-	0,6,6	-	-	-		
90	OHX	6	2006	80	0,6,6	-	-	-		
90	OHX	1	3536	-	0,6,6	-	-	-		
90	OHX	1	3446	-	0,6,6	-	-	-		
90	OHX	1	3720	-	0,6,6	-	-	-		
90	OHX	3	209	-	0,6,6	-	-	-		
90	OHX	6	1935	80	0,6,6	-	-	-		
90	OHX	5	3445	-	0,6,6	-	-	-		
90	OHX	5	3448	-	0,6,6	-	-	-		
90	OHX	1	3459	-	0,6,6	-	-	-		
90	OHX	5	3527	83	0,6,6	-	-	-		
90	OHX	5	3674	83	0,6,6	-	-	-		
90	OHX	1	3411	-	0,6,6	-	-	-		
90	OHX	c3	201	-	0,6,6	-	-	-		
90	OHX	1	3631	-	0,6,6	-	-	-		
90	OHX	6	1909	80	0,6,6	-	-	-		
90	OHX	5	3657	83	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
90	OHX	2	1915	-	0,6,6	-	-	-		
90	OHX	2	2018	-	0,6,6	-	-	-		
90	OHX	1	3630	-	0,6,6	-	-	-		
90	OHX	5	3450	83	0,6,6	-	-	-		
90	OHX	5	3584	83	0,6,6	-	-	-		
90	OHX	5	3734	-	0,6,6	-	-	-		
90	OHX	5	3467	-	0,6,6	-	-	-		
90	OHX	5	3743	-	0,6,6	-	-	-		
90	OHX	1	3501	-	0,6,6	-	-	-		
90	OHX	5	3714	83	0,6,6	-	-	-		
90	OHX	5	3411	-	0,6,6	-	-	-		
90	OHX	2	1995	-	0,6,6	-	-	-		
90	OHX	5	3565	83	0,6,6	-	-	-		
90	OHX	1	3653	-	0,6,6	-	-	-		
90	OHX	6	2048	80	0,6,6	-	-	-		
90	OHX	5	3738	83	0,6,6	-	-	-		
90	OHX	2	1902	-	0,6,6	-	-	-		
90	OHX	2	1951	-	0,6,6	-	-	-		
90	OHX	5	3619	-	0,6,6	-	-	-		
90	OHX	C7	201	-	0,6,6	-	-	-		
90	OHX	8	205	-	0,6,6	-	-	-		
94	LEU	5	3402	-	5,7,8	0.44	0	5,8,10	0.60	0
90	OHX	1	3451	-	0,6,6	-	-	-		
90	OHX	6	1918	80	0,6,6	-	-	-		
90	OHX	1	3471	-	0,6,6	-	-	-		
90	OHX	1	3508	-	0,6,6	-	-	-		
90	OHX	5	3683	83	0,6,6	-	-	-		
90	OHX	5	3716	-	0,6,6	-	-	-		
90	OHX	2	1907	-	0,6,6	-	-	-		
90	OHX	N9	101	-	0,6,6	-	-	-		
90	OHX	O4	201	-	0,6,6	-	-	-		
90	OHX	5	3616	-	0,6,6	-	-	-		
90	OHX	5	3471	83	0,6,6	-	-	-		
90	OHX	6	2027	-	0,6,6	-	-	-		
90	OHX	6	2023	80	0,6,6	-	-	-		
90	OHX	5	3498	83	0,6,6	-	-	-		
90	OHX	2	1925	-	0,6,6	-	-	-		
90	OHX	2	1973	-	0,6,6	-	-	-		
90	OHX	1	3534	-	0,6,6	-	-	-		
90	OHX	1	3691	-	0,6,6	-	-	-		
90	OHX	5	3426	-	0,6,6	-	-	-		
90	OHX	5	3537	-	0,6,6	-	-	-		
90	OHX	1	3444	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
90	OHX	5	3462	-	0,6,6	-	-	-		
90	OHX	6	1952	80	0,6,6	-	-	-		
90	OHX	5	3496	-	0,6,6	-	-	-		
90	OHX	6	2043	-	0,6,6	-	-	-		
90	OHX	1	3424	-	0,6,6	-	-	-		
90	OHX	1	3716	-	0,6,6	-	-	-		
90	OHX	1	3415	-	0,6,6	-	-	-		
90	OHX	5	3497	83	0,6,6	-	-	-		
90	OHX	2	1923	1	0,6,6	-	-	-		
95	SPS	1	4125	91	20,23,23	3.41	9 (45%)	18,30,30	5.63	12 (66%)
90	OHX	4	203	-	0,6,6	-	-	-		
90	OHX	5	3504	-	0,6,6	-	-	-		
90	OHX	6	1950	-	0,6,6	-	-	-		
90	OHX	6	1962	80	0,6,6	-	-	-		
90	OHX	5	3487	-	0,6,6	-	-	-		
90	OHX	5	3546	-	0,6,6	-	-	-		
90	OHX	1	3516	-	0,6,6	-	-	-		
90	OHX	1	3729	-	0,6,6	-	-	-		
90	OHX	6	2054	-	0,6,6	-	-	-		
90	OHX	m8	201	-	0,6,6	-	-	-		
90	OHX	1	3674	-	0,6,6	-	-	-		
90	OHX	1	3448	36	0,6,6	-	-	-		
90	OHX	6	1976	80	0,6,6	-	-	-		
90	OHX	6	2003	-	0,6,6	-	-	-		
90	OHX	2	1954	-	0,6,6	-	-	-		
90	OHX	5	3513	83	0,6,6	-	-	-		
90	OHX	5	3568	-	0,6,6	-	-	-		
90	OHX	6	2042	80	0,6,6	-	-	-		
90	OHX	5	3511	83	0,6,6	-	-	-		
90	OHX	5	3640	83	0,6,6	-	-	-		
96	8AN	P	101	91,89	19,24,25	1.06	1 (5%)	13,35,38	1.71	4 (30%)
90	OHX	2	1974	-	0,6,6	-	-	-		
90	OHX	5	3706	-	0,6,6	-	-	-		
90	OHX	1	3657	-	0,6,6	-	-	-		
90	OHX	5	3723	83	0,6,6	-	-	-		
90	OHX	2	1920	-	0,6,6	-	-	-		
90	OHX	2	2033	1	0,6,6	-	-	-		
90	OHX	1	3522	-	0,6,6	-	-	-		
90	OHX	1	3530	36	0,6,6	-	-	-		
90	OHX	1	3553	-	0,6,6	-	-	-		
90	OHX	1	3618	-	0,6,6	-	-	-		
90	OHX	6	2049	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
90	OHX	1	3505	-	0,6,6	-	-	-	-	-
90	OHX	5	3499	83	0,6,6	-	-	-	-	-
90	OHX	5	3728	83	0,6,6	-	-	-	-	-
90	OHX	2	1906	-	0,6,6	-	-	-	-	-
90	OHX	6	1961	-	0,6,6	-	-	-	-	-
90	OHX	2	1949	-	0,6,6	-	-	-	-	-
90	OHX	6	1942	80	0,6,6	-	-	-	-	-
90	OHX	6	2014	80	0,6,6	-	-	-	-	-
90	OHX	5	3536	-	0,6,6	-	-	-	-	-
90	OHX	5	3612	-	0,6,6	-	-	-	-	-
90	OHX	5	3519	-	0,6,6	-	-	-	-	-
90	OHX	2	2010	-	0,6,6	-	-	-	-	-
90	OHX	5	3638	83	0,6,6	-	-	-	-	-
90	OHX	1	3578	-	0,6,6	-	-	-	-	-
90	OHX	6	2029	80	0,6,6	-	-	-	-	-
90	OHX	5	3530	-	0,6,6	-	-	-	-	-
90	OHX	5	3618	-	0,6,6	-	-	-	-	-
90	OHX	2	1980	-	0,6,6	-	-	-	-	-
90	OHX	5	3512	-	0,6,6	-	-	-	-	-
90	OHX	5	3505	-	0,6,6	-	-	-	-	-
90	OHX	1	3403	-	0,6,6	-	-	-	-	-
90	OHX	5	3468	-	0,6,6	-	-	-	-	-
90	OHX	1	3671	-	0,6,6	-	-	-	-	-
90	OHX	5	3625	83	0,6,6	-	-	-	-	-
90	OHX	1	3558	-	0,6,6	-	-	-	-	-
90	OHX	1	3485	-	0,6,6	-	-	-	-	-
90	OHX	5	3475	83	0,6,6	-	-	-	-	-
90	OHX	5	3675	-	0,6,6	-	-	-	-	-
90	OHX	5	3676	-	0,6,6	-	-	-	-	-
90	OHX	7	211	-	0,6,6	-	-	-	-	-
90	OHX	2	2024	-	0,6,6	-	-	-	-	-
90	OHX	5	3412	-	0,6,6	-	-	-	-	-
90	OHX	1	3498	36	0,6,6	-	-	-	-	-
90	OHX	6	2028	80	0,6,6	-	-	-	-	-
90	OHX	1	3488	-	0,6,6	-	-	-	-	-
90	OHX	5	3403	83	0,6,6	-	-	-	-	-
90	OHX	1	3426	-	0,6,6	-	-	-	-	-
90	OHX	4	223	-	0,6,6	-	-	-	-	-
90	OHX	6	1981	80	0,6,6	-	-	-	-	-
90	OHX	1	3462	-	0,6,6	-	-	-	-	-
90	OHX	1	3496	-	0,6,6	-	-	-	-	-
90	OHX	1	3580	-	0,6,6	-	-	-	-	-
90	OHX	8	213	-	0,6,6	-	-	-	-	-

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
90	OHX	5	3680	-	0,6,6	-	-	-		
90	OHX	1	3497	-	0,6,6	-	-	-		
90	OHX	1	3413	-	0,6,6	-	-	-		
90	OHX	5	3686	-	0,6,6	-	-	-		
90	OHX	1	3552	-	0,6,6	-	-	-		
90	OHX	5	3410	-	0,6,6	-	-	-		
90	OHX	5	3429	83	0,6,6	-	-	-		
90	OHX	5	3685	-	0,6,6	-	-	-		
90	OHX	2	1982	-	0,6,6	-	-	-		
90	OHX	6	1930	80	0,6,6	-	-	-		
90	OHX	2	2041	-	0,6,6	-	-	-		
90	OHX	1	3445	-	0,6,6	-	-	-		
90	OHX	6	1985	-	0,6,6	-	-	-		
90	OHX	6	1903	-	0,6,6	-	-	-		
90	OHX	5	3532	83	0,6,6	-	-	-		
90	OHX	1	3603	-	0,6,6	-	-	-		
90	OHX	6	1919	80	0,6,6	-	-	-		
90	OHX	5	3500	-	0,6,6	-	-	-		
90	OHX	1	3724	-	0,6,6	-	-	-		
90	OHX	S9	201	-	0,6,6	-	-	-		
90	OHX	2	2012	1	0,6,6	-	-	-		
90	OHX	2	2006	-	0,6,6	-	-	-		
90	OHX	1	3548	-	0,6,6	-	-	-		
90	OHX	6	2021	-	0,6,6	-	-	-		
90	OHX	6	2022	-	0,6,6	-	-	-		
90	OHX	2	1935	-	0,6,6	-	-	-		
90	OHX	1	3467	-	0,6,6	-	-	-		
90	OHX	1	3615	-	0,6,6	-	-	-		
90	OHX	6	1991	80	0,6,6	-	-	-		
90	OHX	1	3681	-	0,6,6	-	-	-		
90	OHX	6	1954	-	0,6,6	-	-	-		
90	OHX	5	3470	-	0,6,6	-	-	-		
90	OHX	7	201	-	0,6,6	-	-	-		
90	OHX	1	3541	-	0,6,6	-	-	-		
90	OHX	6	1904	-	0,6,6	-	-	-		
90	OHX	5	3430	-	0,6,6	-	-	-		
90	OHX	5	3506	-	0,6,6	-	-	-		
90	OHX	1	3638	-	0,6,6	-	-	-		
90	OHX	5	3649	-	0,6,6	-	-	-		
90	OHX	8	203	-	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
96	8AN	p	101	91,89	-	1/3/25/26	0/3/3/3
95	SPS	1	4125	91	-	1/15/18/18	0/1/1/1
96	8AN	P	101	91,89	-	1/3/25/26	0/3/3/3
94	LEU	1	3402	-	-	4/5/6/8	-
95	SPS	5	4176	91	-	3/15/18/18	0/1/1/1
93	PHE	5	3401	-	-	3/5/6/8	0/1/1/1
93	PHE	1	3401	-	-	3/5/6/8	0/1/1/1
94	LEU	5	3402	-	-	4/5/6/8	-

The worst 5 of 23 bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
95	1	4125	SPS	C9-C8	8.26	1.54	1.33
95	5	4176	SPS	C9-C8	7.69	1.53	1.33
95	5	4176	SPS	C9-C10	-7.39	1.32	1.48
95	1	4125	SPS	C9-C10	-5.96	1.35	1.48
95	1	4125	SPS	C10-N11	5.15	1.46	1.34

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

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
95	1	4125	SPS	C3-N2-C1	12.81	125.96	115.14
95	1	4125	SPS	O15-S15-C16	-11.93	92.28	106.47
95	5	4176	SPS	C3-N2-C1	9.98	123.57	115.14
95	1	4125	SPS	C6-C1-N2	-9.49	117.79	124.40
95	1	4125	SPS	O13-C13-C12	7.47	131.24	111.95

There are no chirality outliers.

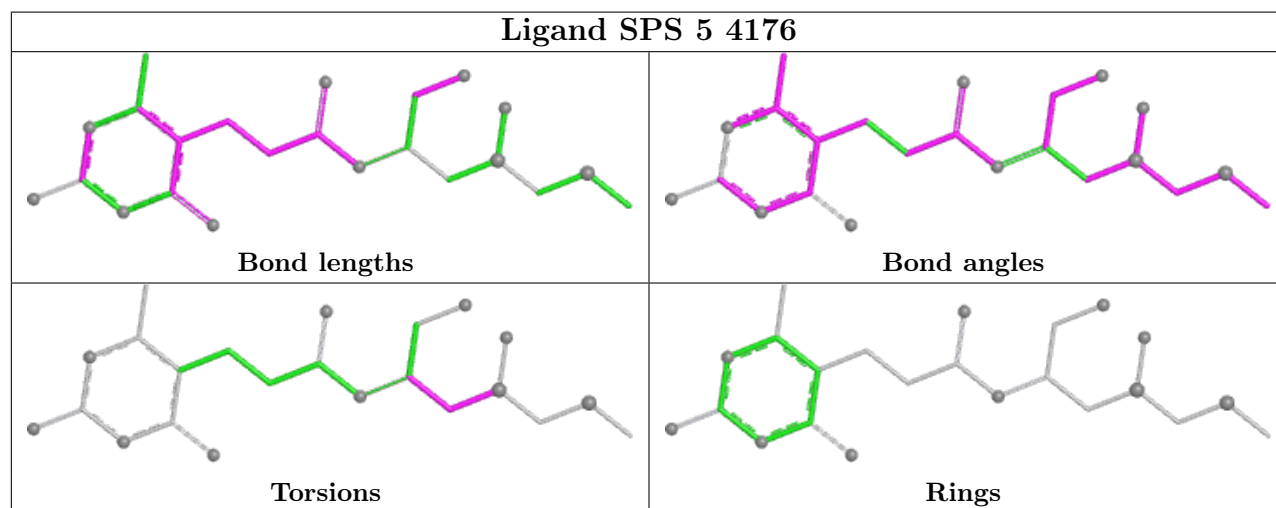
5 of 20 torsion outliers are listed below:

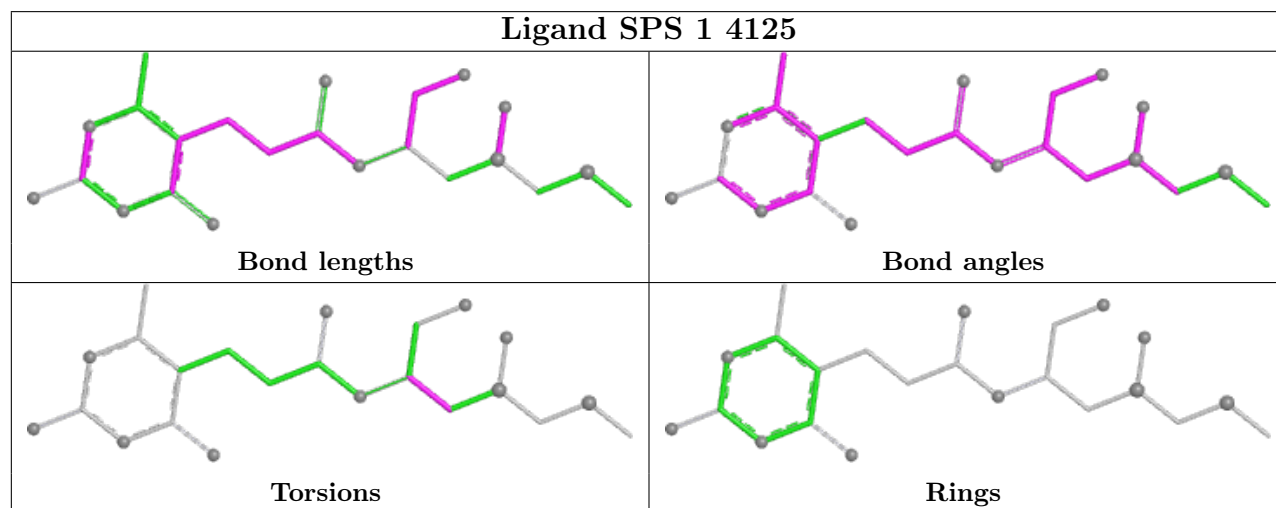
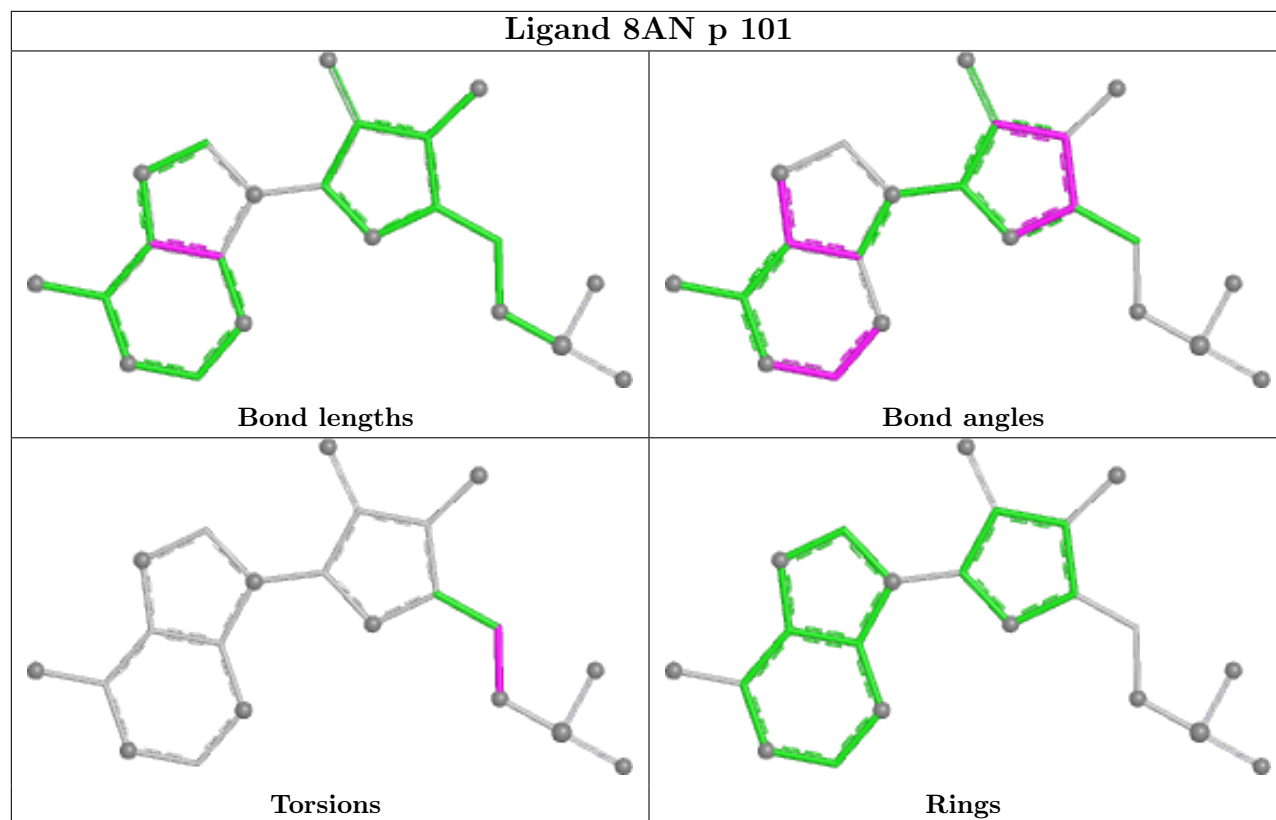
Mol	Chain	Res	Type	Atoms
93	1	3401	PHE	O-C-CA-CB
93	5	3401	PHE	O-C-CA-CB
94	1	3402	LEU	C-CA-CB-CG
94	5	3402	LEU	C-CA-CB-CG
95	1	4125	SPS	N11-C12-C14-S15

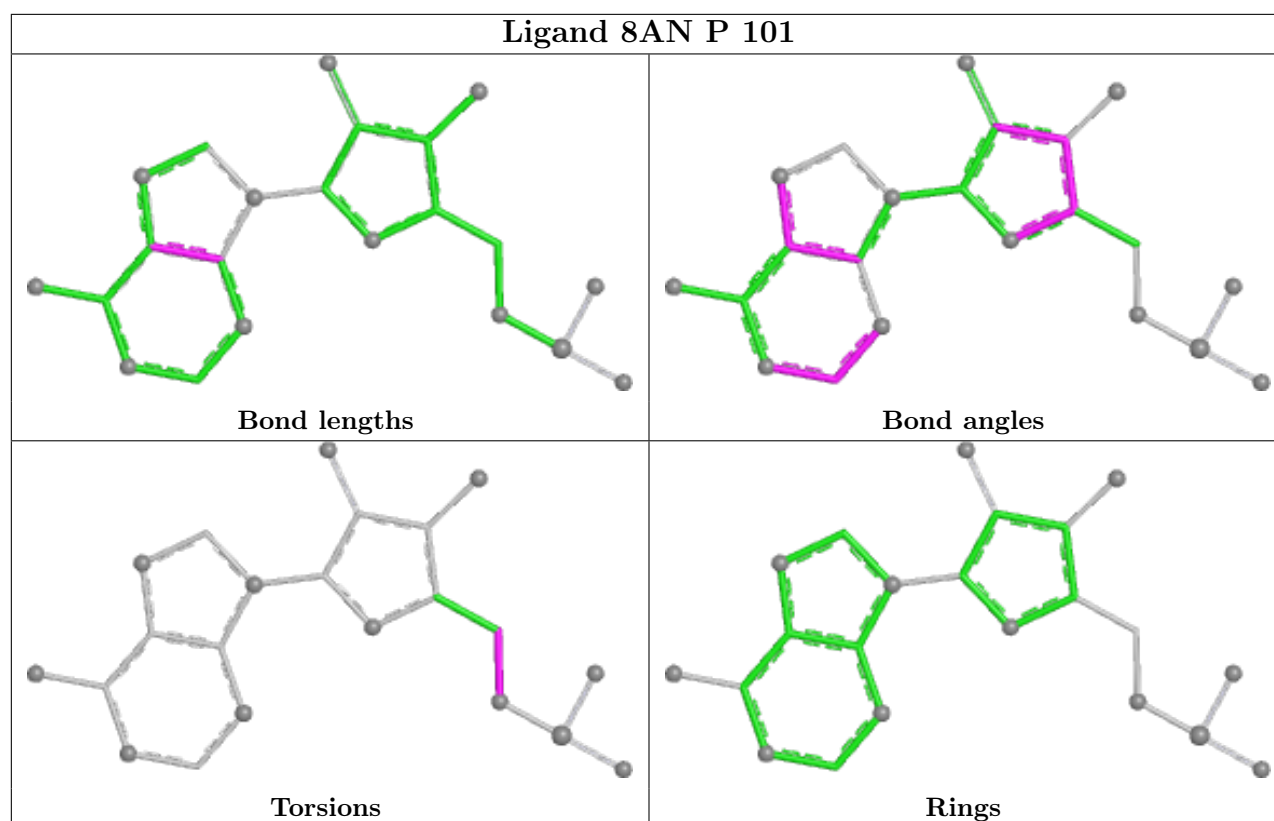
There are no ring outliers.

No monomer is involved in short contacts.

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







5.7 Other polymers [i](#)

There are no such residues in this entry.

5.8 Polymer linkage issues [i](#)

The following chains have linkage breaks:

Mol	Chain	Number of breaks
36	1	3
83	5	3
1	2	2
41	l4	2
13	C1	1
57	n1	1
68	O2	1
40	l3	1
6	S4	1

The worst 5 of 15 chain breaks are listed below:

Model	Chain	Residue-1	Atom-1	Residue-2	Atom-2	Distance (Å)
1	2	1781:U	O3'	1782:C	P	145.43
1	1	1955:U	O3'	2093:A	P	25.58
1	5	2444:C	O3'	2503:G	P	19.59
1	2	658:C	O3'	659:G	P	18.47
1	5	1953:G	O3'	2093:A	P	16.42

