



wwPDB X-ray Structure Validation Summary Report ⓘ

Dec 11, 2025 – 04:03 am GMT

PDB ID : 4U3N / pdb_00004u3n
Title : Crystal structure of CCA trinucleotide bound to the yeast 80S ribosome
Authors : Garreau de Loubresse, N.; Prokhorova, I.; Yusupova, G.; Yusupov, M.
Deposited on : 2014-07-22
Resolution : 3.20 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	:	4-5-2 with Phenix2.0
Mogul	:	1.8.4, CSD as541be (2020)
Xtriage (Phenix)	:	2.0
EDS	:	3.0
Percentile statistics	:	20231227.v01 (using entries in the PDB archive December 27th 2023)
CCP4	:	9.0.010 (Gargrove)
Density-Fitness	:	1.0.12
Ideal geometry (proteins)	:	Engh & Huber (2001)
Ideal geometry (DNA, RNA)	:	Parkinson et al. (1996)
Validation Pipeline (wwPDB-VP)	:	2.47

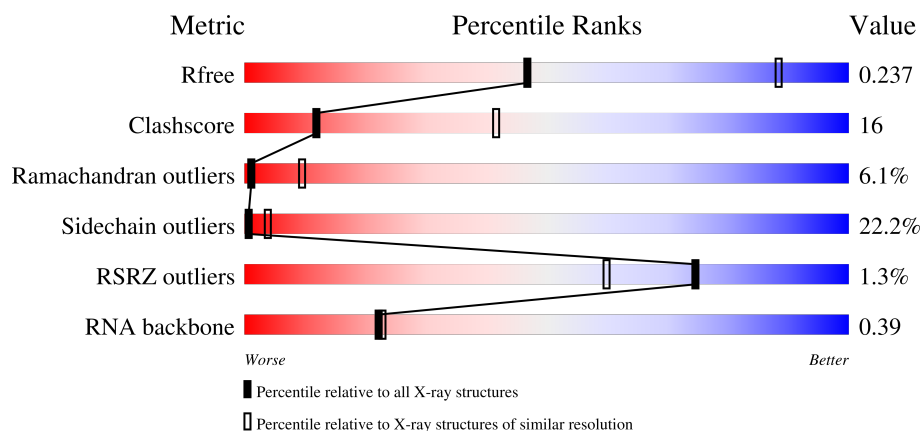
1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

X-RAY DIFFRACTION

The reported resolution of this entry is 3.20 Å.

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



Metric	Whole archive (#Entries)	Similar resolution (#Entries, resolution range(Å))
R_{free}	164625	1370 (3.20-3.20)
Clashscore	180529	1497 (3.20-3.20)
Ramachandran outliers	177936	1479 (3.20-3.20)
Sidechain outliers	177891	1478 (3.20-3.20)
RSRZ outliers	164620	1371 (3.20-3.20)
RNA backbone	3690	1111 (3.50-2.90)

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	1800	2% 38% 43% 17%
1	6	1800	42% 42% 16%
2	S0	251	2% 33% 37% 8% 5% 18%
2	s0	251	32% 36% 12% 18%

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Mol	Chain	Length	Quality of chain
3	S1	254	
3	s1	254	
4	S2	253	
4	s2	253	
5	S3	239	
5	s3	239	
6	S4	260	
6	s4	260	
7	S5	224	
7	s5	224	
8	S6	236	
8	s6	236	
9	S7	189	
9	s7	189	
10	S8	200	
10	s8	200	
11	S9	196	
11	s9	196	
12	C0	105	
13	C1	155	
13	c1	155	
14	C2	142	
14	c2	142	
15	C3	150	
15	c3	150	

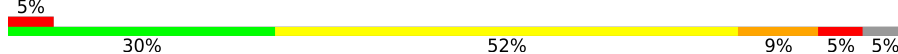
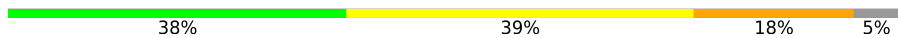
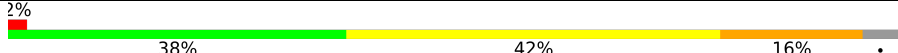
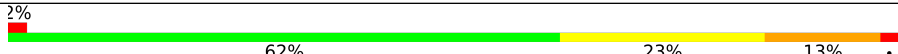
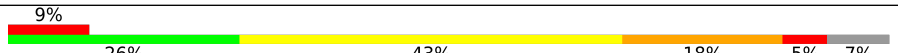
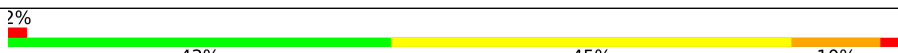
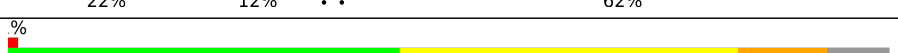
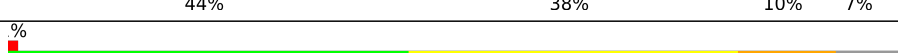
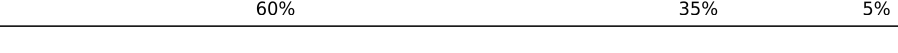
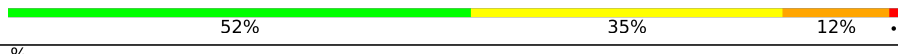
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Mol	Chain	Length	Quality of chain
16	C4	136	
16	c4	136	
17	C5	141	
17	c5	141	
18	C6	142	
18	c6	142	
19	C7	136	
19	c7	136	
20	C8	145	
20	c8	145	
21	C9	143	
21	c9	143	
22	D0	120	
22	d0	120	
23	D1	87	
23	d1	87	
24	D2	129	
24	d2	129	
25	D3	144	
25	d3	144	
26	D4	134	
26	d4	134	
27	D5	107	
27	d5	107	
28	D6	97	

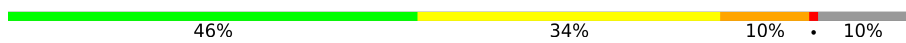
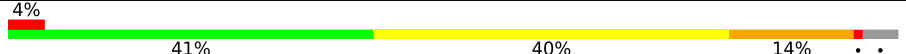
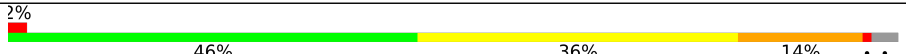
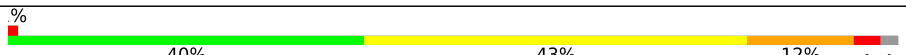
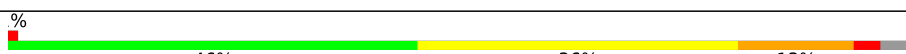
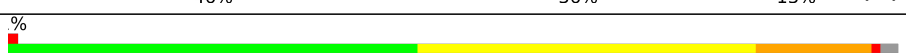
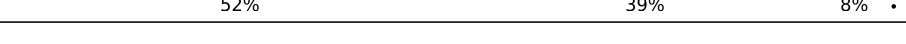
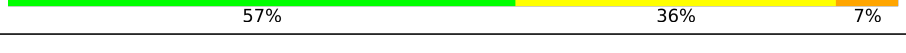
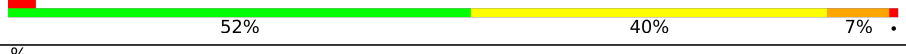
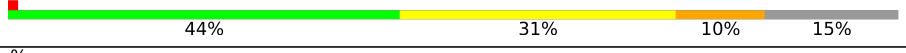
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Mol	Chain	Length	Quality of chain
28	d6	97	
29	D7	81	
29	d7	81	
30	D8	66	
30	d8	66	
31	D9	55	
31	d9	55	
32	E0	60	
33	E1	76	
34	SR	318	
34	sR	318	
35	SM	273	
35	sM	273	
36	1	3396	
36	5	3396	
37	3	121	
37	7	121	
38	4	158	
38	8	158	
39	L2	253	
39	l2	253	
40	L3	386	
40	l3	386	
41	L4	361	
41	l4	361	

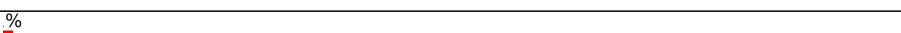
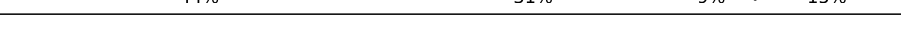
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Mol	Chain	Length	Quality of chain
42	L5	296	
42	l5	296	
43	L6	175	
43	l6	175	
44	L7	243	
44	l7	243	
45	L8	255	
45	l8	255	
46	L9	191	
46	l9	191	
47	M0	220	
47	m0	220	
48	M1	173	
48	m1	173	
49	M3	198	
49	m3	198	
50	M4	137	
50	m4	137	
51	M5	203	
51	m5	203	
52	M6	198	
52	m6	198	
53	M7	183	
53	m7	183	
54	M8	185	

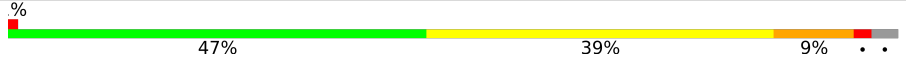
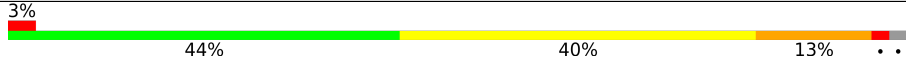
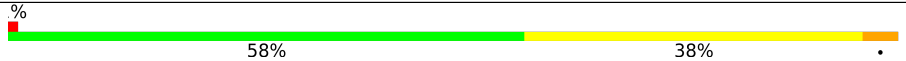
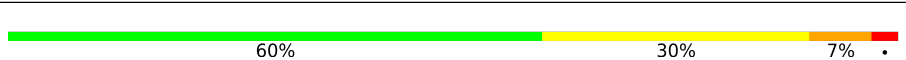
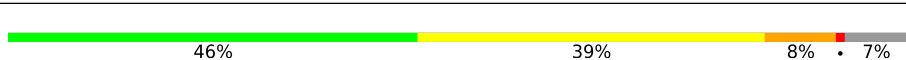
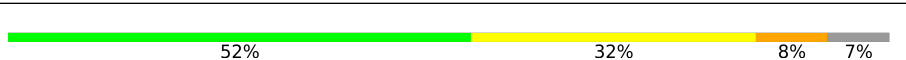
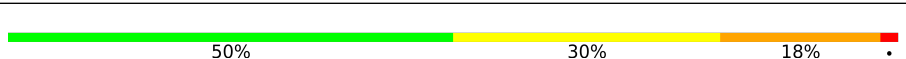
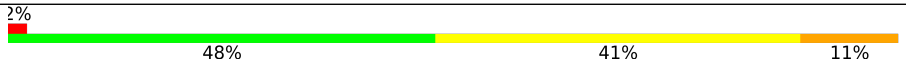
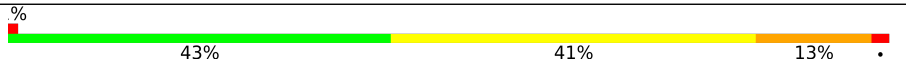
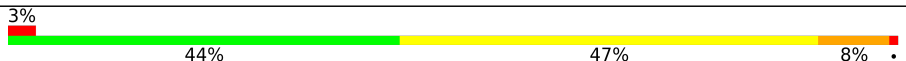
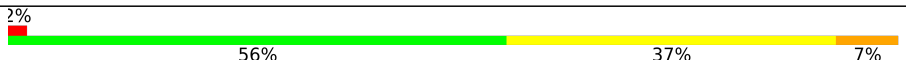
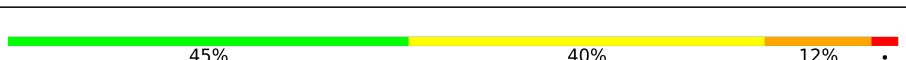
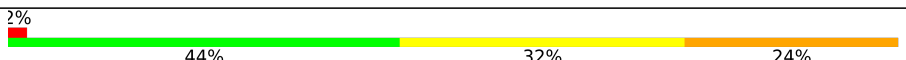
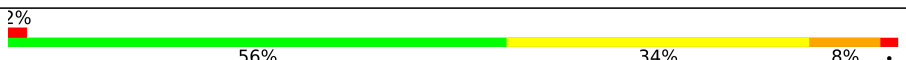
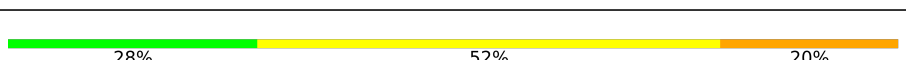
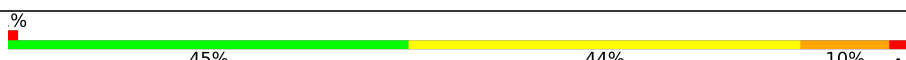
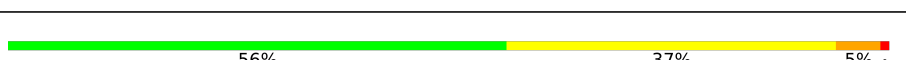
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Mol	Chain	Length	Quality of chain
54	m8	185	 56% 37% 6% .
55	M9	188	 56% 34% 10%
55	m9	188	 54% 36% 9% .
56	N0	172	 49% 41% 8% .
56	n0	172	 52% 37% 10%
57	N1	159	 55% 32% 13% .
57	n1	159	 52% 36% 11% .
58	N2	120	 41% 28% 13% . 17%
58	n2	120	 41% 31% 9% . 18%
59	N3	136	 57% 37% 7%
59	n3	136	 58% 38% . .
60	N4	155	 6% 42% 17% . . 37%
60	n4	155	 2% 50% 30% 6% . 13%
61	N5	141	 43% 34% 9% 14%
61	n5	141	 44% 31% 9% . 15%
62	N6	126	 53% 28% 17% .
62	n6	126	 2% 47% 35% 17% .
63	N7	135	 37% 47% 16%
63	n7	135	 40% 44% 13% .
64	N8	148	 53% 32% 13% .
64	n8	148	 51% 41% 6% .
65	N9	58	 2% 66% 21% 12% .
65	n9	58	 5% 55% 36% 5% .
66	O0	104	 47% 29% 17% 7%
66	o0	104	 46% 40% 10% .

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Mol	Chain	Length	Quality of chain
67	O1	112	
67	o1	112	
68	O2	129	
68	o2	129	
69	O3	106	
69	o3	106	
70	O4	120	
70	o4	120	
71	O5	119	
71	o5	119	
72	O6	99	
72	o6	99	
73	O7	87	
73	o7	87	
74	O8	77	
74	o8	77	
75	O9	50	
75	o9	50	
76	Q0	52	
76	q0	52	
77	Q1	25	
77	q1	25	
78	Q2	105	
78	q2	105	
79	Q3	91	

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Mol	Chain	Length	Quality of chain
79	q3	91	
80	c0	105	
81	e0	62	
82	e1	76	
83	m2	160	
84	p0	311	
85	p1	47	
86	p2	46	
87	A	3	
87	B	3	

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
88	MG	1	3674	-	-	-	X
88	MG	6	1920	-	-	-	X
89	OHX	1	3982	-	-	X	-
89	OHX	1	4015	-	-	X	-
89	OHX	1	4170	-	-	X	-
89	OHX	1	4186	-	-	X	-
89	OHX	2	2044	-	-	X	-
89	OHX	2	2099	-	-	X	-
89	OHX	5	3980	-	-	X	-
89	OHX	5	4013	-	-	X	-
89	OHX	5	4022	-	-	X	-
89	OHX	5	4202	-	-	X	-
89	OHX	5	4204	-	-	X	-
89	OHX	5	4221	-	-	X	-
89	OHX	5	4247	-	-	X	-
89	OHX	6	2105	-	-	X	-
89	OHX	6	2143	-	-	X	-
89	OHX	8	219	-	-	X	-
89	OHX	8	226	-	-	X	-

2 Entry composition

There are 90 unique types of molecules in this entry. The entry contains 411288 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
1	2	1750	Total	C	N	O	P	0	0	0
			37283	16668	6591	12274	1750			
1	6	1795	Total	C	N	O	P	0	0	0
			38238	17095	6758	12590	1795			

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

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

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

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

- 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				
9	s7	186	Total	C	N	O		0	0	0
			1491	957	267	267				

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

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

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

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

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

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
12	C0	96	Total	C	N	O	S	0	0	0
			773	500	126	145	2			

There is a discrepancy between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
C0	89	ALA	GLY	conflict	UNP Q08745

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
13	C1	155	Total	C	N	O	S	0	0	0
			1214	775	230	206	3			
13	c1	146	Total	C	N	O	S	0	0	0
			1168	747	221	197	3			

There are 2 discrepancies between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
C1	147	ALA	GLY	conflict	UNP P0CX47
c1	147	ALA	GLY	conflict	UNP P0CX47

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
14	C2	124	Total	C	N	O	S	0	0	0
			892	562	156	172	2			

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
14	c2	124	Total	C	N	O	S	0	0	0
			892	562	156	172	2			

There are 4 discrepancies between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
C2	104	ALA	GLY	conflict	UNP P48589
C2	110	ALA	GLY	conflict	UNP P48589
c2	104	ALA	GLY	conflict	UNP P48589
c2	110	ALA	GLY	conflict	UNP P48589

- 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-A.

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-A.

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			
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			

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
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			

- Molecule 33 is a protein called Ubiquitin-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			

- 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
			2441	1544	419	470	8			
34	sR	318	Total	C	N	O	S	0	0	0
			2442	1544	418	472	8			

- Molecule 35 is a protein called Suppressor protein STM1.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
35	SM	159	Total	C	N	O	0	0	0
			1104	652	221	231			
35	sM	104	Total	C	N	O	0	0	0
			680	403	140	137			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
36	1	3149	Total	C	N	O	P	0	0	0
			67355	30086	12142	21978	3149			
36	5	3150	Total	C	N	O	P	0	0	0
			67376	30095	12145	21987	3149			

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

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

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

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

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

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

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

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

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

- 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	l4	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	l5	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	l6	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	l7	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			
45	l8	231	Total	C	N	O	S	0	0	0
			1763	1130	316	314	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	l9	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
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
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
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
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
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		0	0	0
			1420	882	281	257				
53	m7	155	Total	C	N	O		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		0	0	0
			1521	935	326	260				
55	m9	188	Total	C	N	O		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			

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
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			
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	S	0	0	0
			796	516	131	149				
58	n2	98	Total	C	N	O	S	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			
60	n4	135	Total	C	N	O	S	0	0	0
			1038	651	206	180	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			
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 Large ribosomal subunit protein eL34A.

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			

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
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	S	0	0	0
			612	391	115	106				
74	o8	77	Total	C	N	O	S	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 Ubiquitin-60S ribosomal protein L40.

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 protein called 40S ribosomal protein S10-A.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
80	c0	96	Total	C	N	O	S	0	0	0
			762	491	125	144	2			

There are 2 discrepancies between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
c0	89	ALA	GLY	conflict	UNP Q08745
c0	98	SER	THR	conflict	UNP Q08745

- Molecule 81 is a protein called 40S ribosomal protein S30-A.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
81	e0	62	Total	C	N	O	S	0	0	0
			491	309	101	80	1			

- Molecule 82 is a protein called Ubiquitin-40S ribosomal protein S31.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
82	e1	76	Total	C	N	O	S	0	0	0
			608	388	117	99	4			

There is a discrepancy between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
e1	77	ALA	GLY	conflict	UNP P05759

- Molecule 83 is a protein called UNKNOWN PROTEIN m2.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
83	m2	150	Total	C	N	O	0	0	0
			750	450	150	150			

- Molecule 84 is a protein called Large ribosomal subunit protein uL10.

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

There is a discrepancy between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
p0	286	ALA	GLY	conflict	UNP P05317

- Molecule 85 is a protein called UNKNOWN PROTEIN p1.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
85	p1	47	Total	C	N	O	0	0	0
			235	141	47	47			

- Molecule 86 is a protein called UNKNOWN PROTEIN p2.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
86	p2	46	Total	C	N	O	0	0	0
			230	138	46	46			

- Molecule 87 is a RNA chain called CCA trinucleotide.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
87	A	3	Total	C	N	O	P	0	0	0
			62	28	11	20	3			
87	B	3	Total	C	N	O	P	0	0	0
			62	28	11	20	3			

- Molecule 88 is MAGNESIUM ION (CCD ID: MG) (formula: Mg).

Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
88	2	123	Total Mg 123 123	0	0
88	S4	2	Total Mg 2 2	0	0
88	S6	1	Total Mg 1 1	0	0
88	S8	1	Total Mg 1 1	0	0
88	C8	1	Total Mg 1 1	0	0
88	1	472	Total Mg 472 472	0	0
88	3	14	Total Mg 14 14	0	0
88	4	19	Total Mg 19 19	0	0
88	L2	2	Total Mg 2 2	0	0
88	L3	4	Total Mg 4 4	0	0
88	L4	1	Total Mg 1 1	0	0
88	L5	1	Total Mg 1 1	0	0
88	L7	4	Total Mg 4 4	0	0
88	L8	1	Total Mg 1 1	0	0
88	M0	2	Total Mg 2 2	0	0
88	M1	1	Total Mg 1 1	0	0
88	M3	2	Total Mg 2 2	0	0
88	M5	4	Total Mg 4 4	0	0
88	M6	1	Total Mg 1 1	0	0
88	M7	5	Total Mg 5 5	0	0
88	M9	2	Total Mg 2 2	0	0
88	N0	1	Total Mg 1 1	0	0

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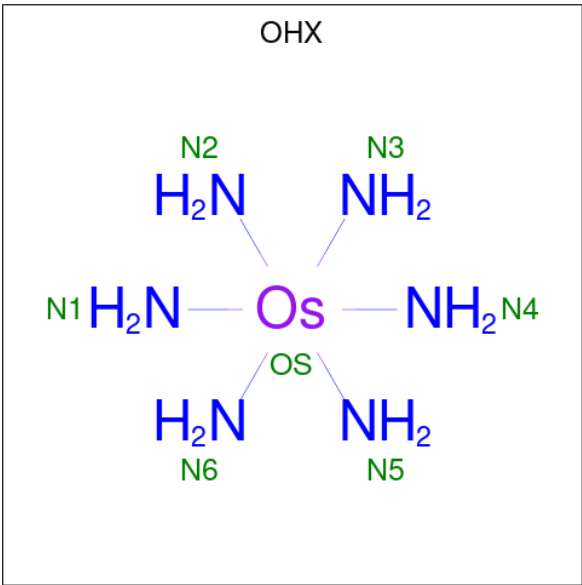
Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
88	N3	3	Total 3	Mg 3	0	0
88	N5	1	Total 1	Mg 1	0	0
88	N8	5	Total 5	Mg 5	0	0
88	O2	1	Total 1	Mg 1	0	0
88	O4	1	Total 1	Mg 1	0	0
88	O5	1	Total 1	Mg 1	0	0
88	O7	1	Total 1	Mg 1	0	0
88	6	145	Total 145	Mg 145	0	0
88	s1	1	Total 1	Mg 1	0	0
88	s4	1	Total 1	Mg 1	0	0
88	s8	2	Total 2	Mg 2	0	0
88	c1	1	Total 1	Mg 1	0	0
88	c7	2	Total 2	Mg 2	0	0
88	c8	1	Total 1	Mg 1	0	0
88	c9	1	Total 1	Mg 1	0	0
88	d3	1	Total 1	Mg 1	0	0
88	d4	1	Total 1	Mg 1	0	0
88	d6	1	Total 1	Mg 1	0	0
88	sM	1	Total 1	Mg 1	0	0
88	5	503	Total 503	Mg 503	0	0
88	7	14	Total 14	Mg 14	0	0

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
88	8	17	Total 17	Mg 17	0	0
88	l2	1	Total 1	Mg 1	0	0
88	l3	4	Total 4	Mg 4	0	0
88	l4	2	Total 2	Mg 2	0	0
88	l5	2	Total 2	Mg 2	0	0
88	l7	2	Total 2	Mg 2	0	0
88	m1	1	Total 1	Mg 1	0	0
88	m5	4	Total 4	Mg 4	0	0
88	m6	2	Total 2	Mg 2	0	0
88	m7	5	Total 5	Mg 5	0	0
88	n0	2	Total 2	Mg 2	0	0
88	n3	2	Total 2	Mg 2	0	0
88	n6	2	Total 2	Mg 2	0	0
88	n8	3	Total 3	Mg 3	0	0
88	o1	1	Total 1	Mg 1	0	0
88	o3	1	Total 1	Mg 1	0	0
88	o4	1	Total 1	Mg 1	0	0
88	q0	1	Total 1	Mg 1	0	0
88	q1	1	Total 1	Mg 1	0	0
88	q3	2	Total 2	Mg 2	0	0

- Molecule 89 is osmium (III) hexammine (CCD ID: OHX) (formula: $\text{H}_{12}\text{N}_6\text{Os}$).



Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
89	2	1	Total	N	Os	0	0
			7	6	1		
89	2	1	Total	N	Os	0	0
			7	6	1		
89	2	1	Total	N	Os	0	0
			7	6	1		
89	2	1	Total	N	Os	0	0
			7	6	1		
89	2	1	Total	N	Os	0	0
			7	6	1		
89	2	1	Total	N	Os	0	0
			7	6	1		
89	2	1	Total	N	Os	0	0
			7	6	1		
89	2	1	Total	N	Os	0	0
			7	6	1		
89	2	1	Total	N	Os	0	0
			7	6	1		
89	2	1	Total	N	Os	0	0
			7	6	1		
89	2	1	Total	N	Os	0	0
			7	6	1		

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
89	2	1	Total	N	Os	0	0
			7	6	1		
89	2	1	Total	N	Os	0	0
			7	6	1		
89	2	1	Total	N	Os	0	0
			7	6	1		
89	2	1	Total	N	Os	0	0
			7	6	1		
89	2	1	Total	N	Os	0	0
			7	6	1		
89	2	1	Total	N	Os	0	0
			7	6	1		
89	2	1	Total	N	Os	0	0
			7	6	1		
89	2	1	Total	N	Os	0	0
			7	6	1		
89	2	1	Total	N	Os	0	0
			7	6	1		
89	2	1	Total	N	Os	0	0
			7	6	1		
89	2	1	Total	N	Os	0	0
			7	6	1		
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			7	6	1		
89	2	1	Total	N	Os	0	0
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89	2	1	Total	N	Os	0	0
			7	6	1		
89	2	1	Total	N	Os	0	0
			7	6	1		
89	2	1	Total	N	Os	0	0
			7	6	1		
89	2	1	Total	N	Os	0	0
			7	6	1		

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
89	2	1	Total	N	Os	0	0
			7	6	1		
89	2	1	Total	N	Os	0	0
			7	6	1		
89	2	1	Total	N	Os	0	0
			7	6	1		
89	2	1	Total	N	Os	0	0
			7	6	1		
89	2	1	Total	N	Os	0	0
			7	6	1		
89	2	1	Total	N	Os	0	0
			7	6	1		
89	2	1	Total	N	Os	0	0
			7	6	1		
89	2	1	Total	N	Os	0	0
			7	6	1		
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			7	6	1		
89	2	1	Total	N	Os	0	0
			7	6	1		
89	2	1	Total	N	Os	0	0
			7	6	1		
89	2	1	Total	N	Os	0	0
			7	6	1		
89	2	1	Total	N	Os	0	0
			7	6	1		
89	2	1	Total	N	Os	0	0
			7	6	1		
89	2	1	Total	N	Os	0	0
			7	6	1		
89	2	1	Total	N	Os	0	0
			7	6	1		
89	2	1	Total	N	Os	0	0
			7	6	1		
89	2	1	Total	N	Os	0	0
			7	6	1		

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
89	2	1	Total	N	Os	0	0
			7	6	1		
89	2	1	Total	N	Os	0	0
			7	6	1		
89	2	1	Total	N	Os	0	0
			7	6	1		
89	2	1	Total	N	Os	0	0
			7	6	1		
89	2	1	Total	N	Os	0	0
			7	6	1		
89	2	1	Total	N	Os	0	0
			7	6	1		
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			7	6	1		
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			7	6	1		
89	2	1	Total	N	Os	0	0
			7	6	1		
89	2	1	Total	N	Os	0	0
			7	6	1		
89	2	1	Total	N	Os	0	0
			7	6	1		
89	2	1	Total	N	Os	0	0
			7	6	1		
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			7	6	1		
89	2	1	Total	N	Os	0	0
			7	6	1		
89	2	1	Total	N	Os	0	0
			7	6	1		

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
89	2	1	Total	N	Os	0	0
			7	6	1		
89	2	1	Total	N	Os	0	0
			7	6	1		
89	2	1	Total	N	Os	0	0
			7	6	1		
89	2	1	Total	N	Os	0	0
			7	6	1		
89	2	1	Total	N	Os	0	0
			7	6	1		
89	2	1	Total	N	Os	0	0
			7	6	1		
89	2	1	Total	N	Os	0	0
			7	6	1		
89	2	1	Total	N	Os	0	0
			7	6	1		
89	2	1	Total	N	Os	0	0
			7	6	1		
89	2	1	Total	N	Os	0	0
			7	6	1		
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			7	6	1		
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			7	6	1		
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			7	6	1		
89	2	1	Total	N	Os	0	0
			7	6	1		
89	2	1	Total	N	Os	0	0
			7	6	1		
89	2	1	Total	N	Os	0	0
			7	6	1		
89	2	1	Total	N	Os	0	0
			7	6	1		

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
89	2	1	Total	N	Os	0	0
			7	6	1		
89	2	1	Total	N	Os	0	0
			7	6	1		
89	2	1	Total	N	Os	0	0
			7	6	1		
89	2	1	Total	N	Os	0	0
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89	2	1	Total	N	Os	0	0
			7	6	1		
89	2	1	Total	N	Os	0	0
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89	2	1	Total	N	Os	0	0
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			7	6	1		
89	2	1	Total	N	Os	0	0
			7	6	1		
89	2	1	Total	N	Os	0	0
			7	6	1		

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
89	2	1	Total	N	Os	0	0
			7	6	1		
89	2	1	Total	N	Os	0	0
			7	6	1		
89	2	1	Total	N	Os	0	0
			7	6	1		
89	2	1	Total	N	Os	0	0
			7	6	1		
89	2	1	Total	N	Os	0	0
			7	6	1		
89	2	1	Total	N	Os	0	0
			7	6	1		
89	2	1	Total	N	Os	0	0
			7	6	1		
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			7	6	1		
89	2	1	Total	N	Os	0	0
			7	6	1		
89	2	1	Total	N	Os	0	0
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89	2	1	Total	N	Os	0	0
			7	6	1		
89	2	1	Total	N	Os	0	0
			7	6	1		
89	2	1	Total	N	Os	0	0
			7	6	1		

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
89	2	1	Total	N	Os	0	0
			7	6	1		
89	2	1	Total	N	Os	0	0
			7	6	1		
89	2	1	Total	N	Os	0	0
			7	6	1		
89	2	1	Total	N	Os	0	0
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89	2	1	Total	N	Os	0	0
			7	6	1		
89	2	1	Total	N	Os	0	0
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89	2	1	Total	N	Os	0	0
			7	6	1		
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			7	6	1		
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89	2	1	Total	N	Os	0	0
			7	6	1		
89	2	1	Total	N	Os	0	0
			7	6	1		
89	2	1	Total	N	Os	0	0
			7	6	1		
89	S8	1	Total	N	Os	0	0
			7	6	1		
89	C3	1	Total	N	Os	0	0
			7	6	1		
89	C5	1	Total	N	Os	0	0
			7	6	1		

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
89	C8	1	Total	N	Os	0	0
			7	6	1		
89	D3	1	Total	N	Os	0	0
			7	6	1		
89	D9	1	Total	N	Os	0	0
			7	6	1		
89	SR	1	Total	N	Os	0	0
			7	6	1		
89	1	1	Total	N	Os	0	0
			7	6	1		
89	1	1	Total	N	Os	0	0
			7	6	1		
89	1	1	Total	N	Os	0	0
			7	6	1		
89	1	1	Total	N	Os	0	0
			7	6	1		
89	1	1	Total	N	Os	0	0
			7	6	1		
89	1	1	Total	N	Os	0	0
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89	1	1	Total	N	Os	0	0
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89	1	1	Total	N	Os	0	0
			7	6	1		
89	1	1	Total	N	Os	0	0
			7	6	1		
89	1	1	Total	N	Os	0	0
			7	6	1		
89	1	1	Total	N	Os	0	0
			7	6	1		

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
89	1	1	Total	N	Os	0	0
			7	6	1		
89	1	1	Total	N	Os	0	0
			7	6	1		
89	1	1	Total	N	Os	0	0
			7	6	1		
89	1	1	Total	N	Os	0	0
			7	6	1		
89	1	1	Total	N	Os	0	0
			7	6	1		
89	1	1	Total	N	Os	0	0
			7	6	1		
89	1	1	Total	N	Os	0	0
			7	6	1		
89	1	1	Total	N	Os	0	0
			7	6	1		
89	1	1	Total	N	Os	0	0
			7	6	1		
89	1	1	Total	N	Os	0	0
			7	6	1		
89	1	1	Total	N	Os	0	0
			7	6	1		
89	1	1	Total	N	Os	0	0
			7	6	1		
89	1	1	Total	N	Os	0	0
			7	6	1		
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			7	6	1		
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			7	6	1		
89	1	1	Total	N	Os	0	0
			7	6	1		
89	1	1	Total	N	Os	0	0
			7	6	1		
89	1	1	Total	N	Os	0	0
			7	6	1		

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
89	1	1	Total	N	Os	0	0
			7	6	1		
89	1	1	Total	N	Os	0	0
			7	6	1		
89	1	1	Total	N	Os	0	0
			7	6	1		
89	1	1	Total	N	Os	0	0
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89	1	1	Total	N	Os	0	0
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89	1	1	Total	N	Os	0	0
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89	1	1	Total	N	Os	0	0
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89	1	1	Total	N	Os	0	0
			7	6	1		
89	1	1	Total	N	Os	0	0
			7	6	1		
89	1	1	Total	N	Os	0	0
			7	6	1		
89	1	1	Total	N	Os	0	0
			7	6	1		
89	1	1	Total	N	Os	0	0
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89	1	1	Total	N	Os	0	0
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89	1	1	Total	N	Os	0	0
			7	6	1		
89	1	1	Total	N	Os	0	0
			7	6	1		
89	1	1	Total	N	Os	0	0
			7	6	1		
89	1	1	Total	N	Os	0	0
			7	6	1		

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
89	1	1	Total	N	Os	0	0
			7	6	1		
89	1	1	Total	N	Os	0	0
			7	6	1		
89	1	1	Total	N	Os	0	0
			7	6	1		
89	1	1	Total	N	Os	0	0
			7	6	1		
89	1	1	Total	N	Os	0	0
			7	6	1		
89	1	1	Total	N	Os	0	0
			7	6	1		
89	1	1	Total	N	Os	0	0
			7	6	1		
89	1	1	Total	N	Os	0	0
			7	6	1		
89	1	1	Total	N	Os	0	0
			7	6	1		
89	1	1	Total	N	Os	0	0
			7	6	1		
89	1	1	Total	N	Os	0	0
			7	6	1		
89	1	1	Total	N	Os	0	0
			7	6	1		
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			7	6	1		
89	1	1	Total	N	Os	0	0
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89	1	1	Total	N	Os	0	0
			7	6	1		
89	1	1	Total	N	Os	0	0
			7	6	1		
89	1	1	Total	N	Os	0	0
			7	6	1		
89	1	1	Total	N	Os	0	0
			7	6	1		

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
89	1	1	Total	N	Os	0	0
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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
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89	1	1	Total	N	Os	0	0
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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
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89	1	1	Total	N	Os	0	0
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89	1	1	Total	N	Os	0	0
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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
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89	1	1	Total	N	Os	0	0
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89	1	1	Total	N	Os	0	0
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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
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89	1	1	Total	N	Os	0	0
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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
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89	1	1	Total	N	Os	0	0
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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
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89	1	1	Total	N	Os	0	0
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89	1	1	Total	N	Os	0	0
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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
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89	1	1	Total	N	Os	0	0
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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
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89	4	1	Total	N	Os	0	0
			7	6	1		
89	4	1	Total	N	Os	0	0
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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
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89	4	1	Total	N	Os	0	0
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89	L3	1	Total	N	Os	0	0
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89	L3	1	Total	N	Os	0	0
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89	L4	1	Total	N	Os	0	0
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89	M5	1	Total	N	Os	0	0
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89	M7	1	Total	N	Os	0	0
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89	M7	1	Total	N	Os	0	0
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89	M8	1	Total	N	Os	0	0
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89	M9	1	Total	N	Os	0	0
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89	N9	1	Total	N	Os	0	0
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89	O3	1	Total	N	Os	0	0
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89	O7	1	Total	N	Os	0	0
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89	O7	1	Total	N	Os	0	0
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89	6	1	Total	N	Os	0	0
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89	6	1	Total	N	Os	0	0
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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
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89	5	1	Total	N	Os	0	0
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89	5	1	Total	N	Os	0	0
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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
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89	5	1	Total	N	Os	0	0
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89	5	1	Total	N	Os	0	0
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89	5	1	Total	N	Os	0	0
			7	6	1		
89	5	1	Total	N	Os	0	0
			7	6	1		

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
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			7	6	1		
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			7	6	1		
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			7	6	1		
89	5	1	Total	N	Os	0	0
			7	6	1		
89	5	1	Total	N	Os	0	0
			7	6	1		

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
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			7	6	1		
89	5	1	Total	N	Os	0	0
			7	6	1		
89	5	1	Total	N	Os	0	0
			7	6	1		
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			7	6	1		
89	5	1	Total	N	Os	0	0
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89	5	1	Total	N	Os	0	0
			7	6	1		

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
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			7	6	1		
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89	5	1	Total	N	Os	0	0
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89	5	1	Total	N	Os	0	0
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89	5	1	Total	N	Os	0	0
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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
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			7	6	1		
89	5	1	Total	N	Os	0	0
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89	5	1	Total	N	Os	0	0
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			7	6	1		
89	5	1	Total	N	Os	0	0
			7	6	1		
89	5	1	Total	N	Os	0	0
			7	6	1		

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
89	5	1	Total	N	Os	0	0
			7	6	1		
89	5	1	Total	N	Os	0	0
			7	6	1		
89	5	1	Total	N	Os	0	0
			7	6	1		
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89	5	1	Total	N	Os	0	0
			7	6	1		
89	5	1	Total	N	Os	0	0
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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
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			7	6	1		
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89	5	1	Total	N	Os	0	0
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89	5	1	Total	N	Os	0	0
			7	6	1		
89	5	1	Total	N	Os	0	0
			7	6	1		
89	5	1	Total	N	Os	0	0
			7	6	1		
89	5	1	Total	N	Os	0	0
			7	6	1		

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
89	5	1	Total	N	Os	0	0
			7	6	1		
89	5	1	Total	N	Os	0	0
			7	6	1		
89	5	1	Total	N	Os	0	0
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89	5	1	Total	N	Os	0	0
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89	5	1	Total	N	Os	0	0
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89	5	1	Total	N	Os	0	0
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89	5	1	Total	N	Os	0	0
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89	5	1	Total	N	Os	0	0
			7	6	1		
89	5	1	Total	N	Os	0	0
			7	6	1		
89	5	1	Total	N	Os	0	0
			7	6	1		

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
89	7	1	Total	N	Os	0	0
			7	6	1		
89	7	1	Total	N	Os	0	0
			7	6	1		
89	7	1	Total	N	Os	0	0
			7	6	1		
89	7	1	Total	N	Os	0	0
			7	6	1		
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			7	6	1		
89	7	1	Total	N	Os	0	0
			7	6	1		
89	7	1	Total	N	Os	0	0
			7	6	1		
89	8	1	Total	N	Os	0	0
			7	6	1		
89	8	1	Total	N	Os	0	0
			7	6	1		
89	8	1	Total	N	Os	0	0
			7	6	1		
89	8	1	Total	N	Os	0	0
			7	6	1		
89	8	1	Total	N	Os	0	0
			7	6	1		
89	8	1	Total	N	Os	0	0
			7	6	1		
89	8	1	Total	N	Os	0	0
			7	6	1		

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
89	8	1	Total	N	Os	0	0
			7	6	1		
89	8	1	Total	N	Os	0	0
			7	6	1		
89	8	1	Total	N	Os	0	0
			7	6	1		
89	8	1	Total	N	Os	0	0
			7	6	1		
89	8	1	Total	N	Os	0	0
			7	6	1		
89	l3	1	Total	N	Os	0	0
			7	6	1		
89	l3	1	Total	N	Os	0	0
			7	6	1		
89	l3	1	Total	N	Os	0	0
			7	6	1		
89	l4	1	Total	N	Os	0	0
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89	l4	1	Total	N	Os	0	0
			7	6	1		
89	l5	1	Total	N	Os	0	0
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89	l5	1	Total	N	Os	0	0
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89	l5	1	Total	N	Os	0	0
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89	l5	1	Total	N	Os	0	0
			7	6	1		
89	l9	1	Total	N	Os	0	0
			7	6	1		
89	m0	1	Total	N	Os	0	0
			7	6	1		
89	m0	1	Total	N	Os	0	0
			7	6	1		
89	m1	1	Total	N	Os	0	0
			7	6	1		
89	m4	1	Total	N	Os	0	0
			7	6	1		
89	m5	1	Total	N	Os	0	0
			7	6	1		
89	m6	1	Total	N	Os	0	0
			7	6	1		

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
89	n3	1	Total	N	Os	0	0
			7	6	1		
89	n3	1	Total	N	Os	0	0
			7	6	1		
89	n9	1	Total	N	Os	0	0
			7	6	1		
89	o3	1	Total	N	Os	0	0
			7	6	1		
89	o7	1	Total	N	Os	0	0
			7	6	1		
89	q2	1	Total	N	Os	0	0
			7	6	1		

- Molecule 90 is ZINC ION (CCD ID: ZN) (formula: Zn).

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

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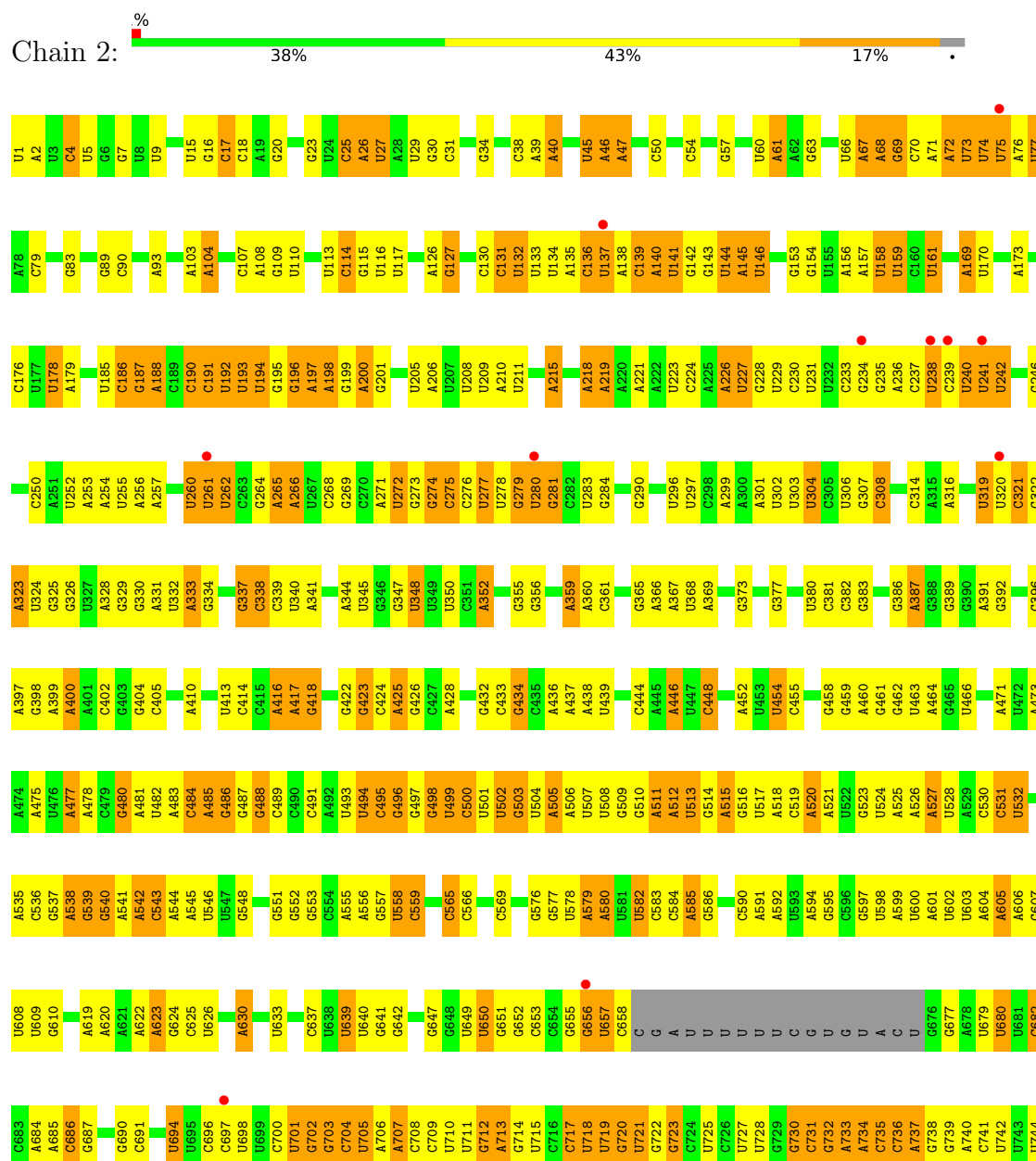
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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
90	q0	1	Total 1	Zn 1	0	0
90	q2	1	Total 1	Zn 1	0	0
90	q3	1	Total 1	Zn 1	0	0

3 Residue-property plots

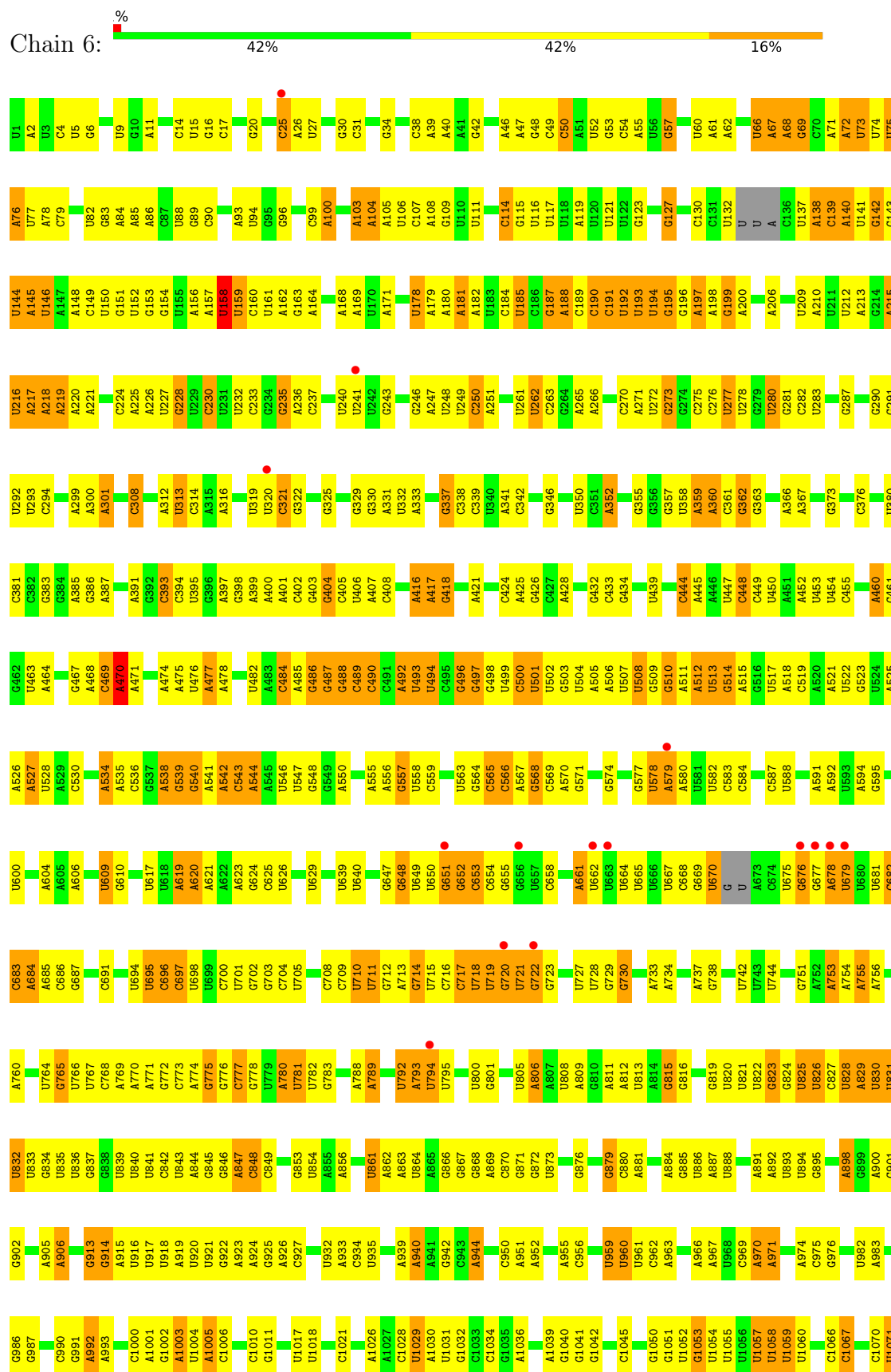
These plots are drawn for all protein, RNA, DNA and oligosaccharide chains in the entry. The first graphic for a chain summarises the proportions of the various outlier classes displayed in the second graphic. The second graphic shows the sequence view annotated by issues in geometry and electron density.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

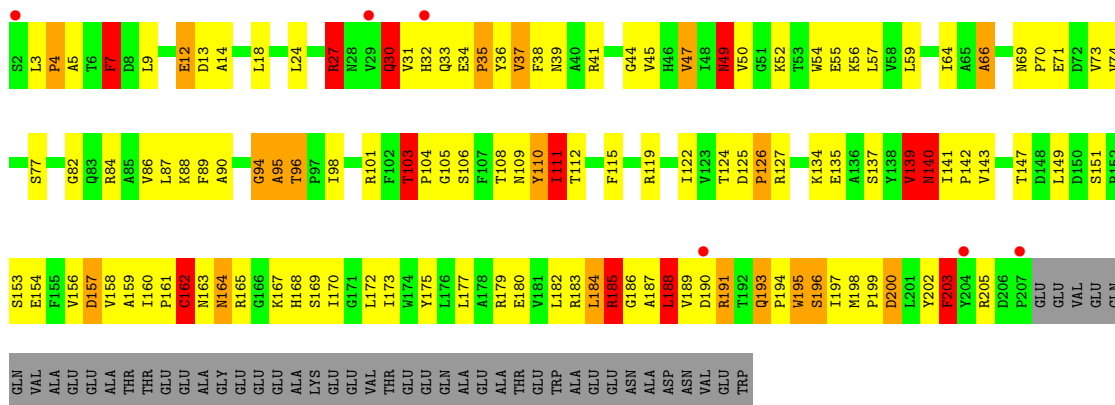
• Molecule 1: 18S ribosomal RNA



A1794	G	A1573	G1506	G1428	U1350	G1263	G1188	G1112	G1040	U968	G885	G819	U748
U1795	C	G1574	G1507	G1429	G1350	G1266	A1189	A1113	G1041	C969	U886	U820	U749
A1796	G	G1575	U1508	U1430	G1354	U1266	U1190	G1114	A1042	A970	A887	U821	U750
U1797	U	A1576	C1509	C1431	C1355	G1267	U1191	U1117	U1044	G972	U888	U822	A751
A		A1577	U1510	U1432	U1356	C1274	A1194	U1118	C1045		A892	G824	A752
		U1578	G1513	U1433	A1357		G1195	G1119	G1046	C975	U893	U826	A753
		U1579	U1514	U1434	G1358	G1277	C1196	G1130	G1047	G976	U894	U827	A754
		C1580	A1515	G1435	C1359		G1197	U1133	U1048	A977	G895	U828	A755
		U1581	U1516	G1436	U1360	G1280	G1198	G1137	U1049	C977	U896	U829	A756
		G1584	A1517	G1445	U1361	G1281	G1199	A1138	U1050	A979	C897	U830	A757
		U1585	U1518	A1446	U1362		G1200	A1139	G1051		U898	U831	U758
		A1586	U1519	U1449	U1363		G1201	A1137	U1052	U982	G901	U832	G763
		U1587	U1520	U1450	U1366	U1285	A1202	A1136	G1053	A983	G902	U833	G764
		G1588	G1521	C1451	U1369	U1286	A1203	U1135	U1054	G984	G903	U834	G765
		U1589	U1522		U1370	A1287	U1206	A1142	U1055		G904	U835	G766
		G1590	G1523	C1456	U1371		C1207	A1143	U1056	G987	A905	U838	G767
		A1591	U1524	U1457	U1372	U1290	U1214	A1144	U1057	A906	A907	U839	G768
		A1592	A1525	G1458	U1373	G1291	U1217	U1145	U1058	U989	A907	U840	A771
		A1593		C1459			A1211	G1146	U1059	C990	U911	U841	A772
		U1594	U1528	U1460	C1376	G1294	U1217	G1149	U1060	A992	U912	U842	A773
		U1595	C1529	C1461	U1377	U1301	U1218	G1150	A1061	A993	G913	U843	A774
		U1596	U1530	G1462	U1378	U1302	U1219	G1151	U1062	G994	G914	U844	A775
		A1597	G1531	G1467	U1380	U1310	A1219	G1152	U1063	A995	A915	G845	G775
		U1600	C1533	U1468	U1381		C1220	A1161	A1065		U917	G846	G776
		G1601	U1534	A1469	G1385	U1314	U1226	G1162	C1066	C1000	U918	G847	G777
		C1602	U1535	C1470		U1315	A1226	A1163	C1067	A1001	U919	C848	G778
		U1603	G1536	A1471	A1388	G1316	G1227	G1164	C1068	A1002	U918	C849	A780
		G1607	C1537	C1472	U1389	G1317	G1228	G1165	A1069	A1003	U917	C850	A781
		U1609	U1538	U1473	U1390	G1318	G1229	C1156	C1070	U1004	A926	U851	U782
		G1610	G1540	C1474	U1391	G1319	U1231	A1157	U1071	A1005	C927	U852	G783
		A1611	U1541	U1476	U1392	A1319	U1231	C1158	C1072	U1006	U928	C853	C784
		U1612	G1542	G1477	C1393	U1320	U1231	C1159	G1073	A929	U854	U855	U785
		U1613	A1543	U1478	G1394	A1321	U1234	A1160	C1074	U1009	A856	U856	A788
		A1614	U1544	A1479	G1395	C1323	C1235	C1162	A1076	A933	U857	U857	A789
		U1615	G1546	G1480	U1396	G1324		A1163		C934	U858	G858	U790
		G1616		C1481	U1397	A1325	U1239	G1164	U1080	U935	U861	U861	A793
		U1617	U1550	C1482	U1398	A1326	U1240	G1165	A1081	G936	U862	U862	U794
		C1618		A1483	C1399		G1241	A1166	G1085	G942	U863	U863	U795
			G1553	G1484	C1400	A1329	U1242	G1167	U1086	C943	U864	U864	A796
		G1622	U1554	C1485	G1401	G1330	G1243	U1168	A1087	A944	G867	U867	G797
		C1623	A1555	A1486	C1403	C1331	G1244	A1171	A1088		C798	C798	C798
		C1624	U1556	A1487	G1404	C1332	G1245	G1172	A1091	C1021	U947	U868	A799
		U1629	U1557	U1488	G1405		G1246	C1173	A1092	G948	U869	U869	U800
		A1630	U1558	U1489	A1410	U1335	U1247	C1174		A1023	C870	C870	G801
		A1631	A1559	U1491	A1411	A1336	U1248	U1175	C1096	A1026	G871	G871	G802
			U1560	A1492	G1412	C1337	U1250	G1176	U1097	A1027	U872	U872	A806
		A1635	U1561	A1493	G1413	C1338	U1251	C1177	U1098	G953	U873	U873	
		G1636	G1562	C1494	U1414	C1339	U1252	G1178	U1099	G954	G876	G876	A811
		C1637	U1563	C1495	U1415	A1341	U1254	C1179	U1099	U1029	G877	G877	A812
		U1638	U1564	G1498	U1416	A1344	U1255	G1180	G1100	U1031	U878	U878	U813
		G1639	C1565	A1417	A1345	A1346	U1256	U1181	G1101	G1032	U881	U881	G815
		U1645	U1566	C1500	G1418	A1346	U1257	A1182	G1102	C1033	U882	U882	G816
		C1646	U1567	C1500	G1418	A1346	U1258	A1183	U1103	C1034	C883	C883	A817
		U1647	U1568	G1504	C1426	A1347	U1259	U1185	U1104	A1039	A966	U884	C818
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● Molecule 1: 18S ribosomal RNA





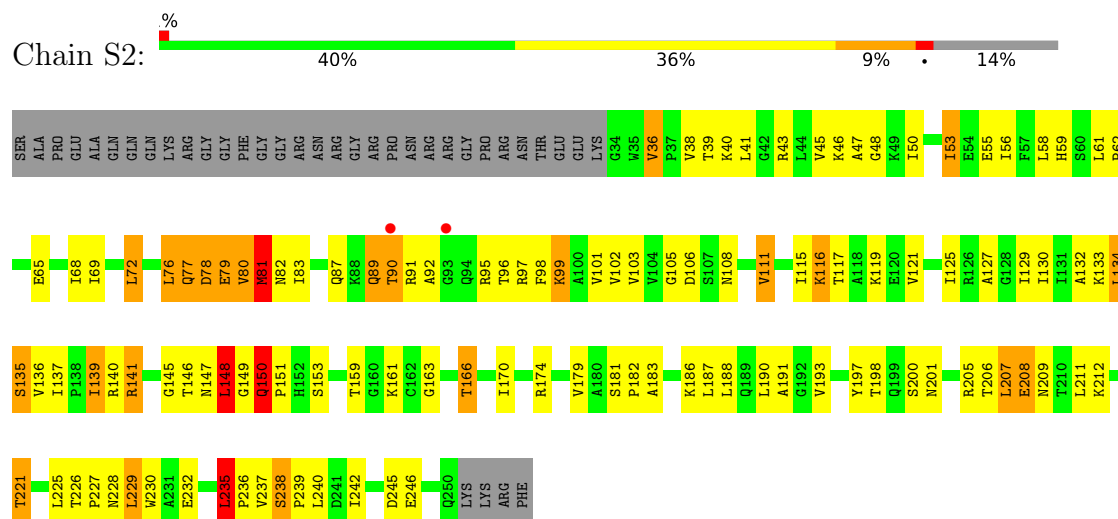
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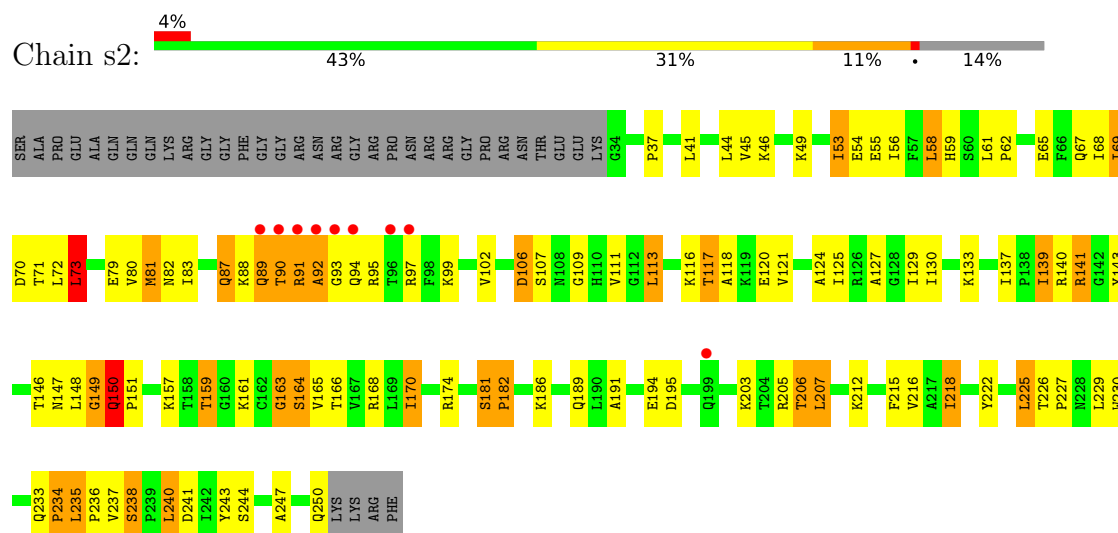
Chain s1:

Amino Acid	Category	Percentage
ALA	Grey	15%
VAL	Grey	15%
GLY	Grey	15%
ASN	Grey	15%
LYS	Grey	15%
ARG	Grey	15%
LEU	Grey	15%
SER	Green	31%
LYS	Green	31%
GLY	Green	31%
LYS	Green	31%
GLY	Green	31%
GLN	Green	31%
LYS	Green	31%
ARG	Green	31%
V20	Yellow	39%
V21	Yellow	39%
D22	Yellow	39%
P23	Yellow	39%
F24	Yellow	39%
T25	Yellow	39%
R26	Yellow	39%
K27	Yellow	39%
E28	Yellow	39%
W29	Yellow	39%
F30	Yellow	39%
D31	Yellow	39%
I32	Yellow	39%
K33	Yellow	39%
A34	Yellow	39%
P35	Yellow	39%
R41	Orange	14%
K42	Orange	14%
G43	Orange	14%
G44	Orange	14%
K45	Orange	14%
T46	Orange	14%
L47	Orange	14%
V48	Orange	14%
S51	Grey	15%
T52	Green	31%
G53	Green	31%
L54	Green	31%
K55	Green	31%
S56	Green	31%
A57	Green	31%
S58	Green	31%
D59	Green	31%
K60	Green	31%
L61	Green	31%
K62	Green	31%
G63	Green	31%
R64	Green	31%
V65	Green	31%
V66	Green	31%
E67	Green	31%
L70	Orange	14%
A71	Orange	14%
D72	Orange	14%
L73	Orange	14%
S76	Green	31%
E77	Green	31%
D78	Green	31%
H79	Green	31%
S80	Green	31%
F81	Green	31%
R82	Green	31%
K83	Green	31%
R87	Green	31%
V88	Green	31%
D89	Green	31%
E90	Green	31%
G91	Green	31%
Q92	Green	31%
G93	Green	31%
K94	Green	31%
N95	Green	31%
L96	Green	31%
L97	Green	31%
H101	Green	31%
G102	Green	31%
M103	Green	31%
T106	Orange	14%
K109	Green	31%
L110	Green	31%
R111	Green	31%
S112	Green	31%
M113	Green	31%
V114	Green	31%
R115	Green	31%
K116	Green	31%
L117	Green	31%
Q118	Green	31%
T119	Green	31%
L120	Green	31%
A123	Green	31%
R124	Green	31%
V125	Green	31%
T126	Green	31%
T129	Green	31%
S130	Green	31%
D131	Green	31%
D132	Green	31%
V133	Green	31%
V134	Green	31%
L135	Green	31%
L136	Green	31%
I137	Green	31%
A141	Orange	14%
F142	Orange	14%
T143	Orange	14%
R144	Orange	14%
K145	Orange	14%
Q146	Orange	14%
A147	Orange	14%
N148	Orange	14%
L149	Orange	14%
R152	Orange	14%
Q157	Orange	14%
H160	Orange	14%
I161	Orange	14%
R162	Orange	14%
A163	Orange	14%
L164	Orange	14%
R165	Orange	14%
K166	Orange	14%
V167	Orange	14%
I168	Orange	14%
S169	Orange	14%
L172	Orange	14%
T173	Orange	14%
K174	Orange	14%
E175	Orange	14%
V176	Orange	14%
Q177	Orange	14%
G178	Orange	14%
S179	Orange	14%
T180	Orange	14%
L181	Orange	14%
A182	Orange	14%
Q183	Orange	14%
L184	Orange	14%
T185	Orange	14%
S186	Orange	14%
K187	Orange	14%
L188	Orange	14%
L189	Orange	14%
P190	Orange	14%
E191	Orange	14%
V192	Orange	14%
I193	Orange	14%
N194		

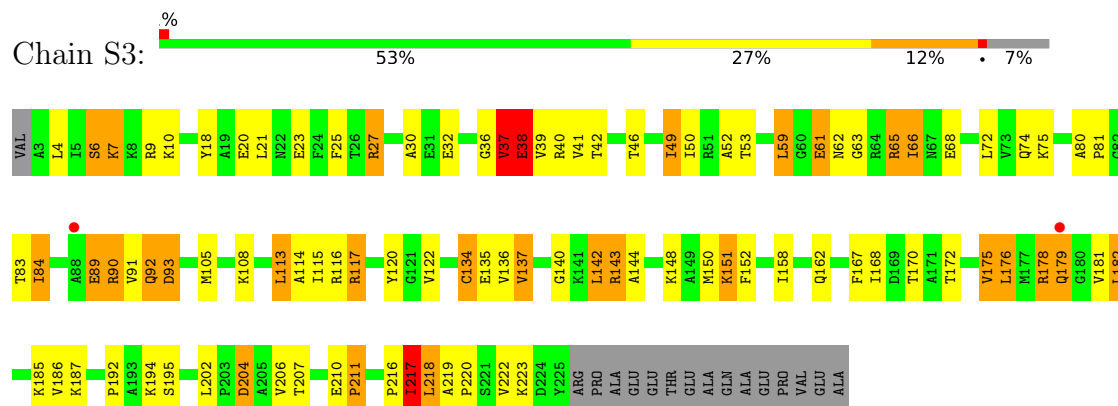
- Molecule 4: 40S ribosomal protein S2



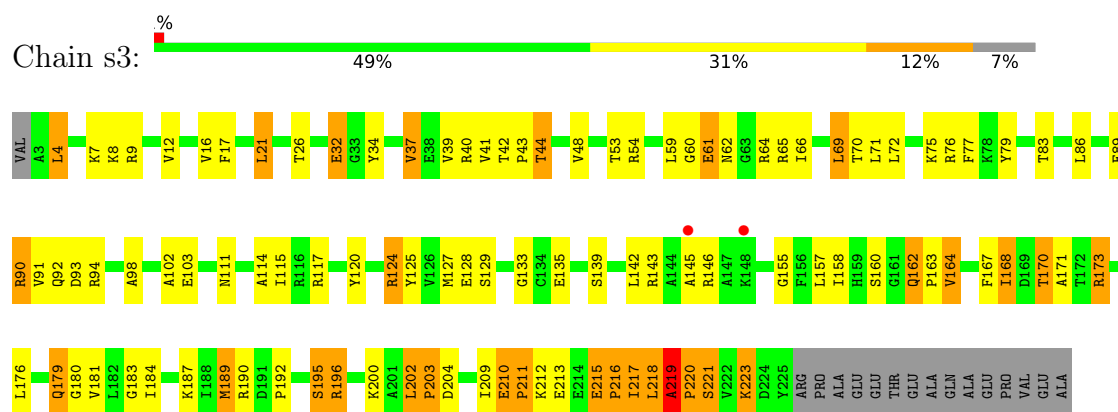
- Molecule 4: 40S ribosomal protein S2



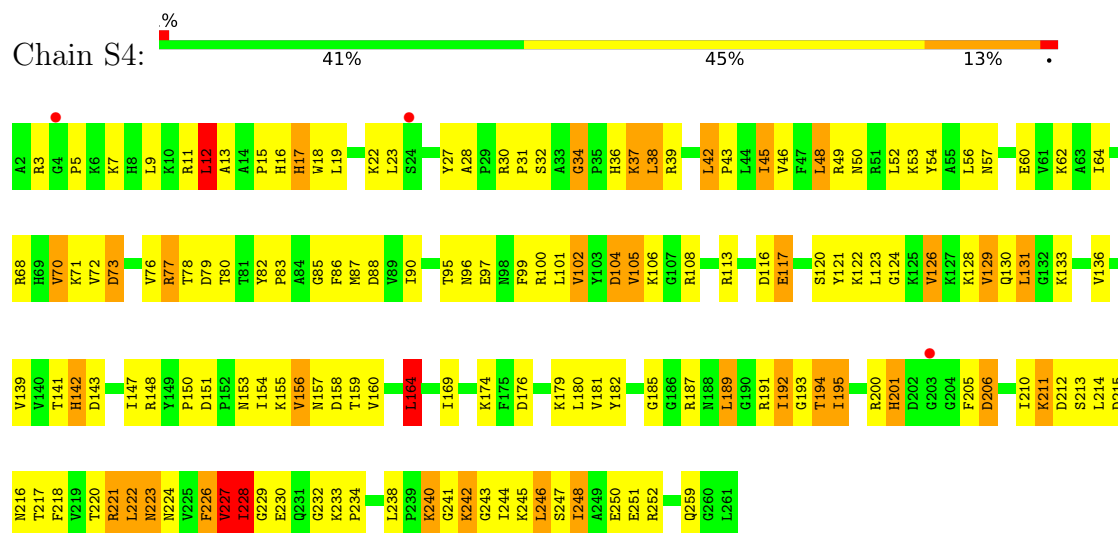
- Molecule 5: 40S ribosomal protein S3



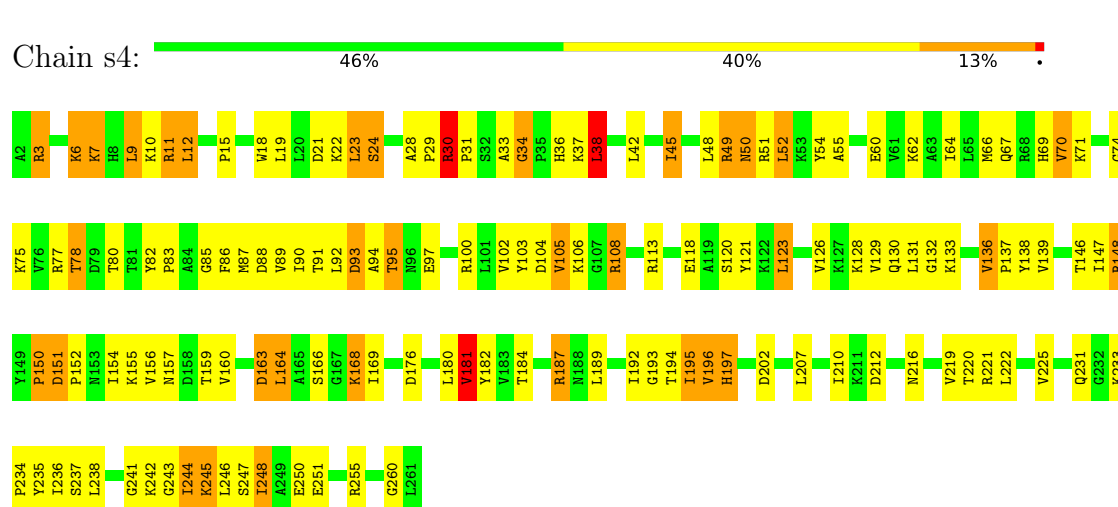
- Molecule 5: 40S ribosomal protein S3



• Molecule 6: 40S ribosomal protein S4-A

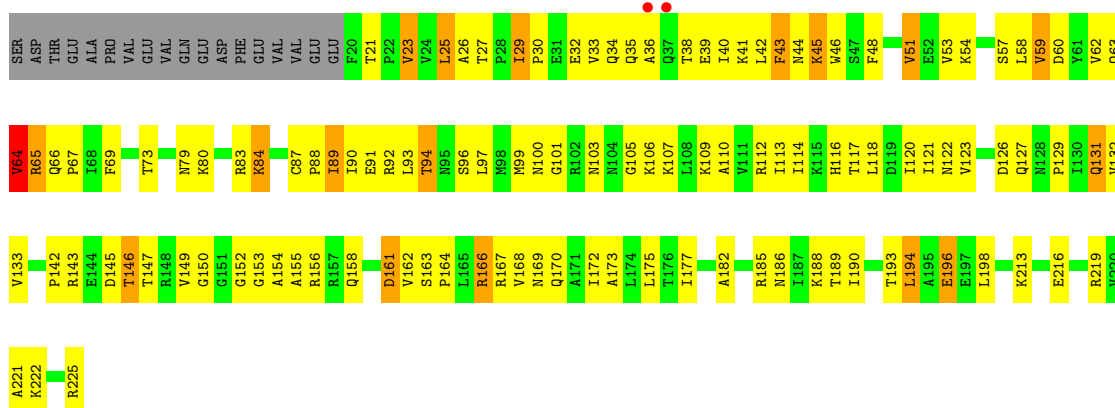


• Molecule 6: 40S ribosomal protein S4-A

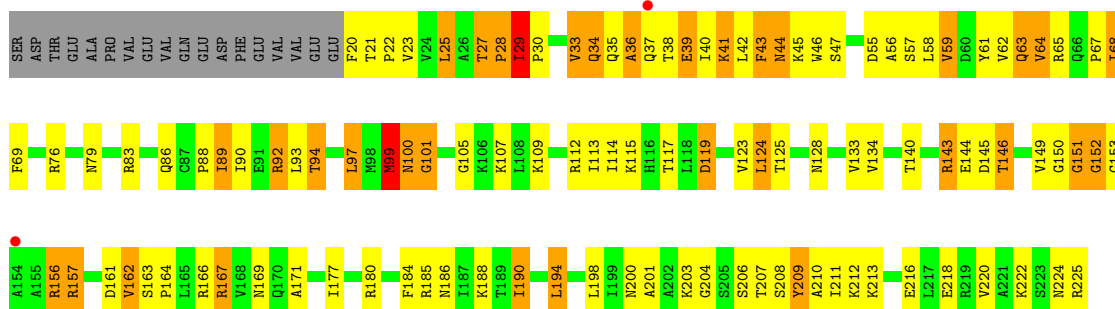
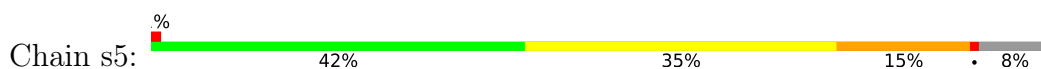


