



wwPDB X-ray Structure Validation Summary Report ⓘ

Jan 4, 2025 – 10:57 PM EST

PDB ID : 4U3M
Title : Crystal structure of Anisomycin bound to the yeast 80S ribosome
Authors : Garreau de Loubresse, N.; Prokhorova, I.; Yusupova, G.; Yusupov, M.
Deposited on : 2014-07-22
Resolution : 3.00 Å(reported)

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

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

A user guide is available at

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

with specific help available everywhere you see the ⓘ symbol.

The types of validation reports are described at

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

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

MolProbity	:	4.02b-467
Mogul	:	2022.3.0, CSD as543be (2022)
Xtriage (Phenix)	:	1.21
EDS	:	3.0
buster-report	:	1.1.7 (2018)
Percentile statistics	:	20231227.v01 (using entries in the PDB archive December 27th 2023)
CCP4	:	9.0.004 (Gargrove)
Density-Fitness	:	1.0.11
Ideal geometry (proteins)	:	Engh & Huber (2001)
Ideal geometry (DNA, RNA)	:	Parkinson et al. (1996)
Validation Pipeline (wwPDB-VP)	:	2.40

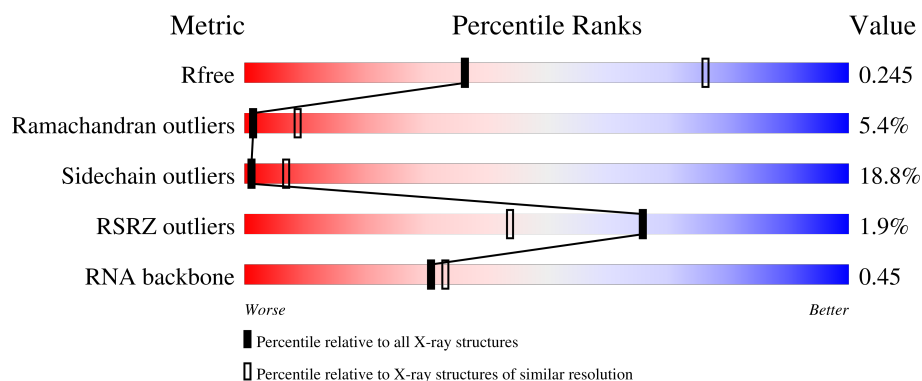
1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

X-RAY DIFFRACTION

The reported resolution of this entry is 3.00 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	2511 (3.00-3.00)
Ramachandran outliers	177936	2778 (3.00-3.00)
Sidechain outliers	177891	2781 (3.00-3.00)
RSRZ outliers	164620	2523 (3.00-3.00)
RNA backbone	3690	1019 (3.20-2.80)

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

Mol	Chain	Length	Quality of chain
1	2	1800	<div> <div>4%</div> <div>64%</div> <div>28%</div> <div>5%</div> <div>.</div> </div>
1	6	1800	<div> <div>62%</div> <div>32%</div> <div>5%</div> </div>
2	S0	251	<div> <div>4%</div> <div>65%</div> <div>16%</div> <div>.</div> <div>18%</div> </div>
2	s0	251	<div> <div>2%</div> <div>62%</div> <div>18%</div> <div>.</div> <div>18%</div> </div>
3	S1	254	<div> <div>5%</div> <div>59%</div> <div>22%</div> <div>.</div> <div>16%</div> </div>

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Mol	Chain	Length	Quality of chain
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	
12	c0	105	
13	C1	155	
13	c1	155	
14	C2	142	
14	c2	142	
15	C3	150	
15	c3	150	



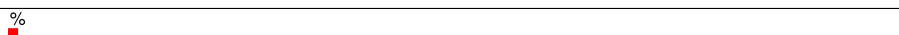
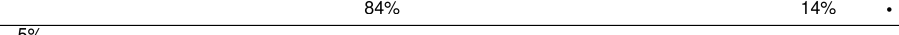


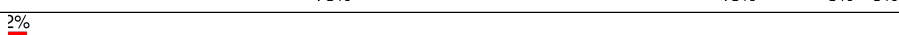



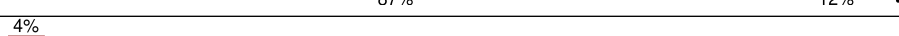


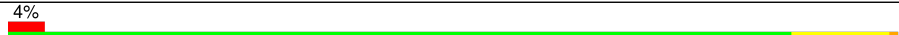
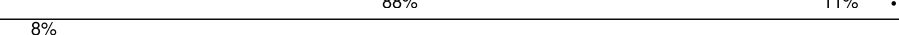
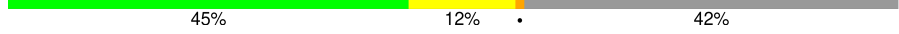


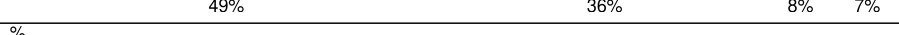
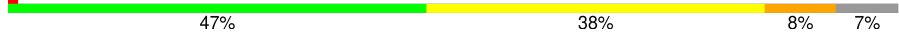

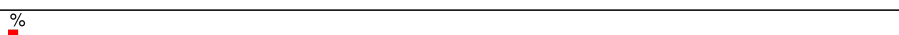



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Mol	Chain	Length	Quality of chain
16	C4	136	
16	c4	136	
17	C5	141	
17	c5	141	
18	C6	142	
18	c6	142	
19	C7	136	
19	c7	136	
20	C8	145	
20	c8	145	
21	C9	143	
21	c9	143	
22	D0	120	
22	d0	120	
23	D1	87	
23	d1	87	
24	D2	129	
24	d2	129	
25	D3	144	
25	d3	144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











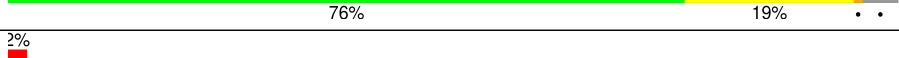
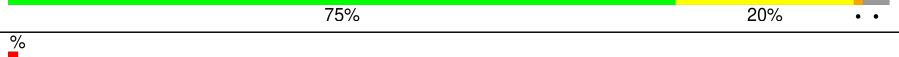
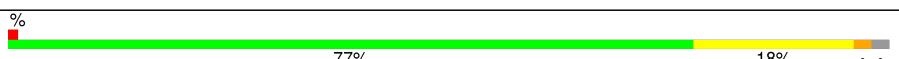
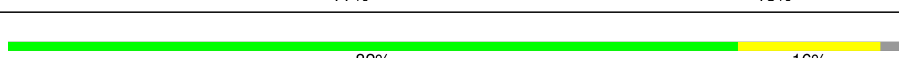





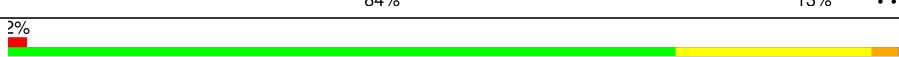


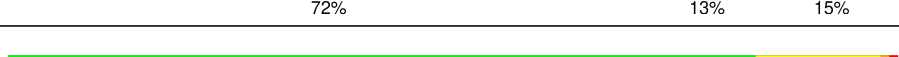
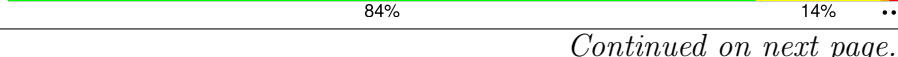

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Mol	Chain	Length	Quality of chain
28	d6	97	
29	D7	81	
29	d7	81	
30	D8	66	
30	d8	66	
31	D9	55	
31	d9	55	
32	E0	60	
33	E1	76	
34	SR	318	
34	sR	318	
35	SM	273	
35	sM	273	
36	1	3396	
36	5	3396	
37	3	121	
37	7	121	
38	4	158	
38	8	158	
39	L2	253	
39	l2	253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



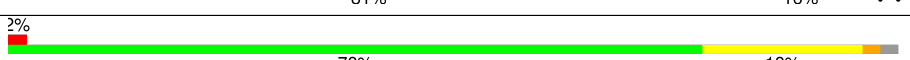
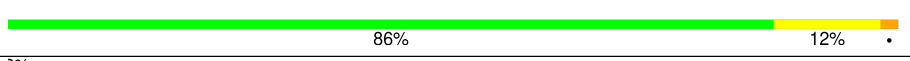
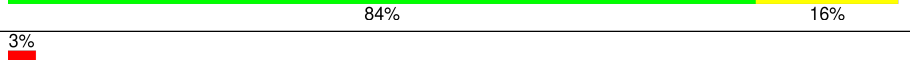
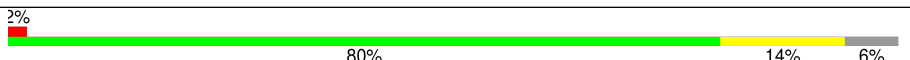
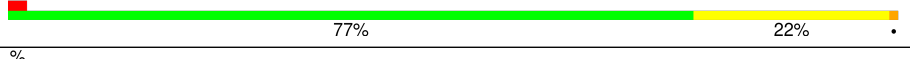
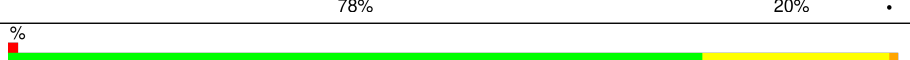

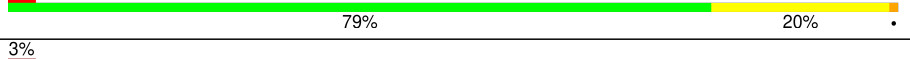

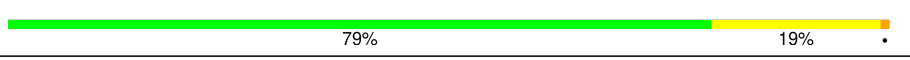
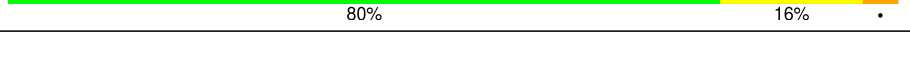

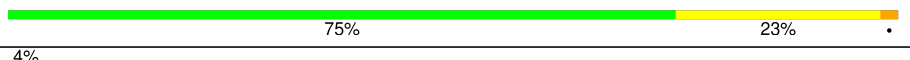
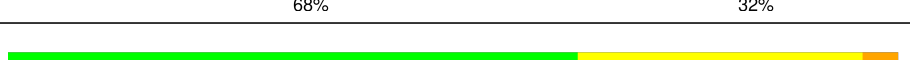





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Mol	Chain	Length	Quality of chain
54	m8	185	
55	M9	188	
55	m9	188	
56	N0	172	
56	n0	172	
57	N1	159	
57	n1	159	
58	N2	120	
58	n2	120	
59	N3	136	
59	n3	136	
60	N4	155	
60	n4	155	
61	N5	141	
61	n5	141	
62	N6	126	
62	n6	126	
63	N7	135	
63	n7	135	
64	N8	148	
64	n8	148	
65	N9	58	
65	n9	58	
66	O0	104	
66	o0	104	

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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	119	
70	o4	119	
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	e0	62	
81	e1	76	
82	m2	160	
83	p0	311	
84	p1	47	
85	p2	46	

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
86	MG	1	3652	-	-	-	X
86	MG	1	3672	-	-	-	X
86	MG	1	3676	-	-	-	X
86	MG	1	3819	-	-	-	X
86	MG	2	1915	-	-	-	X
86	MG	2	1924	-	-	-	X
86	MG	2	1928	-	-	-	X
86	MG	2	1953	-	-	-	X
86	MG	2	1959	-	-	-	X
86	MG	2	1968	-	-	-	X
86	MG	2	1975	-	-	-	X
86	MG	2	1990	-	-	-	X
86	MG	2	2019	-	-	-	X
86	MG	4	222	-	-	-	X
86	MG	5	3790	-	-	-	X
86	MG	5	3887	-	-	-	X
86	MG	5	3891	-	-	-	X
86	MG	6	1924	-	-	-	X
86	MG	6	1933	-	-	-	X
86	MG	6	2026	-	-	-	X
86	MG	6	2036	-	-	-	X
86	MG	6	2037	-	-	-	X
86	MG	6	2042	-	-	-	X

2 Entry composition

There are 89 unique types of molecules in this entry. The entry contains 411204 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 rRNA.

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	S	0	0	0
			1481	951	265	265				
9	s7	186	Total	C	N	O	S	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-B.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
12	C0	96	Total	C	N	O	S	0	0	0
			773	500	126	145	2			
12	c0	96	Total	C	N	O	S	0	0	0
			762	491	125	144	2			

There are 6 discrepancies between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
C0	6	GLU	GLN	conflict	UNP P46784
C0	7	ASP	GLU	conflict	UNP P46784
C0	89	ALA	GLY	conflict	UNP P46784
c0	6	GLU	GLN	conflict	UNP P46784
c0	7	ASP	GLU	conflict	UNP P46784
c0	89	ALA	GLY	conflict	UNP P46784

- 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			
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			

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
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			
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 rRNA.

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 5.8s rRNA.

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 rRNA.

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			
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			

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

- 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			
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		0	0	0
			796	516	131	149				
58	n2	98	Total	C	N	O		0	0	0
			778	505	127	146				

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

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

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

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

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
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 60S ribosomal protein L34-A.

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

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

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

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

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

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

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

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

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

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

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

- Molecule 76 is a protein called 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			

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
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 S30-A.

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

- Molecule 81 is a protein called Ubiquitin-40S ribosomal protein S31.

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

- Molecule 82 is a protein called UNKNOWN PROTEIN m2.

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

- Molecule 83 is a protein called 60S acidic ribosomal protein P0.

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

- Molecule 84 is a protein called UNKNOWN PROTEIN p1.

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

- Molecule 85 is a protein called UNKNOWN PROTEIN p2.

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

- Molecule 86 is MAGNESIUM ION (three-letter code: MG) (formula: Mg).