6 Fit of model and data i

6.1 Protein, DNA and RNA chains i

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

Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
1	2	1781/1812 (98%)	0.61	139 (7%) 13 13	60, 89, 120, 149	0
2	S0	206/206 (100%)	1.45	61 (29%) 0 0	93, 99, 105, 107	0
2	s0	206/206 (100%)	0.62	18 (8%) 10 11	77, 83, 89, 90	0
3	S1	214/216 (99%)	0.58	18 (8%) 11 11	95, 106, 113, 113	0
3	s1	216/216 (100%)	0.64	12 (5%) 24 22	70, 75, 81, 84	0
4	S2	217/217 (100%)	1.42	67 (30%) 0 0	81, 88, 96, 99	0
4	s2	217/217 (100%)	0.95	32 (14%) 2 3	67, 73, 79, 81	0
5	S3	223/223 (100%)	1.50	67 (30%) 0 0	85, 96, 110, 115	0
5	s3	223/223 (100%)	1.65	80 (35%) 0 0	91, 102, 113, 114	0
6	S4	260/260 (100%)	0.93	32 (12%) 4 5	75, 88, 91, 93	0
6	s4	260/260 (100%)	0.49	9 (3%) 44 39	59, 73, 78, 80	0
7	S5	206/206 (100%)	1.39	57 (27%) 0 0	97, 105, 111, 113	0
7	s5	206/206 (100%)	0.91	42 (20%) 1 1	90, 95, 101, 103	0
8	S6	226/226 (100%)	0.92	43 (19%) 1 1	62, 76, 96, 101	0
8	s6	218/226 (96%)	1.04	41 (18%) 1 1	55, 63, 82, 86	0
9	S7	184/186 (98%)	0.50	14 (7%) 13 14	92, 102, 108, 109	0
9	s7	186/186 (100%)	0.08	7 (3%) 40 36	75, 90, 101, 104	0
10	S8	188/199 (94%)	1.15	36 (19%) 1 1	72, 78, 92, 95	0
10	s8	188/199 (94%)	0.77	19 (10%) 7 7	57, 68, 89, 95	0
11	S9	185/185 (100%)	1.09	35 (18%) 1 1	81, 89, 99, 103	0
11	s9	185/185 (100%)	0.13	3 (1%) 72 66	63, 74, 82, 84	0
12	C0	96/105 (91%)	0.58	9 (9%) 8 9	94, 101, 110, 115	0
12	c0	96/105 (91%)	1.26	25 (26%) 0 0	105, 116, 122, 123	0
13	C1	155/156 (99%)	1.54	42 (27%) 0 0	75, 79, 87, 90	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
13	c1	146/156 (93%)	0.53	9 (6%) 20 18	62, 67, 81, 92	0
14	C2	124/143 (86%)	1.54	43 (34%) 0 0	111, 116, 119, 122	0
14	c2	124/143 (86%)	1.60	34 (27%) 0 0	133, 142, 148, 154	0
15	C3	150/150 (100%)	0.41	9 (6%) 21 19	80, 88, 92, 94	0
15	c3	150/150 (100%)	0.01	2 (1%) 77 71	65, 75, 80, 82	0
16	C4	127/128 (99%)	0.36	11 (8%) 10 11	82, 105, 111, 112	0
16	c4	128/128 (100%)	0.93	17 (13%) 3 4	63, 74, 79, 80	0
17	C5	124/142 (87%)	0.52	9 (7%) 15 15	80, 90, 96, 101	0
17	c5	135/142 (95%)	0.35	10 (7%) 14 14	50, 91, 98, 100	0
18	C6	141/142 (99%)	2.22	68 (48%) 0 0	88, 105, 109, 110	0
18	c6	142/142 (100%)	1.47	42 (29%) 0 0	90, 98, 102, 104	0
19	C7	120/125 (96%)	1.53	41 (34%) 0 0	98, 104, 108, 109	0
19	c7	117/125 (93%)	0.83	17 (14%) 2 3	86, 94, 99, 100	0
20	C8	145/145 (100%)	0.60	9 (6%) 20 18	83, 95, 107, 110	0
20	c8	145/145 (100%)	0.41	10 (6%) 16 16	69, 86, 93, 97	0
21	C9	143/143 (100%)	1.26	31 (21%) 0 0	92, 101, 106, 108	0
21	c9	143/143 (100%)	0.47	12 (8%) 11 11	87, 92, 96, 98	0
22	D0	107/110 (97%)	1.14	26 (24%) 0 0	87, 100, 105, 106	0
22	d0	110/110 (100%)	2.07	51 (46%) 0 0	92, 104, 110, 111	0
23	D1	87/87 (100%)	0.93	16 (18%) 1 1	90, 94, 102, 106	0
23	d1	87/87 (100%)	0.65	5 (5%) 23 21	74, 78, 86, 89	0
24	D2	129/129 (100%)	1.27	29 (22%) 0 0	82, 88, 92, 98	0
24	d2	129/129 (100%)	0.26	0 100 100	67, 73, 75, 76	0
25	D3	144/144 (100%)	0.33	7 (4%) 29 26	71, 76, 79, 80	0
25	d3	144/144 (100%)	0.10	3 (2%) 63 58	57, 59, 64, 66	0
26	D4	134/134 (100%)	0.28	3 (2%) 62 56	76, 88, 92, 94	0
26	d4	134/134 (100%)	0.13	6 (4%) 33 29	60, 71, 74, 76	0
27	D5	70/70 (100%)	0.62	7 (10%) 7 8	104, 108, 111, 112	0
27	d5	69/70 (98%)	0.41	5 (7%) 15 15	93, 97, 100, 101	0
28	D6	97/97 (100%)	1.99	42 (43%) 0 0	84, 91, 112, 113	0
28	d6	97/97 (100%)	1.98	51 (52%) 0 0	65, 72, 81, 83	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
29	D7	81/81 (100%)	1.08	13 (16%) 1 2	90, 94, 99, 100	0
29	d7	81/81 (100%)	0.64	4 (4%) 29 26	74, 80, 88, 89	0
30	D8	63/63 (100%)	2.18	32 (50%) 0 0	98, 107, 112, 113	0
30	d8	63/63 (100%)	2.42	40 (63%) 0 0	90, 95, 99, 100	0
31	D9	53/53 (100%)	0.46	2 (3%) 40 36	89, 91, 96, 97	0
31	d9	53/53 (100%)	1.26	13 (24%) 0 0	93, 97, 113, 120	0
32	E0	60/62 (96%)	0.93	9 (15%) 2 3	72, 87, 97, 101	0
32	e0	62/62 (100%)	0.30	6 (9%) 7 8	58, 72, 77, 80	0
33	E1	71/76 (93%)	0.57	8 (11%) 5 6	92, 108, 113, 113	0
33	e1	76/76 (100%)	0.91	15 (19%) 1 1	99, 127, 139, 140	0
34	SR	318/318 (100%)	1.37	84 (26%) 0 0	104, 111, 118, 122	0
35	SM	133/299 (44%)	1.23	28 (21%) 1 1	55, 83, 97, 98	0
36	1	3149/3149 (100%)	0.17	64 (2%) 65 60	31, 49, 82, 154	0
37	3	121/121 (100%)	-0.14	4 (3%) 46 41	41, 59, 64, 65	0
37	7	121/121 (100%)	-0.22	1 (0%) 86 81	36, 47, 51, 54	0
38	4	158/158 (100%)	0.01	1 (0%) 89 86	33, 45, 63, 84	0
38	8	158/158 (100%)	0.05	2 (1%) 77 71	36, 49, 68, 76	0
39	L2	252/252 (100%)	0.32	7 (2%) 53 47	40, 52, 61, 73	0
39	l2	252/252 (100%)	0.18	5 (1%) 65 60	39, 53, 62, 66	0
40	L3	386/386 (100%)	-0.20	2 (0%) 91 88	38, 50, 58, 62	0
40	l3	386/386 (100%)	-0.30	2 (0%) 91 88	32, 39, 47, 58	0
41	L4	361/361 (100%)	-0.28	0 100 100	31, 37, 47, 51	0
41	l4	361/361 (100%)	-0.22	1 (0%) 94 91	33, 41, 48, 58	0
42	L5	296/296 (100%)	0.61	36 (12%) 4 5	50, 60, 67, 69	0
42	l5	294/296 (99%)	0.02	4 (1%) 75 69	43, 49, 57, 66	0
43	L6	156/175 (89%)	-0.36	0 100 100	38, 46, 49, 55	0
43	l6	157/175 (89%)	-0.29	3 (1%) 66 61	40, 46, 49, 52	0
44	L7	222/223 (99%)	-0.09	0 100 100	36, 40, 48, 50	0
44	l7	223/223 (100%)	-0.28	0 100 100	34, 38, 48, 54	0
45	L8	233/233 (100%)	0.28	5 (2%) 63 58	54, 60, 74, 77	0
46	L9	191/191 (100%)	0.38	13 (6%) 17 16	48, 51, 53, 59	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
46	l9	191/191 (100%)	0.22	4 (2%) 63 58	39, 44, 52, 63	0
47	M0	211/220 (95%)	-0.05	1 (0%) 91 88	39, 48, 61, 66	0
47	m0	213/220 (96%)	0.18	8 (3%) 40 36	36, 42, 57, 67	0
48	M1	169/169 (100%)	0.81	18 (10%) 6 6	57, 67, 73, 76	0
48	m1	169/169 (100%)	-0.27	0 100 100	44, 54, 59, 63	0
49	M3	193/194 (99%)	0.03	2 (1%) 82 77	33, 46, 59, 74	0
49	m3	194/194 (100%)	-0.05	5 (2%) 56 49	35, 50, 61, 70	0
50	M4	136/137 (99%)	-0.18	3 (2%) 62 56	45, 49, 54, 56	0
50	m4	137/137 (100%)	-0.34	1 (0%) 87 83	39, 43, 52, 60	0
51	M5	203/203 (100%)	0.14	0 100 100	35, 46, 54, 56	0
51	m5	203/203 (100%)	0.04	1 (0%) 91 88	38, 50, 57, 59	0
52	M6	197/197 (100%)	-0.08	2 (1%) 82 77	39, 42, 50, 52	0
52	m6	197/197 (100%)	-0.29	0 100 100	32, 36, 49, 50	0
53	M7	183/183 (100%)	0.10	10 (5%) 25 22	38, 43, 58, 62	0
53	m7	155/183 (84%)	-0.30	0 100 100	34, 37, 40, 43	0
54	M8	185/185 (100%)	0.08	0 100 100	36, 44, 54, 61	0
54	m8	185/185 (100%)	0.06	0 100 100	35, 44, 48, 50	0
55	M9	188/188 (100%)	0.20	7 (3%) 41 37	49, 61, 103, 111	0
55	m9	188/188 (100%)	-0.01	1 (0%) 91 88	43, 55, 98, 106	0
56	N0	172/172 (100%)	0.73	21 (12%) 4 5	42, 46, 51, 53	0
56	n0	172/172 (100%)	-0.10	1 (0%) 89 86	36, 39, 44, 48	0
57	N1	159/159 (100%)	0.47	6 (3%) 40 36	40, 47, 56, 57	0
57	n1	159/159 (100%)	0.44	8 (5%) 28 25	36, 42, 53, 55	0
58	N2	100/100 (100%)	0.34	5 (5%) 28 25	65, 69, 72, 73	0
58	n2	98/100 (98%)	0.14	4 (4%) 37 33	56, 59, 60, 61	0
59	N3	136/136 (100%)	0.07	3 (2%) 62 56	43, 49, 52, 54	0
59	n3	136/136 (100%)	0.05	0 100 100	33, 37, 41, 43	0
60	N4	98/98 (100%)	2.05	30 (30%) 0 0	49, 59, 89, 91	0
61	N5	121/121 (100%)	0.22	2 (1%) 70 64	43, 45, 62, 72	0
61	n5	120/121 (99%)	0.12	1 (0%) 86 81	44, 48, 65, 67	0
62	N6	126/126 (100%)	0.00	1 (0%) 86 81	35, 41, 44, 45	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
62	n6	126/126 (100%)	-0.14	0 100 100	38, 45, 49, 50	0
63	N7	135/135 (100%)	0.53	7 (5%) 27 24	62, 67, 76, 79	0
63	n7	135/135 (100%)	0.46	7 (5%) 27 24	65, 71, 78, 83	0
64	N8	148/148 (100%)	0.02	0 100 100	31, 43, 50, 57	0
64	n8	148/148 (100%)	0.04	1 (0%) 87 83	31, 45, 48, 50	0
65	N9	58/58 (100%)	0.28	0 100 100	36, 49, 66, 71	0
65	n9	58/58 (100%)	0.30	3 (5%) 27 24	34, 45, 52, 53	0
66	O0	97/100 (97%)	0.15	3 (3%) 49 43	60, 64, 70, 71	0
66	o0	100/100 (100%)	0.46	5 (5%) 28 25	61, 66, 73, 75	0
67	O1	109/109 (100%)	0.28	3 (2%) 53 47	51, 55, 59, 67	0
67	o1	109/109 (100%)	0.17	2 (1%) 68 62	41, 43, 47, 49	0
68	O2	127/127 (100%)	-0.20	0 100 100	32, 39, 41, 43	0
68	o2	127/127 (100%)	-0.19	0 100 100	31, 40, 43, 44	0
69	O3	106/106 (100%)	-0.19	0 100 100	37, 42, 50, 52	0
69	o3	106/106 (100%)	-0.10	0 100 100	34, 40, 50, 51	0
70	O4	112/112 (100%)	0.53	4 (3%) 42 38	47, 60, 70, 73	0
70	o4	112/112 (100%)	0.56	4 (3%) 42 38	46, 62, 70, 72	0
71	O5	119/119 (100%)	0.02	1 (0%) 86 81	42, 44, 56, 58	0
71	o5	119/119 (100%)	-0.16	1 (0%) 86 81	46, 48, 60, 64	0
72	O6	99/99 (100%)	-0.15	2 (2%) 65 60	44, 54, 62, 66	0
72	o6	99/99 (100%)	-0.28	0 100 100	48, 57, 62, 66	0
73	O7	87/87 (100%)	0.13	1 (1%) 80 75	35, 41, 46, 49	0
73	o7	87/87 (100%)	0.25	3 (3%) 45 40	37, 42, 51, 58	0
74	O8	77/77 (100%)	-0.41	1 (1%) 77 71	57, 60, 66, 66	0
74	o8	77/77 (100%)	0.55	3 (3%) 39 35	59, 63, 66, 68	0
75	O9	50/50 (100%)	0.09	0 100 100	40, 42, 44, 45	0
75	o9	50/50 (100%)	0.24	0 100 100	40, 44, 46, 49	0
76	Q0	52/52 (100%)	-0.03	1 (1%) 66 61	46, 49, 50, 52	0
76	q0	52/52 (100%)	-0.26	0 100 100	38, 39, 43, 45	0
77	Q1	25/25 (100%)	-0.10	0 100 100	60, 70, 78, 78	0
77	q1	25/25 (100%)	-0.32	0 100 100	49, 56, 59, 60	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
78	Q2	105/105 (100%)	0.75	11 (10%) 6 7	38, 49, 58, 66	0
78	q2	105/105 (100%)	0.76	9 (8%) 10 11	37, 44, 49, 57	0
79	Q3	91/91 (100%)	0.35	5 (5%) 25 22	49, 53, 57, 58	0
79	q3	91/91 (100%)	0.19	3 (3%) 46 41	45, 53, 60, 64	0
80	6	1795/1800 (99%)	0.47	132 (7%) 14 14	46, 75, 111, 134	0
81	sR	318/318 (100%)	1.45	94 (29%) 0 0	90, 107, 111, 114	0
82	sM	104/273 (38%)	0.67	15 (14%) 2 3	45, 89, 142, 143	0
83	5	3150/3150 (100%)	0.17	54 (1%) 70 64	31, 45, 82, 107	0
84	l8	231/256 (90%)	0.22	11 (4%) 30 27	58, 64, 78, 81	0
85	m2	150/165 (90%)	1.03	29 (19%) 1 1	65, 93, 100, 101	0
86	n4	135/135 (100%)	1.01	33 (24%) 0 0	37, 62, 81, 82	0
87	p0	143/312 (45%)	1.34	31 (21%) 0 0	78, 91, 138, 143	0
88	p1	47/128 (36%)	2.03	17 (36%) 0 0	114, 142, 154, 156	0
88	p2	46/128 (35%)	1.95	19 (41%) 0 0	168, 176, 181, 181	0
89	P	2/4 (50%)	-0.02	0 100 100	38, 38, 38, 40	0
89	p	2/4 (50%)	0.86	0 100 100	34, 34, 34, 38	0
All	All	33315/34306 (97%)	0.42	2597 (7%) 13 13	31, 60, 108, 181	0

The worst 5 of 2597 RSRZ outliers are listed below:

Mol	Chain	Res	Type	RSRZ
14	c2	20	ALA	14.0
60	N4	88	ASP	13.2
60	N4	75	THR	11.3
1	2	1805	C	11.3
1	2	1807	C	11.1

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

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

6.3 Carbohydrates [i](#)

There are no monosaccharides in this entry.