• Molecule 7: 40S ribosomal protein S5

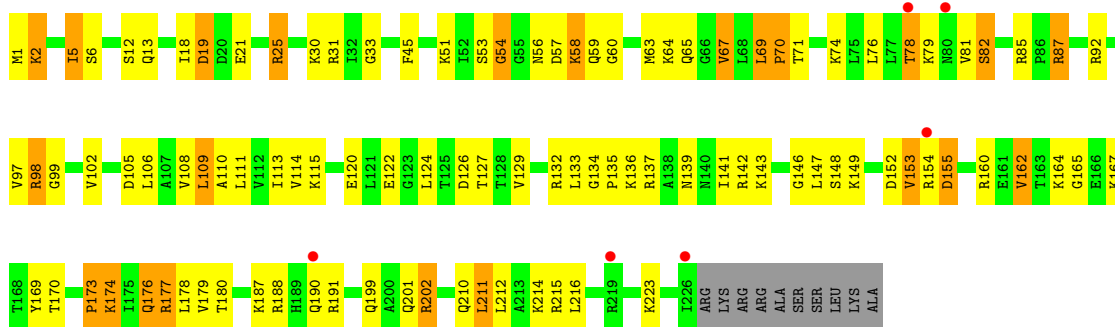




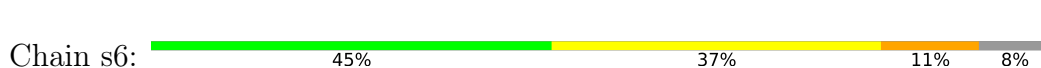
• Molecule 7: 40S ribosomal protein S5

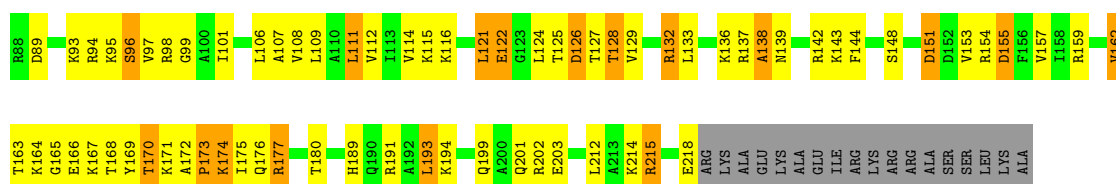


• Molecule 8: 40S ribosomal protein S6-A

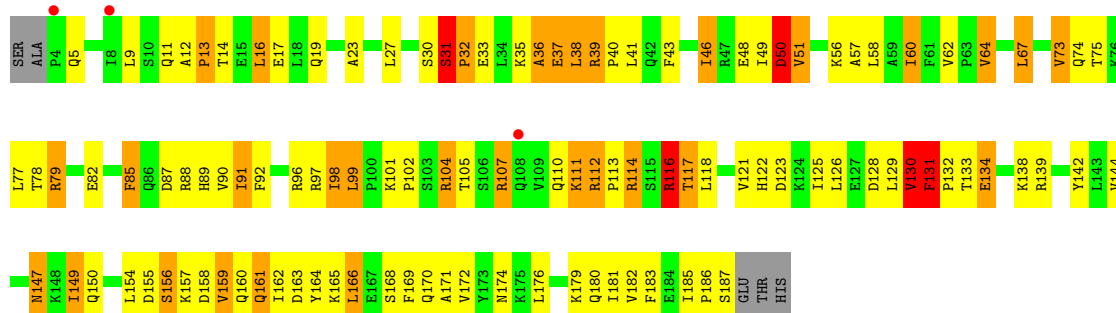


• Molecule 8: 40S ribosomal protein S6-A

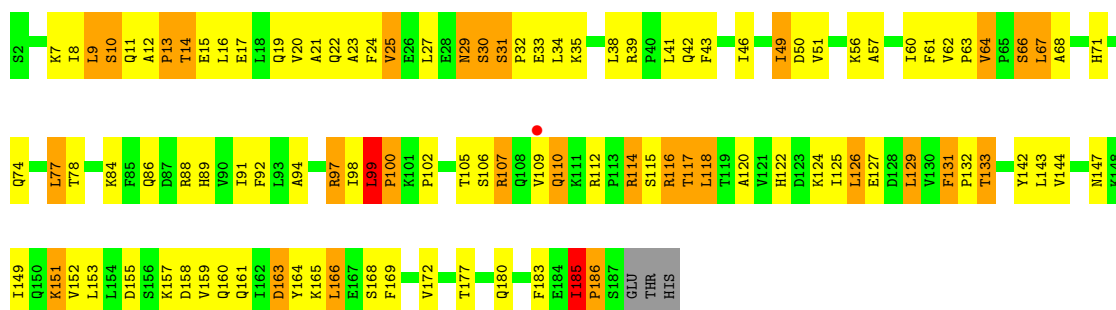
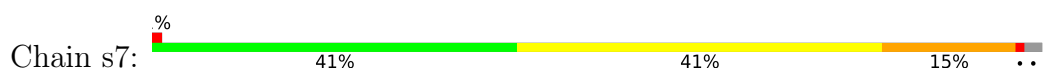




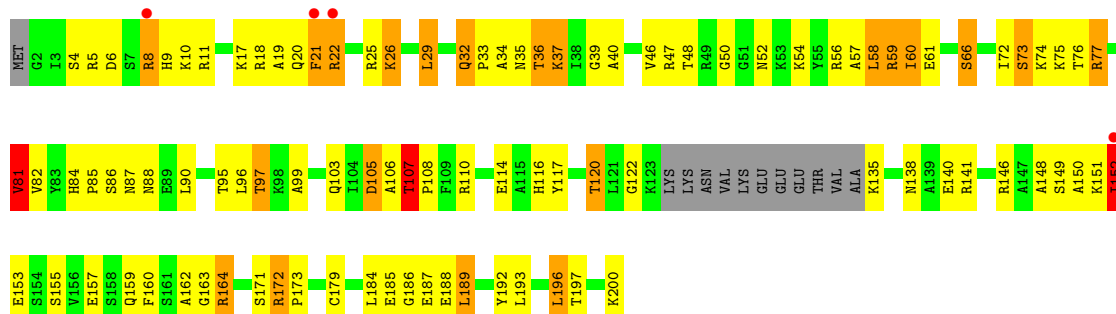
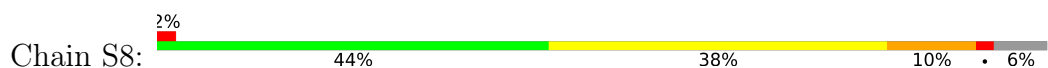
• Molecule 9: 40S ribosomal protein S7-A



• Molecule 9: 40S ribosomal protein S7-A

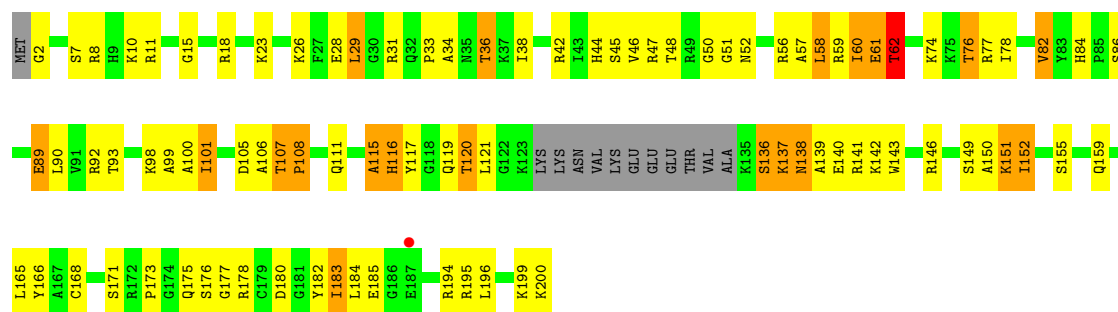


• Molecule 10: 40S ribosomal protein S8-A



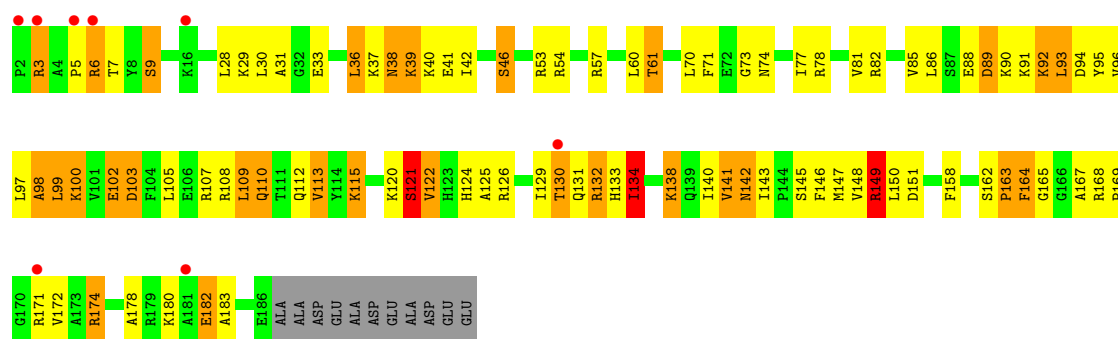
• Molecule 10: 40S ribosomal protein S8-A

Chain s8: 



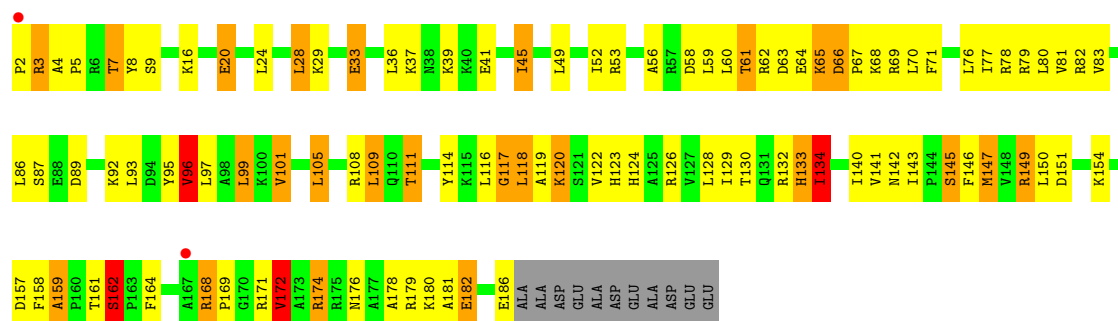
• Molecule 11: 40S ribosomal protein S9-A

Chain S9: 

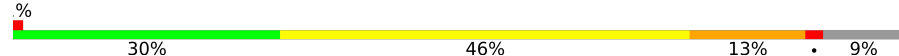


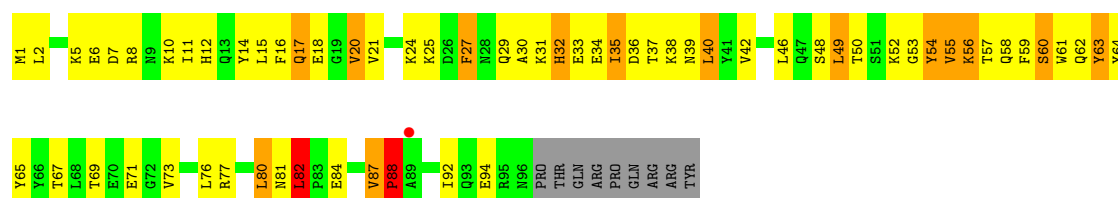
• Molecule 11: 40S ribosomal protein S9-A

Chain s9: 

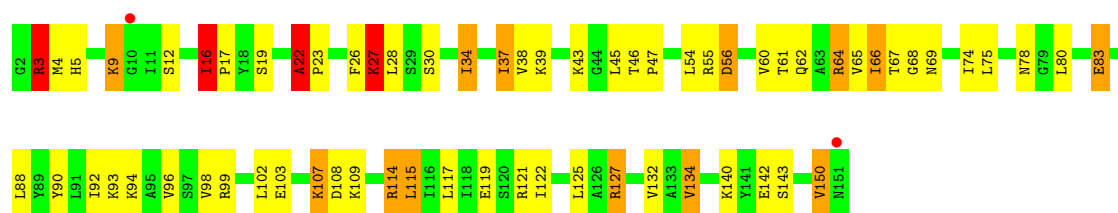


• Molecule 12: 40S ribosomal protein S10-A

Chain C0: 

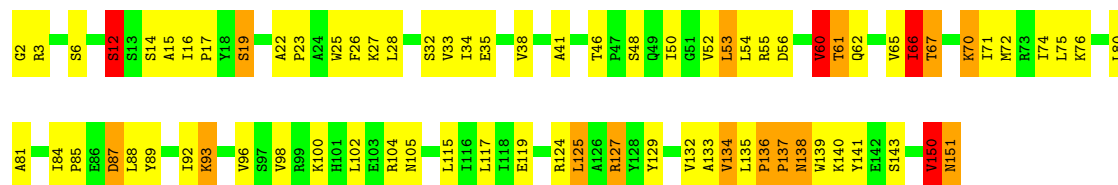


Chain C3: %



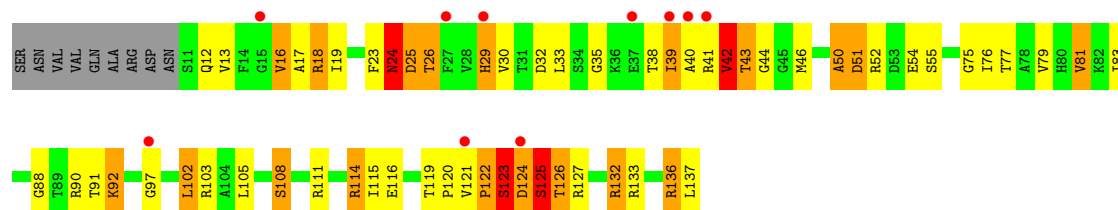
• Molecule 15: 40S ribosomal protein S13

Chain c3: 49% 39% 9% .



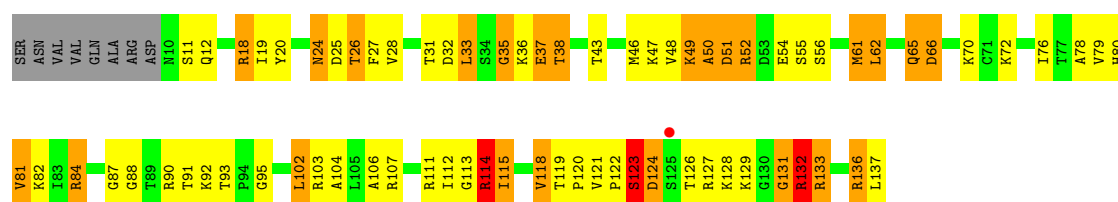
• Molecule 16: 40S ribosomal protein S14-A

Chain C4: 7% 49% 27% 14% 7%



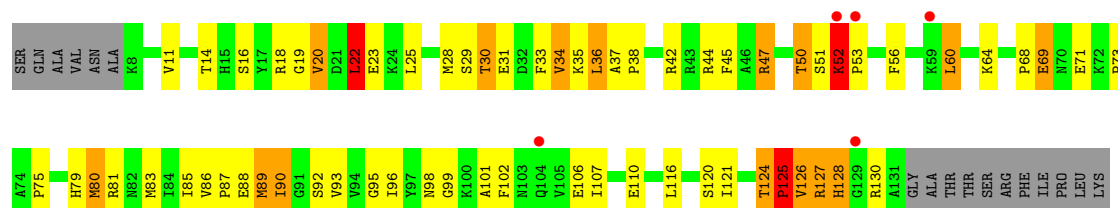
• Molecule 16: 40S ribosomal protein S14-A

Chain c4: % 40% 35% 18% 6%

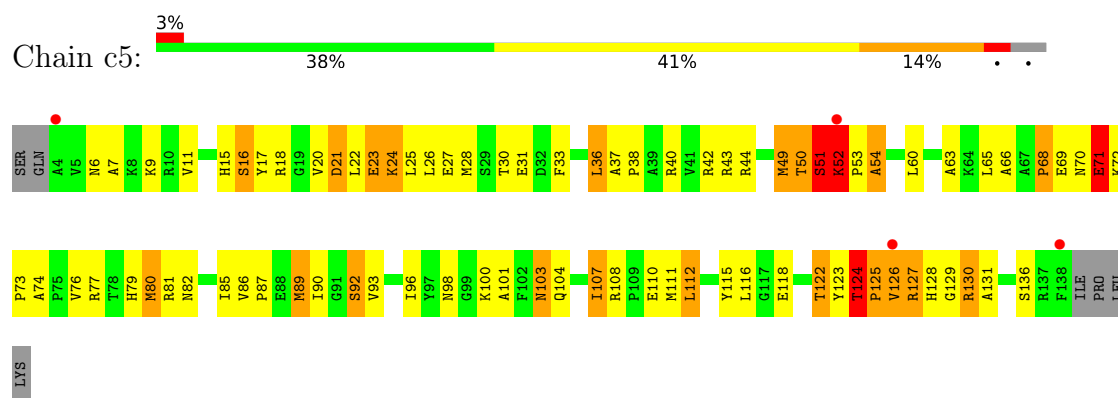


• Molecule 17: 40S ribosomal protein S15

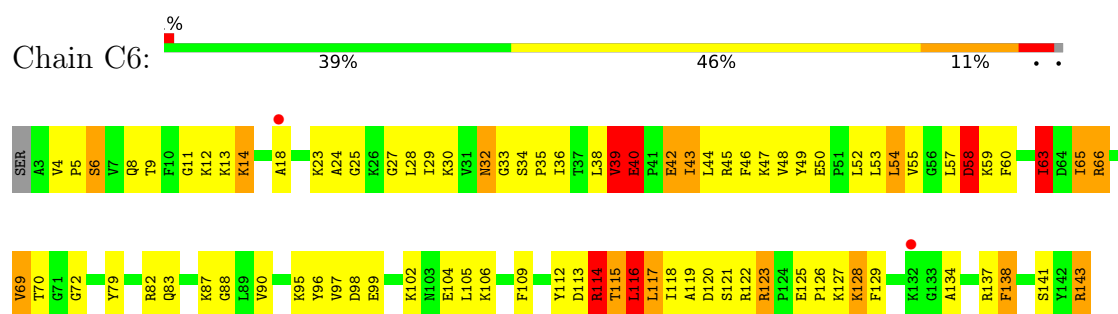
Chain C5: 4% 42% 33% 11% 12%



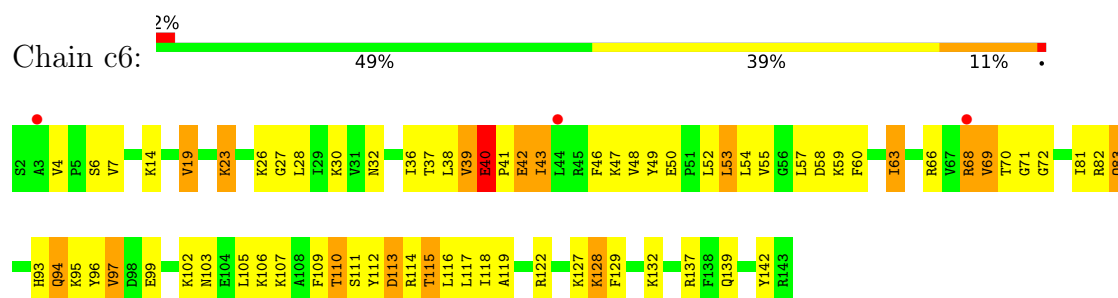
- Molecule 17: 40S ribosomal protein S15



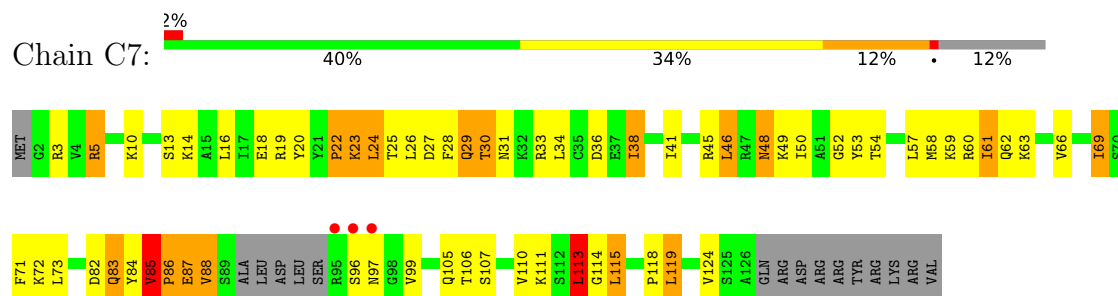
- Molecule 18: 40S ribosomal protein S16-A



- Molecule 18: 40S ribosomal protein S16-A

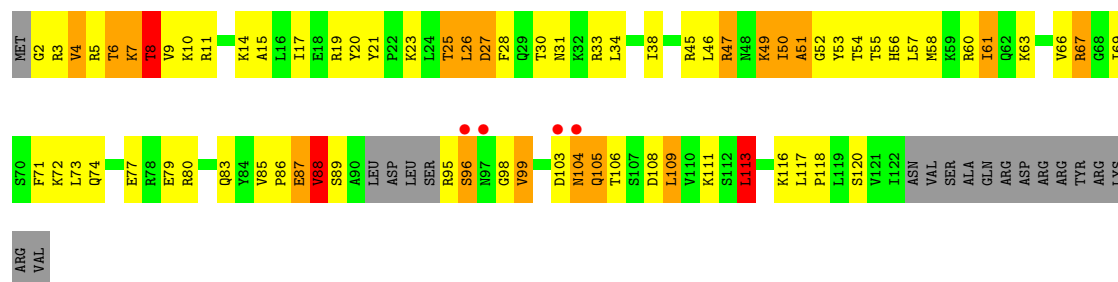


- Molecule 19: 40S ribosomal protein S17-A

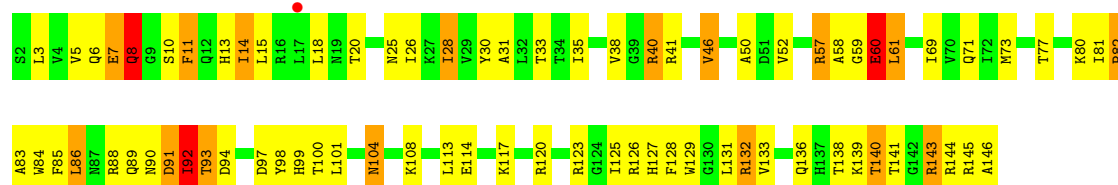


- Molecule 19: 40S ribosomal protein S17-A

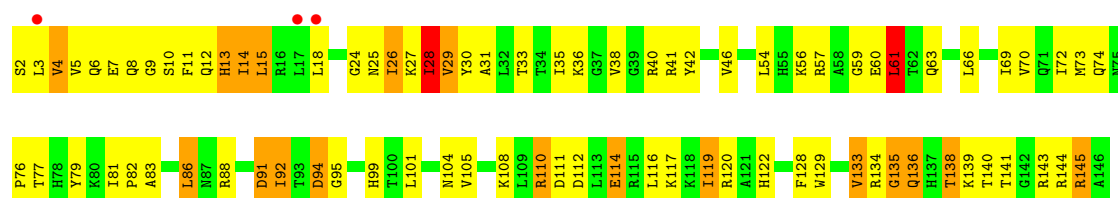




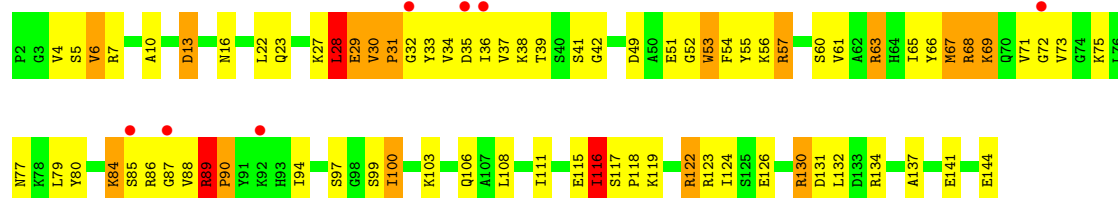
- Molecule 20: 40S ribosomal protein S18-A



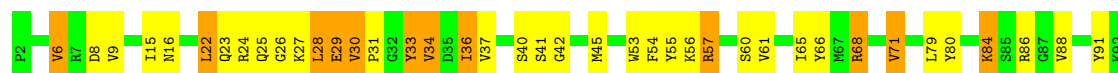
- Molecule 20: 40S ribosomal protein S18-A



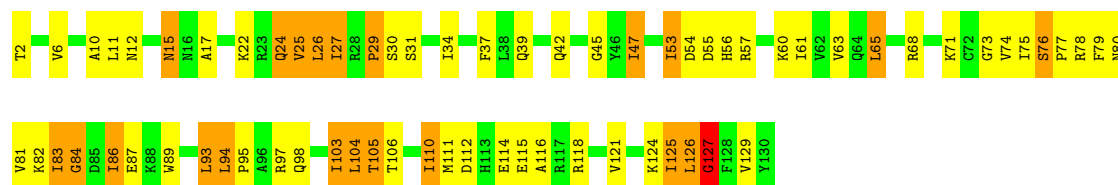
- Molecule 21: 40S ribosomal protein S19-A



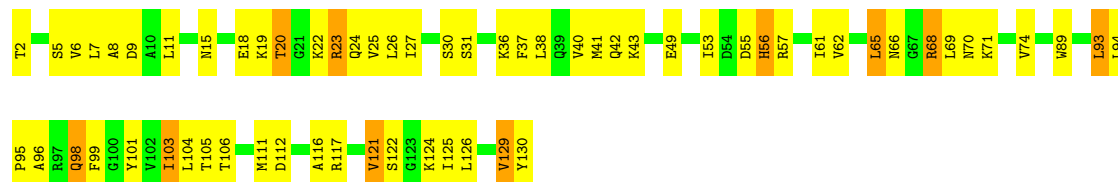
- Molecule 21: 40S ribosomal protein S19-A



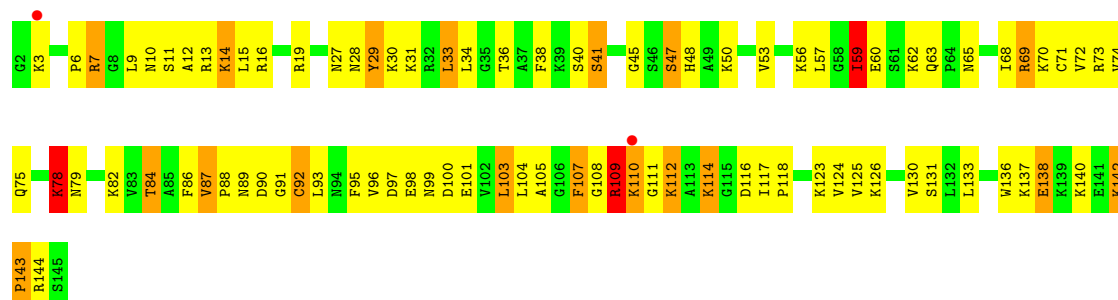




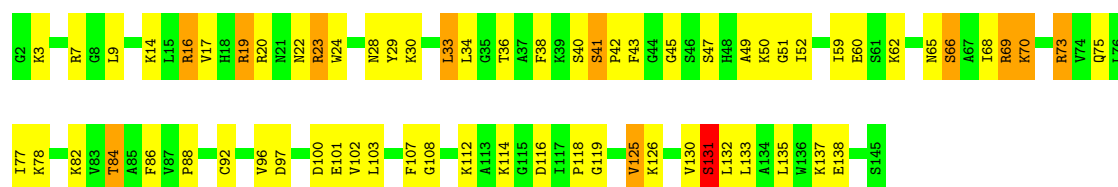
• Molecule 24: 40S ribosomal protein S22-A



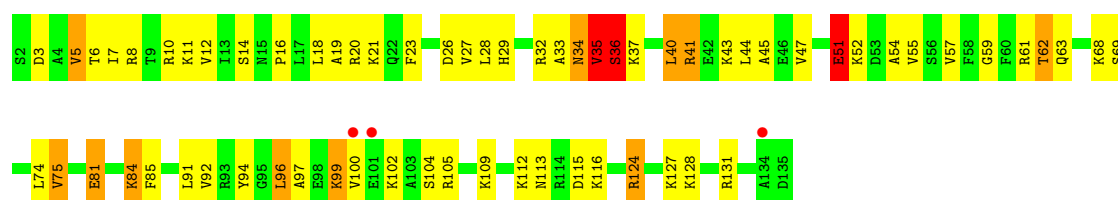
• Molecule 25: 40S ribosomal protein S23-A



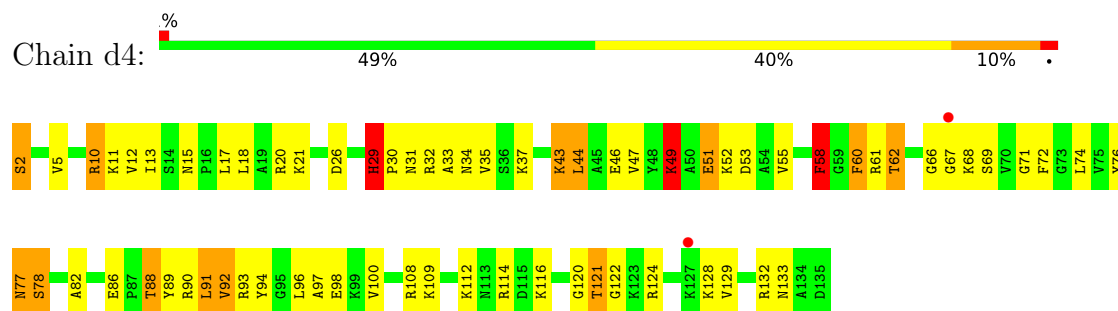
• Molecule 25: 40S ribosomal protein S23-A



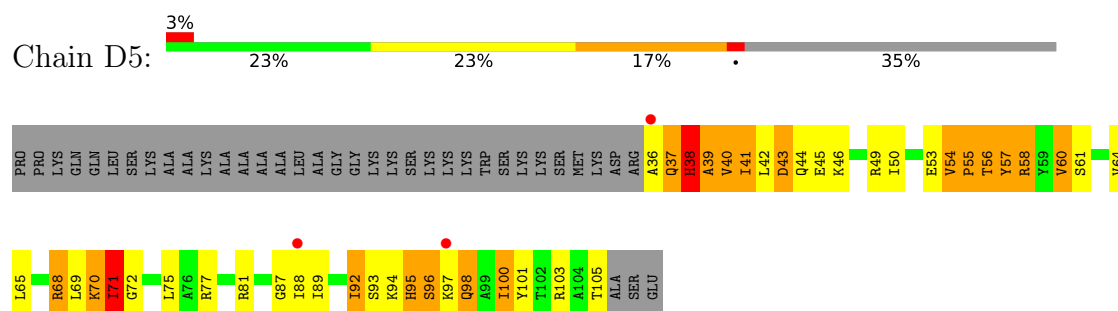
• Molecule 26: 40S ribosomal protein S24-A



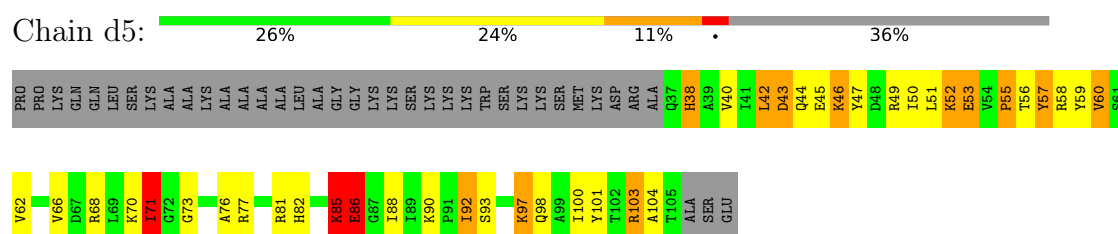
- Molecule 26: 40S ribosomal protein S24-A



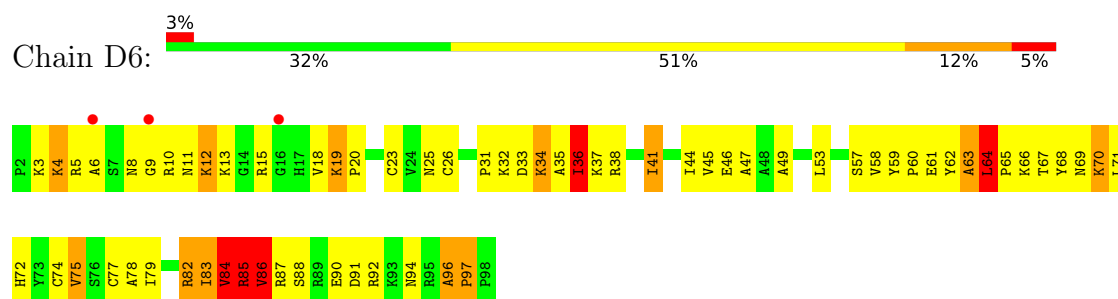
- Molecule 27: 40S ribosomal protein S25-A



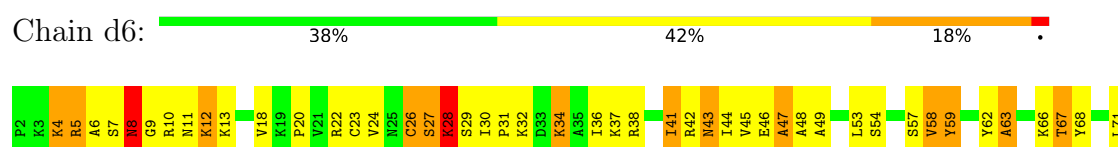
- Molecule 27: 40S ribosomal protein S25-A

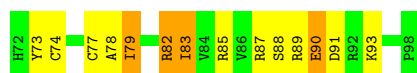


- Molecule 28: 40S ribosomal protein S26-B

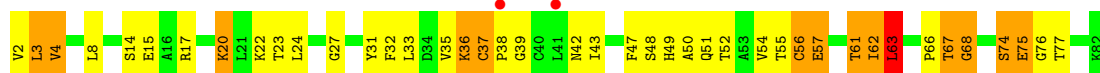


- Molecule 28: 40S ribosomal protein S26-B

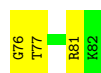




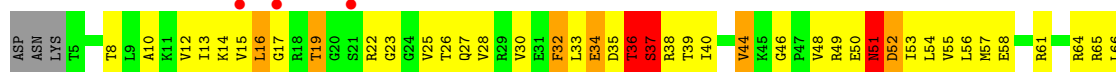
- Molecule 29: 40S ribosomal protein S27-A



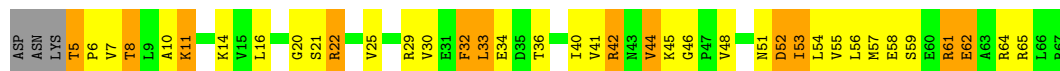
- Molecule 29: 40S ribosomal protein S27-A



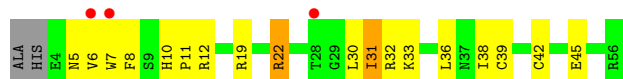
- Molecule 30: 40S ribosomal protein S28-A



- Molecule 30: 40S ribosomal protein S28-A

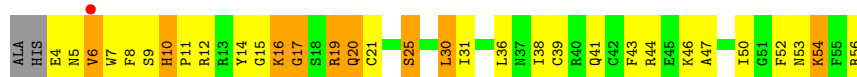


- Molecule 31: 40S ribosomal protein S29-A



- Molecule 31: 40S ribosomal protein S29-A





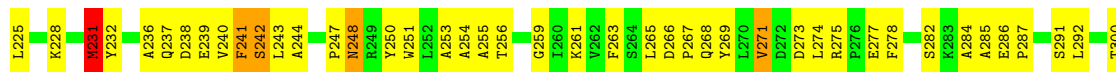
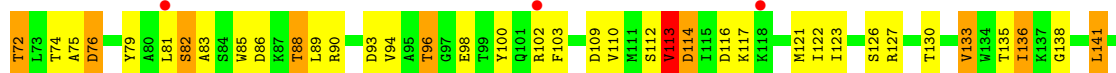
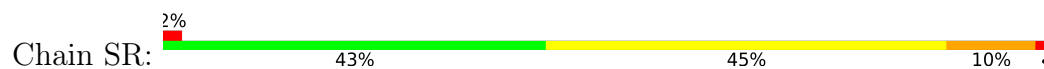
- Molecule 32: 40S ribosomal protein S30-A



- Molecule 33: Ubiquitin-40S ribosomal protein S31

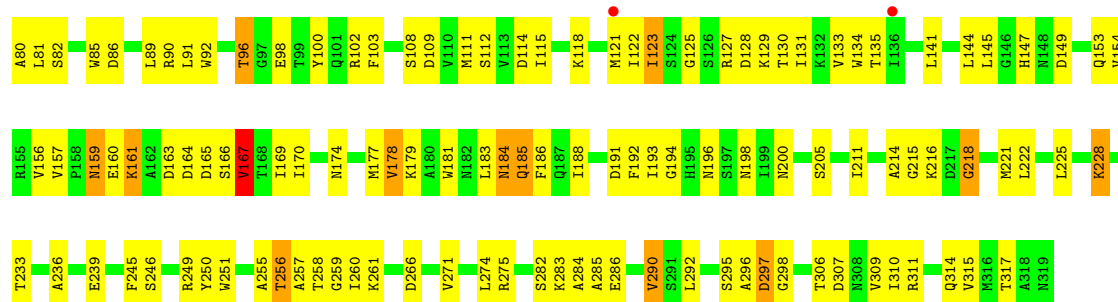


- Molecule 34: Guanine nucleotide-binding protein subunit beta-like protein

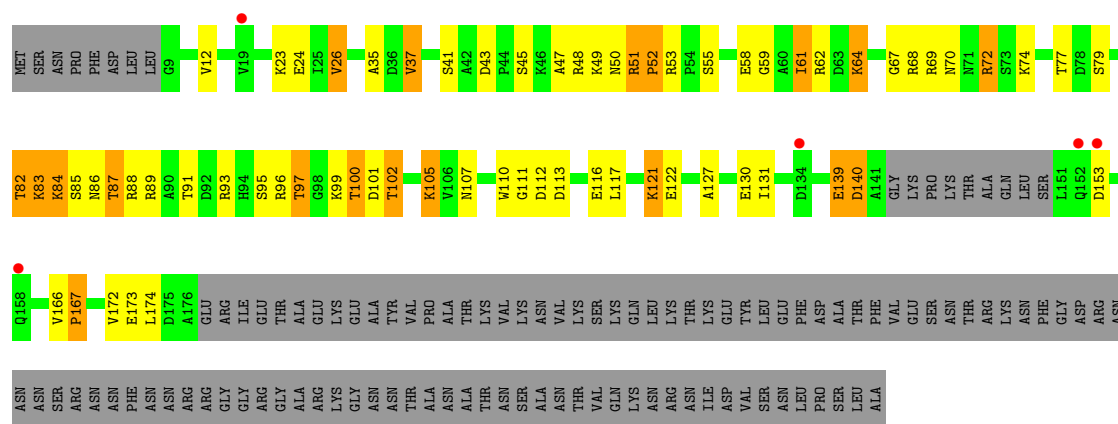
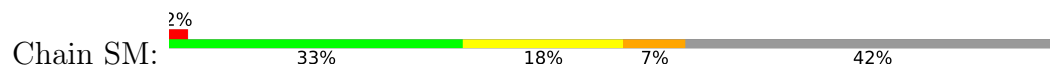


- Molecule 34: Guanine nucleotide-binding protein subunit beta-like protein

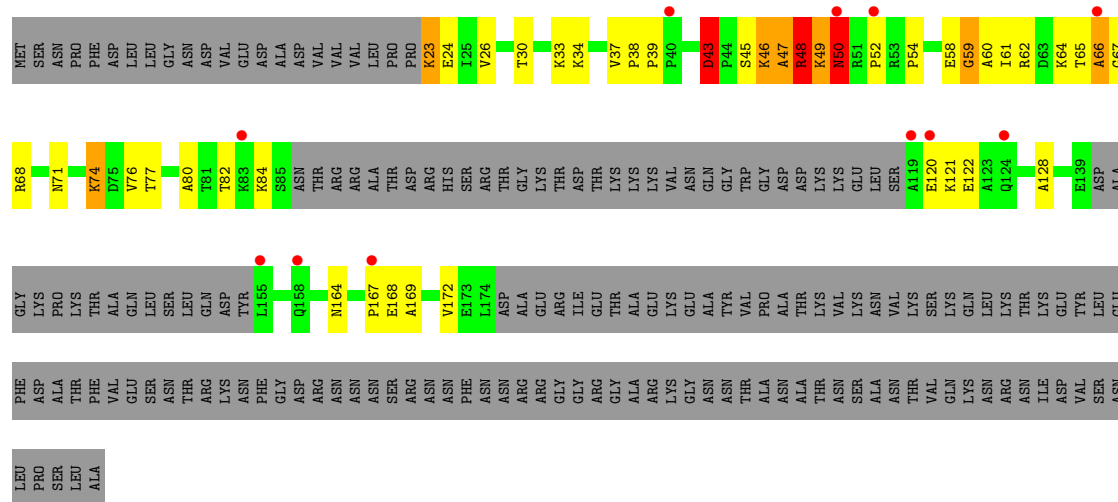




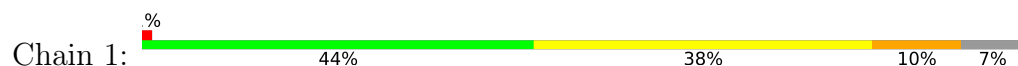
• Molecule 35: Suppressor protein STM1



• Molecule 35: Suppressor protein STM1

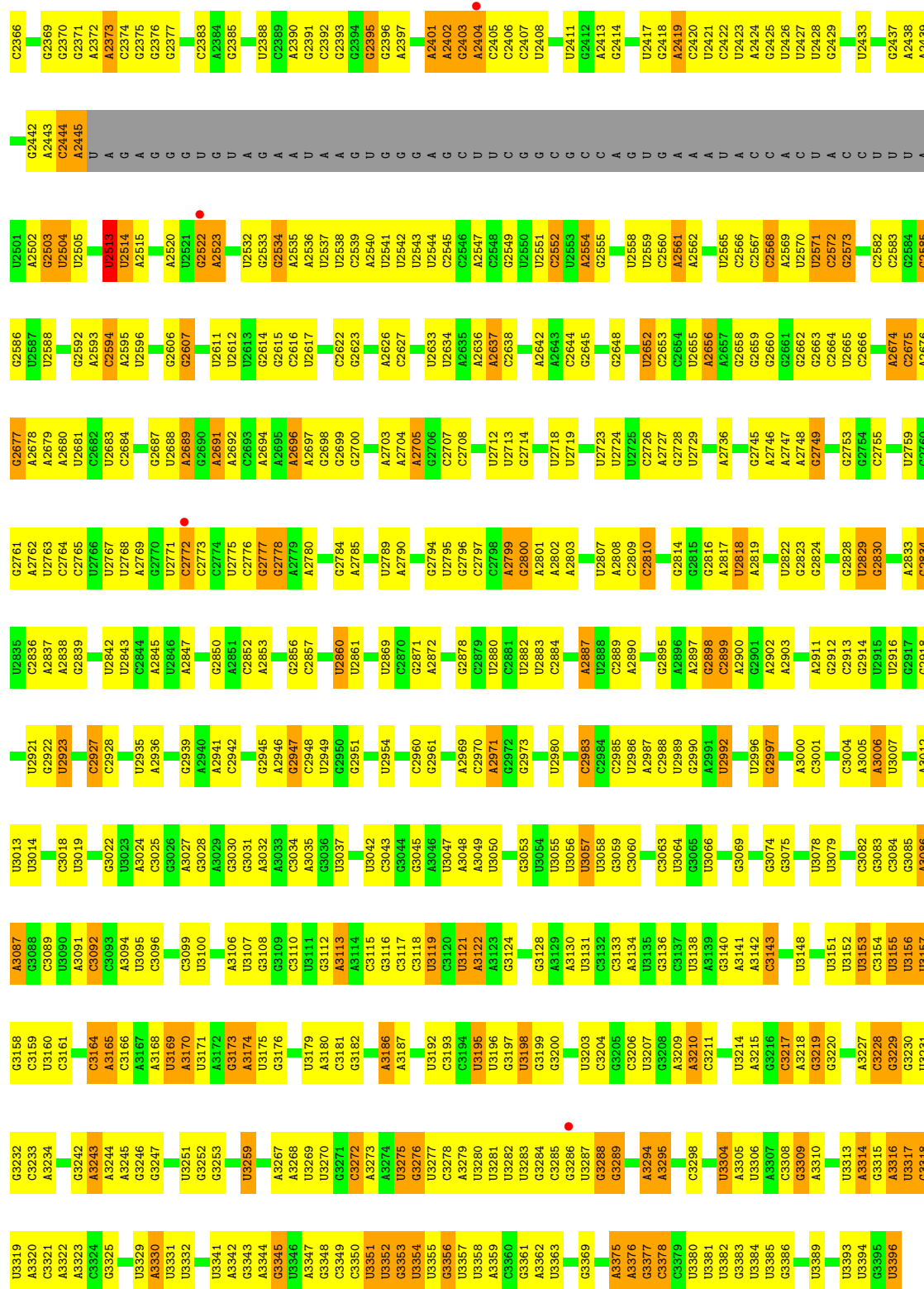


• Molecule 36: 25S ribosomal RNA

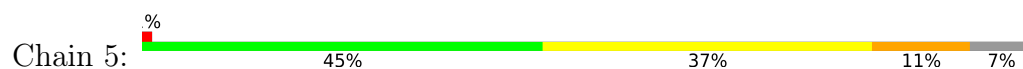


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A1202	A1098	G1029	G937	C851	C765	C667	C573	G	U434	U178	A265	U178	A95	A13
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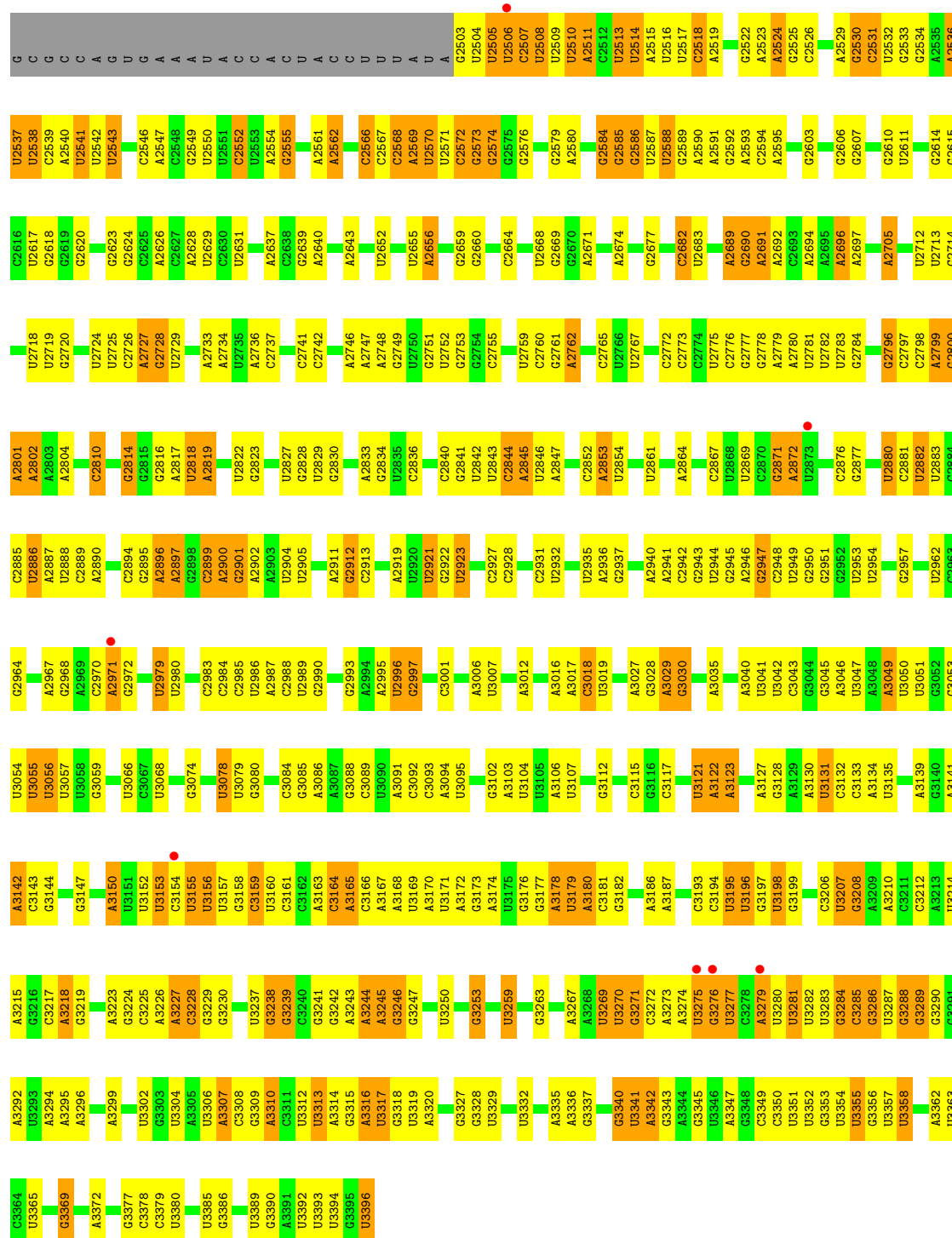


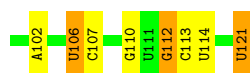
- Molecule 36: 25S ribosomal RNA





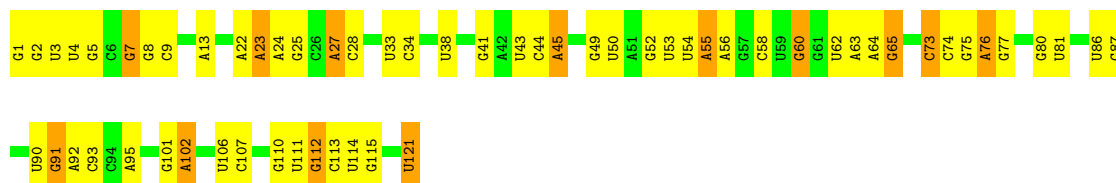
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G	A2299	U2225	U2135	C	G	U1938	G1848	G1779	U1687	A1593		U1331	
C	A2402	U2226	C2136	U	G	G1939	C1849	G1780	U1688	A1594		A1428	
U	G2403	C2227	U2137	U	C	G1940	A1850	C1781	U1689	U1595		A1432	
U	A2404	C2304	A2138	G	C		G1851	U1782	C1690	C1596		U1430	
C	C2405	A2139	U2140	U	U	G1949		U1783	U1691	C1597		U1334	
G	G2406	C2306		A	U		A1858	G1784	U1692	G1598		C1338	





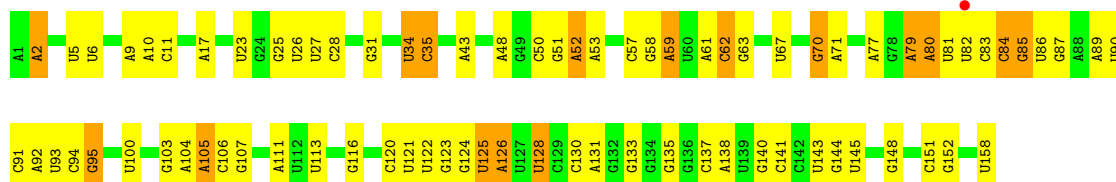
• Molecule 37: 5S ribosomal RNA

Chain 7: 50% 39% 11%



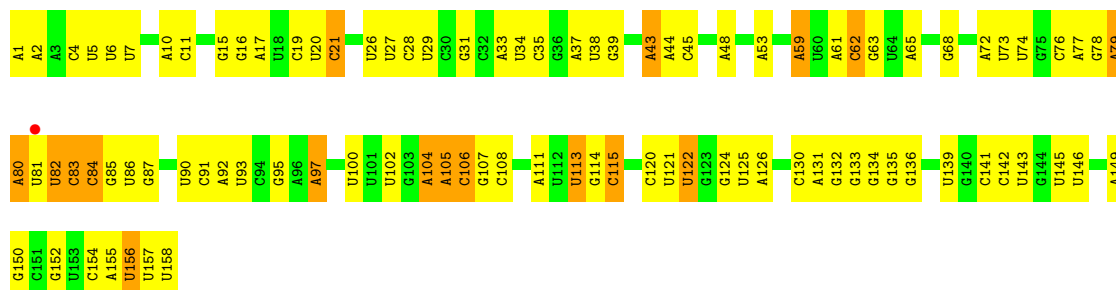
• Molecule 38: 5.8S ribosomal RNA

Chain 4: % 50% 40% 10%



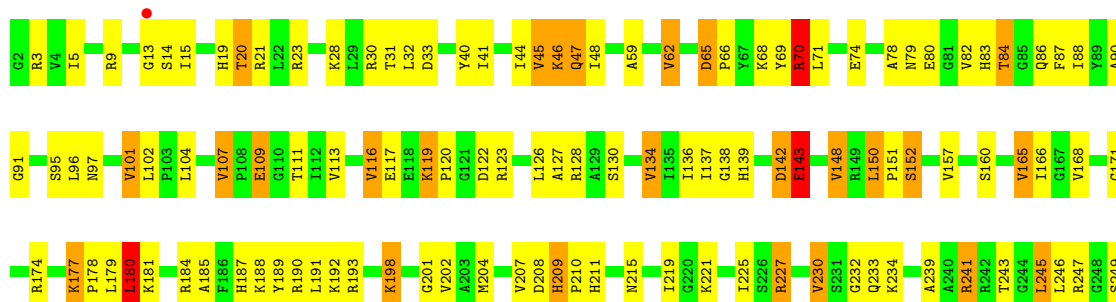
• Molecule 38: 5.8S ribosomal RNA

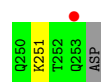
Chain 8: % 40% 49% 11%



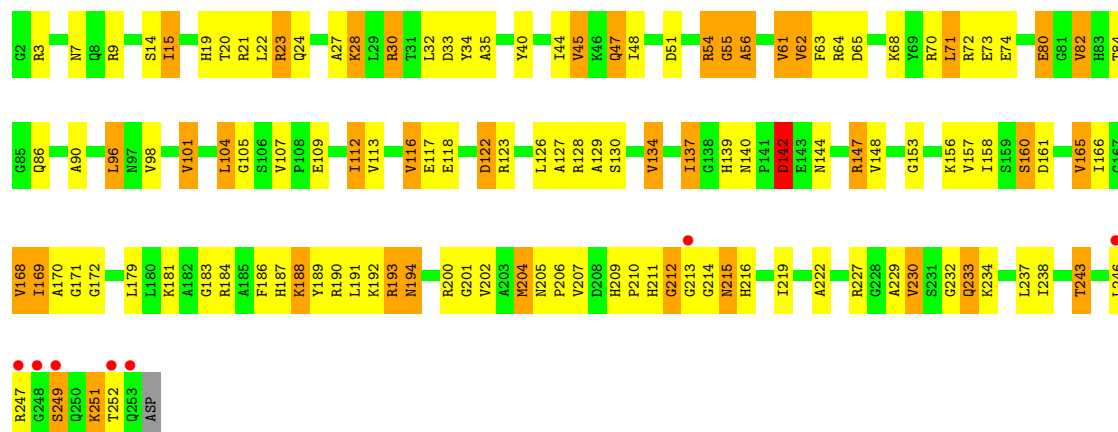
• Molecule 39: 60S ribosomal protein L2-A

Chain L2: % 52% 36% 10%

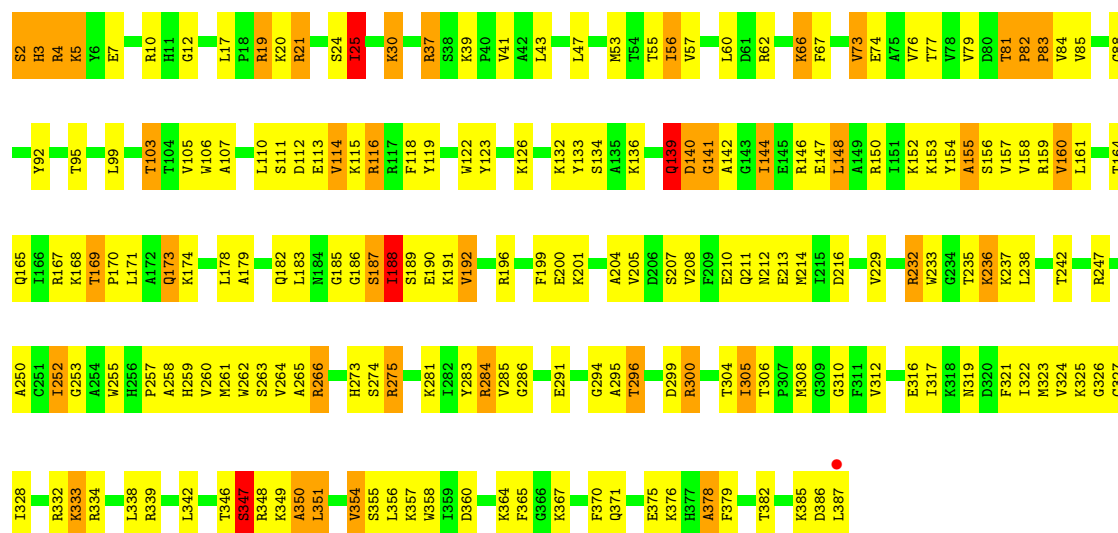




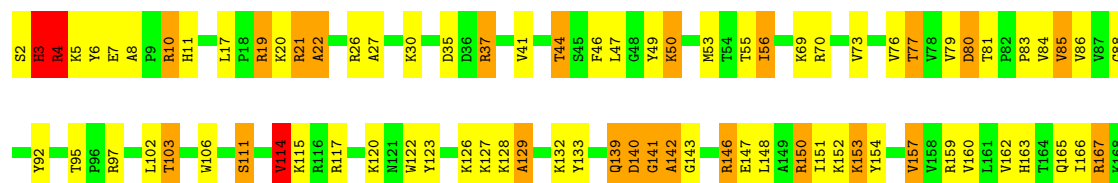
• Molecule 39: 60S ribosomal protein L2-A

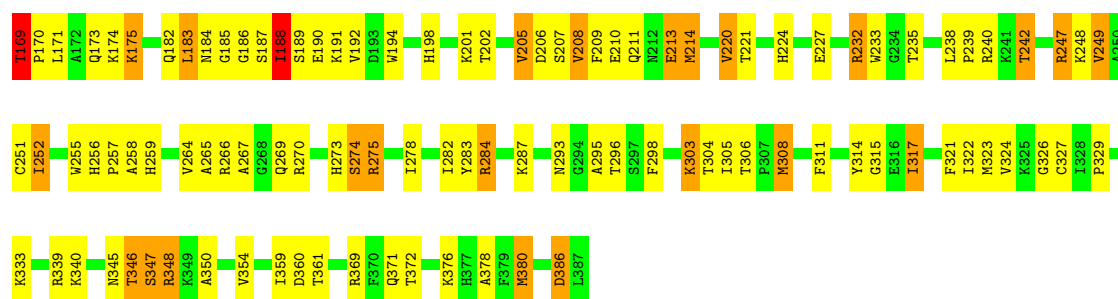


• Molecule 40: 60S ribosomal protein L3

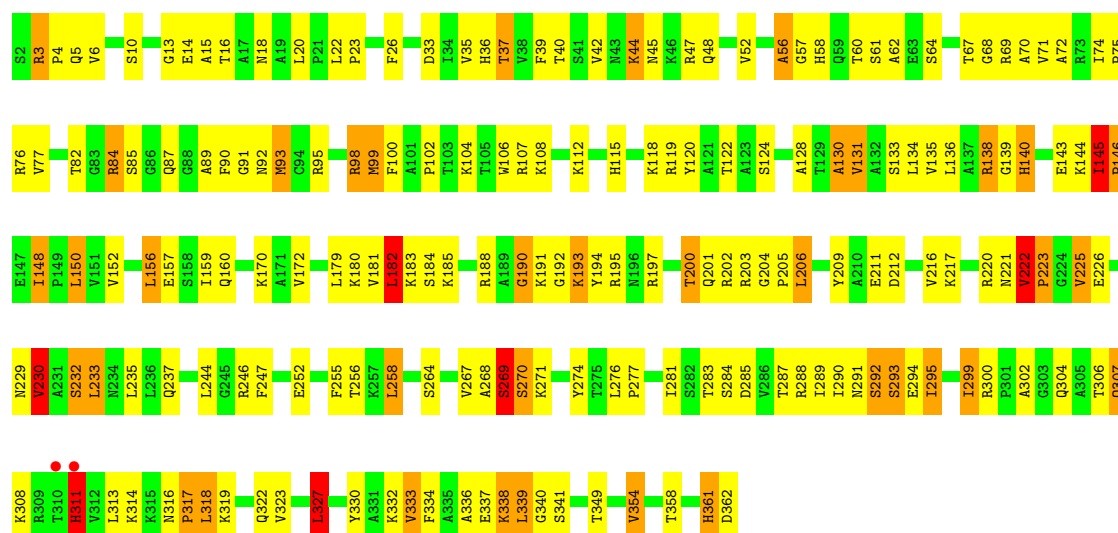


• Molecule 40: 60S ribosomal protein L3

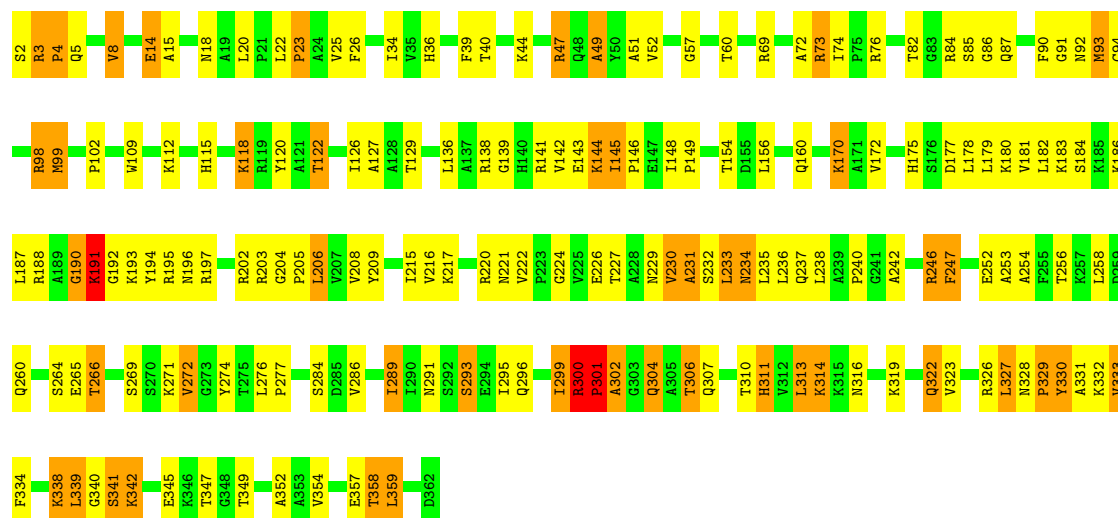




• Molecule 41: 60S ribosomal protein L4-A



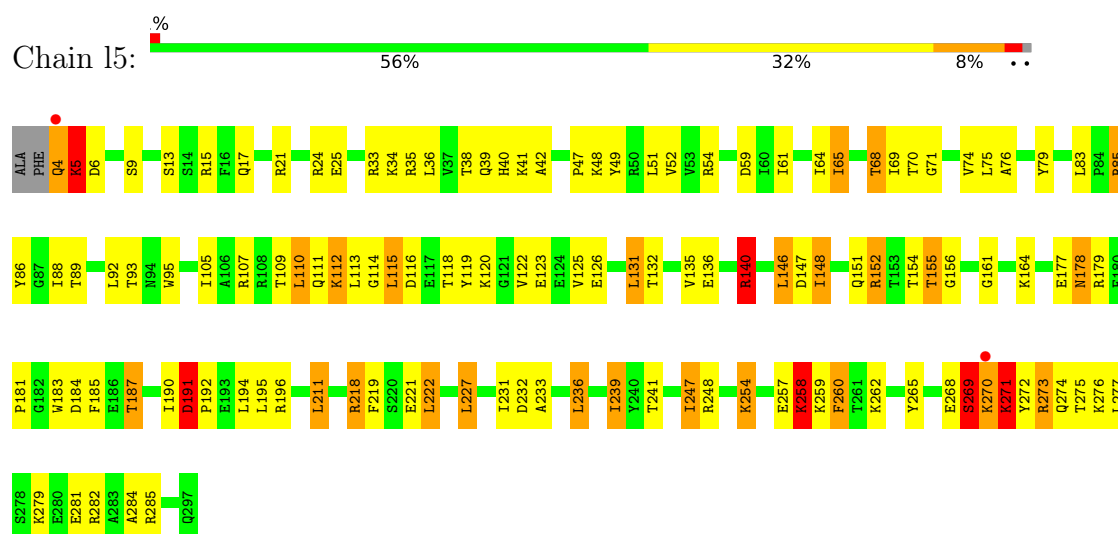
• Molecule 41: 60S ribosomal protein L4-A



• Molecule 42: 60S ribosomal protein L5



• Molecule 42: 60S ribosomal protein L5

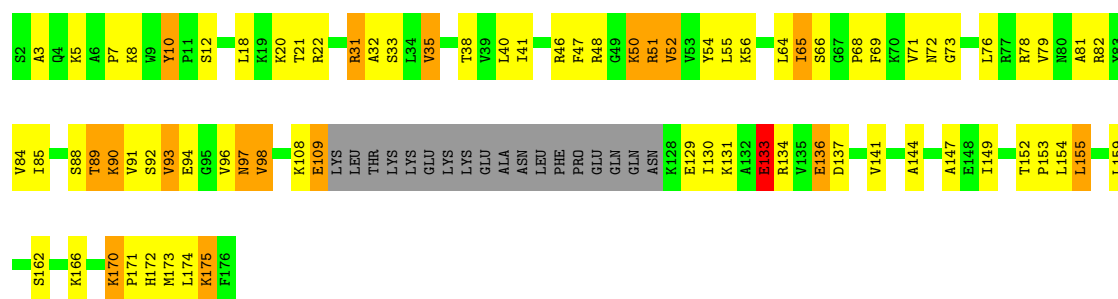


• Molecule 43: 60S ribosomal protein L6-A



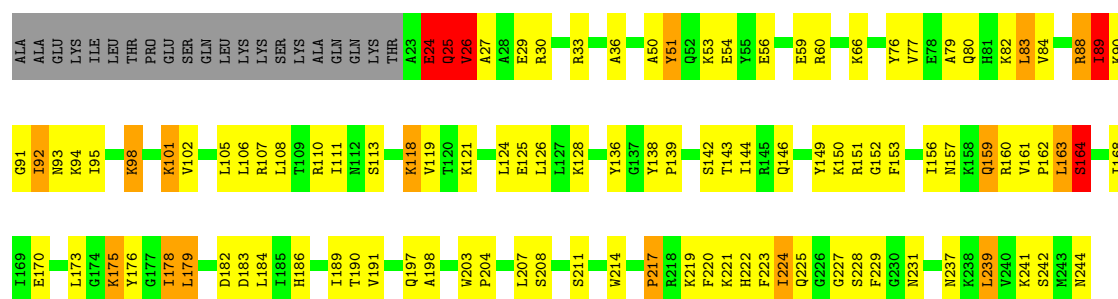
• Molecule 43: 60S ribosomal protein L6-A