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
86	2	124	Total	Mg	0	0
			124	124		
86	S2	2	Total	Mg	0	0
			2	2		
86	S8	1	Total	Mg	0	0
			1	1		
86	D3	1	Total	Mg	0	0
			1	1		
86	SM	1	Total	Mg	0	0
			1	1		
86	1	474	Total	Mg	0	0
			474	474		
86	3	14	Total	Mg	0	0
			14	14		
86	4	23	Total	Mg	0	0
			23	23		
86	L2	1	Total	Mg	0	0
			1	1		
86	L3	2	Total	Mg	0	0
			2	2		
86	L4	1	Total	Mg	0	0
			1	1		
86	L5	1	Total	Mg	0	0
			1	1		

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
86	L7	2	Total 2	Mg 2	0	0
86	L8	1	Total 1	Mg 1	0	0
86	M0	2	Total 2	Mg 2	0	0
86	M1	1	Total 1	Mg 1	0	0
86	M3	3	Total 3	Mg 3	0	0
86	M5	2	Total 2	Mg 2	0	0
86	M6	1	Total 1	Mg 1	0	0
86	M7	5	Total 5	Mg 5	0	0
86	M9	1	Total 1	Mg 1	0	0
86	N0	1	Total 1	Mg 1	0	0
86	N3	3	Total 3	Mg 3	0	0
86	N5	1	Total 1	Mg 1	0	0
86	N6	1	Total 1	Mg 1	0	0
86	N8	4	Total 4	Mg 4	0	0
86	O1	1	Total 1	Mg 1	0	0
86	O4	1	Total 1	Mg 1	0	0
86	O7	2	Total 2	Mg 2	0	0
86	Q2	1	Total 1	Mg 1	0	0
86	6	145	Total 145	Mg 145	0	0
86	s1	1	Total 1	Mg 1	0	0
86	s8	2	Total 2	Mg 2	0	0

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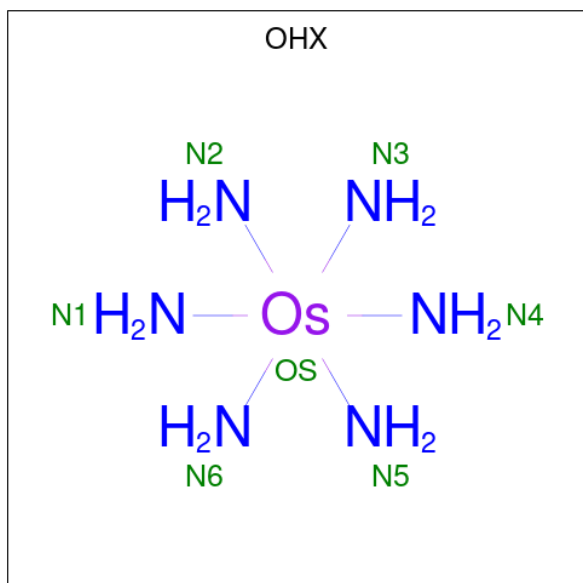
Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
86	c1	2	Total 2	Mg 2	0	0
86	c7	2	Total 2	Mg 2	0	0
86	c8	1	Total 1	Mg 1	0	0
86	c9	1	Total 1	Mg 1	0	0
86	d3	2	Total 2	Mg 2	0	0
86	d4	1	Total 1	Mg 1	0	0
86	d6	1	Total 1	Mg 1	0	0
86	sM	2	Total 2	Mg 2	0	0
86	5	507	Total 507	Mg 507	0	0
86	7	15	Total 15	Mg 15	0	0
86	8	12	Total 12	Mg 12	0	0
86	l2	2	Total 2	Mg 2	0	0
86	l3	2	Total 2	Mg 2	0	0
86	l4	1	Total 1	Mg 1	0	0
86	l5	3	Total 3	Mg 3	0	0
86	l7	1	Total 1	Mg 1	0	0
86	m1	1	Total 1	Mg 1	0	0
86	m5	4	Total 4	Mg 4	0	0
86	m6	1	Total 1	Mg 1	0	0
86	m7	5	Total 5	Mg 5	0	0
86	n0	2	Total 2	Mg 2	0	0

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
86	n3	2	Total 2	Mg 2	0	0
86	n6	2	Total 2	Mg 2	0	0
86	n8	4	Total 4	Mg 4	0	0
86	n9	1	Total 1	Mg 1	0	0
86	o1	2	Total 2	Mg 2	0	0
86	o3	1	Total 1	Mg 1	0	0
86	o4	1	Total 1	Mg 1	0	0
86	q0	1	Total 1	Mg 1	0	0
86	q1	1	Total 1	Mg 1	0	0
86	q3	1	Total 1	Mg 1	0	0

- Molecule 87 is osmium (III) hexammine (three-letter code: OHX) (formula: $\text{H}_{12}\text{N}_6\text{Os}$).



Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
87	2	1	Total 7	N 6	Os 1	0	0

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
87	2	1	Total	N	Os	0	0
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87	2	1	Total	N	Os	0	0
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87	2	1	Total	N	Os	0	0
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87	2	1	Total	N	Os	0	0
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87	2	1	Total	N	Os	0	0
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87	2	1	Total	N	Os	0	0
			7	6	1		
87	2	1	Total	N	Os	0	0
			7	6	1		

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
87	2	1	Total	N	Os	0	0
			7	6	1		
87	2	1	Total	N	Os	0	0
			7	6	1		
87	2	1	Total	N	Os	0	0
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87	2	1	Total	N	Os	0	0
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87	2	1	Total	N	Os	0	0
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87	2	1	Total	N	Os	0	0
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87	2	1	Total	N	Os	0	0
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87	2	1	Total	N	Os	0	0
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87	2	1	Total	N	Os	0	0
			7	6	1		
87	2	1	Total	N	Os	0	0
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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
87	2	1	Total	N	Os	0	0
			7	6	1		
87	2	1	Total	N	Os	0	0
			7	6	1		
87	2	1	Total	N	Os	0	0
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87	2	1	Total	N	Os	0	0
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87	2	1	Total	N	Os	0	0
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87	2	1	Total	N	Os	0	0
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87	2	1	Total	N	Os	0	0
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			7	6	1		
87	2	1	Total	N	Os	0	0
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87	2	1	Total	N	Os	0	0
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87	2	1	Total	N	Os	0	0
			7	6	1		
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			7	6	1		
87	2	1	Total	N	Os	0	0
			7	6	1		
87	2	1	Total	N	Os	0	0
			7	6	1		

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
87	2	1	Total	N	Os	0	0
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87	2	1	Total	N	Os	0	0
			7	6	1		
87	2	1	Total	N	Os	0	0
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87	2	1	Total	N	Os	0	0
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87	2	1	Total	N	Os	0	0
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87	2	1	Total	N	Os	0	0
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87	2	1	Total	N	Os	0	0
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87	2	1	Total	N	Os	0	0
			7	6	1		
87	2	1	Total	N	Os	0	0
			7	6	1		

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
87	2	1	Total	N	Os	0	0
			7	6	1		
87	2	1	Total	N	Os	0	0
			7	6	1		
87	2	1	Total	N	Os	0	0
			7	6	1		
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87	2	1	Total	N	Os	0	0
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87	2	1	Total	N	Os	0	0
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87	2	1	Total	N	Os	0	0
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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
87	2	1	Total	N	Os	0	0
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87	2	1	Total	N	Os	0	0
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87	2	1	Total	N	Os	0	0
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87	2	1	Total	N	Os	0	0
			7	6	1		
87	2	1	Total	N	Os	0	0
			7	6	1		

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
87	2	1	Total	N	Os	0	0
			7	6	1		
87	2	1	Total	N	Os	0	0
			7	6	1		
87	2	1	Total	N	Os	0	0
			7	6	1		
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87	2	1	Total	N	Os	0	0
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87	2	1	Total	N	Os	0	0
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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
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			7	6	1		
87	C5	1	Total	N	Os	0	0
			7	6	1		
87	C8	1	Total	N	Os	0	0
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87	D9	1	Total	N	Os	0	0
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87	1	1	Total	N	Os	0	0
			7	6	1		
87	1	1	Total	N	Os	0	0
			7	6	1		

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
87	1	1	Total	N	Os	0	0
			7	6	1		
87	1	1	Total	N	Os	0	0
			7	6	1		
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87	1	1	Total	N	Os	0	0
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87	1	1	Total	N	Os	0	0
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87	1	1	Total	N	Os	0	0
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87	1	1	Total	N	Os	0	0
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87	1	1	Total	N	Os	0	0
			7	6	1		

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
87	1	1	Total	N	Os	0	0
			7	6	1		
87	1	1	Total	N	Os	0	0
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87	1	1	Total	N	Os	0	0
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87	1	1	Total	N	Os	0	0
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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
87	1	1	Total	N	Os	0	0
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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
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87	1	1	Total	N	Os	0	0
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87	1	1	Total	N	Os	0	0
			7	6	1		
87	1	1	Total	N	Os	0	0
			7	6	1		

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
87	1	1	Total	N	Os	0	0
			7	6	1		
87	1	1	Total	N	Os	0	0
			7	6	1		
87	1	1	Total	N	Os	0	0
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87	1	1	Total	N	Os	0	0
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87	1	1	Total	N	Os	0	0
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87	1	1	Total	N	Os	0	0
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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
87	1	1	Total	N	Os	0	0
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87	1	1	Total	N	Os	0	0
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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
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87	1	1	Total	N	Os	0	0
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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
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87	1	1	Total	N	Os	0	0
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87	1	1	Total	N	Os	0	0
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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
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87	1	1	Total	N	Os	0	0
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87	1	1	Total	N	Os	0	0
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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
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87	1	1	Total	N	Os	0	0
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87	1	1	Total	N	Os	0	0
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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
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87	1	1	Total	N	Os	0	0
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87	1	1	Total	N	Os	0	0
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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
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87	1	1	Total	N	Os	0	0
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87	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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87	1	1	Total	N	Os	0	0
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87	1	1	Total	N	Os	0	0
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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
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87	1	1	Total	N	Os	0	0
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87	1	1	Total	N	Os	0	0
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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
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87	3	1	Total	N	Os	0	0
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87	3	1	Total	N	Os	0	0
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87	3	1	Total	N	Os	0	0
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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
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87	4	1	Total	N	Os	0	0
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87	4	1	Total	N	Os	0	0
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87	L3	1	Total	N	Os	0	0
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87	L3	1	Total	N	Os	0	0
			7	6	1		
87	L4	1	Total	N	Os	0	0
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87	M0	1	Total	N	Os	0	0
			7	6	1		
87	M5	1	Total	N	Os	0	0
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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
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87	M7	1	Total	N	Os	0	0
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87	M7	1	Total	N	Os	0	0
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87	M8	1	Total	N	Os	0	0
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87	M9	1	Total	N	Os	0	0
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87	N9	1	Total	N	Os	0	0
			7	6	1		
87	O1	1	Total	N	Os	0	0
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87	O2	1	Total	N	Os	0	0
			7	6	1		
87	O3	1	Total	N	Os	0	0
			7	6	1		
87	O7	1	Total	N	Os	0	0
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87	Q2	1	Total	N	Os	0	0
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87	6	1	Total	N	Os	0	0
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87	6	1	Total	N	Os	0	0
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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
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87	6	1	Total	N	Os	0	0
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87	6	1	Total	N	Os	0	0
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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
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87	6	1	Total	N	Os	0	0
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87	6	1	Total	N	Os	0	0
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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
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87	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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			7	6	1		
87	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		
87	5	1	Total	N	Os	0	0
			7	6	1		
87	5	1	Total	N	Os	0	0
			7	6	1		
87	5	1	Total	N	Os	0	0
			7	6	1		
87	5	1	Total	N	Os	0	0
			7	6	1		
87	5	1	Total	N	Os	0	0
			7	6	1		
87	5	1	Total	N	Os	0	0
			7	6	1		
87	5	1	Total	N	Os	0	0
			7	6	1		
87	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		
87	5	1	Total	N	Os	0	0
			7	6	1		
87	5	1	Total	N	Os	0	0
			7	6	1		
87	5	1	Total	N	Os	0	0
			7	6	1		
87	5	1	Total	N	Os	0	0
			7	6	1		
87	5	1	Total	N	Os	0	0
			7	6	1		
87	5	1	Total	N	Os	0	0
			7	6	1		
87	5	1	Total	N	Os	0	0
			7	6	1		
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			7	6	1		
87	5	1	Total	N	Os	0	0
			7	6	1		
87	5	1	Total	N	Os	0	0
			7	6	1		
87	5	1	Total	N	Os	0	0
			7	6	1		
87	5	1	Total	N	Os	0	0
			7	6	1		
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			7	6	1		
87	5	1	Total	N	Os	0	0
			7	6	1		
87	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		
87	5	1	Total	N	Os	0	0
			7	6	1		
87	5	1	Total	N	Os	0	0
			7	6	1		
87	5	1	Total	N	Os	0	0
			7	6	1		
87	5	1	Total	N	Os	0	0
			7	6	1		
87	5	1	Total	N	Os	0	0
			7	6	1		
87	5	1	Total	N	Os	0	0
			7	6	1		
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			7	6	1		
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			7	6	1		
87	5	1	Total	N	Os	0	0
			7	6	1		
87	5	1	Total	N	Os	0	0
			7	6	1		
87	5	1	Total	N	Os	0	0
			7	6	1		
87	5	1	Total	N	Os	0	0
			7	6	1		
87	5	1	Total	N	Os	0	0
			7	6	1		
87	5	1	Total	N	Os	0	0
			7	6	1		
87	5	1	Total	N	Os	0	0
			7	6	1		

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
87	5	1	Total	N	Os	0	0
			7	6	1		
87	5	1	Total	N	Os	0	0
			7	6	1		
87	5	1	Total	N	Os	0	0
			7	6	1		
87	5	1	Total	N	Os	0	0
			7	6	1		
87	5	1	Total	N	Os	0	0
			7	6	1		
87	5	1	Total	N	Os	0	0
			7	6	1		
87	5	1	Total	N	Os	0	0
			7	6	1		
87	5	1	Total	N	Os	0	0
			7	6	1		
87	5	1	Total	N	Os	0	0
			7	6	1		
87	5	1	Total	N	Os	0	0
			7	6	1		
87	5	1	Total	N	Os	0	0
			7	6	1		
87	5	1	Total	N	Os	0	0
			7	6	1		
87	5	1	Total	N	Os	0	0
			7	6	1		
87	5	1	Total	N	Os	0	0
			7	6	1		
87	5	1	Total	N	Os	0	0
			7	6	1		
87	5	1	Total	N	Os	0	0
			7	6	1		
87	5	1	Total	N	Os	0	0
			7	6	1		
87	5	1	Total	N	Os	0	0
			7	6	1		