6.4 Ligands i

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

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
91	MG	6	2136	1/1	-0.06	0.46	75,75,75,75	0
91	MG	6	2166	1/1	0.14	0.52	114,114,114,114	0
91	MG	6	2152	1/1	0.19	1.16	62,62,62,62	0
91	MG	2	2117	1/1	0.20	0.59	94,94,94,94	0
91	MG	1	4043	1/1	0.22	0.35	52,52,52,52	0
91	MG	1	3847	1/1	0.22	1.15	36,36,36,36	0
91	MG	2	2094	1/1	0.23	0.73	81,81,81,81	0
91	MG	6	2073	1/1	0.31	0.47	91,91,91,91	0
91	MG	2	2059	1/1	0.32	0.33	86,86,86,86	0
91	MG	2	2139	1/1	0.38	0.34	93,93,93,93	0
91	MG	2	2108	1/1	0.42	0.40	92,92,92,92	0
91	MG	s6	301	1/1	0.45	1.02	67,67,67,67	0
91	MG	5	3807	1/1	0.45	0.24	88,88,88,88	0
91	MG	6	2086	1/1	0.46	0.28	75,75,75,75	0
91	MG	6	2111	1/1	0.46	0.48	69,69,69,69	0
91	MG	6	2133	1/1	0.46	0.45	94,94,94,94	0
91	MG	c8	203	1/1	0.46	0.39	84,84,84,84	0
91	MG	1	3938	1/1	0.46	0.32	54,54,54,54	0
91	MG	1	3764	1/1	0.47	0.80	42,42,42,42	0
91	MG	C1	201	1/1	0.48	0.67	76,76,76,76	0
91	MG	6	2182	1/1	0.49	0.32	66,66,66,66	0
91	MG	d7	102	1/1	0.49	0.44	74,74,74,74	0
91	MG	1	4063	1/1	0.49	0.52	43,43,43,43	0
91	MG	6	2114	1/1	0.52	0.51	89,89,89,89	0
91	MG	1	4031	1/1	0.53	0.61	34,34,34,34	0
91	MG	5	4084	1/1	0.53	0.48	34,34,34,34	0
91	MG	2	2141	1/1	0.55	0.62	79,79,79,79	0
91	MG	1	3782	1/1	0.56	0.54	41,41,41,41	0
91	MG	o9	101	1/1	0.56	0.60	41,41,41,41	0
91	MG	6	2147	1/1	0.57	0.52	66,66,66,66	0
91	MG	5	4147	1/1	0.57	0.36	41,41,41,41	0
91	MG	1	4117	1/1	0.57	0.34	43,43,43,43	0
91	MG	6	2140	1/1	0.58	0.12	71,71,71,71	0
91	MG	1	3964	1/1	0.59	0.63	51,51,51,51	0
91	MG	1	3914	1/1	0.60	0.95	50,50,50,50	0
91	MG	5	3948	1/1	0.60	0.42	43,43,43,43	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
91	MG	1	3773	1/1	0.60	0.67	51,51,51,51	0
91	MG	6	2082	1/1	0.60	0.37	87,87,87,87	0
91	MG	n6	201	1/1	0.60	0.50	46,46,46,46	0
91	MG	6	2178	1/1	0.60	0.34	67,67,67,67	0
91	MG	5	4062	1/1	0.62	0.43	59,59,59,59	0
91	MG	4	236	1/1	0.62	0.25	43,43,43,43	0
91	MG	5	4122	1/1	0.62	0.47	37,37,37,37	0
91	MG	6	2180	1/1	0.62	0.92	98,98,98,98	0
91	MG	7	225	1/1	0.62	1.62	44,44,44,44	0
91	MG	6	2091	1/1	0.62	0.74	66,66,66,66	0
91	MG	6	2169	1/1	0.62	0.34	97,97,97,97	0
93	PHE	5	3401	11/12	0.62	0.53	31,31,41,41	0
91	MG	1	4053	1/1	0.63	0.43	34,34,34,34	0
91	MG	5	4175	1/1	0.63	0.28	39,39,39,39	0
91	MG	S4	301	1/1	0.63	0.63	83,83,83,83	0
91	MG	1	3743	1/1	0.64	0.46	52,52,52,52	0
91	MG	6	2125	1/1	0.64	0.98	57,57,57,57	0
91	MG	5	3988	1/1	0.64	0.79	35,35,35,35	0
91	MG	6	2092	1/1	0.64	0.20	88,88,88,88	0
91	MG	6	2093	1/1	0.64	0.41	90,90,90,90	0
92	ZN	D7	101	1/1	0.64	0.29	100,100,100,100	0
91	MG	1	3952	1/1	0.64	0.29	48,48,48,48	0
91	MG	5	3969	1/1	0.65	0.70	73,73,73,73	0
91	MG	M7	202	1/1	0.65	0.81	52,52,52,52	0
91	MG	1	4077	1/1	0.65	0.48	40,40,40,40	0
91	MG	5	3809	1/1	0.65	0.56	39,39,39,39	0
91	MG	5	3838	1/1	0.65	0.54	45,45,45,45	0
91	MG	6	2167	1/1	0.65	1.09	55,55,55,55	0
91	MG	5	4139	1/1	0.66	0.25	60,60,60,60	0
91	MG	1	4093	1/1	0.66	0.69	55,55,55,55	0
91	MG	1	3831	1/1	0.66	0.42	31,31,31,31	0
91	MG	6	2120	1/1	0.66	0.48	102,102,102,102	0
91	MG	5	3806	1/1	0.67	0.26	50,50,50,50	0
91	MG	1	3808	1/1	0.67	0.30	37,37,37,37	0
91	MG	2	2113	1/1	0.67	0.31	101,101,101,101	0
91	MG	1	3955	1/1	0.68	0.29	50,50,50,50	0
91	MG	6	2130	1/1	0.68	0.46	67,67,67,67	0
91	MG	2	2100	1/1	0.68	0.39	102,102,102,102	0
91	MG	5	4132	1/1	0.68	0.40	50,50,50,50	0
91	MG	d4	202	1/1	0.68	0.27	65,65,65,65	0
91	MG	5	4010	1/1	0.68	0.13	44,44,44,44	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
91	MG	6	2076	1/1	0.69	0.36	70,70,70,70	0
91	MG	6	2129	1/1	0.69	0.64	61,61,61,61	0
91	MG	6	2080	1/1	0.69	0.68	63,63,63,63	0
91	MG	1	3946	1/1	0.69	0.59	98,98,98,98	0
91	MG	O7	105	1/1	0.69	0.55	42,42,42,42	0
91	MG	1	3735	1/1	0.69	0.49	125,125,125,125	0
91	MG	5	3971	1/1	0.69	0.22	84,84,84,84	0
91	MG	5	3763	1/1	0.70	0.47	34,34,34,34	0
91	MG	1	4042	1/1	0.70	0.51	43,43,43,43	0
91	MG	2	2075	1/1	0.70	0.24	96,96,96,96	0
91	MG	1	3984	1/1	0.70	0.88	42,42,42,42	0
91	MG	5	3831	1/1	0.70	0.60	44,44,44,44	0
91	MG	m6	204	1/1	0.70	0.38	34,34,34,34	0
91	MG	2	2076	1/1	0.70	0.53	86,86,86,86	0
91	MG	5	4097	1/1	0.70	0.70	52,52,52,52	0
91	MG	5	4107	1/1	0.70	0.81	42,42,42,42	0
91	MG	1	4075	1/1	0.70	0.30	59,59,59,59	0
91	MG	5	3754	1/1	0.71	0.60	45,45,45,45	0
91	MG	1	3944	1/1	0.71	0.59	45,45,45,45	0
91	MG	5	4086	1/1	0.71	0.41	41,41,41,41	0
91	MG	2	2098	1/1	0.71	0.22	87,87,87,87	0
91	MG	D9	103	1/1	0.71	0.33	92,92,92,92	0
91	MG	1	3817	1/1	0.71	0.42	51,51,51,51	0
91	MG	2	2092	1/1	0.71	0.41	80,80,80,80	0
91	MG	2	2101	1/1	0.71	0.47	79,79,79,79	0
91	MG	5	3891	1/1	0.71	0.34	43,43,43,43	0
91	MG	1	4000	1/1	0.71	0.41	61,61,61,61	0
91	MG	2	2106	1/1	0.71	0.24	96,96,96,96	0
91	MG	2	2084	1/1	0.71	0.66	88,88,88,88	0
91	MG	6	2145	1/1	0.71	0.14	89,89,89,89	0
91	MG	6	2098	1/1	0.71	0.86	99,99,99,99	0
91	MG	5	4019	1/1	0.71	0.55	50,50,50,50	0
91	MG	5	4055	1/1	0.71	0.23	48,48,48,48	0
91	MG	2	2118	1/1	0.72	0.42	92,92,92,92	0
91	MG	6	2153	1/1	0.72	0.36	86,86,86,86	0
91	MG	5	4034	1/1	0.72	0.23	89,89,89,89	0
91	MG	5	4039	1/1	0.72	0.37	43,43,43,43	0
91	MG	5	4168	1/1	0.72	0.62	41,41,41,41	0
91	MG	2	2110	1/1	0.72	0.49	76,76,76,76	0
91	MG	5	3946	1/1	0.73	0.33	61,61,61,61	0
91	MG	5	3813	1/1	0.73	0.34	40,40,40,40	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
91	MG	2	2062	1/1	0.73	0.28	98,98,98,98	0
91	MG	5	4115	1/1	0.73	0.26	63,63,63,63	0
91	MG	5	4048	1/1	0.73	0.44	57,57,57,57	0
91	MG	2	2089	1/1	0.73	0.41	85,85,85,85	0
91	MG	1	4062	1/1	0.73	0.33	105,105,105,105	0
91	MG	5	3943	1/1	0.73	0.47	44,44,44,44	0
91	MG	6	2141	1/1	0.74	0.54	95,95,95,95	0
91	MG	d3	201	1/1	0.74	0.56	55,55,55,55	0
91	MG	5	4172	1/1	0.74	0.17	81,81,81,81	0
91	MG	1	4109	1/1	0.74	0.36	43,43,43,43	0
91	MG	5	4112	1/1	0.74	0.74	62,62,62,62	0
91	MG	L4	404	1/1	0.74	0.41	31,31,31,31	0
91	MG	sM	301	1/1	0.74	0.27	45,45,45,45	0
91	MG	o2	201	1/1	0.74	0.46	32,32,32,32	0
91	MG	5	4126	1/1	0.74	0.63	57,57,57,57	0
91	MG	6	2183	1/1	0.74	0.49	72,72,72,72	0
91	MG	6	2062	1/1	0.74	0.77	61,61,61,61	0
91	MG	5	4021	1/1	0.75	0.73	33,33,33,33	0
91	MG	6	2156	1/1	0.75	0.48	68,68,68,68	0
91	MG	6	2106	1/1	0.75	0.57	60,60,60,60	0
91	MG	1	3989	1/1	0.75	0.48	40,40,40,40	0
91	MG	5	3833	1/1	0.75	0.34	40,40,40,40	0
91	MG	5	3985	1/1	0.75	0.68	42,42,42,42	0
91	MG	1	3937	1/1	0.75	0.20	57,57,57,57	0
91	MG	1	4024	1/1	0.75	0.50	49,49,49,49	0
91	MG	1	3960	1/1	0.75	0.40	40,40,40,40	0
91	MG	5	4104	1/1	0.76	0.09	93,93,93,93	0
91	MG	1	3751	1/1	0.76	0.36	38,38,38,38	0
91	MG	6	2105	1/1	0.76	0.62	65,65,65,65	0
91	MG	2	2114	1/1	0.76	0.77	77,77,77,77	0
91	MG	2	2131	1/1	0.76	0.31	80,80,80,80	0
91	MG	2	2078	1/1	0.76	0.51	92,92,92,92	0
91	MG	5	3778	1/1	0.76	0.30	57,57,57,57	0
91	MG	1	3873	1/1	0.76	0.44	33,33,33,33	0
91	MG	1	3785	1/1	0.76	0.56	51,51,51,51	0
92	ZN	e1	501	1/1	0.76	0.07	130,130,130,130	0
91	MG	5	4154	1/1	0.76	0.34	50,50,50,50	0
91	MG	1	4008	1/1	0.77	0.49	34,34,34,34	0
91	MG	5	4037	1/1	0.77	0.43	39,39,39,39	0
91	MG	2	2132	1/1	0.77	0.45	76,76,76,76	0
91	MG	1	3963	1/1	0.77	1.14	45,45,45,45	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
91	MG	6	2102	1/1	0.77	0.53	96,96,96,96	0
91	MG	5	3762	1/1	0.77	0.22	50,50,50,50	0
91	MG	5	4065	1/1	0.77	0.58	37,37,37,37	0
91	MG	6	2137	1/1	0.77	0.47	85,85,85,85	0
91	MG	1	4079	1/1	0.77	0.44	54,54,54,54	0
91	MG	5	4096	1/1	0.77	0.39	45,45,45,45	0
91	MG	1	3931	1/1	0.77	0.30	37,37,37,37	0
91	MG	1	3951	1/1	0.77	0.29	32,32,32,32	0
91	MG	1	4052	1/1	0.77	0.43	59,59,59,59	0
91	MG	1	3854	1/1	0.77	0.81	56,56,56,56	0
91	MG	5	3815	1/1	0.77	0.34	46,46,46,46	0
91	MG	2	2068	1/1	0.77	0.86	75,75,75,75	0
91	MG	5	3751	1/1	0.78	0.34	45,45,45,45	0
91	MG	1	3732	1/1	0.78	0.90	48,48,48,48	0
91	MG	2	2056	1/1	0.78	0.31	74,74,74,74	0
91	MG	2	2064	1/1	0.78	0.40	85,85,85,85	0
91	MG	6	2175	1/1	0.78	0.38	64,64,64,64	0
91	MG	1	4004	1/1	0.78	0.33	40,40,40,40	0
91	MG	N0	202	1/1	0.78	0.39	44,44,44,44	0
91	MG	2	2061	1/1	0.78	0.53	83,83,83,83	0
91	MG	1	3825	1/1	0.78	0.36	49,49,49,49	0
91	MG	6	2067	1/1	0.78	0.42	57,57,57,57	0
91	MG	5	3819	1/1	0.78	0.27	41,41,41,41	0
91	MG	c6	201	1/1	0.78	0.43	90,90,90,90	0
91	MG	C9	201	1/1	0.78	0.49	96,96,96,96	0
91	MG	2	2070	1/1	0.78	0.75	71,71,71,71	0
91	MG	l6	201	1/1	0.78	0.46	44,44,44,44	0
91	MG	l9	202	1/1	0.78	0.33	41,41,41,41	0
91	MG	m5	304	1/1	0.78	0.40	47,47,47,47	0
91	MG	5	3874	1/1	0.78	0.63	35,35,35,35	0
91	MG	5	4066	1/1	0.78	0.30	42,42,42,42	0
91	MG	1	4102	1/1	0.78	0.39	39,39,39,39	0
91	MG	5	3895	1/1	0.78	0.43	48,48,48,48	0
91	MG	1	3976	1/1	0.78	0.53	36,36,36,36	0
91	MG	6	2159	1/1	0.78	0.20	88,88,88,88	0
91	MG	5	4102	1/1	0.78	0.64	43,43,43,43	0
91	MG	5	4153	1/1	0.79	0.43	52,52,52,52	0
91	MG	5	3998	1/1	0.79	0.35	39,39,39,39	0
91	MG	5	4007	1/1	0.79	0.63	48,48,48,48	0
91	MG	5	4171	1/1	0.79	0.51	31,31,31,31	0
91	MG	5	4092	1/1	0.79	0.36	34,34,34,34	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
91	MG	5	3860	1/1	0.79	0.56	32,32,32,32	0
91	MG	1	3932	1/1	0.79	0.49	37,37,37,37	0
91	MG	5	4020	1/1	0.79	0.30	65,65,65,65	0
91	MG	2	2112	1/1	0.79	0.63	83,83,83,83	0
91	MG	2	2072	1/1	0.79	0.33	83,83,83,83	0
91	MG	1	3953	1/1	0.79	0.31	55,55,55,55	0
91	MG	1	4096	1/1	0.79	0.27	49,49,49,49	0
91	MG	1	4012	1/1	0.79	0.46	50,50,50,50	0
91	MG	6	2064	1/1	0.79	0.48	68,68,68,68	0
91	MG	1	3826	1/1	0.79	0.39	33,33,33,33	0
91	MG	6	2154	1/1	0.79	0.33	94,94,94,94	0
91	MG	1	4025	1/1	0.79	0.40	49,49,49,49	0
94	LEU	5	3402	8/9	0.79	0.35	36,36,36,36	0
91	MG	6	2115	1/1	0.80	0.41	69,69,69,69	0
91	MG	4	232	1/1	0.80	0.29	72,72,72,72	0
91	MG	1	3979	1/1	0.80	0.38	48,48,48,48	0
91	MG	6	2071	1/1	0.80	0.64	63,63,63,63	0
91	MG	7	212	1/1	0.80	0.53	46,46,46,46	0
91	MG	5	3789	1/1	0.80	0.57	36,36,36,36	0
91	MG	13	404	1/1	0.80	0.34	32,32,32,32	0
91	MG	15	303	1/1	0.80	0.09	50,50,50,50	0
91	MG	5	3792	1/1	0.80	0.54	39,39,39,39	0
91	MG	5	3900	1/1	0.80	0.24	49,49,49,49	0
91	MG	5	3805	1/1	0.80	0.40	36,36,36,36	0
91	MG	1	3981	1/1	0.80	0.27	58,58,58,58	0
91	MG	1	3809	1/1	0.80	0.48	49,49,49,49	0
91	MG	5	4128	1/1	0.80	0.36	33,33,33,33	0
91	MG	2	2138	1/1	0.80	0.80	87,87,87,87	0
91	MG	1	3818	1/1	0.80	0.29	62,62,62,62	0
91	MG	6	2108	1/1	0.80	0.45	63,63,63,63	0
91	MG	6	2085	1/1	0.80	0.56	58,58,58,58	0
91	MG	4	227	1/1	0.80	0.49	47,47,47,47	0
91	MG	1	4098	1/1	0.81	0.57	58,58,58,58	0
91	MG	1	3912	1/1	0.81	0.51	43,43,43,43	0
91	MG	1	3756	1/1	0.81	0.44	43,43,43,43	0
91	MG	5	4059	1/1	0.81	0.67	33,33,33,33	0
91	MG	6	2079	1/1	0.81	0.48	72,72,72,72	0
91	MG	2	2125	1/1	0.81	0.54	78,78,78,78	0
91	MG	1	3868	1/1	0.81	0.38	41,41,41,41	0
91	MG	6	2128	1/1	0.81	0.40	88,88,88,88	0
91	MG	1	3869	1/1	0.81	0.45	49,49,49,49	0
91	MG	2	2095	1/1	0.81	0.41	80,80,80,80	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
91	MG	6	2088	1/1	0.81	0.37	65,65,65,65	0
91	MG	1	4014	1/1	0.81	0.37	36,36,36,36	0
91	MG	1	4076	1/1	0.81	0.56	51,51,51,51	0
91	MG	5	4004	1/1	0.81	0.72	29,29,29,29	0
91	MG	1	3887	1/1	0.81	0.42	35,35,35,35	0
91	MG	1	3899	1/1	0.81	0.37	33,33,33,33	0
91	MG	5	4017	1/1	0.81	0.26	42,42,42,42	0
91	MG	1	4086	1/1	0.81	0.36	41,41,41,41	0
91	MG	1	4026	1/1	0.81	0.71	39,39,39,39	0
91	MG	1	3904	1/1	0.81	0.64	38,38,38,38	0
91	MG	6	2107	1/1	0.81	0.47	63,63,63,63	0
91	MG	5	3866	1/1	0.81	0.44	33,33,33,33	0
91	MG	6	2138	1/1	0.82	0.17	82,82,82,82	0
91	MG	6	2094	1/1	0.82	0.24	77,77,77,77	0
91	MG	1	3845	1/1	0.82	0.61	38,38,38,38	0
91	MG	6	2124	1/1	0.82	0.28	89,89,89,89	0
91	MG	5	3945	1/1	0.82	0.67	32,32,32,32	0
91	MG	7	223	1/1	0.82	0.27	36,36,36,36	0
91	MG	5	4031	1/1	0.82	0.53	54,54,54,54	0
91	MG	8	221	1/1	0.82	0.73	46,46,46,46	0
91	MG	8	224	1/1	0.82	0.27	53,53,53,53	0
91	MG	1	3803	1/1	0.82	0.49	46,46,46,46	0
91	MG	1	3776	1/1	0.82	0.53	47,47,47,47	0
91	MG	4	237	1/1	0.82	0.38	31,31,31,31	0
91	MG	5	4117	1/1	0.82	0.31	43,43,43,43	0
91	MG	5	3770	1/1	0.82	0.33	41,41,41,41	0
91	MG	C8	201	1/1	0.82	0.08	94,94,94,94	0
91	MG	5	4056	1/1	0.82	0.22	40,40,40,40	0
91	MG	5	3986	1/1	0.82	0.41	60,60,60,60	0
91	MG	2	2128	1/1	0.82	0.36	89,89,89,89	0
91	MG	1	4118	1/1	0.82	0.20	44,44,44,44	0
91	MG	5	3867	1/1	0.82	0.29	40,40,40,40	0
91	MG	N6	201	1/1	0.82	0.42	40,40,40,40	0
91	MG	5	4162	1/1	0.82	0.61	49,49,49,49	0
91	MG	1	3804	1/1	0.83	0.16	58,58,58,58	0
91	MG	4	224	1/1	0.83	0.50	48,48,48,48	0
91	MG	1	3999	1/1	0.83	0.49	43,43,43,43	0
91	MG	5	4000	1/1	0.83	0.44	40,40,40,40	0
91	MG	2	2135	1/1	0.83	0.59	68,68,68,68	0
91	MG	1	3783	1/1	0.83	0.73	39,39,39,39	0
91	MG	5	3752	1/1	0.83	0.30	32,32,32,32	0
91	MG	5	4082	1/1	0.83	0.58	42,42,42,42	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
91	MG	5	3917	1/1	0.83	0.61	32,32,32,32	0
91	MG	5	4151	1/1	0.83	0.30	46,46,46,46	0
91	MG	2	2081	1/1	0.83	0.44	87,87,87,87	0
91	MG	6	2087	1/1	0.83	0.33	66,66,66,66	0
91	MG	5	4159	1/1	0.83	0.37	45,45,45,45	0
91	MG	6	2070	1/1	0.83	0.28	94,94,94,94	0
91	MG	6	2155	1/1	0.83	0.23	76,76,76,76	0
92	ZN	d7	101	1/1	0.83	0.24	89,89,89,89	0
91	MG	1	3793	1/1	0.83	0.46	39,39,39,39	0
91	MG	5	3856	1/1	0.83	0.49	42,42,42,42	0
91	MG	1	3759	1/1	0.83	0.63	45,45,45,45	0
91	MG	6	2078	1/1	0.84	0.25	58,58,58,58	0
91	MG	2	2086	1/1	0.84	0.33	71,71,71,71	0
91	MG	1	4060	1/1	0.84	0.30	37,37,37,37	0
91	MG	5	4131	1/1	0.84	0.49	35,35,35,35	0
91	MG	1	4061	1/1	0.84	0.35	32,32,32,32	0
91	MG	1	3954	1/1	0.84	0.22	57,57,57,57	0
91	MG	1	3747	1/1	0.84	0.96	49,49,49,49	0
91	MG	1	4006	1/1	0.84	0.52	61,61,61,61	0
91	MG	2	2057	1/1	0.84	0.46	73,73,73,73	0
91	MG	2	2103	1/1	0.84	0.55	74,74,74,74	0
91	MG	6	2139	1/1	0.84	0.60	57,57,57,57	0
91	MG	2	2104	1/1	0.84	0.54	97,97,97,97	0
91	MG	1	3967	1/1	0.84	0.51	51,51,51,51	0
91	MG	O4	202	1/1	0.84	0.19	61,61,61,61	0
91	MG	5	3885	1/1	0.84	0.32	34,34,34,34	0
91	MG	5	3890	1/1	0.84	0.34	40,40,40,40	0
91	MG	1	3880	1/1	0.84	0.69	41,41,41,41	0
91	MG	1	3802	1/1	0.84	0.39	36,36,36,36	0
91	MG	5	3898	1/1	0.84	0.54	39,39,39,39	0
91	MG	2	2124	1/1	0.84	0.20	87,87,87,87	0
91	MG	6	2066	1/1	0.84	0.13	89,89,89,89	0
91	MG	8	227	1/1	0.84	0.17	51,51,51,51	0
91	MG	8	229	1/1	0.84	0.30	40,40,40,40	0
91	MG	5	4075	1/1	0.84	0.41	49,49,49,49	0
91	MG	5	3922	1/1	0.84	0.44	36,36,36,36	0
91	MG	1	3982	1/1	0.84	0.58	48,48,48,48	0
91	MG	5	3777	1/1	0.84	0.32	48,48,48,48	0
91	MG	1	4105	1/1	0.84	0.31	54,54,54,54	0
91	MG	5	3788	1/1	0.84	0.73	34,34,34,34	0
91	MG	1	4106	1/1	0.84	0.30	39,39,39,39	0
91	MG	1	3903	1/1	0.84	0.44	48,48,48,48	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
91	MG	o2	202	1/1	0.84	0.36	32,32,32,32	0
91	MG	5	3977	1/1	0.84	0.19	48,48,48,48	0
91	MG	5	3982	1/1	0.84	0.51	41,41,41,41	0
91	MG	5	3796	1/1	0.84	0.62	42,42,42,42	0
91	MG	5	4114	1/1	0.84	0.24	44,44,44,44	0
91	MG	6	2074	1/1	0.84	0.67	88,88,88,88	0
91	MG	1	3738	1/1	0.84	0.50	37,37,37,37	0
91	MG	5	3808	1/1	0.85	0.38	37,37,37,37	0
91	MG	1	4048	1/1	0.85	0.18	44,44,44,44	0
91	MG	5	3993	1/1	0.85	0.52	41,41,41,41	0
91	MG	5	4125	1/1	0.85	0.30	41,41,41,41	0
91	MG	1	3911	1/1	0.85	0.85	52,52,52,52	0
91	MG	6	2077	1/1	0.85	0.30	55,55,55,55	0
91	MG	1	4121	1/1	0.85	0.36	39,39,39,39	0
91	MG	6	2127	1/1	0.85	0.15	54,54,54,54	0
91	MG	1	3993	1/1	0.85	0.55	45,45,45,45	0
91	MG	5	4145	1/1	0.85	0.37	48,48,48,48	0
91	MG	1	4058	1/1	0.85	0.34	38,38,38,38	0
91	MG	5	3849	1/1	0.85	0.62	31,31,31,31	0
91	MG	1	3995	1/1	0.85	0.58	47,47,47,47	0
91	MG	c9	201	1/1	0.85	0.19	90,90,90,90	0
91	MG	5	4026	1/1	0.85	0.38	33,33,33,33	0
91	MG	6	2084	1/1	0.85	0.43	60,60,60,60	0
91	MG	5	4164	1/1	0.85	0.27	33,33,33,33	0
91	MG	1	3748	1/1	0.85	0.40	69,69,69,69	0
91	MG	2	2096	1/1	0.85	0.28	75,75,75,75	0
91	MG	1	3921	1/1	0.85	0.26	42,42,42,42	0
91	MG	5	4041	1/1	0.85	0.30	41,41,41,41	0
91	MG	M3	1000	1/1	0.85	0.37	64,64,64,64	0
91	MG	1	3736	1/1	0.85	0.43	47,47,47,47	0
91	MG	5	3894	1/1	0.85	0.80	33,33,33,33	0
91	MG	2	2054	1/1	0.85	0.41	81,81,81,81	0
90	OHX	2	2048	7/7	0.85	0.29	100,100,100,100	0
91	MG	8	225	1/1	0.85	0.47	62,62,62,62	0
91	MG	2	2111	1/1	0.85	0.43	78,78,78,78	0
91	MG	6	2097	1/1	0.85	0.18	92,92,92,92	0
91	MG	1	4017	1/1	0.85	0.32	61,61,61,61	0
91	MG	l3	405	1/1	0.85	0.42	38,38,38,38	0
91	MG	5	4081	1/1	0.85	0.36	32,32,32,32	0
91	MG	5	3937	1/1	0.85	0.38	43,43,43,43	0
91	MG	1	3940	1/1	0.85	0.26	51,51,51,51	0
91	MG	1	3942	1/1	0.85	0.28	33,33,33,33	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
91	MG	m6	203	1/1	0.85	0.74	29,29,29,29	0
91	MG	1	3901	1/1	0.85	0.79	37,37,37,37	0
91	MG	5	4093	1/1	0.85	0.43	35,35,35,35	0
91	MG	1	3857	1/1	0.85	0.44	35,35,35,35	0
91	MG	6	2161	1/1	0.85	0.37	59,59,59,59	0
91	MG	5	3798	1/1	0.85	0.44	52,52,52,52	0
91	MG	1	4037	1/1	0.85	0.96	46,46,46,46	0
91	MG	5	4106	1/1	0.85	0.55	37,37,37,37	0
91	MG	5	3979	1/1	0.85	0.22	50,50,50,50	0
91	MG	1	3859	1/1	0.85	0.67	41,41,41,41	0
91	MG	1	3987	1/1	0.85	0.43	35,35,35,35	0
91	MG	2	2093	1/1	0.86	0.14	81,81,81,81	0
91	MG	1	3795	1/1	0.86	0.24	39,39,39,39	0
91	MG	5	3828	1/1	0.86	0.39	35,35,35,35	0
91	MG	2	2058	1/1	0.86	0.25	81,81,81,81	0
91	MG	5	3974	1/1	0.86	0.34	38,38,38,38	0
91	MG	5	4068	1/1	0.86	0.70	40,40,40,40	0
91	MG	N8	203	1/1	0.86	0.96	32,32,32,32	0
91	MG	5	3978	1/1	0.86	0.36	56,56,56,56	0
91	MG	1	3778	1/1	0.86	0.42	37,37,37,37	0
91	MG	5	3846	1/1	0.86	0.44	50,50,50,50	0
91	MG	7	219	1/1	0.86	0.38	45,45,45,45	0
91	MG	1	4113	1/1	0.86	0.37	39,39,39,39	0
91	MG	6	2163	1/1	0.86	0.46	66,66,66,66	0
91	MG	8	201	1/1	0.86	0.28	36,36,36,36	0
91	MG	1	3757	1/1	0.86	0.19	42,42,42,42	0
91	MG	6	2089	1/1	0.86	0.17	70,70,70,70	0
91	MG	1	4074	1/1	0.86	0.28	54,54,54,54	0
91	MG	1	4036	1/1	0.86	0.20	56,56,56,56	0
91	MG	1	3832	1/1	0.86	0.55	39,39,39,39	0
91	MG	8	230	1/1	0.86	0.49	56,56,56,56	0
91	MG	4	226	1/1	0.86	0.66	49,49,49,49	0
91	MG	6	2096	1/1	0.86	0.61	59,59,59,59	0
91	MG	5	4110	1/1	0.86	0.77	45,45,45,45	0
91	MG	5	3893	1/1	0.86	0.64	47,47,47,47	0
91	MG	1	4038	1/1	0.86	0.71	52,52,52,52	0
91	MG	5	3800	1/1	0.86	0.42	48,48,48,48	0
91	MG	5	3802	1/1	0.86	0.31	38,38,38,38	0
90	OHX	2	2044	7/7	0.86	0.52	88,88,88,88	0
91	MG	5	3908	1/1	0.86	0.63	44,44,44,44	0
91	MG	1	3749	1/1	0.86	0.55	55,55,55,55	0
91	MG	1	3852	1/1	0.86	0.64	52,52,52,52	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
91	MG	5	3934	1/1	0.86	0.38	31,31,31,31	0
91	MG	1	3934	1/1	0.86	0.46	37,37,37,37	0
91	MG	5	4045	1/1	0.86	0.35	41,41,41,41	0
91	MG	5	4047	1/1	0.86	0.30	36,36,36,36	0
91	MG	M0	302	1/1	0.86	0.16	46,46,46,46	0
91	MG	1	3985	1/1	0.86	0.29	42,42,42,42	0
91	MG	5	4161	1/1	0.87	0.26	39,39,39,39	0
91	MG	5	3834	1/1	0.87	0.34	41,41,41,41	0
91	MG	5	4079	1/1	0.87	0.63	43,43,43,43	0
91	MG	5	3999	1/1	0.87	0.32	45,45,45,45	0
91	MG	5	3918	1/1	0.87	0.57	42,42,42,42	0
91	MG	1	3770	1/1	0.87	0.47	41,41,41,41	0
91	MG	5	4173	1/1	0.87	0.56	30,30,30,30	0
91	MG	1	4069	1/1	0.87	0.26	46,46,46,46	0
91	MG	5	4008	1/1	0.87	0.31	56,56,56,56	0
91	MG	5	3936	1/1	0.87	0.56	38,38,38,38	0
91	MG	7	221	1/1	0.87	0.46	47,47,47,47	0
91	MG	2	2073	1/1	0.87	0.30	93,93,93,93	0
91	MG	5	4018	1/1	0.87	0.29	38,38,38,38	0
91	MG	5	3939	1/1	0.87	0.53	38,38,38,38	0
91	MG	8	220	1/1	0.87	0.25	49,49,49,49	0
91	MG	5	3940	1/1	0.87	0.55	34,34,34,34	0
91	MG	6	2165	1/1	0.87	0.29	69,69,69,69	0
91	MG	6	2104	1/1	0.87	0.30	90,90,90,90	0
91	MG	5	4028	1/1	0.87	0.36	36,36,36,36	0
91	MG	5	4029	1/1	0.87	0.23	56,56,56,56	0
91	MG	6	2142	1/1	0.87	0.84	48,48,48,48	0
91	MG	5	4033	1/1	0.87	0.27	47,47,47,47	0
91	MG	1	3737	1/1	0.87	0.25	48,48,48,48	0
91	MG	5	4118	1/1	0.87	0.48	35,35,35,35	0
91	MG	5	3964	1/1	0.87	0.32	55,55,55,55	0
91	MG	6	2170	1/1	0.87	0.41	64,64,64,64	0
91	MG	m4	201	1/1	0.87	0.28	42,42,42,42	0
91	MG	m5	303	1/1	0.87	0.44	37,37,37,37	0
91	MG	6	2146	1/1	0.87	0.24	75,75,75,75	0
91	MG	1	3777	1/1	0.87	0.32	31,31,31,31	0
91	MG	M7	205	1/1	0.87	0.34	38,38,38,38	0
91	MG	m7	203	1/1	0.87	0.32	33,33,33,33	0
91	MG	5	3892	1/1	0.87	0.63	43,43,43,43	0
91	MG	n8	201	1/1	0.87	0.14	43,43,43,43	0
91	MG	5	4134	1/1	0.87	0.33	36,36,36,36	0
91	MG	1	4021	1/1	0.87	0.20	83,83,83,83	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
91	MG	o3	203	1/1	0.87	0.67	36,36,36,36	0
91	MG	5	3775	1/1	0.87	0.34	32,32,32,32	0
91	MG	p	102	1/1	0.87	0.34	35,35,35,35	0
91	MG	p	103	1/1	0.87	0.78	40,40,40,40	0
91	MG	6	2109	1/1	0.87	0.82	90,90,90,90	0
91	MG	2	2119	1/1	0.87	0.13	87,87,87,87	0
91	MG	5	3784	1/1	0.87	0.46	37,37,37,37	0
91	MG	1	3876	1/1	0.87	0.74	43,43,43,43	0
91	MG	5	3995	1/1	0.87	0.22	34,34,34,34	0
91	MG	1	4028	1/1	0.88	0.19	43,43,43,43	0
91	MG	2	2060	1/1	0.88	0.76	74,74,74,74	0
91	MG	N8	206	1/1	0.88	0.31	37,37,37,37	0
91	MG	5	4036	1/1	0.88	0.31	41,41,41,41	0
91	MG	1	4087	1/1	0.88	0.81	34,34,34,34	0
91	MG	1	3742	1/1	0.88	0.50	41,41,41,41	0
90	OHX	6	1970	7/7	0.88	0.56	105,105,105,105	0
91	MG	6	2063	1/1	0.88	0.26	89,89,89,89	0
91	MG	2	2126	1/1	0.88	0.56	78,78,78,78	0
91	MG	1	4100	1/1	0.88	0.20	37,37,37,37	0
91	MG	5	4054	1/1	0.88	0.29	36,36,36,36	0
91	MG	1	3943	1/1	0.88	0.34	47,47,47,47	0
91	MG	6	2113	1/1	0.88	0.43	55,55,55,55	0
91	MG	6	2068	1/1	0.88	0.49	105,105,105,105	0
91	MG	6	2176	1/1	0.88	0.46	58,58,58,58	0
91	MG	5	3812	1/1	0.88	0.21	42,42,42,42	0
90	OHX	5	3647	7/7	0.88	0.38	64,64,64,64	0
91	MG	1	3824	1/1	0.88	0.68	38,38,38,38	0
91	MG	5	3970	1/1	0.88	0.45	32,32,32,32	0
91	MG	2	2130	1/1	0.88	0.23	85,85,85,85	0
91	MG	5	3825	1/1	0.88	0.65	35,35,35,35	0
90	OHX	8	217	7/7	0.88	0.46	55,55,55,55	0
91	MG	1	4115	1/1	0.88	0.47	63,63,63,63	0
91	MG	1	4055	1/1	0.88	0.98	32,32,32,32	0
91	MG	5	3981	1/1	0.88	0.39	35,35,35,35	0
91	MG	1	3784	1/1	0.88	0.34	57,57,57,57	0
91	MG	5	3983	1/1	0.88	0.18	41,41,41,41	0
91	MG	5	3837	1/1	0.88	0.54	34,34,34,34	0
91	MG	1	3754	1/1	0.88	0.26	35,35,35,35	0
91	MG	5	3843	1/1	0.88	0.35	34,34,34,34	0
91	MG	5	3992	1/1	0.88	0.65	40,40,40,40	0
91	MG	3	215	1/1	0.88	0.15	59,59,59,59	0
91	MG	1	3838	1/1	0.88	0.48	46,46,46,46	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
91	MG	2	2115	1/1	0.88	0.66	84,84,84,84	0
91	MG	2	2088	1/1	0.88	0.45	77,77,77,77	0
91	MG	m6	205	1/1	0.88	0.49	36,36,36,36	0
91	MG	5	3863	1/1	0.88	0.58	38,38,38,38	0
91	MG	5	3750	1/1	0.88	0.74	60,60,60,60	0
91	MG	n6	202	1/1	0.88	0.33	42,42,42,42	0
91	MG	1	4064	1/1	0.88	1.02	54,54,54,54	0
91	MG	1	4067	1/1	0.88	0.45	39,39,39,39	0
91	MG	1	3849	1/1	0.88	0.52	39,39,39,39	0
91	MG	5	3888	1/1	0.88	0.40	48,48,48,48	0
91	MG	o4	201	1/1	0.88	0.11	63,63,63,63	0
91	MG	5	4127	1/1	0.88	0.55	36,36,36,36	0
91	MG	q1	101	1/1	0.88	0.38	58,58,58,58	0
91	MG	5	3758	1/1	0.88	0.57	43,43,43,43	0
91	MG	1	4072	1/1	0.88	0.63	37,37,37,37	0
91	MG	1	3797	1/1	0.88	0.29	51,51,51,51	0
90	OHX	2	1994	7/7	0.88	0.32	98,98,98,98	0
91	MG	1	3856	1/1	0.88	0.70	36,36,36,36	0
91	MG	2	2099	1/1	0.88	0.60	80,80,80,80	0
91	MG	1	4078	1/1	0.88	0.28	36,36,36,36	0
91	MG	5	4116	1/1	0.89	0.66	44,44,44,44	0
91	MG	5	3814	1/1	0.89	0.56	38,38,38,38	0
91	MG	2	2087	1/1	0.89	0.34	77,77,77,77	0
91	MG	6	2101	1/1	0.89	0.45	53,53,53,53	0
91	MG	5	3822	1/1	0.89	0.35	42,42,42,42	0
91	MG	5	3823	1/1	0.89	0.62	50,50,50,50	0
91	MG	2	2121	1/1	0.89	0.47	68,68,68,68	0
91	MG	5	3989	1/1	0.89	0.22	44,44,44,44	0
91	MG	5	3826	1/1	0.89	0.34	43,43,43,43	0
91	MG	1	4007	1/1	0.89	0.20	51,51,51,51	0
91	MG	5	4133	1/1	0.89	0.47	47,47,47,47	0
91	MG	M7	204	1/1	0.89	0.52	38,38,38,38	0
90	OHX	1	3682	7/7	0.89	0.38	87,87,87,87	0
91	MG	5	4140	1/1	0.89	0.73	39,39,39,39	0
91	MG	1	3958	1/1	0.89	0.32	36,36,36,36	0
91	MG	5	3836	1/1	0.89	0.27	37,37,37,37	0
91	MG	5	4149	1/1	0.89	0.45	34,34,34,34	0
91	MG	6	2181	1/1	0.89	0.17	77,77,77,77	0
91	MG	5	4006	1/1	0.89	0.30	33,33,33,33	0
91	MG	1	3916	1/1	0.89	0.63	35,35,35,35	0
91	MG	5	4156	1/1	0.89	0.32	39,39,39,39	0
91	MG	1	4015	1/1	0.89	0.96	49,49,49,49	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
91	MG	N8	204	1/1	0.89	0.24	44,44,44,44	0
91	MG	5	4011	1/1	0.89	0.53	32,32,32,32	0
91	MG	1	3961	1/1	0.89	0.43	31,31,31,31	0
91	MG	5	3853	1/1	0.89	0.22	36,36,36,36	0
91	MG	1	4019	1/1	0.89	0.14	49,49,49,49	0
91	MG	1	4083	1/1	0.89	0.31	56,56,56,56	0
90	OHX	1	3721	7/7	0.89	0.51	62,62,62,62	0
91	MG	5	4022	1/1	0.89	0.34	37,37,37,37	0
91	MG	1	4022	1/1	0.89	0.27	34,34,34,34	0
91	MG	7	213	1/1	0.89	0.81	33,33,33,33	0
91	MG	5	4027	1/1	0.89	0.23	40,40,40,40	0
91	MG	d6	102	1/1	0.89	0.62	64,64,64,64	0
91	MG	1	3926	1/1	0.89	0.15	38,38,38,38	0
91	MG	1	3965	1/1	0.89	0.36	44,44,44,44	0
91	MG	1	3966	1/1	0.89	0.29	32,32,32,32	0
91	MG	1	3930	1/1	0.89	0.42	60,60,60,60	0
90	OHX	2	1976	7/7	0.89	0.45	110,110,110,110	0
91	MG	6	2132	1/1	0.89	0.51	59,59,59,59	0
91	MG	5	3757	1/1	0.89	0.46	42,42,42,42	0
91	MG	1	3977	1/1	0.89	0.32	65,65,65,65	0
91	MG	5	3759	1/1	0.89	0.22	32,32,32,32	0
91	MG	1	3978	1/1	0.89	0.70	43,43,43,43	0
91	MG	1	3827	1/1	0.89	0.89	50,50,50,50	0
91	MG	5	3906	1/1	0.89	0.61	33,33,33,33	0
91	MG	1	4110	1/1	0.89	0.64	41,41,41,41	0
91	MG	1	3870	1/1	0.89	0.48	52,52,52,52	0
91	MG	2	2127	1/1	0.89	0.74	77,77,77,77	0
91	MG	1	4046	1/1	0.89	0.59	43,43,43,43	0
91	MG	5	3780	1/1	0.89	0.29	35,35,35,35	0
91	MG	2	2055	1/1	0.89	0.79	75,75,75,75	0
91	MG	1	3835	1/1	0.89	0.74	32,32,32,32	0
91	MG	1	3779	1/1	0.89	0.53	37,37,37,37	0
91	MG	3	216	1/1	0.89	0.11	59,59,59,59	0
91	MG	m7	201	1/1	0.89	0.38	34,34,34,34	0
91	MG	m7	202	1/1	0.89	0.32	36,36,36,36	0
91	MG	6	2151	1/1	0.89	0.69	64,64,64,64	0
91	MG	n3	201	1/1	0.89	0.44	32,32,32,32	0
91	MG	1	3805	1/1	0.89	0.51	52,52,52,52	0
91	MG	5	3799	1/1	0.89	0.37	31,31,31,31	0
91	MG	5	3947	1/1	0.89	0.24	40,40,40,40	0
91	MG	5	4089	1/1	0.89	0.24	51,51,51,51	0
91	MG	4	225	1/1	0.89	0.53	49,49,49,49	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
91	MG	o3	202	1/1	0.89	0.52	44,44,44,44	0
91	MG	5	3956	1/1	0.89	0.45	33,33,33,33	0
91	MG	5	3957	1/1	0.89	0.28	38,38,38,38	0
91	MG	5	3962	1/1	0.89	0.55	46,46,46,46	0
91	MG	2	2067	1/1	0.89	0.60	78,78,78,78	0
91	MG	1	3902	1/1	0.89	0.51	40,40,40,40	0
91	MG	4	228	1/1	0.89	0.61	40,40,40,40	0
91	MG	1	3996	1/1	0.89	0.50	40,40,40,40	0
91	MG	4	235	1/1	0.89	0.21	41,41,41,41	0
91	MG	1	3997	1/1	0.89	0.34	43,43,43,43	0
93	PHE	1	3401	11/12	0.89	0.29	34,34,44,44	0
91	MG	1	3740	1/1	0.89	0.29	48,48,48,48	0
91	MG	1	3810	1/1	0.89	0.27	40,40,40,40	0
91	MG	1	4023	1/1	0.90	0.45	60,60,60,60	0
91	MG	1	3962	1/1	0.90	0.70	54,54,54,54	0
90	OHX	2	2015	7/7	0.90	0.34	92,92,92,92	0
90	OHX	2	2024	7/7	0.90	0.27	103,103,103,103	0
90	OHX	1	3727	7/7	0.90	0.40	50,50,50,50	0
91	MG	2	2065	1/1	0.90	0.42	88,88,88,88	0
91	MG	1	4108	1/1	0.90	0.39	44,44,44,44	0
91	MG	1	3906	1/1	0.90	0.47	49,49,49,49	0
91	MG	5	4078	1/1	0.90	0.26	32,32,32,32	0
91	MG	1	3972	1/1	0.90	0.32	43,43,43,43	0
91	MG	2	2066	1/1	0.90	0.81	72,72,72,72	0
91	MG	1	4040	1/1	0.90	0.25	49,49,49,49	0
90	OHX	2	2030	7/7	0.90	0.43	95,95,95,95	0
91	MG	2	2133	1/1	0.90	0.31	85,85,85,85	0
90	OHX	6	2016	7/7	0.90	0.37	95,95,95,95	0
91	MG	5	3991	1/1	0.90	0.61	38,38,38,38	0
91	MG	5	3869	1/1	0.90	0.45	59,59,59,59	0
91	MG	1	4047	1/1	0.90	0.51	43,43,43,43	0
91	MG	5	3880	1/1	0.90	0.40	37,37,37,37	0
91	MG	5	3997	1/1	0.90	0.28	31,31,31,31	0
91	MG	2	2136	1/1	0.90	0.19	90,90,90,90	0
90	OHX	6	2037	7/7	0.90	0.45	77,77,77,77	0
90	OHX	6	2048	7/7	0.90	0.31	77,77,77,77	0
91	MG	2	2140	1/1	0.90	0.27	83,83,83,83	0
91	MG	2	2105	1/1	0.90	0.23	96,96,96,96	0
90	OHX	6	2055	7/7	0.90	0.30	118,118,118,118	0
91	MG	1	3936	1/1	0.90	0.34	40,40,40,40	0
91	MG	4	234	1/1	0.90	0.37	45,45,45,45	0
90	OHX	2	2039	7/7	0.90	0.23	133,133,133,133	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
91	MG	5	4013	1/1	0.90	0.43	38,38,38,38	0
90	OHX	7	210	7/7	0.90	0.34	91,91,91,91	0
91	MG	2	2077	1/1	0.90	1.23	59,59,59,59	0
91	MG	L3	404	1/1	0.90	0.54	51,51,51,51	0
90	OHX	2	2011	7/7	0.90	0.38	104,104,104,104	0
91	MG	L7	301	1/1	0.90	0.49	39,39,39,39	0
91	MG	2	2053	1/1	0.90	0.83	70,70,70,70	0
91	MG	5	3924	1/1	0.90	0.55	36,36,36,36	0
91	MG	1	3863	1/1	0.90	0.31	30,30,30,30	0
91	MG	n8	202	1/1	0.90	0.23	34,34,34,34	0
91	MG	n8	203	1/1	0.90	0.96	34,34,34,34	0
91	MG	6	2103	1/1	0.90	0.59	62,62,62,62	0
91	MG	5	4136	1/1	0.90	0.35	38,38,38,38	0
91	MG	6	2171	1/1	0.90	0.94	68,68,68,68	0
90	OHX	2	2012	7/7	0.90	0.28	108,108,108,108	0
91	MG	1	3950	1/1	0.90	0.38	44,44,44,44	0
91	MG	5	4146	1/1	0.90	0.29	37,37,37,37	0
91	MG	2	2085	1/1	0.90	0.68	76,76,76,76	0
90	OHX	2	2049	7/7	0.90	0.41	108,108,108,108	0
90	OHX	2	2050	7/7	0.90	0.23	115,115,115,115	0
91	MG	N8	201	1/1	0.90	0.23	31,31,31,31	0
90	OHX	C5	201	7/7	0.90	0.28	105,105,105,105	0
90	OHX	SR	401	7/7	0.90	0.23	121,121,121,121	0
91	MG	1	3883	1/1	0.90	0.81	42,42,42,42	0
90	OHX	1	3593	7/7	0.90	0.37	66,66,66,66	0
90	OHX	1	3604	7/7	0.90	0.42	43,43,43,43	0
96	8AN	P	101	22/23	0.90	0.26	37,38,38,38	0
96	8AN	p	101	22/23	0.90	0.24	33,34,35,35	0
91	MG	5	3889	1/1	0.91	0.57	39,39,39,39	0
91	MG	5	4135	1/1	0.91	0.47	38,38,38,38	0
91	MG	4	233	1/1	0.91	0.23	44,44,44,44	0
91	MG	1	3860	1/1	0.91	0.72	44,44,44,44	0
91	MG	5	4015	1/1	0.91	0.72	66,66,66,66	0
91	MG	6	2143	1/1	0.91	0.51	75,75,75,75	0
91	MG	1	3969	1/1	0.91	0.67	42,42,42,42	0
90	OHX	5	3738	7/7	0.91	0.50	69,69,69,69	0
91	MG	1	3933	1/1	0.91	0.28	51,51,51,51	0
91	MG	5	3786	1/1	0.91	0.21	33,33,33,33	0
91	MG	6	2148	1/1	0.91	0.21	58,58,58,58	0
91	MG	5	4023	1/1	0.91	0.60	41,41,41,41	0
91	MG	5	4024	1/1	0.91	0.32	49,49,49,49	0
91	MG	2	2063	1/1	0.91	0.23	74,74,74,74	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
91	MG	5	3791	1/1	0.91	0.21	42,42,42,42	0
91	MG	5	3909	1/1	0.91	0.60	31,31,31,31	0
91	MG	5	3913	1/1	0.91	0.65	30,30,30,30	0
91	MG	5	4166	1/1	0.91	1.03	44,44,44,44	0
91	MG	5	4030	1/1	0.91	0.43	33,33,33,33	0
91	MG	2	2116	1/1	0.91	0.13	85,85,85,85	0
91	MG	1	4027	1/1	0.91	0.17	41,41,41,41	0
91	MG	5	3919	1/1	0.91	0.54	34,34,34,34	0
90	OHX	2	1947	7/7	0.91	0.24	106,106,106,106	0
91	MG	5	3923	1/1	0.91	0.51	38,38,38,38	0
91	MG	1	3980	1/1	0.91	1.06	63,63,63,63	0
91	MG	5	4040	1/1	0.91	0.17	54,54,54,54	0
91	MG	1	3741	1/1	0.91	0.59	35,35,35,35	0
90	OHX	6	1931	7/7	0.91	0.21	86,86,86,86	0
91	MG	7	224	1/1	0.91	0.22	36,36,36,36	0
90	OHX	2	1974	7/7	0.91	0.26	112,112,112,112	0
91	MG	7	226	1/1	0.91	0.12	46,46,46,46	0
91	MG	N0	201	1/1	0.91	0.91	43,43,43,43	0
91	MG	5	4051	1/1	0.91	0.45	34,34,34,34	0
91	MG	6	2164	1/1	0.91	0.25	57,57,57,57	0
90	OHX	2	2042	7/7	0.91	0.23	126,126,126,126	0
91	MG	1	4101	1/1	0.91	1.01	43,43,43,43	0
91	MG	1	3886	1/1	0.91	0.68	38,38,38,38	0
91	MG	5	4060	1/1	0.91	0.19	48,48,48,48	0
91	MG	5	4061	1/1	0.91	0.62	39,39,39,39	0
91	MG	2	2123	1/1	0.91	0.45	96,96,96,96	0
91	MG	1	3947	1/1	0.91	0.55	43,43,43,43	0
91	MG	5	3954	1/1	0.91	0.12	48,48,48,48	0
91	MG	5	3955	1/1	0.91	0.71	35,35,35,35	0
91	MG	5	4071	1/1	0.91	0.34	35,35,35,35	0
90	OHX	6	2031	7/7	0.91	0.39	106,106,106,106	0
91	MG	1	3900	1/1	0.91	0.19	31,31,31,31	0
91	MG	5	3959	1/1	0.91	0.36	41,41,41,41	0
91	MG	1	4049	1/1	0.91	0.52	47,47,47,47	0
91	MG	1	3792	1/1	0.91	0.36	38,38,38,38	0
90	OHX	2	2051	7/7	0.91	0.39	105,105,105,105	0
91	MG	1	3839	1/1	0.91	0.54	42,42,42,42	0
91	MG	1	3842	1/1	0.91	0.59	38,38,38,38	0
91	MG	5	3829	1/1	0.91	0.35	41,41,41,41	0
91	MG	6	2117	1/1	0.91	0.47	55,55,55,55	0
91	MG	6	2118	1/1	0.91	0.41	96,96,96,96	0
90	OHX	6	2040	7/7	0.91	0.37	72,72,72,72	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
91	MG	6	2121	1/1	0.91	0.36	62,62,62,62	0
91	MG	6	2123	1/1	0.91	0.07	93,93,93,93	0
91	MG	1	4124	1/1	0.91	0.99	49,49,49,49	0
91	MG	1	3796	1/1	0.91	0.38	35,35,35,35	0
90	OHX	6	2042	7/7	0.91	0.30	94,94,94,94	0
91	MG	5	4111	1/1	0.91	0.30	35,35,35,35	0
91	MG	6	2072	1/1	0.91	0.53	59,59,59,59	0
91	MG	4	201	1/1	0.91	0.31	32,32,32,32	0
90	OHX	1	3684	7/7	0.91	0.42	65,65,65,65	0
91	MG	1	3758	1/1	0.91	1.06	41,41,41,41	0
90	OHX	1	3701	7/7	0.91	0.31	38,38,38,38	0
91	MG	5	3865	1/1	0.91	0.53	44,44,44,44	0
91	MG	6	2135	1/1	0.91	0.43	64,64,64,64	0
91	MG	1	4068	1/1	0.91	0.25	43,43,43,43	0
91	MG	5	3868	1/1	0.91	0.53	32,32,32,32	0
90	OHX	2	2028	7/7	0.91	0.28	109,109,109,109	0
91	MG	4	231	1/1	0.91	0.37	46,46,46,46	0
91	MG	1	3767	1/1	0.91	0.47	46,46,46,46	0
95	SPS	1	4125	23/23	0.91	0.24	37,37,48,51	0
91	MG	6	2083	1/1	0.91	0.81	56,56,56,56	0
91	MG	5	3769	1/1	0.91	0.40	35,35,35,35	0
90	OHX	c3	201	7/7	0.92	0.28	89,89,89,89	0
91	MG	1	4103	1/1	0.92	0.39	39,39,39,39	0
90	OHX	c5	201	7/7	0.92	0.26	99,99,99,99	0
90	OHX	5	3619	7/7	0.92	0.29	73,73,73,73	0
91	MG	1	4013	1/1	0.92	0.41	37,37,37,37	0
90	OHX	2	2009	7/7	0.92	0.22	117,117,117,117	0
91	MG	1	3939	1/1	0.92	0.43	54,54,54,54	0
90	OHX	5	3709	7/7	0.92	0.40	57,57,57,57	0
90	OHX	1	3695	7/7	0.92	0.35	64,64,64,64	0
90	OHX	1	3697	7/7	0.92	0.31	58,58,58,58	0
91	MG	6	2174	1/1	0.92	0.26	60,60,60,60	0
91	MG	5	4137	1/1	0.92	0.45	38,38,38,38	0
91	MG	5	4003	1/1	0.92	0.28	36,36,36,36	0
90	OHX	2	2031	7/7	0.92	0.36	103,103,103,103	0
90	OHX	l3	402	7/7	0.92	0.51	67,67,67,67	0
91	MG	6	2177	1/1	0.92	0.12	94,94,94,94	0
91	MG	2	2052	1/1	0.92	0.91	69,69,69,69	0
91	MG	1	3948	1/1	0.92	0.50	48,48,48,48	0
91	MG	1	3774	1/1	0.92	0.37	44,44,44,44	0
91	MG	5	4152	1/1	0.92	0.38	40,40,40,40	0
90	OHX	1	3703	7/7	0.92	0.39	82,82,82,82	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
90	OHX	1	3707	7/7	0.92	0.28	114,114,114,114	0
91	MG	s4	301	1/1	0.92	0.32	63,63,63,63	0
90	OHX	2	2032	7/7	0.92	0.39	106,106,106,106	0
91	MG	1	4033	1/1	0.92	0.28	34,34,34,34	0
91	MG	5	3877	1/1	0.92	0.47	37,37,37,37	0
91	MG	5	4163	1/1	0.92	0.56	37,37,37,37	0
91	MG	5	3879	1/1	0.92	0.75	36,36,36,36	0
90	OHX	2	2033	7/7	0.92	0.22	123,123,123,123	0
91	MG	5	3881	1/1	0.92	0.97	35,35,35,35	0
91	MG	1	3864	1/1	0.92	0.73	49,49,49,49	0
91	MG	5	4025	1/1	0.92	0.37	39,39,39,39	0