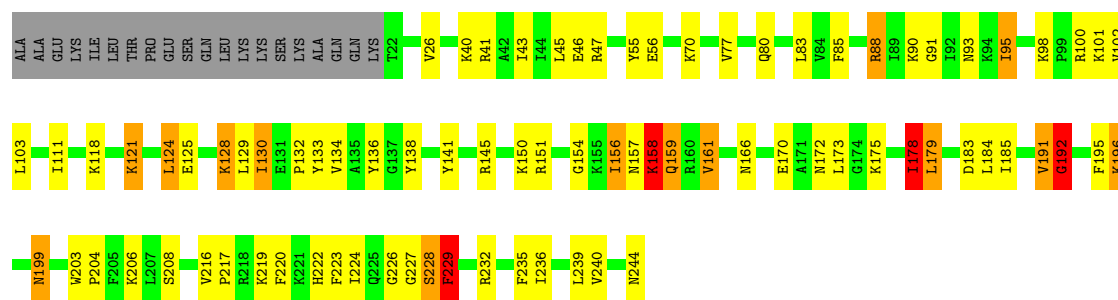
• Molecule 44: 60S ribosomal protein L7-A

Chain L7: 47% 36% 6% 9%



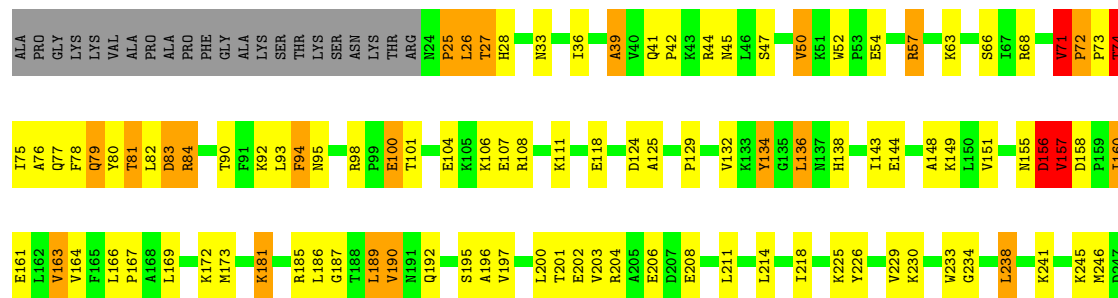
• Molecule 44: 60S ribosomal protein L7-A

Chain L7: 58% 27% 6% 8%



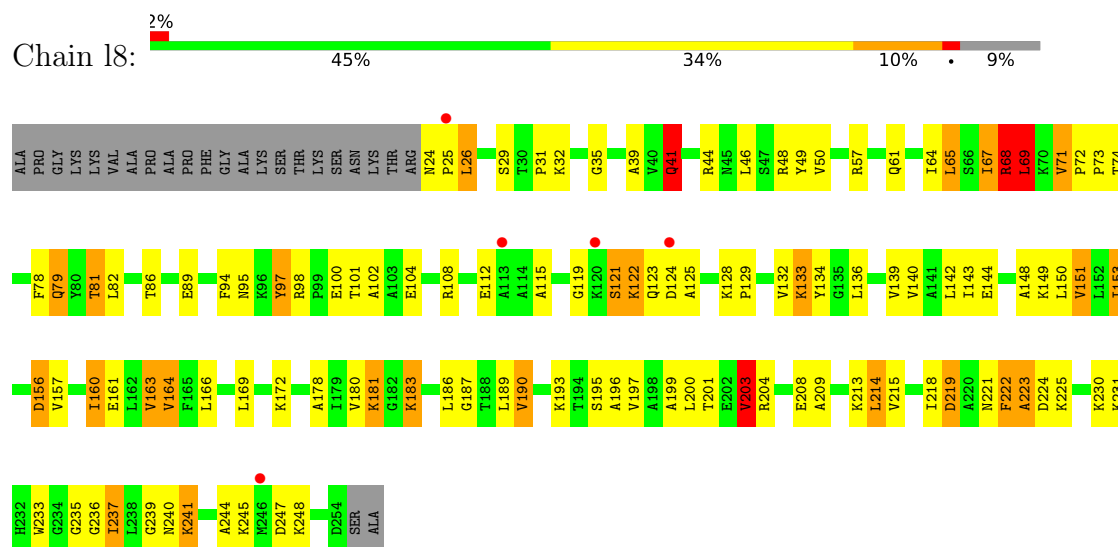
• Molecule 45: 60S ribosomal protein L8-A

Chain L8: 51% 31% 8% 9%

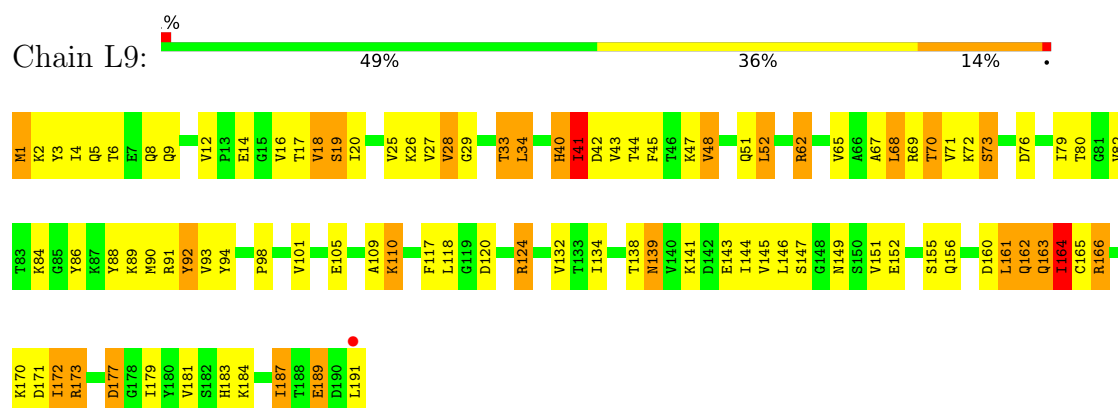




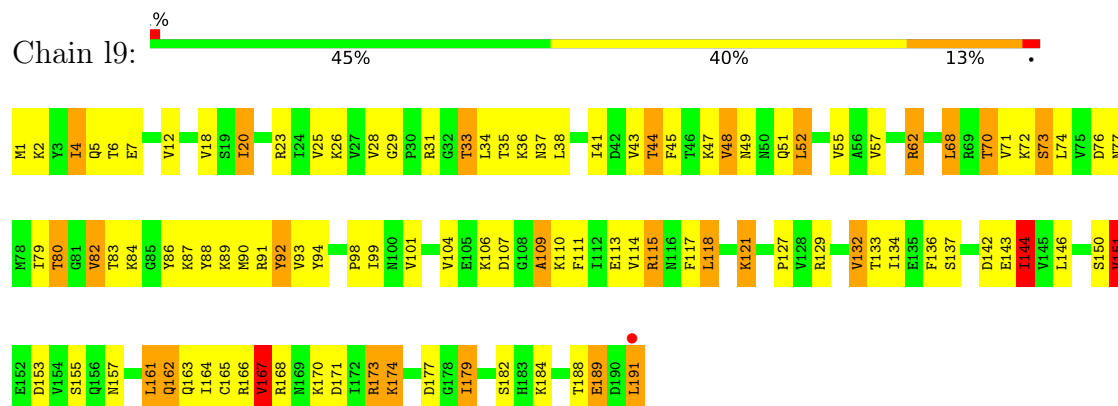
• Molecule 45: 60S ribosomal protein L8-A



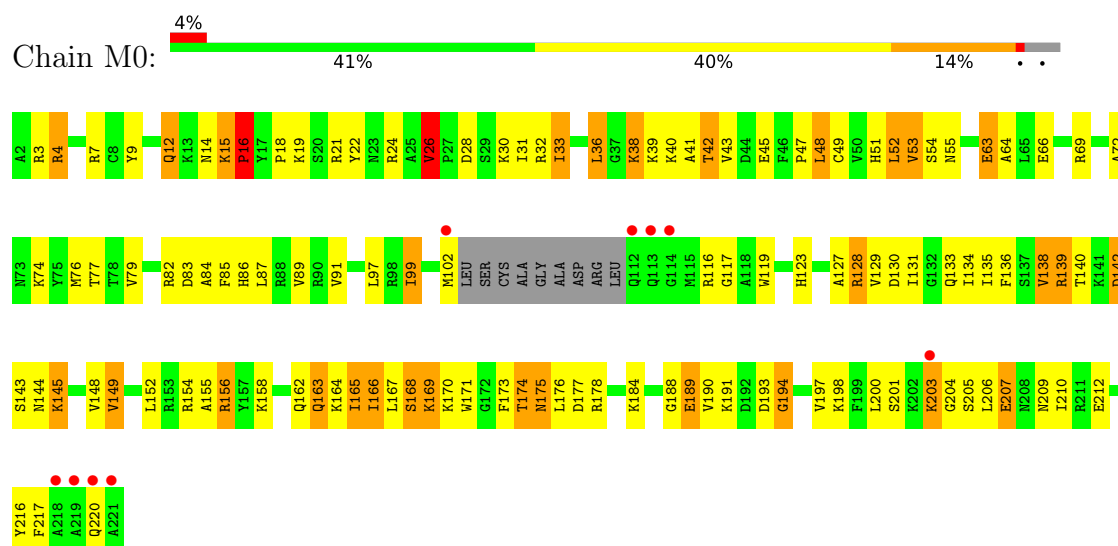
• Molecule 46: 60S ribosomal protein L9-A



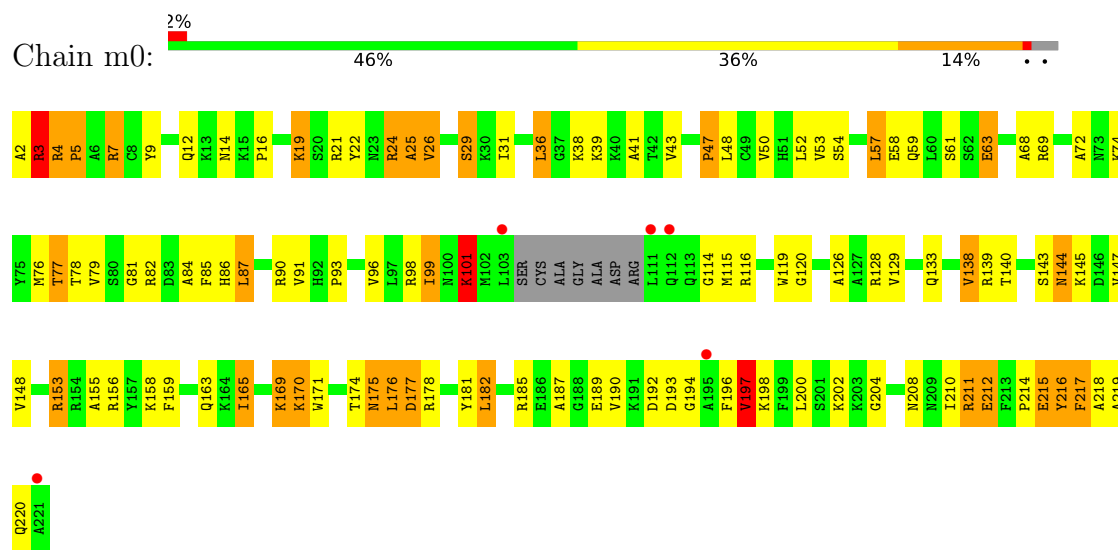
• Molecule 46: 60S ribosomal protein L9-A



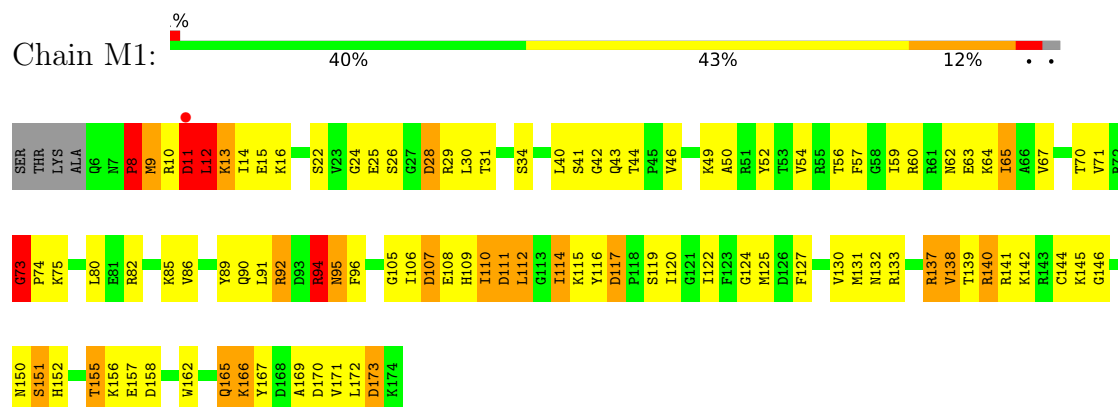
• Molecule 47: 60S ribosomal protein L10



• Molecule 47: 60S ribosomal protein L10

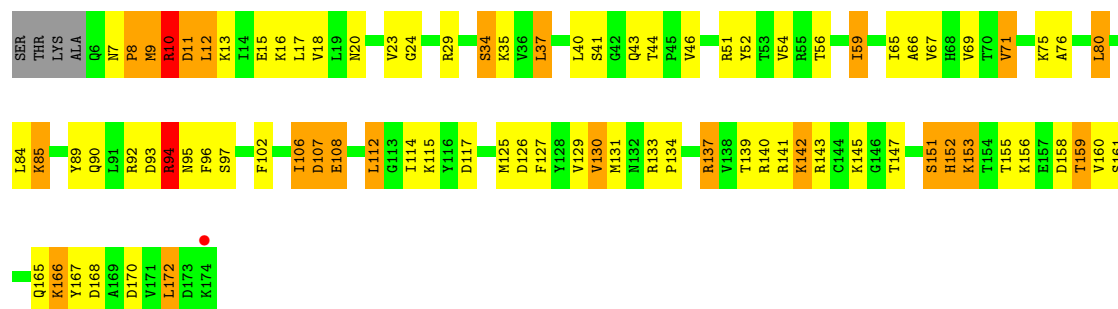


• Molecule 48: 60S ribosomal protein L11-B

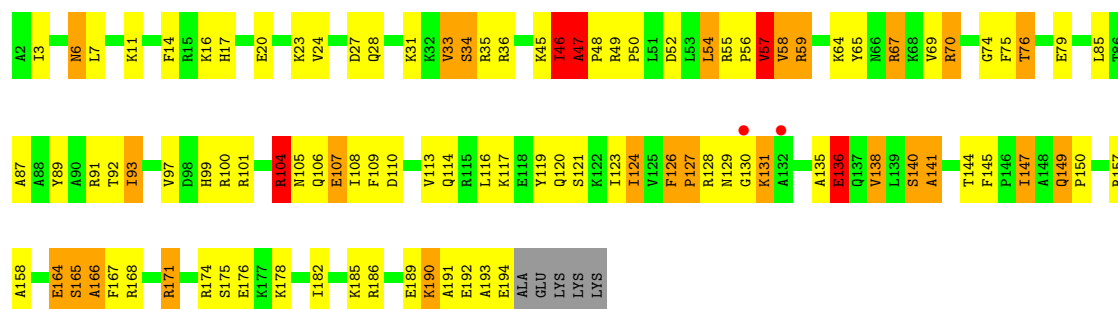


• Molecule 48: 60S ribosomal protein L11-B

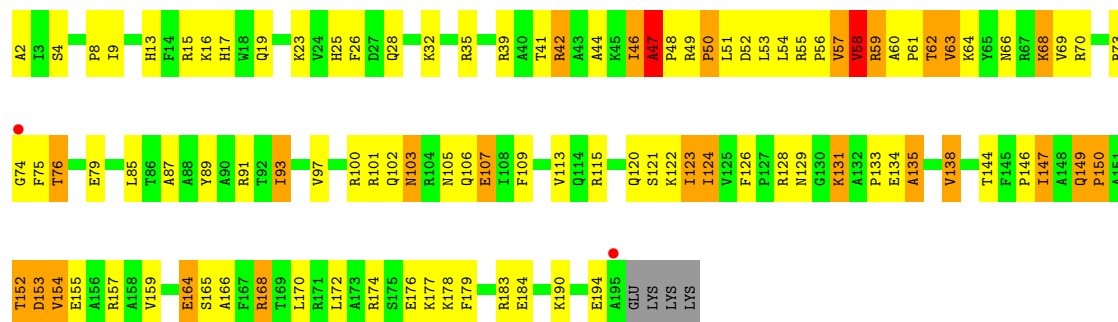




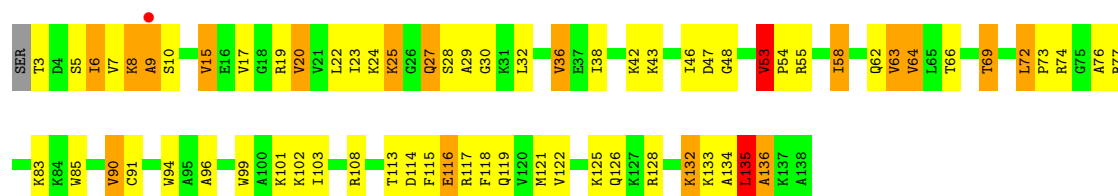
- Molecule 49: 60S ribosomal protein L13-A



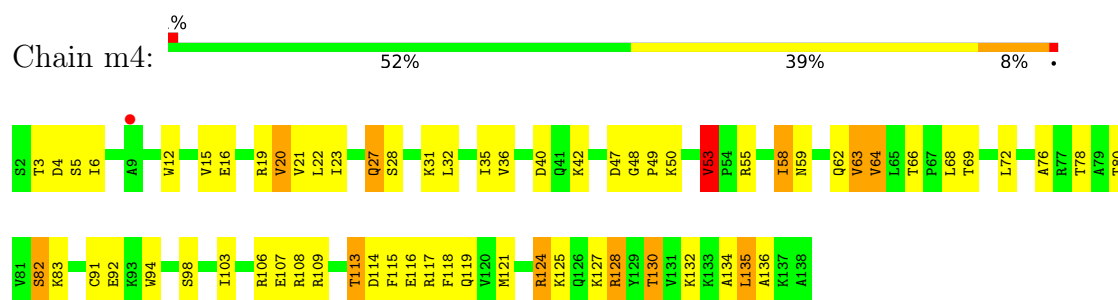
- Molecule 49: 60S ribosomal protein L13-A



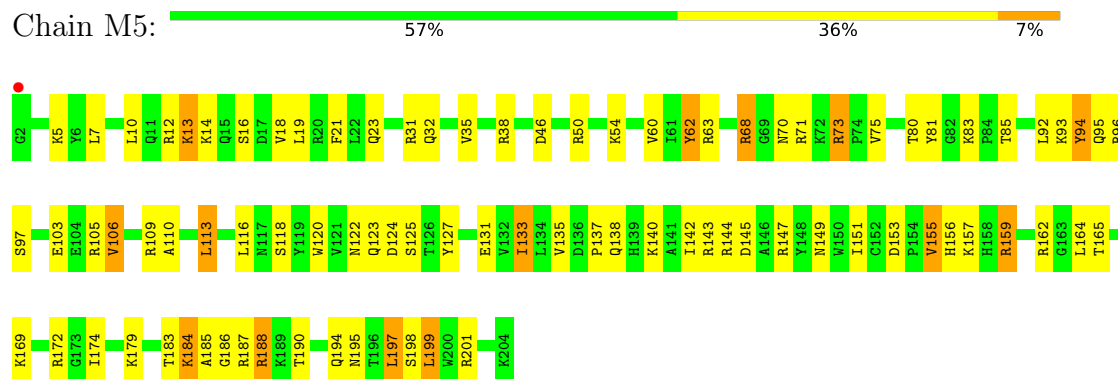
- Molecule 50: 60S ribosomal protein L14-A



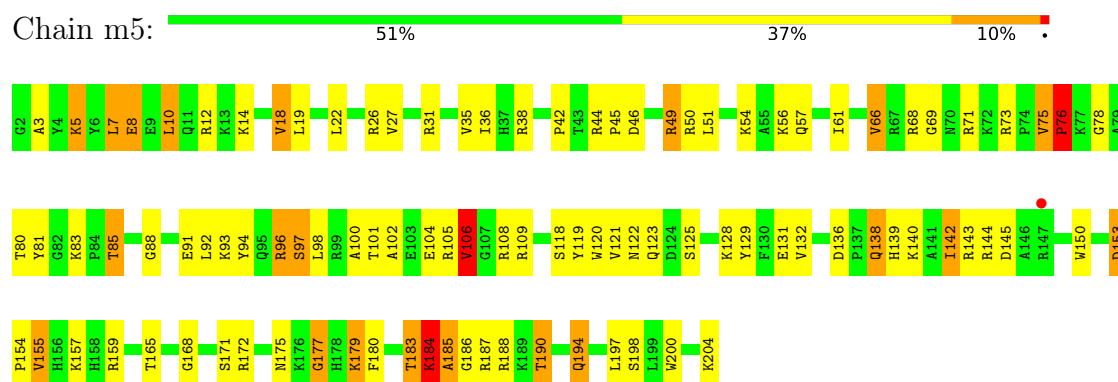
- Molecule 50: 60S ribosomal protein L14-A



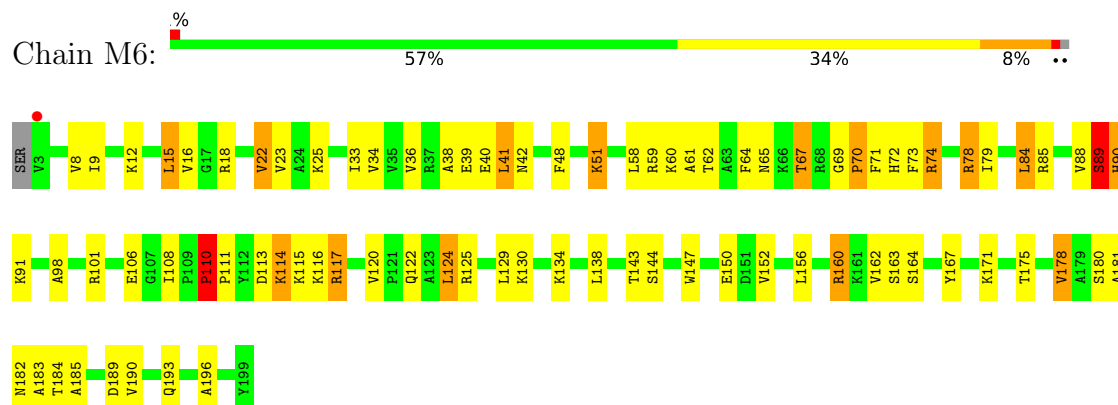
• Molecule 51: 60S ribosomal protein L15-A



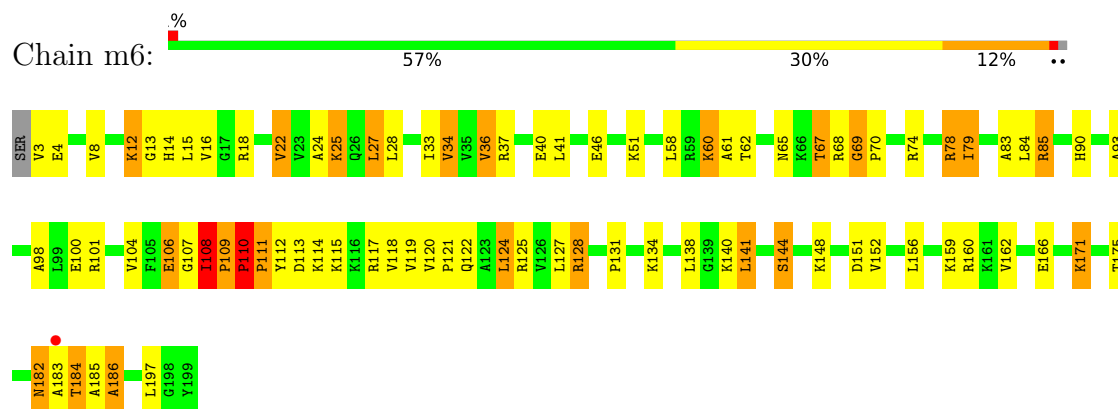
• Molecule 51: 60S ribosomal protein L15-A



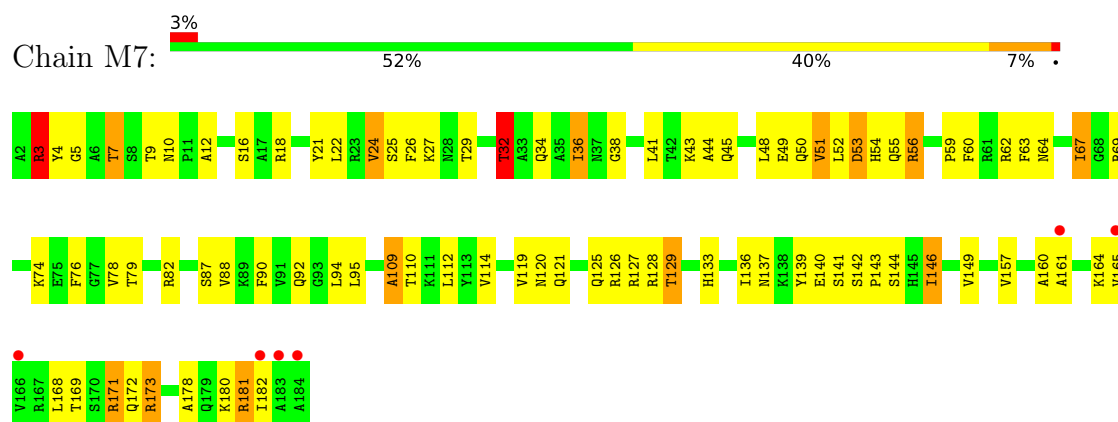
• Molecule 52: 60S ribosomal protein L16-A



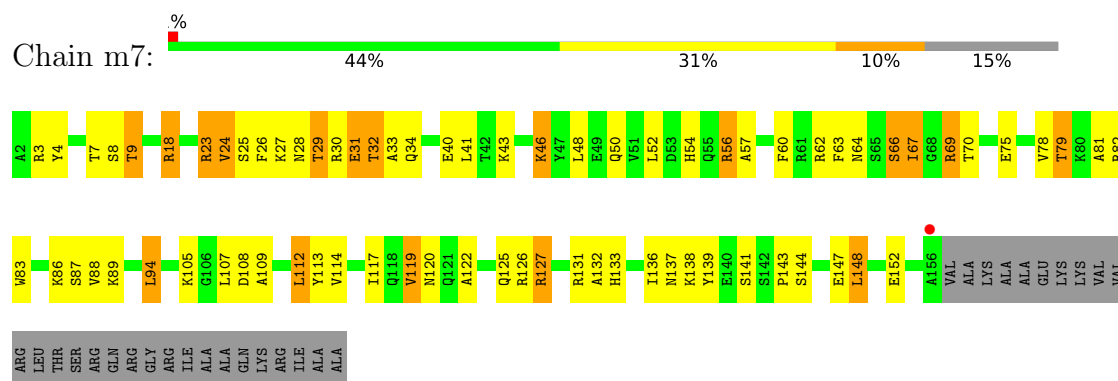
• Molecule 52: 60S ribosomal protein L16-A



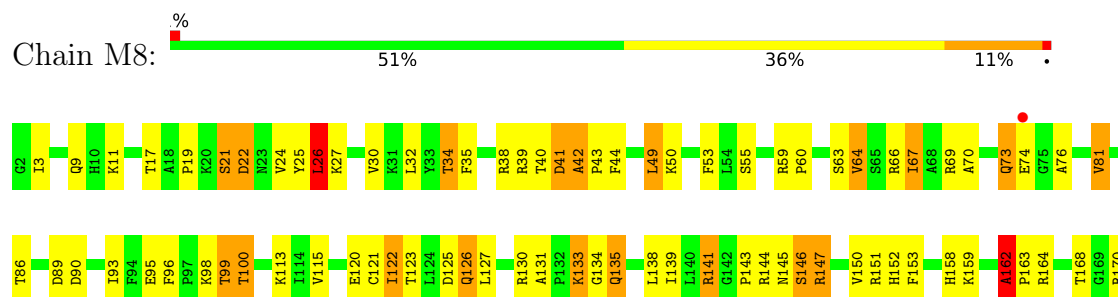
• Molecule 53: 60S ribosomal protein L17-A



• Molecule 53: 60S ribosomal protein L17-A



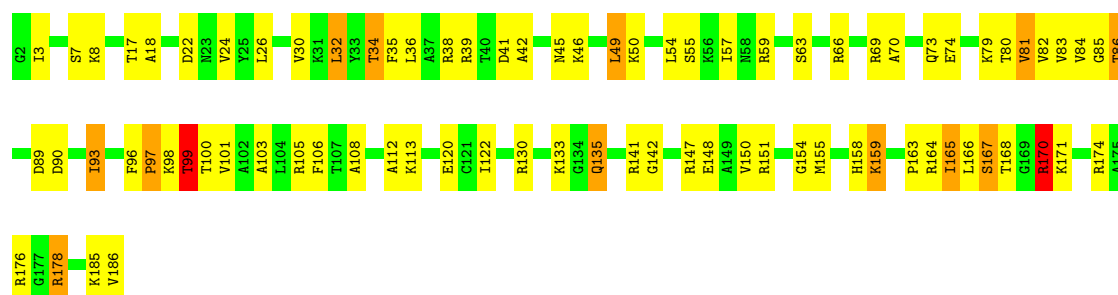
• Molecule 54: 60S ribosomal protein L18-A





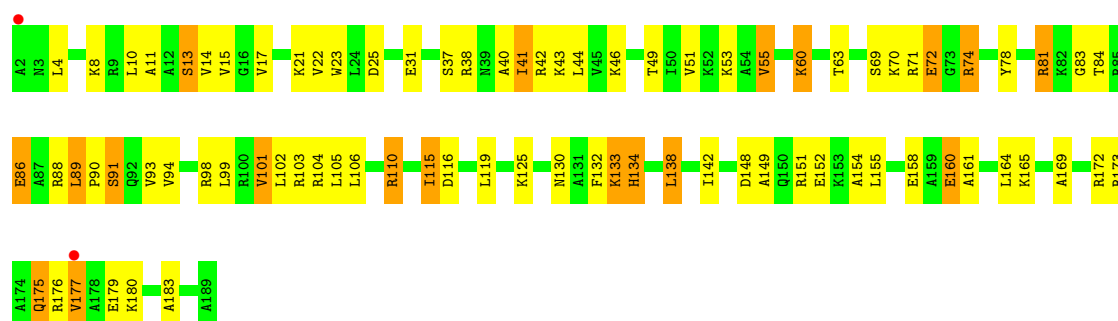
- Molecule 54: 60S ribosomal protein L18-A

Chain m8: 56% 37% 6% .



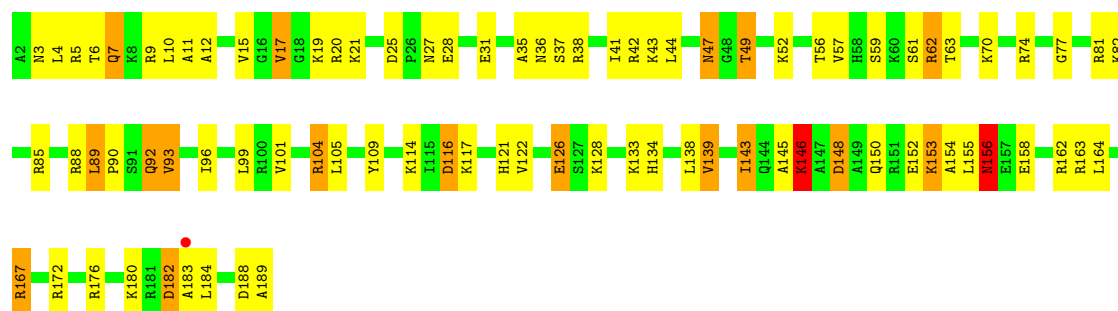
- Molecule 55: 60S ribosomal protein L19-A

Chain M9: % 56% 34% 10%



- Molecule 55: 60S ribosomal protein L19-A

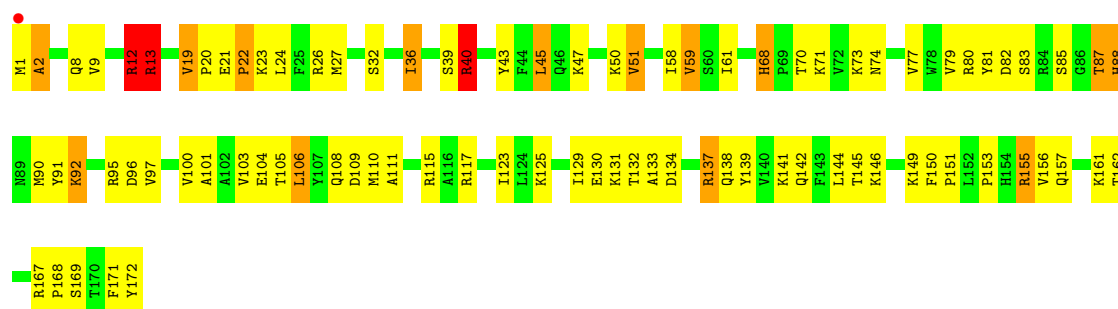
Chain m9: % 54% 36% 9% .



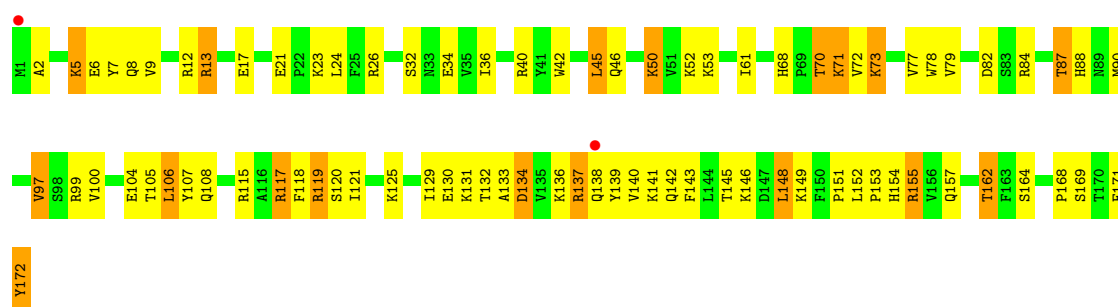
- Molecule 56: 60S ribosomal protein L20-A

Chain N0: % 49% 41% 8% .

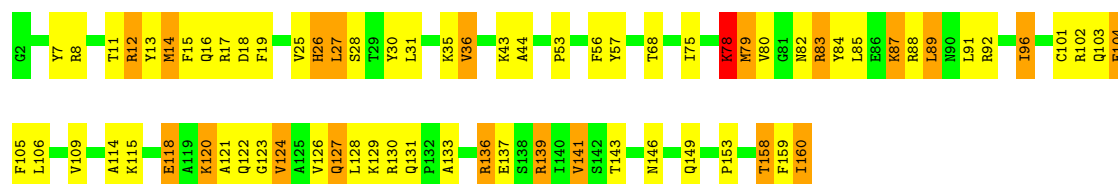




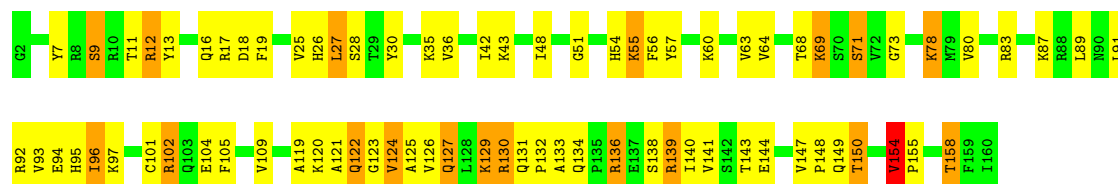
- Molecule 56: 60S ribosomal protein L20-A



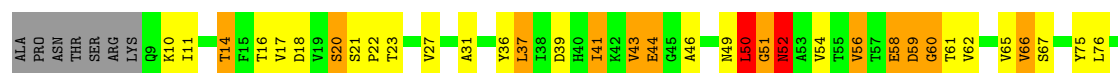
- Molecule 57: 60S ribosomal protein L21-A



- Molecule 57: 60S ribosomal protein L21-A



- Molecule 58: 60S ribosomal protein L22-A

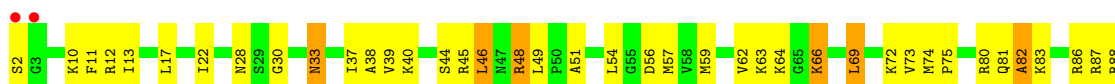




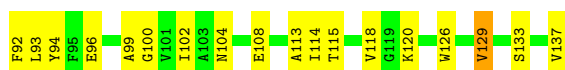
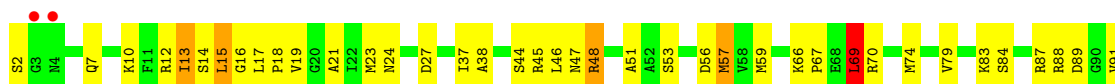
- Molecule 58: 60S ribosomal protein L22-A



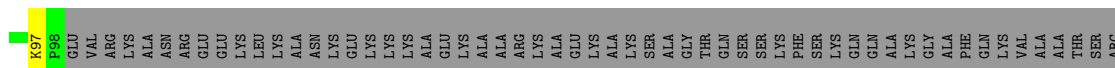
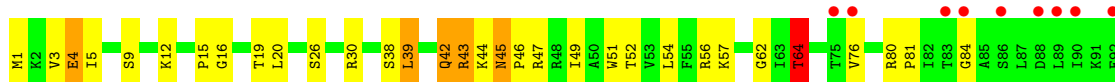
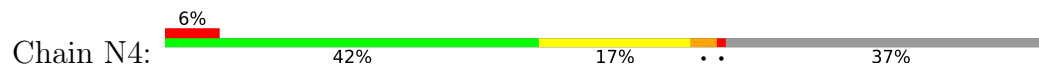
- Molecule 59: 60S ribosomal protein L23-A



- Molecule 59: 60S ribosomal protein L23-A

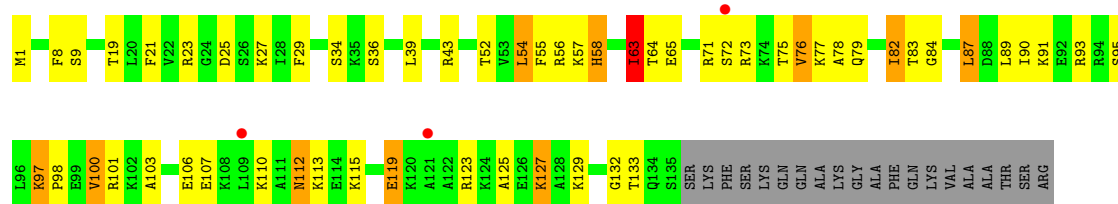


- Molecule 60: 60S ribosomal protein L24-A

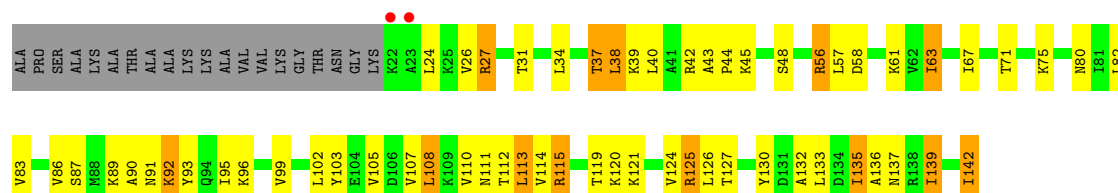
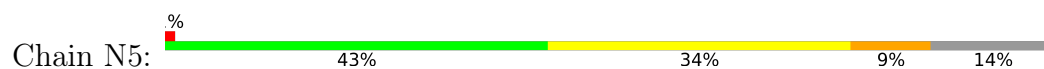


- Molecule 60: 60S ribosomal protein L24-A

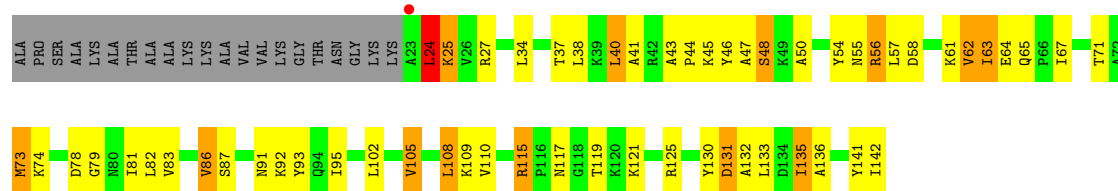
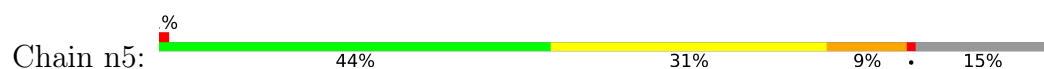




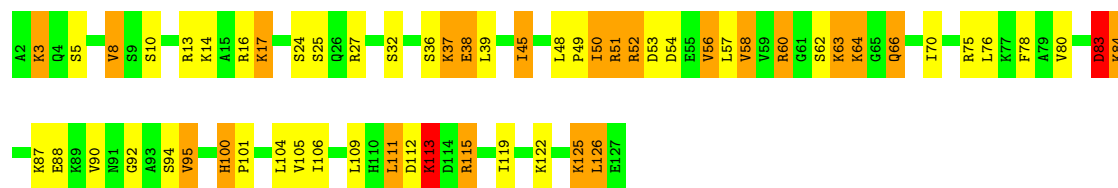
• Molecule 61: 60S ribosomal protein L25



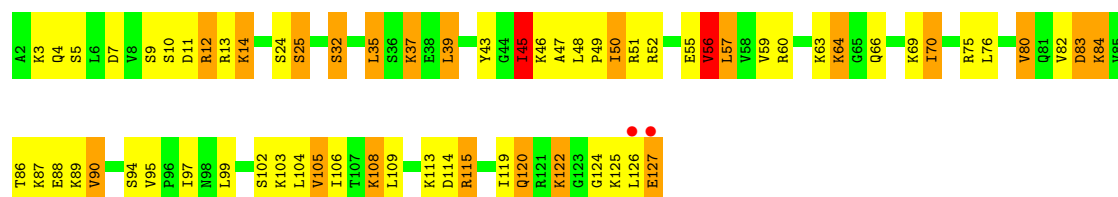
• Molecule 61: 60S ribosomal protein L25



• Molecule 62: 60S ribosomal protein L26-A



• Molecule 62: 60S ribosomal protein L26-A



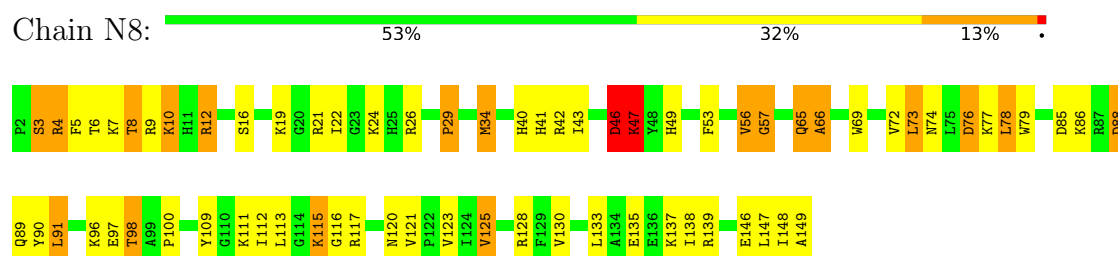
• Molecule 63: 60S ribosomal protein L27-A



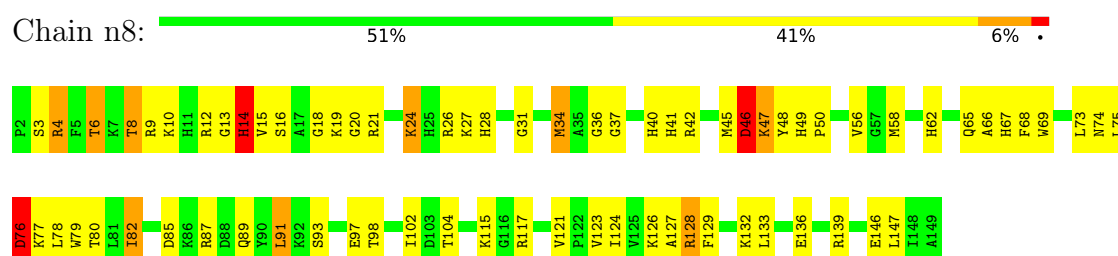
• Molecule 63: 60S ribosomal protein L27-A



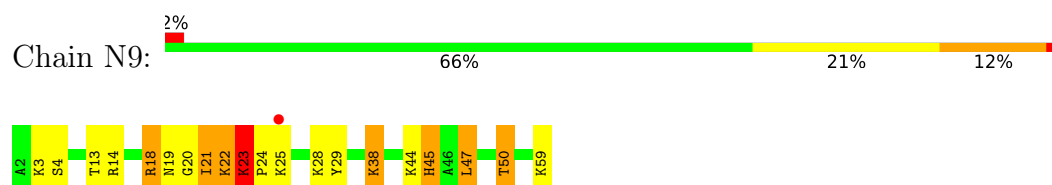
• Molecule 64: 60S ribosomal protein L28



• Molecule 64: 60S ribosomal protein L28

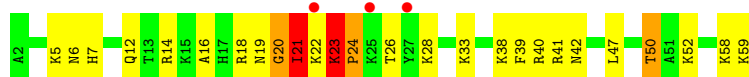


• Molecule 65: 60S ribosomal protein L29

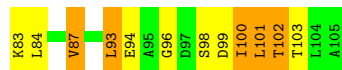


• Molecule 65: 60S ribosomal protein L29

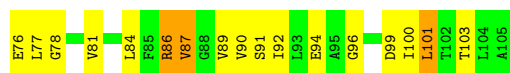
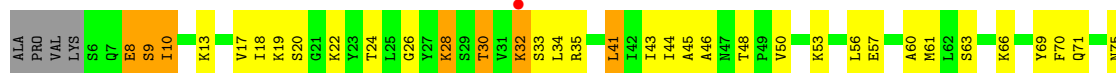




- Molecule 66: 60S ribosomal protein L30



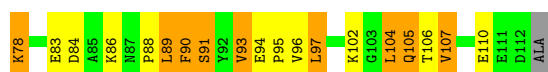
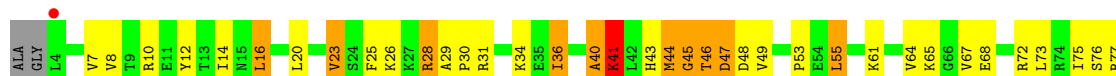
- Molecule 66: 60S ribosomal protein L30



- Molecule 67: 60S ribosomal protein L31-A

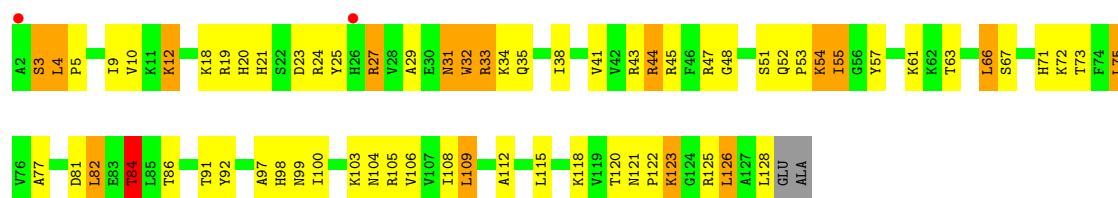


- Molecule 67: 60S ribosomal protein L31-A

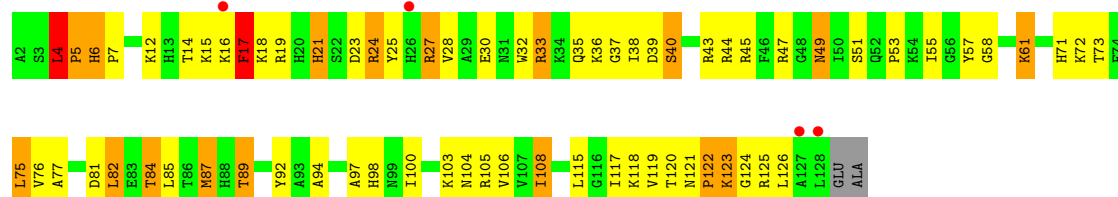
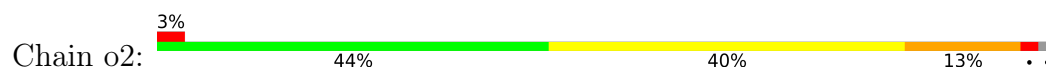


- Molecule 68: 60S ribosomal protein L32

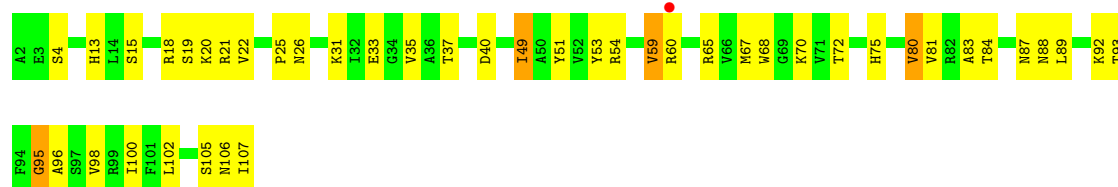




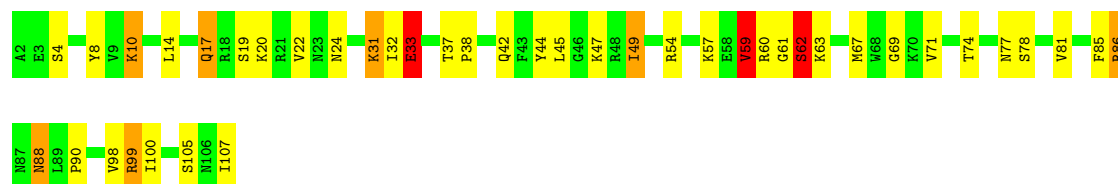
• Molecule 68: 60S ribosomal protein L32



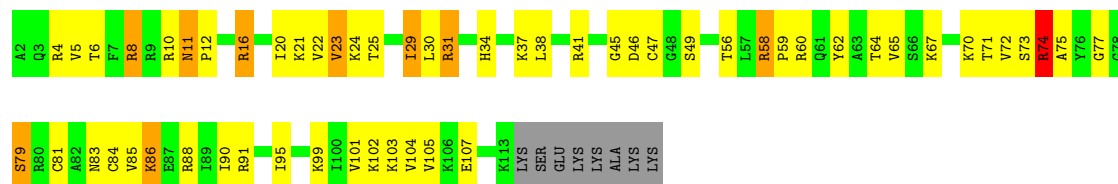
• Molecule 69: 60S ribosomal protein L33-A



• Molecule 69: 60S ribosomal protein L33-A

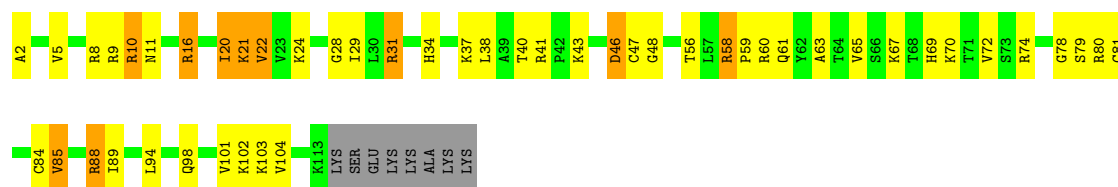


• Molecule 70: Large ribosomal subunit protein eL34A



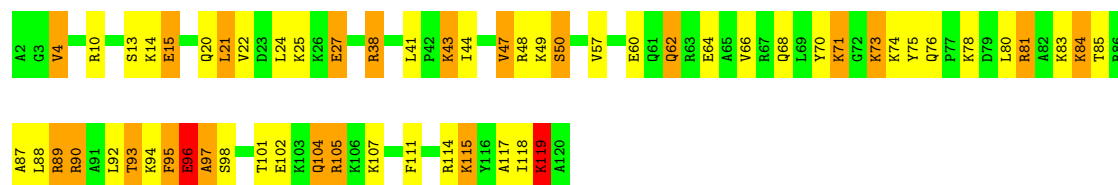
• Molecule 70: Large ribosomal subunit protein eL34A

Chain o4:  52% 32% 8% 7%



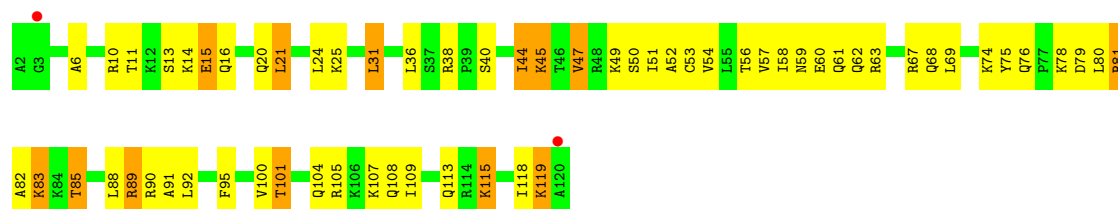
- Molecule 71: 60S ribosomal protein L35-A

Chain O5:  50% 30% 18%



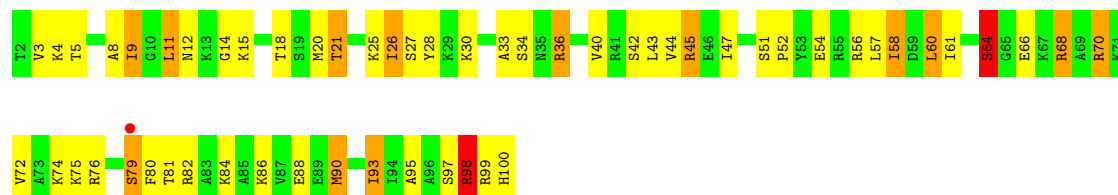
- Molecule 71: 60S ribosomal protein L35-A

Chain o5:  48% 41% 11%



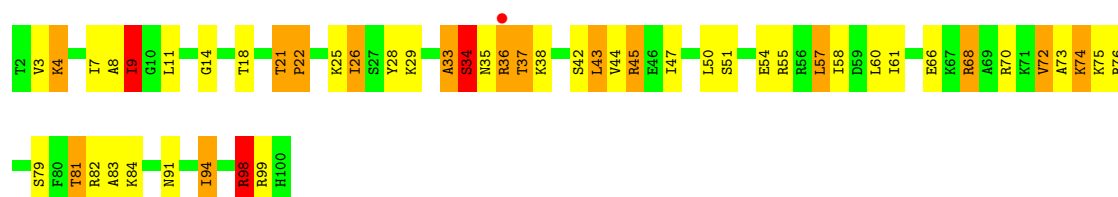
- Molecule 72: 60S ribosomal protein L36-A

Chain O6:  43% 41% 13%

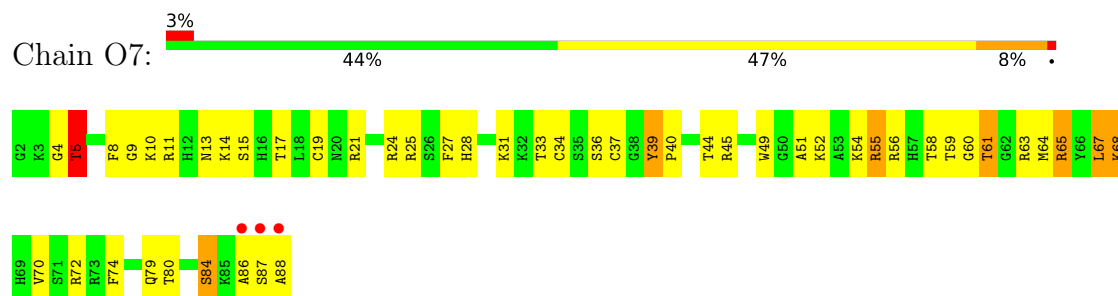


- Molecule 72: 60S ribosomal protein L36-A

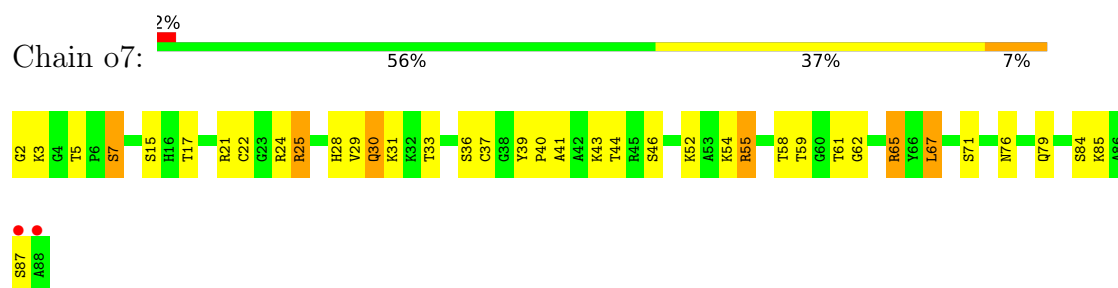
Chain o6:  49% 32% 15%



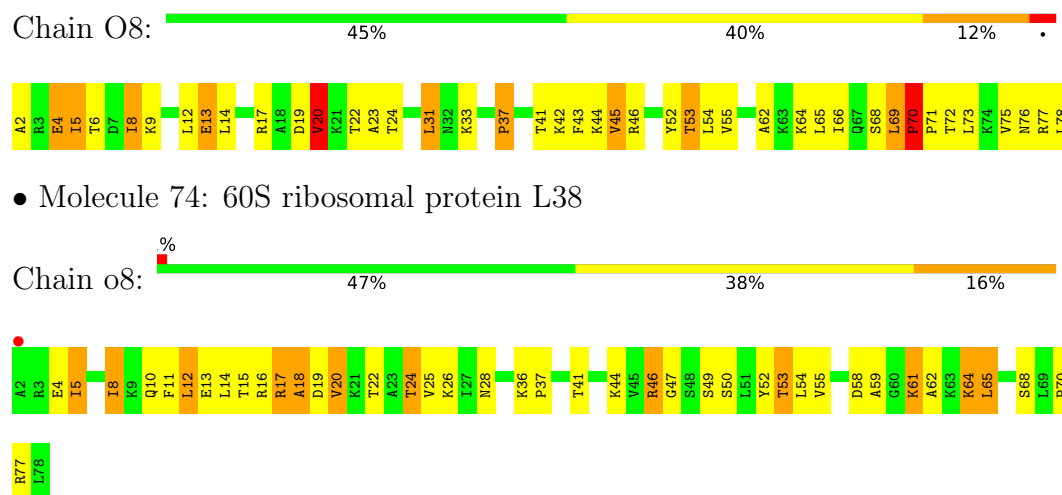
- Molecule 73: 60S ribosomal protein L37-A



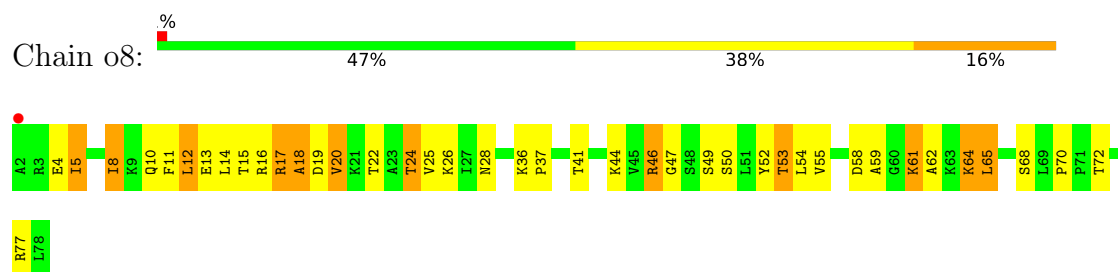
- Molecule 73: 60S ribosomal protein L37-A



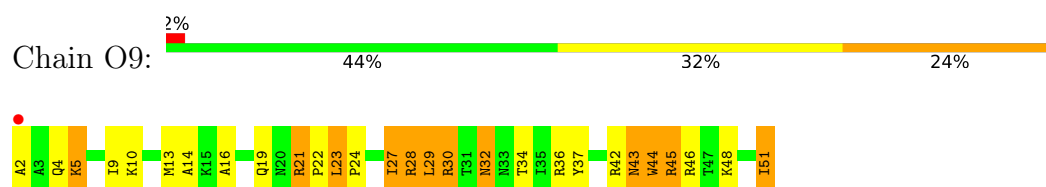
- Molecule 74: 60S ribosomal protein L38



- Molecule 74: 60S ribosomal protein L38

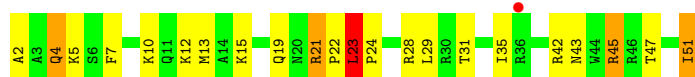


- Molecule 75: 60S ribosomal protein L39

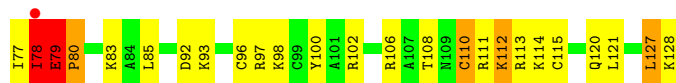


- Molecule 75: 60S ribosomal protein L39

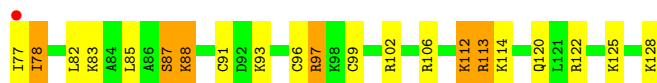




- Molecule 76: Ubiquitin-60S ribosomal protein L40



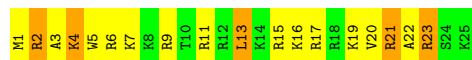
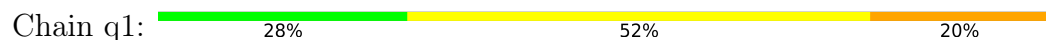
- Molecule 76: Ubiquitin-60S ribosomal protein L40



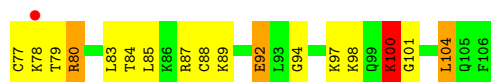
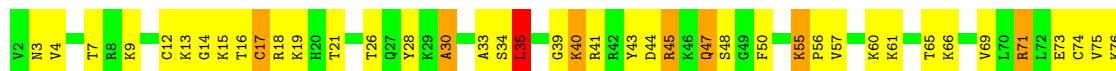
- Molecule 77: 60S ribosomal protein L41-A



- 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

Chain Q3: 56% 37% 5% •



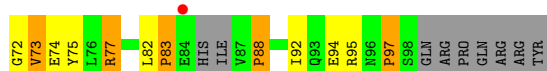
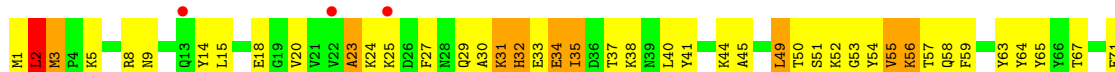
- Molecule 79: 60S ribosomal protein L43-A

Chain q3: 47% 46% 7%



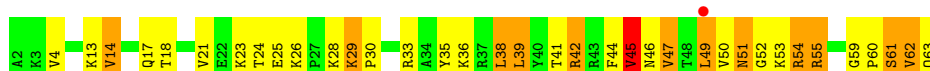
- Molecule 80: 40S ribosomal protein S10-A

Chain c0: 39% 38% 13% 9%



- Molecule 81: 40S ribosomal protein S30-A

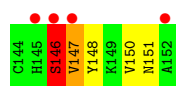
Chain e0: 42% 37% 19%



- Molecule 82: Ubiquitin-40S ribosomal protein S31

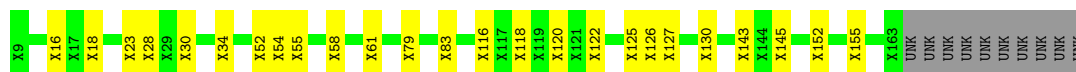
Chain e1: 32% 45% 18% 5%





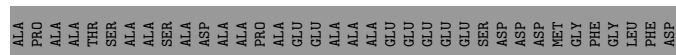
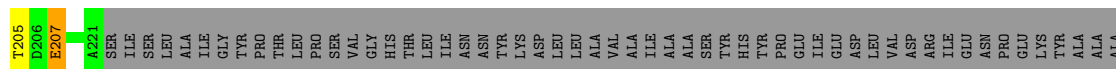
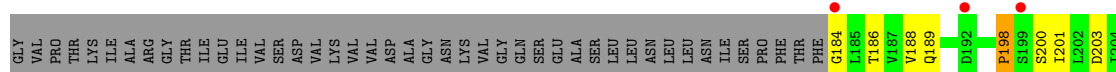
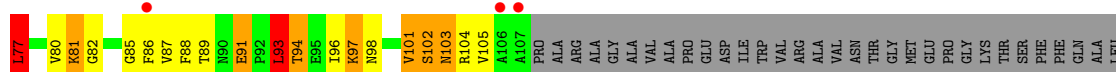
• Molecule 83: UNKNOWN PROTEIN m2

Chain m2: 78% 16% 6%



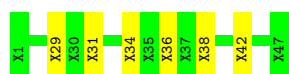
• Molecule 84: Large ribosomal subunit protein uL10

Chain p0: 2% 23% 16% 6% 54%



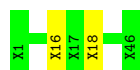
• Molecule 85: UNKNOWN PROTEIN p1

Chain p1: 87% 13%



• Molecule 86: UNKNOWN PROTEIN p2

Chain p2: 96% 4%



• Molecule 87: CCA trinucleotide

Chain A: 67% 33%



- Molecule 87: CCA trinucleotide

Chain B: 

C502
C503
A504

4 Data and refinement statistics

Property	Value	Source
Space group	P 1 21 1	Depositor
Cell constants a, b, c, α , β , γ	436.02Å 287.59Å 304.52Å 90.00° 99.02° 90.00°	Depositor
Resolution (Å)	49.82 – 3.20 49.82 – 3.20	Depositor EDS
% Data completeness (in resolution range)	100.0 (49.82-3.20) 99.9 (49.82-3.20)	Depositor EDS
R_{merge}	0.31	Depositor
R_{sym}	(Not available)	Depositor
$\langle I/\sigma(I) \rangle$ ¹	1.45 (at 3.19Å)	Xtriage
Refinement program	PHENIX (phenix.refine: 1.8.4_1496)	Depositor
R, R_{free}	0.181 , 0.237 0.183 , 0.237	Depositor DCC
R_{free} test set	24290 reflections (2.00%)	wwPDB-VP
Wilson B-factor (Å ²)	70.5	Xtriage
Anisotropy	0.157	Xtriage
Bulk solvent k_{sol} (e/Å ³), B_{sol} (Å ²)	0.31 , 84.6	EDS
L-test for twinning ²	$\langle L \rangle = 0.47$, $\langle L^2 \rangle = 0.30$	Xtriage
Estimated twinning fraction	No twinning to report.	Xtriage
F_o, F_c correlation	0.93	EDS
Total number of atoms	411288	wwPDB-VP
Average B, all atoms (Å ²)	70.0	wwPDB-VP

Xtriage's analysis on translational NCS is as follows: *The largest off-origin peak in the Patterson function is 1.44% 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 ⓘ

5.1 Standard geometry ⓘ

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

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	0.38	0/41698	0.60	5/64972 (0.0%)
1	6	0.45	0/42765	0.64	7/66634 (0.0%)
2	S0	0.56	0/1617	1.08	10/2215 (0.5%)
2	s0	0.66	0/1623	1.17	11/2222 (0.5%)
3	S1	0.49	0/1735	1.00	7/2335 (0.3%)
3	s1	0.63	0/1748	1.04	8/2352 (0.3%)
4	S2	0.61	1/1665 (0.1%)	1.03	5/2263 (0.2%)
4	s2	0.74	0/1665	1.13	10/2263 (0.4%)
5	S3	0.58	0/1759	1.10	11/2368 (0.5%)
5	s3	0.57	0/1759	0.98	8/2368 (0.3%)
6	S4	0.58	0/2109	1.07	12/2839 (0.4%)
6	s4	0.65	0/2109	1.10	14/2839 (0.5%)
7	S5	0.49	0/1629	0.97	4/2202 (0.2%)
7	s5	0.61	0/1629	1.11	9/2202 (0.4%)
8	S6	0.55	0/1823	0.95	3/2439 (0.1%)
8	s6	0.62	0/1779	0.99	5/2379 (0.2%)
9	S7	0.55	0/1506	1.04	8/2028 (0.4%)
9	s7	0.60	0/1516	1.15	12/2043 (0.6%)
10	S8	0.65	0/1514	1.10	7/2021 (0.3%)
10	s8	0.76	0/1514	1.08	2/2021 (0.1%)
11	S9	0.54	0/1519	1.02	5/2035 (0.2%)
11	s9	0.66	0/1519	1.13	11/2035 (0.5%)
12	C0	0.55	0/790	1.08	6/1069 (0.6%)
13	C1	0.68	0/1240	1.04	2/1675 (0.1%)
13	c1	0.76	0/1194	1.15	2/1610 (0.1%)
14	C2	0.51	0/900	0.99	2/1224 (0.2%)
14	c2	0.46	0/900	0.92	2/1224 (0.2%)
15	C3	0.60	0/1215	1.04	6/1638 (0.4%)
15	c3	0.70	1/1215 (0.1%)	1.13	3/1638 (0.2%)
16	C4	0.51	0/901	0.96	1/1217 (0.1%)
16	c4	0.68	0/960	1.13	5/1290 (0.4%)
17	C5	0.59	0/998	1.02	4/1341 (0.3%)

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	# Z >5	RMSZ	# Z >5
17	c5	0.61	0/1060	1.10	7/1426 (0.5%)
18	C6	0.56	0/1125	0.99	2/1510 (0.1%)
18	c6	0.62	0/1131	1.06	3/1518 (0.2%)
19	C7	0.57	0/935	1.07	2/1254 (0.2%)
19	c7	0.62	0/914	1.09	4/1224 (0.3%)
20	C8	0.56	0/1211	0.96	1/1628 (0.1%)
20	c8	0.62	0/1211	0.98	0/1628
21	C9	0.56	0/1130	1.04	4/1517 (0.3%)
21	c9	0.60	0/1130	1.07	2/1517 (0.1%)
22	D0	0.60	1/865 (0.1%)	1.03	2/1169 (0.2%)
22	d0	0.58	0/892	1.05	5/1205 (0.4%)
23	D1	0.51	0/693	0.92	0/935
23	d1	0.65	0/693	1.06	4/935 (0.4%)
24	D2	0.63	0/1038	1.12	7/1395 (0.5%)
24	d2	0.80	0/1038	1.13	3/1395 (0.2%)
25	D3	0.70	0/1139	1.12	8/1518 (0.5%)
25	d3	0.80	0/1139	1.10	4/1518 (0.3%)
26	D4	0.54	0/1087	0.95	0/1449
26	d4	0.65	0/1087	1.04	3/1449 (0.2%)
27	D5	0.53	0/571	1.08	2/768 (0.3%)
27	d5	0.56	0/566	1.06	2/761 (0.3%)
28	D6	0.56	0/782	0.97	3/1047 (0.3%)
28	d6	0.68	0/782	1.00	0/1047
29	D7	0.55	0/620	1.09	5/838 (0.6%)
29	d7	0.55	0/620	1.00	2/838 (0.2%)
30	D8	0.48	0/499	0.98	0/670
30	d8	0.49	0/499	0.99	1/670 (0.1%)
31	D9	0.59	0/452	0.94	0/600
31	d9	0.63	0/452	1.01	3/600 (0.5%)
32	E0	0.51	0/483	1.01	2/643 (0.3%)
33	E1	0.56	0/577	1.10	2/770 (0.3%)
34	SR	0.52	0/2494	0.98	8/3393 (0.2%)
34	sR	0.51	0/2495	0.89	1/3395 (0.0%)
35	SM	0.63	0/1113	1.04	2/1502 (0.1%)
35	sM	0.57	0/683	1.04	5/923 (0.5%)
36	1	0.54	0/75394	0.72	10/117545 (0.0%)
36	5	0.57	0/75414	0.72	11/117575 (0.0%)
37	3	0.47	0/2883	0.62	0/4491
37	7	0.56	0/2883	0.70	0/4491
38	4	0.54	0/3746	0.69	0/5832
38	8	0.50	0/3746	0.64	0/5832
39	L2	0.83	1/1948 (0.1%)	1.17	8/2617 (0.3%)
39	l2	0.82	0/1946	1.22	9/2614 (0.3%)

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	# Z >5	RMSZ	# Z >5
40	L3	0.78	0/3146	1.13	8/4228 (0.2%)
40	l3	0.96	0/3146	1.20	17/4228 (0.4%)
41	L4	0.89	1/2800 (0.0%)	1.24	18/3790 (0.5%)
41	l4	0.86	0/2800	1.25	22/3790 (0.6%)
42	L5	0.63	0/2425	1.02	8/3271 (0.2%)
42	l5	0.78	0/2408	1.11	9/3248 (0.3%)
43	L6	0.80	0/1260	1.09	0/1694
43	l6	0.81	0/1269	1.09	0/1705
44	L7	0.88	1/1821 (0.1%)	1.16	7/2451 (0.3%)
44	l7	0.86	0/1828	1.18	8/2461 (0.3%)
45	L8	0.65	0/1836	1.13	9/2481 (0.4%)
45	l8	0.65	0/1795	1.03	9/2429 (0.4%)
46	L9	0.73	0/1539	1.08	5/2073 (0.2%)
46	l9	0.88	0/1539	1.12	6/2073 (0.3%)
47	M0	0.80	1/1741 (0.1%)	1.09	8/2335 (0.3%)
47	m0	0.83	1/1758 (0.1%)	1.17	9/2358 (0.4%)
48	M1	0.61	0/1374	1.03	2/1842 (0.1%)
48	m1	0.75	0/1374	1.14	4/1842 (0.2%)
49	M3	0.92	3/1568 (0.2%)	1.22	13/2106 (0.6%)
49	m3	0.82	0/1573	1.18	7/2113 (0.3%)
50	M4	0.82	0/1068	1.12	3/1438 (0.2%)
50	m4	0.87	0/1074	1.19	2/1446 (0.1%)
51	M5	0.79	0/1757	1.09	4/2354 (0.2%)
51	m5	0.77	0/1757	1.11	9/2354 (0.4%)
52	M6	0.87	0/1585	1.22	8/2128 (0.4%)
52	m6	1.03	1/1585 (0.1%)	1.33	15/2128 (0.7%)
53	M7	0.83	0/1443	1.11	3/1944 (0.2%)
53	m7	0.98	1/1250 (0.1%)	1.17	3/1683 (0.2%)
54	M8	0.90	0/1465	1.34	18/1965 (0.9%)
54	m8	0.83	0/1465	1.21	11/1965 (0.6%)
55	M9	0.66	0/1538	1.00	1/2050 (0.0%)
55	m9	0.73	0/1538	1.03	5/2050 (0.2%)
56	N0	0.80	0/1481	1.13	4/1990 (0.2%)
56	n0	0.92	0/1481	1.15	6/1990 (0.3%)
57	N1	0.79	0/1300	1.06	3/1743 (0.2%)
57	n1	0.89	0/1300	1.15	4/1743 (0.2%)
58	N2	0.51	0/812	0.99	2/1099 (0.2%)
58	n2	0.54	0/794	1.00	3/1076 (0.3%)
59	N3	0.76	0/1018	1.10	1/1369 (0.1%)
59	n3	0.86	0/1018	1.22	7/1369 (0.5%)
60	N4	0.65	0/712	1.33	2/958 (0.2%)
60	n4	0.81	0/1052	1.08	6/1398 (0.4%)
61	N5	0.68	0/979	1.05	2/1321 (0.2%)

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	# Z >5	RMSZ	# Z >5
61	n5	0.71	0/974	1.10	3/1314 (0.2%)
62	N6	0.80	0/1004	1.16	7/1341 (0.5%)
62	n6	0.74	0/1004	1.11	1/1341 (0.1%)
63	N7	0.58	0/1118	1.01	3/1497 (0.2%)
63	n7	0.58	0/1118	1.00	5/1497 (0.3%)
64	N8	0.89	1/1204 (0.1%)	1.20	5/1612 (0.3%)
64	n8	0.87	0/1204	1.23	8/1612 (0.5%)
65	N9	0.77	0/473	1.19	3/629 (0.5%)
65	n9	0.88	0/473	1.36	3/629 (0.5%)
66	O0	0.56	0/751	0.95	1/1008 (0.1%)
66	o0	0.59	0/775	0.96	1/1040 (0.1%)
67	O1	0.71	0/890	1.09	6/1196 (0.5%)
67	o1	0.79	0/897	1.18	2/1205 (0.2%)
68	O2	0.97	2/1041 (0.2%)	1.23	5/1394 (0.4%)
68	o2	0.95	1/1041 (0.1%)	1.28	3/1394 (0.2%)
69	O3	0.96	0/868	1.17	2/1168 (0.2%)
69	o3	0.97	2/868 (0.2%)	1.19	3/1168 (0.3%)
70	O4	0.73	0/890	1.15	4/1189 (0.3%)
70	o4	0.71	0/890	1.19	5/1189 (0.4%)
71	O5	0.80	0/978	1.12	1/1301 (0.1%)
71	o5	0.67	0/974	0.97	0/1297
72	O6	0.74	0/778	1.13	4/1034 (0.4%)
72	o6	0.68	0/777	1.10	3/1033 (0.3%)
73	O7	0.85	0/696	1.28	7/923 (0.8%)
73	o7	0.81	0/696	1.15	2/923 (0.2%)
74	O8	0.56	0/618	1.07	6/826 (0.7%)
74	o8	0.56	0/614	0.99	0/822
75	O9	0.84	0/443	1.18	5/588 (0.9%)
75	o9	0.84	0/443	1.11	2/588 (0.3%)
76	Q0	0.75	0/423	1.13	2/562 (0.4%)
76	q0	0.97	0/423	1.14	0/562
77	Q1	0.75	0/234	1.07	1/300 (0.3%)
77	q1	0.79	0/234	1.06	0/300
78	Q2	0.87	0/860	1.19	6/1136 (0.5%)
78	q2	0.80	0/860	1.10	3/1136 (0.3%)
79	Q3	0.83	0/701	1.09	0/934
79	q3	0.78	0/701	1.14	1/934 (0.1%)
80	c0	0.50	0/777	0.96	4/1049 (0.4%)
81	e0	0.64	0/499	1.13	2/665 (0.3%)
82	e1	0.55	0/619	1.09	5/822 (0.6%)
84	p0	0.52	0/1092	1.00	5/1474 (0.3%)
87	A	0.61	0/68	0.80	0/103
87	B	0.52	0/68	0.80	0/103

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	# Z >5	RMSZ	# Z >5
All	All	0.61	19/430210 (0.0%)	0.87	764/631570 (0.1%)

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

Mol	Chain	#Chirality outliers	#Planarity outliers
3	s1	0	1
7	s5	0	2
9	S7	0	1
9	s7	0	1
10	s8	0	1
13	C1	0	1
15	c3	0	1
16	C4	0	1
17	c5	0	1
18	C6	0	1
18	c6	0	1
19	C7	0	2
19	c7	0	3
22	d0	0	1
25	D3	0	1
26	d4	0	2
27	D5	0	3
27	d5	0	1
33	E1	0	1
39	L2	0	1
39	l2	0	2
42	l5	0	2
43	l6	0	1
44	l7	0	2
45	L8	0	2
48	M1	0	2
51	m5	0	1
52	M6	0	1
52	m6	0	1
56	N0	0	2
56	n0	0	1
57	N1	0	1
60	n4	0	1
63	n7	0	1

Continued on next page...