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
87	5	1	Total	N	Os	0	0
			7	6	1		
87	5	1	Total	N	Os	0	0
			7	6	1		
87	5	1	Total	N	Os	0	0
			7	6	1		
87	5	1	Total	N	Os	0	0
			7	6	1		
87	5	1	Total	N	Os	0	0
			7	6	1		
87	5	1	Total	N	Os	0	0
			7	6	1		
87	5	1	Total	N	Os	0	0
			7	6	1		
87	5	1	Total	N	Os	0	0
			7	6	1		
87	5	1	Total	N	Os	0	0
			7	6	1		
87	5	1	Total	N	Os	0	0
			7	6	1		
87	5	1	Total	N	Os	0	0
			7	6	1		
87	5	1	Total	N	Os	0	0
			7	6	1		
87	5	1	Total	N	Os	0	0
			7	6	1		
87	5	1	Total	N	Os	0	0
			7	6	1		
87	5	1	Total	N	Os	0	0
			7	6	1		
87	5	1	Total	N	Os	0	0
			7	6	1		
87	5	1	Total	N	Os	0	0
			7	6	1		

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
87	5	1	Total	N	Os	0	0
			7	6	1		
87	5	1	Total	N	Os	0	0
			7	6	1		
87	5	1	Total	N	Os	0	0
			7	6	1		
87	5	1	Total	N	Os	0	0
			7	6	1		
87	5	1	Total	N	Os	0	0
			7	6	1		
87	5	1	Total	N	Os	0	0
			7	6	1		
87	5	1	Total	N	Os	0	0
			7	6	1		
87	5	1	Total	N	Os	0	0
			7	6	1		
87	5	1	Total	N	Os	0	0
			7	6	1		
87	5	1	Total	N	Os	0	0
			7	6	1		
87	5	1	Total	N	Os	0	0
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87	5	1	Total	N	Os	0	0
			7	6	1		
87	5	1	Total	N	Os	0	0
			7	6	1		
87	5	1	Total	N	Os	0	0
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87	5	1	Total	N	Os	0	0
			7	6	1		
87	5	1	Total	N	Os	0	0
			7	6	1		
87	5	1	Total	N	Os	0	0
			7	6	1		

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
87	5	1	Total	N	Os	0	0
			7	6	1		
87	5	1	Total	N	Os	0	0
			7	6	1		
87	5	1	Total	N	Os	0	0
			7	6	1		
87	5	1	Total	N	Os	0	0
			7	6	1		
87	5	1	Total	N	Os	0	0
			7	6	1		
87	5	1	Total	N	Os	0	0
			7	6	1		
87	5	1	Total	N	Os	0	0
			7	6	1		
87	5	1	Total	N	Os	0	0
			7	6	1		
87	5	1	Total	N	Os	0	0
			7	6	1		
87	5	1	Total	N	Os	0	0
			7	6	1		
87	7	1	Total	N	Os	0	0
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			7	6	1		
87	7	1	Total	N	Os	0	0
			7	6	1		
87	7	1	Total	N	Os	0	0
			7	6	1		
87	7	1	Total	N	Os	0	0
			7	6	1		
87	7	1	Total	N	Os	0	0
			7	6	1		

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
87	7	1	Total	N	Os	0	0
			7	6	1		
87	7	1	Total	N	Os	0	0
			7	6	1		
87	7	1	Total	N	Os	0	0
			7	6	1		
87	8	1	Total	N	Os	0	0
			7	6	1		
87	8	1	Total	N	Os	0	0
			7	6	1		
87	8	1	Total	N	Os	0	0
			7	6	1		
87	8	1	Total	N	Os	0	0
			7	6	1		
87	8	1	Total	N	Os	0	0
			7	6	1		
87	8	1	Total	N	Os	0	0
			7	6	1		
87	8	1	Total	N	Os	0	0
			7	6	1		
87	8	1	Total	N	Os	0	0
			7	6	1		
87	8	1	Total	N	Os	0	0
			7	6	1		
87	8	1	Total	N	Os	0	0
			7	6	1		
87	8	1	Total	N	Os	0	0
			7	6	1		
87	13	1	Total	N	Os	0	0
			7	6	1		
87	13	1	Total	N	Os	0	0
			7	6	1		
87	14	1	Total	N	Os	0	0
			7	6	1		
87	14	1	Total	N	Os	0	0
			7	6	1		

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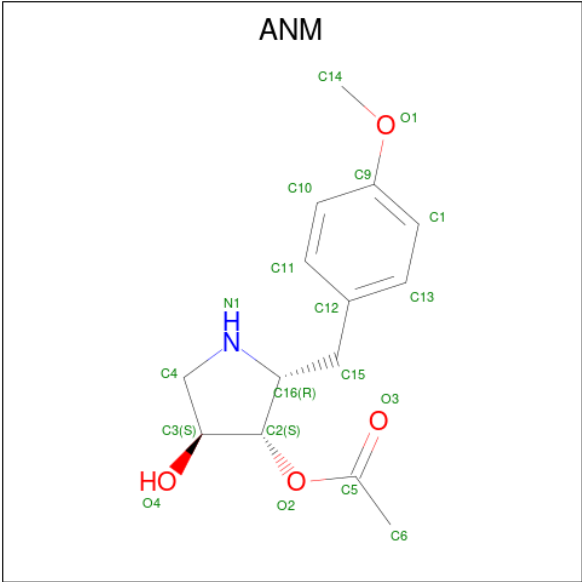
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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
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			7	6	1		
87	l5	1	Total	N	Os	0	0
			7	6	1		
87	l5	1	Total	N	Os	0	0
			7	6	1		
87	l9	1	Total	N	Os	0	0
			7	6	1		
87	m0	1	Total	N	Os	0	0
			7	6	1		
87	m0	1	Total	N	Os	0	0
			7	6	1		
87	m1	1	Total	N	Os	0	0
			7	6	1		
87	m4	1	Total	N	Os	0	0
			7	6	1		
87	m5	1	Total	N	Os	0	0
			7	6	1		
87	m6	1	Total	N	Os	0	0
			7	6	1		
87	m7	1	Total	N	Os	0	0
			7	6	1		
87	m8	1	Total	N	Os	0	0
			7	6	1		
87	n3	1	Total	N	Os	0	0
			7	6	1		
87	n9	1	Total	N	Os	0	0
			7	6	1		
87	o2	1	Total	N	Os	0	0
			7	6	1		
87	o3	1	Total	N	Os	0	0
			7	6	1		
87	o7	1	Total	N	Os	0	0
			7	6	1		
87	o9	1	Total	N	Os	0	0
			7	6	1		
87	q2	1	Total	N	Os	0	0
			7	6	1		

- Molecule 88 is ZINC ION (three-letter code: ZN) (formula: Zn).

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
88	D6	1	Total 1	Zn 1	0	0
88	D7	1	Total 1	Zn 1	0	0
88	D9	1	Total 1	Zn 1	0	0
88	E1	1	Total 1	Zn 1	0	0
88	O7	1	Total 1	Zn 1	0	0
88	Q0	1	Total 1	Zn 1	0	0
88	Q2	1	Total 1	Zn 1	0	0
88	Q3	1	Total 1	Zn 1	0	0
88	d6	1	Total 1	Zn 1	0	0
88	d7	1	Total 1	Zn 1	0	0
88	d9	1	Total 1	Zn 1	0	0
88	e1	1	Total 1	Zn 1	0	0
88	o7	1	Total 1	Zn 1	0	0
88	q0	1	Total 1	Zn 1	0	0
88	q2	1	Total 1	Zn 1	0	0
88	q3	1	Total 1	Zn 1	0	0

- Molecule 89 is ANISOMYCIN (three-letter code: ANM) (formula: C₁₄H₁₉NO₄).