91	MG	1	3956	1/1	0.92	0.21	56,56,56,56	0
91	MG	5	4174	1/1	0.92	0.15	43,43,43,43	0
91	MG	1	3957	1/1	0.92	0.27	39,39,39,39	0
91	MG	2	2097	1/1	0.92	0.19	118,118,118,118	0
90	OHX	S9	201	7/7	0.92	0.50	93,93,93,93	0
91	MG	7	215	1/1	0.92	0.49	36,36,36,36	0
90	OHX	2	2038	7/7	0.92	0.35	95,95,95,95	0
90	OHX	6	1973	7/7	0.92	0.25	68,68,68,68	0
91	MG	1	3874	1/1	0.92	0.51	44,44,44,44	0
91	MG	1	3789	1/1	0.92	0.50	33,33,33,33	0
91	MG	5	3753	1/1	0.92	0.34	43,43,43,43	0
91	MG	L4	403	1/1	0.92	0.54	50,50,50,50	0
91	MG	1	4050	1/1	0.92	0.99	53,53,53,53	0
91	MG	8	202	1/1	0.92	0.41	39,39,39,39	0
91	MG	8	219	1/1	0.92	0.36	37,37,37,37	0
91	MG	6	2116	1/1	0.92	0.34	63,63,63,63	0
90	OHX	2	1980	7/7	0.92	0.22	140,140,140,140	0
91	MG	5	3761	1/1	0.92	0.44	33,33,33,33	0
91	MG	5	3916	1/1	0.92	0.74	44,44,44,44	0
91	MG	1	3882	1/1	0.92	0.39	44,44,44,44	0
91	MG	2	2102	1/1	0.92	0.25	98,98,98,98	0
91	MG	5	4052	1/1	0.92	0.56	65,65,65,65	0
90	OHX	6	2019	7/7	0.92	0.38	75,75,75,75	0
90	OHX	2	2025	7/7	0.92	0.41	85,85,85,85	0
91	MG	1	3974	1/1	0.92	0.48	35,35,35,35	0
91	MG	1	3889	1/1	0.92	0.93	36,36,36,36	0
90	OHX	6	2036	7/7	0.92	0.39	73,73,73,73	0
91	MG	1	3798	1/1	0.92	0.25	34,34,34,34	0
90	OHX	1	3594	7/7	0.92	0.43	68,68,68,68	0
91	MG	5	3785	1/1	0.92	0.34	33,33,33,33	0
91	MG	1	3733	1/1	0.92	0.48	39,39,39,39	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
90	OHX	6	2038	7/7	0.92	0.25	105,105,105,105	0
91	MG	5	4069	1/1	0.92	0.49	33,33,33,33	0
91	MG	2	2109	1/1	0.92	0.30	80,80,80,80	0
91	MG	1	3807	1/1	0.92	0.32	48,48,48,48	0
91	MG	O5	201	1/1	0.92	0.55	42,42,42,42	0
91	MG	5	3795	1/1	0.92	0.30	37,37,37,37	0
91	MG	O7	102	1/1	0.92	0.20	42,42,42,42	0
90	OHX	2	1995	7/7	0.92	0.29	103,103,103,103	0
91	MG	Q2	503	1/1	0.92	0.24	48,48,48,48	0
91	MG	1	3986	1/1	0.92	0.39	43,43,43,43	0
90	OHX	1	3663	7/7	0.92	0.45	73,73,73,73	0
90	OHX	1	3666	7/7	0.92	0.36	81,81,81,81	0
90	OHX	2	2046	7/7	0.92	0.46	100,100,100,100	0
91	MG	5	3968	1/1	0.92	0.30	40,40,40,40	0
91	MG	6	2144	1/1	0.92	0.29	94,94,94,94	0
91	MG	5	4098	1/1	0.92	1.34	32,32,32,32	0
90	OHX	6	2056	7/7	0.92	0.20	99,99,99,99	0
90	OHX	6	2057	7/7	0.92	0.44	92,92,92,92	0
91	MG	5	3972	1/1	0.92	0.47	37,37,37,37	0
91	MG	5	3973	1/1	0.92	0.13	46,46,46,46	0
91	MG	5	4108	1/1	0.92	0.42	32,32,32,32	0
91	MG	1	3927	1/1	0.92	0.17	56,56,56,56	0
91	MG	1	3746	1/1	0.92	0.17	48,48,48,48	0
91	MG	2	2074	1/1	0.92	0.76	80,80,80,80	0
91	MG	1	4097	1/1	0.92	0.36	41,41,41,41	0
91	MG	1	4001	1/1	0.92	0.32	52,52,52,52	0
91	MG	6	2075	1/1	0.92	0.46	71,71,71,71	0
90	OHX	6	2059	7/7	0.92	0.31	103,103,103,103	0
90	OHX	s9	201	7/7	0.92	0.40	77,77,77,77	0
91	MG	1	3959	1/1	0.93	0.15	41,41,41,41	0
91	MG	1	3844	1/1	0.93	0.71	39,39,39,39	0
90	OHX	5	3723	7/7	0.93	0.34	36,36,36,36	0
91	MG	5	3914	1/1	0.93	0.55	48,48,48,48	0
90	OHX	6	1980	7/7	0.93	0.21	112,112,112,112	0
91	MG	6	2081	1/1	0.93	0.23	70,70,70,70	0
90	OHX	5	3746	7/7	0.93	0.26	61,61,61,61	0
90	OHX	6	1987	7/7	0.93	0.28	89,89,89,89	0
91	MG	5	3920	1/1	0.93	0.71	44,44,44,44	0
91	MG	1	3853	1/1	0.93	0.80	43,43,43,43	0
91	MG	1	4082	1/1	0.93	0.46	54,54,54,54	0
90	OHX	6	1988	7/7	0.93	0.36	82,82,82,82	0
91	MG	5	3929	1/1	0.93	0.76	32,32,32,32	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
91	MG	5	4103	1/1	0.93	0.28	38,38,38,38	0
91	MG	1	4084	1/1	0.93	0.21	33,33,33,33	0
91	MG	1	3855	1/1	0.93	0.28	32,32,32,32	0
91	MG	1	3750	1/1	0.93	0.51	39,39,39,39	0
91	MG	1	4088	1/1	0.93	0.69	44,44,44,44	0
91	MG	1	4091	1/1	0.93	0.26	33,33,33,33	0
91	MG	5	3942	1/1	0.93	0.39	40,40,40,40	0
91	MG	5	3755	1/1	0.93	0.19	34,34,34,34	0
91	MG	5	3756	1/1	0.93	0.70	44,44,44,44	0
90	OHX	6	1998	7/7	0.93	0.27	65,65,65,65	0
90	OHX	6	2002	7/7	0.93	0.33	71,71,71,71	0
90	OHX	2	1945	7/7	0.93	0.18	90,90,90,90	0
91	MG	5	3951	1/1	0.93	0.34	39,39,39,39	0
90	OHX	6	2017	7/7	0.93	0.34	99,99,99,99	0
90	OHX	S8	301	7/7	0.93	0.33	96,96,96,96	0
91	MG	6	2099	1/1	0.93	0.23	65,65,65,65	0
91	MG	5	3766	1/1	0.93	0.38	46,46,46,46	0
91	MG	5	3768	1/1	0.93	0.22	51,51,51,51	0
91	MG	6	2100	1/1	0.93	0.84	45,45,45,45	0
90	OHX	6	2023	7/7	0.93	0.49	91,91,91,91	0
91	MG	5	3967	1/1	0.93	0.28	40,40,40,40	0
91	MG	5	3774	1/1	0.93	0.20	33,33,33,33	0
91	MG	1	3762	1/1	0.93	0.30	34,34,34,34	0
90	OHX	6	2025	7/7	0.93	0.40	70,70,70,70	0
91	MG	1	3872	1/1	0.93	0.51	41,41,41,41	0
90	OHX	6	2027	7/7	0.93	0.43	91,91,91,91	0
90	OHX	2	2013	7/7	0.93	0.28	104,104,104,104	0
90	OHX	1	3693	7/7	0.93	0.35	80,80,80,80	0
91	MG	1	3878	1/1	0.93	0.61	33,33,33,33	0
90	OHX	2	1996	7/7	0.93	0.24	103,103,103,103	0
90	OHX	2	2020	7/7	0.93	0.31	96,96,96,96	0
91	MG	5	3980	1/1	0.93	0.56	43,43,43,43	0
91	MG	6	2112	1/1	0.93	0.23	63,63,63,63	0
90	OHX	6	2039	7/7	0.93	0.25	94,94,94,94	0
91	MG	2	2122	1/1	0.93	0.32	74,74,74,74	0
90	OHX	1	3700	7/7	0.93	0.31	87,87,87,87	0
91	MG	1	3998	1/1	0.93	0.58	43,43,43,43	0
91	MG	5	4160	1/1	0.93	0.20	44,44,44,44	0
91	MG	1	3780	1/1	0.93	0.49	52,52,52,52	0
91	MG	1	3890	1/1	0.93	0.30	40,40,40,40	0
91	MG	1	3896	1/1	0.93	0.67	44,44,44,44	0
91	MG	1	3781	1/1	0.93	0.42	41,41,41,41	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
90	OHX	1	3501	7/7	0.93	0.18	66,66,66,66	0
91	MG	5	3994	1/1	0.93	0.48	31,31,31,31	0
90	OHX	6	2044	7/7	0.93	0.35	63,63,63,63	0
91	MG	5	3996	1/1	0.93	0.33	35,35,35,35	0
90	OHX	6	2047	7/7	0.93	0.40	87,87,87,87	0
90	OHX	1	3552	7/7	0.93	0.30	58,58,58,58	0
91	MG	5	3810	1/1	0.93	0.15	89,89,89,89	0
91	MG	1	3786	1/1	0.93	0.41	33,33,33,33	0
91	MG	5	4001	1/1	0.93	0.35	37,37,37,37	0
90	OHX	2	2047	7/7	0.93	0.47	105,105,105,105	0
91	MG	7	218	1/1	0.93	0.23	37,37,37,37	0
91	MG	1	3908	1/1	0.93	0.63	41,41,41,41	0
91	MG	7	220	1/1	0.93	0.21	48,48,48,48	0
91	MG	2	2129	1/1	0.93	0.15	80,80,80,80	0
90	OHX	1	3715	7/7	0.93	0.33	51,51,51,51	0
91	MG	1	3794	1/1	0.93	0.53	58,58,58,58	0
90	OHX	1	3720	7/7	0.93	0.36	61,61,61,61	0
91	MG	4	238	1/1	0.93	0.44	42,42,42,42	0
90	OHX	2	1986	7/7	0.93	0.35	107,107,107,107	0
91	MG	L3	405	1/1	0.93	0.14	41,41,41,41	0
90	OHX	2	2035	7/7	0.93	0.29	107,107,107,107	0
91	MG	2	2134	1/1	0.93	1.01	59,59,59,59	0
91	MG	1	3928	1/1	0.93	0.41	51,51,51,51	0
91	MG	1	3929	1/1	0.93	0.56	51,51,51,51	0
90	OHX	1	3612	7/7	0.93	0.31	87,87,87,87	0
91	MG	8	226	1/1	0.93	0.54	53,53,53,53	0
90	OHX	6	1939	7/7	0.93	0.16	102,102,102,102	0
91	MG	8	228	1/1	0.93	0.26	47,47,47,47	0
90	OHX	sR	401	7/7	0.93	0.25	116,116,116,116	0
91	MG	5	3842	1/1	0.93	0.60	38,38,38,38	0
91	MG	1	4035	1/1	0.93	0.67	37,37,37,37	0
90	OHX	5	3553	7/7	0.93	0.37	50,50,50,50	0
91	MG	l3	406	1/1	0.93	0.68	34,34,34,34	0
91	MG	5	3848	1/1	0.93	1.04	41,41,41,41	0
91	MG	6	2150	1/1	0.93	1.08	58,58,58,58	0
90	OHX	5	3601	7/7	0.93	0.26	84,84,84,84	0
91	MG	5	3854	1/1	0.93	0.54	53,53,53,53	0
90	OHX	6	1959	7/7	0.93	0.23	67,67,67,67	0
91	MG	1	4039	1/1	0.93	0.14	49,49,49,49	0
90	OHX	5	3645	7/7	0.93	0.41	56,56,56,56	0
91	MG	1	4041	1/1	0.93	0.51	53,53,53,53	0
90	OHX	1	3637	7/7	0.93	0.19	145,145,145,145	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
91	MG	1	3814	1/1	0.93	0.38	50,50,50,50	0
91	MG	1	3816	1/1	0.93	0.28	34,34,34,34	0
91	MG	6	2162	1/1	0.93	0.34	55,55,55,55	0
90	OHX	5	3651	7/7	0.93	0.43	48,48,48,48	0
90	OHX	5	3658	7/7	0.93	0.38	58,58,58,58	0
90	OHX	5	3664	7/7	0.93	0.33	92,92,92,92	0
91	MG	5	4050	1/1	0.93	0.92	24,24,24,24	0
91	MG	6	2061	1/1	0.93	0.16	69,69,69,69	0
90	OHX	5	3668	7/7	0.93	0.36	60,60,60,60	0
91	MG	5	4053	1/1	0.93	0.32	43,43,43,43	0
90	OHX	5	3671	7/7	0.93	0.25	103,103,103,103	0
90	OHX	5	3685	7/7	0.93	0.35	73,73,73,73	0
91	MG	1	3949	1/1	0.93	0.46	36,36,36,36	0
91	MG	5	4058	1/1	0.93	0.30	47,47,47,47	0
90	OHX	5	3689	7/7	0.93	0.36	79,79,79,79	0
90	OHX	5	3699	7/7	0.93	0.38	63,63,63,63	0
91	MG	1	3833	1/1	0.93	0.47	39,39,39,39	0
91	MG	1	3834	1/1	0.93	0.45	35,35,35,35	0
90	OHX	5	3700	7/7	0.93	0.41	53,53,53,53	0
92	ZN	E1	501	1/1	0.93	0.06	109,109,109,109	0
91	MG	1	3836	1/1	0.93	0.66	34,34,34,34	0
90	OHX	2	1909	7/7	0.93	0.15	97,97,97,97	0
92	ZN	q2	501	1/1	0.93	0.09	47,47,47,47	0
90	OHX	5	3718	7/7	0.93	0.25	102,102,102,102	0
91	MG	5	4070	1/1	0.93	0.19	40,40,40,40	0
91	MG	5	3902	1/1	0.93	0.77	37,37,37,37	0
91	MG	5	4073	1/1	0.93	0.27	34,34,34,34	0
95	SPS	5	4176	23/23	0.93	0.24	33,34,45,47	0
90	OHX	5	3721	7/7	0.93	0.28	99,99,99,99	0
91	MG	5	4077	1/1	0.93	0.49	43,43,43,43	0
91	MG	N8	202	1/1	0.94	0.26	31,31,31,31	0
90	OHX	6	1953	7/7	0.94	0.15	109,109,109,109	0
91	MG	1	4029	1/1	0.94	0.60	44,44,44,44	0
91	MG	6	2172	1/1	0.94	0.60	64,64,64,64	0
91	MG	5	3905	1/1	0.94	0.85	38,38,38,38	0
91	MG	1	3910	1/1	0.94	0.48	38,38,38,38	0
90	OHX	5	3670	7/7	0.94	0.36	40,40,40,40	0
91	MG	5	4088	1/1	0.94	0.21	42,42,42,42	0
90	OHX	2	2017	7/7	0.94	0.31	88,88,88,88	0
91	MG	O7	101	1/1	0.94	0.23	40,40,40,40	0
91	MG	1	3913	1/1	0.94	0.61	49,49,49,49	0
90	OHX	5	3681	7/7	0.94	0.34	61,61,61,61	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
90	OHX	6	1960	7/7	0.94	0.19	77,77,77,77	0
90	OHX	5	3687	7/7	0.94	0.44	66,66,66,66	0
90	OHX	6	1968	7/7	0.94	0.38	74,74,74,74	0
91	MG	1	3788	1/1	0.94	0.87	39,39,39,39	0
91	MG	5	3921	1/1	0.94	0.61	31,31,31,31	0
90	OHX	5	3692	7/7	0.94	0.32	70,70,70,70	0
90	OHX	1	3601	7/7	0.94	0.40	62,62,62,62	0
90	OHX	2	1959	7/7	0.94	0.21	98,98,98,98	0
91	MG	5	3925	1/1	0.94	0.47	38,38,38,38	0
90	OHX	5	3703	7/7	0.94	0.22	57,57,57,57	0
90	OHX	2	2023	7/7	0.94	0.31	91,91,91,91	0
90	OHX	5	3715	7/7	0.94	0.41	59,59,59,59	0
90	OHX	1	3613	7/7	0.94	0.40	58,58,58,58	0
90	OHX	1	3625	7/7	0.94	0.38	70,70,70,70	0
90	OHX	5	3722	7/7	0.94	0.38	62,62,62,62	0
90	OHX	1	3630	7/7	0.94	0.31	59,59,59,59	0
91	MG	5	4119	1/1	0.94	0.16	41,41,41,41	0
90	OHX	5	3737	7/7	0.94	0.16	56,56,56,56	0
90	OHX	2	1970	7/7	0.94	0.38	98,98,98,98	0
90	OHX	6	2003	7/7	0.94	0.24	89,89,89,89	0
90	OHX	5	3748	7/7	0.94	0.34	87,87,87,87	0
90	OHX	6	2010	7/7	0.94	0.27	91,91,91,91	0
91	MG	5	4129	1/1	0.94	0.40	40,40,40,40	0
90	OHX	8	211	7/7	0.94	0.27	78,78,78,78	0
90	OHX	8	215	7/7	0.94	0.36	62,62,62,62	0
90	OHX	6	2015	7/7	0.94	0.38	79,79,79,79	0
90	OHX	1	3645	7/7	0.94	0.36	57,57,57,57	0
91	MG	5	3760	1/1	0.94	0.23	42,42,42,42	0
90	OHX	m9	201	7/7	0.94	0.46	89,89,89,89	0
91	MG	1	3820	1/1	0.94	0.24	49,49,49,49	0
91	MG	1	3822	1/1	0.94	0.47	44,44,44,44	0
90	OHX	2	1971	7/7	0.94	0.18	108,108,108,108	0
91	MG	5	4141	1/1	0.94	0.17	38,38,38,38	0
90	OHX	6	2018	7/7	0.94	0.21	114,114,114,114	0
90	OHX	2	2027	7/7	0.94	0.32	93,93,93,93	0
90	OHX	1	3667	7/7	0.94	0.38	92,92,92,92	0
91	MG	1	3830	1/1	0.94	0.36	38,38,38,38	0
90	OHX	6	2024	7/7	0.94	0.44	103,103,103,103	0
91	MG	6	2095	1/1	0.94	0.45	55,55,55,55	0
90	OHX	1	3674	7/7	0.94	0.35	61,61,61,61	0
90	OHX	1	3679	7/7	0.94	0.31	67,67,67,67	0
90	OHX	2	1915	7/7	0.94	0.15	99,99,99,99	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
91	MG	5	4158	1/1	0.94	0.21	57,57,57,57	0
90	OHX	6	2032	7/7	0.94	0.28	92,92,92,92	0
90	OHX	2	1999	7/7	0.94	0.38	106,106,106,106	0
90	OHX	2	2003	7/7	0.94	0.27	100,100,100,100	0
91	MG	1	4094	1/1	0.94	0.48	37,37,37,37	0
90	OHX	2	1975	7/7	0.94	0.15	77,77,77,77	0
90	OHX	C3	201	7/7	0.94	0.23	96,96,96,96	0
91	MG	5	3793	1/1	0.94	0.28	62,62,62,62	0
91	MG	5	4167	1/1	0.94	0.54	33,33,33,33	0
90	OHX	2	1926	7/7	0.94	0.16	91,91,91,91	0
91	MG	5	4169	1/1	0.94	0.45	47,47,47,47	0
91	MG	1	4099	1/1	0.94	0.76	45,45,45,45	0
91	MG	5	3797	1/1	0.94	0.20	38,38,38,38	0
90	OHX	2	1978	7/7	0.94	0.28	103,103,103,103	0
91	MG	1	3846	1/1	0.94	0.30	33,33,33,33	0
91	MG	1	3973	1/1	0.94	0.41	47,47,47,47	0
91	MG	6	2110	1/1	0.94	0.21	91,91,91,91	0
91	MG	5	3804	1/1	0.94	0.52	39,39,39,39	0
91	MG	7	214	1/1	0.94	0.44	47,47,47,47	0
90	OHX	1	3488	7/7	0.94	0.23	47,47,47,47	0
90	OHX	1	3704	7/7	0.94	0.43	49,49,49,49	0
91	MG	1	3851	1/1	0.94	0.72	36,36,36,36	0
91	MG	1	3734	1/1	0.94	0.49	53,53,53,53	0
90	OHX	2	1950	7/7	0.94	0.31	101,101,101,101	0
91	MG	5	4002	1/1	0.94	0.33	43,43,43,43	0
91	MG	2	2071	1/1	0.94	0.55	79,79,79,79	0
90	OHX	6	2050	7/7	0.94	0.47	68,68,68,68	0
91	MG	1	4114	1/1	0.94	0.36	34,34,34,34	0
90	OHX	1	3709	7/7	0.94	0.52	47,47,47,47	0
91	MG	1	3739	1/1	0.94	0.45	33,33,33,33	0
91	MG	5	4009	1/1	0.94	0.76	43,43,43,43	0
91	MG	6	2122	1/1	0.94	0.17	74,74,74,74	0
90	OHX	1	3548	7/7	0.94	0.18	91,91,91,91	0
91	MG	8	222	1/1	0.94	0.37	43,43,43,43	0
90	OHX	1	3718	7/7	0.94	0.43	83,83,83,83	0
91	MG	1	4123	1/1	0.94	0.40	46,46,46,46	0
90	OHX	1	3719	7/7	0.94	0.38	65,65,65,65	0
91	MG	1	3988	1/1	0.94	0.70	59,59,59,59	0
90	OHX	2	1982	7/7	0.94	0.26	94,94,94,94	0
90	OHX	1	3559	7/7	0.94	0.36	54,54,54,54	0
91	MG	6	2131	1/1	0.94	0.49	60,60,60,60	0
91	MG	12	302	1/1	0.94	0.34	41,41,41,41	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
90	OHX	1	3722	7/7	0.94	0.42	76,76,76,76	0
91	MG	2	2082	1/1	0.94	0.49	74,74,74,74	0
91	MG	2	2083	1/1	0.94	0.65	83,83,83,83	0
90	OHX	1	3724	7/7	0.94	0.35	75,75,75,75	0
91	MG	5	3839	1/1	0.94	0.25	35,35,35,35	0
90	OHX	5	3518	7/7	0.94	0.16	78,78,78,78	0
90	OHX	1	3726	7/7	0.94	0.42	69,69,69,69	0
90	OHX	5	3570	7/7	0.94	0.32	61,61,61,61	0
91	MG	5	3847	1/1	0.94	0.55	33,33,33,33	0
91	MG	1	4002	1/1	0.94	0.26	41,41,41,41	0
90	OHX	5	3577	7/7	0.94	0.35	50,50,50,50	0
91	MG	1	4005	1/1	0.94	0.39	45,45,45,45	0
91	MG	5	4035	1/1	0.94	0.36	40,40,40,40	0
90	OHX	5	3596	7/7	0.94	0.25	68,68,68,68	0
91	MG	2	2091	1/1	0.94	0.43	77,77,77,77	0
91	MG	n0	202	1/1	0.94	0.33	37,37,37,37	0
91	MG	5	3859	1/1	0.94	0.50	30,30,30,30	0
91	MG	1	3760	1/1	0.94	0.43	45,45,45,45	0
91	MG	L3	401	1/1	0.94	0.71	41,41,41,41	0
90	OHX	5	3600	7/7	0.94	0.27	44,44,44,44	0
90	OHX	1	3560	7/7	0.94	0.26	60,60,60,60	0
91	MG	6	2149	1/1	0.94	0.24	73,73,73,73	0
91	MG	n9	103	1/1	0.94	0.42	34,34,34,34	0
90	OHX	1	3730	7/7	0.94	0.17	94,94,94,94	0
91	MG	1	3892	1/1	0.94	0.28	32,32,32,32	0
91	MG	5	3871	1/1	0.94	0.24	33,33,33,33	0
91	MG	5	3873	1/1	0.94	0.41	51,51,51,51	0
91	MG	1	3893	1/1	0.94	0.57	46,46,46,46	0
91	MG	1	3769	1/1	0.94	0.53	36,36,36,36	0
91	MG	5	3878	1/1	0.94	0.89	37,37,37,37	0
91	MG	P	102	1/1	0.94	0.43	39,39,39,39	0
91	MG	1	4020	1/1	0.94	0.42	39,39,39,39	0
91	MG	M5	303	1/1	0.94	0.16	37,37,37,37	0
90	OHX	5	3622	7/7	0.94	0.26	59,59,59,59	0
91	MG	5	3882	1/1	0.94	0.33	30,30,30,30	0
90	OHX	5	3625	7/7	0.94	0.33	79,79,79,79	0
91	MG	5	3886	1/1	0.94	0.35	61,61,61,61	0
90	OHX	4	220	7/7	0.94	0.39	67,67,67,67	0
91	MG	5	4067	1/1	0.94	0.44	35,35,35,35	0
90	OHX	O7	104	7/7	0.94	0.23	52,52,52,52	0
94	LEU	1	3402	8/9	0.94	0.30	39,40,40,40	0
90	OHX	6	1927	7/7	0.94	0.12	109,109,109,109	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
91	MG	N3	202	1/1	0.94	0.24	51,51,51,51	0
91	MG	N5	201	1/1	0.94	0.35	43,43,43,43	0
90	OHX	1	3588	7/7	0.94	0.26	45,45,45,45	0
90	OHX	2	2041	7/7	0.94	0.42	83,83,83,83	0
91	MG	5	4038	1/1	0.95	0.46	37,37,37,37	0
90	OHX	5	3729	7/7	0.95	0.29	74,74,74,74	0
90	OHX	5	3730	7/7	0.95	0.31	97,97,97,97	0
91	MG	5	3824	1/1	0.95	0.15	45,45,45,45	0
91	MG	5	4043	1/1	0.95	0.59	41,41,41,41	0
91	MG	5	4044	1/1	0.95	0.68	47,47,47,47	0
90	OHX	5	3734	7/7	0.95	0.39	70,70,70,70	0
90	OHX	1	3678	7/7	0.95	0.33	84,84,84,84	0
90	OHX	6	2013	7/7	0.95	0.32	72,72,72,72	0
90	OHX	5	3739	7/7	0.95	0.39	55,55,55,55	0
91	MG	1	3895	1/1	0.95	0.68	37,37,37,37	0
90	OHX	5	3741	7/7	0.95	0.39	56,56,56,56	0
91	MG	1	4057	1/1	0.95	0.79	38,38,38,38	0
91	MG	1	3898	1/1	0.95	0.46	34,34,34,34	0
90	OHX	5	3744	7/7	0.95	0.21	59,59,59,59	0
90	OHX	2	1998	7/7	0.95	0.39	95,95,95,95	0
91	MG	5	4057	1/1	0.95	0.41	35,35,35,35	0
90	OHX	C7	201	7/7	0.95	0.27	106,106,106,106	0
90	OHX	D9	102	7/7	0.95	0.39	98,98,98,98	0
90	OHX	7	211	7/7	0.95	0.35	69,69,69,69	0
90	OHX	1	3688	7/7	0.95	0.34	65,65,65,65	0
90	OHX	8	214	7/7	0.95	0.37	76,76,76,76	0
91	MG	5	4063	1/1	0.95	0.21	38,38,38,38	0
91	MG	1	3907	1/1	0.95	0.23	53,53,53,53	0
91	MG	1	4071	1/1	0.95	0.65	34,34,34,34	0
90	OHX	2	1973	7/7	0.95	0.15	112,112,112,112	0
91	MG	1	3745	1/1	0.95	0.24	40,40,40,40	0
90	OHX	8	216	7/7	0.95	0.38	59,59,59,59	0
91	MG	5	3857	1/1	0.95	0.47	32,32,32,32	0
91	MG	5	3858	1/1	0.95	0.41	39,39,39,39	0
90	OHX	1	3694	7/7	0.95	0.30	73,73,73,73	0
91	MG	5	4074	1/1	0.95	0.51	47,47,47,47	0
91	MG	6	2119	1/1	0.95	0.32	59,59,59,59	0
91	MG	5	3861	1/1	0.95	0.63	39,39,39,39	0
91	MG	5	3862	1/1	0.95	0.46	35,35,35,35	0
90	OHX	8	218	7/7	0.95	0.42	60,60,60,60	0
90	OHX	1	3464	7/7	0.95	0.14	66,66,66,66	0
90	OHX	15	302	7/7	0.95	0.37	70,70,70,70	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
91	MG	5	4083	1/1	0.95	0.55	35,35,35,35	0
91	MG	1	4081	1/1	0.95	0.31	38,38,38,38	0
91	MG	5	4085	1/1	0.95	0.59	49,49,49,49	0
91	MG	1	3920	1/1	0.95	0.94	34,34,34,34	0
90	OHX	m0	302	7/7	0.95	0.24	68,68,68,68	0
91	MG	1	3922	1/1	0.95	0.30	34,34,34,34	0
91	MG	1	3925	1/1	0.95	0.34	39,39,39,39	0
90	OHX	1	3481	7/7	0.95	0.17	66,66,66,66	0
91	MG	5	4095	1/1	0.95	0.62	34,34,34,34	0
91	MG	5	3876	1/1	0.95	0.18	45,45,45,45	0
91	MG	1	3755	1/1	0.95	0.47	54,54,54,54	0
90	OHX	6	2026	7/7	0.95	0.55	90,90,90,90	0
91	MG	5	4099	1/1	0.95	0.45	33,33,33,33	0
91	MG	5	4101	1/1	0.95	0.74	60,60,60,60	0
90	OHX	1	3699	7/7	0.95	0.48	80,80,80,80	0
90	OHX	2	1918	7/7	0.95	0.16	83,83,83,83	0
90	OHX	2	2004	7/7	0.95	0.38	96,96,96,96	0
90	OHX	6	2033	7/7	0.95	0.42	78,78,78,78	0
91	MG	5	3884	1/1	0.95	0.43	39,39,39,39	0
91	MG	1	3761	1/1	0.95	0.50	46,46,46,46	0
90	OHX	1	3535	7/7	0.95	0.20	50,50,50,50	0
90	OHX	1	3540	7/7	0.95	0.27	66,66,66,66	0
90	OHX	2	1946	7/7	0.95	0.17	99,99,99,99	0
90	OHX	2	2036	7/7	0.95	0.43	112,112,112,112	0
90	OHX	2	2037	7/7	0.95	0.29	98,98,98,98	0
91	MG	1	3772	1/1	0.95	0.17	57,57,57,57	0
91	MG	1	3941	1/1	0.95	0.54	42,42,42,42	0
90	OHX	2	1925	7/7	0.95	0.17	85,85,85,85	0
90	OHX	1	3587	7/7	0.95	0.19	81,81,81,81	0
91	MG	5	4121	1/1	0.95	0.30	33,33,33,33	0
91	MG	5	3896	1/1	0.95	0.64	44,44,44,44	0
91	MG	5	3897	1/1	0.95	0.38	37,37,37,37	0
90	OHX	6	2045	7/7	0.95	0.38	94,94,94,94	0
91	MG	5	3899	1/1	0.95	0.32	32,32,32,32	0
90	OHX	2	1948	7/7	0.95	0.21	80,80,80,80	0
90	OHX	1	3590	7/7	0.95	0.21	92,92,92,92	0
91	MG	5	3904	1/1	0.95	0.72	32,32,32,32	0
90	OHX	2	1903	7/7	0.95	0.14	95,95,95,95	0
90	OHX	6	2051	7/7	0.95	0.41	84,84,84,84	0
90	OHX	6	2052	7/7	0.95	0.16	65,65,65,65	0
91	MG	1	4120	1/1	0.95	0.28	38,38,38,38	0
90	OHX	2	2014	7/7	0.95	0.19	107,107,107,107	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
90	OHX	1	3725	7/7	0.95	0.45	87,87,87,87	0
90	OHX	2	2043	7/7	0.95	0.40	85,85,85,85	0
91	MG	6	2158	1/1	0.95	0.08	54,54,54,54	0
90	OHX	1	3603	7/7	0.95	0.36	62,62,62,62	0
91	MG	5	4143	1/1	0.95	0.44	32,32,32,32	0
91	MG	5	4144	1/1	0.95	0.17	33,33,33,33	0
90	OHX	s8	301	7/7	0.95	0.30	96,96,96,96	0
90	OHX	2	1958	7/7	0.95	0.22	109,109,109,109	0
90	OHX	3	209	7/7	0.95	0.30	84,84,84,84	0
90	OHX	3	210	7/7	0.95	0.44	85,85,85,85	0
91	MG	2	2080	1/1	0.95	0.33	82,82,82,82	0
90	OHX	4	219	7/7	0.95	0.37	69,69,69,69	0
90	OHX	5	3475	7/7	0.95	0.23	42,42,42,42	0
90	OHX	5	3497	7/7	0.95	0.20	62,62,62,62	0
91	MG	5	4155	1/1	0.95	0.25	72,72,72,72	0
91	MG	5	3931	1/1	0.95	0.41	31,31,31,31	0
90	OHX	2	2045	7/7	0.95	0.48	100,100,100,100	0
91	MG	5	3935	1/1	0.95	0.55	34,34,34,34	0
90	OHX	5	3531	7/7	0.95	0.18	84,84,84,84	0
90	OHX	5	3535	7/7	0.95	0.20	65,65,65,65	0
90	OHX	5	3542	7/7	0.95	0.23	53,53,53,53	0
90	OHX	4	221	7/7	0.95	0.33	65,65,65,65	0
90	OHX	4	223	7/7	0.95	0.35	61,61,61,61	0
91	MG	5	4165	1/1	0.95	0.27	32,32,32,32	0
90	OHX	O4	201	7/7	0.95	0.49	73,73,73,73	0
91	MG	L2	301	1/1	0.95	0.27	42,42,42,42	0
90	OHX	2	1985	7/7	0.95	0.34	98,98,98,98	0
90	OHX	5	3597	7/7	0.95	0.35	51,51,51,51	0
91	MG	5	4170	1/1	0.95	0.28	42,42,42,42	0
90	OHX	2	2018	7/7	0.95	0.40	84,84,84,84	0
90	OHX	2	1936	7/7	0.95	0.14	102,102,102,102	0
91	MG	5	3953	1/1	0.95	0.18	41,41,41,41	0
91	MG	6	2185	1/1	0.95	0.37	92,92,92,92	0
91	MG	1	3815	1/1	0.95	0.30	41,41,41,41	0
91	MG	L4	406	1/1	0.95	0.82	33,33,33,33	0
90	OHX	6	1937	7/7	0.95	0.16	81,81,81,81	0
91	MG	5	3958	1/1	0.95	0.19	39,39,39,39	0
90	OHX	1	3635	7/7	0.95	0.37	59,59,59,59	0
90	OHX	6	1949	7/7	0.95	0.22	81,81,81,81	0
91	MG	5	3963	1/1	0.95	0.13	36,36,36,36	0
90	OHX	5	3626	7/7	0.95	0.18	84,84,84,84	0
91	MG	5	3965	1/1	0.95	0.24	35,35,35,35	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
91	MG	1	3821	1/1	0.95	0.33	40,40,40,40	0
91	MG	M7	203	1/1	0.95	0.27	38,38,38,38	0
90	OHX	5	3628	7/7	0.95	0.27	90,90,90,90	0
90	OHX	5	3631	7/7	0.95	0.36	51,51,51,51	0
90	OHX	5	3632	7/7	0.95	0.34	65,65,65,65	0
90	OHX	5	3633	7/7	0.95	0.53	70,70,70,70	0
91	MG	N3	201	1/1	0.95	0.57	41,41,41,41	0
90	OHX	5	3636	7/7	0.95	0.28	63,63,63,63	0
91	MG	1	3990	1/1	0.95	0.41	39,39,39,39	0
90	OHX	5	3638	7/7	0.95	0.33	56,56,56,56	0
90	OHX	5	3641	7/7	0.95	0.27	72,72,72,72	0
90	OHX	5	3643	7/7	0.95	0.30	48,48,48,48	0
90	OHX	2	1989	7/7	0.95	0.19	93,93,93,93	0
90	OHX	6	1957	7/7	0.95	0.22	72,72,72,72	0
90	OHX	6	1958	7/7	0.95	0.23	89,89,89,89	0
90	OHX	5	3657	7/7	0.95	0.32	50,50,50,50	0
90	OHX	1	3641	7/7	0.95	0.29	64,64,64,64	0
90	OHX	2	1993	7/7	0.95	0.29	96,96,96,96	0
91	MG	l3	403	1/1	0.95	0.74	31,31,31,31	0
91	MG	5	3764	1/1	0.95	0.24	34,34,34,34	0
91	MG	5	3990	1/1	0.95	0.15	50,50,50,50	0
91	MG	5	3765	1/1	0.95	0.56	31,31,31,31	0
91	MG	1	4003	1/1	0.95	0.28	39,39,39,39	0
90	OHX	5	3665	7/7	0.95	0.29	55,55,55,55	0
90	OHX	5	3666	7/7	0.95	0.28	51,51,51,51	0
90	OHX	1	3646	7/7	0.95	0.30	93,93,93,93	0
90	OHX	2	1960	7/7	0.95	0.24	100,100,100,100	0
90	OHX	2	2026	7/7	0.95	0.30	109,109,109,109	0
91	MG	2	2120	1/1	0.95	0.08	95,95,95,95	0
91	MG	1	3850	1/1	0.95	0.45	33,33,33,33	0
91	MG	5	3779	1/1	0.95	0.62	33,33,33,33	0
90	OHX	5	3678	7/7	0.95	0.41	55,55,55,55	0
91	MG	5	3781	1/1	0.95	0.17	37,37,37,37	0
90	OHX	6	1975	7/7	0.95	0.16	93,93,93,93	0
91	MG	6	2069	1/1	0.95	0.40	61,61,61,61	0
91	MG	5	4005	1/1	0.95	0.60	37,37,37,37	0
90	OHX	2	1939	7/7	0.95	0.16	92,92,92,92	0
90	OHX	1	3672	7/7	0.95	0.38	67,67,67,67	0
90	OHX	1	3673	7/7	0.95	0.44	73,73,73,73	0
90	OHX	6	1989	7/7	0.95	0.40	97,97,97,97	0
90	OHX	5	3695	7/7	0.95	0.25	92,92,92,92	0
91	MG	1	3858	1/1	0.95	0.64	32,32,32,32	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
90	OHX	6	1991	7/7	0.95	0.24	81,81,81,81	0
90	OHX	6	1993	7/7	0.95	0.22	99,99,99,99	0
91	MG	5	4016	1/1	0.95	0.32	31,31,31,31	0
90	OHX	6	1997	7/7	0.95	0.29	83,83,83,83	0
90	OHX	2	1943	7/7	0.95	0.34	101,101,101,101	0
91	MG	1	3867	1/1	0.95	0.41	44,44,44,44	0
90	OHX	5	3710	7/7	0.95	0.28	89,89,89,89	0
90	OHX	5	3713	7/7	0.95	0.22	39,39,39,39	0
90	OHX	6	1999	7/7	0.95	0.33	75,75,75,75	0
91	MG	1	4034	1/1	0.95	0.32	47,47,47,47	0
90	OHX	5	3716	7/7	0.95	0.29	84,84,84,84	0
90	OHX	6	2001	7/7	0.95	0.29	93,93,93,93	0
90	OHX	5	3719	7/7	0.95	0.34	67,67,67,67	0
90	OHX	1	3675	7/7	0.95	0.31	64,64,64,64	0
90	OHX	1	3677	7/7	0.95	0.38	54,54,54,54	0
91	MG	5	3811	1/1	0.95	0.43	44,44,44,44	0
90	OHX	6	2006	7/7	0.95	0.28	72,72,72,72	0
90	OHX	5	3724	7/7	0.95	0.44	55,55,55,55	0
90	OHX	5	3726	7/7	0.95	0.48	60,60,60,60	0
91	MG	1	3884	1/1	0.95	0.55	35,35,35,35	0
91	MG	5	3816	1/1	0.95	0.33	43,43,43,43	0
91	MG	1	4045	1/1	0.95	0.29	40,40,40,40	0
91	MG	5	3820	1/1	0.95	0.31	54,54,54,54	0
90	OHX	5	3728	7/7	0.96	0.37	49,49,49,49	0
91	MG	1	4032	1/1	0.96	0.29	47,47,47,47	0
90	OHX	1	3446	7/7	0.96	0.16	53,53,53,53	0
90	OHX	1	3602	7/7	0.96	0.27	74,74,74,74	0
90	OHX	5	3733	7/7	0.96	0.25	91,91,91,91	0
91	MG	1	3799	1/1	0.96	0.45	39,39,39,39	0
90	OHX	1	3705	7/7	0.96	0.32	74,74,74,74	0
90	OHX	2	1906	7/7	0.96	0.12	89,89,89,89	0
90	OHX	6	2020	7/7	0.96	0.34	94,94,94,94	0
90	OHX	6	2022	7/7	0.96	0.46	91,91,91,91	0
91	MG	1	3806	1/1	0.96	0.27	41,41,41,41	0
90	OHX	2	1938	7/7	0.96	0.24	79,79,79,79	0
90	OHX	5	3742	7/7	0.96	0.34	70,70,70,70	0
90	OHX	1	3713	7/7	0.96	0.38	72,72,72,72	0
91	MG	6	2157	1/1	0.96	0.24	57,57,57,57	0
90	OHX	1	3714	7/7	0.96	0.29	82,82,82,82	0
90	OHX	1	3607	7/7	0.96	0.25	63,63,63,63	0
90	OHX	1	3716	7/7	0.96	0.37	65,65,65,65	0
90	OHX	6	2028	7/7	0.96	0.30	62,62,62,62	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
90	OHX	8	208	7/7	0.96	0.19	57,57,57,57	0
90	OHX	6	2029	7/7	0.96	0.49	69,69,69,69	0
90	OHX	8	212	7/7	0.96	0.37	57,57,57,57	0
91	MG	1	4054	1/1	0.96	0.52	38,38,38,38	0
90	OHX	8	213	7/7	0.96	0.29	60,60,60,60	0
90	OHX	2	1972	7/7	0.96	0.27	105,105,105,105	0
90	OHX	1	3492	7/7	0.96	0.25	61,61,61,61	0
90	OHX	1	3614	7/7	0.96	0.31	77,77,77,77	0
90	OHX	6	2034	7/7	0.96	0.28	99,99,99,99	0
91	MG	6	2173	1/1	0.96	0.23	70,70,70,70	0
90	OHX	6	2035	7/7	0.96	0.45	84,84,84,84	0
90	OHX	1	3618	7/7	0.96	0.33	59,59,59,59	0
90	OHX	1	3620	7/7	0.96	0.28	70,70,70,70	0
91	MG	5	4014	1/1	0.96	0.40	42,42,42,42	0
91	MG	1	4065	1/1	0.96	0.54	44,44,44,44	0
91	MG	1	4066	1/1	0.96	0.75	38,38,38,38	0
90	OHX	1	3723	7/7	0.96	0.33	65,65,65,65	0
90	OHX	m8	201	7/7	0.96	0.35	60,60,60,60	0
90	OHX	1	3495	7/7	0.96	0.16	56,56,56,56	0
91	MG	1	4070	1/1	0.96	0.26	35,35,35,35	0
90	OHX	o7	503	7/7	0.96	0.15	59,59,59,59	0
90	OHX	1	3626	7/7	0.96	0.30	73,73,73,73	0
90	OHX	2	1997	7/7	0.96	0.26	96,96,96,96	0
90	OHX	6	2043	7/7	0.96	0.45	81,81,81,81	0
91	MG	1	3840	1/1	0.96	0.48	41,41,41,41	0
90	OHX	1	3633	7/7	0.96	0.28	66,66,66,66	0
90	OHX	1	3728	7/7	0.96	0.40	55,55,55,55	0
90	OHX	6	2046	7/7	0.96	0.34	93,93,93,93	0
90	OHX	1	3509	7/7	0.96	0.18	60,60,60,60	0
90	OHX	3	203	7/7	0.96	0.17	59,59,59,59	0
90	OHX	6	2049	7/7	0.96	0.44	81,81,81,81	0
91	MG	5	4032	1/1	0.96	0.73	34,34,34,34	0
91	MG	5	3749	1/1	0.96	0.27	36,36,36,36	0
90	OHX	3	208	7/7	0.96	0.22	81,81,81,81	0
90	OHX	1	3636	7/7	0.96	0.22	75,75,75,75	0
90	OHX	1	3527	7/7	0.96	0.34	52,52,52,52	0
90	OHX	6	2053	7/7	0.96	0.38	87,87,87,87	0
91	MG	1	4090	1/1	0.96	0.51	42,42,42,42	0
90	OHX	6	2054	7/7	0.96	0.29	89,89,89,89	0
91	MG	1	4092	1/1	0.96	0.65	33,33,33,33	0
90	OHX	4	218	7/7	0.96	0.30	57,57,57,57	0
90	OHX	1	3529	7/7	0.96	0.26	60,60,60,60	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
90	OHX	1	3643	7/7	0.96	0.30	48,48,48,48	0
91	MG	2	2069	1/1	0.96	0.44	79,79,79,79	0
90	OHX	6	2058	7/7	0.96	0.30	100,100,100,100	0
90	OHX	1	3533	7/7	0.96	0.24	55,55,55,55	0
91	MG	1	3862	1/1	0.96	0.34	36,36,36,36	0
90	OHX	s4	302	7/7	0.96	0.33	90,90,90,90	0
90	OHX	4	222	7/7	0.96	0.37	66,66,66,66	0
91	MG	1	3865	1/1	0.96	0.41	31,31,31,31	0
90	OHX	2	1984	7/7	0.96	0.29	83,83,83,83	0
90	OHX	L3	403	7/7	0.96	0.20	62,62,62,62	0
91	MG	1	4107	1/1	0.96	0.35	48,48,48,48	0
90	OHX	L4	402	7/7	0.96	0.33	54,54,54,54	0
90	OHX	c8	202	7/7	0.96	0.22	96,96,96,96	0
90	OHX	d4	201	7/7	0.96	0.44	84,84,84,84	0
91	MG	1	4111	1/1	0.96	0.28	45,45,45,45	0
90	OHX	M0	301	7/7	0.96	0.28	55,55,55,55	0
90	OHX	5	3462	7/7	0.96	0.15	48,48,48,48	0
91	MG	1	3875	1/1	0.96	0.72	45,45,45,45	0
91	MG	5	3782	1/1	0.96	0.36	42,42,42,42	0
91	MG	5	3783	1/1	0.96	0.37	33,33,33,33	0
90	OHX	5	3474	7/7	0.96	0.16	47,47,47,47	0
90	OHX	M7	201	7/7	0.96	0.39	62,62,62,62	0
91	MG	1	4119	1/1	0.96	0.31	58,58,58,58	0
91	MG	1	3879	1/1	0.96	0.44	41,41,41,41	0
90	OHX	5	3476	7/7	0.96	0.14	56,56,56,56	0
91	MG	1	3881	1/1	0.96	0.30	33,33,33,33	0
90	OHX	M8	201	7/7	0.96	0.38	65,65,65,65	0
91	MG	3	211	1/1	0.96	0.28	60,60,60,60	0
91	MG	3	212	1/1	0.96	0.55	59,59,59,59	0
90	OHX	5	3501	7/7	0.96	0.15	59,59,59,59	0
90	OHX	5	3503	7/7	0.96	0.16	61,61,61,61	0
91	MG	5	4080	1/1	0.96	0.93	40,40,40,40	0
91	MG	3	217	1/1	0.96	0.50	39,39,39,39	0
90	OHX	5	3508	7/7	0.96	0.23	63,63,63,63	0
91	MG	4	202	1/1	0.96	0.33	42,42,42,42	0
90	OHX	M9	201	7/7	0.96	0.38	74,74,74,74	0
91	MG	5	3803	1/1	0.96	0.37	34,34,34,34	0
91	MG	2	2090	1/1	0.96	0.18	83,83,83,83	0
91	MG	5	4087	1/1	0.96	0.15	41,41,41,41	0
90	OHX	5	3524	7/7	0.96	0.13	75,75,75,75	0
90	OHX	5	3526	7/7	0.96	0.28	47,47,47,47	0
90	OHX	5	3527	7/7	0.96	0.25	46,46,46,46	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
91	MG	4	229	1/1	0.96	0.38	36,36,36,36	0
91	MG	1	3894	1/1	0.96	0.66	42,42,42,42	0
90	OHX	5	3529	7/7	0.96	0.26	42,42,42,42	0
90	OHX	5	3530	7/7	0.96	0.28	55,55,55,55	0
90	OHX	1	3652	7/7	0.96	0.31	57,57,57,57	0
90	OHX	5	3534	7/7	0.96	0.19	53,53,53,53	0
90	OHX	1	3654	7/7	0.96	0.36	55,55,55,55	0
90	OHX	5	3536	7/7	0.96	0.25	73,73,73,73	0
90	OHX	5	3540	7/7	0.96	0.11	93,93,93,93	0
91	MG	5	3817	1/1	0.96	0.30	43,43,43,43	0
91	MG	5	3818	1/1	0.96	0.50	31,31,31,31	0
90	OHX	5	3541	7/7	0.96	0.25	57,57,57,57	0
91	MG	L2	302	1/1	0.96	0.36	42,42,42,42	0
91	MG	5	3821	1/1	0.96	0.60	55,55,55,55	0
90	OHX	6	1920	7/7	0.96	0.13	95,95,95,95	0
90	OHX	5	3551	7/7	0.96	0.23	46,46,46,46	0
91	MG	5	4113	1/1	0.96	0.49	35,35,35,35	0
90	OHX	6	1923	7/7	0.96	0.13	81,81,81,81	0
90	OHX	5	3559	7/7	0.96	0.19	79,79,79,79	0
90	OHX	5	3562	7/7	0.96	0.21	70,70,70,70	0
91	MG	5	3827	1/1	0.96	0.62	31,31,31,31	0
91	MG	L4	405	1/1	0.96	0.22	33,33,33,33	0
90	OHX	5	3569	7/7	0.96	0.27	63,63,63,63	0
90	OHX	6	1925	7/7	0.96	0.14	76,76,76,76	0
91	MG	5	3832	1/1	0.96	0.79	41,41,41,41	0
91	MG	5	4124	1/1	0.96	0.45	40,40,40,40	0
90	OHX	1	3656	7/7	0.96	0.29	50,50,50,50	0
90	OHX	5	3584	7/7	0.96	0.34	58,58,58,58	0
90	OHX	5	3586	7/7	0.96	0.31	47,47,47,47	0
91	MG	1	3918	1/1	0.96	0.58	32,32,32,32	0
90	OHX	5	3588	7/7	0.96	0.28	46,46,46,46	0
90	OHX	5	3593	7/7	0.96	0.34	74,74,74,74	0
90	OHX	5	3594	7/7	0.96	0.20	76,76,76,76	0
90	OHX	1	3657	7/7	0.96	0.39	65,65,65,65	0
91	MG	5	3845	1/1	0.96	0.65	32,32,32,32	0
90	OHX	6	1932	7/7	0.96	0.15	59,59,59,59	0
90	OHX	5	3598	7/7	0.96	0.33	68,68,68,68	0
90	OHX	1	3660	7/7	0.96	0.24	77,77,77,77	0
91	MG	N3	203	1/1	0.96	0.22	46,46,46,46	0
90	OHX	1	3661	7/7	0.96	0.38	50,50,50,50	0
90	OHX	5	3604	7/7	0.96	0.29	46,46,46,46	0
91	MG	N6	202	1/1	0.96	0.25	37,37,37,37	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
90	OHX	5	3606	7/7	0.96	0.34	59,59,59,59	0
90	OHX	5	3611	7/7	0.96	0.25	49,49,49,49	0
90	OHX	5	3613	7/7	0.96	0.21	71,71,71,71	0
90	OHX	5	3615	7/7	0.96	0.25	54,54,54,54	0
91	MG	N8	205	1/1	0.96	0.28	35,35,35,35	0
91	MG	1	3935	1/1	0.96	0.47	40,40,40,40	0
90	OHX	5	3616	7/7	0.96	0.39	63,63,63,63	0
90	OHX	5	3617	7/7	0.96	0.36	74,74,74,74	0
90	OHX	5	3618	7/7	0.96	0.35	68,68,68,68	0
90	OHX	6	1941	7/7	0.96	0.24	96,96,96,96	0
90	OHX	6	1942	7/7	0.96	0.14	73,73,73,73	0
90	OHX	6	1948	7/7	0.96	0.24	82,82,82,82	0
91	MG	6	2060	1/1	0.96	0.29	63,63,63,63	0
90	OHX	1	3537	7/7	0.96	0.32	66,66,66,66	0
90	OHX	5	3627	7/7	0.96	0.19	60,60,60,60	0
90	OHX	6	1951	7/7	0.96	0.14	119,119,119,119	0
90	OHX	6	1952	7/7	0.96	0.18	80,80,80,80	0
91	MG	6	2065	1/1	0.96	0.38	61,61,61,61	0
90	OHX	1	3665	7/7	0.96	0.30	87,87,87,87	0
91	MG	2	2137	1/1	0.96	0.14	85,85,85,85	0
90	OHX	2	1930	7/7	0.96	0.13	95,95,95,95	0
90	OHX	5	3634	7/7	0.96	0.30	57,57,57,57	0
90	OHX	1	3541	7/7	0.96	0.24	60,60,60,60	0
90	OHX	1	3668	7/7	0.96	0.31	63,63,63,63	0
90	OHX	1	3670	7/7	0.96	0.34	65,65,65,65	0
91	MG	5	3887	1/1	0.96	0.20	36,36,36,36	0
90	OHX	6	1961	7/7	0.96	0.32	75,75,75,75	0
90	OHX	5	3644	7/7	0.96	0.35	53,53,53,53	0
90	OHX	6	1967	7/7	0.96	0.19	78,78,78,78	0
90	OHX	1	3542	7/7	0.96	0.25	69,69,69,69	0
91	MG	D9	104	1/1	0.96	0.31	89,89,89,89	0
91	MG	1	3731	1/1	0.96	0.21	47,47,47,47	0
90	OHX	5	3648	7/7	0.96	0.34	50,50,50,50	0
91	MG	7	216	1/1	0.96	0.71	34,34,34,34	0
91	MG	7	217	1/1	0.96	0.48	33,33,33,33	0
90	OHX	6	1969	7/7	0.96	0.24	99,99,99,99	0
90	OHX	5	3655	7/7	0.96	0.22	71,71,71,71	0
90	OHX	2	2034	7/7	0.96	0.30	87,87,87,87	0
90	OHX	1	3550	7/7	0.96	0.26	75,75,75,75	0
90	OHX	5	3659	7/7	0.96	0.34	70,70,70,70	0
90	OHX	5	3663	7/7	0.96	0.34	71,71,71,71	0
91	MG	5	3901	1/1	0.96	0.77	39,39,39,39	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
90	OHX	6	1974	7/7	0.96	0.27	106,106,106,106	0
91	MG	1	3968	1/1	0.96	0.31	42,42,42,42	0
90	OHX	1	3551	7/7	0.96	0.24	60,60,60,60	0
91	MG	1	3970	1/1	0.96	0.56	37,37,37,37	0
90	OHX	6	1977	7/7	0.96	0.23	97,97,97,97	0
90	OHX	2	2000	7/7	0.96	0.28	95,95,95,95	0
91	MG	5	3911	1/1	0.96	0.74	37,37,37,37	0
91	MG	5	3912	1/1	0.96	0.35	35,35,35,35	0
90	OHX	6	1981	7/7	0.96	0.21	87,87,87,87	0
91	MG	1	3744	1/1	0.96	0.44	41,41,41,41	0
90	OHX	6	1982	7/7	0.96	0.20	96,96,96,96	0
90	OHX	5	3672	7/7	0.96	0.28	76,76,76,76	0
90	OHX	5	3677	7/7	0.96	0.33	60,60,60,60	0
90	OHX	2	2001	7/7	0.96	0.26	99,99,99,99	0
91	MG	12	301	1/1	0.96	0.68	42,42,42,42	0
90	OHX	5	3679	7/7	0.96	0.38	67,67,67,67	0
90	OHX	2	2021	7/7	0.96	0.33	110,110,110,110	0
91	MG	1	3983	1/1	0.96	0.49	37,37,37,37	0
90	OHX	1	3681	7/7	0.96	0.26	84,84,84,84	0
91	MG	1	3752	1/1	0.96	0.17	40,40,40,40	0
91	MG	1	3753	1/1	0.96	0.19	45,45,45,45	0
91	MG	5	3927	1/1	0.96	0.60	34,34,34,34	0
90	OHX	6	1990	7/7	0.96	0.23	79,79,79,79	0
91	MG	5	3930	1/1	0.96	0.60	37,37,37,37	0
90	OHX	1	3568	7/7	0.96	0.33	63,63,63,63	0
90	OHX	5	3690	7/7	0.96	0.38	49,49,49,49	0
91	MG	m6	201	1/1	0.96	0.86	35,35,35,35	0
90	OHX	1	3570	7/7	0.96	0.28	58,58,58,58	0
91	MG	1	3991	1/1	0.96	0.32	45,45,45,45	0
90	OHX	1	3686	7/7	0.96	0.30	67,67,67,67	0
90	OHX	5	3696	7/7	0.96	0.34	70,70,70,70	0
90	OHX	5	3697	7/7	0.96	0.44	59,59,59,59	0
90	OHX	5	3698	7/7	0.96	0.30	70,70,70,70	0
90	OHX	1	3578	7/7	0.96	0.36	59,59,59,59	0
91	MG	1	3763	1/1	0.96	0.09	50,50,50,50	0
90	OHX	1	3582	7/7	0.96	0.26	53,53,53,53	0
91	MG	1	3765	1/1	0.96	0.52	47,47,47,47	0
90	OHX	5	3702	7/7	0.96	0.26	52,52,52,52	0
91	MG	5	3949	1/1	0.96	0.51	33,33,33,33	0
91	MG	5	3950	1/1	0.96	0.40	34,34,34,34	0
91	MG	n9	102	1/1	0.96	0.93	29,29,29,29	0
90	OHX	2	2022	7/7	0.96	0.26	105,105,105,105	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
90	OHX	5	3705	7/7	0.96	0.42	54,54,54,54	0
90	OHX	5	3707	7/7	0.96	0.47	67,67,67,67	0
90	OHX	5	3708	7/7	0.96	0.37	68,68,68,68	0
90	OHX	2	1932	7/7	0.96	0.26	76,76,76,76	0
90	OHX	2	1961	7/7	0.96	0.27	103,103,103,103	0
90	OHX	5	3711	7/7	0.96	0.35	48,48,48,48	0