Continued from previous page...

Mol	Chain	#Chirality outliers	#Planarity outliers
64	n8	0	2
65	N9	0	1
65	n9	0	1
82	e1	0	1
All	All	0	52

The worst 5 of 19 bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
47	M0	127	ALA	CA-CB	-6.33	1.44	1.53
15	c3	60	VAL	CA-CB	6.31	1.60	1.53
49	M3	6	ASN	CA-C	-5.95	1.46	1.53
52	m6	104	VAL	CA-CB	5.89	1.62	1.54
39	L2	5	ILE	CA-CB	-5.77	1.46	1.54

The worst 5 of 764 bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
60	N4	80	ARG	CA-C-N	17.32	141.50	119.84
60	N4	80	ARG	C-N-CA	17.32	141.50	119.84
68	o2	4	LEU	CA-C-N	-15.45	100.53	119.84
68	o2	4	LEU	C-N-CA	-15.45	100.53	119.84
45	L8	158	ASP	CA-C-N	-14.13	102.18	119.84

There are no chirality outliers.

5 of 52 planarity outliers are listed below:

Mol	Chain	Res	Type	Group
13	C1	127	GLN	Peptide
16	C4	124	ASP	Peptide
18	C6	40	GLU	Peptide
19	C7	22	PRO	Peptide
9	S7	131	PHE	Peptide

5.2 Too-close contacts

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

Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
1	2	37283	0	18758	896	0
1	6	38238	0	19240	866	0
2	S0	1577	0	1567	89	0
2	s0	1583	0	1578	90	0
3	S1	1709	0	1784	123	0
3	s1	1722	0	1793	89	0
4	S2	1635	0	1723	67	0
4	s2	1635	0	1723	61	0
5	S3	1734	0	1817	63	0
5	s3	1734	0	1817	54	0
6	S4	2068	0	2154	102	0
6	s4	2068	0	2154	98	0
7	S5	1609	0	1675	81	0
7	s5	1609	0	1675	84	0
8	S6	1799	0	1879	67	0
8	s6	1755	0	1846	79	0
9	S7	1481	0	1572	75	0
9	s7	1491	0	1578	62	0
10	S8	1489	0	1525	75	0
10	s8	1489	0	1525	64	0
11	S9	1494	0	1573	74	0
11	s9	1494	0	1573	85	0
12	C0	773	0	729	51	0
13	C1	1214	0	1259	66	0
13	c1	1168	0	1231	45	0
14	C2	892	0	891	40	0
14	c2	892	0	891	30	0
15	C3	1192	0	1255	46	0
15	c3	1192	0	1255	53	0
16	C4	891	0	883	55	0
16	c4	949	0	985	54	0
17	C5	977	0	1002	41	0
17	c5	1039	0	1050	56	0
18	C6	1105	0	1166	73	0
18	c6	1111	0	1171	46	0
19	C7	926	0	930	52	0
19	c7	906	0	909	48	0
20	C8	1192	0	1222	51	0
20	c8	1192	0	1222	67	0
21	C9	1112	0	1124	59	0
21	c9	1112	0	1124	47	0
22	D0	855	0	917	50	0
22	d0	882	0	939	45	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
23	D1	684	0	672	43	0
23	d1	684	0	672	39	0
24	D2	1021	0	1060	53	0
24	d2	1021	0	1060	45	0
25	D3	1121	0	1196	57	0
25	d3	1121	0	1196	34	0
26	D4	1073	0	1132	51	0
26	d4	1073	0	1132	49	0
27	D5	563	0	603	41	0
27	d5	558	0	598	30	0
28	D6	769	0	814	54	0
28	d6	769	0	815	52	0
29	D7	610	0	630	23	0
29	d7	610	0	631	31	0
30	D8	497	0	535	29	0
30	d8	497	0	535	22	0
31	D9	442	0	428	13	0
31	d9	442	0	428	21	0
32	E0	475	0	525	16	0
33	E1	566	0	602	31	0
34	SR	2441	0	2397	114	0
34	sR	2442	0	2392	88	0
35	SM	1104	0	996	46	0
35	sM	680	0	607	32	0
36	1	67355	0	33846	1238	0
36	5	67376	0	33861	1209	0
37	3	2579	0	1304	45	0
37	7	2579	0	1304	50	0
38	4	3353	0	1695	61	0
38	8	3353	0	1695	71	0
39	L2	1914	0	1981	79	0
39	l2	1912	0	1976	90	0
40	L3	3075	0	3142	141	0
40	l3	3075	0	3142	153	0
41	L4	2748	0	2859	119	0
41	l4	2748	0	2859	114	0
42	L5	2375	0	2325	106	0
42	l5	2359	0	2311	90	0
43	L6	1239	0	1326	40	0
43	l6	1248	0	1339	56	0
44	L7	1784	0	1862	85	0
44	l7	1791	0	1869	59	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
45	L8	1804	0	1877	67	0
45	l8	1763	0	1819	72	0
46	L9	1518	0	1587	67	0
46	l9	1518	0	1587	78	0
47	M0	1705	0	1736	84	0
47	m0	1722	0	1755	90	0
48	M1	1353	0	1383	66	0
48	m1	1353	0	1383	46	0
49	M3	1543	0	1608	76	0
49	m3	1548	0	1613	74	0
50	M4	1053	0	1149	58	0
50	m4	1059	0	1154	43	0
51	M5	1720	0	1779	63	0
51	m5	1720	0	1779	67	0
52	M6	1555	0	1659	51	0
52	m6	1555	0	1659	61	0
53	M7	1420	0	1437	57	0
53	m7	1227	0	1236	53	0
54	M8	1441	0	1543	63	0
54	m8	1441	0	1543	49	0
55	M9	1521	0	1616	57	0
55	m9	1521	0	1617	54	0
56	N0	1445	0	1487	58	0
56	n0	1445	0	1487	56	0
57	N1	1276	0	1323	58	0
57	n1	1276	0	1323	54	0
58	N2	796	0	812	26	0
58	n2	778	0	791	27	0
59	N3	1003	0	1048	44	0
59	n3	1003	0	1048	35	0
60	N4	699	0	640	17	0
60	n4	1038	0	1071	31	0
61	N5	964	0	1025	36	0
61	n5	959	0	1023	31	0
62	N6	993	0	1081	41	0
62	n6	993	0	1081	49	0
63	N7	1092	0	1155	61	0
63	n7	1092	0	1155	52	0
64	N8	1173	0	1215	51	0
64	n8	1173	0	1215	51	0
65	N9	462	0	491	17	0
65	n9	462	0	491	16	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
66	O0	743	0	797	31	0
66	o0	767	0	816	36	0
67	O1	876	0	912	29	0
67	o1	883	0	918	35	0
68	O2	1020	0	1090	44	0
68	o2	1020	0	1090	51	0
69	O3	850	0	880	29	0
69	o3	850	0	880	23	0
70	O4	880	0	945	42	0
70	o4	880	0	945	32	0
71	O5	969	0	1078	47	0
71	o5	965	0	1067	39	0
72	O6	771	0	849	43	0
72	o6	770	0	846	31	0
73	O7	681	0	683	30	0
73	o7	681	0	683	24	0
74	O8	612	0	682	22	0
74	o8	608	0	671	30	0
75	O9	436	0	475	21	0
75	o9	436	0	475	18	0
76	Q0	417	0	455	13	0
76	q0	417	0	456	13	0
77	Q1	233	0	284	12	0
77	q1	233	0	284	14	0
78	Q2	847	0	915	33	0
78	q2	847	0	915	38	0
79	Q3	694	0	734	30	0
79	q3	694	0	734	29	0
80	c0	762	0	699	34	0
81	e0	491	0	542	20	0
82	e1	608	0	654	35	0
83	m2	750	0	178	13	0
84	p0	1077	0	1041	49	0
85	p1	235	0	50	5	0
86	p2	230	0	52	1	0
87	A	62	0	34	1	0
87	B	62	0	34	2	0
88	1	472	0	0	0	0
88	2	123	0	0	0	0
88	3	14	0	0	0	0
88	4	19	0	0	0	0
88	5	503	0	0	0	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
88	6	145	0	0	0	0
88	7	14	0	0	0	0
88	8	17	0	0	0	0
88	C8	1	0	0	0	0
88	L2	2	0	0	0	0
88	L3	4	0	0	0	0
88	L4	1	0	0	0	0
88	L5	1	0	0	0	0
88	L7	4	0	0	0	0
88	L8	1	0	0	0	0
88	M0	2	0	0	0	0
88	M1	1	0	0	0	0
88	M3	2	0	0	0	0
88	M5	4	0	0	0	0
88	M6	1	0	0	0	0
88	M7	5	0	0	0	0
88	M9	2	0	0	0	0
88	N0	1	0	0	0	0
88	N3	3	0	0	0	0
88	N5	1	0	0	0	0
88	N8	5	0	0	0	0
88	O2	1	0	0	0	0
88	O4	1	0	0	0	0
88	O5	1	0	0	0	0
88	O7	1	0	0	0	0
88	S4	2	0	0	0	0
88	S6	1	0	0	0	0
88	S8	1	0	0	0	0
88	c1	1	0	0	0	0
88	c7	2	0	0	0	0
88	c8	1	0	0	0	0
88	c9	1	0	0	0	0
88	d3	1	0	0	0	0
88	d4	1	0	0	0	0
88	d6	1	0	0	0	0
88	l2	1	0	0	0	0
88	l3	4	0	0	0	0
88	l4	2	0	0	0	0
88	l5	2	0	0	0	0
88	l7	2	0	0	0	0
88	m1	1	0	0	0	0
88	m5	4	0	0	0	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
88	m6	2	0	0	0	0
88	m7	5	0	0	0	0
88	n0	2	0	0	0	0
88	n3	2	0	0	0	0
88	n6	2	0	0	0	0
88	n8	3	0	0	0	0
88	o1	1	0	0	0	0
88	o3	1	0	0	0	0
88	o4	1	0	0	0	0
88	q0	1	0	0	0	0
88	q1	1	0	0	0	0
88	q3	2	0	0	0	0
88	s1	1	0	0	0	0
88	s4	1	0	0	0	0
88	s8	2	0	0	0	0
88	sM	1	0	0	0	0
89	1	2478	0	0	145	0
89	2	1106	0	0	73	0
89	3	77	0	0	1	0
89	4	98	0	0	6	0
89	5	2506	0	0	157	0
89	6	1113	0	0	73	0
89	7	84	0	0	5	0
89	8	98	0	0	11	0
89	C3	7	0	0	0	0
89	C5	7	0	0	2	0
89	C8	7	0	0	0	0
89	D3	7	0	0	0	0
89	D9	7	0	0	0	0
89	L3	21	0	0	1	0
89	L4	7	0	0	3	0
89	M0	7	0	0	0	0
89	M5	7	0	0	1	0
89	M7	14	0	0	1	0
89	M8	7	0	0	0	0
89	M9	7	0	0	0	0
89	N9	7	0	0	0	0
89	O3	7	0	0	0	0
89	O7	14	0	0	2	0
89	S8	7	0	0	1	0
89	SR	7	0	0	0	0
89	c1	7	0	0	1	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
89	c3	7	0	0	1	0
89	c5	7	0	0	3	0
89	c8	7	0	0	0	0
89	d4	7	0	0	0	0
89	d9	7	0	0	0	0
89	l3	21	0	0	1	0
89	l4	14	0	0	1	0
89	l5	28	0	0	0	0
89	l9	7	0	0	0	0
89	m0	14	0	0	1	0
89	m1	7	0	0	1	0
89	m4	7	0	0	0	0
89	m5	7	0	0	0	0
89	m6	7	0	0	0	0
89	n3	14	0	0	0	0
89	n9	7	0	0	0	0
89	o3	7	0	0	1	0
89	o7	7	0	0	1	0
89	q2	7	0	0	2	0
89	s1	14	0	0	1	0
89	s8	7	0	0	1	0
89	sR	7	0	0	0	0
90	D6	1	0	0	0	0
90	D7	1	0	0	0	0
90	D9	1	0	0	0	0
90	E1	1	0	0	0	0
90	O7	1	0	0	0	0
90	Q0	1	0	0	0	0
90	Q2	1	0	0	0	0
90	Q3	1	0	0	0	0
90	d6	1	0	0	1	0
90	d7	1	0	0	0	0
90	d9	1	0	0	0	0
90	e1	1	0	0	0	0
90	o7	1	0	0	0	0
90	q0	1	0	0	1	0
90	q2	1	0	0	0	0
90	q3	1	0	0	0	0
All	All	411288	0	297360	10749	0

The all-atom clashscore is defined as the number of clashes found per 1000 atoms (including hydrogen atoms). The all-atom clashscore for this structure is 16.

The worst 5 of 10749 close contacts within the same asymmetric unit are listed below, sorted by their clash magnitude.

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
40:l3:41:VAL:HA	40:l3:185:GLY:HA3	1.31	1.11
40:l3:296:THR:HG22	40:l3:298:PHE:H	1.19	1.06
1:6:1636:C:H4'	1:6:1637:C:H5'	1.34	1.05
78:Q2:74:CYS:SG	78:Q2:77:CYS:SG	2.55	1.05
28:d6:26:CYS:SG	28:d6:77:CYS:SG	2.58	1.01

There are no symmetry-related clashes.

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	204/251 (81%)	143 (70%)	34 (17%)	27 (13%)	0	1
2	s0	204/251 (81%)	152 (74%)	33 (16%)	19 (9%)	0	3
3	S1	212/254 (84%)	141 (66%)	38 (18%)	33 (16%)	0	0
3	s1	214/254 (84%)	171 (80%)	30 (14%)	13 (6%)	1	9
4	S2	215/253 (85%)	173 (80%)	27 (13%)	15 (7%)	1	6
4	s2	215/253 (85%)	184 (86%)	21 (10%)	10 (5%)	2	14
5	S3	221/239 (92%)	182 (82%)	24 (11%)	15 (7%)	1	7
5	s3	221/239 (92%)	174 (79%)	31 (14%)	16 (7%)	1	6
6	S4	258/260 (99%)	206 (80%)	34 (13%)	18 (7%)	1	6
6	s4	258/260 (99%)	210 (81%)	28 (11%)	20 (8%)	1	5
7	S5	204/224 (91%)	154 (76%)	34 (17%)	16 (8%)	1	5
7	s5	204/224 (91%)	154 (76%)	35 (17%)	15 (7%)	1	6
8	S6	224/236 (95%)	197 (88%)	15 (7%)	12 (5%)	1	12
8	s6	216/236 (92%)	184 (85%)	22 (10%)	10 (5%)	2	15

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
9	S7	182/189 (96%)	136 (75%)	25 (14%)	21 (12%)	0	2
9	s7	184/189 (97%)	141 (77%)	28 (15%)	15 (8%)	1	4
10	S8	184/200 (92%)	148 (80%)	23 (12%)	13 (7%)	1	6
10	s8	184/200 (92%)	155 (84%)	16 (9%)	13 (7%)	1	6
11	S9	183/196 (93%)	147 (80%)	26 (14%)	10 (6%)	1	11
11	s9	183/196 (93%)	148 (81%)	28 (15%)	7 (4%)	2	18
12	C0	94/105 (90%)	68 (72%)	17 (18%)	9 (10%)	0	3
13	C1	153/155 (99%)	114 (74%)	24 (16%)	15 (10%)	0	3
13	c1	144/155 (93%)	122 (85%)	16 (11%)	6 (4%)	2	17
14	C2	122/142 (86%)	67 (55%)	34 (28%)	21 (17%)	0	0
14	c2	122/142 (86%)	67 (55%)	32 (26%)	23 (19%)	0	0
15	C3	148/150 (99%)	122 (82%)	20 (14%)	6 (4%)	2	17
15	c3	148/150 (99%)	120 (81%)	18 (12%)	10 (7%)	1	7
16	C4	125/136 (92%)	90 (72%)	19 (15%)	16 (13%)	0	1
16	c4	126/136 (93%)	96 (76%)	19 (15%)	11 (9%)	0	3
17	C5	122/141 (86%)	88 (72%)	22 (18%)	12 (10%)	0	3
17	c5	133/141 (94%)	94 (71%)	20 (15%)	19 (14%)	0	1
18	C6	139/142 (98%)	117 (84%)	11 (8%)	11 (8%)	1	5
18	c6	140/142 (99%)	120 (86%)	12 (9%)	8 (6%)	1	11
19	C7	116/136 (85%)	87 (75%)	21 (18%)	8 (7%)	1	7
19	c7	113/136 (83%)	84 (74%)	19 (17%)	10 (9%)	0	3
20	C8	143/145 (99%)	111 (78%)	20 (14%)	12 (8%)	0	4
20	c8	143/145 (99%)	115 (80%)	18 (13%)	10 (7%)	1	6
21	C9	141/143 (99%)	120 (85%)	14 (10%)	7 (5%)	1	13
21	c9	141/143 (99%)	114 (81%)	21 (15%)	6 (4%)	2	16
22	D0	105/120 (88%)	82 (78%)	19 (18%)	4 (4%)	2	18
22	d0	108/120 (90%)	87 (81%)	10 (9%)	11 (10%)	0	2
23	D1	85/87 (98%)	64 (75%)	12 (14%)	9 (11%)	0	2
23	d1	85/87 (98%)	72 (85%)	10 (12%)	3 (4%)	3	20
24	D2	127/129 (98%)	112 (88%)	12 (9%)	3 (2%)	5	29
24	d2	127/129 (98%)	112 (88%)	14 (11%)	1 (1%)	16	51

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
25	D3	142/144 (99%)	109 (77%)	19 (13%)	14 (10%)	0	2
25	d3	142/144 (99%)	119 (84%)	18 (13%)	5 (4%)	3	20
26	D4	132/134 (98%)	106 (80%)	18 (14%)	8 (6%)	1	9
26	d4	132/134 (98%)	106 (80%)	16 (12%)	10 (8%)	1	5
27	D5	68/107 (64%)	44 (65%)	11 (16%)	13 (19%)	0	0
27	d5	67/107 (63%)	49 (73%)	11 (16%)	7 (10%)	0	2
28	D6	95/97 (98%)	62 (65%)	19 (20%)	14 (15%)	0	1
28	d6	95/97 (98%)	67 (70%)	18 (19%)	10 (10%)	0	2
29	D7	79/81 (98%)	63 (80%)	9 (11%)	7 (9%)	0	3
29	d7	79/81 (98%)	60 (76%)	12 (15%)	7 (9%)	0	3
30	D8	61/66 (92%)	49 (80%)	6 (10%)	6 (10%)	0	3
30	d8	61/66 (92%)	43 (70%)	13 (21%)	5 (8%)	1	4
31	D9	51/55 (93%)	41 (80%)	8 (16%)	2 (4%)	2	18
31	d9	51/55 (93%)	36 (71%)	9 (18%)	6 (12%)	0	1
32	E0	58/60 (97%)	47 (81%)	10 (17%)	1 (2%)	7	36
33	E1	69/76 (91%)	38 (55%)	12 (17%)	19 (28%)	0	0
34	SR	316/318 (99%)	244 (77%)	45 (14%)	27 (8%)	0	3
34	sR	316/318 (99%)	261 (83%)	42 (13%)	13 (4%)	2	17
35	SM	155/273 (57%)	111 (72%)	27 (17%)	17 (11%)	0	2
35	sM	98/273 (36%)	57 (58%)	28 (29%)	13 (13%)	0	1
39	L2	250/253 (99%)	224 (90%)	17 (7%)	9 (4%)	3	20
39	l2	250/253 (99%)	214 (86%)	23 (9%)	13 (5%)	1	12
40	L3	384/386 (100%)	322 (84%)	45 (12%)	17 (4%)	2	15
40	l3	384/386 (100%)	339 (88%)	32 (8%)	13 (3%)	3	21
41	L4	359/361 (99%)	297 (83%)	34 (10%)	28 (8%)	1	5
41	l4	359/361 (99%)	299 (83%)	38 (11%)	22 (6%)	1	9
42	L5	294/296 (99%)	237 (81%)	35 (12%)	22 (8%)	1	6
42	l5	292/296 (99%)	253 (87%)	32 (11%)	7 (2%)	5	29
43	L6	152/175 (87%)	134 (88%)	12 (8%)	6 (4%)	2	18
43	l6	153/175 (87%)	130 (85%)	17 (11%)	6 (4%)	2	18
44	L7	220/243 (90%)	184 (84%)	26 (12%)	10 (4%)	2	15

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
44	l7	221/243 (91%)	189 (86%)	27 (12%)	5 (2%)	5	29
45	L8	231/255 (91%)	189 (82%)	31 (13%)	11 (5%)	2	14
45	l8	229/255 (90%)	188 (82%)	23 (10%)	18 (8%)	1	5
46	L9	189/191 (99%)	166 (88%)	21 (11%)	2 (1%)	12	44
46	l9	189/191 (99%)	166 (88%)	17 (9%)	6 (3%)	3	22
47	M0	207/220 (94%)	171 (83%)	28 (14%)	8 (4%)	2	18
47	m0	209/220 (95%)	172 (82%)	23 (11%)	14 (7%)	1	7
48	M1	167/173 (96%)	122 (73%)	29 (17%)	16 (10%)	0	3
48	m1	167/173 (96%)	141 (84%)	15 (9%)	11 (7%)	1	7
49	M3	191/198 (96%)	154 (81%)	26 (14%)	11 (6%)	1	10
49	m3	192/198 (97%)	150 (78%)	28 (15%)	14 (7%)	1	6
50	M4	134/137 (98%)	113 (84%)	12 (9%)	9 (7%)	1	7
50	m4	135/137 (98%)	118 (87%)	16 (12%)	1 (1%)	19	54
51	M5	201/203 (99%)	183 (91%)	14 (7%)	4 (2%)	6	32
51	m5	201/203 (99%)	181 (90%)	16 (8%)	4 (2%)	6	32
52	M6	195/198 (98%)	176 (90%)	12 (6%)	7 (4%)	3	20
52	m6	195/198 (98%)	179 (92%)	10 (5%)	6 (3%)	3	22
53	M7	181/183 (99%)	144 (80%)	27 (15%)	10 (6%)	1	11
53	m7	153/183 (84%)	132 (86%)	18 (12%)	3 (2%)	6	32
54	M8	183/185 (99%)	154 (84%)	24 (13%)	5 (3%)	4	26
54	m8	183/185 (99%)	151 (82%)	26 (14%)	6 (3%)	3	21
55	M9	186/188 (99%)	172 (92%)	13 (7%)	1 (0%)	25	60
55	m9	186/188 (99%)	167 (90%)	14 (8%)	5 (3%)	4	26
56	N0	170/172 (99%)	154 (91%)	13 (8%)	3 (2%)	7	35
56	n0	170/172 (99%)	160 (94%)	7 (4%)	3 (2%)	7	35
57	N1	157/159 (99%)	139 (88%)	11 (7%)	7 (4%)	2	15
57	n1	157/159 (99%)	140 (89%)	12 (8%)	5 (3%)	3	22
58	N2	98/120 (82%)	72 (74%)	15 (15%)	11 (11%)	0	2
58	n2	96/120 (80%)	78 (81%)	15 (16%)	3 (3%)	3	22
59	N3	134/136 (98%)	120 (90%)	12 (9%)	2 (2%)	8	38
59	n3	134/136 (98%)	124 (92%)	10 (8%)	0	100	100

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
60	N4	96/155 (62%)	78 (81%)	13 (14%)	5 (5%)	1	12
60	n4	133/155 (86%)	109 (82%)	15 (11%)	9 (7%)	1	7
61	N5	119/141 (84%)	106 (89%)	11 (9%)	2 (2%)	7	36
61	n5	118/141 (84%)	98 (83%)	11 (9%)	9 (8%)	1	5
62	N6	124/126 (98%)	104 (84%)	14 (11%)	6 (5%)	2	14
62	n6	124/126 (98%)	112 (90%)	8 (6%)	4 (3%)	3	22
63	N7	133/135 (98%)	111 (84%)	11 (8%)	11 (8%)	0	4
63	n7	133/135 (98%)	101 (76%)	21 (16%)	11 (8%)	0	4
64	N8	146/148 (99%)	121 (83%)	18 (12%)	7 (5%)	2	14
64	n8	146/148 (99%)	119 (82%)	22 (15%)	5 (3%)	3	21
65	N9	56/58 (97%)	47 (84%)	6 (11%)	3 (5%)	1	12
65	n9	56/58 (97%)	44 (79%)	7 (12%)	5 (9%)	0	3
66	O0	95/104 (91%)	76 (80%)	15 (16%)	4 (4%)	2	17
66	o0	98/104 (94%)	85 (87%)	13 (13%)	0	100	100
67	O1	107/112 (96%)	91 (85%)	8 (8%)	8 (8%)	1	6
67	o1	107/112 (96%)	85 (79%)	13 (12%)	9 (8%)	0	4
68	O2	125/129 (97%)	108 (86%)	17 (14%)	0	100	100
68	o2	125/129 (97%)	109 (87%)	9 (7%)	7 (6%)	1	11
69	O3	104/106 (98%)	92 (88%)	9 (9%)	3 (3%)	3	24
69	o3	104/106 (98%)	96 (92%)	4 (4%)	4 (4%)	2	18
70	O4	110/120 (92%)	94 (86%)	14 (13%)	2 (2%)	7	35
70	o4	110/120 (92%)	100 (91%)	9 (8%)	1 (1%)	14	49
71	O5	117/119 (98%)	99 (85%)	10 (8%)	8 (7%)	1	7
71	o5	117/119 (98%)	95 (81%)	17 (14%)	5 (4%)	2	16
72	O6	97/99 (98%)	78 (80%)	13 (13%)	6 (6%)	1	9
72	o6	97/99 (98%)	76 (78%)	15 (16%)	6 (6%)	1	9
73	O7	85/87 (98%)	74 (87%)	8 (9%)	3 (4%)	3	20
73	o7	85/87 (98%)	70 (82%)	11 (13%)	4 (5%)	2	14
74	O8	75/77 (97%)	65 (87%)	7 (9%)	3 (4%)	2	18
74	o8	75/77 (97%)	60 (80%)	12 (16%)	3 (4%)	2	18
75	O9	48/50 (96%)	40 (83%)	6 (12%)	2 (4%)	2	17

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
75	o9	48/50 (96%)	43 (90%)	5 (10%)	0	100	100
76	Q0	50/52 (96%)	39 (78%)	9 (18%)	2 (4%)	2	18
76	q0	50/52 (96%)	49 (98%)	0	1 (2%)	6	32
77	Q1	23/25 (92%)	19 (83%)	4 (17%)	0	100	100
77	q1	23/25 (92%)	20 (87%)	2 (9%)	1 (4%)	2	16
78	Q2	103/105 (98%)	84 (82%)	13 (13%)	6 (6%)	1	10
78	q2	103/105 (98%)	92 (89%)	9 (9%)	2 (2%)	6	34
79	Q3	89/91 (98%)	76 (85%)	10 (11%)	3 (3%)	3	21
79	q3	89/91 (98%)	81 (91%)	7 (8%)	1 (1%)	12	44
80	c0	92/105 (88%)	59 (64%)	16 (17%)	17 (18%)	0	0
81	e0	60/62 (97%)	43 (72%)	10 (17%)	7 (12%)	0	1
82	e1	74/76 (97%)	34 (46%)	21 (28%)	19 (26%)	0	0
84	p0	139/311 (45%)	116 (84%)	16 (12%)	7 (5%)	1	13
All	All	22333/24143 (92%)	18253 (82%)	2722 (12%)	1358 (6%)	1	9

5 of 1358 Ramachandran outliers are listed below:

Mol	Chain	Res	Type
2	S0	4	PRO
2	S0	30	GLN
2	S0	39	ASN
2	S0	66	ALA
2	S0	111	ILE

5.3.2 Protein sidechains ⓘ

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

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

Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
2	S0	164/209 (78%)	130 (79%)	34 (21%)	1	5
2	s0	165/209 (79%)	128 (78%)	37 (22%)	1	4
3	S1	191/223 (86%)	148 (78%)	43 (22%)	1	4

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
3	s1	192/223 (86%)	152 (79%)	40 (21%)	1	5
4	S2	176/204 (86%)	126 (72%)	50 (28%)	0	1
4	s2	176/204 (86%)	127 (72%)	49 (28%)	0	1
5	S3	182/194 (94%)	139 (76%)	43 (24%)	0	3
5	s3	182/194 (94%)	137 (75%)	45 (25%)	0	2
6	S4	221/221 (100%)	172 (78%)	49 (22%)	1	4
6	s4	221/221 (100%)	175 (79%)	46 (21%)	1	5
7	S5	173/190 (91%)	145 (84%)	28 (16%)	2	9
7	s5	173/190 (91%)	126 (73%)	47 (27%)	0	1
8	S6	188/201 (94%)	144 (77%)	44 (23%)	0	3
8	s6	187/201 (93%)	144 (77%)	43 (23%)	0	3
9	S7	165/169 (98%)	130 (79%)	35 (21%)	1	5
9	s7	165/169 (98%)	132 (80%)	33 (20%)	1	5
10	S8	150/161 (93%)	116 (77%)	34 (23%)	0	3
10	s8	150/161 (93%)	125 (83%)	25 (17%)	2	9
11	S9	158/165 (96%)	120 (76%)	38 (24%)	0	2
11	s9	158/165 (96%)	122 (77%)	36 (23%)	0	3
12	C0	77/98 (79%)	63 (82%)	14 (18%)	1	7
13	C1	129/136 (95%)	104 (81%)	25 (19%)	1	6
13	c1	129/136 (95%)	102 (79%)	27 (21%)	1	5
14	C2	88/118 (75%)	65 (74%)	23 (26%)	0	1
14	c2	88/118 (75%)	64 (73%)	24 (27%)	0	1
15	C3	127/127 (100%)	100 (79%)	27 (21%)	1	5
15	c3	127/127 (100%)	100 (79%)	27 (21%)	1	5
16	C4	81/104 (78%)	60 (74%)	21 (26%)	0	2
16	c4	97/104 (93%)	67 (69%)	30 (31%)	0	1
17	C5	101/117 (86%)	76 (75%)	25 (25%)	0	2
17	c5	103/117 (88%)	77 (75%)	26 (25%)	0	2
18	C6	117/118 (99%)	86 (74%)	31 (26%)	0	1
18	c6	118/118 (100%)	93 (79%)	25 (21%)	1	5
19	C7	94/124 (76%)	71 (76%)	23 (24%)	0	2

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
19	c7	92/124 (74%)	64 (70%)	28 (30%)	0	1
20	C8	128/128 (100%)	95 (74%)	33 (26%)	0	2
20	c8	128/128 (100%)	99 (77%)	29 (23%)	0	3
21	C9	115/115 (100%)	80 (70%)	35 (30%)	0	1
21	c9	115/115 (100%)	90 (78%)	25 (22%)	1	4
22	D0	100/113 (88%)	77 (77%)	23 (23%)	0	3
22	d0	103/113 (91%)	71 (69%)	32 (31%)	0	0
23	D1	74/74 (100%)	55 (74%)	19 (26%)	0	2
23	d1	74/74 (100%)	59 (80%)	15 (20%)	1	5
24	D2	110/110 (100%)	82 (74%)	28 (26%)	0	2
24	d2	110/110 (100%)	92 (84%)	18 (16%)	2	9
25	D3	119/119 (100%)	95 (80%)	24 (20%)	1	5
25	d3	119/119 (100%)	93 (78%)	26 (22%)	1	4
26	D4	112/112 (100%)	90 (80%)	22 (20%)	1	6
26	d4	112/112 (100%)	89 (80%)	23 (20%)	1	5
27	D5	61/88 (69%)	47 (77%)	14 (23%)	0	3
27	d5	61/88 (69%)	45 (74%)	16 (26%)	0	1
28	D6	83/83 (100%)	62 (75%)	21 (25%)	0	2
28	d6	83/83 (100%)	61 (74%)	22 (26%)	0	1
29	D7	70/70 (100%)	53 (76%)	17 (24%)	0	2
29	d7	70/70 (100%)	58 (83%)	12 (17%)	1	8
30	D8	56/59 (95%)	40 (71%)	16 (29%)	0	1
30	d8	56/59 (95%)	37 (66%)	19 (34%)	0	0
31	D9	47/48 (98%)	43 (92%)	4 (8%)	8	34
31	d9	47/48 (98%)	36 (77%)	11 (23%)	0	3
32	E0	51/51 (100%)	38 (74%)	13 (26%)	0	2
33	E1	62/66 (94%)	42 (68%)	20 (32%)	0	0
34	SR	260/261 (100%)	207 (80%)	53 (20%)	1	5
34	sR	260/261 (100%)	231 (89%)	29 (11%)	5	22
35	SM	97/228 (42%)	72 (74%)	25 (26%)	0	2
35	sM	54/228 (24%)	42 (78%)	12 (22%)	1	4

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
39	L2	193/195 (99%)	151 (78%)	42 (22%)	1	4
39	l2	192/195 (98%)	147 (77%)	45 (23%)	0	3
40	L3	320/322 (99%)	248 (78%)	72 (22%)	1	4
40	l3	319/322 (99%)	247 (77%)	72 (23%)	1	4
41	L4	288/288 (100%)	237 (82%)	51 (18%)	1	8
41	l4	288/288 (100%)	226 (78%)	62 (22%)	1	4
42	L5	244/244 (100%)	194 (80%)	50 (20%)	1	5
42	l5	243/244 (100%)	186 (76%)	57 (24%)	0	3
43	L6	134/152 (88%)	112 (84%)	22 (16%)	2	9
43	l6	135/152 (89%)	111 (82%)	24 (18%)	1	7
44	L7	186/204 (91%)	160 (86%)	26 (14%)	3	14
44	l7	187/204 (92%)	160 (86%)	27 (14%)	2	13
45	L8	187/207 (90%)	151 (81%)	36 (19%)	1	6
45	l8	177/207 (86%)	143 (81%)	34 (19%)	1	6
46	L9	171/171 (100%)	132 (77%)	39 (23%)	0	3
46	l9	171/171 (100%)	133 (78%)	38 (22%)	1	4
47	M0	177/186 (95%)	130 (73%)	47 (27%)	0	1
47	m0	179/186 (96%)	143 (80%)	36 (20%)	1	5
48	M1	147/150 (98%)	116 (79%)	31 (21%)	1	5
48	m1	147/150 (98%)	107 (73%)	40 (27%)	0	1
49	M3	154/158 (98%)	120 (78%)	34 (22%)	1	4
49	m3	154/158 (98%)	119 (77%)	35 (23%)	0	3
50	M4	107/108 (99%)	87 (81%)	20 (19%)	1	6
50	m4	108/108 (100%)	80 (74%)	28 (26%)	0	2
51	M5	175/175 (100%)	151 (86%)	24 (14%)	3	14
51	m5	175/175 (100%)	139 (79%)	36 (21%)	1	5
52	M6	160/161 (99%)	130 (81%)	30 (19%)	1	6
52	m6	160/161 (99%)	129 (81%)	31 (19%)	1	6
53	M7	140/145 (97%)	110 (79%)	30 (21%)	1	5
53	m7	125/145 (86%)	99 (79%)	26 (21%)	1	5
54	M8	150/150 (100%)	117 (78%)	33 (22%)	1	4

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
54	m8	150/150 (100%)	122 (81%)	28 (19%)	1	6
55	M9	153/153 (100%)	123 (80%)	30 (20%)	1	6
55	m9	153/153 (100%)	116 (76%)	37 (24%)	0	2
56	N0	156/156 (100%)	118 (76%)	38 (24%)	0	2
56	n0	156/156 (100%)	123 (79%)	33 (21%)	1	5
57	N1	136/136 (100%)	103 (76%)	33 (24%)	0	2
57	n1	136/136 (100%)	103 (76%)	33 (24%)	0	2
58	N2	87/106 (82%)	67 (77%)	20 (23%)	0	3
58	n2	85/106 (80%)	64 (75%)	21 (25%)	0	2
59	N3	104/104 (100%)	86 (83%)	18 (17%)	1	8
59	n3	104/104 (100%)	90 (86%)	14 (14%)	3	15
60	N4	57/129 (44%)	46 (81%)	11 (19%)	1	6
60	n4	100/129 (78%)	82 (82%)	18 (18%)	1	7
61	N5	104/117 (89%)	79 (76%)	25 (24%)	0	2
61	n5	104/117 (89%)	82 (79%)	22 (21%)	1	5
62	N6	109/109 (100%)	77 (71%)	32 (29%)	0	1
62	n6	109/109 (100%)	73 (67%)	36 (33%)	0	0
63	N7	115/115 (100%)	92 (80%)	23 (20%)	1	5
63	n7	115/115 (100%)	85 (74%)	30 (26%)	0	1
64	N8	118/118 (100%)	91 (77%)	27 (23%)	0	3
64	n8	118/118 (100%)	93 (79%)	25 (21%)	1	5
65	N9	46/46 (100%)	37 (80%)	9 (20%)	1	6
65	n9	46/46 (100%)	36 (78%)	10 (22%)	1	4
66	O0	81/87 (93%)	59 (73%)	22 (27%)	0	1
66	o0	84/87 (97%)	65 (77%)	19 (23%)	1	4
67	O1	92/96 (96%)	71 (77%)	21 (23%)	0	3
67	o1	94/96 (98%)	64 (68%)	30 (32%)	0	0
68	O2	109/110 (99%)	77 (71%)	32 (29%)	0	1
68	o2	109/110 (99%)	88 (81%)	21 (19%)	1	6
69	O3	90/90 (100%)	77 (86%)	13 (14%)	2	13
69	o3	90/90 (100%)	72 (80%)	18 (20%)	1	5

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
70	O4	95/102 (93%)	74 (78%)	21 (22%)	1	4
70	o4	95/102 (93%)	76 (80%)	19 (20%)	1	5
71	O5	104/104 (100%)	76 (73%)	28 (27%)	0	1
71	o5	103/104 (99%)	77 (75%)	26 (25%)	0	2
72	O6	81/81 (100%)	60 (74%)	21 (26%)	0	2
72	o6	80/81 (99%)	57 (71%)	23 (29%)	0	1
73	O7	70/70 (100%)	55 (79%)	15 (21%)	1	5
73	o7	70/70 (100%)	55 (79%)	15 (21%)	1	5
74	O8	68/68 (100%)	52 (76%)	16 (24%)	0	3
74	o8	67/68 (98%)	51 (76%)	16 (24%)	0	2
75	O9	45/45 (100%)	33 (73%)	12 (27%)	0	1
75	o9	45/45 (100%)	35 (78%)	10 (22%)	1	4
76	Q0	47/47 (100%)	36 (77%)	11 (23%)	0	3
76	q0	47/47 (100%)	36 (77%)	11 (23%)	0	3
77	Q1	23/23 (100%)	18 (78%)	5 (22%)	1	4
77	q1	23/23 (100%)	16 (70%)	7 (30%)	0	1
78	Q2	90/90 (100%)	66 (73%)	24 (27%)	0	1
78	q2	90/90 (100%)	68 (76%)	22 (24%)	0	2
79	Q3	71/71 (100%)	58 (82%)	13 (18%)	1	7
79	q3	71/71 (100%)	54 (76%)	17 (24%)	0	2
80	c0	73/98 (74%)	61 (84%)	12 (16%)	2	9
81	e0	53/53 (100%)	37 (70%)	16 (30%)	0	1
82	e1	66/66 (100%)	49 (74%)	17 (26%)	0	2
84	p0	105/253 (42%)	80 (76%)	25 (24%)	0	3
All	All	18727/20241 (92%)	14567 (78%)	4160 (22%)	1	4

5 of 4160 residues with a non-rotameric sidechain are listed below:

Mol	Chain	Res	Type
58	n2	13	LYS
62	n6	122	LYS
57	n1	149	GLN
55	M9	81	ARG
54	M8	24	VAL

Sometimes sidechains can be flipped to improve hydrogen bonding and reduce clashes. 5 of 179 such sidechains are listed below:

Mol	Chain	Res	Type
18	c6	83	GLN
44	17	172	ASN
21	c9	25	GLN
39	l2	50	HIS
47	m0	73	ASN

5.3.3 RNA ⓘ

Mol	Chain	Analysed	Backbone Outliers	Pucker Outliers
1	2	1747/1800 (97%)	490 (28%)	56 (3%)
1	6	1792/1800 (99%)	475 (26%)	57 (3%)
36	1	3145/3396 (92%)	694 (22%)	83 (2%)
36	5	3145/3396 (92%)	693 (22%)	76 (2%)
37	3	120/121 (99%)	14 (11%)	0
37	7	120/121 (99%)	25 (20%)	1 (0%)
38	4	157/158 (99%)	38 (24%)	2 (1%)
38	8	157/158 (99%)	37 (23%)	2 (1%)
87	A	3/3 (100%)	2 (66%)	1 (33%)
87	B	3/3 (100%)	2 (66%)	1 (33%)
All	All	10389/10956 (94%)	2470 (23%)	279 (2%)

5 of 2470 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 279 RNA pucker outliers are listed below:

Mol	Chain	Res	Type
36	5	1716	U
36	5	2112	U
36	5	3078	U
36	1	1820	U
36	1	1751	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 oligosaccharides in this entry.