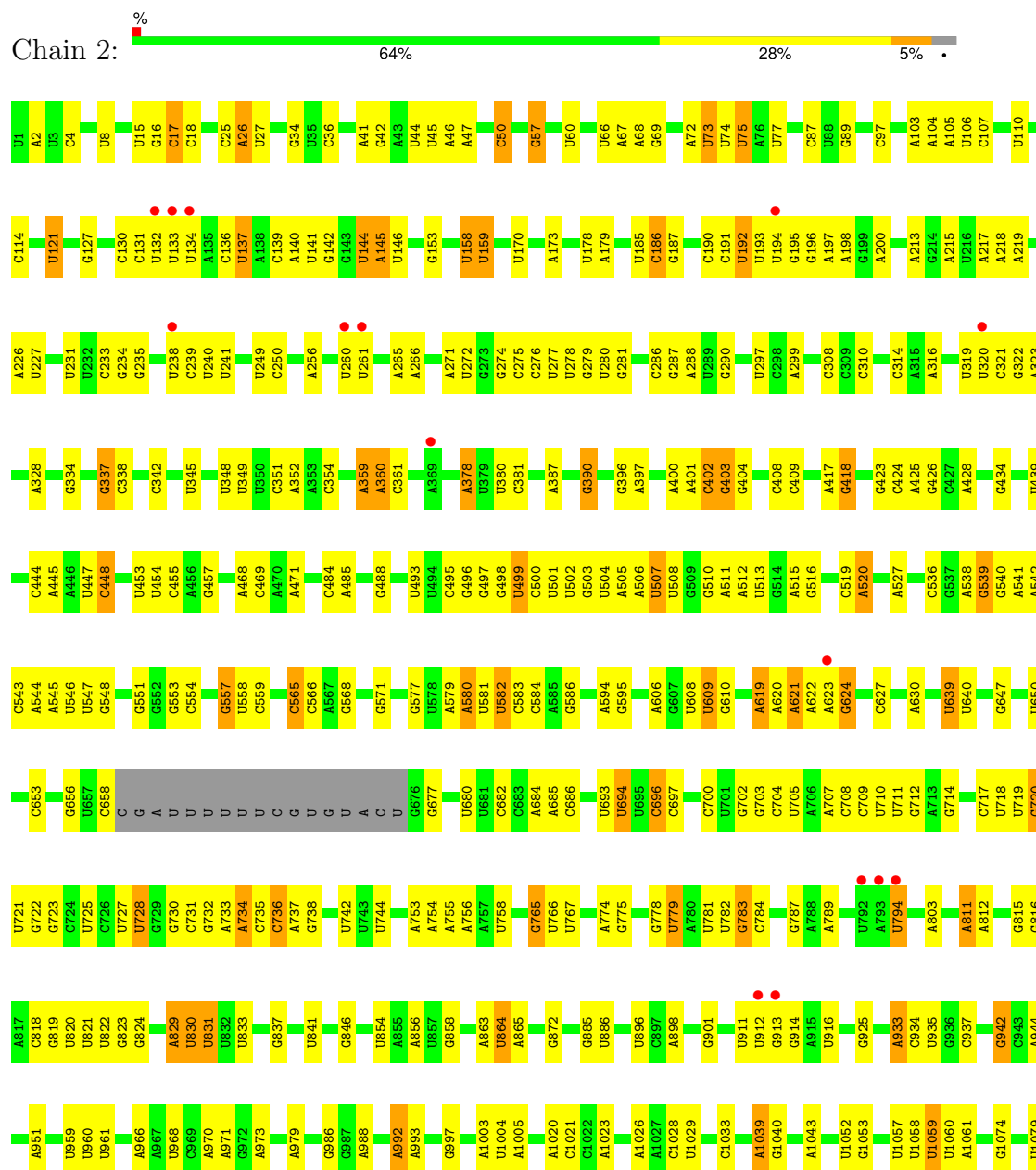


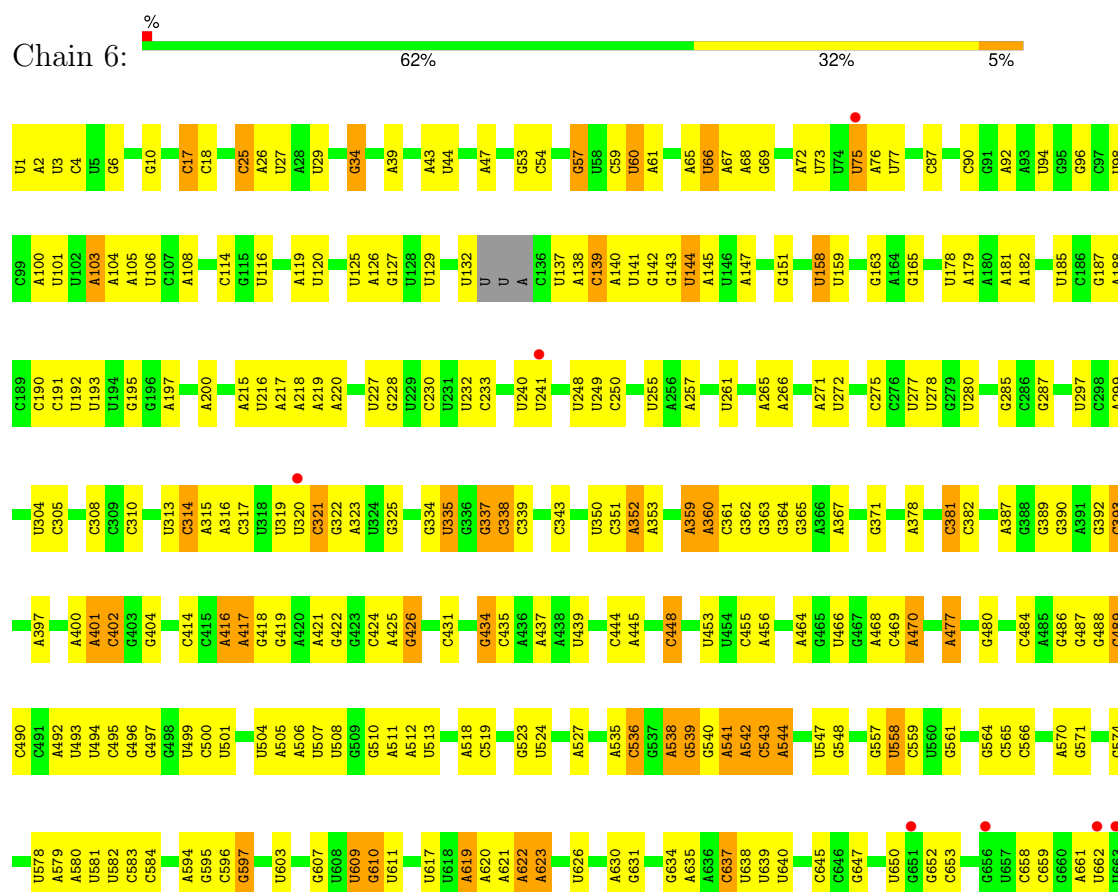
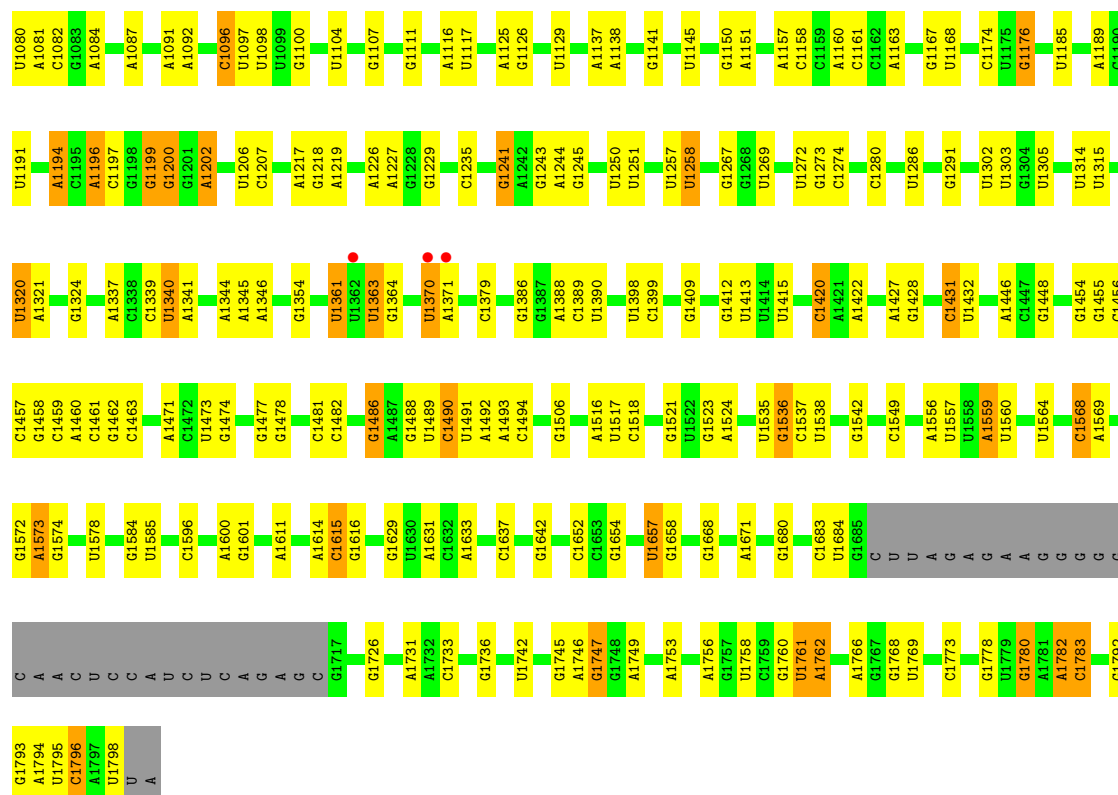
Mol	Chain	Residues	Atoms				ZeroOcc	AltConf
89	1	1	Total	C	N	O	0	0
			19	14	1	4		
89	5	1	Total	C	N	O	0	0
			19	14	1	4		

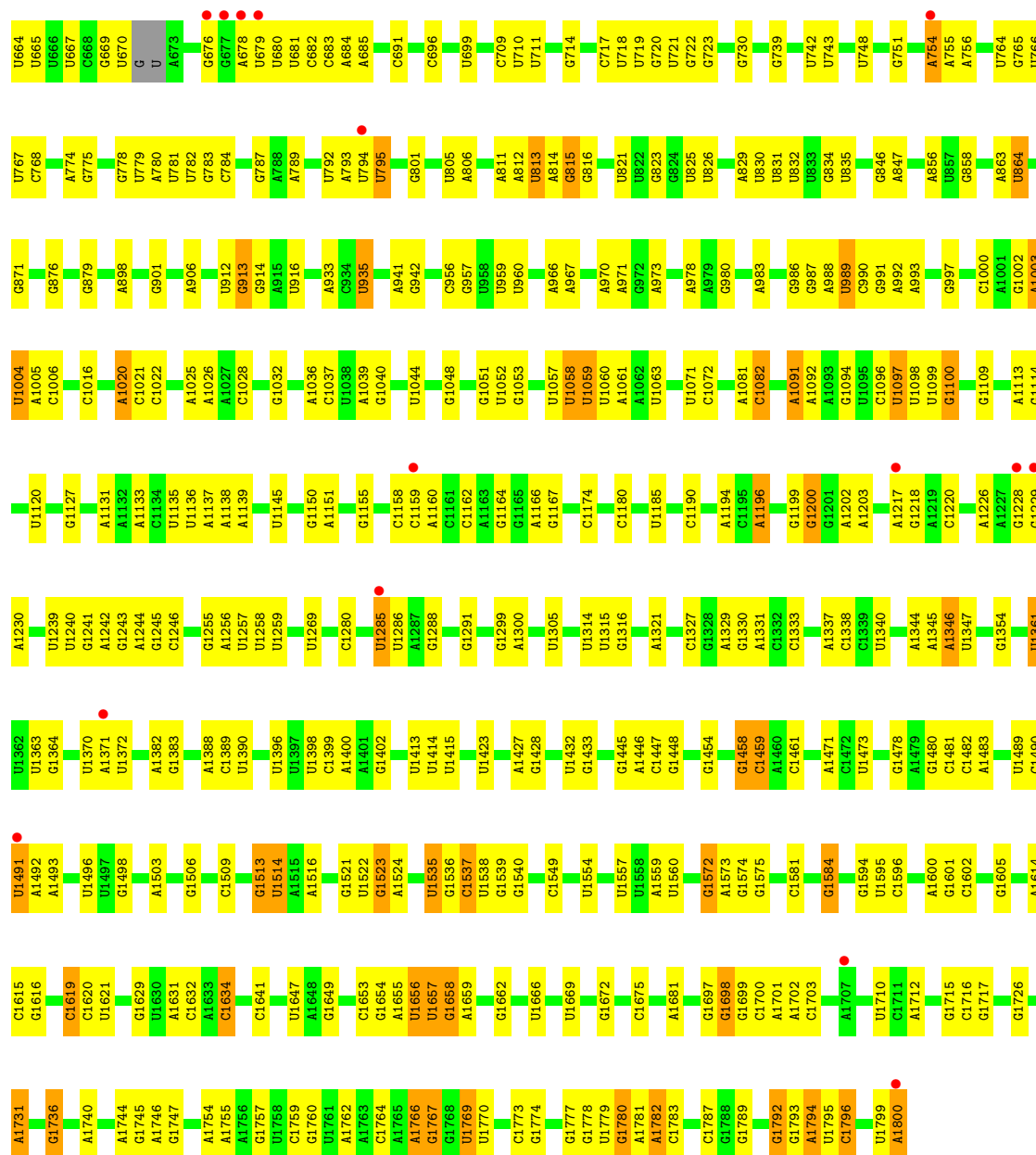
3 Residue-property plots

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.

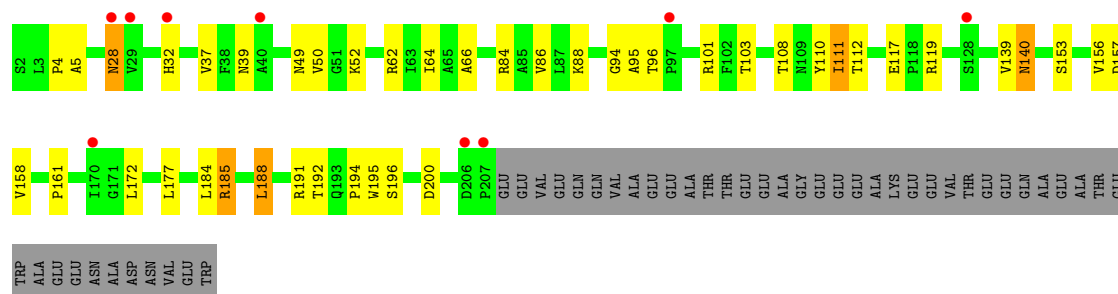
• Molecule 1: 18S rRNA



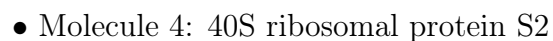




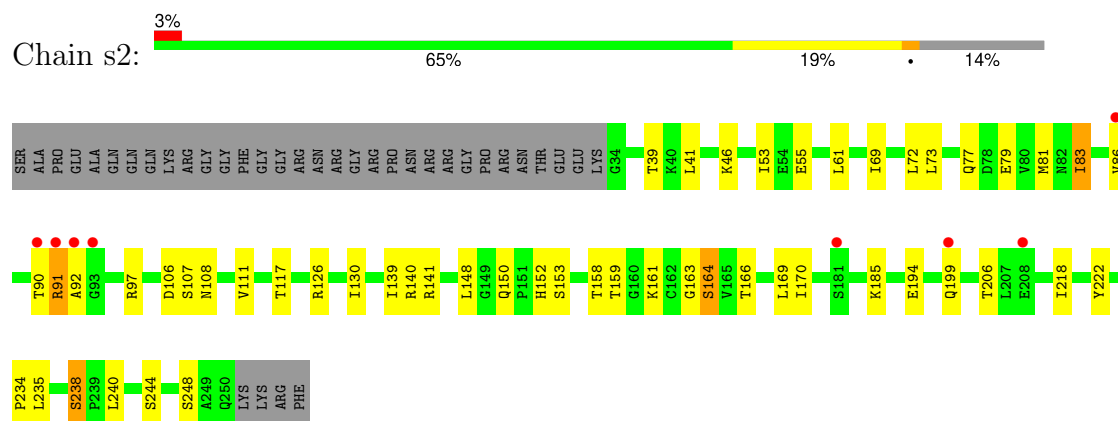
• Molecule 2: 40S ribosomal protein S0-A



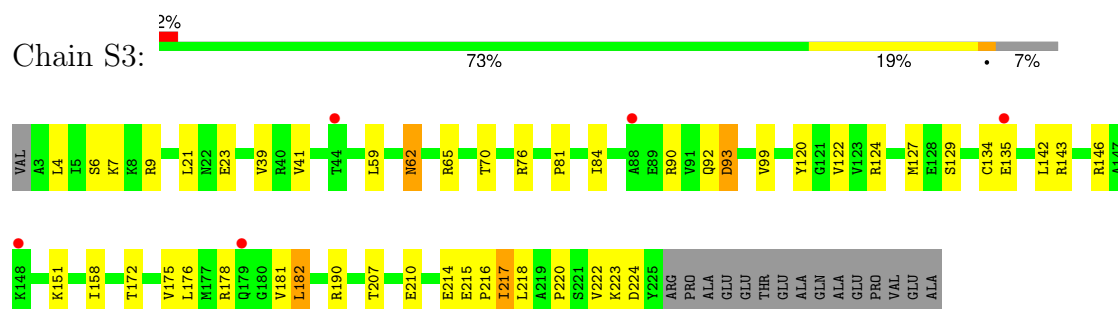
• Molecule 2: 40S ribosomal protein S0-A



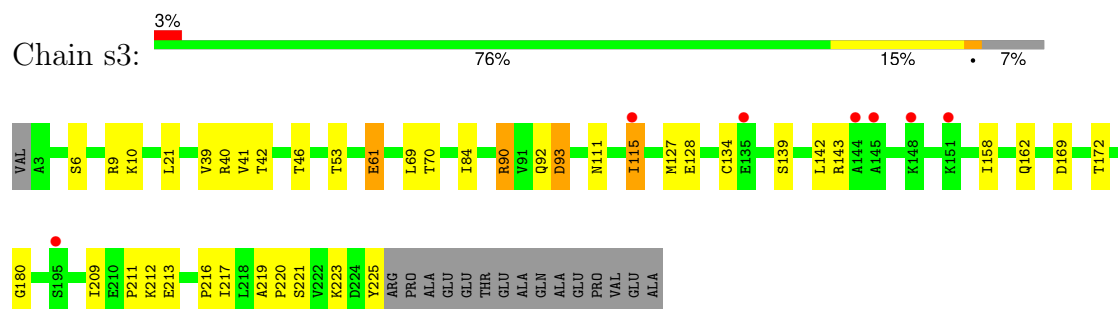
- Molecule 4: 40S ribosomal protein S2



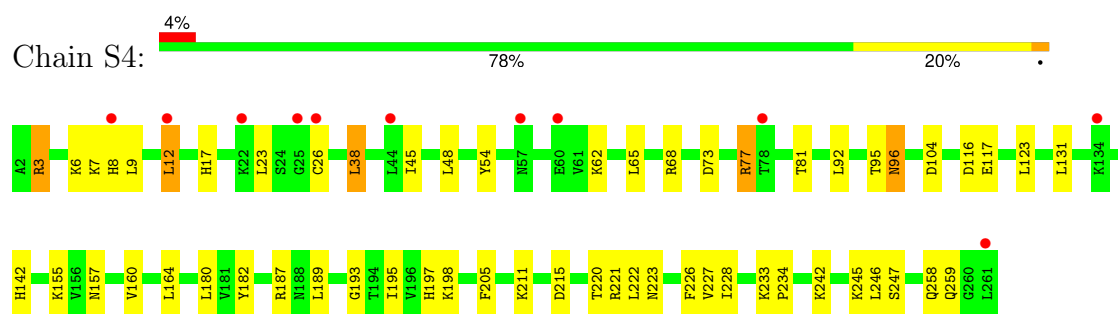
- Molecule 5: 40S ribosomal protein S3



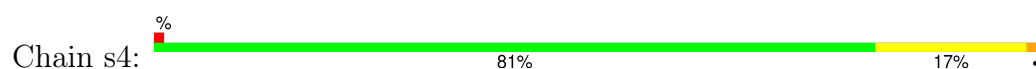
- Molecule 5: 40S ribosomal protein S3

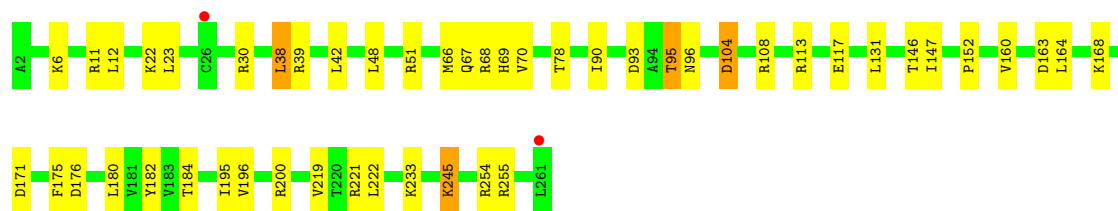


- Molecule 6: 40S ribosomal protein S4-A

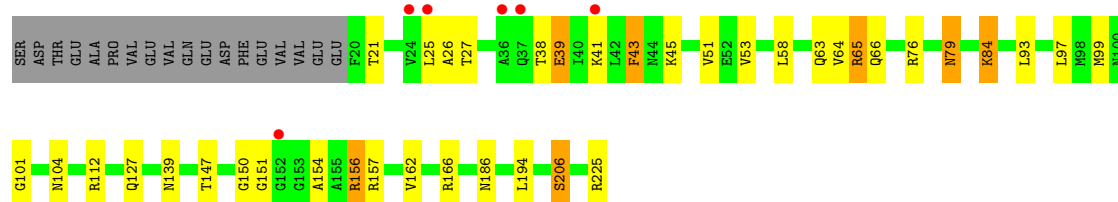
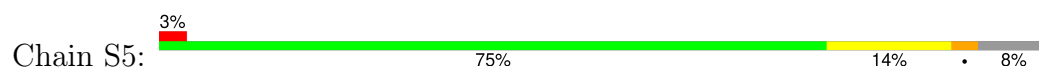