90	OHX	5	3712	7/7	0.96	0.29	53,53,53,53	0
91	MG	5	3960	1/1	0.96	0.56	39,39,39,39	0
91	MG	5	3961	1/1	0.96	0.43	43,43,43,43	0
90	OHX	6	2005	7/7	0.96	0.23	79,79,79,79	0
90	OHX	5	3714	7/7	0.96	0.29	95,95,95,95	0
90	OHX	1	3698	7/7	0.96	0.34	60,60,60,60	0
90	OHX	6	2007	7/7	0.96	0.41	82,82,82,82	0
90	OHX	5	3717	7/7	0.96	0.46	48,48,48,48	0
90	OHX	6	2008	7/7	0.96	0.26	100,100,100,100	0
90	OHX	6	2009	7/7	0.96	0.29	88,88,88,88	0
90	OHX	1	3591	7/7	0.96	0.29	65,65,65,65	0
90	OHX	6	2012	7/7	0.96	0.34	76,76,76,76	0
90	OHX	2	2007	7/7	0.96	0.41	88,88,88,88	0
91	MG	1	3790	1/1	0.96	0.46	32,32,32,32	0
90	OHX	6	2014	7/7	0.96	0.30	64,64,64,64	0
90	OHX	2	1964	7/7	0.96	0.18	97,97,97,97	0
90	OHX	5	3727	7/7	0.96	0.34	71,71,71,71	0
90	OHX	5	3661	7/7	0.97	0.41	51,51,51,51	0
90	OHX	2	1935	7/7	0.97	0.13	82,82,82,82	0
90	OHX	1	3680	7/7	0.97	0.29	76,76,76,76	0
90	OHX	1	3553	7/7	0.97	0.24	63,63,63,63	0
90	OHX	1	3555	7/7	0.97	0.24	81,81,81,81	0
90	OHX	5	3667	7/7	0.97	0.24	72,72,72,72	0
90	OHX	2	1923	7/7	0.97	0.13	84,84,84,84	0
90	OHX	5	3669	7/7	0.97	0.35	50,50,50,50	0
90	OHX	1	3685	7/7	0.97	0.24	65,65,65,65	0
90	OHX	6	2004	7/7	0.97	0.24	84,84,84,84	0
90	OHX	2	1951	7/7	0.97	0.15	82,82,82,82	0
90	OHX	5	3673	7/7	0.97	0.38	56,56,56,56	0
90	OHX	5	3674	7/7	0.97	0.27	43,43,43,43	0
90	OHX	5	3676	7/7	0.97	0.30	66,66,66,66	0
90	OHX	1	3561	7/7	0.97	0.25	64,64,64,64	0
91	MG	5	3975	1/1	0.97	0.28	35,35,35,35	0
91	MG	5	3976	1/1	0.97	0.68	40,40,40,40	0
91	MG	6	2134	1/1	0.97	0.31	57,57,57,57	0
90	OHX	1	3689	7/7	0.97	0.24	57,57,57,57	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
91	MG	1	4009	1/1	0.97	0.21	37,37,37,37	0
91	MG	1	4010	1/1	0.97	0.17	47,47,47,47	0
91	MG	1	4011	1/1	0.97	0.16	50,50,50,50	0
90	OHX	1	3691	7/7	0.97	0.30	80,80,80,80	0
90	OHX	5	3680	7/7	0.97	0.38	45,45,45,45	0
91	MG	5	3984	1/1	0.97	0.12	49,49,49,49	0
90	OHX	1	3562	7/7	0.97	0.22	58,58,58,58	0
90	OHX	5	3682	7/7	0.97	0.30	83,83,83,83	0
91	MG	5	3987	1/1	0.97	0.18	38,38,38,38	0
90	OHX	5	3683	7/7	0.97	0.51	72,72,72,72	0
91	MG	1	4018	1/1	0.97	0.21	36,36,36,36	0
90	OHX	5	3684	7/7	0.97	0.26	73,73,73,73	0
90	OHX	1	3563	7/7	0.97	0.25	70,70,70,70	0
90	OHX	1	3565	7/7	0.97	0.26	57,57,57,57	0
90	OHX	1	3696	7/7	0.97	0.17	46,46,46,46	0
91	MG	1	3768	1/1	0.97	0.78	36,36,36,36	0
90	OHX	1	3567	7/7	0.97	0.23	45,45,45,45	0
90	OHX	2	1977	7/7	0.97	0.23	99,99,99,99	0
90	OHX	2	1952	7/7	0.97	0.26	104,104,104,104	0
90	OHX	1	3574	7/7	0.97	0.29	57,57,57,57	0
90	OHX	1	3575	7/7	0.97	0.32	47,47,47,47	0
91	MG	1	3775	1/1	0.97	0.12	44,44,44,44	0
91	MG	1	4030	1/1	0.97	0.29	40,40,40,40	0
90	OHX	1	3577	7/7	0.97	0.25	51,51,51,51	0
90	OHX	2	1979	7/7	0.97	0.29	82,82,82,82	0
90	OHX	6	2021	7/7	0.97	0.39	84,84,84,84	0
90	OHX	5	3701	7/7	0.97	0.18	50,50,50,50	0
90	OHX	1	3580	7/7	0.97	0.17	79,79,79,79	0
90	OHX	1	3581	7/7	0.97	0.22	53,53,53,53	0
90	OHX	5	3704	7/7	0.97	0.39	59,59,59,59	0
90	OHX	2	2016	7/7	0.97	0.30	84,84,84,84	0
90	OHX	1	3710	7/7	0.97	0.29	56,56,56,56	0
90	OHX	1	3712	7/7	0.97	0.44	58,58,58,58	0
91	MG	6	2168	1/1	0.97	0.22	57,57,57,57	0
90	OHX	1	3583	7/7	0.97	0.41	78,78,78,78	0
90	OHX	2	1953	7/7	0.97	0.26	83,83,83,83	0
90	OHX	2	1981	7/7	0.97	0.19	75,75,75,75	0
91	MG	1	4044	1/1	0.97	0.44	35,35,35,35	0
90	OHX	6	2030	7/7	0.97	0.30	74,74,74,74	0
91	MG	1	3791	1/1	0.97	0.38	35,35,35,35	0
90	OHX	1	3589	7/7	0.97	0.36	53,53,53,53	0
90	OHX	1	3717	7/7	0.97	0.36	64,64,64,64	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
90	OHX	2	2019	7/7	0.97	0.41	91,91,91,91	0
90	OHX	2	1954	7/7	0.97	0.12	89,89,89,89	0
91	MG	1	4051	1/1	0.97	0.42	33,33,33,33	0
90	OHX	2	1983	7/7	0.97	0.24	81,81,81,81	0
90	OHX	2	1955	7/7	0.97	0.24	96,96,96,96	0
90	OHX	1	3595	7/7	0.97	0.43	60,60,60,60	0
91	MG	6	2184	1/1	0.97	0.20	57,57,57,57	0
90	OHX	1	3596	7/7	0.97	0.32	56,56,56,56	0
91	MG	1	3800	1/1	0.97	0.38	32,32,32,32	0
90	OHX	1	3598	7/7	0.97	0.38	50,50,50,50	0
90	OHX	2	1956	7/7	0.97	0.24	92,92,92,92	0
90	OHX	2	1957	7/7	0.97	0.33	85,85,85,85	0
90	OHX	5	3725	7/7	0.97	0.32	90,90,90,90	0
90	OHX	1	3431	7/7	0.97	0.23	46,46,46,46	0
90	OHX	1	3440	7/7	0.97	0.21	44,44,44,44	0
90	OHX	1	3729	7/7	0.97	0.14	60,60,60,60	0
90	OHX	1	3441	7/7	0.97	0.12	55,55,55,55	0
90	OHX	1	3610	7/7	0.97	0.33	64,64,64,64	0
91	MG	1	3813	1/1	0.97	0.31	44,44,44,44	0
90	OHX	5	3731	7/7	0.97	0.36	65,65,65,65	0
91	MG	5	4042	1/1	0.97	0.17	35,35,35,35	0
90	OHX	5	3732	7/7	0.97	0.29	74,74,74,74	0
90	OHX	3	204	7/7	0.97	0.22	49,49,49,49	0
90	OHX	3	206	7/7	0.97	0.17	69,69,69,69	0
91	MG	5	4046	1/1	0.97	0.18	40,40,40,40	0
91	MG	1	4073	1/1	0.97	0.63	41,41,41,41	0
90	OHX	5	3735	7/7	0.97	0.41	81,81,81,81	0
90	OHX	3	207	7/7	0.97	0.17	68,68,68,68	0
90	OHX	1	3611	7/7	0.97	0.28	57,57,57,57	0
90	OHX	2	1988	7/7	0.97	0.30	87,87,87,87	0
91	MG	1	3823	1/1	0.97	0.30	37,37,37,37	0
90	OHX	5	3740	7/7	0.97	0.13	59,59,59,59	0
90	OHX	1	3453	7/7	0.97	0.13	59,59,59,59	0
90	OHX	4	209	7/7	0.97	0.16	55,55,55,55	0
90	OHX	5	3743	7/7	0.97	0.36	72,72,72,72	0
91	MG	1	3828	1/1	0.97	0.68	43,43,43,43	0
90	OHX	4	210	7/7	0.97	0.24	69,69,69,69	0
90	OHX	4	213	7/7	0.97	0.26	63,63,63,63	0
91	MG	5	3767	1/1	0.97	0.59	36,36,36,36	0
90	OHX	5	3747	7/7	0.97	0.15	92,92,92,92	0
91	MG	1	4089	1/1	0.97	0.55	31,31,31,31	0
91	MG	5	4064	1/1	0.97	1.04	31,31,31,31	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
90	OHX	4	215	7/7	0.97	0.24	72,72,72,72	0
91	MG	5	3771	1/1	0.97	0.33	38,38,38,38	0
91	MG	5	3772	1/1	0.97	0.80	46,46,46,46	0
91	MG	5	3773	1/1	0.97	0.33	33,33,33,33	0
90	OHX	7	202	7/7	0.97	0.14	52,52,52,52	0
90	OHX	7	203	7/7	0.97	0.13	48,48,48,48	0
90	OHX	7	207	7/7	0.97	0.18	59,59,59,59	0
91	MG	1	3837	1/1	0.97	0.58	39,39,39,39	0
91	MG	1	4095	1/1	0.97	0.10	52,52,52,52	0
90	OHX	7	208	7/7	0.97	0.27	61,61,61,61	0
91	MG	5	4076	1/1	0.97	0.29	61,61,61,61	0
90	OHX	4	217	7/7	0.97	0.38	48,48,48,48	0
90	OHX	2	1908	7/7	0.97	0.10	95,95,95,95	0
91	MG	1	3841	1/1	0.97	0.38	33,33,33,33	0
90	OHX	8	205	7/7	0.97	0.17	56,56,56,56	0
90	OHX	8	207	7/7	0.97	0.15	75,75,75,75	0
90	OHX	1	3616	7/7	0.97	0.11	131,131,131,131	0
91	MG	5	3787	1/1	0.97	0.36	32,32,32,32	0
90	OHX	8	209	7/7	0.97	0.34	56,56,56,56	0
91	MG	1	4104	1/1	0.97	0.48	54,54,54,54	0
90	OHX	8	210	7/7	0.97	0.21	66,66,66,66	0
91	MG	1	3848	1/1	0.97	0.36	34,34,34,34	0
90	OHX	1	3617	7/7	0.97	0.37	68,68,68,68	0
91	MG	5	3794	1/1	0.97	0.30	37,37,37,37	0
91	MG	5	4090	1/1	0.97	0.17	37,37,37,37	0
90	OHX	1	3468	7/7	0.97	0.13	56,56,56,56	0
90	OHX	1	3471	7/7	0.97	0.11	62,62,62,62	0
90	OHX	1	3623	7/7	0.97	0.23	81,81,81,81	0
90	OHX	1	3624	7/7	0.97	0.25	69,69,69,69	0
90	OHX	1	3474	7/7	0.97	0.14	51,51,51,51	0
90	OHX	1	3475	7/7	0.97	0.17	62,62,62,62	0
90	OHX	5	3443	7/7	0.97	0.16	51,51,51,51	0
91	MG	1	4116	1/1	0.97	0.21	76,76,76,76	0
90	OHX	5	3455	7/7	0.97	0.24	41,41,41,41	0
90	OHX	15	301	7/7	0.97	0.20	77,77,77,77	0
90	OHX	5	3461	7/7	0.97	0.13	44,44,44,44	0
91	MG	5	4105	1/1	0.97	0.33	34,34,34,34	0
90	OHX	19	201	7/7	0.97	0.24	60,60,60,60	0
90	OHX	M5	302	7/7	0.97	0.27	61,61,61,61	0
91	MG	1	4122	1/1	0.97	0.27	37,37,37,37	0
91	MG	5	4109	1/1	0.97	0.19	49,49,49,49	0
90	OHX	m0	304	7/7	0.97	0.37	53,53,53,53	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
90	OHX	5	3468	7/7	0.97	0.12	63,63,63,63	0
90	OHX	5	3470	7/7	0.97	0.14	53,53,53,53	0
90	OHX	5	3473	7/7	0.97	0.19	46,46,46,46	0
91	MG	3	214	1/1	0.97	0.45	59,59,59,59	0
90	OHX	1	3476	7/7	0.97	0.18	59,59,59,59	0
90	OHX	2	1990	7/7	0.97	0.29	99,99,99,99	0
90	OHX	1	3484	7/7	0.97	0.10	78,78,78,78	0
90	OHX	5	3477	7/7	0.97	0.14	56,56,56,56	0
90	OHX	5	3490	7/7	0.97	0.18	64,64,64,64	0
90	OHX	5	3494	7/7	0.97	0.19	57,57,57,57	0
90	OHX	2	1991	7/7	0.97	0.35	96,96,96,96	0
91	MG	5	4123	1/1	0.97	0.22	39,39,39,39	0
90	OHX	5	3498	7/7	0.97	0.17	50,50,50,50	0
90	OHX	5	3500	7/7	0.97	0.20	63,63,63,63	0
90	OHX	2	2029	7/7	0.97	0.34	79,79,79,79	0
90	OHX	O9	101	7/7	0.97	0.41	49,49,49,49	0
90	OHX	6	1902	7/7	0.97	0.13	91,91,91,91	0
90	OHX	5	3511	7/7	0.97	0.21	42,42,42,42	0
90	OHX	5	3515	7/7	0.97	0.20	47,47,47,47	0
90	OHX	6	1905	7/7	0.97	0.11	73,73,73,73	0
91	MG	5	3830	1/1	0.97	0.31	35,35,35,35	0
91	MG	1	3885	1/1	0.97	0.22	53,53,53,53	0
90	OHX	6	1907	7/7	0.97	0.14	77,77,77,77	0
90	OHX	5	3525	7/7	0.97	0.17	58,58,58,58	0
91	MG	1	3888	1/1	0.97	0.77	39,39,39,39	0
91	MG	5	4138	1/1	0.97	0.18	43,43,43,43	0
91	MG	5	3835	1/1	0.97	0.41	34,34,34,34	0
90	OHX	6	1914	7/7	0.97	0.14	61,61,61,61	0
90	OHX	6	1919	7/7	0.97	0.17	74,74,74,74	0
90	OHX	1	3638	7/7	0.97	0.32	67,67,67,67	0
90	OHX	6	1921	7/7	0.97	0.19	64,64,64,64	0
91	MG	5	3841	1/1	0.97	0.59	43,43,43,43	0
90	OHX	1	3639	7/7	0.97	0.38	63,63,63,63	0
91	MG	L4	401	1/1	0.97	0.37	37,37,37,37	0
90	OHX	5	3533	7/7	0.97	0.22	51,51,51,51	0
90	OHX	1	3640	7/7	0.97	0.31	70,70,70,70	0
90	OHX	2	1917	7/7	0.97	0.16	83,83,83,83	0
90	OHX	6	1928	7/7	0.97	0.16	105,105,105,105	0
90	OHX	5	3537	7/7	0.97	0.19	73,73,73,73	0
91	MG	5	3852	1/1	0.97	0.61	31,31,31,31	0
91	MG	L7	302	1/1	0.97	0.20	37,37,37,37	0
91	MG	5	4157	1/1	0.97	0.44	33,33,33,33	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
91	MG	2	2079	1/1	0.97	0.41	85,85,85,85	0
90	OHX	2	1941	7/7	0.97	0.26	93,93,93,93	0
90	OHX	1	3644	7/7	0.97	0.36	61,61,61,61	0
90	OHX	6	1933	7/7	0.97	0.13	98,98,98,98	0
90	OHX	5	3547	7/7	0.97	0.28	61,61,61,61	0
90	OHX	5	3548	7/7	0.97	0.27	49,49,49,49	0
90	OHX	5	3549	7/7	0.97	0.15	79,79,79,79	0
91	MG	M7	206	1/1	0.97	0.63	37,37,37,37	0
90	OHX	5	3550	7/7	0.97	0.31	49,49,49,49	0
91	MG	5	3864	1/1	0.97	0.54	39,39,39,39	0
90	OHX	6	1935	7/7	0.97	0.17	68,68,68,68	0
90	OHX	1	3502	7/7	0.97	0.22	46,46,46,46	0
90	OHX	5	3555	7/7	0.97	0.32	55,55,55,55	0
90	OHX	5	3556	7/7	0.97	0.23	83,83,83,83	0
90	OHX	5	3557	7/7	0.97	0.20	78,78,78,78	0
91	MG	1	3917	1/1	0.97	0.60	32,32,32,32	0
90	OHX	5	3558	7/7	0.97	0.31	59,59,59,59	0
90	OHX	1	3504	7/7	0.97	0.17	64,64,64,64	0
91	MG	5	3875	1/1	0.97	0.43	34,34,34,34	0
90	OHX	6	1940	7/7	0.97	0.16	59,59,59,59	0
90	OHX	5	3568	7/7	0.97	0.23	62,62,62,62	0
91	MG	1	3924	1/1	0.97	0.30	42,42,42,42	0
90	OHX	1	3648	7/7	0.97	0.35	65,65,65,65	0
90	OHX	1	3650	7/7	0.97	0.22	57,57,57,57	0
90	OHX	5	3572	7/7	0.97	0.27	54,54,54,54	0
90	OHX	5	3575	7/7	0.97	0.35	65,65,65,65	0
91	MG	5	3883	1/1	0.97	0.43	32,32,32,32	0
90	OHX	6	1943	7/7	0.97	0.15	102,102,102,102	0
91	MG	7	222	1/1	0.97	0.31	35,35,35,35	0
90	OHX	5	3578	7/7	0.97	0.17	63,63,63,63	0
90	OHX	5	3579	7/7	0.97	0.34	53,53,53,53	0
91	MG	O7	106	1/1	0.97	0.14	46,46,46,46	0
90	OHX	5	3580	7/7	0.97	0.44	55,55,55,55	0
90	OHX	6	1946	7/7	0.97	0.16	79,79,79,79	0
90	OHX	1	3651	7/7	0.97	0.30	64,64,64,64	0
90	OHX	1	3508	7/7	0.97	0.12	67,67,67,67	0
91	MG	2	2107	1/1	0.97	0.34	81,81,81,81	0
90	OHX	5	3591	7/7	0.97	0.28	62,62,62,62	0
90	OHX	5	3592	7/7	0.97	0.22	54,54,54,54	0
90	OHX	1	3653	7/7	0.97	0.37	60,60,60,60	0
90	OHX	2	1942	7/7	0.97	0.28	84,84,84,84	0
90	OHX	1	3655	7/7	0.97	0.27	74,74,74,74	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
90	OHX	6	1954	7/7	0.97	0.12	116,116,116,116	0
90	OHX	6	1956	7/7	0.97	0.14	79,79,79,79	0
90	OHX	5	3599	7/7	0.97	0.17	83,83,83,83	0
90	OHX	1	3517	7/7	0.97	0.21	57,57,57,57	0
90	OHX	1	3522	7/7	0.97	0.18	58,58,58,58	0
90	OHX	1	3658	7/7	0.97	0.28	73,73,73,73	0
91	MG	12	303	1/1	0.97	1.01	44,44,44,44	0
90	OHX	5	3605	7/7	0.97	0.29	61,61,61,61	0
90	OHX	1	3525	7/7	0.97	0.21	77,77,77,77	0
90	OHX	2	1963	7/7	0.97	0.27	73,73,73,73	0
90	OHX	6	1964	7/7	0.97	0.23	62,62,62,62	0
90	OHX	6	1965	7/7	0.97	0.27	77,77,77,77	0
90	OHX	6	1966	7/7	0.97	0.29	69,69,69,69	0
90	OHX	1	3662	7/7	0.97	0.28	71,71,71,71	0
91	MG	m0	301	1/1	0.97	0.32	36,36,36,36	0
90	OHX	2	1927	7/7	0.97	0.15	85,85,85,85	0
91	MG	5	3915	1/1	0.97	0.59	36,36,36,36	0
90	OHX	1	3664	7/7	0.97	0.31	66,66,66,66	0
90	OHX	5	3620	7/7	0.97	0.24	76,76,76,76	0
90	OHX	2	1965	7/7	0.97	0.18	84,84,84,84	0
90	OHX	5	3623	7/7	0.97	0.26	58,58,58,58	0
90	OHX	5	3624	7/7	0.97	0.35	53,53,53,53	0
90	OHX	2	1967	7/7	0.97	0.16	85,85,85,85	0
90	OHX	1	3536	7/7	0.97	0.29	61,61,61,61	0
91	MG	6	2090	1/1	0.97	0.27	56,56,56,56	0
91	MG	n0	201	1/1	0.97	0.49	37,37,37,37	0
90	OHX	2	1968	7/7	0.97	0.37	86,86,86,86	0
90	OHX	1	3669	7/7	0.97	0.27	60,60,60,60	0
91	MG	5	3926	1/1	0.97	0.77	32,32,32,32	0
90	OHX	5	3629	7/7	0.97	0.35	53,53,53,53	0
90	OHX	6	1978	7/7	0.97	0.26	90,90,90,90	0
90	OHX	6	1979	7/7	0.97	0.27	62,62,62,62	0
90	OHX	2	1944	7/7	0.97	0.18	83,83,83,83	0
91	MG	5	3932	1/1	0.97	0.76	41,41,41,41	0
90	OHX	1	3671	7/7	0.97	0.16	60,60,60,60	0
91	MG	1	3971	1/1	0.97	0.18	44,44,44,44	0
90	OHX	5	3635	7/7	0.97	0.33	46,46,46,46	0
90	OHX	2	1911	7/7	0.97	0.09	98,98,98,98	0
91	MG	5	3938	1/1	0.97	0.72	34,34,34,34	0
90	OHX	5	3637	7/7	0.97	0.30	41,41,41,41	0
91	MG	1	3975	1/1	0.97	0.20	53,53,53,53	0
91	MG	5	3941	1/1	0.97	0.17	41,41,41,41	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
90	OHX	6	1983	7/7	0.97	0.19	89,89,89,89	0
90	OHX	6	1986	7/7	0.97	0.27	77,77,77,77	0
91	MG	5	3944	1/1	0.97	0.49	35,35,35,35	0
90	OHX	2	2040	7/7	0.97	0.26	97,97,97,97	0
92	ZN	D9	101	1/1	0.97	0.07	90,90,90,90	0
90	OHX	1	3544	7/7	0.97	0.15	77,77,77,77	0
90	OHX	2	1931	7/7	0.97	0.33	95,95,95,95	0
90	OHX	1	3676	7/7	0.97	0.31	67,67,67,67	0
90	OHX	2	2006	7/7	0.97	0.32	98,98,98,98	0
90	OHX	6	1992	7/7	0.97	0.28	88,88,88,88	0
90	OHX	5	3652	7/7	0.97	0.32	59,59,59,59	0
90	OHX	5	3654	7/7	0.97	0.42	62,62,62,62	0
90	OHX	2	1921	7/7	0.97	0.26	97,97,97,97	0
90	OHX	6	1994	7/7	0.97	0.32	98,98,98,98	0
90	OHX	6	1995	7/7	0.97	0.36	79,79,79,79	0
90	OHX	6	1996	7/7	0.97	0.36	78,78,78,78	0
90	OHX	5	3660	7/7	0.97	0.43	58,58,58,58	0
90	OHX	1	3477	7/7	0.98	0.17	51,51,51,51	0
91	MG	6	2126	1/1	0.98	0.49	62,62,62,62	0
90	OHX	1	3584	7/7	0.98	0.21	80,80,80,80	0
90	OHX	1	3706	7/7	0.98	0.09	97,97,97,97	0
90	OHX	1	3585	7/7	0.98	0.20	74,74,74,74	0
90	OHX	1	3708	7/7	0.98	0.32	60,60,60,60	0
90	OHX	1	3586	7/7	0.98	0.23	46,46,46,46	0
90	OHX	1	3479	7/7	0.98	0.12	67,67,67,67	0
90	OHX	1	3711	7/7	0.98	0.36	58,58,58,58	0
90	OHX	6	2011	7/7	0.98	0.38	72,72,72,72	0
90	OHX	1	3480	7/7	0.98	0.12	48,48,48,48	0
90	OHX	2	1934	7/7	0.98	0.26	94,94,94,94	0
90	OHX	1	3482	7/7	0.98	0.14	57,57,57,57	0
90	OHX	2	2008	7/7	0.98	0.14	106,106,106,106	0
90	OHX	5	3639	7/7	0.98	0.29	58,58,58,58	0
90	OHX	5	3640	7/7	0.98	0.29	59,59,59,59	0
90	OHX	1	3592	7/7	0.98	0.20	86,86,86,86	0
90	OHX	5	3642	7/7	0.98	0.36	49,49,49,49	0
90	OHX	1	3485	7/7	0.98	0.14	69,69,69,69	0
90	OHX	1	3487	7/7	0.98	0.12	68,68,68,68	0
90	OHX	2	1910	7/7	0.98	0.10	89,89,89,89	0
90	OHX	5	3646	7/7	0.98	0.48	63,63,63,63	0
90	OHX	1	3489	7/7	0.98	0.18	51,51,51,51	0
90	OHX	1	3597	7/7	0.98	0.17	78,78,78,78	0
90	OHX	5	3649	7/7	0.98	0.28	71,71,71,71	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
90	OHX	5	3650	7/7	0.98	0.28	50,50,50,50	0
90	OHX	1	3491	7/7	0.98	0.15	66,66,66,66	0
90	OHX	1	3599	7/7	0.98	0.34	58,58,58,58	0
90	OHX	1	3600	7/7	0.98	0.24	63,63,63,63	0
90	OHX	2	2010	7/7	0.98	0.25	85,85,85,85	0
91	MG	1	4016	1/1	0.98	0.40	52,52,52,52	0
90	OHX	5	3656	7/7	0.98	0.35	64,64,64,64	0
90	OHX	2	1904	7/7	0.98	0.09	83,83,83,83	0
90	OHX	1	3496	7/7	0.98	0.14	53,53,53,53	0
90	OHX	1	3497	7/7	0.98	0.17	74,74,74,74	0
91	MG	6	2160	1/1	0.98	0.38	73,73,73,73	0
90	OHX	1	3605	7/7	0.98	0.14	63,63,63,63	0
90	OHX	1	3606	7/7	0.98	0.24	62,62,62,62	0
90	OHX	5	3662	7/7	0.98	0.29	47,47,47,47	0
90	OHX	3	201	7/7	0.98	0.10	60,60,60,60	0
90	OHX	1	3498	7/7	0.98	0.14	50,50,50,50	0
90	OHX	1	3608	7/7	0.98	0.28	71,71,71,71	0
90	OHX	1	3609	7/7	0.98	0.29	66,66,66,66	0
90	OHX	1	3500	7/7	0.98	0.16	62,62,62,62	0
90	OHX	2	1937	7/7	0.98	0.16	84,84,84,84	0
90	OHX	2	1992	7/7	0.98	0.20	95,95,95,95	0
90	OHX	1	3503	7/7	0.98	0.16	75,75,75,75	0
90	OHX	4	205	7/7	0.98	0.11	49,49,49,49	0
91	MG	5	4012	1/1	0.98	0.18	35,35,35,35	0
90	OHX	4	206	7/7	0.98	0.18	51,51,51,51	0
90	OHX	6	2041	7/7	0.98	0.34	79,79,79,79	0
90	OHX	4	207	7/7	0.98	0.23	46,46,46,46	0
90	OHX	5	3675	7/7	0.98	0.28	59,59,59,59	0
91	MG	1	3771	1/1	0.98	0.24	30,30,30,30	0
90	OHX	4	208	7/7	0.98	0.14	49,49,49,49	0
90	OHX	2	1949	7/7	0.98	0.11	94,94,94,94	0
90	OHX	1	3615	7/7	0.98	0.21	64,64,64,64	0
90	OHX	4	211	7/7	0.98	0.30	56,56,56,56	0
90	OHX	4	212	7/7	0.98	0.26	53,53,53,53	0
90	OHX	1	3505	7/7	0.98	0.22	66,66,66,66	0
90	OHX	4	214	7/7	0.98	0.29	50,50,50,50	0
90	OHX	1	3507	7/7	0.98	0.24	51,51,51,51	0
90	OHX	4	216	7/7	0.98	0.22	70,70,70,70	0
90	OHX	C8	202	7/7	0.98	0.13	80,80,80,80	0
91	MG	c8	201	1/1	0.98	0.08	86,86,86,86	0
90	OHX	5	3686	7/7	0.98	0.42	58,58,58,58	0
90	OHX	1	3619	7/7	0.98	0.30	41,41,41,41	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
90	OHX	5	3688	7/7	0.98	0.45	59,59,59,59	0
90	OHX	2	1962	7/7	0.98	0.22	86,86,86,86	0
90	OHX	1	3621	7/7	0.98	0.28	79,79,79,79	0
91	MG	1	3787	1/1	0.98	0.41	49,49,49,49	0
90	OHX	5	3691	7/7	0.98	0.29	64,64,64,64	0
90	OHX	1	3622	7/7	0.98	0.34	54,54,54,54	0
91	MG	1	4056	1/1	0.98	0.22	34,34,34,34	0
90	OHX	5	3693	7/7	0.98	0.29	63,63,63,63	0
90	OHX	5	3694	7/7	0.98	0.34	55,55,55,55	0
91	MG	1	4059	1/1	0.98	0.08	46,46,46,46	0
90	OHX	1	3510	7/7	0.98	0.22	58,58,58,58	0
90	OHX	1	3512	7/7	0.98	0.22	48,48,48,48	0
90	OHX	L3	402	7/7	0.98	0.24	65,65,65,65	0
90	OHX	s1	301	7/7	0.98	0.14	77,77,77,77	0
90	OHX	1	3513	7/7	0.98	0.18	52,52,52,52	0
90	OHX	1	3514	7/7	0.98	0.19	56,56,56,56	0
90	OHX	L6	202	7/7	0.98	0.35	62,62,62,62	0
90	OHX	1	3627	7/7	0.98	0.25	62,62,62,62	0
91	MG	5	4049	1/1	0.98	0.19	48,48,48,48	0
90	OHX	1	3628	7/7	0.98	0.25	79,79,79,79	0
90	OHX	M6	201	7/7	0.98	0.15	54,54,54,54	0
90	OHX	1	3516	7/7	0.98	0.15	73,73,73,73	0
90	OHX	5	3706	7/7	0.98	0.49	76,76,76,76	0
90	OHX	1	3631	7/7	0.98	0.35	88,88,88,88	0
90	OHX	5	3403	7/7	0.98	0.13	43,43,43,43	0
90	OHX	5	3420	7/7	0.98	0.13	44,44,44,44	0
90	OHX	5	3429	7/7	0.98	0.13	47,47,47,47	0
90	OHX	5	3432	7/7	0.98	0.20	45,45,45,45	0
90	OHX	5	3434	7/7	0.98	0.08	46,46,46,46	0
91	MG	1	3811	1/1	0.98	0.42	40,40,40,40	0
91	MG	1	3812	1/1	0.98	0.18	47,47,47,47	0
91	MG	1	4080	1/1	0.98	0.52	33,33,33,33	0
90	OHX	1	3632	7/7	0.98	0.23	72,72,72,72	0
91	MG	5	3776	1/1	0.98	0.51	40,40,40,40	0
90	OHX	5	3445	7/7	0.98	0.12	45,45,45,45	0
90	OHX	5	3448	7/7	0.98	0.14	48,48,48,48	0
90	OHX	5	3449	7/7	0.98	0.11	58,58,58,58	0
91	MG	1	4085	1/1	0.98	0.33	39,39,39,39	0
90	OHX	5	3451	7/7	0.98	0.12	63,63,63,63	0
90	OHX	5	3454	7/7	0.98	0.13	58,58,58,58	0
91	MG	1	3819	1/1	0.98	0.22	43,43,43,43	0
91	MG	5	4072	1/1	0.98	0.32	37,37,37,37	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
90	OHX	2	1928	7/7	0.98	0.18	79,79,79,79	0
90	OHX	5	3720	7/7	0.98	0.27	49,49,49,49	0
90	OHX	5	3456	7/7	0.98	0.10	58,58,58,58	0
90	OHX	5	3457	7/7	0.98	0.15	57,57,57,57	0
90	OHX	5	3458	7/7	0.98	0.15	64,64,64,64	0
90	OHX	5	3460	7/7	0.98	0.09	48,48,48,48	0
91	MG	5	3790	1/1	0.98	0.41	31,31,31,31	0
90	OHX	1	3634	7/7	0.98	0.25	57,57,57,57	0
90	OHX	1	3518	7/7	0.98	0.22	46,46,46,46	0
90	OHX	5	3467	7/7	0.98	0.12	70,70,70,70	0
91	MG	1	3829	1/1	0.98	0.68	38,38,38,38	0
90	OHX	1	3520	7/7	0.98	0.16	64,64,64,64	0
90	OHX	5	3469	7/7	0.98	0.14	48,48,48,48	0
90	OHX	1	3521	7/7	0.98	0.16	62,62,62,62	0
90	OHX	5	3471	7/7	0.98	0.11	66,66,66,66	0
90	OHX	5	3472	7/7	0.98	0.10	63,63,63,63	0
90	OHX	1	3418	7/7	0.98	0.15	52,52,52,52	0
91	MG	5	3801	1/1	0.98	0.25	32,32,32,32	0
90	OHX	1	3523	7/7	0.98	0.25	59,59,59,59	0
90	OHX	1	3524	7/7	0.98	0.30	57,57,57,57	0
90	OHX	5	3736	7/7	0.98	0.29	85,85,85,85	0
90	OHX	1	3422	7/7	0.98	0.10	55,55,55,55	0
90	OHX	1	3642	7/7	0.98	0.30	77,77,77,77	0
90	OHX	5	3478	7/7	0.98	0.12	58,58,58,58	0
90	OHX	5	3479	7/7	0.98	0.10	52,52,52,52	0
91	MG	5	4100	1/1	0.98	0.28	40,40,40,40	0
90	OHX	5	3480	7/7	0.98	0.11	49,49,49,49	0
90	OHX	5	3482	7/7	0.98	0.16	57,57,57,57	0
90	OHX	5	3486	7/7	0.98	0.14	53,53,53,53	0
90	OHX	5	3488	7/7	0.98	0.15	41,41,41,41	0
90	OHX	5	3489	7/7	0.98	0.12	53,53,53,53	0
90	OHX	6	1922	7/7	0.98	0.18	60,60,60,60	0
90	OHX	1	3526	7/7	0.98	0.16	69,69,69,69	0
90	OHX	5	3495	7/7	0.98	0.28	47,47,47,47	0
90	OHX	6	1924	7/7	0.98	0.10	63,63,63,63	0
90	OHX	7	204	7/7	0.98	0.15	45,45,45,45	0
90	OHX	7	205	7/7	0.98	0.14	55,55,55,55	0
90	OHX	7	206	7/7	0.98	0.17	56,56,56,56	0
90	OHX	1	3423	7/7	0.98	0.10	61,61,61,61	0
90	OHX	5	3499	7/7	0.98	0.12	72,72,72,72	0
91	MG	3	213	1/1	0.98	0.67	39,39,39,39	0
90	OHX	7	209	7/7	0.98	0.30	46,46,46,46	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
90	OHX	1	3528	7/7	0.98	0.14	79,79,79,79	0
90	OHX	1	3427	7/7	0.98	0.10	52,52,52,52	0
91	MG	1	3861	1/1	0.98	0.74	38,38,38,38	0
91	MG	5	4120	1/1	0.98	0.24	34,34,34,34	0
90	OHX	5	3502	7/7	0.98	0.18	44,44,44,44	0
90	OHX	8	206	7/7	0.98	0.22	58,58,58,58	0
90	OHX	6	1929	7/7	0.98	0.13	63,63,63,63	0
90	OHX	5	3504	7/7	0.98	0.09	52,52,52,52	0
91	MG	1	3866	1/1	0.98	0.57	40,40,40,40	0
90	OHX	5	3505	7/7	0.98	0.25	39,39,39,39	0
90	OHX	5	3506	7/7	0.98	0.24	52,52,52,52	0
90	OHX	5	3507	7/7	0.98	0.23	61,61,61,61	0
90	OHX	1	3647	7/7	0.98	0.38	55,55,55,55	0
91	MG	1	3871	1/1	0.98	0.26	41,41,41,41	0
90	OHX	5	3509	7/7	0.98	0.12	90,90,90,90	0
90	OHX	1	3530	7/7	0.98	0.17	89,89,89,89	0
91	MG	5	3840	1/1	0.98	0.20	35,35,35,35	0
90	OHX	5	3513	7/7	0.98	0.20	52,52,52,52	0
90	OHX	5	3514	7/7	0.98	0.13	85,85,85,85	0
90	OHX	1	3649	7/7	0.98	0.22	64,64,64,64	0
91	MG	1	3877	1/1	0.98	0.32	39,39,39,39	0
90	OHX	5	3517	7/7	0.98	0.15	55,55,55,55	0
90	OHX	13	401	7/7	0.98	0.12	52,52,52,52	0
90	OHX	1	3531	7/7	0.98	0.21	55,55,55,55	0
91	MG	5	4142	1/1	0.98	0.39	34,34,34,34	0
90	OHX	5	3519	7/7	0.98	0.21	48,48,48,48	0
91	MG	5	3850	1/1	0.98	0.27	41,41,41,41	0
91	MG	5	3851	1/1	0.98	0.90	40,40,40,40	0
90	OHX	5	3520	7/7	0.98	0.20	60,60,60,60	0
90	OHX	5	3523	7/7	0.98	0.22	50,50,50,50	0
90	OHX	2	1929	7/7	0.98	0.15	83,83,83,83	0
91	MG	5	3855	1/1	0.98	0.51	31,31,31,31	0
90	OHX	6	1938	7/7	0.98	0.14	76,76,76,76	0
90	OHX	m6	202	7/7	0.98	0.12	48,48,48,48	0
90	OHX	1	3534	7/7	0.98	0.15	70,70,70,70	0
90	OHX	1	3432	7/7	0.98	0.15	55,55,55,55	0
90	OHX	o3	201	7/7	0.98	0.18	54,54,54,54	0
90	OHX	1	3433	7/7	0.98	0.13	52,52,52,52	0
91	MG	1	3891	1/1	0.98	0.46	33,33,33,33	0
90	OHX	1	3435	7/7	0.98	0.08	63,63,63,63	0
90	OHX	1	3538	7/7	0.98	0.17	54,54,54,54	0
90	OHX	5	3532	7/7	0.98	0.20	45,45,45,45	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
90	OHX	6	1945	7/7	0.98	0.18	72,72,72,72	0
90	OHX	1	3439	7/7	0.98	0.11	59,59,59,59	0
91	MG	1	3897	1/1	0.98	0.73	30,30,30,30	0
90	OHX	6	1947	7/7	0.98	0.18	71,71,71,71	0
91	MG	5	3870	1/1	0.98	0.39	33,33,33,33	0
90	OHX	2	1940	7/7	0.98	0.10	94,94,94,94	0
91	MG	5	3872	1/1	0.98	0.59	31,31,31,31	0
90	OHX	1	3659	7/7	0.98	0.36	70,70,70,70	0
90	OHX	5	3538	7/7	0.98	0.28	47,47,47,47	0
90	OHX	5	3539	7/7	0.98	0.21	55,55,55,55	0
90	OHX	2	1966	7/7	0.98	0.20	65,65,65,65	0
90	OHX	1	3543	7/7	0.98	0.15	72,72,72,72	0
91	MG	1	3905	1/1	0.98	0.41	35,35,35,35	0
90	OHX	1	3445	7/7	0.98	0.11	47,47,47,47	0
90	OHX	5	3543	7/7	0.98	0.26	45,45,45,45	0
90	OHX	5	3544	7/7	0.98	0.21	66,66,66,66	0
91	MG	1	3909	1/1	0.98	0.59	29,29,29,29	0
90	OHX	5	3545	7/7	0.98	0.27	49,49,49,49	0
90	OHX	5	3546	7/7	0.98	0.20	68,68,68,68	0
90	OHX	1	3545	7/7	0.98	0.22	68,68,68,68	0
90	OHX	1	3546	7/7	0.98	0.25	65,65,65,65	0
90	OHX	2	1914	7/7	0.98	0.12	78,78,78,78	0
91	MG	1	3915	1/1	0.98	0.54	34,34,34,34	0
90	OHX	1	3549	7/7	0.98	0.23	63,63,63,63	0
90	OHX	1	3449	7/7	0.98	0.12	56,56,56,56	0
90	OHX	5	3552	7/7	0.98	0.20	54,54,54,54	0
91	MG	1	3919	1/1	0.98	0.59	36,36,36,36	0
90	OHX	1	3450	7/7	0.98	0.11	62,62,62,62	0
90	OHX	5	3554	7/7	0.98	0.20	52,52,52,52	0
90	OHX	1	3451	7/7	0.98	0.10	65,65,65,65	0
91	MG	1	3923	1/1	0.98	0.24	41,41,41,41	0
90	OHX	6	1962	7/7	0.98	0.20	69,69,69,69	0
90	OHX	6	1963	7/7	0.98	0.16	78,78,78,78	0
90	OHX	1	3452	7/7	0.98	0.14	46,46,46,46	0
90	OHX	2	1907	7/7	0.98	0.12	93,93,93,93	0
91	MG	8	223	1/1	0.98	0.14	47,47,47,47	0
90	OHX	5	3561	7/7	0.98	0.25	60,60,60,60	0
90	OHX	1	3556	7/7	0.98	0.19	56,56,56,56	0
91	MG	5	3903	1/1	0.98	0.44	32,32,32,32	0
90	OHX	5	3563	7/7	0.98	0.24	72,72,72,72	0
90	OHX	5	3564	7/7	0.98	0.30	59,59,59,59	0
90	OHX	5	3567	7/7	0.98	0.28	53,53,53,53	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
91	MG	5	3907	1/1	0.98	0.19	31,31,31,31	0
90	OHX	1	3557	7/7	0.98	0.20	74,74,74,74	0
90	OHX	1	3558	7/7	0.98	0.16	69,69,69,69	0
91	MG	5	3910	1/1	0.98	0.43	34,34,34,34	0
90	OHX	1	3454	7/7	0.98	0.11	65,65,65,65	0
90	OHX	5	3571	7/7	0.98	0.25	61,61,61,61	0
90	OHX	1	3456	7/7	0.98	0.12	73,73,73,73	0
90	OHX	5	3573	7/7	0.98	0.21	60,60,60,60	0
90	OHX	5	3574	7/7	0.98	0.18	55,55,55,55	0
90	OHX	6	1971	7/7	0.98	0.25	55,55,55,55	0
91	MG	17	301	1/1	0.98	0.41	34,34,34,34	0
90	OHX	6	1972	7/7	0.98	0.15	67,67,67,67	0
90	OHX	1	3458	7/7	0.98	0.09	72,72,72,72	0
90	OHX	1	3459	7/7	0.98	0.12	44,44,44,44	0
90	OHX	1	3460	7/7	0.98	0.10	58,58,58,58	0
90	OHX	5	3581	7/7	0.98	0.27	56,56,56,56	0
90	OHX	5	3582	7/7	0.98	0.18	71,71,71,71	0
90	OHX	5	3583	7/7	0.98	0.19	52,52,52,52	0
90	OHX	6	1976	7/7	0.98	0.26	58,58,58,58	0
90	OHX	5	3585	7/7	0.98	0.22	51,51,51,51	0
90	OHX	1	3564	7/7	0.98	0.19	50,50,50,50	0
90	OHX	1	3462	7/7	0.98	0.11	80,80,80,80	0
91	MG	5	3928	1/1	0.98	0.59	29,29,29,29	0
90	OHX	5	3589	7/7	0.98	0.34	47,47,47,47	0
90	OHX	5	3590	7/7	0.98	0.29	60,60,60,60	0
90	OHX	1	3566	7/7	0.98	0.18	71,71,71,71	0
90	OHX	1	3683	7/7	0.98	0.28	56,56,56,56	0
91	MG	5	3933	1/1	0.98	0.65	31,31,31,31	0
90	OHX	2	1969	7/7	0.98	0.09	87,87,87,87	0
90	OHX	1	3465	7/7	0.98	0.13	70,70,70,70	0
90	OHX	5	3595	7/7	0.98	0.29	48,48,48,48	0
90	OHX	1	3569	7/7	0.98	0.21	75,75,75,75	0
90	OHX	6	1984	7/7	0.98	0.41	87,87,87,87	0
90	OHX	6	1985	7/7	0.98	0.34	91,91,91,91	0
90	OHX	1	3687	7/7	0.98	0.42	58,58,58,58	0
90	OHX	2	2002	7/7	0.98	0.39	86,86,86,86	0
90	OHX	1	3571	7/7	0.98	0.20	64,64,64,64	0
90	OHX	5	3602	7/7	0.98	0.24	64,64,64,64	0
90	OHX	5	3603	7/7	0.98	0.30	57,57,57,57	0
90	OHX	1	3572	7/7	0.98	0.22	60,60,60,60	0
90	OHX	1	3692	7/7	0.98	0.29	69,69,69,69	0
90	OHX	1	3573	7/7	0.98	0.20	73,73,73,73	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
90	OHX	5	3610	7/7	0.98	0.31	45,45,45,45	0
92	ZN	D6	500	1/1	0.98	0.03	87,87,87,87	0
90	OHX	1	3469	7/7	0.98	0.16	82,82,82,82	0
90	OHX	5	3612	7/7	0.98	0.27	54,54,54,54	0
90	OHX	2	1916	7/7	0.98	0.11	84,84,84,84	0
91	MG	5	3952	1/1	0.98	0.39	41,41,41,41	0
92	ZN	d9	101	1/1	0.98	0.10	97,97,97,97	0
90	OHX	1	3576	7/7	0.98	0.14	60,60,60,60	0
90	OHX	1	3472	7/7	0.98	0.11	62,62,62,62	0
92	ZN	q3	501	1/1	0.98	0.12	55,55,55,55	0
90	OHX	1	3473	7/7	0.98	0.10	55,55,55,55	0
90	OHX	1	3579	7/7	0.98	0.18	67,67,67,67	0
90	OHX	2	1933	7/7	0.98	0.11	91,91,91,91	0
90	OHX	2	2005	7/7	0.98	0.22	84,84,84,84	0
90	OHX	5	3621	7/7	0.98	0.19	73,73,73,73	0
90	OHX	6	2000	7/7	0.98	0.22	69,69,69,69	0
90	OHX	1	3702	7/7	0.98	0.38	49,49,49,49	0
90	OHX	2	1987	7/7	0.98	0.19	94,94,94,94	0
90	OHX	q2	502	7/7	0.99	0.09	45,45,45,45	0
90	OHX	5	3630	7/7	0.99	0.25	65,65,65,65	0
91	MG	4	230	1/1	0.99	0.12	46,46,46,46	0
91	MG	1	3801	1/1	0.99	0.17	37,37,37,37	0
90	OHX	6	1917	7/7	0.99	0.09	55,55,55,55	0
90	OHX	6	1918	7/7	0.99	0.11	49,49,49,49	0
90	OHX	1	3483	7/7	0.99	0.15	72,72,72,72	0
90	OHX	1	3539	7/7	0.99	0.18	52,52,52,52	0
90	OHX	5	3481	7/7	0.99	0.09	49,49,49,49	0
90	OHX	2	1924	7/7	0.99	0.08	103,103,103,103	0
90	OHX	5	3483	7/7	0.99	0.16	43,43,43,43	0
90	OHX	5	3484	7/7	0.99	0.14	48,48,48,48	0
90	OHX	5	3485	7/7	0.99	0.20	52,52,52,52	0
90	OHX	1	3404	7/7	0.99	0.18	43,43,43,43	0
90	OHX	5	3487	7/7	0.99	0.12	47,47,47,47	0
90	OHX	1	3486	7/7	0.99	0.10	57,57,57,57	0
91	MG	sM	302	1/1	0.99	0.58	45,45,45,45	0
90	OHX	1	3405	7/7	0.99	0.13	43,43,43,43	0
90	OHX	1	3442	7/7	0.99	0.12	58,58,58,58	0
90	OHX	5	3492	7/7	0.99	0.12	48,48,48,48	0
90	OHX	5	3493	7/7	0.99	0.13	51,51,51,51	0
90	OHX	6	1926	7/7	0.99	0.19	67,67,67,67	0
90	OHX	1	3443	7/7	0.99	0.07	53,53,53,53	0
90	OHX	5	3496	7/7	0.99	0.20	71,71,71,71	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
90	OHX	1	3490	7/7	0.99	0.21	53,53,53,53	0
90	OHX	1	3547	7/7	0.99	0.20	58,58,58,58	0
90	OHX	6	1930	7/7	0.99	0.14	64,64,64,64	0
91	MG	1	3992	1/1	0.99	0.38	44,44,44,44	0
90	OHX	5	3653	7/7	0.99	0.36	54,54,54,54	0
91	MG	1	3994	1/1	0.99	0.18	46,46,46,46	0
90	OHX	1	3444	7/7	0.99	0.09	66,66,66,66	0
90	OHX	1	3406	7/7	0.99	0.15	52,52,52,52	0
90	OHX	1	3493	7/7	0.99	0.16	42,42,42,42	0
90	OHX	6	1934	7/7	0.99	0.14	68,68,68,68	0
90	OHX	1	3494	7/7	0.99	0.13	67,67,67,67	0
90	OHX	6	1936	7/7	0.99	0.12	74,74,74,74	0
90	OHX	1	3408	7/7	0.99	0.12	41,41,41,41	0
90	OHX	1	3447	7/7	0.99	0.12	54,54,54,54	0
90	OHX	1	3554	7/7	0.99	0.14	70,70,70,70	0
90	OHX	3	202	7/7	0.99	0.21	54,54,54,54	0
90	OHX	5	3510	7/7	0.99	0.07	35,35,35,35	0
90	OHX	1	3448	7/7	0.99	0.07	54,54,54,54	0
90	OHX	5	3512	7/7	0.99	0.16	60,60,60,60	0
90	OHX	1	3409	7/7	0.99	0.10	39,39,39,39	0
90	OHX	3	205	7/7	0.99	0.14	69,69,69,69	0
91	MG	5	4130	1/1	0.99	0.21	32,32,32,32	0
90	OHX	6	1944	7/7	0.99	0.21	71,71,71,71	0
90	OHX	5	3516	7/7	0.99	0.23	51,51,51,51	0
90	OHX	1	3499	7/7	0.99	0.11	40,40,40,40	0
91	MG	1	3843	1/1	0.99	0.48	36,36,36,36	0
90	OHX	1	3410	7/7	0.99	0.14	48,48,48,48	0
90	OHX	1	3411	7/7	0.99	0.08	43,43,43,43	0
90	OHX	1	3412	7/7	0.99	0.08	51,51,51,51	0
90	OHX	5	3521	7/7	0.99	0.17	47,47,47,47	0
90	OHX	5	3522	7/7	0.99	0.13	61,61,61,61	0
90	OHX	1	3413	7/7	0.99	0.08	45,45,45,45	0
90	OHX	6	1950	7/7	0.99	0.15	90,90,90,90	0
90	OHX	4	203	7/7	0.99	0.12	41,41,41,41	0
90	OHX	4	204	7/7	0.99	0.12	47,47,47,47	0
90	OHX	1	3415	7/7	0.99	0.11	53,53,53,53	0
91	MG	5	3966	1/1	0.99	0.11	49,49,49,49	0
90	OHX	5	3528	7/7	0.99	0.17	42,42,42,42	0
90	OHX	1	3455	7/7	0.99	0.10	50,50,50,50	0
91	MG	5	4148	1/1	0.99	0.26	34,34,34,34	0
90	OHX	6	1955	7/7	0.99	0.09	108,108,108,108	0
90	OHX	1	3506	7/7	0.99	0.22	50,50,50,50	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
90	OHX	1	3417	7/7	0.99	0.18	52,52,52,52	0
90	OHX	1	3457	7/7	0.99	0.11	53,53,53,53	0
90	OHX	2	1905	7/7	0.99	0.13	76,76,76,76	0
90	OHX	1	3420	7/7	0.99	0.11	59,59,59,59	0
90	OHX	1	3511	7/7	0.99	0.15	45,45,45,45	0
90	OHX	1	3421	7/7	0.99	0.12	57,57,57,57	0
90	OHX	1	3629	7/7	0.99	0.13	50,50,50,50	0
90	OHX	1	3461	7/7	0.99	0.10	43,43,43,43	0
90	OHX	1	3690	7/7	0.99	0.21	52,52,52,52	0
90	OHX	2	1912	7/7	0.99	0.07	93,93,93,93	0
90	OHX	1	3515	7/7	0.99	0.18	39,39,39,39	0
90	OHX	1	3463	7/7	0.99	0.11	54,54,54,54	0
90	OHX	2	1913	7/7	0.99	0.14	84,84,84,84	0
90	OHX	1	3424	7/7	0.99	0.12	55,55,55,55	0
90	OHX	1	3519	7/7	0.99	0.25	53,53,53,53	0
90	OHX	1	3466	7/7	0.99	0.14	43,43,43,43	0
90	OHX	1	3467	7/7	0.99	0.10	54,54,54,54	0
90	OHX	1	3425	7/7	0.99	0.10	50,50,50,50	0
90	OHX	1	3426	7/7	0.99	0.14	58,58,58,58	0
90	OHX	L6	201	7/7	0.99	0.16	44,44,44,44	0
90	OHX	1	3470	7/7	0.99	0.14	48,48,48,48	0
90	OHX	2	1919	7/7	0.99	0.07	73,73,73,73	0
90	OHX	M5	301	7/7	0.99	0.12	46,46,46,46	0
90	OHX	5	3404	7/7	0.99	0.14	36,36,36,36	0
90	OHX	5	3405	7/7	0.99	0.17	36,36,36,36	0
90	OHX	5	3406	7/7	0.99	0.13	38,38,38,38	0
90	OHX	5	3408	7/7	0.99	0.17	47,47,47,47	0
90	OHX	5	3409	7/7	0.99	0.12	43,43,43,43	0
90	OHX	5	3560	7/7	0.99	0.15	41,41,41,41	0
90	OHX	5	3410	7/7	0.99	0.14	45,45,45,45	0
90	OHX	5	3411	7/7	0.99	0.11	44,44,44,44	0
90	OHX	5	3413	7/7	0.99	0.14	47,47,47,47	0
90	OHX	5	3415	7/7	0.99	0.08	42,42,42,42	0
90	OHX	5	3565	7/7	0.99	0.19	55,55,55,55	0
90	OHX	5	3566	7/7	0.99	0.15	58,58,58,58	0
90	OHX	5	3416	7/7	0.99	0.11	43,43,43,43	0
90	OHX	5	3417	7/7	0.99	0.11	41,41,41,41	0
90	OHX	5	3419	7/7	0.99	0.09	50,50,50,50	0
90	OHX	1	3429	7/7	0.99	0.10	55,55,55,55	0
90	OHX	5	3421	7/7	0.99	0.09	44,44,44,44	0
90	OHX	5	3422	7/7	0.99	0.10	51,51,51,51	0
90	OHX	5	3423	7/7	0.99	0.10	54,54,54,54	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
90	OHX	5	3424	7/7	0.99	0.08	41,41,41,41	0
90	OHX	5	3426	7/7	0.99	0.12	51,51,51,51	0
90	OHX	5	3576	7/7	0.99	0.15	50,50,50,50	0
90	OHX	5	3427	7/7	0.99	0.06	41,41,41,41	0
90	OHX	5	3428	7/7	0.99	0.07	37,37,37,37	0
90	OHX	1	3430	7/7	0.99	0.11	43,43,43,43	0
90	OHX	5	3431	7/7	0.99	0.11	46,46,46,46	0
91	MG	5	3844	1/1	0.99	0.24	45,45,45,45	0
90	OHX	2	1920	7/7	0.99	0.07	76,76,76,76	0
90	OHX	2	1901	7/7	0.99	0.18	78,78,78,78	0
90	OHX	5	3435	7/7	0.99	0.09	64,64,64,64	0
90	OHX	5	3436	7/7	0.99	0.10	41,41,41,41	0
90	OHX	5	3437	7/7	0.99	0.09	46,46,46,46	0
90	OHX	5	3438	7/7	0.99	0.11	46,46,46,46	0
90	OHX	5	3587	7/7	0.99	0.19	44,44,44,44	0
90	OHX	5	3439	7/7	0.99	0.10	43,43,43,43	0
90	OHX	5	3440	7/7	0.99	0.08	45,45,45,45	0
90	OHX	5	3441	7/7	0.99	0.07	57,57,57,57	0
90	OHX	5	3745	7/7	0.99	0.10	70,70,70,70	0
90	OHX	5	3442	7/7	0.99	0.12	59,59,59,59	0
90	OHX	2	1922	7/7	0.99	0.07	83,83,83,83	0
90	OHX	5	3444	7/7	0.99	0.08	51,51,51,51	0
90	OHX	7	201	7/7	0.99	0.07	49,49,49,49	0
90	OHX	N9	101	7/7	0.99	0.10	42,42,42,42	0
90	OHX	5	3446	7/7	0.99	0.08	56,56,56,56	0
90	OHX	5	3447	7/7	0.99	0.09	41,41,41,41	0
90	OHX	O3	201	7/7	0.99	0.23	55,55,55,55	0
90	OHX	1	3434	7/7	0.99	0.12	58,58,58,58	0
90	OHX	5	3450	7/7	0.99	0.10	65,65,65,65	0
90	OHX	1	3532	7/7	0.99	0.15	48,48,48,48	0
90	OHX	5	3452	7/7	0.99	0.09	55,55,55,55	0
90	OHX	5	3453	7/7	0.99	0.07	91,91,91,91	0
90	OHX	1	3478	7/7	0.99	0.16	51,51,51,51	0
90	OHX	8	203	7/7	0.99	0.11	41,41,41,41	0
91	MG	1	3766	1/1	0.99	0.37	36,36,36,36	0
90	OHX	8	204	7/7	0.99	0.11	40,40,40,40	0
90	OHX	Q2	502	7/7	0.99	0.06	41,41,41,41	0
90	OHX	6	1901	7/7	0.99	0.16	59,59,59,59	0
90	OHX	2	1902	7/7	0.99	0.13	81,81,81,81	0
90	OHX	5	3607	7/7	0.99	0.23	40,40,40,40	0
90	OHX	5	3608	7/7	0.99	0.41	67,67,67,67	0
90	OHX	5	3609	7/7	0.99	0.15	57,57,57,57	0