5.6 Ligand geometry [i](#)

Of 2557 ligands modelled in this entry, 1424 are monoatomic - leaving 1133 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	$\# Z > 2$
89	OHX	1	4003	-	0,6,6	-	-	-		
89	OHX	1	4039	88	0,6,6	-	-	-		
89	OHX	6	2111	88	0,6,6	-	-	-		
89	OHX	5	4140	-	0,6,6	-	-	-		
89	OHX	5	4023	-	0,6,6	-	-	-		
89	OHX	6	2075	88	0,6,6	-	-	-		
89	OHX	2	2052	-	0,6,6	-	-	-		
89	OHX	5	4112	-	0,6,6	-	-	-		
89	OHX	7	224	-	0,6,6	-	-	-		
89	OHX	1	4041	-	0,6,6	-	-	-		
89	OHX	2	2069	-	0,6,6	-	-	-		
89	OHX	2	2117	-	0,6,6	-	-	-		
89	OHX	1	4019	-	0,6,6	-	-	-		
89	OHX	1	4198	-	0,6,6	-	-	-		
89	OHX	5	4133	-	0,6,6	-	-	-		
89	OHX	2	2135	-	0,6,6	-	-	-		
89	OHX	6	2147	-	0,6,6	-	-	-		
89	OHX	5	4254	-	0,6,6	-	-	-		
89	OHX	5	4153	-	0,6,6	-	-	-		
89	OHX	1	3967	88	0,6,6	-	-	-		
89	OHX	2	2174	-	0,6,6	-	-	-		
89	OHX	5	3998	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
89	OHX	5	4152	-	0,6,6	-	-	-		
89	OHX	5	4072	88	0,6,6	-	-	-		
89	OHX	15	304	-	0,6,6	-	-	-		
89	OHX	1	4017	-	0,6,6	-	-	-		
89	OHX	2	2089	-	0,6,6	-	-	-		
89	OHX	1	3954	-	0,6,6	-	-	-		
89	OHX	D3	201	-	0,6,6	-	-	-		
89	OHX	6	2158	-	0,6,6	-	-	-		
89	OHX	2	2126	-	0,6,6	-	-	-		
89	OHX	4	228	-	0,6,6	-	-	-		
89	OHX	1	4157	88	0,6,6	-	-	-		
89	OHX	6	2171	88	0,6,6	-	-	-		
89	OHX	1	3874	-	0,6,6	-	-	-		
89	OHX	5	3935	88	0,6,6	-	-	-		
89	OHX	7	222	-	0,6,6	-	-	-		
89	OHX	5	3957	-	0,6,6	-	-	-		
89	OHX	5	4001	-	0,6,6	-	-	-		
89	OHX	5	4108	-	0,6,6	-	-	-		
89	OHX	5	4055	-	0,6,6	-	-	-		
89	OHX	5	4126	88	0,6,6	-	-	-		
89	OHX	1	4142	-	0,6,6	-	-	-		
89	OHX	1	4040	-	0,6,6	-	-	-		
89	OHX	3	224	88	0,6,6	-	-	-		
89	OHX	6	2138	-	0,6,6	-	-	-		
89	OHX	L4	402	-	0,6,6	-	-	-		
89	OHX	2	2041	-	0,6,6	-	-	-		
89	OHX	13	406	-	0,6,6	-	-	-		
89	OHX	5	4190	-	0,6,6	-	-	-		
89	OHX	4	232	-	0,6,6	-	-	-		
89	OHX	5	4150	-	0,6,6	-	-	-		
89	OHX	5	4038	-	0,6,6	-	-	-		
89	OHX	5	4172	88	0,6,6	-	-	-		
89	OHX	q2	502	88	0,6,6	-	-	-		
89	OHX	5	4236	-	0,6,6	-	-	-		
89	OHX	s8	303	-	0,6,6	-	-	-		
89	OHX	1	4061	-	0,6,6	-	-	-		
89	OHX	5	4158	-	0,6,6	-	-	-		
89	OHX	6	2167	-	0,6,6	-	-	-		
89	OHX	5	4239	-	0,6,6	-	-	-		
89	OHX	S8	302	-	0,6,6	-	-	-		
89	OHX	1	4010	-	0,6,6	-	-	-		
89	OHX	5	4012	-	0,6,6	-	-	-		
89	OHX	1	4052	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
89	OHX	6	2127	-	0,6,6	-	-	-		
89	OHX	5	4107	-	0,6,6	-	-	-		
89	OHX	1	4028	-	0,6,6	-	-	-		
89	OHX	1	4098	-	0,6,6	-	-	-		
89	OHX	1	3899	-	0,6,6	-	-	-		
89	OHX	1	4118	-	0,6,6	-	-	-		
89	OHX	1	3916	-	0,6,6	-	-	-		
89	OHX	C5	201	-	0,6,6	-	-	-		
89	OHX	5	3923	-	0,6,6	-	-	-		
89	OHX	6	2082	-	0,6,6	-	-	-		
89	OHX	1	3917	-	0,6,6	-	-	-		
89	OHX	1	3974	-	0,6,6	-	-	-		
89	OHX	5	4119	-	0,6,6	-	-	-		
89	OHX	1	4123	88	0,6,6	-	-	-		
89	OHX	5	4186	-	0,6,6	-	-	-		
89	OHX	1	4096	-	0,6,6	-	-	-		
89	OHX	5	4249	-	0,6,6	-	-	-		
89	OHX	5	4241	-	0,6,6	-	-	-		
89	OHX	5	4235	-	0,6,6	-	-	-		
89	OHX	2	2150	-	0,6,6	-	-	-		
89	OHX	7	218	88	0,6,6	-	-	-		
89	OHX	2	2023	-	0,6,6	-	-	-		
89	OHX	5	4024	-	0,6,6	-	-	-		
89	OHX	5	4056	-	0,6,6	-	-	-		
89	OHX	1	4188	-	0,6,6	-	-	-		
89	OHX	8	221	-	0,6,6	-	-	-		
89	OHX	2	2031	-	0,6,6	-	-	-		
89	OHX	1	4211	-	0,6,6	-	-	-		
89	OHX	6	2160	-	0,6,6	-	-	-		
89	OHX	5	4104	-	0,6,6	-	-	-		
89	OHX	1	4023	-	0,6,6	-	-	-		
89	OHX	1	4116	-	0,6,6	-	-	-		
89	OHX	6	2114	-	0,6,6	-	-	-		
89	OHX	5	3907	-	0,6,6	-	-	-		
89	OHX	2	2128	-	0,6,6	-	-	-		
89	OHX	1	4027	-	0,6,6	-	-	-		
89	OHX	5	3963	-	0,6,6	-	-	-		
89	OHX	5	3997	-	0,6,6	-	-	-		
89	OHX	5	4073	-	0,6,6	-	-	-		
89	OHX	5	4092	-	0,6,6	-	-	-		
89	OHX	5	4099	-	0,6,6	-	-	-		
89	OHX	1	4022	-	0,6,6	-	-	-		
89	OHX	5	4170	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
89	OHX	1	4062	-	0,6,6	-	-	-		
89	OHX	5	4118	-	0,6,6	-	-	-		
89	OHX	1	4082	-	0,6,6	-	-	-		
89	OHX	1	3913	-	0,6,6	-	-	-		
89	OHX	2	2162	-	0,6,6	-	-	-		
89	OHX	5	4181	-	0,6,6	-	-	-		
89	OHX	2	2163	-	0,6,6	-	-	-		
89	OHX	2	2125	-	0,6,6	-	-	-		
89	OHX	7	219	88	0,6,6	-	-	-		
89	OHX	1	4050	-	0,6,6	-	-	-		
89	OHX	5	4224	-	0,6,6	-	-	-		
89	OHX	1	4153	-	0,6,6	-	-	-		
89	OHX	2	2046	-	0,6,6	-	-	-		
89	OHX	5	4121	-	0,6,6	-	-	-		
89	OHX	2	2177	-	0,6,6	-	-	-		
89	OHX	2	2090	-	0,6,6	-	-	-		
89	OHX	1	3892	-	0,6,6	-	-	-		
89	OHX	6	2053	-	0,6,6	-	-	-		
89	OHX	5	4015	-	0,6,6	-	-	-		
89	OHX	5	4125	88	0,6,6	-	-	-		
89	OHX	6	2182	-	0,6,6	-	-	-		
89	OHX	5	4048	-	0,6,6	-	-	-		
89	OHX	2	2075	-	0,6,6	-	-	-		
89	OHX	5	4188	-	0,6,6	-	-	-		
89	OHX	6	2077	-	0,6,6	-	-	-		
89	OHX	2	2172	-	0,6,6	-	-	-		
89	OHX	2	2025	-	0,6,6	-	-	-		
89	OHX	1	4108	-	0,6,6	-	-	-		
89	OHX	6	2084	-	0,6,6	-	-	-		
89	OHX	4	224	-	0,6,6	-	-	-		
89	OHX	2	2044	-	0,6,6	-	-	-		
89	OHX	5	4117	-	0,6,6	-	-	-		
89	OHX	5	4231	-	0,6,6	-	-	-		
89	OHX	1	3985	-	0,6,6	-	-	-		
89	OHX	5	4022	-	0,6,6	-	-	-		
89	OHX	1	3975	-	0,6,6	-	-	-		
89	OHX	1	3944	-	0,6,6	-	-	-		
89	OHX	5	3934	-	0,6,6	-	-	-		
89	OHX	6	2130	-	0,6,6	-	-	-		
89	OHX	1	4038	-	0,6,6	-	-	-		
89	OHX	2	2056	-	0,6,6	-	-	-		
89	OHX	2	2065	-	0,6,6	-	-	-		
89	OHX	5	4090	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
89	OHX	l5	303	-	0,6,6	-	-	-		
89	OHX	2	2068	88	0,6,6	-	-	-		
89	OHX	L3	405	-	0,6,6	-	-	-		
89	OHX	6	2136	-	0,6,6	-	-	-		
89	OHX	6	2152	-	0,6,6	-	-	-		
89	OHX	1	4107	-	0,6,6	-	-	-		
89	OHX	1	3927	88	0,6,6	-	-	-		
89	OHX	2	2081	-	0,6,6	-	-	-		
89	OHX	2	2037	-	0,6,6	-	-	-		
89	OHX	o3	202	-	0,6,6	-	-	-		
89	OHX	5	4141	-	0,6,6	-	-	-		
89	OHX	1	4135	88	0,6,6	-	-	-		
89	OHX	6	2128	-	0,6,6	-	-	-		
89	OHX	1	4006	-	0,6,6	-	-	-		
89	OHX	5	3973	-	0,6,6	-	-	-		
89	OHX	5	3985	-	0,6,6	-	-	-		
89	OHX	6	2079	-	0,6,6	-	-	-		
89	OHX	1	4119	-	0,6,6	-	-	-		
89	OHX	1	4222	-	0,6,6	-	-	-		
89	OHX	5	4036	-	0,6,6	-	-	-		
89	OHX	2	2099	-	0,6,6	-	-	-		
89	OHX	5	4114	-	0,6,6	-	-	-		
89	OHX	2	2036	-	0,6,6	-	-	-		
89	OHX	1	4058	-	0,6,6	-	-	-		
89	OHX	5	4217	-	0,6,6	-	-	-		
89	OHX	m4	201	-	0,6,6	-	-	-		
89	OHX	1	3957	-	0,6,6	-	-	-		
89	OHX	2	2051	-	0,6,6	-	-	-		
89	OHX	8	227	-	0,6,6	-	-	-		
89	OHX	1	4205	-	0,6,6	-	-	-		
89	OHX	1	4194	-	0,6,6	-	-	-		
89	OHX	5	4018	-	0,6,6	-	-	-		
89	OHX	5	4032	88	0,6,6	-	-	-		
89	OHX	5	4060	-	0,6,6	-	-	-		
89	OHX	1	4053	-	0,6,6	-	-	-		
89	OHX	6	2187	-	0,6,6	-	-	-		
89	OHX	5	4068	-	0,6,6	-	-	-		
89	OHX	1	3893	-	0,6,6	-	-	-		
89	OHX	1	4161	-	0,6,6	-	-	-		
89	OHX	5	4184	-	0,6,6	-	-	-		
89	OHX	6	2060	-	0,6,6	-	-	-		
89	OHX	1	4086	-	0,6,6	-	-	-		
89	OHX	1	4073	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
89	OHX	1	4015	-	0,6,6	-	-	-		
89	OHX	5	3916	-	0,6,6	-	-	-		
89	OHX	2	2161	-	0,6,6	-	-	-		
89	OHX	3	220	-	0,6,6	-	-	-		
89	OHX	5	4149	-	0,6,6	-	-	-		
89	OHX	5	4179	-	0,6,6	-	-	-		
89	OHX	5	4185	-	0,6,6	-	-	-		
89	OHX	5	4216	-	0,6,6	-	-	-		
89	OHX	5	4005	-	0,6,6	-	-	-		
89	OHX	1	3948	-	0,6,6	-	-	-		
89	OHX	5	4105	-	0,6,6	-	-	-		
89	OHX	6	2191	-	0,6,6	-	-	-		
89	OHX	1	3887	-	0,6,6	-	-	-		
89	OHX	6	2102	-	0,6,6	-	-	-		
89	OHX	1	4121	-	0,6,6	-	-	-		
89	OHX	7	215	-	0,6,6	-	-	-		
89	OHX	5	4237	-	0,6,6	-	-	-		
89	OHX	1	4114	-	0,6,6	-	-	-		
89	OHX	6	2141	-	0,6,6	-	-	-		
89	OHX	N9	101	-	0,6,6	-	-	-		
89	OHX	2	2034	-	0,6,6	-	-	-		
89	OHX	6	2098	-	0,6,6	-	-	-		
89	OHX	5	4234	-	0,6,6	-	-	-		
89	OHX	c1	202	-	0,6,6	-	-	-		
89	OHX	1	3942	-	0,6,6	-	-	-		
89	OHX	6	2062	-	0,6,6	-	-	-		
89	OHX	1	4203	88	0,6,6	-	-	-		
89	OHX	5	3900	-	0,6,6	-	-	-		
89	OHX	5	4253	-	0,6,6	-	-	-		
89	OHX	1	4018	-	0,6,6	-	-	-		
89	OHX	6	2150	-	0,6,6	-	-	-		
89	OHX	1	3884	-	0,6,6	-	-	-		
89	OHX	1	3958	-	0,6,6	-	-	-		
89	OHX	1	3956	88	0,6,6	-	-	-		
89	OHX	5	4067	-	0,6,6	-	-	-		
89	OHX	8	231	-	0,6,6	-	-	-		
89	OHX	1	4129	-	0,6,6	-	-	-		
89	OHX	6	2095	-	0,6,6	-	-	-		
89	OHX	1	3971	-	0,6,6	-	-	-		
89	OHX	5	3903	-	0,6,6	-	-	-		
89	OHX	6	2061	-	0,6,6	-	-	-		
89	OHX	2	2091	-	0,6,6	-	-	-		
89	OHX	5	4220	88	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
89	OHX	1	3930	-	0,6,6	-	-	-		
89	OHX	5	3967	88	0,6,6	-	-	-		
89	OHX	1	3969	-	0,6,6	-	-	-		
89	OHX	1	4109	-	0,6,6	-	-	-		
89	OHX	5	3977	-	0,6,6	-	-	-		
89	OHX	2	2124	-	0,6,6	-	-	-		
89	OHX	5	3984	-	0,6,6	-	-	-		
89	OHX	5	4221	-	0,6,6	-	-	-		
89	OHX	1	4223	-	0,6,6	-	-	-		
89	OHX	5	4193	-	0,6,6	-	-	-		
89	OHX	1	4004	-	0,6,6	-	-	-		
89	OHX	2	2083	-	0,6,6	-	-	-		
89	OHX	5	4240	-	0,6,6	-	-	-		
89	OHX	6	2112	-	0,6,6	-	-	-		
89	OHX	5	3928	-	0,6,6	-	-	-		
89	OHX	5	3951	-	0,6,6	-	-	-		
89	OHX	5	4200	-	0,6,6	-	-	-		
89	OHX	2	2111	-	0,6,6	-	-	-		
89	OHX	5	4182	88	0,6,6	-	-	-		
89	OHX	1	4132	-	0,6,6	-	-	-		
89	OHX	1	4007	-	0,6,6	-	-	-		
89	OHX	5	3955	-	0,6,6	-	-	-		
89	OHX	1	3996	-	0,6,6	-	-	-		
89	OHX	1	3915	-	0,6,6	-	-	-		
89	OHX	5	4142	-	0,6,6	-	-	-		
89	OHX	5	4162	-	0,6,6	-	-	-		
89	OHX	1	3924	88	0,6,6	-	-	-		
89	OHX	1	3896	-	0,6,6	-	-	-		
89	OHX	5	4232	-	0,6,6	-	-	-		
89	OHX	5	3938	88	0,6,6	-	-	-		
89	OHX	5	4233	-	0,6,6	-	-	-		
89	OHX	6	2073	-	0,6,6	-	-	-		
89	OHX	1	4117	-	0,6,6	-	-	-		
89	OHX	6	2101	-	0,6,6	-	-	-		
89	OHX	5	3918	88	0,6,6	-	-	-		
89	OHX	5	4212	-	0,6,6	-	-	-		
89	OHX	19	600	-	0,6,6	-	-	-		
89	OHX	5	4226	-	0,6,6	-	-	-		
89	OHX	6	2172	-	0,6,6	-	-	-		
89	OHX	1	4013	-	0,6,6	-	-	-		
89	OHX	6	2200	-	0,6,6	-	-	-		
89	OHX	6	2177	-	0,6,6	-	-	-		
89	OHX	2	2171	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
89	OHX	1	3911	88	0,6,6	-	-	-		
89	OHX	6	2197	-	0,6,6	-	-	-		
89	OHX	2	2151	-	0,6,6	-	-	-		
89	OHX	6	2071	-	0,6,6	-	-	-		
89	OHX	6	2129	-	0,6,6	-	-	-		
89	OHX	6	2193	-	0,6,6	-	-	-		
89	OHX	5	4198	-	0,6,6	-	-	-		
89	OHX	4	220	-	0,6,6	-	-	-		
89	OHX	M8	201	-	0,6,6	-	-	-		
89	OHX	5	4160	-	0,6,6	-	-	-		
89	OHX	6	2201	-	0,6,6	-	-	-		
89	OHX	5	3950	-	0,6,6	-	-	-		
89	OHX	5	3921	-	0,6,6	-	-	-		
89	OHX	5	4136	-	0,6,6	-	-	-		
89	OHX	1	4179	-	0,6,6	-	-	-		
89	OHX	1	4216	-	0,6,6	-	-	-		
89	OHX	5	3908	-	0,6,6	-	-	-		
89	OHX	1	4197	-	0,6,6	-	-	-		
89	OHX	6	2097	-	0,6,6	-	-	-		
89	OHX	5	4127	-	0,6,6	-	-	-		
89	OHX	5	4174	-	0,6,6	-	-	-		
89	OHX	5	4229	88	0,6,6	-	-	-		
89	OHX	8	228	-	0,6,6	-	-	-		
89	OHX	1	4065	-	0,6,6	-	-	-		
89	OHX	1	4115	-	0,6,6	-	-	-		
89	OHX	6	2134	-	0,6,6	-	-	-		
89	OHX	2	2077	-	0,6,6	-	-	-		
89	OHX	1	4078	-	0,6,6	-	-	-		
89	OHX	1	3875	-	0,6,6	-	-	-		
89	OHX	1	4147	-	0,6,6	-	-	-		
89	OHX	6	2194	-	0,6,6	-	-	-		
89	OHX	2	2167	-	0,6,6	-	-	-		
89	OHX	1	3885	-	0,6,6	-	-	-		
89	OHX	1	3879	-	0,6,6	-	-	-		
89	OHX	6	2076	-	0,6,6	-	-	-		
89	OHX	5	4027	88	0,6,6	-	-	-		
89	OHX	5	4230	-	0,6,6	-	-	-		
89	OHX	5	4007	-	0,6,6	-	-	-		
89	OHX	6	2175	-	0,6,6	-	-	-		
89	OHX	5	4094	-	0,6,6	-	-	-		
89	OHX	4	229	-	0,6,6	-	-	-		
89	OHX	2	2033	-	0,6,6	-	-	-		
89	OHX	2	2127	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
89	OHX	5	3915	88	0,6,6	-	-	-		
89	OHX	5	3941	-	0,6,6	-	-	-		
89	OHX	5	4106	-	0,6,6	-	-	-		
89	OHX	1	4209	-	0,6,6	-	-	-		
89	OHX	m6	203	88	0,6,6	-	-	-		
89	OHX	2	2063	-	0,6,6	-	-	-		
89	OHX	2	2082	-	0,6,6	-	-	-		
89	OHX	1	4060	-	0,6,6	-	-	-		
89	OHX	5	4061	-	0,6,6	-	-	-		
89	OHX	1	4170	-	0,6,6	-	-	-		
89	OHX	5	3917	88	0,6,6	-	-	-		
89	OHX	s1	303	-	0,6,6	-	-	-		
89	OHX	1	3979	-	0,6,6	-	-	-		
89	OHX	1	3895	88	0,6,6	-	-	-		
89	OHX	1	4081	88	0,6,6	-	-	-		
89	OHX	2	2130	-	0,6,6	-	-	-		
89	OHX	1	3925	-	0,6,6	-	-	-		
89	OHX	1	3989	-	0,6,6	-	-	-		
89	OHX	5	3936	-	0,6,6	-	-	-		
89	OHX	7	216	-	0,6,6	-	-	-		
89	OHX	1	3981	-	0,6,6	-	-	-		
89	OHX	1	3995	-	0,6,6	-	-	-		
89	OHX	1	4071	-	0,6,6	-	-	-		
89	OHX	6	2157	-	0,6,6	-	-	-		
89	OHX	1	4043	-	0,6,6	-	-	-		
89	OHX	5	4147	-	0,6,6	-	-	-		
89	OHX	1	4150	-	0,6,6	-	-	-		
89	OHX	o7	502	-	0,6,6	-	-	-		
89	OHX	1	4172	-	0,6,6	-	-	-		
89	OHX	2	2160	-	0,6,6	-	-	-		
89	OHX	1	4079	-	0,6,6	-	-	-		
89	OHX	6	2149	-	0,6,6	-	-	-		
89	OHX	5	4144	88	0,6,6	-	-	-		
89	OHX	1	4063	-	0,6,6	-	-	-		
89	OHX	5	4187	-	0,6,6	-	-	-		
89	OHX	2	2154	-	0,6,6	-	-	-		
89	OHX	1	4158	-	0,6,6	-	-	-		
89	OHX	5	4201	-	0,6,6	-	-	-		
89	OHX	6	2148	-	0,6,6	-	-	-		
89	OHX	4	230	-	0,6,6	-	-	-		
89	OHX	5	4218	-	0,6,6	-	-	-		
89	OHX	1	3876	-	0,6,6	-	-	-		
89	OHX	1	3980	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
89	OHX	5	4069	-	0,6,6	-	-	-		
89	OHX	6	2196	-	0,6,6	-	-	-		
89	OHX	1	3909	-	0,6,6	-	-	-		
89	OHX	1	4143	-	0,6,6	-	-	-		
89	OHX	5	4165	-	0,6,6	-	-	-		
89	OHX	1	4140	-	0,6,6	-	-	-		
89	OHX	1	4183	-	0,6,6	-	-	-		
89	OHX	2	2148	-	0,6,6	-	-	-		
89	OHX	2	2053	-	0,6,6	-	-	-		
89	OHX	1	3923	-	0,6,6	-	-	-		
89	OHX	5	4132	-	0,6,6	-	-	-		
89	OHX	1	3966	-	0,6,6	-	-	-		
89	OHX	5	4059	-	0,6,6	-	-	-		
89	OHX	1	4127	-	0,6,6	-	-	-		
89	OHX	5	4091	88	0,6,6	-	-	-		
89	OHX	2	2129	-	0,6,6	-	-	-		
89	OHX	2	2158	-	0,6,6	-	-	-		
89	OHX	1	3961	-	0,6,6	-	-	-		
89	OHX	1	4154	-	0,6,6	-	-	-		
89	OHX	1	3921	-	0,6,6	-	-	-		
89	OHX	6	2092	-	0,6,6	-	-	-		
89	OHX	L3	407	-	0,6,6	-	-	-		
89	OHX	1	4120	-	0,6,6	-	-	-		
89	OHX	2	2084	-	0,6,6	-	-	-		
89	OHX	6	2113	-	0,6,6	-	-	-		
89	OHX	5	4006	-	0,6,6	-	-	-		
89	OHX	1	4160	-	0,6,6	-	-	-		
89	OHX	2	2079	88	0,6,6	-	-	-		
89	OHX	6	2142	-	0,6,6	-	-	-		
89	OHX	6	2161	-	0,6,6	-	-	-		
89	OHX	SR	401	-	0,6,6	-	-	-		
89	OHX	5	4081	-	0,6,6	-	-	-		
89	OHX	5	4219	-	0,6,6	-	-	-		
89	OHX	1	3997	-	0,6,6	-	-	-		
89	OHX	1	4092	-	0,6,6	-	-	-		
89	OHX	2	2165	-	0,6,6	-	-	-		
89	OHX	1	4176	-	0,6,6	-	-	-		
89	OHX	6	2110	-	0,6,6	-	-	-		
89	OHX	3	218	-	0,6,6	-	-	-		
89	OHX	5	4049	-	0,6,6	-	-	-		
89	OHX	1	3993	88	0,6,6	-	-	-		
89	OHX	5	4025	-	0,6,6	-	-	-		
89	OHX	2	2136	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
89	OHX	2	2180	88	0,6,6	-	-	-		
89	OHX	1	4145	-	0,6,6	-	-	-		
89	OHX	1	3902	-	0,6,6	-	-	-		
89	OHX	5	4168	-	0,6,6	-	-	-		
89	OHX	8	220	-	0,6,6	-	-	-		
89	OHX	1	3950	-	0,6,6	-	-	-		
89	OHX	7	225	88	0,6,6	-	-	-		
89	OHX	1	3886	-	0,6,6	-	-	-		
89	OHX	1	4113	-	0,6,6	-	-	-		
89	OHX	2	2141	-	0,6,6	-	-	-		
89	OHX	5	4086	-	0,6,6	-	-	-		
89	OHX	5	4039	-	0,6,6	-	-	-		
89	OHX	6	2195	-	0,6,6	-	-	-		
89	OHX	1	4180	88	0,6,6	-	-	-		
89	OHX	5	4063	-	0,6,6	-	-	-		
89	OHX	15	306	-	0,6,6	-	-	-		
89	OHX	5	4215	-	0,6,6	-	-	-		
89	OHX	2	2147	-	0,6,6	-	-	-		
89	OHX	1	4083	-	0,6,6	-	-	-		
89	OHX	6	2173	-	0,6,6	-	-	-		
89	OHX	1	4048	-	0,6,6	-	-	-		
89	OHX	1	4090	-	0,6,6	-	-	-		
89	OHX	6	2151	-	0,6,6	-	-	-		
89	OHX	5	4255	-	0,6,6	-	-	-		
89	OHX	2	2095	-	0,6,6	-	-	-		
89	OHX	2	2039	-	0,6,6	-	-	-		
89	OHX	1	4045	-	0,6,6	-	-	-		
89	OHX	5	3980	-	0,6,6	-	-	-		
89	OHX	6	2189	-	0,6,6	-	-	-		
89	OHX	5	3964	88	0,6,6	-	-	-		
89	OHX	1	3882	-	0,6,6	-	-	-		
89	OHX	5	4010	-	0,6,6	-	-	-		
89	OHX	5	4222	-	0,6,6	-	-	-		
89	OHX	1	4000	-	0,6,6	-	-	-		
89	OHX	1	4069	-	0,6,6	-	-	-		
89	OHX	5	4242	-	0,6,6	-	-	-		
89	OHX	2	2055	-	0,6,6	-	-	-		
89	OHX	5	4085	-	0,6,6	-	-	-		
89	OHX	1	3936	-	0,6,6	-	-	-		
89	OHX	1	4070	-	0,6,6	-	-	-		
89	OHX	1	4016	88	0,6,6	-	-	-		
89	OHX	6	2140	-	0,6,6	-	-	-		
89	OHX	n9	101	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
89	OHX	5	4088	88	0,6,6	-	-	-		
89	OHX	5	4199	-	0,6,6	-	-	-		
89	OHX	6	2080	-	0,6,6	-	-	-		
89	OHX	5	4154	-	0,6,6	-	-	-		
89	OHX	1	4020	-	0,6,6	-	-	-		
89	OHX	1	3962	-	0,6,6	-	-	-		
89	OHX	6	2045	-	0,6,6	-	-	-		
89	OHX	5	4130	-	0,6,6	-	-	-		
89	OHX	5	4167	-	0,6,6	-	-	-		
89	OHX	5	4213	88	0,6,6	-	-	-		
89	OHX	1	3982	-	0,6,6	-	-	-		
89	OHX	1	4064	-	0,6,6	-	-	-		
89	OHX	1	4134	-	0,6,6	-	-	-		
89	OHX	1	4169	-	0,6,6	-	-	-		
89	OHX	6	2072	-	0,6,6	-	-	-		
89	OHX	5	4171	-	0,6,6	-	-	-		
89	OHX	5	4177	-	0,6,6	-	-	-		
89	OHX	1	3878	-	0,6,6	-	-	-		
89	OHX	5	3932	-	0,6,6	-	-	-		
89	OHX	1	4074	-	0,6,6	-	-	-		
89	OHX	6	2116	-	0,6,6	-	-	-		
89	OHX	5	4045	-	0,6,6	-	-	-		
89	OHX	1	4024	-	0,6,6	-	-	-		
89	OHX	5	3989	-	0,6,6	-	-	-		
89	OHX	5	4164	-	0,6,6	-	-	-		
89	OHX	5	4047	-	0,6,6	-	-	-		
89	OHX	6	2093	-	0,6,6	-	-	-		
89	OHX	6	2164	-	0,6,6	-	-	-		
89	OHX	1	3912	-	0,6,6	-	-	-		
89	OHX	5	4139	-	0,6,6	-	-	-		
89	OHX	6	2070	88	0,6,6	-	-	-		
89	OHX	5	3953	-	0,6,6	-	-	-		
89	OHX	5	4101	88	0,6,6	-	-	-		
89	OHX	3	216	-	0,6,6	-	-	-		
89	OHX	1	3933	-	0,6,6	-	-	-		
89	OHX	1	4175	-	0,6,6	-	-	-		
89	OHX	6	2121	-	0,6,6	-	-	-		
89	OHX	2	2166	-	0,6,6	-	-	-		
89	OHX	2	2062	-	0,6,6	-	-	-		
89	OHX	2	2086	-	0,6,6	-	-	-		
89	OHX	2	2092	-	0,6,6	-	-	-		
89	OHX	1	4178	-	0,6,6	-	-	-		
89	OHX	1	4217	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
89	OHX	6	2159	-	0,6,6	-	-	-		
89	OHX	5	4044	-	0,6,6	-	-	-		
89	OHX	5	4113	-	0,6,6	-	-	-		
89	OHX	5	4194	-	0,6,6	-	-	-		
89	OHX	1	3939	88	0,6,6	-	-	-		
89	OHX	6	2166	-	0,6,6	-	-	-		
89	OHX	6	2074	-	0,6,6	-	-	-		
89	OHX	1	4032	-	0,6,6	-	-	-		
89	OHX	2	2071	-	0,6,6	-	-	-		
89	OHX	1	4199	-	0,6,6	-	-	-		
89	OHX	5	3971	-	0,6,6	-	-	-		
89	OHX	1	4181	-	0,6,6	-	-	-		
89	OHX	1	4208	-	0,6,6	-	-	-		
89	OHX	1	4008	-	0,6,6	-	-	-		
89	OHX	2	2058	88	0,6,6	-	-	-		
89	OHX	1	4049	-	0,6,6	-	-	-		
89	OHX	6	2169	-	0,6,6	-	-	-		
89	OHX	5	3910	-	0,6,6	-	-	-		
89	OHX	5	4098	-	0,6,6	-	-	-		
89	OHX	2	2049	-	0,6,6	-	-	-		
89	OHX	6	2143	88	0,6,6	-	-	-		
89	OHX	1	3897	88	0,6,6	-	-	-		
89	OHX	5	4029	-	0,6,6	-	-	-		
89	OHX	13	407	-	0,6,6	-	-	-		
89	OHX	1	3931	-	0,6,6	-	-	-		
89	OHX	5	3974	-	0,6,6	-	-	-		
89	OHX	5	4000	-	0,6,6	-	-	-		
89	OHX	5	3942	88	0,6,6	-	-	-		
89	OHX	2	2074	-	0,6,6	-	-	-		
89	OHX	3	222	-	0,6,6	-	-	-		
89	OHX	5	4077	-	0,6,6	-	-	-		
89	OHX	1	3965	-	0,6,6	-	-	-		
89	OHX	1	4005	-	0,6,6	-	-	-		
89	OHX	2	2134	-	0,6,6	-	-	-		
89	OHX	5	4080	-	0,6,6	-	-	-		
89	OHX	5	3988	-	0,6,6	-	-	-		
89	OHX	5	4166	-	0,6,6	-	-	-		
89	OHX	1	4168	-	0,6,6	-	-	-		
89	OHX	1	4112	-	0,6,6	-	-	-		
89	OHX	6	2044	-	0,6,6	-	-	-		
89	OHX	1	4159	-	0,6,6	-	-	-		
89	OHX	6	2123	-	0,6,6	-	-	-		
89	OHX	5	4120	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
89	OHX	5	4175	-	0,6,6	-	-	-		
89	OHX	L3	406	-	0,6,6	-	-	-		
89	OHX	2	2164	-	0,6,6	-	-	-		
89	OHX	5	4238	-	0,6,6	-	-	-		
89	OHX	6	2120	-	0,6,6	-	-	-		
89	OHX	8	219	-	0,6,6	-	-	-		
89	OHX	5	4163	88	0,6,6	-	-	-		
89	OHX	2	2103	-	0,6,6	-	-	-		
89	OHX	2	2093	-	0,6,6	-	-	-		
89	OHX	6	2047	-	0,6,6	-	-	-		
89	OHX	5	4093	-	0,6,6	-	-	-		
89	OHX	5	3982	-	0,6,6	-	-	-		
89	OHX	5	4135	88	0,6,6	-	-	-		
89	OHX	5	4243	-	0,6,6	-	-	-		
89	OHX	1	4044	-	0,6,6	-	-	-		
89	OHX	1	3922	88	0,6,6	-	-	-		
89	OHX	1	4215	-	0,6,6	-	-	-		
89	OHX	2	2085	-	0,6,6	-	-	-		
89	OHX	1	4214	-	0,6,6	-	-	-		
89	OHX	1	4021	-	0,6,6	-	-	-		
89	OHX	1	4224	88	0,6,6	-	-	-		
89	OHX	1	3992	88	0,6,6	-	-	-		
89	OHX	6	2090	88	0,6,6	-	-	-		
89	OHX	3	219	-	0,6,6	-	-	-		
89	OHX	6	2199	-	0,6,6	-	-	-		
89	OHX	5	3929	-	0,6,6	-	-	-		
89	OHX	2	2157	-	0,6,6	-	-	-		
89	OHX	5	3954	-	0,6,6	-	-	-		
89	OHX	6	2088	88	0,6,6	-	-	-		
89	OHX	2	2153	-	0,6,6	-	-	-		
89	OHX	5	3960	88	0,6,6	-	-	-		
89	OHX	2	2024	-	0,6,6	-	-	-		
89	OHX	5	4075	-	0,6,6	-	-	-		
89	OHX	5	4089	-	0,6,6	-	-	-		
89	OHX	1	4182	-	0,6,6	-	-	-		
89	OHX	5	4058	-	0,6,6	-	-	-		
89	OHX	2	2073	-	0,6,6	-	-	-		
89	OHX	6	2081	-	0,6,6	-	-	-		
89	OHX	6	2153	88	0,6,6	-	-	-		
89	OHX	6	2156	-	0,6,6	-	-	-		
89	OHX	5	3912	-	0,6,6	-	-	-		
89	OHX	1	4213	-	0,6,6	-	-	-		
89	OHX	5	3944	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
89	OHX	5	4100	-	0,6,6	-	-	-		
89	OHX	6	2165	-	0,6,6	-	-	-		
89	OHX	8	224	-	0,6,6	-	-	-		
89	OHX	1	4080	-	0,6,6	-	-	-		
89	OHX	5	4052	-	0,6,6	-	-	-		
89	OHX	5	4191	-	0,6,6	-	-	-		
89	OHX	1	4051	-	0,6,6	-	-	-		
89	OHX	1	3988	-	0,6,6	-	-	-		
89	OHX	1	4166	-	0,6,6	-	-	-		
89	OHX	5	4076	-	0,6,6	-	-	-		
89	OHX	5	4131	-	0,6,6	-	-	-		
89	OHX	5	3978	-	0,6,6	-	-	-		
89	OHX	1	3951	-	0,6,6	-	-	-		
89	OHX	6	2066	88	0,6,6	-	-	-		
89	OHX	2	2178	-	0,6,6	-	-	-		
89	OHX	5	4042	-	0,6,6	-	-	-		
89	OHX	c8	202	-	0,6,6	-	-	-		
89	OHX	5	3948	-	0,6,6	-	-	-		
89	OHX	1	3986	88	0,6,6	-	-	-		
89	OHX	5	4143	-	0,6,6	-	-	-		
89	OHX	1	4144	-	0,6,6	-	-	-		
89	OHX	6	2180	-	0,6,6	-	-	-		
89	OHX	2	2029	-	0,6,6	-	-	-		
89	OHX	5	4014	-	0,6,6	-	-	-		
89	OHX	1	4099	-	0,6,6	-	-	-		
89	OHX	1	4148	-	0,6,6	-	-	-		
89	OHX	4	222	-	0,6,6	-	-	-		
89	OHX	5	3905	-	0,6,6	-	-	-		
89	OHX	6	2118	-	0,6,6	-	-	-		
89	OHX	2	2097	-	0,6,6	-	-	-		
89	OHX	6	2109	-	0,6,6	-	-	-		
89	OHX	5	4247	-	0,6,6	-	-	-		
89	OHX	3	223	-	0,6,6	-	-	-		
89	OHX	6	2048	-	0,6,6	-	-	-		
89	OHX	c5	201	-	0,6,6	-	-	-		
89	OHX	6	2108	-	0,6,6	-	-	-		
89	OHX	5	3962	88	0,6,6	-	-	-		
89	OHX	2	2043	88	0,6,6	-	-	-		
89	OHX	1	3894	-	0,6,6	-	-	-		
89	OHX	1	3938	-	0,6,6	-	-	-		
89	OHX	5	4192	-	0,6,6	-	-	-		
89	OHX	2	2072	-	0,6,6	-	-	-		
89	OHX	1	4067	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
89	OHX	2	2175	-	0,6,6	-	-	-		
89	OHX	5	4017	-	0,6,6	-	-	-		
89	OHX	1	4011	-	0,6,6	-	-	-		
89	OHX	1	4105	-	0,6,6	-	-	-		
89	OHX	5	3956	-	0,6,6	-	-	-		
89	OHX	1	4138	88	0,6,6	-	-	-		
89	OHX	2	2050	-	0,6,6	-	-	-		
89	OHX	5	3949	-	0,6,6	-	-	-		
89	OHX	5	3983	-	0,6,6	-	-	-		
89	OHX	6	2186	-	0,6,6	-	-	-		
89	OHX	2	2113	-	0,6,6	-	-	-		
89	OHX	5	4209	-	0,6,6	-	-	-		
89	OHX	6	2104	-	0,6,6	-	-	-		
89	OHX	5	3958	-	0,6,6	-	-	-		
89	OHX	2	2132	-	0,6,6	-	-	-		
89	OHX	1	3959	-	0,6,6	-	-	-		
89	OHX	1	3991	-	0,6,6	-	-	-		
89	OHX	1	3968	-	0,6,6	-	-	-		
89	OHX	1	4029	-	0,6,6	-	-	-		
89	OHX	1	3920	-	0,6,6	-	-	-		
89	OHX	5	3993	-	0,6,6	-	-	-		
89	OHX	5	4204	-	0,6,6	-	-	-		
89	OHX	1	4094	-	0,6,6	-	-	-		
89	OHX	1	4054	-	0,6,6	-	-	-		
89	OHX	5	4205	-	0,6,6	-	-	-		
89	OHX	1	4030	-	0,6,6	-	-	-		
89	OHX	2	2149	-	0,6,6	-	-	-		
89	OHX	M5	305	-	0,6,6	-	-	-		
89	OHX	6	2131	-	0,6,6	-	-	-		
89	OHX	2	2108	-	0,6,6	-	-	-		
89	OHX	1	4133	-	0,6,6	-	-	-		
89	OHX	6	2087	-	0,6,6	-	-	-		
89	OHX	5	3976	-	0,6,6	-	-	-		
89	OHX	1	3890	-	0,6,6	-	-	-		
89	OHX	1	4192	-	0,6,6	-	-	-		
89	OHX	5	3979	-	0,6,6	-	-	-		
89	OHX	7	221	-	0,6,6	-	-	-		
89	OHX	5	4087	-	0,6,6	-	-	-		
89	OHX	1	3984	-	0,6,6	-	-	-		
89	OHX	5	4155	-	0,6,6	-	-	-		
89	OHX	1	4195	88	0,6,6	-	-	-		
89	OHX	5	4156	-	0,6,6	-	-	-		
89	OHX	1	4102	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
89	OHX	6	2137	-	0,6,6	-	-	-		
89	OHX	1	4131	-	0,6,6	-	-	-		
89	OHX	2	2173	-	0,6,6	-	-	-		
89	OHX	1	3929	-	0,6,6	-	-	-		
89	OHX	5	4111	88	0,6,6	-	-	-		
89	OHX	1	3949	-	0,6,6	-	-	-		
89	OHX	1	3943	-	0,6,6	-	-	-		
89	OHX	1	4162	-	0,6,6	-	-	-		
89	OHX	1	3983	-	0,6,6	-	-	-		
89	OHX	1	4055	88	0,6,6	-	-	-		
89	OHX	1	3972	-	0,6,6	-	-	-		
89	OHX	1	4167	-	0,6,6	-	-	-		
89	OHX	1	4089	-	0,6,6	-	-	-		
89	OHX	O3	201	-	0,6,6	-	-	-		
89	OHX	6	2176	-	0,6,6	-	-	-		
89	OHX	5	3913	-	0,6,6	-	-	-		
89	OHX	5	4189	-	0,6,6	-	-	-		
89	OHX	1	3955	88	0,6,6	-	-	-		
89	OHX	2	2045	-	0,6,6	-	-	-		
89	OHX	1	4106	-	0,6,6	-	-	-		
89	OHX	6	2155	-	0,6,6	-	-	-		
89	OHX	1	4163	-	0,6,6	-	-	-		
89	OHX	1	4042	-	0,6,6	-	-	-		
89	OHX	6	2132	-	0,6,6	-	-	-		
89	OHX	5	4197	-	0,6,6	-	-	-		
89	OHX	5	4228	-	0,6,6	-	-	-		
89	OHX	5	3925	-	0,6,6	-	-	-		
89	OHX	1	4100	-	0,6,6	-	-	-		
89	OHX	2	2047	-	0,6,6	-	-	-		
89	OHX	1	4031	-	0,6,6	-	-	-		
89	OHX	1	3891	-	0,6,6	-	-	-		
89	OHX	6	2179	-	0,6,6	-	-	-		
89	OHX	1	4124	-	0,6,6	-	-	-		
89	OHX	5	4011	88	0,6,6	-	-	-		
89	OHX	7	217	-	0,6,6	-	-	-		
89	OHX	2	2142	-	0,6,6	-	-	-		
89	OHX	1	3898	-	0,6,6	-	-	-		
89	OHX	3	221	-	0,6,6	-	-	-		
89	OHX	2	2094	-	0,6,6	-	-	-		
89	OHX	2	2137	-	0,6,6	-	-	-		
89	OHX	1	3914	88	0,6,6	-	-	-		
89	OHX	1	4202	-	0,6,6	-	-	-		
89	OHX	2	2110	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
89	OHX	1	3889	-	0,6,6	-	-	-		
89	OHX	5	3930	88	0,6,6	-	-	-		
89	OHX	5	3966	-	0,6,6	-	-	-		
89	OHX	5	4176	88	0,6,6	-	-	-		
89	OHX	2	2116	-	0,6,6	-	-	-		
89	OHX	1	4111	-	0,6,6	-	-	-		
89	OHX	5	3994	-	0,6,6	-	-	-		
89	OHX	1	4206	-	0,6,6	-	-	-		
89	OHX	6	2145	-	0,6,6	-	-	-		
89	OHX	4	223	-	0,6,6	-	-	-		
89	OHX	1	3905	-	0,6,6	-	-	-		
89	OHX	5	4227	88	0,6,6	-	-	-		
89	OHX	2	2032	-	0,6,6	-	-	-		
89	OHX	5	4051	88	0,6,6	-	-	-		
89	OHX	5	3937	88	0,6,6	-	-	-		
89	OHX	6	2154	-	0,6,6	-	-	-		
89	OHX	5	4134	-	0,6,6	-	-	-		
89	OHX	2	2143	88	0,6,6	-	-	-		
89	OHX	6	2064	-	0,6,6	-	-	-		
89	OHX	1	4126	-	0,6,6	-	-	-		
89	OHX	1	4059	-	0,6,6	-	-	-		
89	OHX	6	2059	-	0,6,6	-	-	-		
89	OHX	n3	204	-	0,6,6	-	-	-		
89	OHX	1	4207	-	0,6,6	-	-	-		
89	OHX	5	4053	-	0,6,6	-	-	-		
89	OHX	2	2114	-	0,6,6	-	-	-		
89	OHX	n3	203	-	0,6,6	-	-	-		
89	OHX	l3	405	-	0,6,6	-	-	-		
89	OHX	5	4257	-	0,6,6	-	-	-		
89	OHX	2	2042	-	0,6,6	-	-	-		
89	OHX	6	2115	-	0,6,6	-	-	-		
89	OHX	1	3987	-	0,6,6	-	-	-		
89	OHX	6	2078	-	0,6,6	-	-	-		
89	OHX	1	4164	-	0,6,6	-	-	-		
89	OHX	5	3947	-	0,6,6	-	-	-		
89	OHX	l4	404	-	0,6,6	-	-	-		
89	OHX	1	4155	-	0,6,6	-	-	-		
89	OHX	1	3940	-	0,6,6	-	-	-		
89	OHX	1	3953	-	0,6,6	-	-	-		
89	OHX	1	4122	-	0,6,6	-	-	-		
89	OHX	5	4083	-	0,6,6	-	-	-		
89	OHX	5	4123	-	0,6,6	-	-	-		
89	OHX	1	3960	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
89	OHX	5	3906	-	0,6,6	-	-	-		
89	OHX	5	4079	-	0,6,6	-	-	-		
89	OHX	2	2152	-	0,6,6	-	-	-		
89	OHX	1	4110	-	0,6,6	-	-	-		
89	OHX	5	4031	-	0,6,6	-	-	-		
89	OHX	M7	206	88	0,6,6	-	-	-		
89	OHX	1	4002	-	0,6,6	-	-	-		
89	OHX	8	230	-	0,6,6	-	-	-		
89	OHX	2	2123	-	0,6,6	-	-	-		
89	OHX	6	2178	-	0,6,6	-	-	-		
89	OHX	5	4148	-	0,6,6	-	-	-		
89	OHX	1	4046	-	0,6,6	-	-	-		
89	OHX	2	2119	-	0,6,6	-	-	-		
89	OHX	1	3945	-	0,6,6	-	-	-		
89	OHX	6	2105	1	0,6,6	-	-	-		
89	OHX	1	4087	-	0,6,6	-	-	-		
89	OHX	C8	202	-	0,6,6	-	-	-		
89	OHX	2	2061	-	0,6,6	-	-	-		
89	OHX	4	226	-	0,6,6	-	-	-		
89	OHX	5	4057	-	0,6,6	-	-	-		
89	OHX	2	2070	-	0,6,6	-	-	-		
89	OHX	2	2060	-	0,6,6	-	-	-		
89	OHX	2	2067	-	0,6,6	-	-	-		
89	OHX	5	4151	88	0,6,6	-	-	-		
89	OHX	1	3964	-	0,6,6	-	-	-		
89	OHX	6	2068	-	0,6,6	-	-	-		
89	OHX	4	233	-	0,6,6	-	-	-		
89	OHX	2	2121	-	0,6,6	-	-	-		
89	OHX	1	4201	88	0,6,6	-	-	-		
89	OHX	2	2038	-	0,6,6	-	-	-		
89	OHX	2	2159	-	0,6,6	-	-	-		
89	OHX	1	4104	-	0,6,6	-	-	-		
89	OHX	6	2139	-	0,6,6	-	-	-		
89	OHX	5	3969	-	0,6,6	-	-	-		
89	OHX	3	225	-	0,6,6	-	-	-		
89	OHX	5	4074	-	0,6,6	-	-	-		
89	OHX	1	4139	-	0,6,6	-	-	-		
89	OHX	l5	305	-	0,6,6	-	-	-		
89	OHX	1	4204	-	0,6,6	-	-	-		
89	OHX	1	4212	-	0,6,6	-	-	-		
89	OHX	6	2106	-	0,6,6	-	-	-		
89	OHX	1	4088	-	0,6,6	-	-	-		
89	OHX	1	4095	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
89	OHX	5	3981	-	0,6,6	-	-	-		
89	OHX	6	2181	-	0,6,6	-	-	-		
89	OHX	5	4102	-	0,6,6	-	-	-		
89	OHX	1	3946	-	0,6,6	-	-	-		
89	OHX	2	2169	-	0,6,6	-	-	-		
89	OHX	6	2107	-	0,6,6	-	-	-		
89	OHX	d9	102	-	0,6,6	-	-	-		
89	OHX	5	4071	-	0,6,6	-	-	-		
89	OHX	1	4075	-	0,6,6	-	-	-		
89	OHX	2	2118	-	0,6,6	-	-	-		
89	OHX	2	2066	-	0,6,6	-	-	-		
89	OHX	1	4190	-	0,6,6	-	-	-		
89	OHX	M7	207	-	0,6,6	-	-	-		
89	OHX	3	215	-	0,6,6	-	-	-		
89	OHX	2	2155	-	0,6,6	-	-	-		
89	OHX	6	2083	-	0,6,6	-	-	-		
89	OHX	5	3927	-	0,6,6	-	-	-		
89	OHX	1	4068	-	0,6,6	-	-	-		
89	OHX	1	3907	-	0,6,6	-	-	-		
89	OHX	1	3877	-	0,6,6	-	-	-		
89	OHX	1	3932	88	0,6,6	-	-	-		
89	OHX	1	4034	-	0,6,6	-	-	-		
89	OHX	1	4187	-	0,6,6	-	-	-		
89	OHX	5	4009	-	0,6,6	-	-	-		
89	OHX	5	3940	-	0,6,6	-	-	-		
89	OHX	5	4244	-	0,6,6	-	-	-		
89	OHX	2	2035	-	0,6,6	-	-	-		
89	OHX	1	3901	-	0,6,6	-	-	-		
89	OHX	5	4122	-	0,6,6	-	-	-		
89	OHX	2	2030	-	0,6,6	-	-	-		
89	OHX	1	4047	-	0,6,6	-	-	-		
89	OHX	1	4219	-	0,6,6	-	-	-		
89	OHX	m0	302	-	0,6,6	-	-	-		
89	OHX	2	2120	-	0,6,6	-	-	-		
89	OHX	1	3919	-	0,6,6	-	-	-		
89	OHX	1	4189	-	0,6,6	-	-	-		
89	OHX	1	4191	-	0,6,6	-	-	-		
89	OHX	C3	201	-	0,6,6	-	-	-		
89	OHX	5	4211	-	0,6,6	-	-	-		
89	OHX	5	3914	-	0,6,6	-	-	-		
89	OHX	5	4115	-	0,6,6	-	-	-		
89	OHX	1	3934	88	0,6,6	-	-	-		
89	OHX	6	2190	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
89	OHX	m0	301	-	0,6,6	-	-	-		
89	OHX	2	2027	-	0,6,6	-	-	-		
89	OHX	5	3961	88	0,6,6	-	-	-		
89	OHX	2	2088	-	0,6,6	-	-	-		
89	OHX	5	3911	-	0,6,6	-	-	-		
89	OHX	8	223	-	0,6,6	-	-	-		
89	OHX	5	4208	-	0,6,6	-	-	-		
89	OHX	2	2104	-	0,6,6	-	-	-		
89	OHX	2	2131	-	0,6,6	-	-	-		
89	OHX	2	2026	-	0,6,6	-	-	-		
89	OHX	5	3999	-	0,6,6	-	-	-		
89	OHX	5	4082	-	0,6,6	-	-	-		
89	OHX	5	4062	-	0,6,6	-	-	-		
89	OHX	5	4157	-	0,6,6	-	-	-		
89	OHX	1	3910	-	0,6,6	-	-	-		
89	OHX	1	4173	-	0,6,6	-	-	-		
89	OHX	5	4016	88	0,6,6	-	-	-		
89	OHX	1	3935	-	0,6,6	-	-	-		
89	OHX	5	4066	-	0,6,6	-	-	-		
89	OHX	5	4146	-	0,6,6	-	-	-		
89	OHX	7	223	-	0,6,6	-	-	-		
89	OHX	2	2146	-	0,6,6	-	-	-		
89	OHX	1	4196	-	0,6,6	-	-	-		
89	OHX	2	2122	-	0,6,6	-	-	-		
89	OHX	1	4009	-	0,6,6	-	-	-		
89	OHX	5	4065	-	0,6,6	-	-	-		
89	OHX	5	4161	-	0,6,6	-	-	-		
89	OHX	1	4056	-	0,6,6	-	-	-		
89	OHX	6	2146	-	0,6,6	-	-	-		
89	OHX	5	3987	-	0,6,6	-	-	-		
89	OHX	2	2176	-	0,6,6	-	-	-		
89	OHX	2	2170	-	0,6,6	-	-	-		
89	OHX	1	3900	88	0,6,6	-	-	-		
89	OHX	6	2052	-	0,6,6	-	-	-		
89	OHX	1	4014	-	0,6,6	-	-	-		
89	OHX	1	4218	-	0,6,6	-	-	-		
89	OHX	2	2100	-	0,6,6	-	-	-		
89	OHX	6	2069	-	0,6,6	-	-	-		
89	OHX	6	2103	-	0,6,6	-	-	-		
89	OHX	2	2156	-	0,6,6	-	-	-		
89	OHX	6	2117	-	0,6,6	-	-	-		
89	OHX	5	4145	-	0,6,6	-	-	-		
89	OHX	5	3968	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
89	OHX	5	4183	-	0,6,6	-	-	-		
89	OHX	5	4246	-	0,6,6	-	-	-		
89	OHX	5	4128	-	0,6,6	-	-	-		
89	OHX	2	2040	-	0,6,6	-	-	-		
89	OHX	6	2135	-	0,6,6	-	-	-		
89	OHX	5	3922	-	0,6,6	-	-	-		
89	OHX	1	3937	-	0,6,6	-	-	-		
89	OHX	5	4214	-	0,6,6	-	-	-		
89	OHX	5	4021	-	0,6,6	-	-	-		
89	OHX	5	4180	88	0,6,6	-	-	-		
89	OHX	4	221	-	0,6,6	-	-	-		
89	OHX	1	4057	-	0,6,6	-	-	-		
89	OHX	1	4141	88	0,6,6	-	-	-		
89	OHX	6	2096	-	0,6,6	-	-	-		
89	OHX	1	3880	-	0,6,6	-	-	-		
89	OHX	5	4034	-	0,6,6	-	-	-		
89	OHX	1	4130	88	0,6,6	-	-	-		
89	OHX	2	2109	-	0,6,6	-	-	-		
89	OHX	1	4151	-	0,6,6	-	-	-		
89	OHX	s1	302	88	0,6,6	-	-	-		
89	OHX	2	2048	-	0,6,6	-	-	-		
89	OHX	1	4171	-	0,6,6	-	-	-		
89	OHX	5	3902	-	0,6,6	-	-	-		
89	OHX	4	231	-	0,6,6	-	-	-		
89	OHX	6	2089	-	0,6,6	-	-	-		
89	OHX	6	2054	-	0,6,6	-	-	-		
89	OHX	1	4184	-	0,6,6	-	-	-		
89	OHX	5	4046	-	0,6,6	-	-	-		
89	OHX	5	4250	-	0,6,6	-	-	-		
89	OHX	d4	202	-	0,6,6	-	-	-		
89	OHX	8	229	-	0,6,6	-	-	-		
89	OHX	1	4093	-	0,6,6	-	-	-		
89	OHX	1	4146	-	0,6,6	-	-	-		
89	OHX	5	3933	-	0,6,6	-	-	-		
89	OHX	5	4033	-	0,6,6	-	-	-		
89	OHX	5	4070	-	0,6,6	-	-	-		
89	OHX	6	2051	-	0,6,6	-	-	-		
89	OHX	1	3918	88	0,6,6	-	-	-		
89	OHX	1	3926	-	0,6,6	-	-	-		
89	OHX	5	4256	88	0,6,6	-	-	-		
89	OHX	5	3975	-	0,6,6	-	-	-		
89	OHX	1	4101	-	0,6,6	-	-	-		
89	OHX	D9	102	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
89	OHX	5	4103	-	0,6,6	-	-	-		
89	OHX	5	4064	-	0,6,6	-	-	-		
89	OHX	5	4169	-	0,6,6	-	-	-		
89	OHX	2	2057	-	0,6,6	-	-	-		
89	OHX	2	2112	-	0,6,6	-	-	-		
89	OHX	5	4129	-	0,6,6	-	-	-		
89	OHX	1	4185	-	0,6,6	-	-	-		
89	OHX	6	2133	-	0,6,6	-	-	-		
89	OHX	6	2144	-	0,6,6	-	-	-		
89	OHX	6	2057	-	0,6,6	-	-	-		
89	OHX	2	2145	-	0,6,6	-	-	-		
89	OHX	5	4137	-	0,6,6	-	-	-		
89	OHX	5	3909	-	0,6,6	-	-	-		
89	OHX	6	2119	88	0,6,6	-	-	-		
89	OHX	5	3952	-	0,6,6	-	-	-		
89	OHX	5	3990	-	0,6,6	-	-	-		
89	OHX	6	2168	-	0,6,6	-	-	-		
89	OHX	5	4020	-	0,6,6	-	-	-		
89	OHX	1	3928	-	0,6,6	-	-	-		
89	OHX	2	2028	88	0,6,6	-	-	-		
89	OHX	1	4097	-	0,6,6	-	-	-		
89	OHX	1	3883	-	0,6,6	-	-	-		
89	OHX	5	4054	88	0,6,6	-	-	-		
89	OHX	1	3963	-	0,6,6	-	-	-		
89	OHX	6	2174	-	0,6,6	-	-	-		
89	OHX	5	3920	88	0,6,6	-	-	-		
89	OHX	1	4193	-	0,6,6	-	-	-		
89	OHX	1	4037	-	0,6,6	-	-	-		
89	OHX	6	2183	-	0,6,6	-	-	-		
89	OHX	5	3901	-	0,6,6	-	-	-		
89	OHX	1	3976	-	0,6,6	-	-	-		
89	OHX	6	2100	-	0,6,6	-	-	-		
89	OHX	5	3931	-	0,6,6	-	-	-		
89	OHX	1	4220	-	0,6,6	-	-	-		
89	OHX	6	2055	-	0,6,6	-	-	-		
89	OHX	6	2192	88	0,6,6	-	-	-		
89	OHX	5	3919	-	0,6,6	-	-	-		
89	OHX	5	4195	-	0,6,6	-	-	-		
89	OHX	6	2094	-	0,6,6	-	-	-		
89	OHX	2	2179	-	0,6,6	-	-	-		
89	OHX	5	4178	-	0,6,6	-	-	-		
89	OHX	1	4136	88	0,6,6	-	-	-		
89	OHX	5	3970	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
89	OHX	5	4028	88	0,6,6	-	-	-		
89	OHX	5	4245	-	0,6,6	-	-	-		
89	OHX	1	4177	-	0,6,6	-	-	-		
89	OHX	5	3939	-	0,6,6	-	-	-		
89	OHX	1	4012	-	0,6,6	-	-	-		
89	OHX	2	2101	-	0,6,6	-	-	-		
89	OHX	5	4078	-	0,6,6	-	-	-		
89	OHX	7	226	-	0,6,6	-	-	-		
89	OHX	5	3996	88	0,6,6	-	-	-		
89	OHX	1	4128	-	0,6,6	-	-	-		
89	OHX	6	2162	-	0,6,6	-	-	-		
89	OHX	8	222	-	0,6,6	-	-	-		
89	OHX	6	2125	-	0,6,6	-	-	-		
89	OHX	6	2170	-	0,6,6	-	-	-		
89	OHX	6	2046	-	0,6,6	-	-	-		
89	OHX	1	4226	-	0,6,6	-	-	-		
89	OHX	1	3947	-	0,6,6	-	-	-		
89	OHX	1	3978	-	0,6,6	-	-	-		
89	OHX	5	3992	-	0,6,6	-	-	-		
89	OHX	1	4077	-	0,6,6	-	-	-		
89	OHX	6	2184	-	0,6,6	-	-	-		
89	OHX	5	4210	-	0,6,6	-	-	-		
89	OHX	1	4084	88	0,6,6	-	-	-		
89	OHX	5	4002	-	0,6,6	-	-	-		
89	OHX	5	4116	88	0,6,6	-	-	-		
89	OHX	2	2064	88	0,6,6	-	-	-		
89	OHX	1	3904	-	0,6,6	-	-	-		
89	OHX	6	2063	-	0,6,6	-	-	-		
89	OHX	1	3903	88	0,6,6	-	-	-		
89	OHX	M0	303	-	0,6,6	-	-	-		
89	OHX	2	2059	-	0,6,6	-	-	-		
89	OHX	2	2133	88	0,6,6	-	-	-		
89	OHX	5	3991	88	0,6,6	-	-	-		
89	OHX	5	4207	-	0,6,6	-	-	-		
89	OHX	1	3970	-	0,6,6	-	-	-		
89	OHX	1	4137	-	0,6,6	-	-	-		
89	OHX	1	4066	88	0,6,6	-	-	-		
89	OHX	5	4097	-	0,6,6	-	-	-		
89	OHX	3	217	88	0,6,6	-	-	-		
89	OHX	2	2115	-	0,6,6	-	-	-		
89	OHX	1	4085	88	0,6,6	-	-	-		
89	OHX	2	2078	-	0,6,6	-	-	-		
89	OHX	2	2076	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
89	OHX	1	4221	-	0,6,6	-	-	-		
89	OHX	8	218	-	0,6,6	-	-	-		
89	OHX	8	225	-	0,6,6	-	-	-		
89	OHX	6	2056	-	0,6,6	-	-	-		
89	OHX	5	4037	-	0,6,6	-	-	-		
89	OHX	5	4202	-	0,6,6	-	-	-		
89	OHX	4	225	88	0,6,6	-	-	-		
89	OHX	5	4026	88	0,6,6	-	-	-		
89	OHX	1	4076	-	0,6,6	-	-	-		
89	OHX	1	3908	-	0,6,6	-	-	-		
89	OHX	1	4200	-	0,6,6	-	-	-		
89	OHX	2	2098	-	0,6,6	-	-	-		
89	OHX	sR	401	-	0,6,6	-	-	-		
89	OHX	1	4125	88	0,6,6	-	-	-		
89	OHX	5	3965	-	0,6,6	-	-	-		
89	OHX	1	4149	-	0,6,6	-	-	-		
89	OHX	5	4095	-	0,6,6	-	-	-		
89	OHX	5	4035	-	0,6,6	-	-	-		
89	OHX	1	3952	-	0,6,6	-	-	-		
89	OHX	1	3990	-	0,6,6	-	-	-		
89	OHX	M9	203	-	0,6,6	-	-	-		
89	OHX	4	227	-	0,6,6	-	-	-		
89	OHX	6	2126	-	0,6,6	-	-	-		
89	OHX	5	3926	-	0,6,6	-	-	-		
89	OHX	5	3946	-	0,6,6	-	-	-		
89	OHX	2	2105	-	0,6,6	-	-	-		
89	OHX	6	2122	-	0,6,6	-	-	-		
89	OHX	5	4159	-	0,6,6	-	-	-		
89	OHX	5	4225	-	0,6,6	-	-	-		
89	OHX	1	3973	-	0,6,6	-	-	-		
89	OHX	2	2140	-	0,6,6	-	-	-		
89	OHX	m1	202	-	0,6,6	-	-	-		
89	OHX	6	2099	-	0,6,6	-	-	-		
89	OHX	1	4091	-	0,6,6	-	-	-		
89	OHX	2	2138	-	0,6,6	-	-	-		
89	OHX	5	4173	-	0,6,6	-	-	-		
89	OHX	1	4033	-	0,6,6	-	-	-		
89	OHX	5	4008	-	0,6,6	-	-	-		
89	OHX	5	4248	-	0,6,6	-	-	-		
89	OHX	5	3943	88	0,6,6	-	-	-		
89	OHX	5	3945	-	0,6,6	-	-	-		
89	OHX	2	2139	-	0,6,6	-	-	-		
89	OHX	5	3959	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
89	OHX	2	2168	-	0,6,6	-	-	-		
89	OHX	1	4156	-	0,6,6	-	-	-		
89	OHX	2	2087	-	0,6,6	-	-	-		
89	OHX	5	4041	-	0,6,6	-	-	-		
89	OHX	5	4110	-	0,6,6	-	-	-		
89	OHX	1	4026	-	0,6,6	-	-	-		
89	OHX	8	226	-	0,6,6	-	-	-		
89	OHX	5	3904	-	0,6,6	-	-	-		
89	OHX	2	2106	-	0,6,6	-	-	-		
89	OHX	5	4043	-	0,6,6	-	-	-		
89	OHX	6	2049	-	0,6,6	-	-	-		
89	OHX	2	2080	-	0,6,6	-	-	-		
89	OHX	5	4109	-	0,6,6	-	-	-		
89	OHX	2	2107	-	0,6,6	-	-	-		
89	OHX	1	3906	-	0,6,6	-	-	-		
89	OHX	5	4138	-	0,6,6	-	-	-		
89	OHX	1	3977	-	0,6,6	-	-	-		
89	OHX	5	4223	-	0,6,6	-	-	-		
89	OHX	6	2086	-	0,6,6	-	-	-		
89	OHX	5	4004	-	0,6,6	-	-	-		
89	OHX	5	4030	-	0,6,6	-	-	-		
89	OHX	1	4225	88	0,6,6	-	-	-		
89	OHX	1	4165	-	0,6,6	-	-	-		
89	OHX	1	4186	-	0,6,6	-	-	-		
89	OHX	1	4036	-	0,6,6	-	-	-		
89	OHX	1	3881	-	0,6,6	-	-	-		
89	OHX	1	3998	-	0,6,6	-	-	-		
89	OHX	14	403	-	0,6,6	-	-	-		
89	OHX	5	4003	-	0,6,6	-	-	-		
89	OHX	6	2058	-	0,6,6	-	-	-		
89	OHX	5	4206	-	0,6,6	-	-	-		
89	OHX	6	2202	-	0,6,6	-	-	-		
89	OHX	7	220	-	0,6,6	-	-	-		
89	OHX	m5	305	-	0,6,6	-	-	-		
89	OHX	5	4196	88	0,6,6	-	-	-		
89	OHX	2	2096	-	0,6,6	-	-	-		
89	OHX	5	4040	-	0,6,6	-	-	-		
89	OHX	1	4103	-	0,6,6	-	-	-		
89	OHX	5	4252	-	0,6,6	-	-	-		
89	OHX	1	4210	-	0,6,6	-	-	-		
89	OHX	1	4072	-	0,6,6	-	-	-		
89	OHX	5	3924	-	0,6,6	-	-	-		
89	OHX	6	2065	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
89	OHX	5	4019	-	0,6,6	-	-	-		
89	OHX	6	2198	-	0,6,6	-	-	-		
89	OHX	6	2085	-	0,6,6	-	-	-		
89	OHX	1	4174	-	0,6,6	-	-	-		
89	OHX	1	4001	-	0,6,6	-	-	-		
89	OHX	2	2102	-	0,6,6	-	-	-		
89	OHX	2	2054	-	0,6,6	-	-	-		
89	OHX	1	3999	88	0,6,6	-	-	-		
89	OHX	6	2050	-	0,6,6	-	-	-		
89	OHX	5	4050	-	0,6,6	-	-	-		
89	OHX	6	2185	-	0,6,6	-	-	-		
89	OHX	5	3995	88	0,6,6	-	-	-		
89	OHX	5	4251	88	0,6,6	-	-	-		
89	OHX	6	2188	-	0,6,6	-	-	-		
89	OHX	6	2091	-	0,6,6	-	-	-		
89	OHX	1	3994	-	0,6,6	-	-	-		
89	OHX	1	3888	-	0,6,6	-	-	-		
89	OHX	2	2144	-	0,6,6	-	-	-		
89	OHX	1	4025	-	0,6,6	-	-	-		
89	OHX	1	4035	-	0,6,6	-	-	-		
89	OHX	5	4013	-	0,6,6	-	-	-		
89	OHX	5	4096	-	0,6,6	-	-	-		
89	OHX	5	4124	-	0,6,6	-	-	-		
89	OHX	6	2124	-	0,6,6	-	-	-		
89	OHX	1	4152	-	0,6,6	-	-	-		
89	OHX	O7	103	88	0,6,6	-	-	-		
89	OHX	6	2067	88	0,6,6	-	-	-		
89	OHX	c3	201	-	0,6,6	-	-	-		
89	OHX	5	3972	-	0,6,6	-	-	-		
89	OHX	6	2163	-	0,6,6	-	-	-		
89	OHX	5	4084	-	0,6,6	-	-	-		
89	OHX	1	3941	-	0,6,6	-	-	-		
89	OHX	5	4203	-	0,6,6	-	-	-		
89	OHX	1	3873	-	0,6,6	-	-	-		
89	OHX	O7	104	-	0,6,6	-	-	-		
89	OHX	5	3986	-	0,6,6	-	-	-		

There are no bond length outliers.

There are no bond angle outliers.

There are no chirality outliers.

There are no torsion outliers.

There are no ring outliers.

375 monomers are involved in 497 short contacts:

Mol	Chain	Res	Type	Clashes	Symm-Clashes
89	5	4133	OHX	1	0
89	6	2147	OHX	1	0
89	1	3967	OHX	1	0
89	5	3998	OHX	1	0
89	2	2089	OHX	1	0
89	1	4157	OHX	2	0
89	5	4108	OHX	1	0
89	L4	402	OHX	3	0
89	2	2041	OHX	1	0
89	5	4150	OHX	1	0
89	q2	502	OHX	2	0
89	s8	303	OHX	1	0
89	1	4061	OHX	1	0
89	S8	302	OHX	1	0
89	1	4098	OHX	2	0
89	1	3916	OHX	1	0
89	C5	201	OHX	2	0
89	5	3923	OHX	1	0
89	5	4186	OHX	1	0
89	5	4241	OHX	1	0
89	7	218	OHX	2	0
89	5	4024	OHX	1	0
89	2	2031	OHX	1	0
89	1	4027	OHX	1	0
89	5	3997	OHX	1	0
89	5	4099	OHX	1	0
89	1	4022	OHX	1	0
89	1	3892	OHX	2	0
89	5	4015	OHX	2	0
89	5	4188	OHX	1	0
89	6	2077	OHX	1	0
89	1	4108	OHX	1	0
89	6	2084	OHX	1	0
89	2	2044	OHX	6	0
89	5	4117	OHX	1	0
89	5	4231	OHX	1	0
89	1	3985	OHX	2	0
89	5	4022	OHX	6	0
89	5	4090	OHX	1	0
89	6	2152	OHX	1	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
89	o3	202	OHX	1	0
89	5	4141	OHX	2	0
89	5	3985	OHX	2	0
89	2	2099	OHX	7	0
89	5	4114	OHX	1	0
89	2	2036	OHX	3	0
89	1	3957	OHX	1	0
89	2	2051	OHX	1	0
89	8	227	OHX	1	0
89	1	4194	OHX	1	0
89	1	4053	OHX	1	0
89	6	2187	OHX	2	0
89	5	4068	OHX	3	0
89	1	3893	OHX	1	0
89	1	4161	OHX	1	0
89	6	2060	OHX	1	0
89	1	4073	OHX	1	0
89	1	4015	OHX	4	0
89	3	220	OHX	1	0
89	5	4185	OHX	1	0
89	5	4005	OHX	1	0
89	5	4105	OHX	2	0
89	1	3887	OHX	2	0
89	2	2034	OHX	1	0
89	6	2098	OHX	3	0
89	c1	202	OHX	1	0
89	1	3942	OHX	3	0
89	5	3900	OHX	1	0
89	5	4253	OHX	1	0
89	6	2150	OHX	2	0
89	1	3956	OHX	1	0
89	1	3969	OHX	1	0
89	1	4109	OHX	1	0
89	5	3984	OHX	1	0
89	5	4221	OHX	6	0
89	5	4193	OHX	2	0
89	6	2112	OHX	1	0
89	2	2111	OHX	2	0
89	5	3955	OHX	1	0
89	1	3915	OHX	1	0
89	5	4162	OHX	1	0
89	1	3924	OHX	1	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
89	5	4232	OHX	1	0
89	5	4233	OHX	1	0
89	6	2073	OHX	1	0
89	6	2101	OHX	1	0
89	5	3918	OHX	2	0
89	6	2172	OHX	1	0
89	1	4013	OHX	1	0
89	6	2200	OHX	1	0
89	6	2177	OHX	1	0
89	6	2071	OHX	2	0
89	6	2193	OHX	1	0
89	5	4198	OHX	1	0
89	5	3921	OHX	1	0
89	1	4179	OHX	1	0
89	5	3908	OHX	2	0
89	8	228	OHX	1	0
89	6	2134	OHX	1	0
89	6	2194	OHX	1	0
89	5	4230	OHX	3	0
89	6	2175	OHX	1	0
89	4	229	OHX	2	0
89	5	3941	OHX	1	0
89	2	2082	OHX	1	0
89	1	4060	OHX	2	0
89	1	4170	OHX	6	0
89	5	3917	OHX	1	0
89	1	3979	OHX	1	0
89	1	3895	OHX	1	0
89	2	2130	OHX	1	0
89	7	216	OHX	1	0
89	1	3995	OHX	1	0
89	1	4071	OHX	1	0
89	o7	502	OHX	1	0
89	1	4079	OHX	1	0
89	5	4144	OHX	1	0
89	2	2154	OHX	2	0
89	1	4158	OHX	1	0
89	5	4201	OHX	1	0
89	5	4218	OHX	1	0
89	1	3909	OHX	1	0
89	5	4165	OHX	1	0
89	1	4183	OHX	1	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
89	2	2148	OHX	1	0
89	2	2053	OHX	1	0
89	5	4132	OHX	1	0
89	2	2129	OHX	1	0
89	1	3921	OHX	1	0
89	2	2084	OHX	2	0
89	1	4160	OHX	1	0
89	6	2142	OHX	1	0
89	5	4081	OHX	1	0
89	1	3997	OHX	2	0
89	2	2165	OHX	1	0
89	6	2110	OHX	1	0
89	1	3993	OHX	1	0
89	5	4025	OHX	1	0
89	1	4145	OHX	1	0
89	8	220	OHX	1	0
89	1	3950	OHX	1	0
89	7	225	OHX	1	0
89	2	2141	OHX	1	0
89	1	4048	OHX	2	0
89	2	2095	OHX	1	0
89	2	2039	OHX	1	0
89	5	3980	OHX	6	0
89	5	3964	OHX	3	0
89	1	4069	OHX	2	0
89	5	4242	OHX	1	0
89	1	3936	OHX	1	0
89	6	2140	OHX	1	0
89	5	4199	OHX	2	0
89	1	4020	OHX	1	0
89	5	4213	OHX	1	0
89	1	3982	OHX	6	0
89	6	2072	OHX	1	0
89	5	4171	OHX	1	0
89	1	3878	OHX	1	0
89	6	2116	OHX	2	0
89	5	3989	OHX	1	0
89	2	2166	OHX	1	0
89	2	2086	OHX	1	0
89	2	2092	OHX	1	0
89	1	4178	OHX	3	0
89	1	4217	OHX	1	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
89	5	4113	OHX	1	0
89	5	3971	OHX	1	0
89	6	2143	OHX	4	0
89	5	3974	OHX	1	0
89	2	2074	OHX	2	0
89	1	4005	OHX	1	0
89	1	4112	OHX	1	0
89	L3	406	OHX	1	0
89	5	4238	OHX	3	0
89	6	2120	OHX	1	0
89	8	219	OHX	5	0
89	5	4163	OHX	1	0
89	6	2047	OHX	2	0
89	5	4093	OHX	1	0
89	1	4044	OHX	2	0
89	1	3992	OHX	1	0
89	2	2157	OHX	2	0
89	5	3960	OHX	1	0
89	1	4182	OHX	1	0
89	2	2073	OHX	1	0
89	6	2081	OHX	1	0
89	1	4213	OHX	1	0
89	5	3944	OHX	2	0
89	5	4052	OHX	1	0
89	1	4051	OHX	2	0
89	1	3988	OHX	1	0
89	5	4076	OHX	1	0
89	1	3951	OHX	1	0
89	6	2066	OHX	1	0
89	6	2180	OHX	1	0
89	1	4148	OHX	1	0
89	4	222	OHX	1	0
89	5	3905	OHX	1	0
89	6	2118	OHX	1	0
89	2	2097	OHX	2	0
89	6	2109	OHX	1	0
89	5	4247	OHX	4	0
89	c5	201	OHX	3	0
89	5	3962	OHX	1	0
89	1	3894	OHX	1	0
89	5	3956	OHX	1	0
89	1	4138	OHX	1	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
89	6	2186	OHX	1	0
89	5	3958	OHX	1	0
89	2	2132	OHX	1	0
89	1	3968	OHX	3	0
89	5	3993	OHX	2	0
89	5	4204	OHX	7	0
89	2	2149	OHX	1	0
89	M5	305	OHX	1	0
89	1	4133	OHX	1	0
89	1	3890	OHX	2	0
89	5	4155	OHX	1	0
89	1	4195	OHX	3	0
89	1	4131	OHX	1	0
89	1	3943	OHX	1	0
89	1	3983	OHX	1	0
89	1	3972	OHX	1	0
89	5	4189	OHX	1	0
89	2	2045	OHX	1	0
89	6	2155	OHX	1	0
89	6	2132	OHX	1	0
89	5	4197	OHX	1	0
89	1	4100	OHX	1	0
89	2	2047	OHX	1	0
89	1	4031	OHX	2	0
89	1	3891	OHX	2	0
89	1	3898	OHX	1	0
89	2	2110	OHX	1	0
89	1	4111	OHX	1	0
89	6	2145	OHX	1	0
89	4	223	OHX	1	0
89	2	2032	OHX	1	0
89	5	4051	OHX	1	0
89	5	4134	OHX	1	0
89	6	2064	OHX	1	0
89	6	2059	OHX	1	0
89	5	4053	OHX	1	0
89	13	405	OHX	1	0
89	2	2042	OHX	1	0
89	1	4164	OHX	1	0
89	5	3947	OHX	1	0
89	1	4155	OHX	1	0
89	1	3940	OHX	2	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
89	1	4122	OHX	1	0
89	5	3906	OHX	2	0
89	2	2123	OHX	1	0
89	1	4046	OHX	1	0
89	6	2105	OHX	4	0
89	1	4087	OHX	1	0
89	2	2067	OHX	1	0
89	6	2068	OHX	1	0
89	2	2121	OHX	2	0
89	2	2038	OHX	1	0
89	2	2159	OHX	1	0
89	5	4074	OHX	1	0
89	1	4212	OHX	1	0
89	6	2106	OHX	1	0
89	1	4088	OHX	1	0
89	1	4095	OHX	1	0
89	5	3981	OHX	1	0
89	5	4102	OHX	1	0
89	6	2107	OHX	1	0
89	2	2066	OHX	1	0
89	M7	207	OHX	1	0
89	2	2155	OHX	1	0
89	1	3877	OHX	1	0
89	5	4009	OHX	1	0
89	5	3940	OHX	1	0
89	1	3901	OHX	1	0
89	5	4122	OHX	1	0
89	5	3914	OHX	2	0
89	1	3934	OHX	1	0
89	m0	301	OHX	1	0
89	2	2027	OHX	1	0
89	5	3961	OHX	1	0
89	5	4208	OHX	1	0
89	2	2104	OHX	1	0
89	2	2131	OHX	2	0
89	2	2026	OHX	1	0
89	1	3910	OHX	1	0
89	5	4146	OHX	2	0
89	1	4009	OHX	1	0
89	1	4056	OHX	3	0
89	6	2146	OHX	1	0
89	1	3900	OHX	1	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
89	6	2052	OHX	1	0
89	2	2156	OHX	1	0
89	6	2117	OHX	1	0
89	1	4057	OHX	3	0
89	1	4141	OHX	1	0
89	6	2096	OHX	1	0
89	1	3880	OHX	1	0
89	s1	302	OHX	1	0
89	2	2048	OHX	1	0
89	5	3902	OHX	1	0
89	4	231	OHX	1	0
89	1	4093	OHX	1	0
89	1	4146	OHX	1	0
89	5	4033	OHX	1	0
89	5	4070	OHX	1	0
89	5	3975	OHX	3	0
89	1	4101	OHX	1	0
89	2	2057	OHX	1	0
89	6	2133	OHX	1	0
89	6	2057	OHX	3	0
89	2	2145	OHX	2	0
89	5	3990	OHX	1	0
89	6	2168	OHX	2	0
89	5	4020	OHX	1	0
89	1	4097	OHX	1	0
89	1	3883	OHX	1	0
89	5	4054	OHX	1	0
89	1	3976	OHX	1	0
89	6	2100	OHX	1	0
89	1	4220	OHX	1	0
89	6	2055	OHX	1	0
89	5	4195	OHX	2	0
89	6	2094	OHX	1	0
89	8	222	OHX	1	0
89	6	2184	OHX	1	0
89	2	2064	OHX	1	0
89	6	2063	OHX	1	0
89	5	3991	OHX	1	0
89	1	3970	OHX	1	0
89	2	2115	OHX	1	0
89	2	2078	OHX	1	0
89	2	2076	OHX	1	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
89	1	4221	OHX	1	0
89	8	218	OHX	1	0
89	5	4202	OHX	9	0
89	4	225	OHX	1	0
89	5	4026	OHX	2	0
89	6	2126	OHX	2	0
89	5	3926	OHX	3	0
89	2	2105	OHX	1	0
89	6	2122	OHX	1	0
89	m1	202	OHX	1	0
89	5	4248	OHX	1	0
89	5	3943	OHX	1	0
89	5	3959	OHX	2	0
89	5	4110	OHX	1	0
89	8	226	OHX	6	0
89	2	2106	OHX	1	0
89	5	4043	OHX	2	0
89	5	4004	OHX	3	0
89	1	4186	OHX	4	0
89	1	3881	OHX	2	0
89	14	403	OHX	1	0
89	5	4003	OHX	1	0
89	6	2202	OHX	1	0
89	7	220	OHX	1	0
89	5	4196	OHX	1	0
89	1	4210	OHX	1	0
89	5	3924	OHX	2	0
89	5	4019	OHX	1	0
89	1	4174	OHX	1	0
89	2	2102	OHX	1	0
89	6	2091	OHX	1	0
89	1	3888	OHX	1	0
89	2	2144	OHX	1	0
89	1	4025	OHX	1	0
89	5	4013	OHX	6	0
89	5	4096	OHX	1	0
89	6	2124	OHX	1	0
89	1	4152	OHX	3	0
89	O7	103	OHX	2	0
89	c3	201	OHX	1	0
89	1	3873	OHX	1	0

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
83	m2	2

All chain breaks are listed below:

Model	Chain	Residue-1	Atom-1	Residue-2	Atom-2	Distance (Å)
1	m2	23:UNK	C	28:UNK	N	3.58
1	m2	52:UNK	C	54:UNK	N	3.06