- Molecule 6: 40S ribosomal protein S4-A

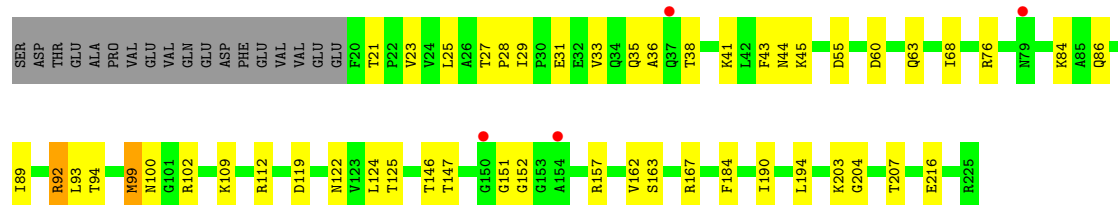




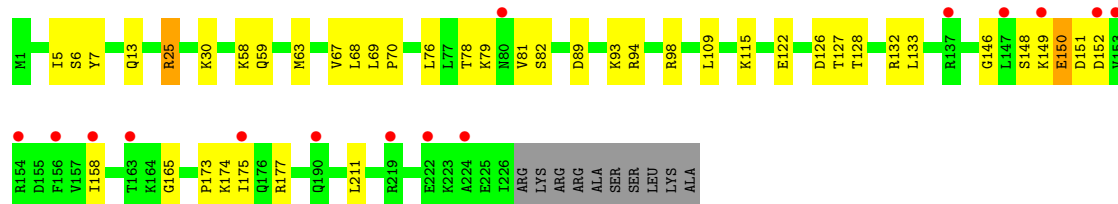
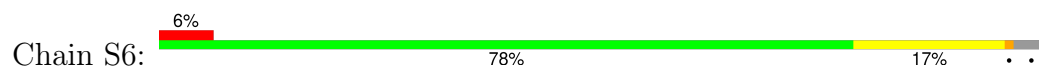
• Molecule 7: 40S ribosomal protein S5



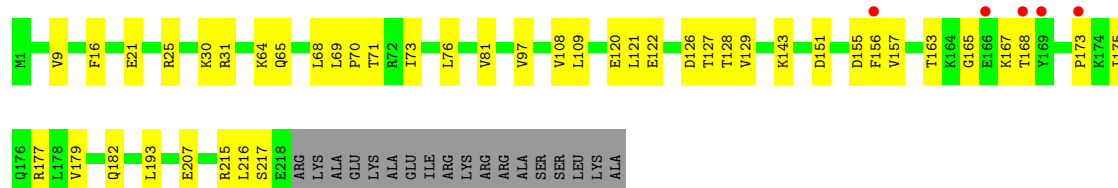
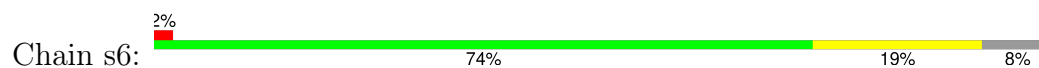
• Molecule 7: 40S ribosomal protein S5



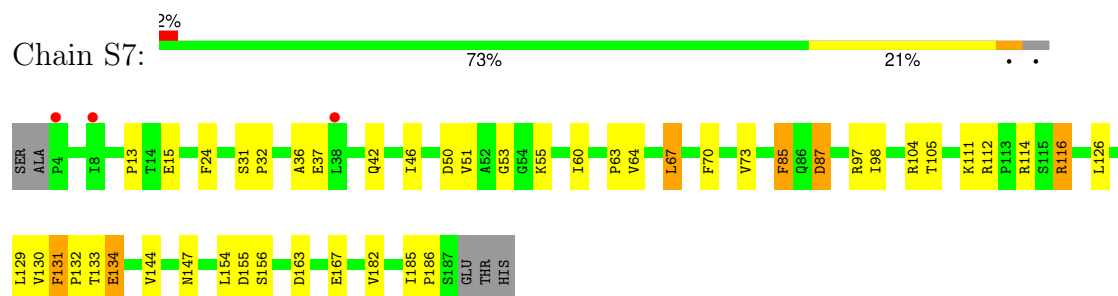
• Molecule 8: 40S ribosomal protein S6-A



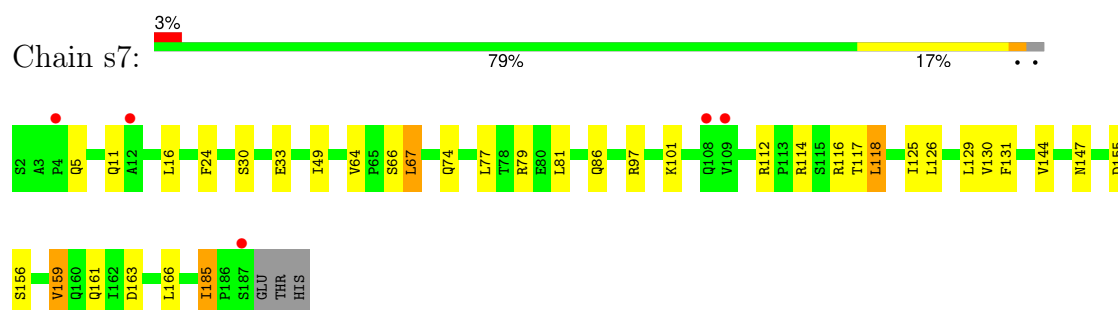
• Molecule 8: 40S ribosomal protein S6-A



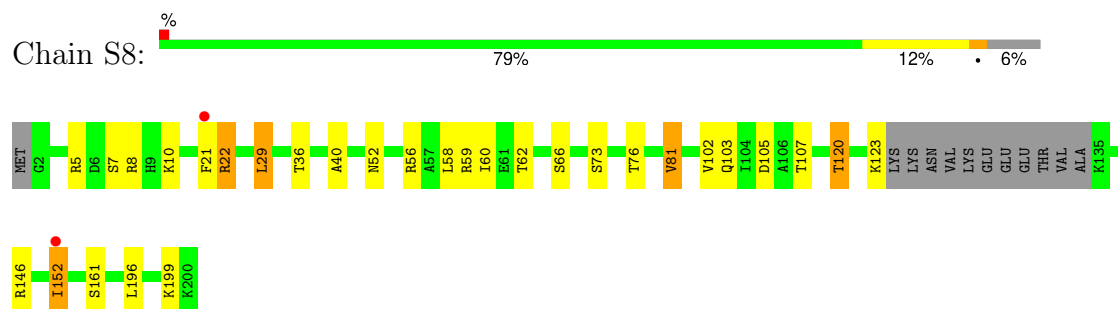
- Molecule 9: 40S ribosomal protein S7-A



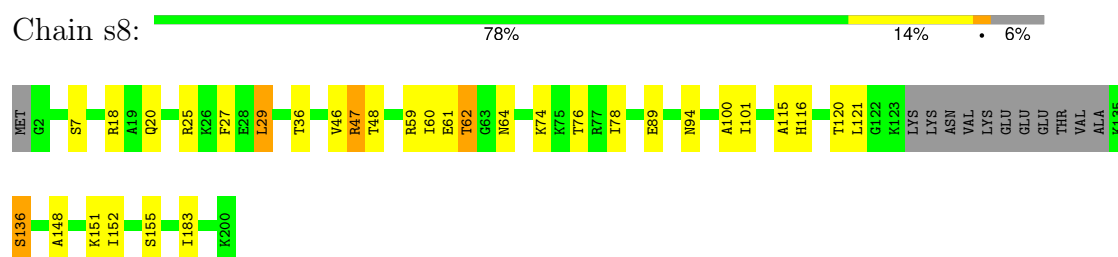
- Molecule 9: 40S ribosomal protein S7-A



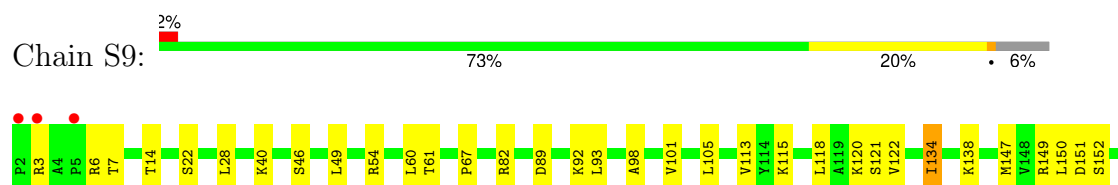
- Molecule 10: 40S ribosomal protein S8-A



- Molecule 10: 40S ribosomal protein S8-A

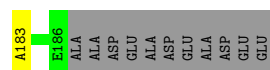
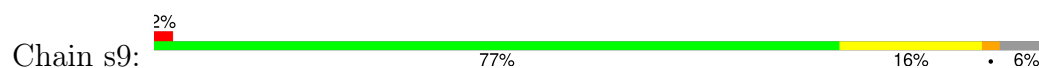


- Molecule 11: 40S ribosomal protein S9-A

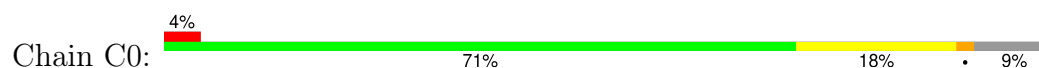




- Molecule 11: 40S ribosomal protein S9-A



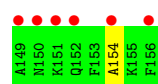
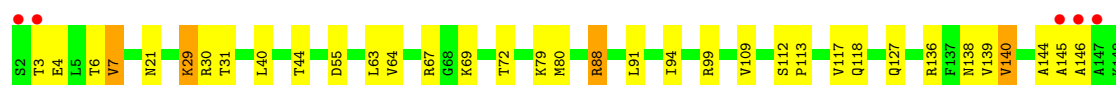
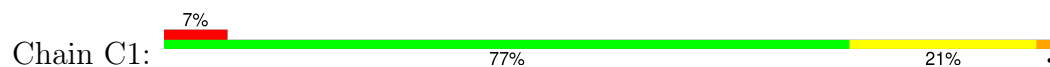
- Molecule 12: 40S ribosomal protein S10-B



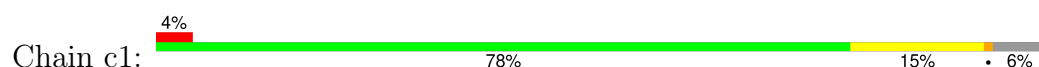
- Molecule 12: 40S ribosomal protein S10-B



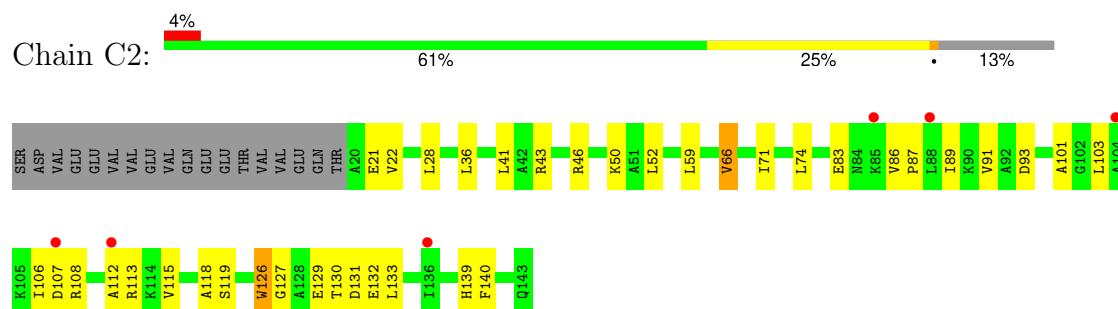
- Molecule 13: 40S ribosomal protein S11-A



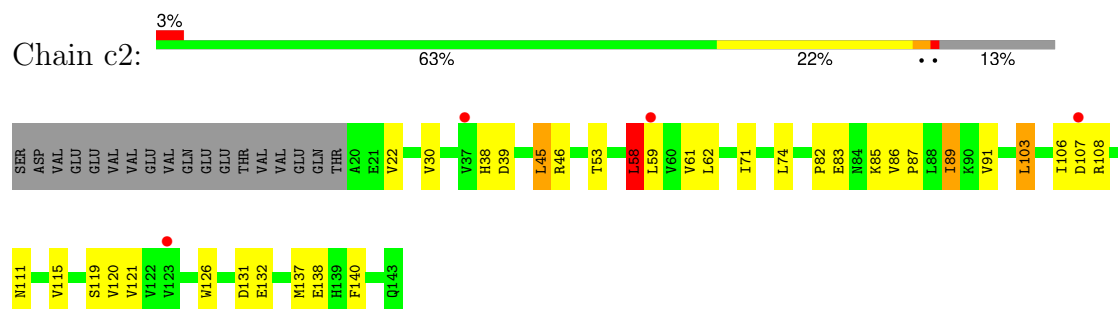
- Molecule 13: 40S ribosomal protein S11-A