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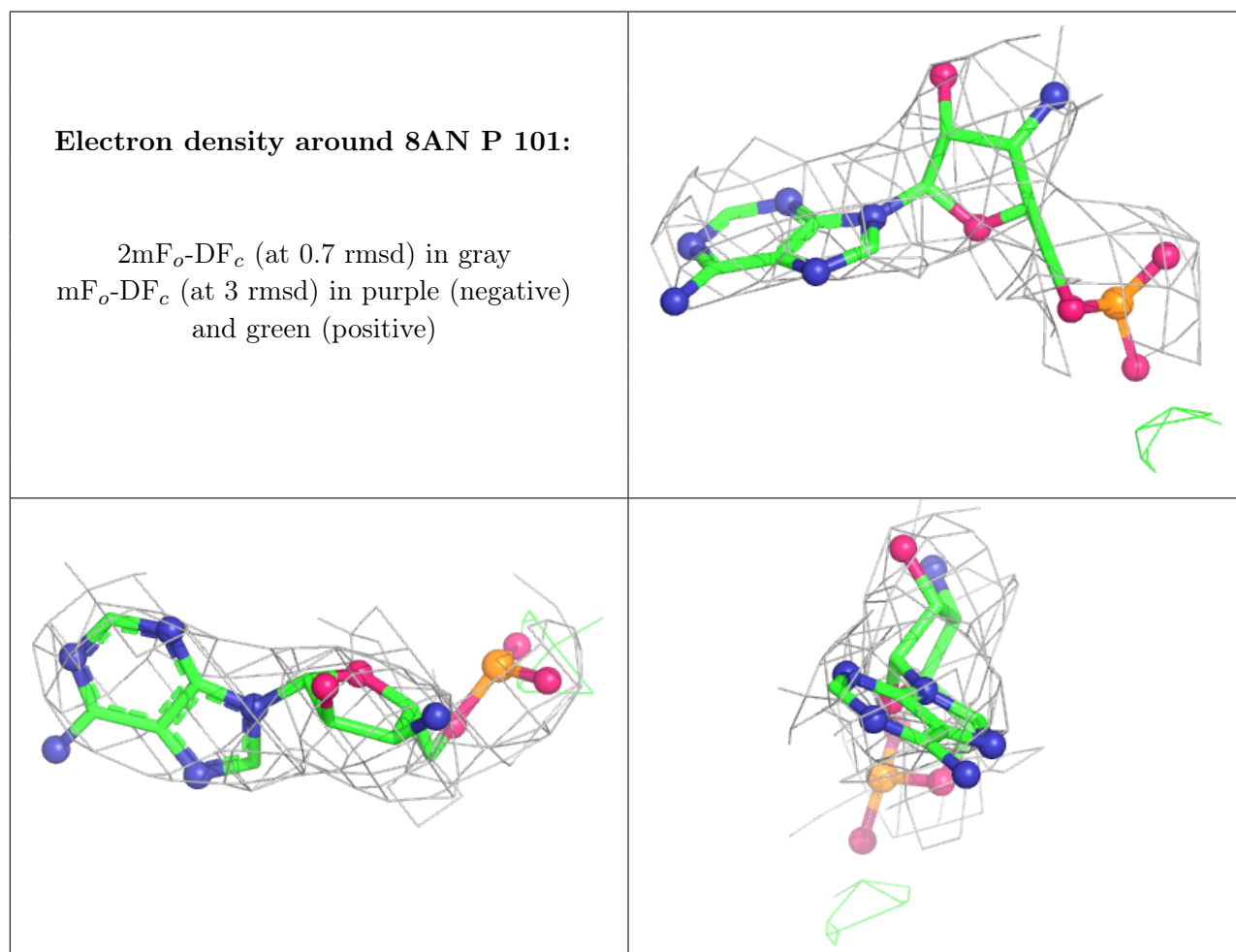
Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
90	OHX	6	1903	7/7	0.99	0.12	61,61,61,61	0
91	MG	1	4112	1/1	0.99	0.25	59,59,59,59	0
90	OHX	5	3459	7/7	0.99	0.10	46,46,46,46	0
90	OHX	6	1904	7/7	0.99	0.08	68,68,68,68	0
90	OHX	1	3436	7/7	0.99	0.10	52,52,52,52	0
91	MG	1	3945	1/1	0.99	0.10	39,39,39,39	0
90	OHX	5	3614	7/7	0.99	0.12	47,47,47,47	0
90	OHX	6	1906	7/7	0.99	0.12	60,60,60,60	0
90	OHX	5	3463	7/7	0.99	0.10	50,50,50,50	0
90	OHX	5	3464	7/7	0.99	0.06	57,57,57,57	0
90	OHX	5	3465	7/7	0.99	0.08	56,56,56,56	0
90	OHX	5	3466	7/7	0.99	0.14	45,45,45,45	0
90	OHX	1	3437	7/7	0.99	0.06	47,47,47,47	0
90	OHX	6	1908	7/7	0.99	0.12	65,65,65,65	0
90	OHX	6	1909	7/7	0.99	0.08	91,91,91,91	0
92	ZN	O7	103	1/1	0.99	0.06	39,39,39,39	0
92	ZN	Q0	500	1/1	0.99	0.11	47,47,47,47	0
92	ZN	Q2	501	1/1	0.99	0.05	51,51,51,51	0
92	ZN	Q3	501	1/1	0.99	0.06	55,55,55,55	0
92	ZN	d6	101	1/1	0.99	0.07	67,67,67,67	0
90	OHX	6	1910	7/7	0.99	0.12	62,62,62,62	0
90	OHX	m0	303	7/7	0.99	0.29	49,49,49,49	0
90	OHX	6	1911	7/7	0.99	0.08	57,57,57,57	0
92	ZN	o7	501	1/1	0.99	0.09	41,41,41,41	0
90	OHX	m5	301	7/7	0.99	0.11	48,48,48,48	0
90	OHX	m5	302	7/7	0.99	0.18	66,66,66,66	0
90	OHX	6	1912	7/7	0.99	0.10	74,74,74,74	0
90	OHX	6	1913	7/7	0.99	0.08	80,80,80,80	0
90	OHX	1	3438	7/7	0.99	0.12	56,56,56,56	0
90	OHX	n9	101	7/7	0.99	0.07	41,41,41,41	0
90	OHX	6	1915	7/7	0.99	0.08	62,62,62,62	0
90	OHX	o7	502	7/7	0.99	0.14	54,54,54,54	0
91	MG	6	2179	1/1	0.99	0.12	93,93,93,93	0
90	OHX	6	1916	7/7	0.99	0.07	70,70,70,70	0
90	OHX	1	3419	7/7	1.00	0.06	38,38,38,38	0
90	OHX	5	3418	7/7	1.00	0.11	40,40,40,40	0
90	OHX	5	3430	7/7	1.00	0.07	53,53,53,53	0
90	OHX	1	3403	7/7	1.00	0.14	37,37,37,37	0
90	OHX	1	3416	7/7	1.00	0.07	38,38,38,38	0
91	MG	5	4091	1/1	1.00	0.14	32,32,32,32	0
90	OHX	5	3433	7/7	1.00	0.05	39,39,39,39	0
92	ZN	q0	500	1/1	1.00	0.14	37,37,37,37	0