6 Fit of model and data ⓘ

6.1 Protein, DNA and RNA chains ⓘ

In the following table, the column labelled ‘#RSRZ > 2’ contains the number (and percentage) of RSRZ outliers, followed by percent RSRZ outliers for the chain as percentile scores relative to all X-ray entries and entries of similar resolution. The OWAB column contains the minimum, median, 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	1750/1800 (97%)	-0.21	15 (0%) 81 68	41, 78, 197, 349	0
1	6	1795/1800 (99%)	-0.35	19 (1%) 77 63	32, 61, 204, 344	0
2	S0	206/251 (82%)	0.07	6 (2%) 54 38	76, 100, 158, 210	0
2	s0	206/251 (82%)	-0.21	3 (1%) 71 56	61, 79, 124, 217	0
3	S1	214/254 (84%)	0.33	6 (2%) 55 39	67, 120, 182, 222	0
3	s1	216/254 (85%)	-0.36	0 100 100	46, 68, 110, 185	0
4	S2	217/253 (85%)	-0.13	2 (0%) 81 68	54, 83, 116, 182	0
4	s2	217/253 (85%)	-0.18	9 (4%) 42 28	41, 64, 119, 179	0
5	S3	223/239 (93%)	-0.12	2 (0%) 81 68	60, 84, 140, 236	0
5	s3	223/239 (93%)	-0.18	2 (0%) 81 68	45, 85, 143, 177	0
6	S4	260/260 (100%)	-0.20	3 (1%) 76 61	60, 79, 120, 181	0
6	s4	260/260 (100%)	-0.50	0 100 100	44, 62, 100, 176	0
7	S5	206/224 (91%)	0.05	2 (0%) 79 66	65, 104, 159, 238	0
7	s5	206/224 (91%)	-0.18	2 (0%) 79 66	46, 78, 134, 205	0
8	S6	226/236 (95%)	0.02	6 (2%) 56 40	50, 89, 148, 187	0
8	s6	218/236 (92%)	-0.32	0 100 100	41, 70, 119, 221	0
9	S7	184/189 (97%)	-0.01	3 (1%) 70 55	69, 106, 164, 214	0
9	s7	186/189 (98%)	-0.16	1 (0%) 87 78	55, 91, 155, 206	0
10	S8	188/200 (94%)	-0.13	4 (2%) 63 47	41, 62, 120, 183	0
10	s8	188/200 (94%)	-0.27	1 (0%) 87 78	30, 57, 109, 136	0
11	S9	185/196 (94%)	0.15	8 (4%) 40 27	66, 92, 140, 223	0
11	s9	185/196 (94%)	-0.14	2 (1%) 77 63	49, 69, 132, 176	0
12	C0	96/105 (91%)	0.19	1 (1%) 79 66	64, 97, 146, 220	0
13	C1	155/155 (100%)	0.03	9 (5%) 30 20	41, 63, 169, 234	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
13	c1	146/155 (94%)	-0.20	3 (2%) 63 47	33, 51, 124, 195	0
14	C2	124/142 (87%)	0.37	5 (4%) 43 29	92, 132, 206, 244	0
14	c2	124/142 (87%)	0.83	11 (8%) 17 12	137, 181, 244, 299	0
15	C3	150/150 (100%)	-0.13	2 (1%) 74 60	48, 78, 119, 191	0
15	c3	150/150 (100%)	-0.36	0 100 100	37, 60, 94, 127	0
16	C4	127/136 (93%)	0.63	10 (7%) 20 14	57, 121, 166, 204	0
16	c4	128/136 (94%)	-0.23	1 (0%) 82 70	44, 71, 97, 130	0
17	C5	124/141 (87%)	0.03	5 (4%) 43 29	61, 84, 159, 203	0
17	c5	135/141 (95%)	0.06	4 (2%) 52 37	51, 85, 161, 201	0
18	C6	141/142 (99%)	0.09	2 (1%) 73 58	74, 90, 121, 198	0
18	c6	142/142 (100%)	0.03	3 (2%) 63 47	51, 71, 116, 160	0
19	C7	120/136 (88%)	0.23	3 (2%) 58 42	68, 95, 174, 194	0
19	c7	117/136 (86%)	0.13	4 (3%) 48 34	55, 78, 134, 204	0
20	C8	145/145 (100%)	-0.01	1 (0%) 84 73	59, 93, 139, 156	0
20	c8	145/145 (100%)	-0.23	3 (2%) 63 47	54, 73, 119, 147	0
21	C9	143/143 (100%)	0.21	7 (4%) 36 25	76, 94, 136, 178	0
21	c9	143/143 (100%)	-0.28	0 100 100	44, 66, 109, 166	0
22	D0	107/120 (89%)	0.26	4 (3%) 45 31	66, 92, 178, 217	0
22	d0	110/120 (91%)	0.17	2 (1%) 67 52	49, 86, 182, 238	0
23	D1	87/87 (100%)	-0.20	1 (1%) 77 63	83, 95, 132, 169	0
23	d1	87/87 (100%)	-0.54	0 100 100	56, 69, 102, 179	0
24	D2	129/129 (100%)	-0.29	0 100 100	58, 74, 98, 108	0
24	d2	129/129 (100%)	-0.52	0 100 100	36, 50, 70, 90	0
25	D3	144/144 (100%)	-0.21	2 (1%) 73 58	37, 57, 90, 136	0
25	d3	144/144 (100%)	-0.52	0 100 100	30, 40, 69, 138	0
26	D4	134/134 (100%)	0.06	3 (2%) 62 46	56, 96, 146, 223	0
26	d4	134/134 (100%)	-0.20	2 (1%) 71 56	43, 71, 118, 198	0
27	D5	70/107 (65%)	0.20	3 (4%) 40 27	89, 121, 178, 209	0
27	d5	69/107 (64%)	-0.01	0 100 100	67, 95, 152, 160	0
28	D6	97/97 (100%)	0.27	3 (3%) 51 36	58, 94, 181, 235	0
28	d6	97/97 (100%)	-0.11	0 100 100	41, 65, 113, 159	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
29	D7	81/81 (100%)	0.15	2 (2%) 58 42	71, 95, 164, 222	0
29	d7	81/81 (100%)	-0.22	0 100 100	50, 71, 154, 206	0
30	D8	63/66 (95%)	0.31	3 (4%) 36 25	77, 118, 179, 231	0
30	d8	63/66 (95%)	0.13	0 100 100	69, 100, 144, 166	0
31	D9	53/55 (96%)	0.06	3 (5%) 30 20	64, 71, 100, 146	0
31	d9	53/55 (96%)	0.13	1 (1%) 66 50	51, 64, 97, 161	0
32	E0	60/60 (100%)	0.11	1 (1%) 69 53	53, 93, 160, 200	0
33	E1	71/76 (93%)	0.60	7 (9%) 14 10	89, 119, 186, 212	0
34	SR	318/318 (100%)	-0.05	5 (1%) 70 55	81, 106, 156, 226	0
34	sR	318/318 (100%)	-0.07	2 (0%) 85 76	70, 99, 155, 211	0
35	SM	159/273 (58%)	0.22	5 (3%) 51 36	50, 93, 168, 196	0
35	sM	104/273 (38%)	0.45	11 (10%) 13 9	60, 105, 190, 220	0
36	1	3149/3396 (92%)	-0.59	21 (0%) 84 73	26, 44, 162, 334	0
36	5	3150/3396 (92%)	-0.64	21 (0%) 84 73	24, 42, 142, 343	0
37	3	121/121 (100%)	-0.77	0 100 100	32, 60, 82, 126	0
37	7	121/121 (100%)	-0.79	0 100 100	25, 47, 61, 125	0
38	4	158/158 (100%)	-0.70	1 (0%) 85 76	29, 47, 96, 203	0
38	8	158/158 (100%)	-0.63	1 (0%) 85 76	32, 53, 121, 197	0
39	L2	252/253 (99%)	-0.55	2 (0%) 82 70	29, 42, 71, 140	0
39	l2	252/253 (99%)	-0.42	7 (2%) 55 39	24, 42, 74, 143	0
40	L3	386/386 (100%)	-0.50	1 (0%) 90 84	27, 49, 80, 169	0
40	l3	386/386 (100%)	-0.70	0 100 100	21, 34, 60, 126	0
41	L4	361/361 (100%)	-0.59	2 (0%) 85 76	24, 41, 72, 119	0
41	l4	361/361 (100%)	-0.57	0 100 100	28, 44, 75, 122	0
42	L5	296/296 (100%)	-0.28	2 (0%) 84 73	42, 68, 118, 173	0
42	l5	294/296 (99%)	-0.46	2 (0%) 84 73	30, 49, 96, 193	0
43	L6	156/175 (89%)	-0.67	0 100 100	31, 43, 80, 134	0
43	l6	157/175 (89%)	-0.54	0 100 100	31, 44, 93, 154	0
44	L7	222/243 (91%)	-0.73	0 100 100	21, 34, 79, 196	0
44	l7	223/243 (91%)	-0.70	0 100 100	22, 33, 80, 178	0
45	L8	233/255 (91%)	-0.31	1 (0%) 89 81	42, 63, 133, 225	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
45	l8	231/255 (90%)	-0.14	5 (2%) 62 46	51, 72, 118, 185	0
46	L9	191/191 (100%)	-0.42	1 (0%) 87 78	42, 58, 87, 163	0
46	l9	191/191 (100%)	-0.73	1 (0%) 87 78	26, 37, 76, 194	0
47	M0	211/220 (95%)	-0.37	9 (4%) 40 27	33, 50, 118, 262	0
47	m0	213/220 (96%)	-0.42	5 (2%) 61 44	34, 52, 102, 205	0
48	M1	169/173 (97%)	-0.25	1 (0%) 85 76	49, 73, 110, 143	0
48	m1	169/173 (97%)	-0.50	1 (0%) 85 76	37, 51, 84, 139	0
49	M3	193/198 (97%)	-0.44	2 (1%) 79 66	26, 48, 115, 223	0
49	m3	194/198 (97%)	-0.38	2 (1%) 79 66	34, 56, 114, 166	0
50	M4	136/137 (99%)	-0.57	1 (0%) 84 73	35, 45, 81, 125	0
50	m4	137/137 (100%)	-0.65	1 (0%) 84 73	26, 38, 75, 153	0
51	M5	203/203 (100%)	-0.51	1 (0%) 87 78	27, 39, 55, 81	0
51	m5	203/203 (100%)	-0.34	1 (0%) 87 78	30, 48, 63, 88	0
52	M6	197/198 (99%)	-0.57	1 (0%) 87 78	26, 37, 67, 132	0
52	m6	197/198 (99%)	-0.73	1 (0%) 87 78	19, 26, 65, 146	0
53	M7	183/183 (100%)	-0.33	6 (3%) 49 34	27, 39, 150, 209	0
53	m7	155/183 (84%)	-0.64	1 (0%) 85 76	21, 34, 61, 156	0
54	M8	185/185 (100%)	-0.60	1 (0%) 87 78	27, 38, 52, 79	0
54	m8	185/185 (100%)	-0.60	0 100 100	31, 42, 60, 112	0
55	M9	188/188 (100%)	-0.17	2 (1%) 77 63	43, 60, 162, 210	0
55	m9	188/188 (100%)	-0.36	1 (0%) 87 78	36, 51, 137, 218	0
56	N0	172/172 (100%)	-0.61	1 (0%) 85 76	33, 43, 75, 150	0
56	n0	172/172 (100%)	-0.71	2 (1%) 76 61	23, 33, 61, 127	0
57	N1	159/159 (100%)	-0.47	0 100 100	29, 42, 93, 164	0
57	n1	159/159 (100%)	-0.49	0 100 100	28, 37, 91, 153	0
58	N2	100/120 (83%)	-0.03	1 (1%) 79 66	62, 91, 143, 184	0
58	n2	98/120 (81%)	-0.03	0 100 100	56, 80, 117, 161	0
59	N3	136/136 (100%)	-0.54	2 (1%) 71 56	29, 46, 84, 164	0
59	n3	136/136 (100%)	-0.64	2 (1%) 71 56	22, 33, 68, 140	0
60	N4	98/155 (63%)	0.26	9 (9%) 16 11	39, 63, 228, 293	0
60	n4	135/155 (87%)	-0.05	3 (2%) 62 46	30, 80, 169, 219	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
61	N5	121/141 (85%)	-0.30	2 (1%) 69 53	39, 56, 88, 144	0
61	n5	120/141 (85%)	-0.33	1 (0%) 82 70	40, 55, 99, 123	0
62	N6	126/126 (100%)	-0.48	0 100 100	33, 51, 82, 112	0
62	n6	126/126 (100%)	-0.32	2 (1%) 70 55	41, 53, 87, 149	0
63	N7	135/135 (100%)	-0.33	0 100 100	55, 74, 112, 152	0
63	n7	135/135 (100%)	0.05	2 (1%) 71 56	61, 85, 131, 164	0
64	N8	148/148 (100%)	-0.58	0 100 100	25, 37, 72, 164	0
64	n8	148/148 (100%)	-0.54	0 100 100	25, 44, 77, 118	0
65	N9	58/58 (100%)	-0.11	1 (1%) 69 53	27, 46, 114, 158	0
65	n9	58/58 (100%)	-0.16	3 (5%) 34 23	29, 50, 103, 130	0
66	O0	97/104 (93%)	-0.32	0 100 100	58, 75, 124, 140	0
66	o0	100/104 (96%)	-0.23	1 (1%) 79 66	52, 72, 129, 173	0
67	O1	109/112 (97%)	-0.24	1 (0%) 81 68	31, 56, 132, 172	0
67	o1	109/112 (97%)	-0.44	1 (0%) 81 68	29, 45, 118, 181	0
68	O2	127/129 (98%)	-0.55	2 (1%) 70 55	20, 34, 64, 138	0
68	o2	127/129 (98%)	-0.49	4 (3%) 51 36	19, 38, 68, 128	0
69	O3	106/106 (100%)	-0.58	1 (0%) 81 68	26, 34, 62, 144	0
69	o3	106/106 (100%)	-0.63	0 100 100	23, 31, 60, 141	0
70	O4	112/120 (93%)	-0.11	0 100 100	41, 56, 119, 212	0
70	o4	112/120 (93%)	-0.20	0 100 100	34, 55, 108, 175	0
71	O5	119/119 (100%)	-0.27	0 100 100	36, 57, 88, 130	0
71	o5	119/119 (100%)	-0.20	2 (1%) 69 53	44, 62, 94, 134	0
72	O6	99/99 (100%)	-0.28	1 (1%) 79 66	44, 57, 102, 178	0
72	o6	99/99 (100%)	-0.22	1 (1%) 79 66	50, 62, 108, 159	0
73	O7	87/87 (100%)	-0.34	3 (3%) 48 34	27, 38, 64, 197	0
73	o7	87/87 (100%)	-0.40	2 (2%) 61 44	29, 38, 76, 175	0
74	O8	77/77 (100%)	-0.17	0 100 100	59, 82, 116, 161	0
74	o8	77/77 (100%)	-0.12	1 (1%) 74 60	59, 80, 129, 144	0
75	O9	50/50 (100%)	-0.16	1 (2%) 64 49	40, 46, 66, 89	0
75	o9	50/50 (100%)	-0.23	1 (2%) 64 49	41, 46, 71, 103	0
76	Q0	52/52 (100%)	-0.28	1 (1%) 66 50	42, 51, 75, 109	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
76	q0	52/52 (100%)	-0.51	1 (1%) 66 50	26, 32, 63, 145	0
77	Q1	25/25 (100%)	-0.12	0 100 100	45, 49, 68, 83	0
77	q1	25/25 (100%)	-0.15	0 100 100	34, 42, 60, 73	0
78	Q2	105/105 (100%)	-0.42	1 (0%) 79 66	28, 45, 83, 170	0
78	q2	105/105 (100%)	-0.50	0 100 100	30, 46, 83, 174	0
79	Q3	91/91 (100%)	-0.49	0 100 100	31, 49, 85, 117	0
79	q3	91/91 (100%)	-0.47	1 (1%) 77 63	24, 47, 79, 97	0
80	c0	96/105 (91%)	0.45	4 (4%) 41 28	68, 108, 166, 240	0
81	e0	62/62 (100%)	-0.09	1 (1%) 70 55	53, 69, 167, 247	0
82	e1	76/76 (100%)	0.96	15 (19%) 3 3	112, 154, 206, 247	0
83	m2	0/160	-	-	-	-
84	p0	143/311 (45%)	0.33	6 (4%) 41 28	62, 102, 177, 269	0
85	p1	0/47	-	-	-	-
86	p2	0/46	-	-	-	-
87	A	3/3 (100%)	0.88	0 100 100	28, 28, 51, 115	0
87	B	3/3 (100%)	0.38	0 100 100	33, 33, 50, 120	0
All	All	33069/35352 (93%)	-0.34	418 (1%) 74 60	19, 60, 147, 349	0

The worst 5 of 418 RSRZ outliers are listed below:

Mol	Chain	Res	Type	RSRZ
16	C4	15	GLY	6.0
4	s2	90	THR	5.8
39	l2	248	GLY	5.8
4	s2	93	GLY	5.7
4	s2	92	ALA	5.6

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

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

6.3 Carbohydrates ⓘ

There are no oligosaccharides in this entry.