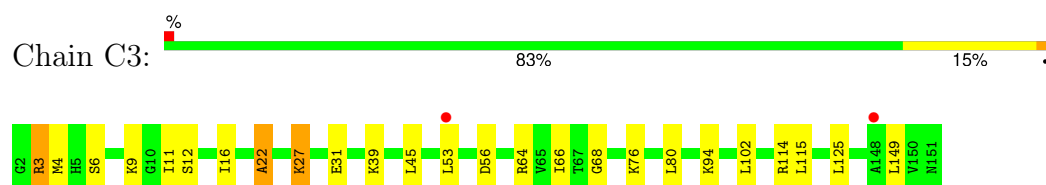
- Molecule 14: 40S ribosomal protein S12



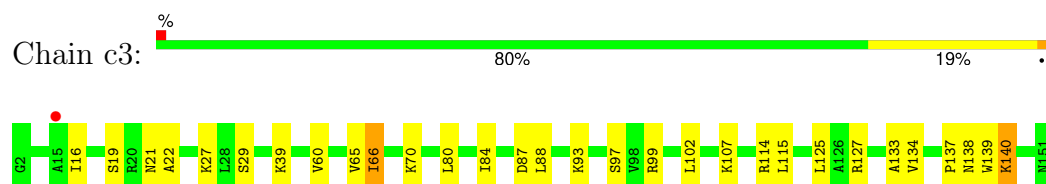
- Molecule 14: 40S ribosomal protein S12



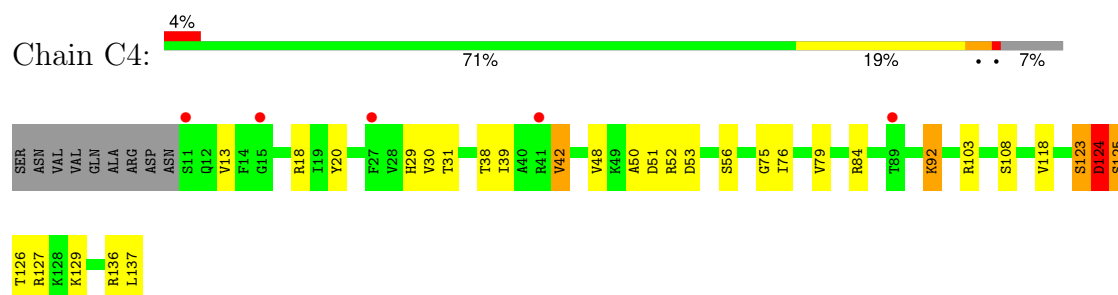
- Molecule 15: 40S ribosomal protein S13



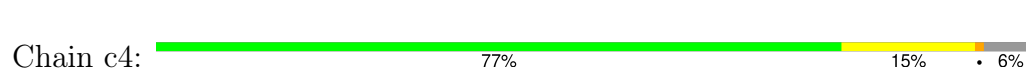
- Molecule 15: 40S ribosomal protein S13



- Molecule 16: 40S ribosomal protein S14-A

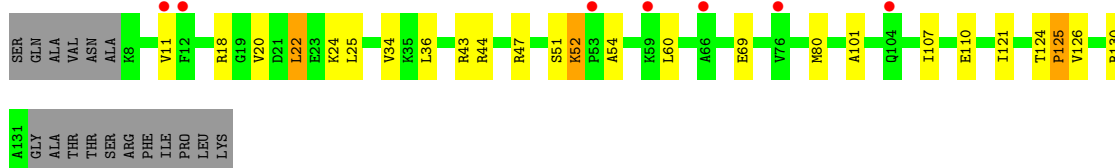


- Molecule 16: 40S ribosomal protein S14-A





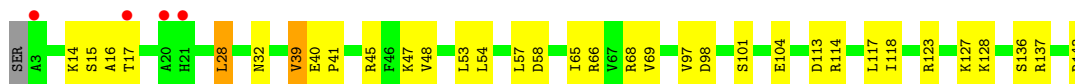
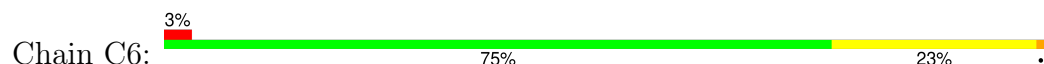
- Molecule 17: 40S ribosomal protein S15



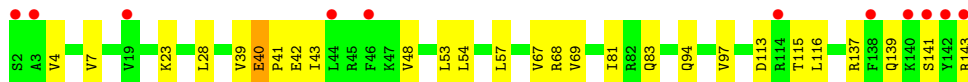
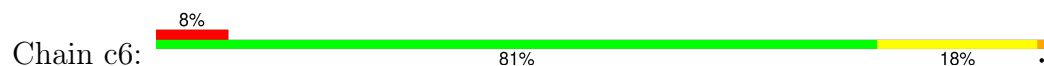
- Molecule 17: 40S ribosomal protein S15



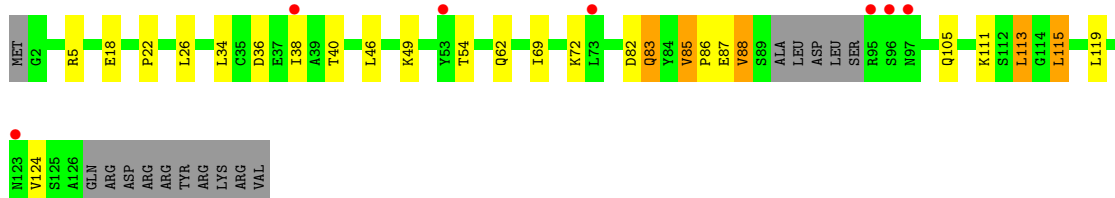
- Molecule 18: 40S ribosomal protein S16-A



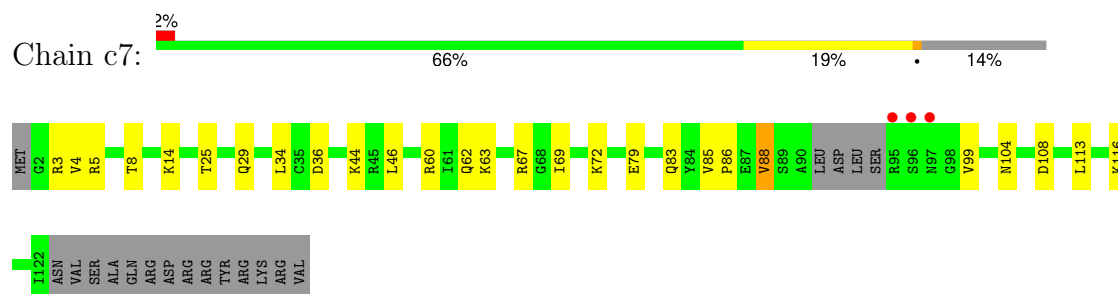
- Molecule 18: 40S ribosomal protein S16-A



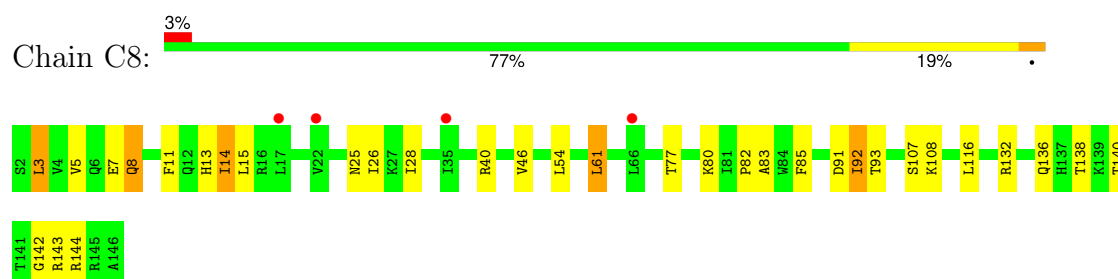
- Molecule 19: 40S ribosomal protein S17-A



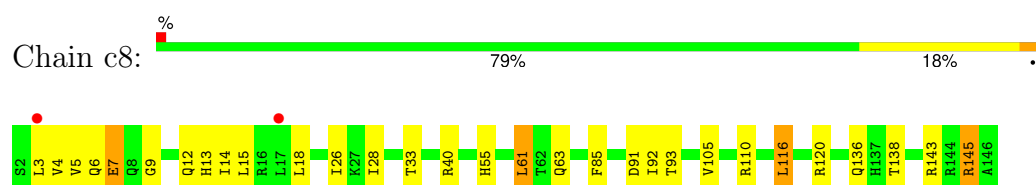
- Molecule 19: 40S ribosomal protein S17-A



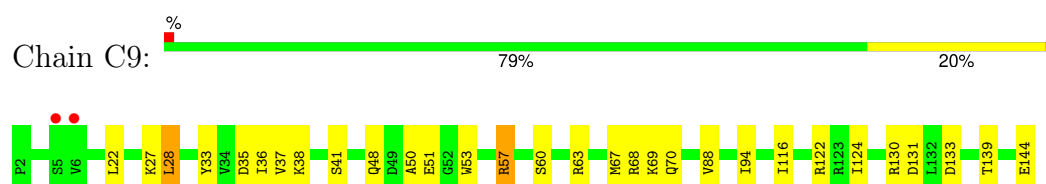
- Molecule 20: 40S ribosomal protein S18-A



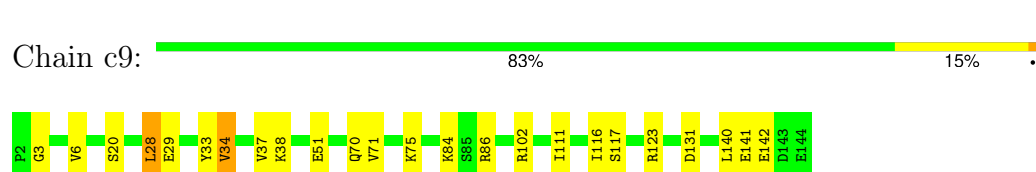
- Molecule 20: 40S ribosomal protein S18-A



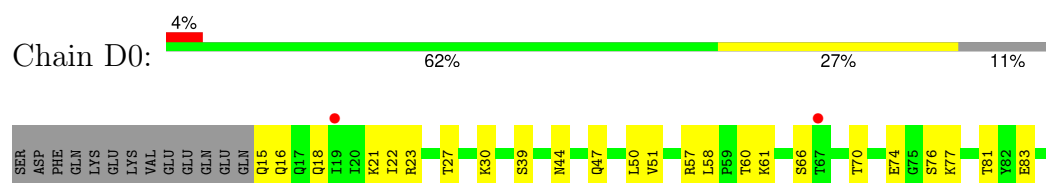
- Molecule 21: 40S ribosomal protein S19-A

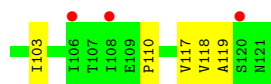


- Molecule 21: 40S ribosomal protein S19-A

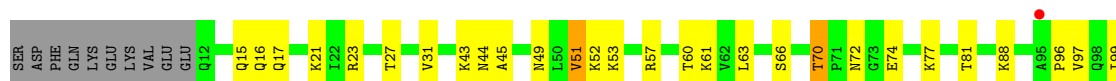


- Molecule 22: 40S ribosomal protein S20

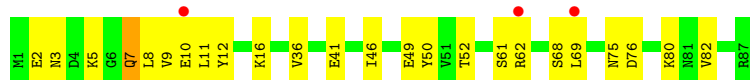
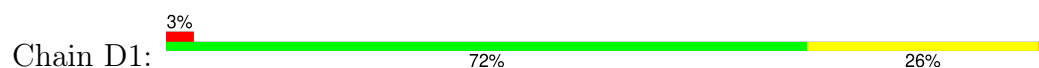




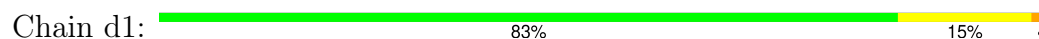
- Molecule 22: 40S ribosomal protein S20



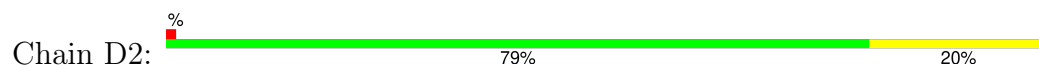
- Molecule 23: 40S ribosomal protein S21-A



- Molecule 23: 40S ribosomal protein S21-A



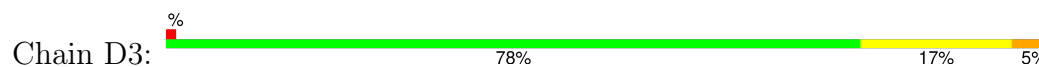
- Molecule 24: 40S ribosomal protein S22-A



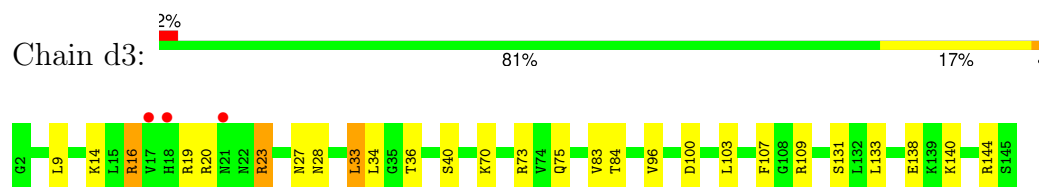
- Molecule 24: 40S ribosomal protein S22-A



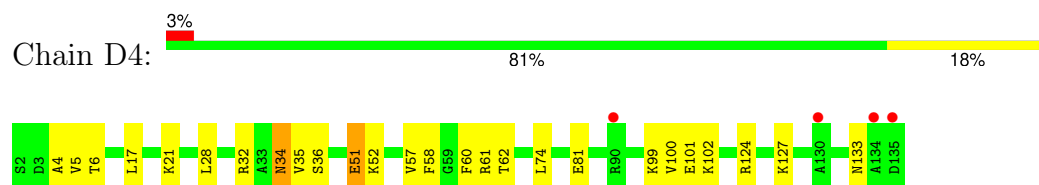
- Molecule 25: 40S ribosomal protein S23-A