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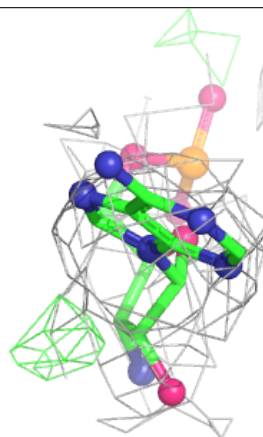
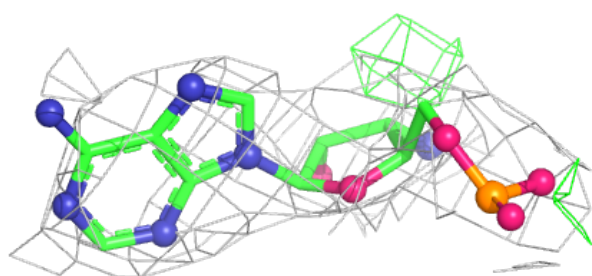
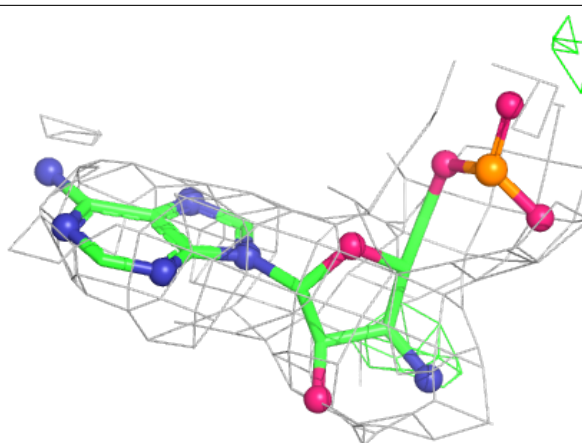
Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
90	OHX	1	3407	7/7	1.00	0.10	41,41,41,41	0
91	MG	5	4094	1/1	1.00	0.11	32,32,32,32	0
90	OHX	5	3412	7/7	1.00	0.10	33,33,33,33	0
90	OHX	1	3428	7/7	1.00	0.07	47,47,47,47	0
90	OHX	5	3414	7/7	1.00	0.10	42,42,42,42	0
90	OHX	5	3425	7/7	1.00	0.06	52,52,52,52	0
90	OHX	5	3491	7/7	1.00	0.07	46,46,46,46	0
90	OHX	1	3414	7/7	1.00	0.07	47,47,47,47	0
90	OHX	5	3407	7/7	1.00	0.20	44,44,44,44	0
91	MG	5	4150	1/1	1.00	0.11	37,37,37,37	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.