6.4 Ligands ⓘ

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

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
88	MG	1	3869	1/1	0.50	0.17	158,158,158,158	0
90	ZN	D7	101	1/1	0.62	0.10	328,328,328,328	0
90	ZN	d7	101	1/1	0.64	0.16	285,285,285,285	0
88	MG	6	2004	1/1	0.67	0.26	54,54,54,54	0
89	OHX	5	4245	7/7	0.67	0.16	318,318,318,318	0
88	MG	3	214	1/1	0.68	0.16	43,43,43,43	0
88	MG	1	3674	1/1	0.68	0.45	80,80,80,80	0
89	OHX	2	2146	7/7	0.68	0.22	358,358,358,358	0
88	MG	6	1999	1/1	0.70	0.17	46,46,46,46	0
89	OHX	1	4183	7/7	0.70	0.12	350,350,350,350	0
89	OHX	4	230	7/7	0.70	0.22	283,283,283,283	0
89	OHX	1	4200	7/7	0.72	0.15	340,340,340,340	0
88	MG	5	3799	1/1	0.72	0.22	79,79,79,79	0
88	MG	6	1920	1/1	0.72	0.42	66,66,66,66	0
89	OHX	2	2159	7/7	0.72	0.16	293,293,293,293	0
88	MG	5	3695	1/1	0.72	0.33	54,54,54,54	0
89	OHX	5	4239	7/7	0.73	0.19	306,306,306,306	0
89	OHX	1	4189	7/7	0.73	0.15	282,282,282,282	0
89	OHX	15	305	7/7	0.73	0.23	286,286,286,286	0
89	OHX	1	4140	7/7	0.73	0.15	298,298,298,298	0
89	OHX	2	2163	7/7	0.73	0.14	279,279,279,279	0
89	OHX	6	2144	7/7	0.74	0.24	243,243,243,243	0
88	MG	6	1934	1/1	0.74	0.23	60,60,60,60	0
89	OHX	2	2164	7/7	0.75	0.23	306,306,306,306	0
89	OHX	6	2183	7/7	0.75	0.16	256,256,256,256	0
89	OHX	15	306	7/7	0.75	0.15	382,382,382,382	0
89	OHX	5	4235	7/7	0.75	0.18	262,262,262,262	0
88	MG	2	2002	1/1	0.75	0.35	177,177,177,177	0
89	OHX	2	2172	7/7	0.76	0.17	331,331,331,331	0
88	MG	5	3714	1/1	0.76	0.39	65,65,65,65	0
89	OHX	6	2186	7/7	0.76	0.21	295,295,295,295	0
89	OHX	5	4145	7/7	0.76	0.17	243,243,243,243	0
89	OHX	5	4226	7/7	0.76	0.17	277,277,277,277	0
88	MG	6	1970	1/1	0.76	0.24	67,67,67,67	0
89	OHX	6	2181	7/7	0.77	0.18	247,247,247,247	0
88	MG	2	1928	1/1	0.77	0.24	53,53,53,53	0
89	OHX	7	226	7/7	0.77	0.16	254,254,254,254	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
89	OHX	1	4203	7/7	0.77	0.22	364,364,364,364	0
89	OHX	2	2165	7/7	0.77	0.11	306,306,306,306	0
88	MG	1	3407	1/1	0.77	0.27	41,41,41,41	0
89	OHX	6	2176	7/7	0.77	0.16	277,277,277,277	0
89	OHX	14	404	7/7	0.78	0.13	286,286,286,286	0
88	MG	5	3800	1/1	0.78	0.30	80,80,80,80	0
88	MG	o1	201	1/1	0.78	0.27	87,87,87,87	0
89	OHX	5	4209	7/7	0.78	0.18	304,304,304,304	0
89	OHX	1	4201	7/7	0.78	0.15	282,282,282,282	0
89	OHX	1	4124	7/7	0.79	0.17	277,277,277,277	0
88	MG	8	212	1/1	0.79	0.14	37,37,37,37	0
89	OHX	5	4168	7/7	0.79	0.20	244,244,244,244	0
88	MG	l5	302	1/1	0.79	0.11	49,49,49,49	0
88	MG	m5	302	1/1	0.79	0.22	51,51,51,51	0
89	OHX	5	4233	7/7	0.79	0.23	318,318,318,318	0
88	MG	1	3765	1/1	0.79	0.24	62,62,62,62	0
89	OHX	2	2116	7/7	0.79	0.16	280,280,280,280	0
88	MG	1	3771	1/1	0.79	0.22	68,68,68,68	0
89	OHX	1	4206	7/7	0.79	0.13	275,275,275,275	0
88	MG	1	3861	1/1	0.79	0.15	79,79,79,79	0
88	MG	2	1905	1/1	0.79	0.38	60,60,60,60	0
88	MG	2	1949	1/1	0.79	0.23	57,57,57,57	0
88	MG	1	3445	1/1	0.79	0.28	53,53,53,53	0
88	MG	2	1955	1/1	0.79	0.20	66,66,66,66	0
88	MG	1	3421	1/1	0.80	0.20	43,43,43,43	0
89	OHX	5	4183	7/7	0.80	0.13	295,295,295,295	0
89	OHX	1	4208	7/7	0.80	0.11	288,288,288,288	0
89	OHX	5	4211	7/7	0.80	0.21	270,270,270,270	0
89	OHX	1	4210	7/7	0.80	0.16	277,277,277,277	0
89	OHX	5	4228	7/7	0.80	0.23	370,370,370,370	0
89	OHX	1	4212	7/7	0.80	0.12	364,364,364,364	0
89	OHX	2	2149	7/7	0.80	0.13	256,256,256,256	0
89	OHX	1	4173	7/7	0.80	0.13	264,264,264,264	0
88	MG	2	1954	1/1	0.80	0.14	65,65,65,65	0
88	MG	5	3687	1/1	0.80	0.33	48,48,48,48	0
89	OHX	6	2182	7/7	0.80	0.23	264,264,264,264	0
88	MG	6	1933	1/1	0.80	0.24	35,35,35,35	0
88	MG	1	3504	1/1	0.80	0.29	28,28,28,28	0
89	OHX	6	2194	7/7	0.80	0.15	263,263,263,263	0
88	MG	2	1953	1/1	0.80	0.16	70,70,70,70	0
89	OHX	1	4113	7/7	0.81	0.13	243,243,243,243	0
88	MG	1	3556	1/1	0.81	0.15	45,45,45,45	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
88	MG	1	3847	1/1	0.81	0.31	50,50,50,50	0
89	OHX	2	2100	7/7	0.81	0.20	241,241,241,241	0
89	OHX	6	2187	7/7	0.81	0.13	317,317,317,317	0
89	OHX	6	2191	7/7	0.81	0.13	282,282,282,282	0
89	OHX	1	4174	7/7	0.81	0.14	279,279,279,279	0
89	OHX	1	4177	7/7	0.81	0.12	322,322,322,322	0
88	MG	1	3632	1/1	0.81	0.12	76,76,76,76	0
89	OHX	5	4175	7/7	0.81	0.17	250,250,250,250	0
88	MG	5	3721	1/1	0.81	0.24	50,50,50,50	0
89	OHX	5	4199	7/7	0.81	0.18	263,263,263,263	0
89	OHX	5	4206	7/7	0.81	0.13	273,273,273,273	0
89	OHX	5	4208	7/7	0.81	0.14	258,258,258,258	0
89	OHX	1	4193	7/7	0.81	0.17	290,290,290,290	0
88	MG	5	3793	1/1	0.81	0.13	45,45,45,45	0
89	OHX	5	4223	7/7	0.81	0.19	288,288,288,288	0
89	OHX	2	2150	7/7	0.81	0.14	273,273,273,273	0
89	OHX	2	2153	7/7	0.81	0.13	256,256,256,256	0
89	OHX	2	2156	7/7	0.81	0.12	290,290,290,290	0
88	MG	2	1973	1/1	0.81	0.23	47,47,47,47	0
89	OHX	1	4209	7/7	0.81	0.14	272,272,272,272	0
89	OHX	5	4244	7/7	0.81	0.17	275,275,275,275	0
88	MG	2	1959	1/1	0.81	0.22	44,44,44,44	0
89	OHX	5	4252	7/7	0.81	0.17	256,256,256,256	0
88	MG	5	3813	1/1	0.81	0.12	96,96,96,96	0
88	MG	O5	201	1/1	0.81	0.14	48,48,48,48	0
89	OHX	4	233	7/7	0.81	0.18	275,275,275,275	0
88	MG	5	3465	1/1	0.81	0.14	33,33,33,33	0
89	OHX	2	2180	7/7	0.81	0.12	300,300,300,300	0
89	OHX	6	2178	7/7	0.81	0.19	262,262,262,262	0
89	OHX	2	2178	7/7	0.82	0.14	277,277,277,277	0
88	MG	1	3548	1/1	0.82	0.19	43,43,43,43	0
89	OHX	1	4110	7/7	0.82	0.15	233,233,233,233	0
89	OHX	2	2151	7/7	0.82	0.14	262,262,262,262	0
88	MG	6	2042	1/1	0.82	0.26	51,51,51,51	0
88	MG	M1	201	1/1	0.82	0.14	64,64,64,64	0
89	OHX	1	4151	7/7	0.82	0.15	259,259,259,259	0
89	OHX	1	4155	7/7	0.82	0.18	280,280,280,280	0
89	OHX	5	4217	7/7	0.82	0.21	255,255,255,255	0
89	OHX	M7	207	7/7	0.82	0.14	282,282,282,282	0
89	OHX	M9	203	7/7	0.82	0.11	285,285,285,285	0
88	MG	5	3489	1/1	0.82	0.25	53,53,53,53	0
89	OHX	6	2167	7/7	0.82	0.13	236,236,236,236	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
89	OHX	2	2162	7/7	0.82	0.17	256,256,256,256	0
88	MG	5	3655	1/1	0.82	0.12	34,34,34,34	0
89	OHX	1	4179	7/7	0.82	0.12	283,283,283,283	0
89	OHX	1	4182	7/7	0.82	0.14	253,253,253,253	0
89	OHX	2	2133	7/7	0.82	0.16	238,238,238,238	0
88	MG	2	1910	1/1	0.82	0.26	39,39,39,39	0
89	OHX	8	228	7/7	0.82	0.18	233,233,233,233	0
88	MG	2	1951	1/1	0.82	0.26	50,50,50,50	0
89	OHX	6	2190	7/7	0.82	0.13	304,304,304,304	0
89	OHX	1	4196	7/7	0.82	0.17	262,262,262,262	0
89	OHX	2	2176	7/7	0.82	0.15	252,252,252,252	0
89	OHX	2	2177	7/7	0.82	0.12	275,275,275,275	0
88	MG	4	209	1/1	0.83	0.18	51,51,51,51	0
89	OHX	5	4200	7/7	0.83	0.15	232,232,232,232	0
88	MG	5	3875	1/1	0.83	0.25	31,31,31,31	0
88	MG	5	3889	1/1	0.83	0.21	49,49,49,49	0
88	MG	2	1999	1/1	0.83	0.12	85,85,85,85	0
88	MG	5	3454	1/1	0.83	0.14	34,34,34,34	0
89	OHX	5	4215	7/7	0.83	0.24	253,253,253,253	0
88	MG	6	1935	1/1	0.83	0.17	41,41,41,41	0
88	MG	2	1976	1/1	0.83	0.43	63,63,63,63	0
88	MG	5	3795	1/1	0.83	0.24	40,40,40,40	0
88	MG	5	3636	1/1	0.83	0.14	36,36,36,36	0
89	OHX	6	2188	7/7	0.83	0.17	265,265,265,265	0
89	OHX	2	2127	7/7	0.83	0.14	239,239,239,239	0
89	OHX	5	4236	7/7	0.83	0.18	259,259,259,259	0
89	OHX	2	2129	7/7	0.83	0.12	299,299,299,299	0
89	OHX	3	223	7/7	0.83	0.16	235,235,235,235	0
89	OHX	6	2196	7/7	0.83	0.15	293,293,293,293	0
89	OHX	6	2198	7/7	0.83	0.18	241,241,241,241	0
89	OHX	5	4255	7/7	0.83	0.12	254,254,254,254	0
89	OHX	s1	303	7/7	0.83	0.14	259,259,259,259	0
89	OHX	2	2131	7/7	0.83	0.17	317,317,317,317	0
89	OHX	14	403	7/7	0.83	0.10	317,317,317,317	0
89	OHX	5	4151	7/7	0.83	0.18	260,260,260,260	0
88	MG	1	3737	1/1	0.83	0.10	49,49,49,49	0
89	OHX	5	4174	7/7	0.83	0.14	243,243,243,243	0
89	OHX	m4	201	7/7	0.83	0.10	290,290,290,290	0
89	OHX	2	2140	7/7	0.83	0.15	273,273,273,273	0
89	OHX	1	4185	7/7	0.83	0.19	302,302,302,302	0
89	OHX	6	2170	7/7	0.84	0.20	255,255,255,255	0
88	MG	5	3848	1/1	0.84	0.12	30,30,30,30	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
89	OHX	2	2174	7/7	0.84	0.15	232,232,232,232	0
89	OHX	2	2136	7/7	0.84	0.15	238,238,238,238	0
89	OHX	5	4210	7/7	0.84	0.19	277,277,277,277	0
89	OHX	2	2137	7/7	0.84	0.14	271,271,271,271	0
88	MG	2	2014	1/1	0.84	0.21	46,46,46,46	0
89	OHX	6	2184	7/7	0.84	0.16	259,259,259,259	0
89	OHX	1	4198	7/7	0.84	0.18	275,275,275,275	0
88	MG	6	2031	1/1	0.84	0.20	52,52,52,52	0
88	MG	5	3898	1/1	0.84	0.27	147,147,147,147	0
89	OHX	5	4231	7/7	0.84	0.14	234,234,234,234	0
88	MG	6	2037	1/1	0.84	0.30	52,52,52,52	0
88	MG	1	3544	1/1	0.84	0.23	32,32,32,32	0
89	OHX	6	2192	7/7	0.84	0.12	303,303,303,303	0
89	OHX	5	4238	7/7	0.84	0.21	313,313,313,313	0
88	MG	5	3784	1/1	0.84	0.10	36,36,36,36	0
89	OHX	5	4241	7/7	0.84	0.15	365,365,365,365	0
89	OHX	1	4142	7/7	0.84	0.16	250,250,250,250	0
88	MG	1	3676	1/1	0.84	0.26	53,53,53,53	0
89	OHX	5	4250	7/7	0.84	0.18	243,243,243,243	0
89	OHX	6	2202	7/7	0.84	0.15	266,266,266,266	0
89	OHX	5	4253	7/7	0.84	0.12	269,269,269,269	0
88	MG	2	1981	1/1	0.84	0.12	39,39,39,39	0
89	OHX	5	4256	7/7	0.84	0.11	289,289,289,289	0
89	OHX	c3	201	7/7	0.84	0.13	248,248,248,248	0
89	OHX	1	4162	7/7	0.84	0.16	224,224,224,224	0
89	OHX	1	4172	7/7	0.84	0.17	232,232,232,232	0
89	OHX	2	2160	7/7	0.84	0.19	246,246,246,246	0
88	MG	5	3798	1/1	0.84	0.20	44,44,44,44	0
88	MG	1	3739	1/1	0.84	0.18	40,40,40,40	0
89	OHX	5	4180	7/7	0.84	0.19	219,219,219,219	0
88	MG	1	3753	1/1	0.84	0.40	54,54,54,54	0
88	MG	1	3502	1/1	0.84	0.18	58,58,58,58	0
88	MG	6	1984	1/1	0.85	0.23	56,56,56,56	0
89	OHX	1	4163	7/7	0.85	0.12	255,255,255,255	0
88	MG	6	1986	1/1	0.85	0.14	45,45,45,45	0
88	MG	5	3662	1/1	0.85	0.23	59,59,59,59	0
89	OHX	5	4185	7/7	0.85	0.13	242,242,242,242	0
89	OHX	5	4192	7/7	0.85	0.12	264,264,264,264	0
88	MG	6	1987	1/1	0.85	0.12	43,43,43,43	0
89	OHX	2	2135	7/7	0.85	0.15	215,215,215,215	0
89	OHX	6	2156	7/7	0.85	0.15	235,235,235,235	0
89	OHX	6	2166	7/7	0.85	0.15	235,235,235,235	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
88	MG	N5	201	1/1	0.85	0.15	49,49,49,49	0
89	OHX	6	2168	7/7	0.85	0.21	346,346,346,346	0
88	MG	1	3701	1/1	0.85	0.14	42,42,42,42	0
89	OHX	6	2175	7/7	0.85	0.20	241,241,241,241	0
89	OHX	2	2138	7/7	0.85	0.17	203,203,203,203	0
89	OHX	5	4222	7/7	0.85	0.12	256,256,256,256	0
89	OHX	6	2177	7/7	0.85	0.14	227,227,227,227	0
89	OHX	5	4224	7/7	0.85	0.11	269,269,269,269	0
89	OHX	5	4225	7/7	0.85	0.15	297,297,297,297	0
88	MG	7	214	1/1	0.85	0.22	55,55,55,55	0
89	OHX	5	4227	7/7	0.85	0.13	251,251,251,251	0
89	OHX	6	2180	7/7	0.85	0.14	279,279,279,279	0
88	MG	6	1907	1/1	0.85	0.20	35,35,35,35	0
89	OHX	5	4232	7/7	0.85	0.11	270,270,270,270	0
89	OHX	1	4048	7/7	0.85	0.18	216,216,216,216	0
89	OHX	1	4094	7/7	0.85	0.15	212,212,212,212	0
89	OHX	1	4108	7/7	0.85	0.15	210,210,210,210	0
88	MG	1	3550	1/1	0.85	0.23	44,44,44,44	0
88	MG	1	3655	1/1	0.85	0.23	56,56,56,56	0
88	MG	n8	202	1/1	0.85	0.19	38,38,38,38	0
89	OHX	5	4242	7/7	0.85	0.17	180,180,180,180	0
89	OHX	6	2189	7/7	0.85	0.15	266,266,266,266	0
89	OHX	1	4204	7/7	0.85	0.17	246,246,246,246	0
88	MG	1	3772	1/1	0.85	0.10	43,43,43,43	0
88	MG	1	3794	1/1	0.85	0.20	51,51,51,51	0
89	OHX	6	2193	7/7	0.85	0.14	244,244,244,244	0
88	MG	1	3811	1/1	0.85	0.15	55,55,55,55	0
89	OHX	1	4154	7/7	0.85	0.17	287,287,287,287	0
89	OHX	6	2197	7/7	0.85	0.21	220,220,220,220	0
89	OHX	1	4211	7/7	0.85	0.16	276,276,276,276	0
89	OHX	8	231	7/7	0.85	0.15	267,267,267,267	0
89	OHX	2	2120	7/7	0.85	0.18	230,230,230,230	0
89	OHX	1	4214	7/7	0.85	0.18	241,241,241,241	0
89	OHX	1	4216	7/7	0.85	0.19	285,285,285,285	0
89	OHX	1	4217	7/7	0.85	0.13	287,287,287,287	0
89	OHX	1	4219	7/7	0.85	0.15	225,225,225,225	0
89	OHX	5	4164	7/7	0.85	0.15	236,236,236,236	0
89	OHX	1	4220	7/7	0.85	0.15	239,239,239,239	0
89	OHX	5	4197	7/7	0.86	0.17	241,241,241,241	0
88	MG	L8	301	1/1	0.86	0.17	47,47,47,47	0
89	OHX	1	4187	7/7	0.86	0.12	250,250,250,250	0
88	MG	6	2203	1/1	0.86	0.32	73,73,73,73	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
89	OHX	5	4207	7/7	0.86	0.15	304,304,304,304	0
89	OHX	6	2172	7/7	0.86	0.12	240,240,240,240	0
89	OHX	1	4190	7/7	0.86	0.21	270,270,270,270	0
88	MG	2	1979	1/1	0.86	0.14	57,57,57,57	0
89	OHX	1	4194	7/7	0.86	0.15	293,293,293,293	0
88	MG	5	3458	1/1	0.86	0.17	31,31,31,31	0
89	OHX	D3	201	7/7	0.86	0.18	201,201,201,201	0
89	OHX	5	4218	7/7	0.86	0.19	289,289,289,289	0
88	MG	6	1972	1/1	0.86	0.25	57,57,57,57	0
88	MG	5	3474	1/1	0.86	0.07	38,38,38,38	0
88	MG	6	1980	1/1	0.86	0.12	61,61,61,61	0
89	OHX	2	2143	7/7	0.86	0.20	260,260,260,260	0
88	MG	5	3530	1/1	0.86	0.16	21,21,21,21	0
89	OHX	2	2148	7/7	0.86	0.16	225,225,225,225	0
88	MG	5	3608	1/1	0.86	0.09	22,22,22,22	0
89	OHX	5	4229	7/7	0.86	0.14	270,270,270,270	0
88	MG	M6	201	1/1	0.86	0.09	43,43,43,43	0
88	MG	1	3724	1/1	0.86	0.19	41,41,41,41	0
88	MG	1	3867	1/1	0.86	0.22	98,98,98,98	0
88	MG	1	3778	1/1	0.86	0.17	47,47,47,47	0
89	OHX	1	4160	7/7	0.86	0.12	288,288,288,288	0
89	OHX	2	2158	7/7	0.86	0.09	307,307,307,307	0
89	OHX	1	4218	7/7	0.86	0.18	259,259,259,259	0
88	MG	1	3761	1/1	0.86	0.14	33,33,33,33	0
88	MG	o3	201	1/1	0.86	0.23	61,61,61,61	0
89	OHX	5	4243	7/7	0.86	0.12	280,280,280,280	0
89	OHX	1	4221	7/7	0.86	0.19	266,266,266,266	0
88	MG	6	2015	1/1	0.86	0.25	44,44,44,44	0
88	MG	2	2006	1/1	0.86	0.08	41,41,41,41	0
89	OHX	1	4176	7/7	0.86	0.14	247,247,247,247	0
88	MG	6	2035	1/1	0.86	0.25	38,38,38,38	0
89	OHX	5	4156	7/7	0.86	0.24	207,207,207,207	0
88	MG	4	215	1/1	0.86	0.17	32,32,32,32	0
89	OHX	7	224	7/7	0.86	0.20	201,201,201,201	0
89	OHX	6	2104	7/7	0.86	0.16	184,184,184,184	0
89	OHX	5	4169	7/7	0.86	0.20	247,247,247,247	0
89	OHX	6	2139	7/7	0.86	0.13	242,242,242,242	0
89	OHX	2	2128	7/7	0.86	0.15	221,221,221,221	0
88	MG	6	2039	1/1	0.86	0.26	47,47,47,47	0
89	OHX	6	2160	7/7	0.86	0.13	233,233,233,233	0
89	OHX	6	2161	7/7	0.86	0.14	251,251,251,251	0
89	OHX	5	4187	7/7	0.86	0.12	244,244,244,244	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
89	OHX	5	4191	7/7	0.86	0.22	301,301,301,301	0
89	OHX	1	4184	7/7	0.86	0.17	238,238,238,238	0
88	MG	5	3431	1/1	0.87	0.25	49,49,49,49	0
89	OHX	L4	402	7/7	0.87	0.10	252,252,252,252	0
88	MG	5	3852	1/1	0.87	0.20	47,47,47,47	0
89	OHX	5	4189	7/7	0.87	0.15	208,208,208,208	0
89	OHX	1	4159	7/7	0.87	0.16	233,233,233,233	0
88	MG	1	3712	1/1	0.87	0.12	41,41,41,41	0
89	OHX	6	2132	7/7	0.87	0.18	196,196,196,196	0
88	MG	1	3841	1/1	0.87	0.25	41,41,41,41	0
88	MG	1	3714	1/1	0.87	0.33	52,52,52,52	0
88	MG	7	213	1/1	0.87	0.25	47,47,47,47	0
88	MG	2	1993	1/1	0.87	0.25	64,64,64,64	0
88	MG	1	3587	1/1	0.87	0.23	28,28,28,28	0
88	MG	l5	301	1/1	0.87	0.15	56,56,56,56	0
88	MG	1	3615	1/1	0.87	0.14	51,51,51,51	0
89	OHX	1	4178	7/7	0.87	0.13	276,276,276,276	0
89	OHX	6	2169	7/7	0.87	0.13	219,219,219,219	0
88	MG	3	209	1/1	0.87	0.21	47,47,47,47	0
88	MG	1	3629	1/1	0.87	0.18	45,45,45,45	0
88	MG	1	3756	1/1	0.87	0.19	44,44,44,44	0
89	OHX	2	2171	7/7	0.87	0.14	254,254,254,254	0
88	MG	2	1994	1/1	0.87	0.16	51,51,51,51	0
88	MG	1	3641	1/1	0.87	0.08	36,36,36,36	0
88	MG	6	2005	1/1	0.87	0.09	41,41,41,41	0
88	MG	5	3697	1/1	0.87	0.27	69,69,69,69	0
88	MG	5	3706	1/1	0.87	0.07	51,51,51,51	0
88	MG	2	1966	1/1	0.87	0.24	44,44,44,44	0
89	OHX	5	4230	7/7	0.87	0.12	285,285,285,285	0
89	OHX	1	4195	7/7	0.87	0.20	259,259,259,259	0
89	OHX	C5	201	7/7	0.87	0.11	254,254,254,254	0
88	MG	6	2018	1/1	0.87	0.19	88,88,88,88	0
89	OHX	1	4199	7/7	0.87	0.16	242,242,242,242	0
89	OHX	D9	102	7/7	0.87	0.14	234,234,234,234	0
88	MG	5	3722	1/1	0.87	0.17	69,69,69,69	0
89	OHX	1	4075	7/7	0.87	0.16	235,235,235,235	0
89	OHX	1	4076	7/7	0.87	0.15	226,226,226,226	0
88	MG	6	2028	1/1	0.87	0.17	57,57,57,57	0
88	MG	1	3482	1/1	0.87	0.20	64,64,64,64	0
88	MG	1	3549	1/1	0.87	0.22	44,44,44,44	0
88	MG	1	3495	1/1	0.87	0.15	50,50,50,50	0
89	OHX	1	4120	7/7	0.87	0.12	230,230,230,230	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
89	OHX	5	4251	7/7	0.87	0.18	237,237,237,237	0
89	OHX	6	2199	7/7	0.87	0.19	255,255,255,255	0
89	OHX	6	2201	7/7	0.87	0.19	244,244,244,244	0
88	MG	1	3795	1/1	0.87	0.30	65,65,65,65	0
89	OHX	1	4126	7/7	0.87	0.12	251,251,251,251	0
89	OHX	1	4130	7/7	0.87	0.18	209,209,209,209	0
88	MG	6	1915	1/1	0.87	0.19	56,56,56,56	0
89	OHX	8	227	7/7	0.87	0.12	259,259,259,259	0
88	MG	5	3811	1/1	0.87	0.14	39,39,39,39	0
89	OHX	1	4143	7/7	0.87	0.17	239,239,239,239	0
89	OHX	5	4157	7/7	0.87	0.20	253,253,253,253	0
89	OHX	1	4144	7/7	0.87	0.10	273,273,273,273	0
89	OHX	1	4145	7/7	0.87	0.15	256,256,256,256	0
89	OHX	1	4224	7/7	0.87	0.11	281,281,281,281	0
89	OHX	1	4225	7/7	0.87	0.19	304,304,304,304	0
88	MG	1	3806	1/1	0.87	0.16	59,59,59,59	0
89	OHX	1	4153	7/7	0.87	0.14	244,244,244,244	0
89	OHX	1	4156	7/7	0.88	0.11	234,234,234,234	0
89	OHX	5	4161	7/7	0.88	0.16	208,208,208,208	0
89	OHX	1	4226	7/7	0.88	0.14	250,250,250,250	0
89	OHX	5	4167	7/7	0.88	0.17	229,229,229,229	0
88	MG	1	3855	1/1	0.88	0.15	33,33,33,33	0
89	OHX	3	224	7/7	0.88	0.16	248,248,248,248	0
88	MG	6	1930	1/1	0.88	0.15	35,35,35,35	0
89	OHX	2	2166	7/7	0.88	0.11	273,273,273,273	0
89	OHX	L3	407	7/7	0.88	0.12	237,237,237,237	0
89	OHX	2	2169	7/7	0.88	0.18	221,221,221,221	0
89	OHX	M7	206	7/7	0.88	0.23	351,351,351,351	0
88	MG	2	2011	1/1	0.88	0.25	40,40,40,40	0
89	OHX	5	4188	7/7	0.88	0.13	222,222,222,222	0
88	MG	2	1901	1/1	0.88	0.15	39,39,39,39	0
89	OHX	2	2173	7/7	0.88	0.14	237,237,237,237	0
88	MG	1	3710	1/1	0.88	0.17	47,47,47,47	0
89	OHX	5	4196	7/7	0.88	0.16	315,315,315,315	0
88	MG	1	3594	1/1	0.88	0.26	37,37,37,37	0
89	OHX	6	2140	7/7	0.88	0.14	205,205,205,205	0
88	MG	5	3429	1/1	0.88	0.07	22,22,22,22	0
89	OHX	6	2148	7/7	0.88	0.16	212,212,212,212	0
89	OHX	6	2152	7/7	0.88	0.11	257,257,257,257	0
89	OHX	6	2155	7/7	0.88	0.14	215,215,215,215	0
88	MG	2	2018	1/1	0.88	0.20	46,46,46,46	0
89	OHX	1	4180	7/7	0.88	0.24	315,315,315,315	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
89	OHX	1	4181	7/7	0.88	0.14	252,252,252,252	0
89	OHX	5	4214	7/7	0.88	0.17	220,220,220,220	0
89	OHX	6	2163	7/7	0.88	0.10	239,239,239,239	0
88	MG	2	1977	1/1	0.88	0.21	44,44,44,44	0
88	MG	1	3728	1/1	0.88	0.09	33,33,33,33	0
88	MG	L3	404	1/1	0.88	0.15	40,40,40,40	0
88	MG	5	3467	1/1	0.88	0.21	46,46,46,46	0
88	MG	5	3812	1/1	0.88	0.13	51,51,51,51	0
89	OHX	6	2171	7/7	0.88	0.18	274,274,274,274	0
89	OHX	1	4188	7/7	0.88	0.11	258,258,258,258	0
89	OHX	6	2173	7/7	0.88	0.17	193,193,193,193	0
88	MG	5	3473	1/1	0.88	0.15	43,43,43,43	0
88	MG	2	2005	1/1	0.88	0.18	44,44,44,44	0
89	OHX	1	4191	7/7	0.88	0.14	245,245,245,245	0
89	OHX	1	4192	7/7	0.88	0.09	270,270,270,270	0
89	OHX	2	2139	7/7	0.88	0.22	238,238,238,238	0
89	OHX	1	4105	7/7	0.88	0.13	221,221,221,221	0
89	OHX	1	4107	7/7	0.88	0.14	228,228,228,228	0
88	MG	6	1993	1/1	0.88	0.18	56,56,56,56	0
89	OHX	5	4237	7/7	0.88	0.12	228,228,228,228	0
88	MG	1	3427	1/1	0.88	0.19	54,54,54,54	0
89	OHX	6	2185	7/7	0.88	0.12	244,244,244,244	0
89	OHX	5	4240	7/7	0.88	0.16	258,258,258,258	0
88	MG	6	2001	1/1	0.88	0.16	54,54,54,54	0
89	OHX	2	2147	7/7	0.88	0.12	238,238,238,238	0
88	MG	5	3891	1/1	0.88	0.14	24,24,24,24	0
89	OHX	1	4202	7/7	0.88	0.15	269,269,269,269	0
89	OHX	1	4125	7/7	0.88	0.21	244,244,244,244	0
88	MG	1	3819	1/1	0.88	0.28	56,56,56,56	0
88	MG	1	3828	1/1	0.88	0.10	40,40,40,40	0
89	OHX	1	4134	7/7	0.88	0.13	231,231,231,231	0
88	MG	5	3656	1/1	0.88	0.17	39,39,39,39	0
89	OHX	5	4254	7/7	0.88	0.12	249,249,249,249	0
88	MG	8	208	1/1	0.88	0.10	41,41,41,41	0
88	MG	2	1938	1/1	0.88	0.26	31,31,31,31	0
89	OHX	5	4257	7/7	0.88	0.13	245,245,245,245	0
89	OHX	2	2157	7/7	0.88	0.18	251,251,251,251	0
88	MG	1	3466	1/1	0.88	0.07	21,21,21,21	0
89	OHX	1	4148	7/7	0.88	0.16	209,209,209,209	0
89	OHX	1	4150	7/7	0.88	0.15	205,205,205,205	0
88	MG	5	3694	1/1	0.88	0.14	56,56,56,56	0
89	OHX	1	4152	7/7	0.88	0.23	276,276,276,276	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
89	OHX	5	4104	7/7	0.88	0.16	188,188,188,188	0
89	OHX	5	4140	7/7	0.88	0.19	227,227,227,227	0
89	OHX	5	4144	7/7	0.88	0.18	216,216,216,216	0
88	MG	m5	301	1/1	0.88	0.21	49,49,49,49	0
88	MG	1	3854	1/1	0.88	0.23	43,43,43,43	0
88	MG	n3	202	1/1	0.88	0.15	60,60,60,60	0
89	OHX	5	4102	7/7	0.89	0.18	191,191,191,191	0
89	OHX	1	4114	7/7	0.89	0.14	205,205,205,205	0
89	OHX	5	4111	7/7	0.89	0.13	225,225,225,225	0
89	OHX	5	4125	7/7	0.89	0.12	228,228,228,228	0
89	OHX	5	4135	7/7	0.89	0.12	242,242,242,242	0
89	OHX	1	4117	7/7	0.89	0.17	213,213,213,213	0
89	OHX	5	4141	7/7	0.89	0.11	223,223,223,223	0
89	OHX	5	4142	7/7	0.89	0.16	243,243,243,243	0
88	MG	5	3689	1/1	0.89	0.11	31,31,31,31	0
89	OHX	1	4122	7/7	0.89	0.11	235,235,235,235	0
89	OHX	1	4123	7/7	0.89	0.19	224,224,224,224	0
88	MG	1	3405	1/1	0.89	0.16	39,39,39,39	0
88	MG	4	211	1/1	0.89	0.12	34,34,34,34	0
88	MG	1	3584	1/1	0.89	0.11	29,29,29,29	0
89	OHX	1	4222	7/7	0.89	0.19	268,268,268,268	0
88	MG	2	1934	1/1	0.89	0.23	61,61,61,61	0
88	MG	1	3708	1/1	0.89	0.21	30,30,30,30	0
89	OHX	1	4138	7/7	0.89	0.19	223,223,223,223	0
89	OHX	5	4171	7/7	0.89	0.10	236,236,236,236	0
89	OHX	5	4172	7/7	0.89	0.17	260,260,260,260	0
89	OHX	3	222	7/7	0.89	0.15	228,228,228,228	0
88	MG	6	2016	1/1	0.89	0.11	52,52,52,52	0
89	OHX	5	4176	7/7	0.89	0.26	273,273,273,273	0
89	OHX	5	4178	7/7	0.89	0.21	218,218,218,218	0
89	OHX	5	4179	7/7	0.89	0.20	273,273,273,273	0
88	MG	1	3797	1/1	0.89	0.11	75,75,75,75	0
89	OHX	5	4181	7/7	0.89	0.13	212,212,212,212	0
89	OHX	4	229	7/7	0.89	0.16	206,206,206,206	0
88	MG	5	3732	1/1	0.89	0.20	43,43,43,43	0
89	OHX	4	231	7/7	0.89	0.16	237,237,237,237	0
88	MG	5	3760	1/1	0.89	0.15	42,42,42,42	0
88	MG	5	3780	1/1	0.89	0.10	39,39,39,39	0
89	OHX	5	4190	7/7	0.89	0.13	225,225,225,225	0
89	OHX	1	4146	7/7	0.89	0.17	302,302,302,302	0
88	MG	1	3800	1/1	0.89	0.08	37,37,37,37	0
89	OHX	5	4194	7/7	0.89	0.15	230,230,230,230	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
88	MG	M7	203	1/1	0.89	0.28	34,34,34,34	0
89	OHX	2	2144	7/7	0.89	0.11	222,222,222,222	0
89	OHX	5	4198	7/7	0.89	0.12	244,244,244,244	0
88	MG	5	3794	1/1	0.89	0.12	42,42,42,42	0
89	OHX	6	2114	7/7	0.89	0.16	209,209,209,209	0
89	OHX	5	4205	7/7	0.89	0.15	224,224,224,224	0
89	OHX	6	2131	7/7	0.89	0.17	202,202,202,202	0
88	MG	1	3590	1/1	0.89	0.33	28,28,28,28	0
88	MG	1	3593	1/1	0.89	0.33	21,21,21,21	0
88	MG	2	1904	1/1	0.89	0.13	30,30,30,30	0
88	MG	6	1908	1/1	0.89	0.16	34,34,34,34	0
89	OHX	1	4157	7/7	0.89	0.17	213,213,213,213	0
88	MG	5	3802	1/1	0.89	0.18	43,43,43,43	0
88	MG	6	1909	1/1	0.89	0.23	41,41,41,41	0
89	OHX	2	2154	7/7	0.89	0.11	244,244,244,244	0
89	OHX	6	2158	7/7	0.89	0.16	193,193,193,193	0
89	OHX	6	2159	7/7	0.89	0.13	215,215,215,215	0
88	MG	s8	301	1/1	0.89	0.18	38,38,38,38	0
89	OHX	1	4166	7/7	0.89	0.13	234,234,234,234	0
89	OHX	1	4171	7/7	0.89	0.11	247,247,247,247	0
88	MG	c9	201	1/1	0.89	0.14	44,44,44,44	0
88	MG	5	3818	1/1	0.89	0.09	53,53,53,53	0
88	MG	5	3846	1/1	0.89	0.23	39,39,39,39	0
88	MG	5	3403	1/1	0.89	0.31	47,47,47,47	0
88	MG	1	3824	1/1	0.89	0.12	58,58,58,58	0
88	MG	2	1944	1/1	0.89	0.19	49,49,49,49	0
88	MG	5	3886	1/1	0.89	0.12	34,34,34,34	0
88	MG	1	3621	1/1	0.89	0.14	35,35,35,35	0
88	MG	5	3890	1/1	0.89	0.39	56,56,56,56	0
88	MG	2	1931	1/1	0.89	0.25	51,51,51,51	0
89	OHX	2	2170	7/7	0.89	0.16	196,196,196,196	0
88	MG	1	3853	1/1	0.89	0.24	45,45,45,45	0
89	OHX	6	2179	7/7	0.89	0.17	254,254,254,254	0
88	MG	1	3456	1/1	0.89	0.19	33,33,33,33	0
88	MG	6	1963	1/1	0.89	0.21	57,57,57,57	0
88	MG	2	2019	1/1	0.89	0.23	32,32,32,32	0
89	OHX	2	2175	7/7	0.89	0.14	250,250,250,250	0
88	MG	1	3643	1/1	0.89	0.24	44,44,44,44	0
88	MG	8	216	1/1	0.89	0.21	43,43,43,43	0
89	OHX	5	4247	7/7	0.89	0.16	238,238,238,238	0
89	OHX	5	4248	7/7	0.89	0.12	254,254,254,254	0
89	OHX	5	4249	7/7	0.89	0.17	233,233,233,233	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
88	MG	5	3491	1/1	0.89	0.14	12,12,12,12	0
88	MG	5	3498	1/1	0.89	0.12	27,27,27,27	0
88	MG	6	1975	1/1	0.89	0.17	47,47,47,47	0
88	MG	1	3646	1/1	0.89	0.30	44,44,44,44	0
88	MG	1	3468	1/1	0.89	0.09	40,40,40,40	0
89	OHX	1	4028	7/7	0.89	0.14	177,177,177,177	0
89	OHX	1	4039	7/7	0.89	0.17	226,226,226,226	0
88	MG	3	208	1/1	0.89	0.17	54,54,54,54	0
89	OHX	1	4074	7/7	0.89	0.10	255,255,255,255	0
89	OHX	7	225	7/7	0.89	0.18	270,270,270,270	0
88	MG	1	3767	1/1	0.89	0.20	53,53,53,53	0
88	MG	6	1991	1/1	0.89	0.10	35,35,35,35	0
88	MG	q3	502	1/1	0.89	0.08	48,48,48,48	0
89	OHX	2	2093	7/7	0.89	0.16	196,196,196,196	0
88	MG	5	3685	1/1	0.89	0.10	35,35,35,35	0
89	OHX	2	2103	7/7	0.89	0.13	215,215,215,215	0
89	OHX	2	2108	7/7	0.89	0.16	199,199,199,199	0
88	MG	1	3660	1/1	0.89	0.18	29,29,29,29	0
89	OHX	m0	302	7/7	0.89	0.13	232,232,232,232	0
89	OHX	m1	202	7/7	0.89	0.09	259,259,259,259	0
89	OHX	d4	202	7/7	0.89	0.11	213,213,213,213	0
89	OHX	5	4093	7/7	0.89	0.24	227,227,227,227	0
89	OHX	5	4099	7/7	0.89	0.12	210,210,210,210	0
88	MG	1	3492	1/1	0.90	0.13	36,36,36,36	0
89	OHX	5	4159	7/7	0.90	0.14	231,231,231,231	0
88	MG	S8	301	1/1	0.90	0.19	47,47,47,47	0
89	OHX	5	4163	7/7	0.90	0.15	233,233,233,233	0
88	MG	5	3836	1/1	0.90	0.23	58,58,58,58	0
89	OHX	5	4165	7/7	0.90	0.16	204,204,204,204	0
88	MG	6	1979	1/1	0.90	0.23	40,40,40,40	0
88	MG	5	3487	1/1	0.90	0.15	49,49,49,49	0
89	OHX	2	2155	7/7	0.90	0.12	229,229,229,229	0
88	MG	2	1947	1/1	0.90	0.06	30,30,30,30	0
88	MG	5	3857	1/1	0.90	0.20	56,56,56,56	0
88	MG	5	3868	1/1	0.90	0.10	38,38,38,38	0
88	MG	2	1924	1/1	0.90	0.29	50,50,50,50	0
88	MG	4	208	1/1	0.90	0.09	44,44,44,44	0
88	MG	5	3506	1/1	0.90	0.24	22,22,22,22	0
89	OHX	6	2146	7/7	0.90	0.14	219,219,219,219	0
88	MG	1	3530	1/1	0.90	0.34	25,25,25,25	0
89	OHX	6	2149	7/7	0.90	0.14	207,207,207,207	0
89	OHX	5	4182	7/7	0.90	0.18	224,224,224,224	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
89	OHX	6	2150	7/7	0.90	0.12	206,206,206,206	0
88	MG	5	3539	1/1	0.90	0.32	36,36,36,36	0
89	OHX	5	4186	7/7	0.90	0.11	237,237,237,237	0
89	OHX	6	2153	7/7	0.90	0.21	241,241,241,241	0
88	MG	5	3894	1/1	0.90	0.17	41,41,41,41	0
88	MG	5	3574	1/1	0.90	0.23	21,21,21,21	0
89	OHX	6	2157	7/7	0.90	0.12	197,197,197,197	0
88	MG	7	208	1/1	0.90	0.25	47,47,47,47	0
88	MG	5	3590	1/1	0.90	0.16	23,23,23,23	0
88	MG	1	3773	1/1	0.90	0.12	35,35,35,35	0
89	OHX	5	4195	7/7	0.90	0.13	208,208,208,208	0
88	MG	8	202	1/1	0.90	0.16	37,37,37,37	0
88	MG	5	3627	1/1	0.90	0.16	35,35,35,35	0
88	MG	1	3414	1/1	0.90	0.30	39,39,39,39	0
88	MG	1	3789	1/1	0.90	0.19	50,50,50,50	0
88	MG	L7	303	1/1	0.90	0.14	56,56,56,56	0
89	OHX	5	4203	7/7	0.90	0.16	227,227,227,227	0
88	MG	2	2003	1/1	0.90	0.15	50,50,50,50	0
88	MG	5	3671	1/1	0.90	0.18	30,30,30,30	0
89	OHX	2	2179	7/7	0.90	0.15	267,267,267,267	0
88	MG	5	3684	1/1	0.90	0.12	43,43,43,43	0
89	OHX	S8	302	7/7	0.90	0.09	247,247,247,247	0
88	MG	1	3668	1/1	0.90	0.17	43,43,43,43	0
88	MG	n8	201	1/1	0.90	0.08	21,21,21,21	0
88	MG	2	1958	1/1	0.90	0.09	30,30,30,30	0
88	MG	1	3443	1/1	0.90	0.22	19,19,19,19	0
89	OHX	5	4216	7/7	0.90	0.12	217,217,217,217	0
88	MG	5	3690	1/1	0.90	0.18	54,54,54,54	0
88	MG	1	3700	1/1	0.90	0.14	49,49,49,49	0
89	OHX	5	4219	7/7	0.90	0.10	248,248,248,248	0
89	OHX	2	2081	7/7	0.90	0.14	191,191,191,191	0
88	MG	2	1906	1/1	0.90	0.15	31,31,31,31	0
89	OHX	1	4197	7/7	0.90	0.12	233,233,233,233	0
88	MG	6	1902	1/1	0.90	0.26	44,44,44,44	0
89	OHX	1	4080	7/7	0.90	0.15	216,216,216,216	0
89	OHX	1	4085	7/7	0.90	0.18	241,241,241,241	0
89	OHX	1	4093	7/7	0.90	0.13	227,227,227,227	0
88	MG	5	3699	1/1	0.90	0.11	51,51,51,51	0
89	OHX	2	2105	7/7	0.90	0.14	193,193,193,193	0
88	MG	1	3561	1/1	0.90	0.27	31,31,31,31	0
89	OHX	2	2112	7/7	0.90	0.10	235,235,235,235	0
88	MG	1	3568	1/1	0.90	0.12	25,25,25,25	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
89	OHX	5	4234	7/7	0.90	0.08	249,249,249,249	0
88	MG	1	3454	1/1	0.90	0.23	47,47,47,47	0
88	MG	2	1915	1/1	0.90	0.21	36,36,36,36	0
89	OHX	6	2195	7/7	0.90	0.13	231,231,231,231	0
88	MG	5	3724	1/1	0.90	0.09	37,37,37,37	0
88	MG	6	1918	1/1	0.90	0.18	41,41,41,41	0
88	MG	1	3459	1/1	0.90	0.19	24,24,24,24	0
89	OHX	1	4215	7/7	0.90	0.13	272,272,272,272	0
88	MG	c1	201	1/1	0.90	0.12	31,31,31,31	0
89	OHX	2	2134	7/7	0.90	0.15	213,213,213,213	0
88	MG	c7	201	1/1	0.90	0.31	64,64,64,64	0
89	OHX	s8	303	7/7	0.90	0.10	255,255,255,255	0
88	MG	6	1924	1/1	0.90	0.15	41,41,41,41	0
88	MG	2	1991	1/1	0.90	0.20	42,42,42,42	0
89	OHX	d9	102	7/7	0.90	0.13	235,235,235,235	0
89	OHX	5	4065	7/7	0.90	0.17	178,178,178,178	0
89	OHX	5	4090	7/7	0.90	0.17	188,188,188,188	0
89	OHX	1	4131	7/7	0.90	0.12	227,227,227,227	0
89	OHX	5	4096	7/7	0.90	0.17	175,175,175,175	0
88	MG	5	3423	1/1	0.90	0.19	34,34,34,34	0
88	MG	2	1967	1/1	0.90	0.08	50,50,50,50	0
89	OHX	1	4139	7/7	0.90	0.12	213,213,213,213	0
88	MG	5	3430	1/1	0.90	0.24	53,53,53,53	0
89	OHX	5	4112	7/7	0.90	0.13	242,242,242,242	0
89	OHX	1	4141	7/7	0.90	0.10	229,229,229,229	0
89	OHX	5	4131	7/7	0.90	0.15	195,195,195,195	0
88	MG	1	3595	1/1	0.90	0.23	28,28,28,28	0
88	MG	1	3480	1/1	0.90	0.21	30,30,30,30	0
89	OHX	3	225	7/7	0.90	0.12	271,271,271,271	0
89	OHX	2	2145	7/7	0.90	0.12	226,226,226,226	0
88	MG	5	3804	1/1	0.90	0.13	45,45,45,45	0
89	OHX	l5	304	7/7	0.90	0.11	239,239,239,239	0
88	MG	1	3864	1/1	0.90	0.24	28,28,28,28	0
89	OHX	5	4147	7/7	0.90	0.12	208,208,208,208	0
89	OHX	5	4150	7/7	0.90	0.17	215,215,215,215	0
89	OHX	4	232	7/7	0.90	0.13	249,249,249,249	0
89	OHX	5	4153	7/7	0.90	0.14	245,245,245,245	0
89	OHX	5	4154	7/7	0.90	0.14	220,220,220,220	0
88	MG	2	1969	1/1	0.90	0.31	61,61,61,61	0
88	MG	1	3725	1/1	0.91	0.06	21,21,21,21	0
89	OHX	sR	401	7/7	0.91	0.11	220,220,220,220	0
89	OHX	5	4019	7/7	0.91	0.16	171,171,171,171	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
89	OHX	5	4028	7/7	0.91	0.19	179,179,179,179	0
88	MG	1	3625	1/1	0.91	0.16	60,60,60,60	0
88	MG	3	210	1/1	0.91	0.12	48,48,48,48	0
88	MG	1	3417	1/1	0.91	0.19	32,32,32,32	0
88	MG	5	3716	1/1	0.91	0.08	38,38,38,38	0
88	MG	6	2012	1/1	0.91	0.16	33,33,33,33	0
89	OHX	5	4101	7/7	0.91	0.17	191,191,191,191	0
88	MG	6	2014	1/1	0.91	0.06	34,34,34,34	0
89	OHX	5	4103	7/7	0.91	0.14	197,197,197,197	0
88	MG	4	205	1/1	0.91	0.15	19,19,19,19	0
89	OHX	5	4106	7/7	0.91	0.13	187,187,187,187	0
88	MG	2	1926	1/1	0.91	0.17	46,46,46,46	0
88	MG	5	3734	1/1	0.91	0.11	40,40,40,40	0
89	OHX	5	4114	7/7	0.91	0.12	204,204,204,204	0
89	OHX	5	4119	7/7	0.91	0.11	199,199,199,199	0
88	MG	5	3735	1/1	0.91	0.15	49,49,49,49	0
89	OHX	5	4127	7/7	0.91	0.14	206,206,206,206	0
88	MG	1	3639	1/1	0.91	0.13	26,26,26,26	0
88	MG	5	3764	1/1	0.91	0.20	49,49,49,49	0
88	MG	5	3773	1/1	0.91	0.06	56,56,56,56	0
88	MG	6	2025	1/1	0.91	0.27	43,43,43,43	0
88	MG	6	2026	1/1	0.91	0.24	45,45,45,45	0
88	MG	1	3472	1/1	0.91	0.08	28,28,28,28	0
89	OHX	2	2161	7/7	0.91	0.11	312,312,312,312	0
88	MG	2	1988	1/1	0.91	0.25	60,60,60,60	0
89	OHX	5	4148	7/7	0.91	0.17	210,210,210,210	0
89	OHX	5	4149	7/7	0.91	0.16	216,216,216,216	0
88	MG	2	1948	1/1	0.91	0.21	31,31,31,31	0
88	MG	1	3647	1/1	0.91	0.09	35,35,35,35	0
89	OHX	5	4152	7/7	0.91	0.13	217,217,217,217	0
88	MG	L7	304	1/1	0.91	0.15	44,44,44,44	0
88	MG	1	3651	1/1	0.91	0.19	33,33,33,33	0
89	OHX	2	2167	7/7	0.91	0.10	254,254,254,254	0
88	MG	6	2043	1/1	0.91	0.16	35,35,35,35	0
88	MG	2	1943	1/1	0.91	0.10	33,33,33,33	0
89	OHX	5	4160	7/7	0.91	0.12	231,231,231,231	0
88	MG	M3	202	1/1	0.91	0.19	50,50,50,50	0
88	MG	1	3656	1/1	0.91	0.12	59,59,59,59	0
88	MG	1	3658	1/1	0.91	0.20	27,27,27,27	0
88	MG	5	3816	1/1	0.91	0.06	48,48,48,48	0
89	OHX	5	4166	7/7	0.91	0.14	189,189,189,189	0
89	OHX	1	4213	7/7	0.91	0.16	202,202,202,202	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
88	MG	M9	201	1/1	0.91	0.09	83,83,83,83	0
88	MG	1	3782	1/1	0.91	0.09	36,36,36,36	0
89	OHX	5	4170	7/7	0.91	0.16	208,208,208,208	0
88	MG	N8	201	1/1	0.91	0.14	30,30,30,30	0
88	MG	N8	202	1/1	0.91	0.08	16,16,16,16	0
89	OHX	5	4173	7/7	0.91	0.14	228,228,228,228	0
88	MG	5	3849	1/1	0.91	0.08	50,50,50,50	0
88	MG	N8	204	1/1	0.91	0.18	43,43,43,43	0
88	MG	1	3787	1/1	0.91	0.17	27,27,27,27	0
89	OHX	C3	201	7/7	0.91	0.10	238,238,238,238	0
88	MG	5	3444	1/1	0.91	0.08	24,24,24,24	0
88	MG	5	3448	1/1	0.91	0.12	53,53,53,53	0
88	MG	5	3878	1/1	0.91	0.18	25,25,25,25	0
88	MG	5	3451	1/1	0.91	0.27	38,38,38,38	0
88	MG	5	3887	1/1	0.91	0.15	33,33,33,33	0
88	MG	1	3450	1/1	0.91	0.13	32,32,32,32	0
88	MG	5	3456	1/1	0.91	0.07	44,44,44,44	0
88	MG	1	3666	1/1	0.91	0.24	60,60,60,60	0
88	MG	5	3892	1/1	0.91	0.08	17,17,17,17	0
88	MG	1	3667	1/1	0.91	0.10	51,51,51,51	0
89	OHX	1	4082	7/7	0.91	0.17	213,213,213,213	0
89	OHX	1	4084	7/7	0.91	0.14	231,231,231,231	0
88	MG	1	3451	1/1	0.91	0.13	14,14,14,14	0
89	OHX	1	4090	7/7	0.91	0.14	220,220,220,220	0
88	MG	5	4259	1/1	0.91	0.17	51,51,51,51	0
88	MG	1	3798	1/1	0.91	0.11	54,54,54,54	0
89	OHX	1	4095	7/7	0.91	0.15	207,207,207,207	0
89	OHX	1	4096	7/7	0.91	0.15	191,191,191,191	0
89	OHX	O3	201	7/7	0.91	0.17	178,178,178,178	0
89	OHX	1	4102	7/7	0.91	0.12	213,213,213,213	0
88	MG	2	1923	1/1	0.91	0.18	31,31,31,31	0
89	OHX	6	2121	7/7	0.91	0.15	213,213,213,213	0
89	OHX	6	2128	7/7	0.91	0.20	183,183,183,183	0
89	OHX	6	2129	7/7	0.91	0.15	191,191,191,191	0
88	MG	5	3480	1/1	0.91	0.18	48,48,48,48	0
88	MG	2	2008	1/1	0.91	0.31	33,33,33,33	0
89	OHX	6	2136	7/7	0.91	0.13	206,206,206,206	0
88	MG	1	3682	1/1	0.91	0.17	46,46,46,46	0
89	OHX	5	4213	7/7	0.91	0.16	281,281,281,281	0
88	MG	6	1928	1/1	0.91	0.27	51,51,51,51	0
88	MG	1	3685	1/1	0.91	0.15	49,49,49,49	0
89	OHX	1	4115	7/7	0.91	0.15	215,215,215,215	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
89	OHX	1	4116	7/7	0.91	0.14	209,209,209,209	0
88	MG	5	3500	1/1	0.91	0.23	33,33,33,33	0
88	MG	1	3689	1/1	0.91	0.20	47,47,47,47	0
89	OHX	5	4220	7/7	0.91	0.15	256,256,256,256	0
88	MG	17	302	1/1	0.91	0.22	38,38,38,38	0
88	MG	m1	201	1/1	0.91	0.12	41,41,41,41	0
89	OHX	6	2154	7/7	0.91	0.12	209,209,209,209	0
88	MG	1	3693	1/1	0.91	0.36	65,65,65,65	0
88	MG	5	3535	1/1	0.91	0.19	23,23,23,23	0
88	MG	n0	201	1/1	0.91	0.09	42,42,42,42	0
89	OHX	1	4128	7/7	0.91	0.11	222,222,222,222	0
88	MG	1	3833	1/1	0.91	0.09	47,47,47,47	0
88	MG	5	3553	1/1	0.91	0.21	12,12,12,12	0
89	OHX	1	4132	7/7	0.91	0.19	180,180,180,180	0
89	OHX	1	4133	7/7	0.91	0.16	208,208,208,208	0
88	MG	5	3557	1/1	0.91	0.23	32,32,32,32	0
89	OHX	1	4135	7/7	0.91	0.19	232,232,232,232	0
88	MG	6	1952	1/1	0.91	0.19	29,29,29,29	0
88	MG	5	3576	1/1	0.91	0.25	12,12,12,12	0
88	MG	o4	201	1/1	0.91	0.20	48,48,48,48	0
88	MG	5	3580	1/1	0.91	0.25	19,19,19,19	0
88	MG	5	3585	1/1	0.91	0.23	24,24,24,24	0
89	OHX	2	2091	7/7	0.91	0.13	192,192,192,192	0
89	OHX	6	2174	7/7	0.91	0.17	223,223,223,223	0
88	MG	6	1958	1/1	0.91	0.24	31,31,31,31	0
88	MG	5	3596	1/1	0.91	0.24	23,23,23,23	0
88	MG	1	3697	1/1	0.91	0.22	52,52,52,52	0
89	OHX	1	4147	7/7	0.91	0.16	166,166,166,166	0
88	MG	5	3609	1/1	0.91	0.21	45,45,45,45	0
88	MG	6	1967	1/1	0.91	0.08	29,29,29,29	0
88	MG	5	3634	1/1	0.91	0.16	26,26,26,26	0
88	MG	1	3538	1/1	0.91	0.22	40,40,40,40	0
89	OHX	2	2119	7/7	0.91	0.12	205,205,205,205	0
88	MG	5	3645	1/1	0.91	0.18	40,40,40,40	0
89	OHX	2	2121	7/7	0.91	0.12	237,237,237,237	0
89	OHX	2	2122	7/7	0.91	0.11	222,222,222,222	0
88	MG	1	3851	1/1	0.91	0.21	42,42,42,42	0
89	OHX	1	4158	7/7	0.91	0.10	257,257,257,257	0
88	MG	1	3602	1/1	0.91	0.29	26,26,26,26	0
88	MG	5	3657	1/1	0.91	0.14	42,42,42,42	0
89	OHX	1	4161	7/7	0.91	0.10	216,216,216,216	0
88	MG	1	3610	1/1	0.91	0.15	54,54,54,54	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
89	OHX	2	2132	7/7	0.91	0.13	211,211,211,211	0
89	OHX	1	4165	7/7	0.91	0.17	204,204,204,204	0
88	MG	1	3457	1/1	0.91	0.25	28,28,28,28	0
89	OHX	1	4168	7/7	0.91	0.16	257,257,257,257	0
89	OHX	1	4170	7/7	0.91	0.14	188,188,188,188	0
88	MG	1	3617	1/1	0.91	0.20	25,25,25,25	0
88	MG	1	3620	1/1	0.91	0.28	42,42,42,42	0
88	MG	1	3722	1/1	0.91	0.15	38,38,38,38	0
88	MG	6	1988	1/1	0.91	0.09	47,47,47,47	0
88	MG	6	1989	1/1	0.91	0.15	37,37,37,37	0
88	MG	2	1996	1/1	0.91	0.23	32,32,32,32	0
88	MG	1	3871	1/1	0.91	0.21	62,62,62,62	0
90	ZN	Q2	501	1/1	0.91	0.19	305,305,305,305	0
89	OHX	2	2142	7/7	0.91	0.17	172,172,172,172	0
89	OHX	5	4072	7/7	0.92	0.16	183,183,183,183	0
89	OHX	5	4081	7/7	0.92	0.13	194,194,194,194	0
88	MG	5	3449	1/1	0.92	0.08	31,31,31,31	0
88	MG	1	3843	1/1	0.92	0.40	50,50,50,50	0
89	OHX	5	4094	7/7	0.92	0.17	177,177,177,177	0
88	MG	6	1925	1/1	0.92	0.29	20,20,20,20	0
88	MG	1	3627	1/1	0.92	0.14	30,30,30,30	0
89	OHX	5	4100	7/7	0.92	0.12	197,197,197,197	0
88	MG	2	1985	1/1	0.92	0.07	53,53,53,53	0
88	MG	5	3809	1/1	0.92	0.09	33,33,33,33	0
88	MG	2	1914	1/1	0.92	0.20	33,33,33,33	0
88	MG	5	3466	1/1	0.92	0.24	50,50,50,50	0
88	MG	1	3634	1/1	0.92	0.08	21,21,21,21	0
88	MG	2	2010	1/1	0.92	0.33	46,46,46,46	0
88	MG	6	1941	1/1	0.92	0.18	25,25,25,25	0
88	MG	5	3825	1/1	0.92	0.08	33,33,33,33	0
88	MG	6	1944	1/1	0.92	0.23	29,29,29,29	0
89	OHX	5	4122	7/7	0.92	0.14	192,192,192,192	0
89	OHX	5	4123	7/7	0.92	0.12	185,185,185,185	0
89	OHX	2	2168	7/7	0.92	0.14	198,198,198,198	0
88	MG	5	3483	1/1	0.92	0.20	21,21,21,21	0
88	MG	5	3484	1/1	0.92	0.23	42,42,42,42	0
88	MG	1	3858	1/1	0.92	0.28	61,61,61,61	0
88	MG	1	3727	1/1	0.92	0.08	42,42,42,42	0
88	MG	1	3446	1/1	0.92	0.14	27,27,27,27	0
88	MG	1	3734	1/1	0.92	0.20	44,44,44,44	0
89	OHX	1	4205	7/7	0.92	0.12	220,220,220,220	0
88	MG	1	3868	1/1	0.92	0.09	46,46,46,46	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
88	MG	6	1971	1/1	0.92	0.10	22,22,22,22	0
88	MG	5	3881	1/1	0.92	0.23	28,28,28,28	0
88	MG	5	3885	1/1	0.92	0.21	25,25,25,25	0
88	MG	1	3736	1/1	0.92	0.07	65,65,65,65	0
88	MG	1	3870	1/1	0.92	0.22	43,43,43,43	0
88	MG	2	1933	1/1	0.92	0.12	39,39,39,39	0
88	MG	2	2013	1/1	0.92	0.18	47,47,47,47	0
88	MG	5	3554	1/1	0.92	0.10	23,23,23,23	0
89	OHX	5	4155	7/7	0.92	0.12	203,203,203,203	0
88	MG	2	1992	1/1	0.92	0.13	53,53,53,53	0
88	MG	5	3562	1/1	0.92	0.28	28,28,28,28	0
89	OHX	1	3963	7/7	0.92	0.21	137,137,137,137	0
88	MG	5	3895	1/1	0.92	0.11	114,114,114,114	0
88	MG	5	3897	1/1	0.92	0.12	32,32,32,32	0
89	OHX	5	4162	7/7	0.92	0.15	236,236,236,236	0
88	MG	1	3560	1/1	0.92	0.15	55,55,55,55	0
89	OHX	1	4049	7/7	0.92	0.15	174,174,174,174	0
89	OHX	1	4223	7/7	0.92	0.18	222,222,222,222	0
89	OHX	1	4057	7/7	0.92	0.14	193,193,193,193	0
89	OHX	1	4058	7/7	0.92	0.16	174,174,174,174	0
88	MG	5	3899	1/1	0.92	0.10	26,26,26,26	0
88	MG	3	211	1/1	0.92	0.08	47,47,47,47	0
88	MG	5	4261	1/1	0.92	0.13	48,48,48,48	0
89	OHX	1	4079	7/7	0.92	0.13	183,183,183,183	0
88	MG	3	212	1/1	0.92	0.10	87,87,87,87	0
89	OHX	4	227	7/7	0.92	0.11	186,186,186,186	0
88	MG	7	211	1/1	0.92	0.08	55,55,55,55	0
88	MG	7	212	1/1	0.92	0.06	41,41,41,41	0
88	MG	2	2017	1/1	0.92	0.33	49,49,49,49	0
89	OHX	1	4089	7/7	0.92	0.14	187,187,187,187	0
88	MG	1	3563	1/1	0.92	0.21	17,17,17,17	0
89	OHX	1	4092	7/7	0.92	0.14	205,205,205,205	0
88	MG	2	1971	1/1	0.92	0.07	26,26,26,26	0
89	OHX	M0	303	7/7	0.92	0.15	153,153,153,153	0
88	MG	1	3577	1/1	0.92	0.25	22,22,22,22	0
88	MG	2	1972	1/1	0.92	0.14	36,36,36,36	0
88	MG	2	1995	1/1	0.92	0.09	38,38,38,38	0
89	OHX	1	4099	7/7	0.92	0.15	193,193,193,193	0
89	OHX	6	2102	7/7	0.92	0.17	166,166,166,166	0
88	MG	5	3628	1/1	0.92	0.09	12,12,12,12	0
88	MG	5	3631	1/1	0.92	0.22	60,60,60,60	0
88	MG	17	301	1/1	0.92	0.10	36,36,36,36	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
89	OHX	6	2123	7/7	0.92	0.13	188,188,188,188	0
89	OHX	6	2124	7/7	0.92	0.13	218,218,218,218	0
89	OHX	6	2127	7/7	0.92	0.13	190,190,190,190	0
88	MG	5	3633	1/1	0.92	0.11	39,39,39,39	0
89	OHX	1	4109	7/7	0.92	0.10	219,219,219,219	0
88	MG	1	3777	1/1	0.92	0.13	40,40,40,40	0
88	MG	6	2008	1/1	0.92	0.19	56,56,56,56	0
89	OHX	6	2134	7/7	0.92	0.14	183,183,183,183	0
89	OHX	5	4201	7/7	0.92	0.11	220,220,220,220	0
88	MG	5	3638	1/1	0.92	0.16	40,40,40,40	0
88	MG	m7	204	1/1	0.92	0.13	33,33,33,33	0
88	MG	5	3639	1/1	0.92	0.13	38,38,38,38	0
88	MG	L5	301	1/1	0.92	0.09	32,32,32,32	0
88	MG	5	3647	1/1	0.92	0.14	58,58,58,58	0
88	MG	1	3401	1/1	0.92	0.10	32,32,32,32	0
88	MG	1	3670	1/1	0.92	0.20	39,39,39,39	0
88	MG	1	3671	1/1	0.92	0.18	45,45,45,45	0
89	OHX	5	4212	7/7	0.92	0.13	215,215,215,215	0
88	MG	5	3658	1/1	0.92	0.11	29,29,29,29	0
88	MG	q1	101	1/1	0.92	0.19	30,30,30,30	0
89	OHX	1	4127	7/7	0.92	0.17	208,208,208,208	0
88	MG	1	3403	1/1	0.92	0.22	35,35,35,35	0
89	OHX	1	4129	7/7	0.92	0.13	194,194,194,194	0
89	OHX	2	2075	7/7	0.92	0.13	209,209,209,209	0
89	OHX	2	2078	7/7	0.92	0.12	189,189,189,189	0
88	MG	5	3665	1/1	0.92	0.16	15,15,15,15	0
89	OHX	2	2084	7/7	0.92	0.14	208,208,208,208	0
89	OHX	2	2086	7/7	0.92	0.13	207,207,207,207	0
89	OHX	6	2162	7/7	0.92	0.12	210,210,210,210	0
88	MG	2	1902	1/1	0.92	0.15	16,16,16,16	0
89	OHX	1	4136	7/7	0.92	0.17	209,209,209,209	0
89	OHX	1	4137	7/7	0.92	0.12	207,207,207,207	0
88	MG	5	3677	1/1	0.92	0.08	33,33,33,33	0
88	MG	1	3677	1/1	0.92	0.21	32,32,32,32	0
88	MG	M7	202	1/1	0.92	0.25	35,35,35,35	0
89	OHX	2	2104	7/7	0.92	0.10	217,217,217,217	0
88	MG	1	3406	1/1	0.92	0.16	38,38,38,38	0
88	MG	5	3688	1/1	0.92	0.18	43,43,43,43	0
88	MG	1	3684	1/1	0.92	0.05	27,27,27,27	0
89	OHX	2	2113	7/7	0.92	0.11	194,194,194,194	0
89	OHX	2	2114	7/7	0.92	0.13	208,208,208,208	0
88	MG	6	2036	1/1	0.92	0.20	37,37,37,37	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
89	OHX	2	2118	7/7	0.92	0.12	206,206,206,206	0
88	MG	N0	201	1/1	0.92	0.22	35,35,35,35	0
88	MG	N3	203	1/1	0.92	0.13	34,34,34,34	0
88	MG	6	2040	1/1	0.92	0.21	51,51,51,51	0
88	MG	5	3698	1/1	0.92	0.19	38,38,38,38	0
89	OHX	2	2125	7/7	0.92	0.11	212,212,212,212	0
88	MG	1	3487	1/1	0.92	0.20	26,26,26,26	0
88	MG	5	3701	1/1	0.92	0.09	32,32,32,32	0
88	MG	5	3705	1/1	0.92	0.08	37,37,37,37	0
88	MG	1	3804	1/1	0.92	0.15	59,59,59,59	0
88	MG	5	3708	1/1	0.92	0.14	45,45,45,45	0
88	MG	2	1930	1/1	0.92	0.27	41,41,41,41	0
88	MG	1	3810	1/1	0.92	0.18	52,52,52,52	0
88	MG	1	3613	1/1	0.92	0.27	36,36,36,36	0
88	MG	2	1941	1/1	0.92	0.17	46,46,46,46	0
88	MG	6	1903	1/1	0.92	0.32	33,33,33,33	0
88	MG	5	3401	1/1	0.92	0.10	36,36,36,36	0
89	OHX	1	4167	7/7	0.92	0.13	221,221,221,221	0
88	MG	1	3500	1/1	0.92	0.27	27,27,27,27	0
88	MG	5	3407	1/1	0.92	0.10	30,30,30,30	0
88	MG	5	3739	1/1	0.92	0.16	55,55,55,55	0
88	MG	5	3741	1/1	0.92	0.21	40,40,40,40	0
88	MG	5	3410	1/1	0.92	0.19	41,41,41,41	0
88	MG	5	3411	1/1	0.92	0.18	20,20,20,20	0
89	OHX	8	230	7/7	0.92	0.12	219,219,219,219	0
89	OHX	1	4175	7/7	0.92	0.17	210,210,210,210	0
88	MG	2	1963	1/1	0.92	0.19	46,46,46,46	0
88	MG	5	3774	1/1	0.92	0.10	55,55,55,55	0
89	OHX	15	303	7/7	0.92	0.11	200,200,200,200	0
88	MG	1	3830	1/1	0.92	0.22	56,56,56,56	0
88	MG	5	3782	1/1	0.92	0.08	55,55,55,55	0
88	MG	1	3832	1/1	0.92	0.10	41,41,41,41	0
89	OHX	19	600	7/7	0.92	0.10	219,219,219,219	0
88	MG	6	1917	1/1	0.92	0.15	31,31,31,31	0
88	MG	2	1942	1/1	0.92	0.13	39,39,39,39	0
89	OHX	5	4029	7/7	0.92	0.18	142,142,142,142	0
89	OHX	5	4039	7/7	0.92	0.13	163,163,163,163	0
89	OHX	5	4044	7/7	0.92	0.14	166,166,166,166	0
88	MG	1	3520	1/1	0.92	0.24	8,8,8,8	0
89	OHX	5	4038	7/7	0.93	0.13	155,155,155,155	0
88	MG	5	3772	1/1	0.93	0.16	71,71,71,71	0
88	MG	5	3434	1/1	0.93	0.09	62,62,62,62	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
89	OHX	5	4064	7/7	0.93	0.16	167,167,167,167	0
88	MG	5	3436	1/1	0.93	0.12	19,19,19,19	0
88	MG	5	3777	1/1	0.93	0.08	48,48,48,48	0
89	OHX	5	4076	7/7	0.93	0.14	184,184,184,184	0
88	MG	5	3437	1/1	0.93	0.29	55,55,55,55	0
89	OHX	5	4084	7/7	0.93	0.14	173,173,173,173	0
88	MG	5	3440	1/1	0.93	0.19	28,28,28,28	0
88	MG	1	3812	1/1	0.93	0.12	43,43,43,43	0
88	MG	5	3785	1/1	0.93	0.06	49,49,49,49	0
89	OHX	5	4095	7/7	0.93	0.14	181,181,181,181	0
88	MG	6	1910	1/1	0.93	0.11	44,44,44,44	0
89	OHX	5	4098	7/7	0.93	0.13	172,172,172,172	0
88	MG	1	3686	1/1	0.93	0.11	37,37,37,37	0
88	MG	1	3823	1/1	0.93	0.16	44,44,44,44	0
88	MG	1	3687	1/1	0.93	0.10	28,28,28,28	0
88	MG	6	1919	1/1	0.93	0.21	21,21,21,21	0
88	MG	1	3826	1/1	0.93	0.21	52,52,52,52	0
88	MG	6	1923	1/1	0.93	0.18	39,39,39,39	0
89	OHX	5	4105	7/7	0.93	0.16	180,180,180,180	0
88	MG	1	3827	1/1	0.93	0.15	49,49,49,49	0
89	OHX	5	4108	7/7	0.93	0.14	167,167,167,167	0
89	OHX	5	4109	7/7	0.93	0.12	184,184,184,184	0
88	MG	5	3807	1/1	0.93	0.17	40,40,40,40	0
88	MG	1	3608	1/1	0.93	0.17	27,27,27,27	0
88	MG	1	3499	1/1	0.93	0.19	18,18,18,18	0
88	MG	2	1952	1/1	0.93	0.22	50,50,50,50	0
89	OHX	5	4120	7/7	0.93	0.15	187,187,187,187	0
88	MG	5	3476	1/1	0.93	0.14	36,36,36,36	0
88	MG	6	1932	1/1	0.93	0.18	29,29,29,29	0
89	OHX	5	4124	7/7	0.93	0.13	193,193,193,193	0
88	MG	2	2181	1/1	0.93	0.08	36,36,36,36	0
89	OHX	5	4126	7/7	0.93	0.13	201,201,201,201	0
88	MG	S4	302	1/1	0.93	0.27	53,53,53,53	0
89	OHX	5	4128	7/7	0.93	0.10	200,200,200,200	0
89	OHX	5	4130	7/7	0.93	0.12	193,193,193,193	0
88	MG	1	3703	1/1	0.93	0.12	12,12,12,12	0
89	OHX	5	4132	7/7	0.93	0.10	196,196,196,196	0
88	MG	1	3846	1/1	0.93	0.21	31,31,31,31	0
88	MG	5	3847	1/1	0.93	0.19	59,59,59,59	0
88	MG	1	3707	1/1	0.93	0.16	35,35,35,35	0
88	MG	5	3493	1/1	0.93	0.08	41,41,41,41	0
88	MG	5	3851	1/1	0.93	0.12	47,47,47,47	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
88	MG	6	1951	1/1	0.93	0.25	36,36,36,36	0
89	OHX	5	4146	7/7	0.93	0.12	225,225,225,225	0
88	MG	1	3517	1/1	0.93	0.25	10,10,10,10	0
89	OHX	1	4207	7/7	0.93	0.11	191,191,191,191	0
88	MG	5	3505	1/1	0.93	0.23	19,19,19,19	0
88	MG	5	3869	1/1	0.93	0.06	28,28,28,28	0
88	MG	1	3518	1/1	0.93	0.22	24,24,24,24	0
88	MG	5	3507	1/1	0.93	0.21	29,29,29,29	0
88	MG	5	3516	1/1	0.93	0.26	17,17,17,17	0
88	MG	1	3711	1/1	0.93	0.10	47,47,47,47	0
88	MG	6	1964	1/1	0.93	0.15	34,34,34,34	0
88	MG	1	3623	1/1	0.93	0.16	30,30,30,30	0
88	MG	5	3543	1/1	0.93	0.18	14,14,14,14	0
88	MG	6	1968	1/1	0.93	0.15	28,28,28,28	0
88	MG	1	3856	1/1	0.93	0.16	42,42,42,42	0
88	MG	5	3556	1/1	0.93	0.19	10,10,10,10	0
88	MG	5	3893	1/1	0.93	0.10	87,87,87,87	0
89	OHX	1	3976	7/7	0.93	0.12	144,144,144,144	0
89	OHX	1	4008	7/7	0.93	0.14	168,168,168,168	0
89	OHX	1	4015	7/7	0.93	0.12	202,202,202,202	0
89	OHX	1	4023	7/7	0.93	0.16	155,155,155,155	0
88	MG	S6	301	1/1	0.93	0.12	58,58,58,58	0
89	OHX	1	4029	7/7	0.93	0.12	180,180,180,180	0
89	OHX	3	221	7/7	0.93	0.12	180,180,180,180	0
89	OHX	1	4030	7/7	0.93	0.15	164,164,164,164	0
89	OHX	1	4032	7/7	0.93	0.16	163,163,163,163	0
88	MG	1	3715	1/1	0.93	0.07	49,49,49,49	0
88	MG	5	3569	1/1	0.93	0.23	10,10,10,10	0
88	MG	1	3526	1/1	0.93	0.17	12,12,12,12	0
88	MG	2	1940	1/1	0.93	0.16	39,39,39,39	0
88	MG	5	4258	1/1	0.93	0.22	54,54,54,54	0
89	OHX	1	4062	7/7	0.93	0.17	173,173,173,173	0
89	OHX	1	4066	7/7	0.93	0.15	195,195,195,195	0
88	MG	1	3531	1/1	0.93	0.15	11,11,11,11	0
88	MG	5	3582	1/1	0.93	0.21	26,26,26,26	0
88	MG	7	203	1/1	0.93	0.18	48,48,48,48	0
88	MG	7	207	1/1	0.93	0.13	54,54,54,54	0
88	MG	2	1960	1/1	0.93	0.24	54,54,54,54	0
88	MG	1	3635	1/1	0.93	0.17	48,48,48,48	0
89	OHX	1	4083	7/7	0.93	0.13	183,183,183,183	0
88	MG	1	3637	1/1	0.93	0.18	30,30,30,30	0
89	OHX	6	2082	7/7	0.93	0.15	136,136,136,136	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
89	OHX	6	2092	7/7	0.93	0.16	166,166,166,166	0
88	MG	1	3539	1/1	0.93	0.23	20,20,20,20	0
89	OHX	1	4087	7/7	0.93	0.12	188,188,188,188	0
89	OHX	5	4193	7/7	0.93	0.11	227,227,227,227	0
89	OHX	1	4088	7/7	0.93	0.15	187,187,187,187	0
88	MG	1	3542	1/1	0.93	0.20	15,15,15,15	0
88	MG	5	3620	1/1	0.93	0.20	44,44,44,44	0
88	MG	8	204	1/1	0.93	0.23	50,50,50,50	0
88	MG	1	3642	1/1	0.93	0.19	42,42,42,42	0
88	MG	6	1992	1/1	0.93	0.25	57,57,57,57	0
88	MG	1	3742	1/1	0.93	0.20	49,49,49,49	0
88	MG	12	301	1/1	0.93	0.20	30,30,30,30	0
89	OHX	1	4097	7/7	0.93	0.12	227,227,227,227	0
89	OHX	5	4204	7/7	0.93	0.12	185,185,185,185	0
88	MG	13	404	1/1	0.93	0.10	59,59,59,59	0
88	MG	14	402	1/1	0.93	0.10	41,41,41,41	0
89	OHX	6	2137	7/7	0.93	0.11	212,212,212,212	0
89	OHX	1	4104	7/7	0.93	0.16	194,194,194,194	0
88	MG	1	3743	1/1	0.93	0.12	43,43,43,43	0
89	OHX	6	2142	7/7	0.93	0.13	185,185,185,185	0
89	OHX	6	2143	7/7	0.93	0.12	233,233,233,233	0
88	MG	1	3744	1/1	0.93	0.14	45,45,45,45	0
88	MG	5	3635	1/1	0.93	0.07	26,26,26,26	0
88	MG	1	3752	1/1	0.93	0.17	46,46,46,46	0
88	MG	4	207	1/1	0.93	0.20	42,42,42,42	0
89	OHX	1	4112	7/7	0.93	0.11	198,198,198,198	0
88	MG	1	3452	1/1	0.93	0.20	27,27,27,27	0
88	MG	5	3640	1/1	0.93	0.20	35,35,35,35	0
88	MG	m5	304	1/1	0.93	0.07	39,39,39,39	0
88	MG	5	3644	1/1	0.93	0.06	30,30,30,30	0
88	MG	2	1980	1/1	0.93	0.15	24,24,24,24	0
89	OHX	1	4118	7/7	0.93	0.12	179,179,179,179	0
88	MG	1	3404	1/1	0.93	0.17	30,30,30,30	0
88	MG	n6	202	1/1	0.93	0.15	26,26,26,26	0
88	MG	1	3763	1/1	0.93	0.06	29,29,29,29	0
88	MG	L3	403	1/1	0.93	0.09	53,53,53,53	0
88	MG	1	3648	1/1	0.93	0.17	33,33,33,33	0
88	MG	6	2020	1/1	0.93	0.15	46,46,46,46	0
88	MG	5	3659	1/1	0.93	0.19	55,55,55,55	0
88	MG	6	2022	1/1	0.93	0.07	50,50,50,50	0
88	MG	5	3664	1/1	0.93	0.21	42,42,42,42	0
88	MG	2	1920	1/1	0.93	0.07	23,23,23,23	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
88	MG	L7	301	1/1	0.93	0.07	32,32,32,32	0
89	OHX	2	2080	7/7	0.93	0.11	174,174,174,174	0
88	MG	L7	302	1/1	0.93	0.10	49,49,49,49	0
88	MG	6	2029	1/1	0.93	0.17	49,49,49,49	0
88	MG	1	3653	1/1	0.93	0.09	30,30,30,30	0
89	OHX	2	2088	7/7	0.93	0.14	184,184,184,184	0
88	MG	6	2033	1/1	0.93	0.11	46,46,46,46	0
88	MG	1	3458	1/1	0.93	0.14	3,3,3,3	0
88	MG	2	1916	1/1	0.93	0.20	37,37,37,37	0
89	OHX	2	2101	7/7	0.93	0.11	199,199,199,199	0
89	OHX	2	2102	7/7	0.93	0.13	174,174,174,174	0
88	MG	1	3465	1/1	0.93	0.15	38,38,38,38	0
88	MG	2	1974	1/1	0.93	0.14	55,55,55,55	0
88	MG	1	3661	1/1	0.93	0.11	22,22,22,22	0
89	OHX	2	2106	7/7	0.93	0.13	196,196,196,196	0
88	MG	6	2041	1/1	0.93	0.08	21,21,21,21	0
89	OHX	2	2109	7/7	0.93	0.11	213,213,213,213	0
88	MG	1	3785	1/1	0.93	0.10	43,43,43,43	0
88	MG	1	3566	1/1	0.93	0.20	29,29,29,29	0
88	MG	1	3409	1/1	0.93	0.16	7,7,7,7	0
88	MG	1	3574	1/1	0.93	0.22	20,20,20,20	0
88	MG	s8	302	1/1	0.93	0.14	34,34,34,34	0
88	MG	1	3411	1/1	0.93	0.15	20,20,20,20	0
89	OHX	7	222	7/7	0.93	0.13	170,170,170,170	0
89	OHX	7	223	7/7	0.93	0.13	204,204,204,204	0
88	MG	2	2016	1/1	0.93	0.11	37,37,37,37	0
88	MG	c8	201	1/1	0.93	0.15	41,41,41,41	0
88	MG	5	3719	1/1	0.93	0.09	36,36,36,36	0
89	OHX	8	226	7/7	0.93	0.13	222,222,222,222	0
88	MG	2	1975	1/1	0.93	0.20	66,66,66,66	0
89	OHX	2	2126	7/7	0.93	0.13	205,205,205,205	0
89	OHX	8	229	7/7	0.93	0.11	204,204,204,204	0
88	MG	1	3419	1/1	0.93	0.23	36,36,36,36	0
88	MG	1	3801	1/1	0.93	0.35	29,29,29,29	0
89	OHX	6	2200	7/7	0.93	0.09	237,237,237,237	0
88	MG	5	3730	1/1	0.93	0.06	37,37,37,37	0
88	MG	1	3803	1/1	0.93	0.18	54,54,54,54	0
89	OHX	1	4164	7/7	0.93	0.11	201,201,201,201	0
88	MG	2	2004	1/1	0.93	0.21	59,59,59,59	0
88	MG	1	3426	1/1	0.93	0.09	14,14,14,14	0
89	OHX	c5	201	7/7	0.93	0.09	215,215,215,215	0
88	MG	6	1904	1/1	0.93	0.15	27,27,27,27	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
88	MG	5	3740	1/1	0.93	0.12	24,24,24,24	0
88	MG	6	1906	1/1	0.93	0.21	27,27,27,27	0
88	MG	5	3751	1/1	0.93	0.19	4,4,4,4	0
88	MG	1	3496	1/1	0.93	0.12	33,33,33,33	0
88	MG	1	3497	1/1	0.93	0.17	41,41,41,41	0
88	MG	C8	201	1/1	0.94	0.11	86,86,86,86	0
88	MG	6	2032	1/1	0.94	0.13	50,50,50,50	0
88	MG	M7	201	1/1	0.94	0.21	15,15,15,15	0
88	MG	1	3537	1/1	0.94	0.16	8,8,8,8	0
88	MG	1	3616	1/1	0.94	0.06	36,36,36,36	0
88	MG	1	3469	1/1	0.94	0.28	33,33,33,33	0
88	MG	5	3663	1/1	0.94	0.13	15,15,15,15	0
88	MG	6	2038	1/1	0.94	0.21	39,39,39,39	0
88	MG	1	3619	1/1	0.94	0.18	40,40,40,40	0
88	MG	5	3667	1/1	0.94	0.20	45,45,45,45	0
88	MG	5	3670	1/1	0.94	0.05	10,10,10,10	0
89	OHX	c1	202	7/7	0.94	0.12	216,216,216,216	0
89	OHX	2	2057	7/7	0.94	0.12	171,171,171,171	0
89	OHX	2	2067	7/7	0.94	0.12	171,171,171,171	0
89	OHX	c8	202	7/7	0.94	0.11	186,186,186,186	0
89	OHX	2	2068	7/7	0.94	0.11	200,200,200,200	0
88	MG	N3	202	1/1	0.94	0.18	55,55,55,55	0
88	MG	2	1984	1/1	0.94	0.09	37,37,37,37	0
89	OHX	5	4008	7/7	0.94	0.17	141,141,141,141	0
88	MG	5	3679	1/1	0.94	0.04	51,51,51,51	0
89	OHX	5	4022	7/7	0.94	0.12	177,177,177,177	0
88	MG	5	3683	1/1	0.94	0.25	42,42,42,42	0
89	OHX	2	2082	7/7	0.94	0.09	195,195,195,195	0
88	MG	1	3477	1/1	0.94	0.19	21,21,21,21	0
89	OHX	1	4149	7/7	0.94	0.19	144,144,144,144	0
89	OHX	2	2085	7/7	0.94	0.11	198,198,198,198	0
89	OHX	5	4055	7/7	0.94	0.18	166,166,166,166	0
89	OHX	5	4062	7/7	0.94	0.14	178,178,178,178	0
88	MG	1	3622	1/1	0.94	0.05	36,36,36,36	0
88	MG	1	3479	1/1	0.94	0.18	24,24,24,24	0
89	OHX	5	4066	7/7	0.94	0.11	181,181,181,181	0
88	MG	1	3706	1/1	0.94	0.32	55,55,55,55	0
89	OHX	5	4073	7/7	0.94	0.17	183,183,183,183	0
89	OHX	5	4074	7/7	0.94	0.13	171,171,171,171	0
88	MG	N8	205	1/1	0.94	0.13	45,45,45,45	0
89	OHX	5	4078	7/7	0.94	0.12	194,194,194,194	0
89	OHX	5	4079	7/7	0.94	0.12	165,165,165,165	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
88	MG	O4	201	1/1	0.94	0.12	42,42,42,42	0
89	OHX	5	4082	7/7	0.94	0.14	159,159,159,159	0
88	MG	5	3691	1/1	0.94	0.16	42,42,42,42	0
89	OHX	5	4085	7/7	0.94	0.13	145,145,145,145	0
89	OHX	5	4086	7/7	0.94	0.12	172,172,172,172	0
89	OHX	5	4087	7/7	0.94	0.10	178,178,178,178	0
89	OHX	5	4089	7/7	0.94	0.12	175,175,175,175	0
88	MG	1	3546	1/1	0.94	0.23	15,15,15,15	0
88	MG	1	3814	1/1	0.94	0.20	47,47,47,47	0
88	MG	1	3430	1/1	0.94	0.43	39,39,39,39	0
88	MG	d3	201	1/1	0.94	0.12	60,60,60,60	0
88	MG	1	3435	1/1	0.94	0.05	23,23,23,23	0
88	MG	1	3440	1/1	0.94	0.26	27,27,27,27	0
88	MG	5	3704	1/1	0.94	0.05	50,50,50,50	0
89	OHX	2	2110	7/7	0.94	0.10	203,203,203,203	0
88	MG	1	3551	1/1	0.94	0.18	34,34,34,34	0
88	MG	1	3555	1/1	0.94	0.21	11,11,11,11	0
88	MG	1	3402	1/1	0.94	0.15	23,23,23,23	0
88	MG	5	3712	1/1	0.94	0.43	62,62,62,62	0
88	MG	5	3416	1/1	0.94	0.14	31,31,31,31	0
88	MG	5	3417	1/1	0.94	0.11	5,5,5,5	0
89	OHX	5	4107	7/7	0.94	0.15	182,182,182,182	0
88	MG	5	3717	1/1	0.94	0.33	73,73,73,73	0
88	MG	5	3718	1/1	0.94	0.24	50,50,50,50	0
89	OHX	5	4110	7/7	0.94	0.12	168,168,168,168	0
88	MG	5	3418	1/1	0.94	0.23	12,12,12,12	0
89	OHX	2	2124	7/7	0.94	0.14	213,213,213,213	0
88	MG	1	3557	1/1	0.94	0.16	13,13,13,13	0
89	OHX	5	4115	7/7	0.94	0.16	164,164,164,164	0
89	OHX	5	4117	7/7	0.94	0.15	193,193,193,193	0
89	OHX	5	4118	7/7	0.94	0.15	167,167,167,167	0
88	MG	5	3424	1/1	0.94	0.23	42,42,42,42	0
88	MG	5	3723	1/1	0.94	0.14	47,47,47,47	0
88	MG	5	3427	1/1	0.94	0.23	30,30,30,30	0
88	MG	6	1912	1/1	0.94	0.17	44,44,44,44	0
88	MG	5	3731	1/1	0.94	0.23	15,15,15,15	0
88	MG	1	3831	1/1	0.94	0.24	54,54,54,54	0
88	MG	6	1916	1/1	0.94	0.21	38,38,38,38	0
88	MG	2	1939	1/1	0.94	0.15	29,29,29,29	0
88	MG	5	3737	1/1	0.94	0.23	47,47,47,47	0
89	OHX	5	4129	7/7	0.94	0.09	209,209,209,209	0
88	MG	2	2015	1/1	0.94	0.35	57,57,57,57	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
88	MG	2	1965	1/1	0.94	0.08	42,42,42,42	0
88	MG	2	1950	1/1	0.94	0.07	29,29,29,29	0
89	OHX	5	4133	7/7	0.94	0.11	185,185,185,185	0
89	OHX	5	4134	7/7	0.94	0.13	167,167,167,167	0
88	MG	5	3742	1/1	0.94	0.23	31,31,31,31	0
89	OHX	5	4138	7/7	0.94	0.13	198,198,198,198	0
88	MG	6	1922	1/1	0.94	0.21	28,28,28,28	0
89	OHX	2	2141	7/7	0.94	0.10	222,222,222,222	0
88	MG	5	3753	1/1	0.94	0.14	54,54,54,54	0
89	OHX	5	4143	7/7	0.94	0.09	222,222,222,222	0
88	MG	5	3754	1/1	0.94	0.19	45,45,45,45	0
88	MG	5	3755	1/1	0.94	0.16	38,38,38,38	0
88	MG	5	3758	1/1	0.94	0.10	41,41,41,41	0
88	MG	5	3446	1/1	0.94	0.19	44,44,44,44	0
88	MG	5	3762	1/1	0.94	0.05	31,31,31,31	0
88	MG	1	3567	1/1	0.94	0.10	21,21,21,21	0
88	MG	5	3767	1/1	0.94	0.13	49,49,49,49	0
88	MG	1	3735	1/1	0.94	0.17	92,92,92,92	0
88	MG	2	1957	1/1	0.94	0.20	35,35,35,35	0
89	OHX	2	2152	7/7	0.94	0.10	239,239,239,239	0
88	MG	6	1926	1/1	0.94	0.26	40,40,40,40	0
88	MG	5	3455	1/1	0.94	0.06	21,21,21,21	0
88	MG	1	3852	1/1	0.94	0.15	20,20,20,20	0
88	MG	2	1935	1/1	0.94	0.17	27,27,27,27	0
88	MG	1	3503	1/1	0.94	0.24	11,11,11,11	0
88	MG	1	3741	1/1	0.94	0.20	53,53,53,53	0
88	MG	5	3787	1/1	0.94	0.13	50,50,50,50	0
88	MG	5	3792	1/1	0.94	0.10	17,17,17,17	0
88	MG	1	3580	1/1	0.94	0.06	10,10,10,10	0
88	MG	1	3581	1/1	0.94	0.20	13,13,13,13	0
88	MG	6	1938	1/1	0.94	0.23	33,33,33,33	0
88	MG	5	3796	1/1	0.94	0.10	41,41,41,41	0
88	MG	5	3475	1/1	0.94	0.15	26,26,26,26	0
88	MG	1	3860	1/1	0.94	0.23	101,101,101,101	0
88	MG	2	2022	1/1	0.94	0.10	69,69,69,69	0
88	MG	6	1949	1/1	0.94	0.29	35,35,35,35	0
88	MG	5	3803	1/1	0.94	0.15	64,64,64,64	0
88	MG	6	1950	1/1	0.94	0.17	14,14,14,14	0
88	MG	5	3806	1/1	0.94	0.06	35,35,35,35	0
88	MG	1	3863	1/1	0.94	0.12	73,73,73,73	0
88	MG	5	3808	1/1	0.94	0.07	70,70,70,70	0
88	MG	1	3748	1/1	0.94	0.14	40,40,40,40	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
89	OHX	5	4177	7/7	0.94	0.15	194,194,194,194	0
88	MG	6	1955	1/1	0.94	0.20	8,8,8,8	0
89	OHX	3	220	7/7	0.94	0.12	196,196,196,196	0
88	MG	1	3866	1/1	0.94	0.26	34,34,34,34	0
88	MG	5	3494	1/1	0.94	0.15	29,29,29,29	0
88	MG	5	3815	1/1	0.94	0.12	51,51,51,51	0
88	MG	5	3496	1/1	0.94	0.09	32,32,32,32	0
89	OHX	5	4184	7/7	0.94	0.09	207,207,207,207	0
88	MG	5	3817	1/1	0.94	0.06	42,42,42,42	0
88	MG	6	1960	1/1	0.94	0.21	11,11,11,11	0
88	MG	1	3751	1/1	0.94	0.07	33,33,33,33	0
88	MG	5	3831	1/1	0.94	0.12	35,35,35,35	0
88	MG	5	3834	1/1	0.94	0.06	60,60,60,60	0
88	MG	5	3502	1/1	0.94	0.18	15,15,15,15	0
88	MG	5	3844	1/1	0.94	0.23	53,53,53,53	0
88	MG	5	3504	1/1	0.94	0.20	45,45,45,45	0
88	MG	1	3585	1/1	0.94	0.15	7,7,7,7	0
89	OHX	1	4012	7/7	0.94	0.12	172,172,172,172	0
89	OHX	1	4014	7/7	0.94	0.13	166,166,166,166	0
88	MG	6	1965	1/1	0.94	0.10	26,26,26,26	0
89	OHX	M8	201	7/7	0.94	0.14	164,164,164,164	0
89	OHX	1	4016	7/7	0.94	0.13	175,175,175,175	0
88	MG	1	3508	1/1	0.94	0.25	24,24,24,24	0
89	OHX	1	4027	7/7	0.94	0.13	159,159,159,159	0
88	MG	5	3512	1/1	0.94	0.21	10,10,10,10	0
89	OHX	6	2095	7/7	0.94	0.14	146,146,146,146	0
89	OHX	6	2096	7/7	0.94	0.12	164,164,164,164	0
89	OHX	6	2097	7/7	0.94	0.14	153,153,153,153	0
88	MG	1	3754	1/1	0.94	0.21	46,46,46,46	0
88	MG	5	3856	1/1	0.94	0.11	80,80,80,80	0
89	OHX	6	2105	7/7	0.94	0.14	196,196,196,196	0
88	MG	5	3520	1/1	0.94	0.24	7,7,7,7	0
89	OHX	6	2117	7/7	0.94	0.14	186,186,186,186	0
89	OHX	6	2118	7/7	0.94	0.11	181,181,181,181	0
89	OHX	6	2119	7/7	0.94	0.13	187,187,187,187	0
89	OHX	1	4034	7/7	0.94	0.10	184,184,184,184	0
89	OHX	1	4038	7/7	0.94	0.12	165,165,165,165	0
88	MG	5	3861	1/1	0.94	0.15	33,33,33,33	0
89	OHX	6	2126	7/7	0.94	0.15	177,177,177,177	0
89	OHX	1	4041	7/7	0.94	0.12	169,169,169,169	0
88	MG	5	3526	1/1	0.94	0.13	5,5,5,5	0
88	MG	1	3755	1/1	0.94	0.15	40,40,40,40	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
89	OHX	6	2130	7/7	0.94	0.11	179,179,179,179	0
89	OHX	1	4054	7/7	0.94	0.12	168,168,168,168	0
88	MG	3	201	1/1	0.94	0.14	30,30,30,30	0
88	MG	5	3876	1/1	0.94	0.24	35,35,35,35	0
88	MG	3	202	1/1	0.94	0.29	58,58,58,58	0
88	MG	3	207	1/1	0.94	0.15	33,33,33,33	0
89	OHX	1	4069	7/7	0.94	0.14	169,169,169,169	0
89	OHX	1	4070	7/7	0.94	0.10	216,216,216,216	0
89	OHX	6	2141	7/7	0.94	0.14	181,181,181,181	0
89	OHX	1	4072	7/7	0.94	0.12	169,169,169,169	0