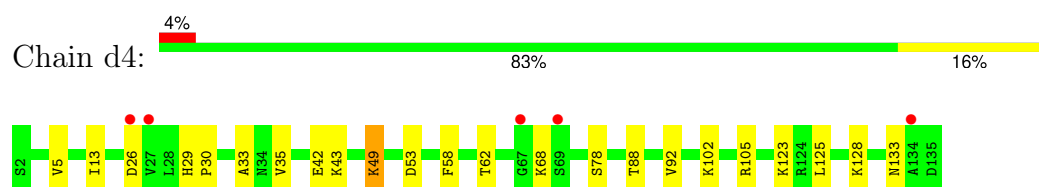
- Molecule 25: 40S ribosomal protein S23-A



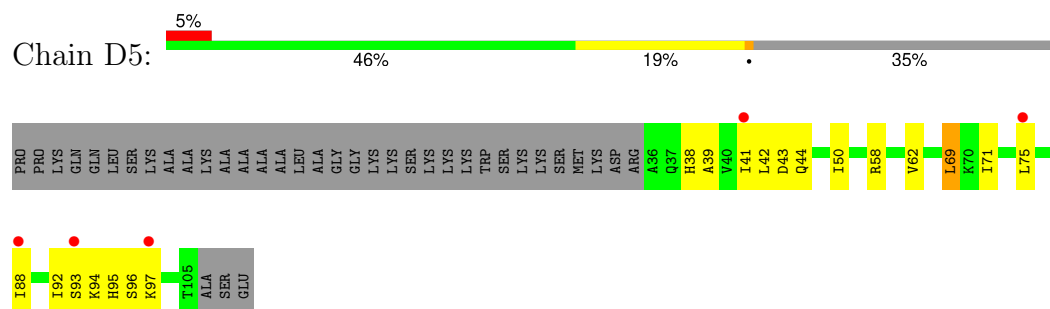
- Molecule 26: 40S ribosomal protein S24-A



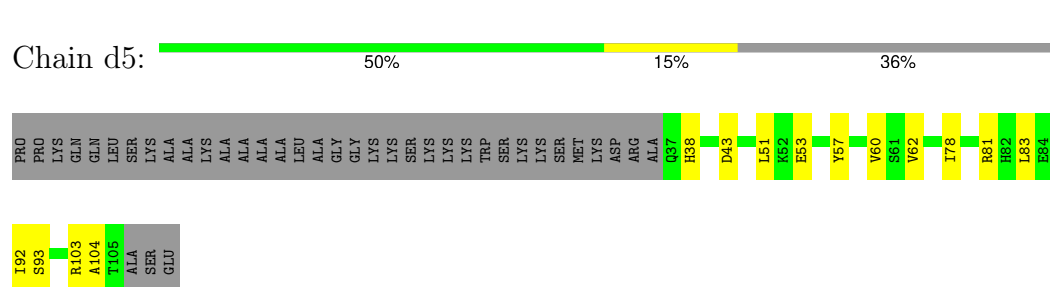
- Molecule 26: 40S ribosomal protein S24-A



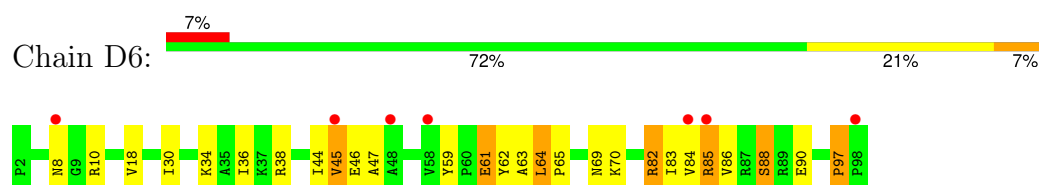
- Molecule 27: 40S ribosomal protein S25-A




- Molecule 27: 40S ribosomal protein S25-A



- Molecule 28: 40S ribosomal protein S26-B




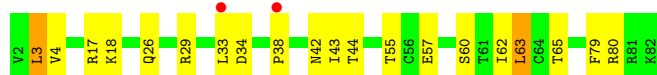
- Molecule 28: 40S ribosomal protein S26-B

Chain d6:  77% 22% .




- Molecule 29: 40S ribosomal protein S27-A

Chain D7:  75% 22% .



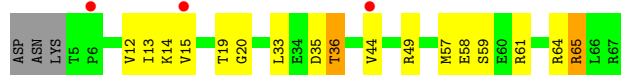
- Molecule 29: 40S ribosomal protein S27-A

Chain d7:  84% 14% .




- Molecule 30: 40S ribosomal protein S28-A

Chain D8:  70% 23% 5% .




- Molecule 30: 40S ribosomal protein S28-A

Chain d8:  73% 18% 5% 5% .




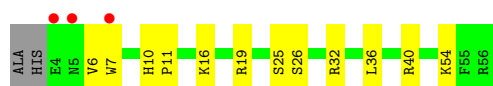
- Molecule 31: 40S ribosomal protein S29-A

Chain D9:  80% 13% . .

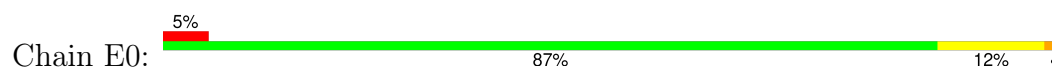


- Molecule 31: 40S ribosomal protein S29-A

Chain d9:  75% 22% .



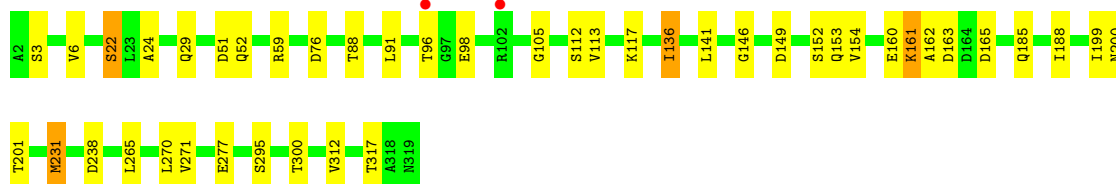
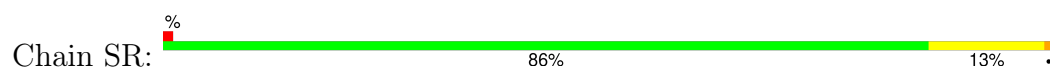
- Molecule 32: 40S ribosomal protein S30-A



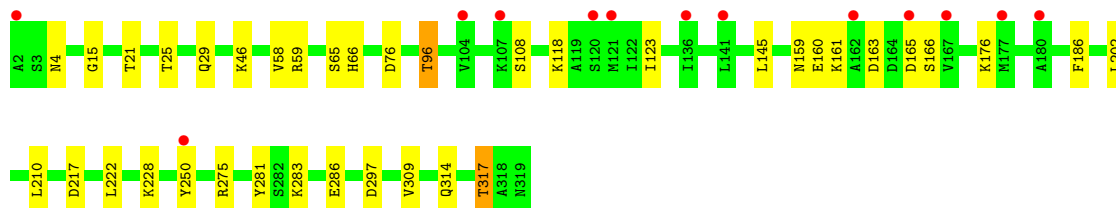
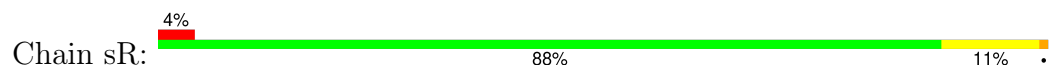
- Molecule 33: Ubiquitin-40S ribosomal protein S31



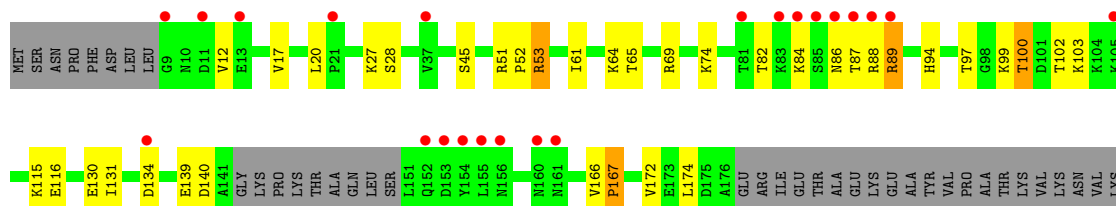
- Molecule 34: Guanine nucleotide-binding protein subunit beta-like protein

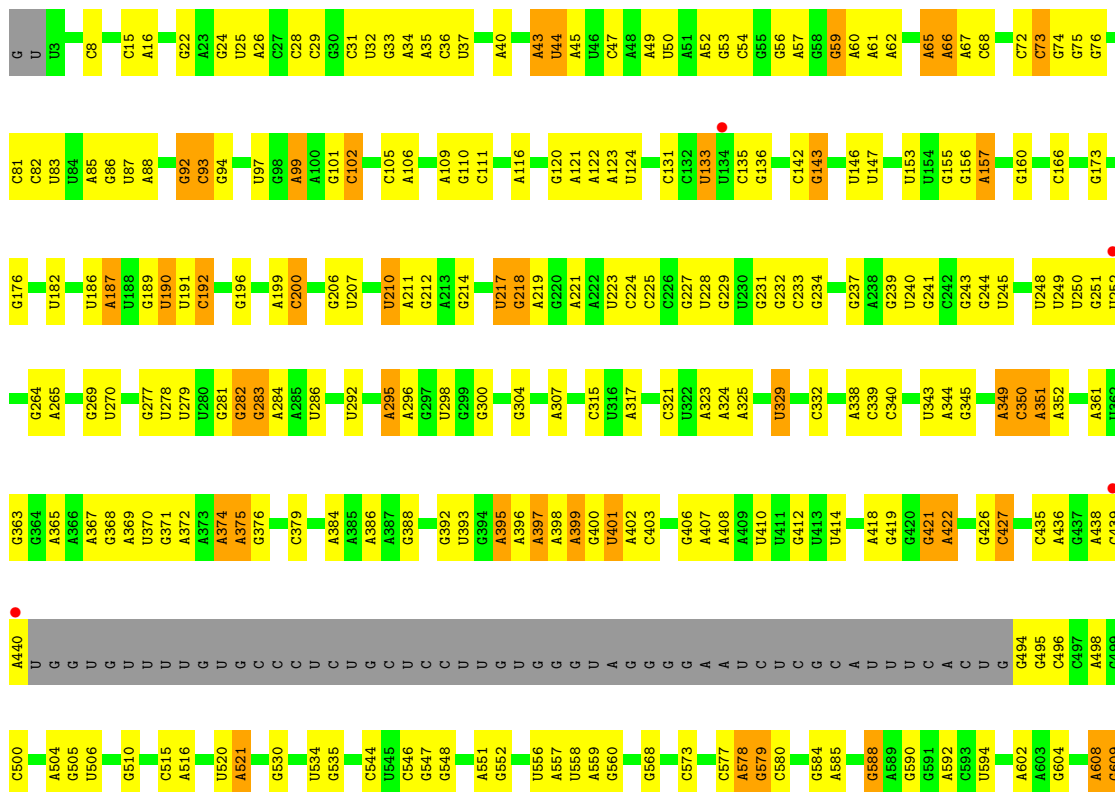


- Molecule 34: Guanine nucleotide-binding protein subunit beta-like protein



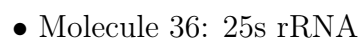
- Molecule 35: Suppressor protein STM1





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C1689	C1563	A1489	A1407	G1346	G1266	G1178	U1111	U1014	C945	U879	U785	U681	A611
A1679	U1584	A1490	G1408	G1347	U1267	A1179	A1180	U1015	U946	G880	A786	U612	U616
U1682	U1567	A1491	G1412	G1348	U1269	U1181	C1017	G1016	G947	G881	G787	G684	G616
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C1521	C1521	A1445	A1445	G1379	U1308	G1227	U1146	U1067	U976	G917	U721	U721	A649
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U2869	G2794		G2623	G2534	G	C2389	U2310		G		U	G1832
C2870	G2795		G2624		G	A2390		A2222	C		U	G1833
G2871	G2796		C2627	U2537	G	G2391	A2313	A2223	U		U	U1834
C2872	C2797		A2628	U2538	G	C2392	U2314	A2224	C		U	A1835
U2873	C2798		U2629	C2539	A	G2393	G2315	A2225	U		U	C1836
U2874	A2799		U2630	A2540	C	G2394		G2238	U		U	U1837
U2875	G2800		U2631	U2541	U	G2395	U2318	G2239	G		U	G1838
C2876	A2801		G2632	U2542	U	G2396		G2240	A		U	U1840
G2877	A2802		U2633	U2543	C	A2397	C2322	U2241	G		U	A1841
G2878			U2634		G	A2398		A2242	A		U	A1842
	G2805			G2549	G	A2399	A2326	A2243			U	
U2882	C2810		A2637	U2550	C	G2400		A2244			U	G1845
U2883	A2811			U2551	G	A2401	C2329	A2245	C		U	C1846
C2884	C2812		A2640	C2552	C	A2402	C2330	A2246	G		U	A1847
G2885	A2813		U2641	U2553	C	G2403	G2403	G2247	U		U	G1848
U2886	A2814		A2642	A2554	A	A2404	C2333	G2248	C		U	C1849
A2887	G2815		G2643	C2555	G	C2405	U2334	C2249	U		U	A1850
U2888	G2816		G2644	U2560	U	G2406	G2335	G2250	C		U	G1851
C2889	A2817		G2645	A2561	G	A2407	U2336	G2251	G		U	U1852
U2890	U2818		A2646		A	U2408		A2252	U		U	G1853
U2891	A2819		A2647	G2568	A	G2409	C2339	G2253	C		U	U1854
A2892	A2820			A2569	U	U2410		G2254	U		U	U1855
			U2650	U2570	U	U2411	C2343	U2255	A		U	A1858
A2896			G2651	G2571	A	G2412	U2344	A2256	C		U	
A2897	U2827		U2652	C2572	C	G2413	A2345				U	G1861
G2898	G2828		C2653	G2573	C	G2414		U2268	A		U	
C2899	U2829		U2654	U2581	A	U2417	U2349	G2272	U		U	C1866
	G2830		U2655		C	G2418	C2350	G2273	U		U	C1870
	G2831		A2656	G2585	U	A2419	C2354	G2276	A		U	U1871
	G2832		G2657	G2586	A	C2420	G2355	G2277	C		U	U1876
	A2833		G2658	G2589	C	U2423	A2356	C2278	C		U	U1877
	G2834		G2659	G2590	U	U2426	A2357	A2279	C		U	G1878
	U2835		G2660		U	U2436	C2359	A2280	C		U	A1879
	C2836		U2665	A2593	A	U2434	C2362	G2281	C		U	A1886
	A2837			C2594	U	G2435	G2363	U2282	C		U	
	G2838		A2674	U2597	U	G2436	G2364	G2283	U		U	G1889
					U	C2444	C2365	C2284	G		U	
	U2842		G2677	C2600		A2445	C2366	C2285	U		U	G1888
	U2843		A2678	A2601		U		U2286	C		U	A1899
	U2844		A2679	G2602	A		G2369		U		U	G1890
	C2845		U2680	U2603	G		G2370		U		U	U1900
	A2845		A2681	U2604	A		G2371		U		U	A1901
	U2920											
U2923	A2847											