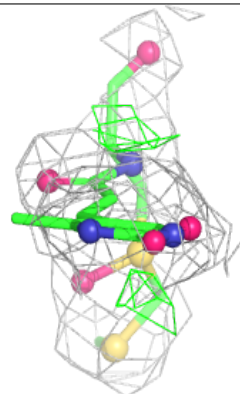
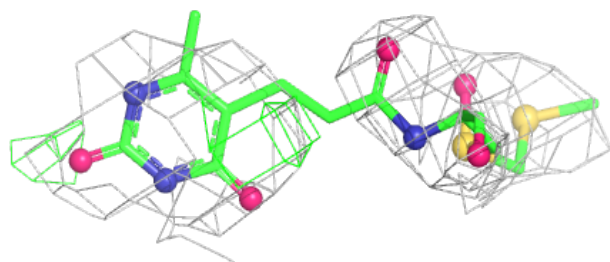
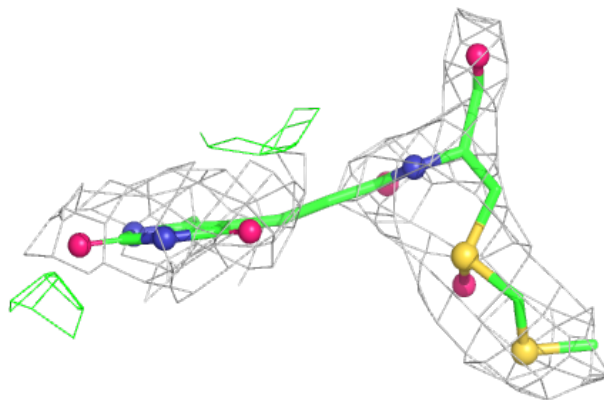


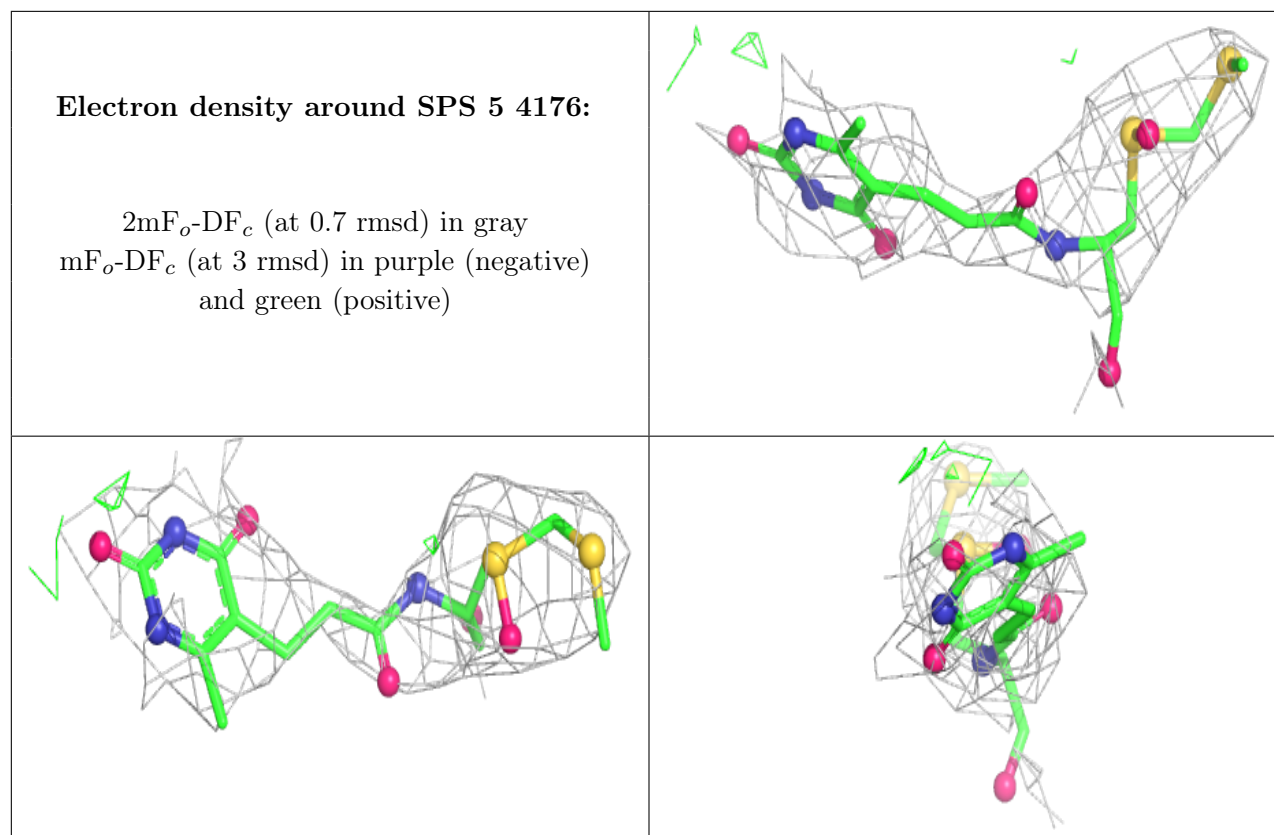
Electron density around 8AN p 101:

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

**Electron density around SPS 1 4125:**

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





6.5 Other polymers [i](#)

There are no such residues in this entry.