89	OHX	1	4073	7/7	0.94	0.11	181,181,181,181	0
88	MG	5	3882	1/1	0.94	0.10	21,21,21,21	0
88	MG	6	1976	1/1	0.94	0.13	28,28,28,28	0
89	OHX	6	2147	7/7	0.94	0.14	184,184,184,184	0
88	MG	1	3662	1/1	0.94	0.13	24,24,24,24	0
88	MG	5	3555	1/1	0.94	0.24	27,27,27,27	0
88	MG	1	3663	1/1	0.94	0.11	39,39,39,39	0
89	OHX	6	2151	7/7	0.94	0.14	181,181,181,181	0
88	MG	1	3762	1/1	0.94	0.13	28,28,28,28	0
88	MG	5	3558	1/1	0.94	0.26	39,39,39,39	0
88	MG	1	3588	1/1	0.94	0.22	26,26,26,26	0
88	MG	1	3764	1/1	0.94	0.29	56,56,56,56	0
88	MG	5	3572	1/1	0.94	0.19	6,6,6,6	0
88	MG	1	3509	1/1	0.94	0.20	6,6,6,6	0
88	MG	4	201	1/1	0.94	0.33	48,48,48,48	0
89	OHX	5	4246	7/7	0.94	0.14	172,172,172,172	0
88	MG	5	3579	1/1	0.94	0.17	20,20,20,20	0
88	MG	6	1990	1/1	0.94	0.12	35,35,35,35	0
88	MG	4	203	1/1	0.94	0.17	33,33,33,33	0
88	MG	5	3584	1/1	0.94	0.18	17,17,17,17	0
88	MG	1	3413	1/1	0.94	0.16	24,24,24,24	0
89	OHX	6	2164	7/7	0.94	0.11	211,211,211,211	0
89	OHX	6	2165	7/7	0.94	0.14	226,226,226,226	0
88	MG	1	3770	1/1	0.94	0.09	41,41,41,41	0
88	MG	5	3592	1/1	0.94	0.16	11,11,11,11	0
89	OHX	1	4098	7/7	0.94	0.09	210,210,210,210	0
88	MG	2	1970	1/1	0.94	0.10	65,65,65,65	0
89	OHX	1	4100	7/7	0.94	0.13	204,204,204,204	0
88	MG	5	3601	1/1	0.94	0.06	24,24,24,24	0
89	OHX	1	4103	7/7	0.94	0.09	204,204,204,204	0
88	MG	2	2009	1/1	0.94	0.24	35,35,35,35	0
88	MG	1	3525	1/1	0.94	0.09	42,42,42,42	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
89	OHX	8	222	7/7	0.94	0.12	157,157,157,157	0
88	MG	5	3616	1/1	0.94	0.07	25,25,25,25	0
88	MG	4	214	1/1	0.94	0.08	46,46,46,46	0
88	MG	8	203	1/1	0.94	0.26	40,40,40,40	0
88	MG	5	3622	1/1	0.94	0.04	20,20,20,20	0
88	MG	1	3775	1/1	0.94	0.10	34,34,34,34	0
88	MG	6	2009	1/1	0.94	0.17	33,33,33,33	0
89	OHX	13	407	7/7	0.94	0.10	200,200,200,200	0
88	MG	5	3629	1/1	0.94	0.09	37,37,37,37	0
88	MG	4	218	1/1	0.94	0.18	36,36,36,36	0
88	MG	1	3675	1/1	0.94	0.19	48,48,48,48	0
88	MG	1	3605	1/1	0.94	0.18	21,21,21,21	0
88	MG	1	3779	1/1	0.94	0.10	40,40,40,40	0
88	MG	2	1937	1/1	0.94	0.23	23,23,23,23	0
88	MG	1	3784	1/1	0.94	0.18	42,42,42,42	0
88	MG	1	3678	1/1	0.94	0.10	5,5,5,5	0
88	MG	1	3609	1/1	0.94	0.16	30,30,30,30	0
88	MG	1	3683	1/1	0.94	0.06	21,21,21,21	0
88	MG	1	3792	1/1	0.94	0.27	53,53,53,53	0
88	MG	2	1917	1/1	0.94	0.21	25,25,25,25	0
88	MG	m7	201	1/1	0.94	0.19	9,9,9,9	0
90	ZN	q2	501	1/1	0.94	0.11	200,200,200,200	0
89	OHX	2	2098	7/7	0.95	0.11	186,186,186,186	0
89	OHX	2	2099	7/7	0.95	0.11	208,208,208,208	0
88	MG	5	3546	1/1	0.95	0.22	36,36,36,36	0
88	MG	5	3757	1/1	0.95	0.07	55,55,55,55	0
88	MG	5	3549	1/1	0.95	0.27	39,39,39,39	0
88	MG	5	3552	1/1	0.95	0.21	25,25,25,25	0
89	OHX	5	3997	7/7	0.95	0.16	130,130,130,130	0
89	OHX	5	4001	7/7	0.95	0.14	123,123,123,123	0
89	OHX	5	4005	7/7	0.95	0.14	145,145,145,145	0
88	MG	3	204	1/1	0.95	0.18	18,18,18,18	0
89	OHX	5	4015	7/7	0.95	0.11	153,153,153,153	0
88	MG	3	205	1/1	0.95	0.18	23,23,23,23	0
88	MG	5	3766	1/1	0.95	0.05	15,15,15,15	0
89	OHX	5	4025	7/7	0.95	0.10	157,157,157,157	0
89	OHX	2	2107	7/7	0.95	0.14	174,174,174,174	0
88	MG	3	206	1/1	0.95	0.19	11,11,11,11	0
89	OHX	5	4031	7/7	0.95	0.14	140,140,140,140	0
89	OHX	5	4032	7/7	0.95	0.17	162,162,162,162	0
89	OHX	5	4034	7/7	0.95	0.14	139,139,139,139	0
88	MG	5	3770	1/1	0.95	0.07	24,24,24,24	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
88	MG	5	3771	1/1	0.95	0.06	18,18,18,18	0
89	OHX	5	4042	7/7	0.95	0.13	163,163,163,163	0
89	OHX	2	2111	7/7	0.95	0.11	197,197,197,197	0
89	OHX	5	4045	7/7	0.95	0.17	160,160,160,160	0
89	OHX	5	4051	7/7	0.95	0.12	155,155,155,155	0
89	OHX	5	4053	7/7	0.95	0.12	156,156,156,156	0
88	MG	1	3498	1/1	0.95	0.13	20,20,20,20	0
89	OHX	5	4058	7/7	0.95	0.14	158,158,158,158	0
89	OHX	5	4059	7/7	0.95	0.11	181,181,181,181	0
88	MG	1	3636	1/1	0.95	0.19	49,49,49,49	0
89	OHX	5	4063	7/7	0.95	0.15	157,157,157,157	0
88	MG	2	2021	1/1	0.95	0.15	127,127,127,127	0
88	MG	5	3775	1/1	0.95	0.08	50,50,50,50	0
89	OHX	2	2117	7/7	0.95	0.12	205,205,205,205	0
88	MG	s4	301	1/1	0.95	0.20	46,46,46,46	0
88	MG	1	3638	1/1	0.95	0.09	40,40,40,40	0
88	MG	5	3781	1/1	0.95	0.10	45,45,45,45	0
88	MG	5	3571	1/1	0.95	0.22	19,19,19,19	0
88	MG	1	3793	1/1	0.95	0.06	44,44,44,44	0
89	OHX	2	2123	7/7	0.95	0.10	212,212,212,212	0
88	MG	5	3573	1/1	0.95	0.24	8,8,8,8	0
88	MG	2	1912	1/1	0.95	0.10	24,24,24,24	0
88	MG	5	3789	1/1	0.95	0.05	26,26,26,26	0
88	MG	5	3575	1/1	0.95	0.19	12,12,12,12	0
88	MG	6	1936	1/1	0.95	0.16	35,35,35,35	0
88	MG	c7	202	1/1	0.95	0.12	35,35,35,35	0
88	MG	1	3640	1/1	0.95	0.23	49,49,49,49	0
88	MG	1	3501	1/1	0.95	0.21	54,54,54,54	0
89	OHX	5	4091	7/7	0.95	0.15	211,211,211,211	0
88	MG	1	3569	1/1	0.95	0.20	8,8,8,8	0
88	MG	d6	102	1/1	0.95	0.17	33,33,33,33	0
88	MG	5	3589	1/1	0.95	0.20	16,16,16,16	0
88	MG	5	3801	1/1	0.95	0.13	56,56,56,56	0
89	OHX	5	4097	7/7	0.95	0.11	178,178,178,178	0
88	MG	6	1946	1/1	0.95	0.32	44,44,44,44	0
88	MG	1	3453	1/1	0.95	0.13	22,22,22,22	0
88	MG	1	3719	1/1	0.95	0.23	66,66,66,66	0
88	MG	5	3409	1/1	0.95	0.22	28,28,28,28	0
88	MG	2	1909	1/1	0.95	0.20	43,43,43,43	0
88	MG	1	3579	1/1	0.95	0.20	16,16,16,16	0
88	MG	5	3613	1/1	0.95	0.14	21,21,21,21	0
88	MG	S4	301	1/1	0.95	0.10	41,41,41,41	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
88	MG	5	3618	1/1	0.95	0.17	39,39,39,39	0
88	MG	1	3507	1/1	0.95	0.15	26,26,26,26	0
88	MG	5	3621	1/1	0.95	0.22	45,45,45,45	0
88	MG	1	3415	1/1	0.95	0.14	11,11,11,11	0
89	OHX	1	4186	7/7	0.95	0.11	171,171,171,171	0
88	MG	5	3624	1/1	0.95	0.18	24,24,24,24	0
88	MG	5	3421	1/1	0.95	0.18	10,10,10,10	0
88	MG	5	3824	1/1	0.95	0.08	32,32,32,32	0
88	MG	2	1925	1/1	0.95	0.23	41,41,41,41	0
89	OHX	5	4116	7/7	0.95	0.14	172,172,172,172	0
88	MG	5	3830	1/1	0.95	0.16	10,10,10,10	0
88	MG	1	3813	1/1	0.95	0.09	23,23,23,23	0
88	MG	5	3426	1/1	0.95	0.14	16,16,16,16	0
88	MG	5	3632	1/1	0.95	0.14	20,20,20,20	0
89	OHX	5	4121	7/7	0.95	0.14	150,150,150,150	0
88	MG	5	3837	1/1	0.95	0.14	33,33,33,33	0
88	MG	2	1983	1/1	0.95	0.22	58,58,58,58	0
88	MG	1	3461	1/1	0.95	0.17	6,6,6,6	0
88	MG	2	1946	1/1	0.95	0.13	31,31,31,31	0
88	MG	2	1998	1/1	0.95	0.07	40,40,40,40	0
88	MG	5	3432	1/1	0.95	0.14	27,27,27,27	0
88	MG	2	1908	1/1	0.95	0.12	40,40,40,40	0
88	MG	1	3429	1/1	0.95	0.10	41,41,41,41	0
88	MG	5	3643	1/1	0.95	0.20	51,51,51,51	0
88	MG	6	1974	1/1	0.95	0.20	54,54,54,54	0
88	MG	1	3597	1/1	0.95	0.15	1,1,1,1	0
88	MG	5	3863	1/1	0.95	0.06	37,37,37,37	0
88	MG	5	3867	1/1	0.95	0.17	42,42,42,42	0
88	MG	5	3646	1/1	0.95	0.15	43,43,43,43	0
89	OHX	5	4136	7/7	0.95	0.12	171,171,171,171	0
89	OHX	5	4137	7/7	0.95	0.12	180,180,180,180	0
88	MG	1	3829	1/1	0.95	0.06	37,37,37,37	0
89	OHX	5	4139	7/7	0.95	0.11	179,179,179,179	0
88	MG	5	3649	1/1	0.95	0.20	32,32,32,32	0
88	MG	5	3653	1/1	0.95	0.21	47,47,47,47	0
88	MG	M3	201	1/1	0.95	0.05	36,36,36,36	0
88	MG	5	3880	1/1	0.95	0.14	7,7,7,7	0
88	MG	1	3470	1/1	0.95	0.13	36,36,36,36	0
88	MG	6	1983	1/1	0.95	0.09	42,42,42,42	0
88	MG	1	3533	1/1	0.95	0.15	28,28,28,28	0
88	MG	1	3669	1/1	0.95	0.21	37,37,37,37	0
88	MG	1	3471	1/1	0.95	0.19	33,33,33,33	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
88	MG	1	3836	1/1	0.95	0.26	46,46,46,46	0
88	MG	1	3840	1/1	0.95	0.16	1,1,1,1	0
88	MG	5	3460	1/1	0.95	0.14	15,15,15,15	0
88	MG	5	3461	1/1	0.95	0.11	18,18,18,18	0
88	MG	M9	202	1/1	0.95	0.05	58,58,58,58	0
89	OHX	SR	401	7/7	0.95	0.09	200,200,200,200	0
89	OHX	1	3937	7/7	0.95	0.14	107,107,107,107	0
89	OHX	1	3962	7/7	0.95	0.17	130,130,130,130	0
88	MG	2	2000	1/1	0.95	0.13	31,31,31,31	0
89	OHX	1	3973	7/7	0.95	0.14	129,129,129,129	0
88	MG	5	3675	1/1	0.95	0.05	38,38,38,38	0
89	OHX	1	3978	7/7	0.95	0.11	139,139,139,139	0
89	OHX	1	3991	7/7	0.95	0.15	162,162,162,162	0
89	OHX	1	3996	7/7	0.95	0.14	143,143,143,143	0
89	OHX	1	3997	7/7	0.95	0.14	146,146,146,146	0
89	OHX	1	4000	7/7	0.95	0.12	143,143,143,143	0
89	OHX	1	4004	7/7	0.95	0.13	160,160,160,160	0
88	MG	1	3842	1/1	0.95	0.20	20,20,20,20	0
89	OHX	1	4009	7/7	0.95	0.10	178,178,178,178	0
88	MG	5	3470	1/1	0.95	0.09	57,57,57,57	0
89	OHX	L3	405	7/7	0.95	0.11	157,157,157,157	0
88	MG	1	3476	1/1	0.95	0.18	43,43,43,43	0
88	MG	6	1995	1/1	0.95	0.14	47,47,47,47	0
88	MG	1	3612	1/1	0.95	0.17	46,46,46,46	0
89	OHX	M5	305	7/7	0.95	0.13	146,146,146,146	0
89	OHX	1	4017	7/7	0.95	0.12	152,152,152,152	0
89	OHX	1	4018	7/7	0.95	0.15	162,162,162,162	0
89	OHX	1	4020	7/7	0.95	0.15	173,173,173,173	0
89	OHX	1	4021	7/7	0.95	0.12	178,178,178,178	0
89	OHX	1	4022	7/7	0.95	0.13	180,180,180,180	0
89	OHX	O7	103	7/7	0.95	0.13	125,125,125,125	0
89	OHX	6	2074	7/7	0.95	0.18	123,123,123,123	0
88	MG	5	4260	1/1	0.95	0.12	24,24,24,24	0
89	OHX	6	2083	7/7	0.95	0.14	118,118,118,118	0
89	OHX	6	2088	7/7	0.95	0.13	176,176,176,176	0
89	OHX	1	4024	7/7	0.95	0.11	166,166,166,166	0
88	MG	1	3433	1/1	0.95	0.12	17,17,17,17	0
88	MG	7	202	1/1	0.95	0.15	9,9,9,9	0
88	MG	5	3478	1/1	0.95	0.16	9,9,9,9	0
88	MG	7	204	1/1	0.95	0.05	46,46,46,46	0
88	MG	5	3479	1/1	0.95	0.16	19,19,19,19	0
88	MG	1	3758	1/1	0.95	0.07	36,36,36,36	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
89	OHX	6	2108	7/7	0.95	0.15	158,158,158,158	0
89	OHX	6	2109	7/7	0.95	0.11	166,166,166,166	0
89	OHX	1	4035	7/7	0.95	0.10	189,189,189,189	0
89	OHX	1	4037	7/7	0.95	0.11	161,161,161,161	0
88	MG	5	3481	1/1	0.95	0.18	23,23,23,23	0
88	MG	5	3692	1/1	0.95	0.30	35,35,35,35	0
89	OHX	6	2120	7/7	0.95	0.14	148,148,148,148	0
89	OHX	1	4040	7/7	0.95	0.11	186,186,186,186	0
89	OHX	6	2122	7/7	0.95	0.15	209,209,209,209	0
88	MG	5	3693	1/1	0.95	0.13	34,34,34,34	0
89	OHX	1	4046	7/7	0.95	0.10	172,172,172,172	0
89	OHX	6	2125	7/7	0.95	0.14	177,177,177,177	0
88	MG	5	3482	1/1	0.95	0.19	37,37,37,37	0
88	MG	8	201	1/1	0.95	0.03	20,20,20,20	0
89	OHX	1	4051	7/7	0.95	0.11	184,184,184,184	0
88	MG	1	3760	1/1	0.95	0.11	54,54,54,54	0
89	OHX	1	4055	7/7	0.95	0.11	157,157,157,157	0
88	MG	6	2007	1/1	0.95	0.07	32,32,32,32	0
88	MG	5	3486	1/1	0.95	0.10	28,28,28,28	0
89	OHX	6	2133	7/7	0.95	0.13	194,194,194,194	0
88	MG	2	1921	1/1	0.95	0.17	26,26,26,26	0
89	OHX	6	2135	7/7	0.95	0.12	183,183,183,183	0
89	OHX	1	4065	7/7	0.95	0.11	180,180,180,180	0
88	MG	8	210	1/1	0.95	0.18	63,63,63,63	0
89	OHX	6	2138	7/7	0.95	0.11	187,187,187,187	0
89	OHX	1	4067	7/7	0.95	0.14	172,172,172,172	0
88	MG	5	3700	1/1	0.95	0.24	59,59,59,59	0
88	MG	5	3488	1/1	0.95	0.29	49,49,49,49	0
89	OHX	5	4221	7/7	0.95	0.10	181,181,181,181	0
89	OHX	1	4071	7/7	0.95	0.09	203,203,203,203	0
88	MG	8	217	1/1	0.95	0.15	14,14,14,14	0
88	MG	5	3702	1/1	0.95	0.07	46,46,46,46	0
88	MG	13	402	1/1	0.95	0.22	4,4,4,4	0
88	MG	13	403	1/1	0.95	0.27	69,69,69,69	0
88	MG	1	3436	1/1	0.95	0.10	33,33,33,33	0
89	OHX	1	4078	7/7	0.95	0.10	176,176,176,176	0
88	MG	2	1989	1/1	0.95	0.06	30,30,30,30	0
88	MG	5	3492	1/1	0.95	0.15	34,34,34,34	0
89	OHX	1	4081	7/7	0.95	0.16	187,187,187,187	0
88	MG	5	3707	1/1	0.95	0.07	44,44,44,44	0
88	MG	1	3486	1/1	0.95	0.09	37,37,37,37	0
88	MG	5	3709	1/1	0.95	0.13	27,27,27,27	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
88	MG	5	3710	1/1	0.95	0.17	29,29,29,29	0
89	OHX	1	4086	7/7	0.95	0.09	168,168,168,168	0
88	MG	5	3711	1/1	0.95	0.11	43,43,43,43	0
88	MG	2	1990	1/1	0.95	0.15	49,49,49,49	0
88	MG	5	3495	1/1	0.95	0.10	26,26,26,26	0
88	MG	m6	201	1/1	0.95	0.15	36,36,36,36	0
89	OHX	1	4091	7/7	0.95	0.12	167,167,167,167	0
88	MG	5	3715	1/1	0.95	0.05	67,67,67,67	0
88	MG	1	3488	1/1	0.95	0.26	32,32,32,32	0
88	MG	1	3554	1/1	0.95	0.19	13,13,13,13	0
88	MG	1	3862	1/1	0.95	0.07	20,20,20,20	0
88	MG	1	3444	1/1	0.95	0.06	42,42,42,42	0
88	MG	5	3720	1/1	0.95	0.07	37,37,37,37	0
88	MG	5	3503	1/1	0.95	0.14	10,10,10,10	0
88	MG	1	3494	1/1	0.95	0.08	44,44,44,44	0
88	MG	1	3865	1/1	0.95	0.25	101,101,101,101	0
88	MG	2	1978	1/1	0.95	0.16	44,44,44,44	0
88	MG	5	3726	1/1	0.95	0.06	18,18,18,18	0
88	MG	1	3696	1/1	0.95	0.23	26,26,26,26	0
89	OHX	2	2040	7/7	0.95	0.15	108,108,108,108	0
89	OHX	1	4106	7/7	0.95	0.09	179,179,179,179	0
89	OHX	2	2053	7/7	0.95	0.12	147,147,147,147	0
89	OHX	2	2056	7/7	0.95	0.12	149,149,149,149	0
88	MG	1	3558	1/1	0.95	0.24	14,14,14,14	0
89	OHX	2	2062	7/7	0.95	0.13	169,169,169,169	0
89	OHX	1	4111	7/7	0.95	0.13	189,189,189,189	0
89	OHX	2	2063	7/7	0.95	0.10	165,165,165,165	0
89	OHX	2	2066	7/7	0.95	0.14	157,157,157,157	0
88	MG	1	3698	1/1	0.95	0.12	29,29,29,29	0
89	OHX	8	225	7/7	0.95	0.09	178,178,178,178	0
88	MG	2	2020	1/1	0.95	0.28	53,53,53,53	0
89	OHX	2	2073	7/7	0.95	0.10	169,169,169,169	0
88	MG	5	3523	1/1	0.95	0.23	30,30,30,30	0
89	OHX	2	2077	7/7	0.95	0.13	148,148,148,148	0
89	OHX	1	4119	7/7	0.95	0.10	190,190,190,190	0
88	MG	6	2034	1/1	0.95	0.20	47,47,47,47	0
89	OHX	1	4121	7/7	0.95	0.08	190,190,190,190	0
89	OHX	2	2079	7/7	0.95	0.14	194,194,194,194	0
88	MG	5	3527	1/1	0.95	0.20	8,8,8,8	0
88	MG	1	3780	1/1	0.95	0.23	74,74,74,74	0
88	MG	1	3872	1/1	0.95	0.10	28,28,28,28	0
89	OHX	2	2083	7/7	0.95	0.11	188,188,188,188	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
88	MG	5	3536	1/1	0.95	0.13	40,40,40,40	0
88	MG	5	3748	1/1	0.95	0.21	47,47,47,47	0
89	OHX	m0	301	7/7	0.95	0.12	148,148,148,148	0
88	MG	5	3750	1/1	0.95	0.05	25,25,25,25	0
88	MG	1	3408	1/1	0.95	0.09	17,17,17,17	0
88	MG	5	3541	1/1	0.95	0.29	27,27,27,27	0
89	OHX	n3	204	7/7	0.95	0.11	168,168,168,168	0
89	OHX	2	2092	7/7	0.95	0.13	206,206,206,206	0
88	MG	1	3702	1/1	0.95	0.14	32,32,32,32	0
89	OHX	2	2095	7/7	0.95	0.10	183,183,183,183	0
90	ZN	e1	501	1/1	0.95	0.06	160,160,160,160	0
89	OHX	2	2097	7/7	0.95	0.11	193,193,193,193	0
88	MG	5	3648	1/1	0.96	0.14	10,10,10,10	0
89	OHX	5	4021	7/7	0.96	0.12	152,152,152,152	0
88	MG	6	1985	1/1	0.96	0.13	47,47,47,47	0
89	OHX	5	4023	7/7	0.96	0.11	134,134,134,134	0
89	OHX	5	4024	7/7	0.96	0.11	139,139,139,139	0
88	MG	5	3652	1/1	0.96	0.05	52,52,52,52	0
89	OHX	5	4027	7/7	0.96	0.12	143,143,143,143	0
88	MG	5	3850	1/1	0.96	0.19	36,36,36,36	0
88	MG	1	3543	1/1	0.96	0.28	45,45,45,45	0
88	MG	M0	302	1/1	0.96	0.04	24,24,24,24	0
88	MG	5	3855	1/1	0.96	0.15	30,30,30,30	0
89	OHX	5	4033	7/7	0.96	0.12	140,140,140,140	0
88	MG	5	3468	1/1	0.96	0.06	12,12,12,12	0
89	OHX	5	4037	7/7	0.96	0.12	153,153,153,153	0
88	MG	5	3469	1/1	0.96	0.12	28,28,28,28	0
88	MG	1	3467	1/1	0.96	0.13	34,34,34,34	0
89	OHX	5	4040	7/7	0.96	0.09	154,154,154,154	0
88	MG	1	3604	1/1	0.96	0.12	14,14,14,14	0
89	OHX	5	4043	7/7	0.96	0.10	143,143,143,143	0
88	MG	5	3866	1/1	0.96	0.19	29,29,29,29	0
88	MG	5	3661	1/1	0.96	0.11	10,10,10,10	0
89	OHX	5	4046	7/7	0.96	0.13	163,163,163,163	0
89	OHX	5	4048	7/7	0.96	0.14	156,156,156,156	0
89	OHX	5	4049	7/7	0.96	0.12	151,151,151,151	0
89	OHX	5	4050	7/7	0.96	0.12	150,150,150,150	0
88	MG	1	3442	1/1	0.96	0.19	33,33,33,33	0
89	OHX	5	4052	7/7	0.96	0.11	159,159,159,159	0
88	MG	1	3740	1/1	0.96	0.04	15,15,15,15	0
89	OHX	5	4054	7/7	0.96	0.12	151,151,151,151	0
88	MG	5	3872	1/1	0.96	0.23	15,15,15,15	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
88	MG	1	3606	1/1	0.96	0.17	16,16,16,16	0
88	MG	1	3547	1/1	0.96	0.04	8,8,8,8	0
89	OHX	5	4060	7/7	0.96	0.13	169,169,169,169	0
89	OHX	5	4061	7/7	0.96	0.10	151,151,151,151	0
88	MG	6	1994	1/1	0.96	0.07	50,50,50,50	0
88	MG	5	3669	1/1	0.96	0.06	12,12,12,12	0
88	MG	2	1918	1/1	0.96	0.23	26,26,26,26	0
88	MG	6	1998	1/1	0.96	0.07	57,57,57,57	0
88	MG	5	3673	1/1	0.96	0.16	29,29,29,29	0
89	OHX	5	4067	7/7	0.96	0.10	160,160,160,160	0
89	OHX	5	4068	7/7	0.96	0.10	163,163,163,163	0
89	OHX	5	4069	7/7	0.96	0.11	166,166,166,166	0
89	OHX	5	4070	7/7	0.96	0.14	151,151,151,151	0
89	OHX	5	4071	7/7	0.96	0.09	182,182,182,182	0
88	MG	5	3674	1/1	0.96	0.09	15,15,15,15	0
88	MG	2	1936	1/1	0.96	0.20	21,21,21,21	0
88	MG	5	3888	1/1	0.96	0.14	37,37,37,37	0
89	OHX	5	4075	7/7	0.96	0.09	167,167,167,167	0
88	MG	1	3837	1/1	0.96	0.05	21,21,21,21	0
89	OHX	5	4077	7/7	0.96	0.15	167,167,167,167	0
88	MG	1	3838	1/1	0.96	0.18	28,28,28,28	0
88	MG	5	3485	1/1	0.96	0.19	12,12,12,12	0
88	MG	2	2007	1/1	0.96	0.23	30,30,30,30	0
88	MG	6	2006	1/1	0.96	0.22	41,41,41,41	0
89	OHX	5	4083	7/7	0.96	0.14	150,150,150,150	0
88	MG	2	1961	1/1	0.96	0.15	38,38,38,38	0
88	MG	1	3614	1/1	0.96	0.05	30,30,30,30	0
88	MG	5	3490	1/1	0.96	0.16	1,1,1,1	0
88	MG	1	3672	1/1	0.96	0.10	28,28,28,28	0
89	OHX	5	4088	7/7	0.96	0.10	177,177,177,177	0
88	MG	1	3553	1/1	0.96	0.13	17,17,17,17	0
88	MG	1	3473	1/1	0.96	0.24	32,32,32,32	0
88	MG	1	3848	1/1	0.96	0.16	10,10,10,10	0
88	MG	O2	201	1/1	0.96	0.09	33,33,33,33	0
88	MG	1	3850	1/1	0.96	0.14	26,26,26,26	0
88	MG	5	3497	1/1	0.96	0.15	8,8,8,8	0
88	MG	1	3505	1/1	0.96	0.14	0,0,0,0	0
88	MG	1	3757	1/1	0.96	0.10	41,41,41,41	0
88	MG	1	3506	1/1	0.96	0.18	23,23,23,23	0
88	MG	1	3423	1/1	0.96	0.14	35,35,35,35	0
88	MG	7	209	1/1	0.96	0.13	10,10,10,10	0
88	MG	7	210	1/1	0.96	0.14	66,66,66,66	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
89	OHX	1	3919	7/7	0.96	0.18	100,100,100,100	0
89	OHX	1	3929	7/7	0.96	0.13	117,117,117,117	0
88	MG	6	2027	1/1	0.96	0.05	45,45,45,45	0
89	OHX	1	3944	7/7	0.96	0.14	125,125,125,125	0
89	OHX	1	3946	7/7	0.96	0.14	112,112,112,112	0
89	OHX	1	3948	7/7	0.96	0.12	122,122,122,122	0
89	OHX	1	3956	7/7	0.96	0.16	121,121,121,121	0
89	OHX	1	3960	7/7	0.96	0.13	118,118,118,118	0
88	MG	1	3424	1/1	0.96	0.27	34,34,34,34	0
88	MG	1	3425	1/1	0.96	0.11	30,30,30,30	0
89	OHX	1	3972	7/7	0.96	0.11	137,137,137,137	0
88	MG	6	2030	1/1	0.96	0.06	24,24,24,24	0
88	MG	5	3508	1/1	0.96	0.19	15,15,15,15	0
88	MG	5	3511	1/1	0.96	0.19	24,24,24,24	0
89	OHX	1	3979	7/7	0.96	0.11	129,129,129,129	0
89	OHX	1	3982	7/7	0.96	0.12	155,155,155,155	0
89	OHX	1	3983	7/7	0.96	0.10	140,140,140,140	0
89	OHX	1	3984	7/7	0.96	0.11	136,136,136,136	0
89	OHX	1	3988	7/7	0.96	0.14	130,130,130,130	0
89	OHX	1	3990	7/7	0.96	0.12	132,132,132,132	0
88	MG	1	3857	1/1	0.96	0.20	37,37,37,37	0
88	MG	1	3511	1/1	0.96	0.18	24,24,24,24	0
88	MG	8	205	1/1	0.96	0.20	29,29,29,29	0
89	OHX	1	3999	7/7	0.96	0.12	166,166,166,166	0
88	MG	8	207	1/1	0.96	0.05	39,39,39,39	0
89	OHX	1	4003	7/7	0.96	0.12	144,144,144,144	0
88	MG	5	3518	1/1	0.96	0.13	6,6,6,6	0
89	OHX	3	216	7/7	0.96	0.13	148,148,148,148	0
89	OHX	3	218	7/7	0.96	0.10	147,147,147,147	0
89	OHX	3	219	7/7	0.96	0.10	158,158,158,158	0
89	OHX	1	4006	7/7	0.96	0.10	160,160,160,160	0
89	OHX	1	4007	7/7	0.96	0.15	159,159,159,159	0
88	MG	8	209	1/1	0.96	0.06	42,42,42,42	0
88	MG	1	3515	1/1	0.96	0.16	3,3,3,3	0
89	OHX	1	4010	7/7	0.96	0.12	161,161,161,161	0
88	MG	8	211	1/1	0.96	0.05	12,12,12,12	0
89	OHX	4	226	7/7	0.96	0.11	150,150,150,150	0
89	OHX	1	4013	7/7	0.96	0.13	138,138,138,138	0
89	OHX	4	228	7/7	0.96	0.09	188,188,188,188	0
88	MG	1	3516	1/1	0.96	0.25	22,22,22,22	0
88	MG	8	213	1/1	0.96	0.18	65,65,65,65	0
88	MG	5	3524	1/1	0.96	0.18	8,8,8,8	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
88	MG	1	3628	1/1	0.96	0.25	44,44,44,44	0
88	MG	1	3768	1/1	0.96	0.13	46,46,46,46	0
88	MG	13	401	1/1	0.96	0.12	37,37,37,37	0
88	MG	5	3528	1/1	0.96	0.13	28,28,28,28	0
88	MG	1	3688	1/1	0.96	0.06	32,32,32,32	0
88	MG	5	3532	1/1	0.96	0.15	10,10,10,10	0
88	MG	2	1986	1/1	0.96	0.11	43,43,43,43	0
88	MG	1	3690	1/1	0.96	0.06	29,29,29,29	0
88	MG	1	3691	1/1	0.96	0.21	42,42,42,42	0
88	MG	5	3540	1/1	0.96	0.16	10,10,10,10	0
88	MG	5	3725	1/1	0.96	0.07	24,24,24,24	0
88	MG	6	1921	1/1	0.96	0.22	21,21,21,21	0
89	OHX	1	4033	7/7	0.96	0.10	147,147,147,147	0
89	OHX	5	4158	7/7	0.96	0.11	178,178,178,178	0
89	OHX	6	2061	7/7	0.96	0.14	110,110,110,110	0
88	MG	5	3727	1/1	0.96	0.13	9,9,9,9	0
88	MG	1	3692	1/1	0.96	0.11	23,23,23,23	0
89	OHX	1	4036	7/7	0.96	0.11	161,161,161,161	0
88	MG	5	3544	1/1	0.96	0.17	6,6,6,6	0
88	MG	5	3545	1/1	0.96	0.09	1,1,1,1	0
89	OHX	6	2094	7/7	0.96	0.10	153,153,153,153	0
88	MG	1	3630	1/1	0.96	0.10	9,9,9,9	0
88	MG	m7	203	1/1	0.96	0.18	50,50,50,50	0
88	MG	2	1987	1/1	0.96	0.10	40,40,40,40	0
89	OHX	6	2100	7/7	0.96	0.14	170,170,170,170	0
89	OHX	6	2101	7/7	0.96	0.11	151,151,151,151	0
89	OHX	1	4042	7/7	0.96	0.10	160,160,160,160	0
89	OHX	6	2103	7/7	0.96	0.17	146,146,146,146	0
89	OHX	1	4043	7/7	0.96	0.12	170,170,170,170	0
89	OHX	1	4045	7/7	0.96	0.11	157,157,157,157	0
89	OHX	6	2106	7/7	0.96	0.10	158,158,158,158	0
88	MG	m7	205	1/1	0.96	0.09	45,45,45,45	0
89	OHX	1	4047	7/7	0.96	0.14	143,143,143,143	0
89	OHX	6	2111	7/7	0.96	0.13	163,163,163,163	0
89	OHX	6	2113	7/7	0.96	0.12	147,147,147,147	0
88	MG	1	3519	1/1	0.96	0.18	11,11,11,11	0
89	OHX	6	2115	7/7	0.96	0.13	152,152,152,152	0
88	MG	1	3570	1/1	0.96	0.17	16,16,16,16	0
88	MG	6	1927	1/1	0.96	0.14	23,23,23,23	0
89	OHX	1	4053	7/7	0.96	0.10	173,173,173,173	0
88	MG	1	3699	1/1	0.96	0.15	40,40,40,40	0
88	MG	1	3783	1/1	0.96	0.06	15,15,15,15	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
89	OHX	1	4056	7/7	0.96	0.12	175,175,175,175	0
88	MG	5	3744	1/1	0.96	0.28	39,39,39,39	0
88	MG	5	3747	1/1	0.96	0.12	17,17,17,17	0
89	OHX	1	4059	7/7	0.96	0.12	164,164,164,164	0
89	OHX	1	4060	7/7	0.96	0.10	188,188,188,188	0
88	MG	3	203	1/1	0.96	0.06	55,55,55,55	0
89	OHX	1	4063	7/7	0.96	0.14	158,158,158,158	0
89	OHX	1	4064	7/7	0.96	0.09	167,167,167,167	0
88	MG	1	3571	1/1	0.96	0.14	14,14,14,14	0
88	MG	5	3561	1/1	0.96	0.18	5,5,5,5	0
88	MG	q3	503	1/1	0.96	0.10	66,66,66,66	0
89	OHX	1	4068	7/7	0.96	0.08	205,205,205,205	0
88	MG	1	3484	1/1	0.96	0.08	0,0,0,0	0
89	OHX	2	2043	7/7	0.96	0.15	132,132,132,132	0
89	OHX	2	2049	7/7	0.96	0.12	135,135,135,135	0
88	MG	5	3563	1/1	0.96	0.17	10,10,10,10	0
89	OHX	2	2054	7/7	0.96	0.10	156,156,156,156	0
89	OHX	2	2055	7/7	0.96	0.12	150,150,150,150	0
88	MG	5	3566	1/1	0.96	0.21	6,6,6,6	0
88	MG	5	3568	1/1	0.96	0.20	18,18,18,18	0
89	OHX	1	4077	7/7	0.96	0.13	172,172,172,172	0
88	MG	1	3786	1/1	0.96	0.06	39,39,39,39	0
88	MG	d4	201	1/1	0.96	0.08	43,43,43,43	0
89	OHX	6	2145	7/7	0.96	0.13	176,176,176,176	0
89	OHX	2	2065	7/7	0.96	0.12	165,165,165,165	0
88	MG	1	3521	1/1	0.96	0.20	30,30,30,30	0
88	MG	sM	401	1/1	0.96	0.08	28,28,28,28	0
88	MG	5	3765	1/1	0.96	0.09	21,21,21,21	0
89	OHX	2	2069	7/7	0.96	0.12	154,154,154,154	0
89	OHX	2	2071	7/7	0.96	0.10	168,168,168,168	0
89	OHX	2	2072	7/7	0.96	0.10	158,158,158,158	0
88	MG	6	1937	1/1	0.96	0.13	18,18,18,18	0
88	MG	2	1962	1/1	0.96	0.15	21,21,21,21	0
89	OHX	2	2076	7/7	0.96	0.13	193,193,193,193	0
88	MG	5	3769	1/1	0.96	0.05	62,62,62,62	0
88	MG	5	3405	1/1	0.96	0.20	26,26,26,26	0
88	MG	5	3406	1/1	0.96	0.10	12,12,12,12	0
88	MG	6	1939	1/1	0.96	0.14	20,20,20,20	0
88	MG	1	3791	1/1	0.96	0.07	31,31,31,31	0
88	MG	1	3704	1/1	0.96	0.15	40,40,40,40	0
88	MG	6	1945	1/1	0.96	0.20	16,16,16,16	0
88	MG	2	2012	1/1	0.96	0.15	40,40,40,40	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
88	MG	5	3779	1/1	0.96	0.13	21,21,21,21	0
88	MG	6	1948	1/1	0.96	0.21	30,30,30,30	0
89	OHX	2	2087	7/7	0.96	0.16	161,161,161,161	0
88	MG	5	3591	1/1	0.96	0.17	2,2,2,2	0
89	OHX	2	2089	7/7	0.96	0.10	168,168,168,168	0
88	MG	1	3527	1/1	0.96	0.10	22,22,22,22	0
88	MG	5	3593	1/1	0.96	0.15	19,19,19,19	0
88	MG	5	3420	1/1	0.96	0.07	34,34,34,34	0
89	OHX	2	2094	7/7	0.96	0.09	175,175,175,175	0
88	MG	5	3597	1/1	0.96	0.19	6,6,6,6	0
88	MG	5	3600	1/1	0.96	0.27	9,9,9,9	0
88	MG	2	1945	1/1	0.96	0.09	36,36,36,36	0
88	MG	5	3603	1/1	0.96	0.05	19,19,19,19	0
88	MG	5	3604	1/1	0.96	0.08	48,48,48,48	0
88	MG	1	3489	1/1	0.96	0.19	26,26,26,26	0
88	MG	1	3645	1/1	0.96	0.17	35,35,35,35	0
88	MG	6	1954	1/1	0.96	0.12	11,11,11,11	0
88	MG	1	3799	1/1	0.96	0.09	45,45,45,45	0
88	MG	5	3617	1/1	0.96	0.09	22,22,22,22	0
88	MG	2	1907	1/1	0.96	0.19	26,26,26,26	0
88	MG	1	3536	1/1	0.96	0.10	36,36,36,36	0
88	MG	1	3589	1/1	0.96	0.23	28,28,28,28	0
88	MG	1	3649	1/1	0.96	0.10	38,38,38,38	0
88	MG	5	3805	1/1	0.96	0.07	34,34,34,34	0
88	MG	5	3623	1/1	0.96	0.25	41,41,41,41	0
88	MG	4	213	1/1	0.96	0.10	38,38,38,38	0
88	MG	6	1966	1/1	0.96	0.19	39,39,39,39	0
88	MG	1	3721	1/1	0.96	0.12	51,51,51,51	0
89	OHX	7	217	7/7	0.96	0.12	128,128,128,128	0
89	OHX	7	221	7/7	0.96	0.13	135,135,135,135	0
89	OHX	2	2115	7/7	0.96	0.12	184,184,184,184	0
88	MG	5	3810	1/1	0.96	0.10	48,48,48,48	0
88	MG	1	3460	1/1	0.96	0.35	70,70,70,70	0
88	MG	4	217	1/1	0.96	0.21	35,35,35,35	0
88	MG	5	3445	1/1	0.96	0.17	31,31,31,31	0
89	OHX	8	221	7/7	0.96	0.12	152,152,152,152	0
88	MG	1	3652	1/1	0.96	0.07	44,44,44,44	0
89	OHX	8	223	7/7	0.96	0.11	166,166,166,166	0
89	OHX	8	224	7/7	0.96	0.11	162,162,162,162	0
88	MG	5	3447	1/1	0.96	0.05	29,29,29,29	0
88	MG	2	1913	1/1	0.96	0.14	29,29,29,29	0
88	MG	1	3726	1/1	0.96	0.09	60,60,60,60	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
88	MG	5	3819	1/1	0.96	0.25	39,39,39,39	0
88	MG	5	3820	1/1	0.96	0.05	40,40,40,40	0
88	MG	5	3637	1/1	0.96	0.06	29,29,29,29	0
88	MG	L4	401	1/1	0.96	0.08	35,35,35,35	0
88	MG	5	3829	1/1	0.96	0.06	32,32,32,32	0
88	MG	1	3438	1/1	0.96	0.16	20,20,20,20	0
89	OHX	2	2130	7/7	0.96	0.13	188,188,188,188	0
88	MG	1	3818	1/1	0.96	0.14	38,38,38,38	0
88	MG	5	3833	1/1	0.96	0.05	37,37,37,37	0
88	MG	2	1982	1/1	0.96	0.21	40,40,40,40	0
88	MG	6	1981	1/1	0.96	0.15	29,29,29,29	0
89	OHX	5	3976	7/7	0.96	0.12	114,114,114,114	0
89	OHX	5	3979	7/7	0.96	0.13	114,114,114,114	0
89	OHX	5	3996	7/7	0.96	0.11	146,146,146,146	0
88	MG	1	3729	1/1	0.96	0.11	52,52,52,52	0
88	MG	5	3841	1/1	0.96	0.05	37,37,37,37	0
89	OHX	m5	305	7/7	0.96	0.11	160,160,160,160	0
88	MG	5	3842	1/1	0.96	0.13	93,93,93,93	0
89	OHX	o3	202	7/7	0.96	0.13	135,135,135,135	0
88	MG	1	3657	1/1	0.96	0.12	44,44,44,44	0
90	ZN	E1	501	1/1	0.96	0.04	102,102,102,102	0
88	MG	5	3464	1/1	0.96	0.18	33,33,33,33	0
89	OHX	5	4016	7/7	0.96	0.13	136,136,136,136	0
89	OHX	5	4017	7/7	0.96	0.12	143,143,143,143	0
89	OHX	5	4018	7/7	0.96	0.12	138,138,138,138	0
88	MG	6	1942	1/1	0.97	0.06	10,10,10,10	0
89	OHX	5	4020	7/7	0.97	0.10	126,126,126,126	0
88	MG	6	1943	1/1	0.97	0.21	17,17,17,17	0
88	MG	7	205	1/1	0.97	0.20	11,11,11,11	0
88	MG	1	3535	1/1	0.97	0.17	23,23,23,23	0
88	MG	1	3463	1/1	0.97	0.12	12,12,12,12	0
88	MG	1	3485	1/1	0.97	0.14	24,24,24,24	0
89	OHX	5	4026	7/7	0.97	0.12	132,132,132,132	0
88	MG	6	1947	1/1	0.97	0.16	28,28,28,28	0
88	MG	5	3548	1/1	0.97	0.32	27,27,27,27	0
88	MG	1	3431	1/1	0.97	0.21	23,23,23,23	0
89	OHX	5	4030	7/7	0.97	0.13	125,125,125,125	0
88	MG	5	3550	1/1	0.97	0.17	23,23,23,23	0
88	MG	5	3551	1/1	0.97	0.20	11,11,11,11	0
88	MG	5	3404	1/1	0.97	0.03	17,17,17,17	0
88	MG	1	3432	1/1	0.97	0.20	35,35,35,35	0
89	OHX	5	4035	7/7	0.97	0.10	162,162,162,162	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
88	MG	4	219	1/1	0.97	0.15	201,201,201,201	0
89	OHX	1	3905	7/7	0.97	0.14	84,84,84,84	0
88	MG	L2	301	1/1	0.97	0.06	5,5,5,5	0
89	OHX	1	3920	7/7	0.97	0.12	98,98,98,98	0
88	MG	5	3408	1/1	0.97	0.12	32,32,32,32	0
89	OHX	1	3930	7/7	0.97	0.12	95,95,95,95	0
88	MG	8	206	1/1	0.97	0.13	23,23,23,23	0
89	OHX	1	3941	7/7	0.97	0.14	107,107,107,107	0
89	OHX	1	3943	7/7	0.97	0.12	173,173,173,173	0
88	MG	L2	302	1/1	0.97	0.14	41,41,41,41	0
89	OHX	1	3945	7/7	0.97	0.12	109,109,109,109	0
88	MG	6	1953	1/1	0.97	0.24	27,27,27,27	0
89	OHX	1	3947	7/7	0.97	0.13	115,115,115,115	0
88	MG	5	3559	1/1	0.97	0.23	19,19,19,19	0
89	OHX	1	3949	7/7	0.97	0.12	111,111,111,111	0
89	OHX	1	3955	7/7	0.97	0.13	117,117,117,117	0
88	MG	L3	401	1/1	0.97	0.03	42,42,42,42	0
89	OHX	5	4056	7/7	0.97	0.11	144,144,144,144	0
89	OHX	1	3957	7/7	0.97	0.11	124,124,124,124	0
89	OHX	1	3959	7/7	0.97	0.11	132,132,132,132	0
88	MG	5	3728	1/1	0.97	0.03	24,24,24,24	0
88	MG	5	3414	1/1	0.97	0.16	11,11,11,11	0
88	MG	5	3415	1/1	0.97	0.06	24,24,24,24	0
89	OHX	1	3964	7/7	0.97	0.17	114,114,114,114	0
89	OHX	1	3971	7/7	0.97	0.12	128,128,128,128	0
88	MG	8	214	1/1	0.97	0.12	30,30,30,30	0
88	MG	L3	402	1/1	0.97	0.14	11,11,11,11	0
88	MG	1	3575	1/1	0.97	0.12	7,7,7,7	0
89	OHX	1	3977	7/7	0.97	0.11	133,133,133,133	0
88	MG	6	1959	1/1	0.97	0.24	30,30,30,30	0
88	MG	5	3736	1/1	0.97	0.08	24,24,24,24	0
89	OHX	1	3981	7/7	0.97	0.12	166,166,166,166	0
88	MG	5	3419	1/1	0.97	0.03	31,31,31,31	0
88	MG	5	3738	1/1	0.97	0.24	42,42,42,42	0
88	MG	1	3541	1/1	0.97	0.20	35,35,35,35	0
89	OHX	1	3985	7/7	0.97	0.14	149,149,149,149	0
89	OHX	1	3987	7/7	0.97	0.11	149,149,149,149	0
88	MG	14	401	1/1	0.97	0.14	40,40,40,40	0
89	OHX	1	3989	7/7	0.97	0.12	147,147,147,147	0
88	MG	6	1961	1/1	0.97	0.14	35,35,35,35	0
88	MG	5	3422	1/1	0.97	0.04	25,25,25,25	0
89	OHX	1	3994	7/7	0.97	0.11	134,134,134,134	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
89	OHX	1	3995	7/7	0.97	0.12	140,140,140,140	0
88	MG	1	3422	1/1	0.97	0.21	25,25,25,25	0
88	MG	1	3510	1/1	0.97	0.17	5,5,5,5	0
88	MG	5	3746	1/1	0.97	0.06	29,29,29,29	0
88	MG	5	3577	1/1	0.97	0.14	6,6,6,6	0
89	OHX	1	4001	7/7	0.97	0.12	146,146,146,146	0
89	OHX	1	4002	7/7	0.97	0.11	143,143,143,143	0
88	MG	5	3578	1/1	0.97	0.18	29,29,29,29	0
88	MG	5	3425	1/1	0.97	0.06	4,4,4,4	0
89	OHX	5	4092	7/7	0.97	0.10	154,154,154,154	0
89	OHX	3	215	7/7	0.97	0.10	114,114,114,114	0
89	OHX	1	4005	7/7	0.97	0.12	162,162,162,162	0
89	OHX	3	217	7/7	0.97	0.10	133,133,133,133	0
88	MG	1	3835	1/1	0.97	0.07	6,6,6,6	0
88	MG	5	3581	1/1	0.97	0.09	8,8,8,8	0
88	MG	1	3624	1/1	0.97	0.15	34,34,34,34	0
88	MG	m7	202	1/1	0.97	0.06	14,14,14,14	0
88	MG	1	3434	1/1	0.97	0.29	37,37,37,37	0
89	OHX	1	4011	7/7	0.97	0.13	126,126,126,126	0
88	MG	1	3709	1/1	0.97	0.09	36,36,36,36	0
88	MG	6	1969	1/1	0.97	0.12	35,35,35,35	0
89	OHX	4	222	7/7	0.97	0.11	121,121,121,121	0
89	OHX	4	224	7/7	0.97	0.09	166,166,166,166	0
89	OHX	4	225	7/7	0.97	0.09	159,159,159,159	0
88	MG	1	3626	1/1	0.97	0.04	27,27,27,27	0
88	MG	n0	202	1/1	0.97	0.16	41,41,41,41	0
88	MG	5	3761	1/1	0.97	0.17	51,51,51,51	0
88	MG	n6	201	1/1	0.97	0.10	25,25,25,25	0
88	MG	M0	301	1/1	0.97	0.12	30,30,30,30	0
89	OHX	1	4019	7/7	0.97	0.09	149,149,149,149	0
88	MG	5	3435	1/1	0.97	0.11	9,9,9,9	0
88	MG	1	3583	1/1	0.97	0.19	13,13,13,13	0
88	MG	n8	203	1/1	0.97	0.06	23,23,23,23	0
89	OHX	L3	406	7/7	0.97	0.10	157,157,157,157	0
88	MG	5	3594	1/1	0.97	0.16	2,2,2,2	0
88	MG	5	3595	1/1	0.97	0.13	3,3,3,3	0
89	OHX	1	4025	7/7	0.97	0.10	160,160,160,160	0
89	OHX	1	4026	7/7	0.97	0.10	157,157,157,157	0
88	MG	5	3768	1/1	0.97	0.14	64,64,64,64	0
88	MG	6	1973	1/1	0.97	0.10	33,33,33,33	0
88	MG	5	3439	1/1	0.97	0.23	21,21,21,21	0
88	MG	1	3491	1/1	0.97	0.10	25,25,25,25	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
89	OHX	1	4031	7/7	0.97	0.09	176,176,176,176	0
89	OHX	2	2031	7/7	0.97	0.12	99,99,99,99	0
89	OHX	2	2035	7/7	0.97	0.14	111,111,111,111	0
89	OHX	6	2068	7/7	0.97	0.11	119,119,119,119	0
89	OHX	6	2071	7/7	0.97	0.10	133,133,133,133	0
88	MG	5	3443	1/1	0.97	0.12	7,7,7,7	0
89	OHX	6	2075	7/7	0.97	0.10	124,124,124,124	0
89	OHX	6	2078	7/7	0.97	0.13	116,116,116,116	0
89	OHX	6	2080	7/7	0.97	0.09	122,122,122,122	0
89	OHX	6	2081	7/7	0.97	0.13	142,142,142,142	0
88	MG	1	3713	1/1	0.97	0.32	34,34,34,34	0
89	OHX	2	2046	7/7	0.97	0.14	131,131,131,131	0
89	OHX	6	2085	7/7	0.97	0.10	128,128,128,128	0
89	OHX	6	2086	7/7	0.97	0.11	135,135,135,135	0
89	OHX	6	2087	7/7	0.97	0.12	131,131,131,131	0
88	MG	1	3845	1/1	0.97	0.18	11,11,11,11	0
89	OHX	6	2089	7/7	0.97	0.10	128,128,128,128	0
89	OHX	6	2091	7/7	0.97	0.09	139,139,139,139	0
89	OHX	2	2050	7/7	0.97	0.12	143,143,143,143	0
89	OHX	6	2093	7/7	0.97	0.10	132,132,132,132	0
89	OHX	2	2052	7/7	0.97	0.13	134,134,134,134	0
88	MG	5	3605	1/1	0.97	0.16	25,25,25,25	0
88	MG	5	3776	1/1	0.97	0.13	22,22,22,22	0
88	MG	5	3606	1/1	0.97	0.20	41,41,41,41	0
89	OHX	6	2098	7/7	0.97	0.09	154,154,154,154	0
88	MG	5	3607	1/1	0.97	0.08	21,21,21,21	0
89	OHX	1	4044	7/7	0.97	0.10	148,148,148,148	0
88	MG	6	1977	1/1	0.97	0.13	17,17,17,17	0
89	OHX	2	2059	7/7	0.97	0.12	146,146,146,146	0
89	OHX	2	2060	7/7	0.97	0.10	151,151,151,151	0
88	MG	6	1978	1/1	0.97	0.11	47,47,47,47	0
88	MG	M5	302	1/1	0.97	0.04	14,14,14,14	0
89	OHX	1	4050	7/7	0.97	0.10	140,140,140,140	0
89	OHX	2	2064	7/7	0.97	0.12	146,146,146,146	0
89	OHX	6	2110	7/7	0.97	0.10	134,134,134,134	0
88	MG	5	3783	1/1	0.97	0.10	48,48,48,48	0
89	OHX	6	2112	7/7	0.97	0.08	155,155,155,155	0
88	MG	2	1903	1/1	0.97	0.17	24,24,24,24	0
88	MG	2	1997	1/1	0.97	0.11	33,33,33,33	0
88	MG	5	3786	1/1	0.97	0.07	57,57,57,57	0
89	OHX	6	2116	7/7	0.97	0.10	146,146,146,146	0
88	MG	5	3452	1/1	0.97	0.10	28,28,28,28	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
89	OHX	2	2070	7/7	0.97	0.10	155,155,155,155	0
88	MG	5	3788	1/1	0.97	0.11	10,10,10,10	0
88	MG	6	1982	1/1	0.97	0.12	46,46,46,46	0
89	OHX	1	4061	7/7	0.97	0.07	180,180,180,180	0
88	MG	5	3791	1/1	0.97	0.10	40,40,40,40	0
89	OHX	2	2074	7/7	0.97	0.11	159,159,159,159	0
88	MG	1	3774	1/1	0.97	0.07	54,54,54,54	0
88	MG	1	3849	1/1	0.97	0.07	20,20,20,20	0
88	MG	M7	204	1/1	0.97	0.09	16,16,16,16	0
88	MG	5	3459	1/1	0.97	0.14	97,97,97,97	0
88	MG	5	3625	1/1	0.97	0.26	64,64,64,64	0
88	MG	5	3797	1/1	0.97	0.16	30,30,30,30	0
88	MG	M7	205	1/1	0.97	0.05	15,15,15,15	0
88	MG	1	3717	1/1	0.97	0.18	42,42,42,42	0
88	MG	5	3462	1/1	0.97	0.14	26,26,26,26	0
88	MG	5	3630	1/1	0.97	0.10	45,45,45,45	0
88	MG	1	3776	1/1	0.97	0.10	61,61,61,61	0
88	MG	1	3718	1/1	0.97	0.05	27,27,27,27	0
88	MG	N3	201	1/1	0.97	0.15	10,10,10,10	0
88	MG	1	3631	1/1	0.97	0.07	26,26,26,26	0
88	MG	1	3720	1/1	0.97	0.04	21,21,21,21	0
89	OHX	2	2090	7/7	0.97	0.11	170,170,170,170	0
88	MG	1	3673	1/1	0.97	0.04	61,61,61,61	0
88	MG	1	3781	1/1	0.97	0.04	37,37,37,37	0
88	MG	5	3471	1/1	0.97	0.22	36,36,36,36	0
88	MG	1	3437	1/1	0.97	0.14	26,26,26,26	0
88	MG	1	3723	1/1	0.97	0.35	48,48,48,48	0
89	OHX	2	2096	7/7	0.97	0.09	185,185,185,185	0
88	MG	5	3641	1/1	0.97	0.14	17,17,17,17	0
88	MG	5	3642	1/1	0.97	0.08	25,25,25,25	0
88	MG	1	3859	1/1	0.97	0.08	31,31,31,31	0
88	MG	6	2000	1/1	0.97	0.06	49,49,49,49	0
88	MG	1	3455	1/1	0.97	0.11	17,17,17,17	0
88	MG	2	1927	1/1	0.97	0.19	19,19,19,19	0
88	MG	1	3592	1/1	0.97	0.14	5,5,5,5	0
88	MG	O7	102	1/1	0.97	0.15	30,30,30,30	0
88	MG	5	3822	1/1	0.97	0.09	28,28,28,28	0
88	MG	1	3475	1/1	0.97	0.17	8,8,8,8	0
88	MG	5	3650	1/1	0.97	0.15	48,48,48,48	0
88	MG	5	3828	1/1	0.97	0.05	33,33,33,33	0
88	MG	5	3651	1/1	0.97	0.09	19,19,19,19	0
88	MG	1	3788	1/1	0.97	0.11	25,25,25,25	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
88	MG	1	3680	1/1	0.97	0.08	30,30,30,30	0
89	OHX	1	4101	7/7	0.97	0.11	136,136,136,136	0
88	MG	5	3654	1/1	0.97	0.10	11,11,11,11	0
88	MG	6	2011	1/1	0.97	0.03	46,46,46,46	0
88	MG	6	1905	1/1	0.97	0.27	37,37,37,37	0
88	MG	1	3681	1/1	0.97	0.17	36,36,36,36	0
88	MG	5	3839	1/1	0.97	0.04	12,12,12,12	0
88	MG	1	3730	1/1	0.97	0.16	42,42,42,42	0
88	MG	1	3732	1/1	0.97	0.08	41,41,41,41	0
88	MG	1	3733	1/1	0.97	0.14	15,15,15,15	0
88	MG	6	2019	1/1	0.97	0.19	39,39,39,39	0
88	MG	1	3522	1/1	0.97	0.05	21,21,21,21	0
88	MG	6	2021	1/1	0.97	0.09	31,31,31,31	0
88	MG	6	1911	1/1	0.97	0.21	26,26,26,26	0
88	MG	5	3666	1/1	0.97	0.13	34,34,34,34	0
88	MG	1	3523	1/1	0.97	0.08	45,45,45,45	0
88	MG	5	3668	1/1	0.97	0.17	30,30,30,30	0
88	MG	6	1914	1/1	0.97	0.14	7,7,7,7	0
88	MG	1	3524	1/1	0.97	0.18	5,5,5,5	0
88	MG	1	3439	1/1	0.97	0.14	34,34,34,34	0
88	MG	5	3858	1/1	0.97	0.11	38,38,38,38	0
88	MG	5	3859	1/1	0.97	0.15	33,33,33,33	0
88	MG	5	3860	1/1	0.97	0.04	53,53,53,53	0
88	MG	5	3672	1/1	0.97	0.09	25,25,25,25	0
88	MG	1	3738	1/1	0.97	0.04	16,16,16,16	0
88	MG	5	3864	1/1	0.97	0.19	54,54,54,54	0
88	MG	2	1956	1/1	0.97	0.13	33,33,33,33	0
88	MG	1	3802	1/1	0.97	0.10	16,16,16,16	0
88	MG	5	3676	1/1	0.97	0.23	33,33,33,33	0
88	MG	1	3559	1/1	0.97	0.17	7,7,7,7	0
88	MG	5	3870	1/1	0.97	0.05	18,18,18,18	0
88	MG	5	3871	1/1	0.97	0.19	29,29,29,29	0
88	MG	5	3678	1/1	0.97	0.09	38,38,38,38	0
88	MG	5	3873	1/1	0.97	0.14	15,15,15,15	0
88	MG	5	3874	1/1	0.97	0.23	18,18,18,18	0
88	MG	1	3478	1/1	0.97	0.20	39,39,39,39	0
88	MG	5	3681	1/1	0.97	0.07	28,28,28,28	0
88	MG	5	3682	1/1	0.97	0.06	21,21,21,21	0
88	MG	5	3879	1/1	0.97	0.33	36,36,36,36	0
88	MG	1	3805	1/1	0.97	0.06	30,30,30,30	0
88	MG	1	3418	1/1	0.97	0.12	4,4,4,4	0
88	MG	1	3562	1/1	0.97	0.14	11,11,11,11	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
88	MG	5	3884	1/1	0.97	0.17	38,38,38,38	0
88	MG	5	3509	1/1	0.97	0.20	6,6,6,6	0
88	MG	2	1932	1/1	0.97	0.29	33,33,33,33	0
88	MG	1	3745	1/1	0.97	0.08	34,34,34,34	0
88	MG	5	3513	1/1	0.97	0.23	9,9,9,9	0
89	OHX	7	216	7/7	0.97	0.13	103,103,103,103	0
88	MG	1	3747	1/1	0.97	0.05	25,25,25,25	0
88	MG	3	213	1/1	0.97	0.16	25,25,25,25	0
88	MG	6	1929	1/1	0.97	0.13	27,27,27,27	0
88	MG	5	3522	1/1	0.97	0.15	6,6,6,6	0
88	MG	2	1911	1/1	0.97	0.23	29,29,29,29	0
89	OHX	5	3928	7/7	0.97	0.14	77,77,77,77	0
89	OHX	5	3951	7/7	0.97	0.11	101,101,101,101	0
89	OHX	8	219	7/7	0.97	0.11	135,135,135,135	0
89	OHX	8	220	7/7	0.97	0.12	128,128,128,128	0
89	OHX	5	3957	7/7	0.97	0.12	100,100,100,100	0
89	OHX	5	3962	7/7	0.97	0.11	94,94,94,94	0
89	OHX	5	3965	7/7	0.97	0.12	108,108,108,108	0
88	MG	1	3816	1/1	0.97	0.10	19,19,19,19	0
89	OHX	5	3977	7/7	0.97	0.13	102,102,102,102	0
88	MG	4	202	1/1	0.97	0.17	17,17,17,17	0
89	OHX	5	3981	7/7	0.97	0.11	105,105,105,105	0
89	OHX	5	3983	7/7	0.97	0.13	113,113,113,113	0
89	OHX	5	3985	7/7	0.97	0.10	120,120,120,120	0
89	OHX	5	3986	7/7	0.97	0.15	113,113,113,113	0
89	OHX	5	3990	7/7	0.97	0.10	127,127,127,127	0
89	OHX	13	406	7/7	0.97	0.11	146,146,146,146	0
89	OHX	5	3991	7/7	0.97	0.12	156,156,156,156	0
89	OHX	5	3992	7/7	0.97	0.10	133,133,133,133	0
89	OHX	5	3994	7/7	0.97	0.11	115,115,115,115	0
88	MG	5	3896	1/1	0.97	0.14	22,22,22,22	0
88	MG	1	3750	1/1	0.97	0.07	32,32,32,32	0
89	OHX	5	3998	7/7	0.97	0.18	112,112,112,112	0
89	OHX	5	3999	7/7	0.97	0.10	134,134,134,134	0
88	MG	4	204	1/1	0.97	0.21	30,30,30,30	0
89	OHX	5	4002	7/7	0.97	0.12	134,134,134,134	0
89	OHX	5	4004	7/7	0.97	0.15	114,114,114,114	0
88	MG	1	3650	1/1	0.97	0.14	36,36,36,36	0
89	OHX	5	4006	7/7	0.97	0.13	113,113,113,113	0
88	MG	1	3820	1/1	0.97	0.07	39,39,39,39	0
89	OHX	5	4009	7/7	0.97	0.10	145,145,145,145	0
89	OHX	5	4012	7/7	0.97	0.09	129,129,129,129	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
89	OHX	5	4013	7/7	0.97	0.09	142,142,142,142	0
89	OHX	5	4014	7/7	0.97	0.11	144,144,144,144	0
88	MG	1	3821	1/1	0.97	0.17	40,40,40,40	0
88	MG	1	3822	1/1	0.97	0.12	21,21,21,21	0
88	MG	5	3537	1/1	0.97	0.19	20,20,20,20	0
88	MG	1	3534	1/1	0.97	0.12	13,13,13,13	0
88	MG	5	3477	1/1	0.98	0.07	39,39,39,39	0
89	OHX	1	3992	7/7	0.98	0.11	116,116,116,116	0
89	OHX	1	3993	7/7	0.98	0.12	141,141,141,141	0
88	MG	5	3570	1/1	0.98	0.12	0,0,0,0	0
88	MG	7	206	1/1	0.98	0.05	31,31,31,31	0
88	MG	1	3483	1/1	0.98	0.16	20,20,20,20	0
88	MG	1	3447	1/1	0.98	0.07	16,16,16,16	0
89	OHX	1	3998	7/7	0.98	0.11	141,141,141,141	0
88	MG	1	3448	1/1	0.98	0.11	23,23,23,23	0
88	MG	6	1997	1/1	0.98	0.13	30,30,30,30	0
88	MG	1	3449	1/1	0.98	0.13	33,33,33,33	0
88	MG	1	3591	1/1	0.98	0.21	15,15,15,15	0
88	MG	1	3664	1/1	0.98	0.04	19,19,19,19	0
88	MG	5	3680	1/1	0.98	0.11	21,21,21,21	0
88	MG	1	3665	1/1	0.98	0.13	34,34,34,34	0
88	MG	6	2002	1/1	0.98	0.03	21,21,21,21	0
88	MG	5	3412	1/1	0.98	0.18	20,20,20,20	0
89	OHX	1	4169	7/7	0.98	0.11	161,161,161,161	0
88	MG	5	3413	1/1	0.98	0.19	28,28,28,28	0
88	MG	6	2003	1/1	0.98	0.06	55,55,55,55	0
88	MG	5	3686	1/1	0.98	0.16	37,37,37,37	0
88	MG	1	3839	1/1	0.98	0.12	22,22,22,22	0
88	MG	1	3705	1/1	0.98	0.22	55,55,55,55	0
88	MG	5	3587	1/1	0.98	0.26	18,18,18,18	0
89	OHX	5	4113	7/7	0.98	0.10	132,132,132,132	0
88	MG	5	3588	1/1	0.98	0.27	6,6,6,6	0
88	MG	2	1968	1/1	0.98	0.18	27,27,27,27	0
88	MG	1	3412	1/1	0.98	0.12	19,19,19,19	0
88	MG	1	3565	1/1	0.98	0.20	7,7,7,7	0
88	MG	1	3474	1/1	0.98	0.10	5,5,5,5	0
88	MG	N8	203	1/1	0.98	0.11	66,66,66,66	0
88	MG	5	3696	1/1	0.98	0.06	55,55,55,55	0
88	MG	1	3462	1/1	0.98	0.12	3,3,3,3	0
88	MG	4	206	1/1	0.98	0.22	19,19,19,19	0
88	MG	5	3499	1/1	0.98	0.21	18,18,18,18	0
88	MG	1	3633	1/1	0.98	0.04	32,32,32,32	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
88	MG	5	3598	1/1	0.98	0.17	0,0,0,0	0
88	MG	5	3599	1/1	0.98	0.27	14,14,14,14	0
88	MG	5	3501	1/1	0.98	0.12	19,19,19,19	0
88	MG	1	3598	1/1	0.98	0.09	15,15,15,15	0
88	MG	5	3602	1/1	0.98	0.10	21,21,21,21	0
88	MG	1	3599	1/1	0.98	0.20	3,3,3,3	0
88	MG	6	1956	1/1	0.98	0.31	29,29,29,29	0
88	MG	6	1957	1/1	0.98	0.14	17,17,17,17	0
88	MG	5	3823	1/1	0.98	0.07	39,39,39,39	0
88	MG	4	210	1/1	0.98	0.14	30,30,30,30	0
88	MG	m5	303	1/1	0.98	0.04	26,26,26,26	0
88	MG	1	3600	1/1	0.98	0.28	11,11,11,11	0
88	MG	5	3827	1/1	0.98	0.22	39,39,39,39	0
88	MG	m6	202	1/1	0.98	0.10	48,48,48,48	0
88	MG	6	2024	1/1	0.98	0.09	40,40,40,40	0
88	MG	5	3433	1/1	0.98	0.19	27,27,27,27	0
88	MG	5	3610	1/1	0.98	0.11	2,2,2,2	0
88	MG	5	3611	1/1	0.98	0.18	15,15,15,15	0
88	MG	5	3510	1/1	0.98	0.14	2,2,2,2	0
88	MG	5	3614	1/1	0.98	0.17	36,36,36,36	0
88	MG	4	212	1/1	0.98	0.06	36,36,36,36	0
88	MG	n3	201	1/1	0.98	0.19	3,3,3,3	0
88	MG	1	3545	1/1	0.98	0.15	17,17,17,17	0
88	MG	6	1962	1/1	0.98	0.11	26,26,26,26	0
88	MG	5	3514	1/1	0.98	0.06	12,12,12,12	0
88	MG	5	3515	1/1	0.98	0.12	27,27,27,27	0
88	MG	1	3603	1/1	0.98	0.19	7,7,7,7	0
89	OHX	1	4052	7/7	0.98	0.10	159,159,159,159	0
88	MG	5	3845	1/1	0.98	0.05	18,18,18,18	0
88	MG	5	3517	1/1	0.98	0.07	11,11,11,11	0
88	MG	5	3438	1/1	0.98	0.20	25,25,25,25	0
88	MG	1	3759	1/1	0.98	0.07	9,9,9,9	0
88	MG	5	3626	1/1	0.98	0.10	15,15,15,15	0
88	MG	4	216	1/1	0.98	0.05	23,23,23,23	0
88	MG	5	3441	1/1	0.98	0.11	1,1,1,1	0
89	OHX	2	2025	7/7	0.98	0.13	82,82,82,82	0
89	OHX	2	2029	7/7	0.98	0.10	100,100,100,100	0
89	OHX	2	2030	7/7	0.98	0.11	97,97,97,97	0
88	MG	2	1929	1/1	0.98	0.13	19,19,19,19	0
89	OHX	2	2033	7/7	0.98	0.12	109,109,109,109	0
88	MG	5	3854	1/1	0.98	0.07	59,59,59,59	0
89	OHX	2	2037	7/7	0.98	0.10	114,114,114,114	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
89	OHX	2	2038	7/7	0.98	0.11	113,113,113,113	0
89	OHX	2	2039	7/7	0.98	0.09	112,112,112,112	0
88	MG	5	3733	1/1	0.98	0.09	33,33,33,33	0
89	OHX	2	2041	7/7	0.98	0.10	102,102,102,102	0
88	MG	5	3525	1/1	0.98	0.29	27,27,27,27	0
89	OHX	5	3931	7/7	0.98	0.11	98,98,98,98	0
89	OHX	5	3942	7/7	0.98	0.12	96,96,96,96	0
89	OHX	5	3943	7/7	0.98	0.10	97,97,97,97	0
89	OHX	5	3946	7/7	0.98	0.11	89,89,89,89	0
89	OHX	5	3948	7/7	0.98	0.11	85,85,85,85	0
89	OHX	5	3949	7/7	0.98	0.11	97,97,97,97	0
89	OHX	2	2045	7/7	0.98	0.12	125,125,125,125	0
89	OHX	5	3952	7/7	0.98	0.11	89,89,89,89	0
89	OHX	5	3953	7/7	0.98	0.11	99,99,99,99	0
89	OHX	5	3954	7/7	0.98	0.11	107,107,107,107	0
88	MG	1	3493	1/1	0.98	0.16	16,16,16,16	0
89	OHX	5	3958	7/7	0.98	0.13	94,94,94,94	0
89	OHX	5	3960	7/7	0.98	0.12	109,109,109,109	0
89	OHX	2	2048	7/7	0.98	0.07	125,125,125,125	0
89	OHX	5	3963	7/7	0.98	0.11	98,98,98,98	0
88	MG	1	3464	1/1	0.98	0.14	10,10,10,10	0
89	OHX	5	3966	7/7	0.98	0.12	93,93,93,93	0
89	OHX	5	3968	7/7	0.98	0.10	102,102,102,102	0
89	OHX	5	3969	7/7	0.98	0.10	97,97,97,97	0
89	OHX	5	3971	7/7	0.98	0.10	101,101,101,101	0
89	OHX	5	3974	7/7	0.98	0.09	91,91,91,91	0
89	OHX	5	3975	7/7	0.98	0.12	110,110,110,110	0
88	MG	1	3808	1/1	0.98	0.07	70,70,70,70	0
89	OHX	4	223	7/7	0.98	0.08	142,142,142,142	0
89	OHX	2	2051	7/7	0.98	0.08	123,123,123,123	0
89	OHX	5	3980	7/7	0.98	0.10	110,110,110,110	0
88	MG	1	3572	1/1	0.98	0.19	6,6,6,6	0
89	OHX	5	3982	7/7	0.98	0.12	121,121,121,121	0
88	MG	5	3531	1/1	0.98	0.14	16,16,16,16	0
88	MG	1	3573	1/1	0.98	0.06	3,3,3,3	0
89	OHX	5	4202	7/7	0.98	0.11	143,143,143,143	0
88	MG	5	3534	1/1	0.98	0.16	27,27,27,27	0
89	OHX	5	3987	7/7	0.98	0.09	123,123,123,123	0
89	OHX	5	3988	7/7	0.98	0.14	105,105,105,105	0
89	OHX	C8	202	7/7	0.98	0.09	116,116,116,116	0
88	MG	1	3528	1/1	0.98	0.18	15,15,15,15	0
88	MG	5	3743	1/1	0.98	0.05	29,29,29,29	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
89	OHX	2	2058	7/7	0.98	0.10	137,137,137,137	0
89	OHX	5	3995	7/7	0.98	0.11	122,122,122,122	0
89	OHX	1	3904	7/7	0.98	0.12	97,97,97,97	0
88	MG	5	3450	1/1	0.98	0.10	7,7,7,7	0
89	OHX	1	3909	7/7	0.98	0.11	97,97,97,97	0
89	OHX	1	3915	7/7	0.98	0.11	98,98,98,98	0
89	OHX	5	4000	7/7	0.98	0.10	121,121,121,121	0
88	MG	5	3745	1/1	0.98	0.07	0,0,0,0	0
89	OHX	2	2061	7/7	0.98	0.10	145,145,145,145	0
89	OHX	1	3924	7/7	0.98	0.10	107,107,107,107	0
89	OHX	1	3925	7/7	0.98	0.11	102,102,102,102	0
89	OHX	1	3926	7/7	0.98	0.10	99,99,99,99	0
89	OHX	5	4007	7/7	0.98	0.10	138,138,138,138	0
88	MG	1	3766	1/1	0.98	0.10	40,40,40,40	0
88	MG	5	3538	1/1	0.98	0.24	22,22,22,22	0
89	OHX	5	4011	7/7	0.98	0.11	122,122,122,122	0
89	OHX	1	3932	7/7	0.98	0.12	102,102,102,102	0
89	OHX	1	3933	7/7	0.98	0.10	93,93,93,93	0
89	OHX	O7	104	7/7	0.98	0.09	126,126,126,126	0
89	OHX	6	2056	7/7	0.98	0.11	94,94,94,94	0
89	OHX	1	3934	7/7	0.98	0.12	92,92,92,92	0
89	OHX	6	2062	7/7	0.98	0.10	106,106,106,106	0
89	OHX	6	2063	7/7	0.98	0.12	100,100,100,100	0
89	OHX	6	2064	7/7	0.98	0.10	127,127,127,127	0
89	OHX	6	2065	7/7	0.98	0.13	104,104,104,104	0
89	OHX	6	2066	7/7	0.98	0.10	111,111,111,111	0
89	OHX	1	3935	7/7	0.98	0.11	105,105,105,105	0
89	OHX	6	2069	7/7	0.98	0.13	107,107,107,107	0
89	OHX	6	2070	7/7	0.98	0.09	126,126,126,126	0
88	MG	1	3529	1/1	0.98	0.12	3,3,3,3	0
89	OHX	6	2073	7/7	0.98	0.11	123,123,123,123	0
89	OHX	1	3938	7/7	0.98	0.10	115,115,115,115	0
89	OHX	1	3939	7/7	0.98	0.12	108,108,108,108	0
89	OHX	6	2076	7/7	0.98	0.10	125,125,125,125	0
89	OHX	6	2077	7/7	0.98	0.10	121,121,121,121	0
88	MG	5	3749	1/1	0.98	0.14	8,8,8,8	0
89	OHX	6	2079	7/7	0.98	0.09	112,112,112,112	0
88	MG	5	3453	1/1	0.98	0.18	17,17,17,17	0
88	MG	1	3420	1/1	0.98	0.10	35,35,35,35	0
88	MG	5	3542	1/1	0.98	0.14	0,0,0,0	0
89	OHX	5	4036	7/7	0.98	0.10	135,135,135,135	0
88	MG	1	3817	1/1	0.98	0.11	37,37,37,37	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
89	OHX	6	2084	7/7	0.98	0.10	129,129,129,129	0
88	MG	1	3552	1/1	0.98	0.14	19,19,19,19	0
88	MG	5	3756	1/1	0.98	0.15	37,37,37,37	0
89	OHX	5	4041	7/7	0.98	0.10	135,135,135,135	0
88	MG	2	1922	1/1	0.98	0.18	31,31,31,31	0
89	OHX	1	3950	7/7	0.98	0.11	111,111,111,111	0
89	OHX	1	3951	7/7	0.98	0.11	111,111,111,111	0
89	OHX	6	2090	7/7	0.98	0.10	135,135,135,135	0
89	OHX	1	3952	7/7	0.98	0.09	124,124,124,124	0
89	OHX	7	218	7/7	0.98	0.09	144,144,144,144	0
89	OHX	7	219	7/7	0.98	0.11	128,128,128,128	0
89	OHX	7	220	7/7	0.98	0.10	128,128,128,128	0
89	OHX	5	4047	7/7	0.98	0.09	147,147,147,147	0
89	OHX	1	3953	7/7	0.98	0.10	114,114,114,114	0
89	OHX	1	3954	7/7	0.98	0.10	112,112,112,112	0
88	MG	1	3532	1/1	0.98	0.15	11,11,11,11	0
88	MG	5	3759	1/1	0.98	0.05	34,34,34,34	0
88	MG	6	2204	1/1	0.98	0.08	38,38,38,38	0
89	OHX	1	3958	7/7	0.98	0.09	127,127,127,127	0
88	MG	1	3582	1/1	0.98	0.18	11,11,11,11	0
89	OHX	6	2099	7/7	0.98	0.10	135,135,135,135	0
88	MG	1	3618	1/1	0.98	0.11	17,17,17,17	0
89	OHX	1	3961	7/7	0.98	0.14	112,112,112,112	0
88	MG	5	3463	1/1	0.98	0.15	6,6,6,6	0
88	MG	1	3731	1/1	0.98	0.03	32,32,32,32	0
88	MG	1	3513	1/1	0.98	0.17	19,19,19,19	0
89	OHX	1	3965	7/7	0.98	0.11	104,104,104,104	0
89	OHX	1	3966	7/7	0.98	0.11	108,108,108,108	0
89	OHX	6	2107	7/7	0.98	0.07	143,143,143,143	0
89	OHX	1	3967	7/7	0.98	0.12	124,124,124,124	0
89	OHX	1	3968	7/7	0.98	0.12	110,110,110,110	0
89	OHX	l3	405	7/7	0.98	0.09	126,126,126,126	0
89	OHX	1	3969	7/7	0.98	0.09	120,120,120,120	0
89	OHX	1	3970	7/7	0.98	0.09	140,140,140,140	0
88	MG	1	3825	1/1	0.98	0.05	32,32,32,32	0
88	MG	1	3654	1/1	0.98	0.03	29,29,29,29	0
88	MG	1	3410	1/1	0.98	0.10	10,10,10,10	0
89	OHX	1	3975	7/7	0.98	0.10	125,125,125,125	0
88	MG	1	3694	1/1	0.98	0.09	27,27,27,27	0
88	MG	6	1931	1/1	0.98	0.17	29,29,29,29	0
88	MG	M5	303	1/1	0.98	0.20	39,39,39,39	0
88	MG	5	3560	1/1	0.98	0.13	27,27,27,27	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
89	OHX	1	3980	7/7	0.98	0.10	118,118,118,118	0
88	MG	5	3472	1/1	0.98	0.13	7,7,7,7	0
88	MG	M5	304	1/1	0.98	0.20	40,40,40,40	0
89	OHX	5	4080	7/7	0.98	0.12	141,141,141,141	0
89	OHX	m6	203	7/7	0.98	0.12	117,117,117,117	0
88	MG	1	3416	1/1	0.98	0.04	20,20,20,20	0
88	MG	5	3565	1/1	0.98	0.26	19,19,19,19	0
89	OHX	o7	502	7/7	0.98	0.10	123,123,123,123	0
89	OHX	q2	502	7/7	0.98	0.11	138,138,138,138	0
88	MG	5	3778	1/1	0.98	0.06	31,31,31,31	0
89	OHX	1	3986	7/7	0.98	0.10	155,155,155,155	0
88	MG	1	3586	1/1	0.98	0.14	10,10,10,10	0
88	MG	7	201	1/1	0.98	0.16	9,9,9,9	0
88	MG	5	3567	1/1	0.98	0.10	9,9,9,9	0
88	MG	5	3402	1/1	0.98	0.07	3,3,3,3	0
89	OHX	5	3956	7/7	0.99	0.09	102,102,102,102	0
88	MG	6	1996	1/1	0.99	0.04	24,24,24,24	0
88	MG	1	3769	1/1	0.99	0.15	38,38,38,38	0
89	OHX	5	3959	7/7	0.99	0.08	95,95,95,95	0
88	MG	5	3519	1/1	0.99	0.08	13,13,13,13	0
89	OHX	5	3961	7/7	0.99	0.09	78,78,78,78	0
88	MG	5	3752	1/1	0.99	0.11	41,41,41,41	0
88	MG	1	3601	1/1	0.99	0.13	1,1,1,1	0
89	OHX	5	3964	7/7	0.99	0.08	100,100,100,100	0
88	MG	5	3521	1/1	0.99	0.12	1,1,1,1	0
88	MG	5	3703	1/1	0.99	0.02	16,16,16,16	0
89	OHX	5	3967	7/7	0.99	0.08	98,98,98,98	0
88	MG	5	3564	1/1	0.99	0.21	9,9,9,9	0
88	MG	1	3749	1/1	0.99	0.06	4,4,4,4	0
89	OHX	5	3970	7/7	0.99	0.08	97,97,97,97	0
88	MG	5	3877	1/1	0.99	0.20	16,16,16,16	0
89	OHX	5	3972	7/7	0.99	0.09	103,103,103,103	0
89	OHX	5	3973	7/7	0.99	0.08	99,99,99,99	0
88	MG	1	3659	1/1	0.99	0.09	5,5,5,5	0
88	MG	1	3644	1/1	0.99	0.04	17,17,17,17	0
88	MG	5	3814	1/1	0.99	0.09	36,36,36,36	0
88	MG	5	3612	1/1	0.99	0.10	18,18,18,18	0
89	OHX	5	3978	7/7	0.99	0.08	108,108,108,108	0
88	MG	5	3660	1/1	0.99	0.17	41,41,41,41	0
88	MG	5	3883	1/1	0.99	0.16	34,34,34,34	0
88	MG	6	1913	1/1	0.99	0.18	24,24,24,24	0
88	MG	5	3763	1/1	0.99	0.04	20,20,20,20	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
88	MG	1	3441	1/1	0.99	0.26	30,30,30,30	0
89	OHX	5	3984	7/7	0.99	0.09	96,96,96,96	0
88	MG	5	3615	1/1	0.99	0.02	19,19,19,19	0
88	MG	5	3821	1/1	0.99	0.04	58,58,58,58	0
88	MG	5	3713	1/1	0.99	0.06	35,35,35,35	0
88	MG	1	3695	1/1	0.99	0.13	27,27,27,27	0
89	OHX	5	3989	7/7	0.99	0.09	119,119,119,119	0
88	MG	1	3481	1/1	0.99	0.02	20,20,20,20	0
88	MG	1	3679	1/1	0.99	0.04	33,33,33,33	0
88	MG	5	3619	1/1	0.99	0.12	21,21,21,21	0
89	OHX	5	3993	7/7	0.99	0.10	119,119,119,119	0
88	MG	1	3716	1/1	0.99	0.09	41,41,41,41	0
89	OHX	1	3974	7/7	0.99	0.09	89,89,89,89	0
88	MG	1	3490	1/1	0.99	0.05	5,5,5,5	0
88	MG	5	3533	1/1	0.99	0.17	1,1,1,1	0
88	MG	2	1919	1/1	0.99	0.15	25,25,25,25	0
88	MG	5	3832	1/1	0.99	0.05	45,45,45,45	0
88	MG	5	3457	1/1	0.99	0.17	18,18,18,18	0
88	MG	6	2010	1/1	0.99	0.04	45,45,45,45	0
88	MG	5	3835	1/1	0.99	0.10	28,28,28,28	0
89	OHX	5	4003	7/7	0.99	0.09	129,129,129,129	0
88	MG	1	3564	1/1	0.99	0.21	15,15,15,15	0
88	MG	1	3607	1/1	0.99	0.03	15,15,15,15	0
88	MG	5	3838	1/1	0.99	0.07	68,68,68,68	0
88	MG	q0	202	1/1	0.99	0.07	38,38,38,38	0
88	MG	6	2013	1/1	0.99	0.03	25,25,25,25	0
88	MG	5	3840	1/1	0.99	0.12	26,26,26,26	0
89	OHX	5	4010	7/7	0.99	0.09	88,88,88,88	0
88	MG	1	3807	1/1	0.99	0.04	30,30,30,30	0
89	OHX	2	2023	7/7	0.99	0.11	75,75,75,75	0
89	OHX	2	2024	7/7	0.99	0.11	81,81,81,81	0
88	MG	5	3583	1/1	0.99	0.20	17,17,17,17	0
89	OHX	2	2026	7/7	0.99	0.09	89,89,89,89	0
89	OHX	2	2028	7/7	0.99	0.09	99,99,99,99	0
88	MG	5	3843	1/1	0.99	0.07	44,44,44,44	0
88	MG	5	3729	1/1	0.99	0.14	43,43,43,43	0
88	MG	1	3540	1/1	0.99	0.30	19,19,19,19	0
89	OHX	2	2032	7/7	0.99	0.09	106,106,106,106	0
88	MG	1	3809	1/1	0.99	0.10	65,65,65,65	0
89	OHX	2	2034	7/7	0.99	0.10	99,99,99,99	0
88	MG	5	3586	1/1	0.99	0.22	10,10,10,10	0
89	OHX	1	3877	7/7	0.99	0.11	55,55,55,55	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
89	OHX	1	3879	7/7	0.99	0.11	59,59,59,59	0
89	OHX	1	3880	7/7	0.99	0.08	52,52,52,52	0
89	OHX	1	3881	7/7	0.99	0.09	63,63,63,63	0
89	OHX	1	3882	7/7	0.99	0.11	59,59,59,59	0
89	OHX	1	3883	7/7	0.99	0.10	62,62,62,62	0
89	OHX	1	3887	7/7	0.99	0.08	66,66,66,66	0
89	OHX	4	220	7/7	0.99	0.11	62,62,62,62	0
89	OHX	4	221	7/7	0.99	0.09	86,86,86,86	0
89	OHX	1	3888	7/7	0.99	0.10	63,63,63,63	0
89	OHX	1	3889	7/7	0.99	0.07	77,77,77,77	0
89	OHX	1	3890	7/7	0.99	0.10	76,76,76,76	0
89	OHX	1	3891	7/7	0.99	0.12	71,71,71,71	0
89	OHX	1	3893	7/7	0.99	0.10	74,74,74,74	0
89	OHX	1	3894	7/7	0.99	0.09	72,72,72,72	0
89	OHX	1	3896	7/7	0.99	0.08	74,74,74,74	0
89	OHX	1	3899	7/7	0.99	0.10	73,73,73,73	0
89	OHX	1	3900	7/7	0.99	0.09	78,78,78,78	0
89	OHX	1	3902	7/7	0.99	0.07	72,72,72,72	0
89	OHX	1	3903	7/7	0.99	0.09	82,82,82,82	0
89	OHX	2	2036	7/7	0.99	0.09	105,105,105,105	0
88	MG	5	3428	1/1	0.99	0.10	5,5,5,5	0
89	OHX	1	3906	7/7	0.99	0.11	81,81,81,81	0
89	OHX	1	3907	7/7	0.99	0.07	78,78,78,78	0
89	OHX	1	3908	7/7	0.99	0.11	83,83,83,83	0
88	MG	6	2017	1/1	0.99	0.03	52,52,52,52	0
89	OHX	1	3910	7/7	0.99	0.09	79,79,79,79	0
89	OHX	1	3911	7/7	0.99	0.08	83,83,83,83	0
89	OHX	1	3912	7/7	0.99	0.08	82,82,82,82	0
89	OHX	1	3913	7/7	0.99	0.10	89,89,89,89	0
89	OHX	1	3914	7/7	0.99	0.09	91,91,91,91	0
89	OHX	N9	101	7/7	0.99	0.11	67,67,67,67	0
88	MG	1	3596	1/1	0.99	0.04	25,25,25,25	0
89	OHX	5	4057	7/7	0.99	0.08	135,135,135,135	0
89	OHX	1	3916	7/7	0.99	0.09	88,88,88,88	0
89	OHX	1	3917	7/7	0.99	0.09	92,92,92,92	0
89	OHX	6	2045	7/7	0.99	0.11	67,67,67,67	0
89	OHX	6	2047	7/7	0.99	0.08	66,66,66,66	0
89	OHX	6	2048	7/7	0.99	0.10	70,70,70,70	0
89	OHX	6	2049	7/7	0.99	0.10	74,74,74,74	0
89	OHX	6	2050	7/7	0.99	0.10	70,70,70,70	0
89	OHX	6	2051	7/7	0.99	0.12	79,79,79,79	0
89	OHX	6	2052	7/7	0.99	0.11	83,83,83,83	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
89	OHX	6	2055	7/7	0.99	0.09	92,92,92,92	0
89	OHX	1	3918	7/7	0.99	0.07	80,80,80,80	0
89	OHX	6	2057	7/7	0.99	0.07	92,92,92,92	0
89	OHX	6	2058	7/7	0.99	0.08	86,86,86,86	0
89	OHX	6	2059	7/7	0.99	0.09	94,94,94,94	0
89	OHX	6	2060	7/7	0.99	0.08	88,88,88,88	0
88	MG	1	3512	1/1	0.99	0.12	13,13,13,13	0
88	MG	5	3790	1/1	0.99	0.06	37,37,37,37	0
89	OHX	1	3921	7/7	0.99	0.08	93,93,93,93	0
89	OHX	1	3922	7/7	0.99	0.09	99,99,99,99	0
89	OHX	1	3923	7/7	0.99	0.10	97,97,97,97	0
89	OHX	2	2042	7/7	0.99	0.09	108,108,108,108	0
89	OHX	6	2067	7/7	0.99	0.10	95,95,95,95	0
88	MG	5	3547	1/1	0.99	0.10	11,11,11,11	0
89	OHX	2	2044	7/7	0.99	0.08	121,121,121,121	0
89	OHX	7	215	7/7	0.99	0.11	89,89,89,89	0
89	OHX	1	3927	7/7	0.99	0.10	95,95,95,95	0
89	OHX	s1	302	7/7	0.99	0.09	78,78,78,78	0
89	OHX	1	3928	7/7	0.99	0.09	96,96,96,96	0
89	OHX	6	2072	7/7	0.99	0.08	108,108,108,108	0
88	MG	1	3611	1/1	0.99	0.18	26,26,26,26	0
88	MG	1	3576	1/1	0.99	0.12	0,0,0,0	0
89	OHX	1	3931	7/7	0.99	0.08	96,96,96,96	0
89	OHX	2	2047	7/7	0.99	0.07	135,135,135,135	0
88	MG	6	1901	1/1	0.99	0.18	18,18,18,18	0
88	MG	6	2023	1/1	0.99	0.03	61,61,61,61	0
88	MG	1	3428	1/1	0.99	0.10	18,18,18,18	0
89	OHX	5	3904	7/7	0.99	0.11	50,50,50,50	0
89	OHX	5	3907	7/7	0.99	0.11	64,64,64,64	0
89	OHX	5	3909	7/7	0.99	0.10	54,54,54,54	0
89	OHX	5	3911	7/7	0.99	0.12	64,64,64,64	0
89	OHX	5	3912	7/7	0.99	0.08	64,64,64,64	0
89	OHX	5	3913	7/7	0.99	0.08	62,62,62,62	0
89	OHX	5	3914	7/7	0.99	0.09	58,58,58,58	0
89	OHX	5	3916	7/7	0.99	0.11	67,67,67,67	0
89	OHX	5	3920	7/7	0.99	0.07	70,70,70,70	0
89	OHX	5	3922	7/7	0.99	0.07	63,63,63,63	0
89	OHX	5	3925	7/7	0.99	0.09	70,70,70,70	0
89	OHX	5	3926	7/7	0.99	0.08	72,72,72,72	0
89	OHX	5	3927	7/7	0.99	0.07	70,70,70,70	0
89	OHX	1	3936	7/7	0.99	0.09	103,103,103,103	0
89	OHX	5	3929	7/7	0.99	0.07	81,81,81,81	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
89	OHX	5	3930	7/7	0.99	0.08	82,82,82,82	0
88	MG	1	3815	1/1	0.99	0.07	59,59,59,59	0
89	OHX	5	3933	7/7	0.99	0.10	82,82,82,82	0
89	OHX	5	3934	7/7	0.99	0.11	83,83,83,83	0
89	OHX	5	3936	7/7	0.99	0.08	87,87,87,87	0
89	OHX	5	3937	7/7	0.99	0.07	83,83,83,83	0
89	OHX	5	3938	7/7	0.99	0.07	83,83,83,83	0
89	OHX	5	3939	7/7	0.99	0.09	78,78,78,78	0
89	OHX	5	3940	7/7	0.99	0.07	81,81,81,81	0
89	OHX	5	3941	7/7	0.99	0.08	92,92,92,92	0
88	MG	1	3746	1/1	0.99	0.03	32,32,32,32	0
88	MG	1	3844	1/1	0.99	0.12	7,7,7,7	0
89	OHX	5	3944	7/7	0.99	0.09	93,93,93,93	0
89	OHX	5	3945	7/7	0.99	0.12	88,88,88,88	0
89	OHX	n3	203	7/7	0.99	0.08	92,92,92,92	0
89	OHX	1	3940	7/7	0.99	0.08	94,94,94,94	0
89	OHX	n9	101	7/7	0.99	0.10	70,70,70,70	0
89	OHX	5	3947	7/7	0.99	0.06	80,80,80,80	0
88	MG	1	3790	1/1	0.99	0.14	48,48,48,48	0
89	OHX	1	3942	7/7	0.99	0.09	107,107,107,107	0
89	OHX	5	3950	7/7	0.99	0.11	105,105,105,105	0
88	MG	5	3865	1/1	0.99	0.08	35,35,35,35	0
88	MG	1	3514	1/1	0.99	0.21	9,9,9,9	0
88	MG	5	3442	1/1	0.99	0.13	20,20,20,20	0
88	MG	8	215	1/1	0.99	0.03	50,50,50,50	0
89	OHX	5	3955	7/7	0.99	0.09	95,95,95,95	0
89	OHX	5	3935	7/7	1.00	0.07	82,82,82,82	0
88	MG	M5	301	1/1	1.00	0.09	20,20,20,20	0
89	OHX	6	2053	7/7	1.00	0.09	73,73,73,73	0
89	OHX	6	2054	7/7	1.00	0.08	80,80,80,80	0
88	MG	1	3834	1/1	1.00	0.04	20,20,20,20	0
89	OHX	1	3884	7/7	1.00	0.08	63,63,63,63	0
89	OHX	8	218	7/7	1.00	0.10	59,59,59,59	0
89	OHX	1	3885	7/7	1.00	0.07	53,53,53,53	0
89	OHX	1	3886	7/7	1.00	0.07	65,65,65,65	0
88	MG	1	3578	1/1	1.00	0.14	0,0,0,0	0
88	MG	5	3826	1/1	1.00	0.05	5,5,5,5	0
89	OHX	2	2027	7/7	1.00	0.08	81,81,81,81	0
88	MG	5	3529	1/1	1.00	0.20	17,17,17,17	0
89	OHX	5	3900	7/7	1.00	0.09	43,43,43,43	0
89	OHX	5	3901	7/7	1.00	0.09	41,41,41,41	0
89	OHX	5	3902	7/7	1.00	0.09	43,43,43,43	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
89	OHX	5	3903	7/7	1.00	0.08	50,50,50,50	0
88	MG	2	1964	1/1	1.00	0.03	34,34,34,34	0
89	OHX	5	3905	7/7	1.00	0.11	51,51,51,51	0
89	OHX	5	3906	7/7	1.00	0.08	57,57,57,57	0
89	OHX	1	3892	7/7	1.00	0.07	68,68,68,68	0
89	OHX	5	3908	7/7	1.00	0.10	61,61,61,61	0
88	MG	1	3796	1/1	1.00	0.02	13,13,13,13	0
89	OHX	5	3910	7/7	1.00	0.08	49,49,49,49	0
88	MG	6	1940	1/1	1.00	0.08	17,17,17,17	0
89	OHX	1	3895	7/7	1.00	0.09	76,76,76,76	0
89	OHX	1	3873	7/7	1.00	0.10	43,43,43,43	0
89	OHX	1	3897	7/7	1.00	0.09	75,75,75,75	0
89	OHX	5	3915	7/7	1.00	0.08	62,62,62,62	0
89	OHX	1	3898	7/7	1.00	0.07	74,74,74,74	0
89	OHX	5	3917	7/7	1.00	0.09	70,70,70,70	0
89	OHX	5	3918	7/7	1.00	0.07	68,68,68,68	0
89	OHX	5	3919	7/7	1.00	0.07	65,65,65,65	0
89	OHX	1	3874	7/7	1.00	0.08	45,45,45,45	0
89	OHX	5	3921	7/7	1.00	0.08	68,68,68,68	0
89	OHX	1	3875	7/7	1.00	0.08	45,45,45,45	0
89	OHX	5	3923	7/7	1.00	0.08	60,60,60,60	0
89	OHX	5	3924	7/7	1.00	0.08	67,67,67,67	0
89	OHX	1	3901	7/7	1.00	0.07	75,75,75,75	0
89	OHX	6	2044	7/7	1.00	0.11	55,55,55,55	0
89	OHX	1	3876	7/7	1.00	0.09	52,52,52,52	0
89	OHX	6	2046	7/7	1.00	0.09	60,60,60,60	0
90	ZN	D6	500	1/1	1.00	0.01	77,77,77,77	0
88	MG	5	3862	1/1	1.00	0.03	22,22,22,22	0
90	ZN	D9	101	1/1	1.00	0.03	66,66,66,66	0
89	OHX	1	3878	7/7	1.00	0.08	52,52,52,52	0
90	ZN	O7	101	1/1	1.00	0.02	33,33,33,33	0
90	ZN	Q0	500	1/1	1.00	0.02	44,44,44,44	0
88	MG	s1	301	1/1	1.00	0.04	22,22,22,22	0
90	ZN	Q3	501	1/1	1.00	0.02	61,61,61,61	0
90	ZN	d6	101	1/1	1.00	0.02	55,55,55,55	0
89	OHX	5	3932	7/7	1.00	0.08	71,71,71,71	0
90	ZN	d9	101	1/1	1.00	0.01	61,61,61,61	0
88	MG	2	2001	1/1	1.00	0.05	33,33,33,33	0
90	ZN	o7	501	1/1	1.00	0.01	40,40,40,40	0
90	ZN	q0	201	1/1	1.00	0.01	41,41,41,41	0
88	MG	5	3853	1/1	1.00	0.03	2,2,2,2	0
90	ZN	q3	501	1/1	1.00	0.01	65,65,65,65	0

6.5 Other polymers [i](#)

There are no such residues in this entry.