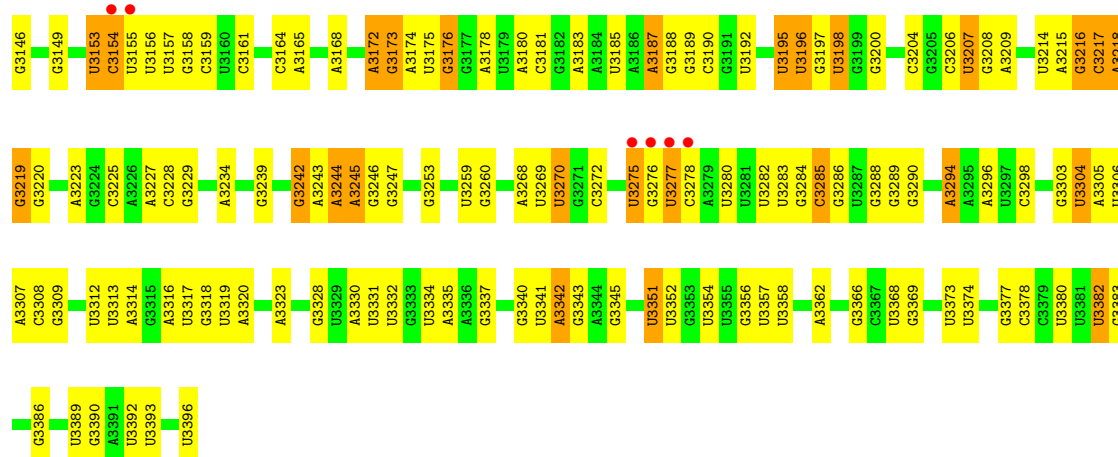


Chain 5:





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U3068	U2989	G2777	A2847	U2920	C2621	G2631	G	G2396	C2331	U2258	G2171	A
G3069	G2993	A2778	C2848	U2923	C2622	U2532	G	A2397	C2332	G2257	G2174	C2093
C3076	A2991	A2779	C2849	U2924	G2623	U2533	A	A2398	C2333	G2261	U2175	U2097
A3077	U2992	U2783	C2852	C2927	C2624	U2538	G	A2399	U2334	U2269	U2176	U2097
U3078	G2995	U2784	A2853	C2928	C2625	U2540	C	G2400	U2335	U2270	U2177	A2100
U3079	U2996	A2790	U2854	C2929	C2626	A2540	U	A2401	U2336	U2271	C2178	C2102
G3080	C2997	G2791	U2855	A2930	U2628	U2543	C	G2402	C2339	G2272	C2179	U2102
C3081	C2998	U2718	U2856	C2931	U2629	U2544	C	G2403	U2340	G2273	U2180	U2102
C3082	A2993	U2719	C2857	U2932	U2630	U2545	C	G2404	U2341	U2274	A2182	G2105
G3083	C3001	G2792	U2858	C2933	U2631	U2546	G	G2405	C2342	C2278	U2186	A2106
C3084	G3002	U2793	U2859	A2934	G2632	G2549	C	G2406	C2343	A2279	U2187	A2107
C3085	C3003	U2794	U2860	U2935	U2633	U2550	G	G2407	C2344	U2280	A2188	G2110
C3086	G3004	U2795	U2861	A2936	U2634	U2551	C	U2408	A2345	A2281	U2189	G2111
A3087	A3005	C2797	A2862	C2937	A2635	U2552	C	U2410	C2346	U2282	U2190	U2112
U3090	A3006	C2798	C2863	U2938	A2636	U2553	A	U2411	A2348	G2283	U2191	A2113
A3091	U3007	U2799	U2864	G2939	A2637	A2554	C	G2412	C2349	C2284	U2192	C2114
C3092	A3008	G2800	U2865	A2940	C2638	G2555	G	U2416	U2351	U2286	U2193	C2117
C3093	C2942	A2801	C2870	U2941	G2639	C2560	A	U2417	A2352	U2287	G2194	C2118
A3094	G2943	A2802	G2871	A2802	U2641	C2561	A	U2418	C2353	G2288	A2198	A2119
U3095	U2944	A2803	A2872	A2804	C2644	C2567	A	A2419	C2354	U2289	U2201	A2120
G3101	G2945	G2805	U2873	A2806	G2645	U2568	U	A2420	C2355	C2290	G2202	G2121
G3102	A2946	U2806	C2874	U2807	C2646	G2569	A	U2421	A2356	A2291	U2203	G2122
A3103	C2947	U2807	U2875	U2808	U2647	U2571	C	G2425	A2357	U2292	U2204	C2128
U3104	U2948	A2808	C2876	A2809	A2649	C2572	C	U2426	C2358	C2293	U2205	G2129
C3105	C2949	C2809	G2877	C2809	U2650	C2573	C	U2429	C2359	U2294	U2206	G2130
A3106	G2950	A2811	C2878	A2812	G2651	U2574	U	U2434	C2360	A2296	G2207	U2136
U3107	U2952	C2812	U2882	C2813	U2652	G2579	A	U2435	C2362	U2297	A2208	A2131
C3108	C2953	A2813	U2883	A2814	C2654	G2584	C	G2438	A2363	U2298	U2209	C2132
G3109	U2954	G2814	C2884	C2815	U2655	G2585	U	A2439	C2364	A2299	G2210	U2133
C3110	G2957	A2816	A2887	G2816	A2656	G2586	U	G2440	C2366	U2301	U2211	U2134
A3111	A2958	U2817	U2888	A2818	G2661	G2589	U	U2441	G2370	G2302	A2214	C2135
C3115	C2959	U2819	C2889	U2819	U2674	U2593	A	G2442	C2371	G2305	A2222	C2136
U3119	G2960	A2820	A2892	A2820	A2675	A2598	U	C2443	A2372	C2306	A2223	U2137
C3120	C2961	G2823	U2897	G2823	C2676	G2599	U	C2444	A2373	A2443	U2229	A2138
A3121	U2962	G2824	C2897	G2824	G2677	U2600	A	A	C2374	C2308	A2230	A2139
C3122	U2965	C2825	C2898	C2825	U2681	A2601	A	U	G2375	U2310	G2234	U2140
G3124	C3043	G2828	A2900	A2828	C2682	G2602	G	A	C2376	G2311	G2235	U2141
U3125	U2968	U2901	G2901	G2829	U2683	A2602	A	G	G2377	A2312	C2231	A2142
C3126	C2971	A2902	A2903	A2902	U2684	G2606	G	U	C2378	U2313	A2144	A2143
A3130	G2972	U2904	U2904	G2830	A2689	G2607	G	G	U2379	A2314	G2234	C2145
U3131	C2973	U2905	U2905	G2831	G2690	G2608	U	U	U2380	G2315	G2239	A2146
C3134	U2974	U2974	U2905	G2834	A2691	U2611	A	G	C2381	U2318	A2244	A2147
U3135	A2975	U2975	G2908	U2895	G2692	U2612	G	U	C2382	U2319	A2245	C2151
G3136	C2977	U2977	U2909	C2896	A2693	U2613	A	G	C2383	A2320	G2246	C2155
C3137	U2978	A2837	A2910	A2837	C2694	G2614	G	A	A2386	G2323	G2249	A2158
A3141	U2979	U2838	C2913	U2838	A2695	A2615	A	A	U2387	U2324	G2250	A2164
U3142	U2980	C2840	G2914	C2840	A2696	G2616	U	U	C2389	G2325	G2251	A2167
C3143	U2981	U2841	U2915	U2841	U2697	A2523	A	A	U2392	U2326	A2252	G2253
G3144	A2982	U2842	U2916	U2842	A2703	G2525	A	A	C2392	U2328	U2254	A2168
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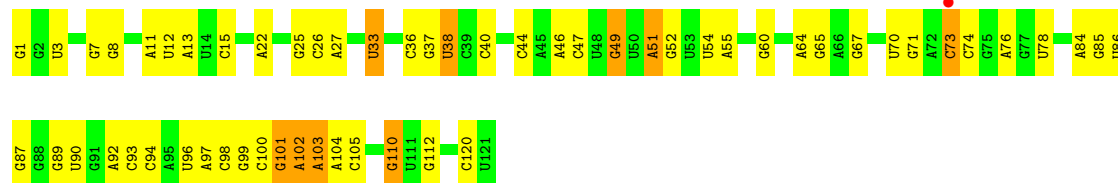
• Molecule 37: 5.8s rRNA

Chain 3: 71% 27%



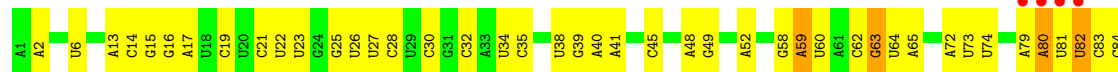
• Molecule 37: 5.8s rRNA

Chain 7: 53% 40% 7%



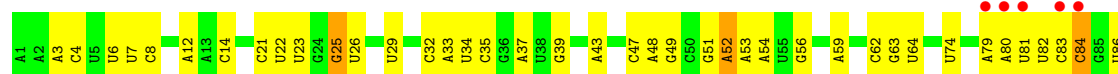
• Molecule 38: 5.8s rRNA

Chain 4: 3% 54% 41% 5%



• Molecule 38: 5.8s rRNA

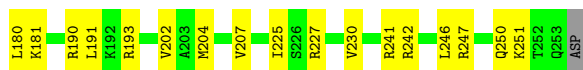
Chain 8: 3% 60% 36%





• Molecule 39: 60S ribosomal protein L2-A

Chain L2: 80% 19% .



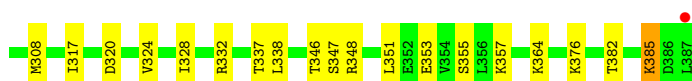
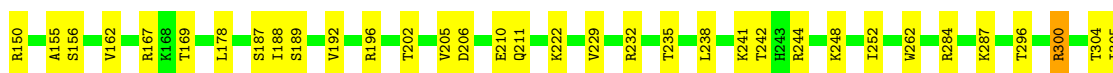
• Molecule 39: 60S ribosomal protein L2-A

Chain L2: 2% 80% 19% .



• Molecule 40: 60S ribosomal protein L3

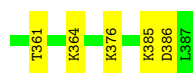
Chain L3: 77% 22% .



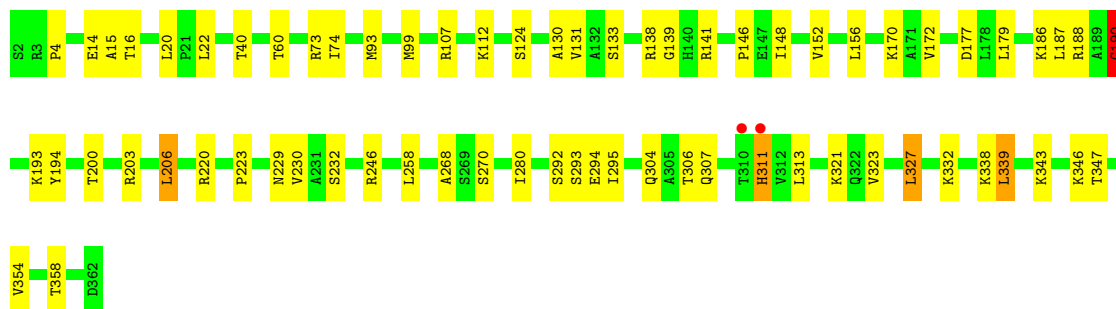
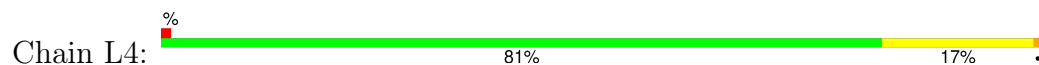
• Molecule 40: 60S ribosomal protein L3

Chain L3: 82% 18% .

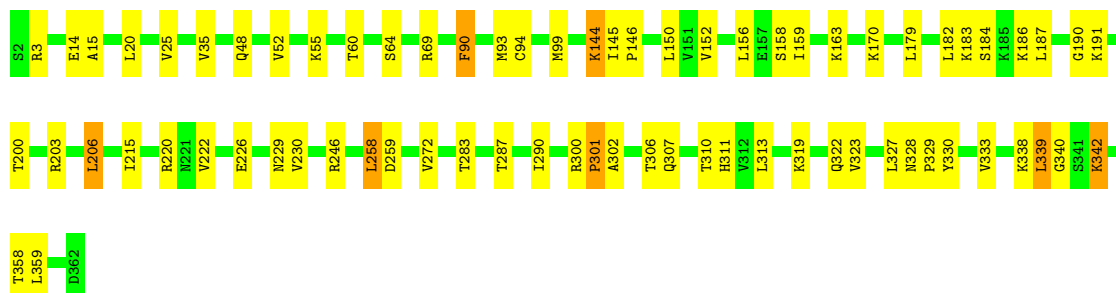
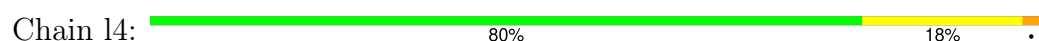




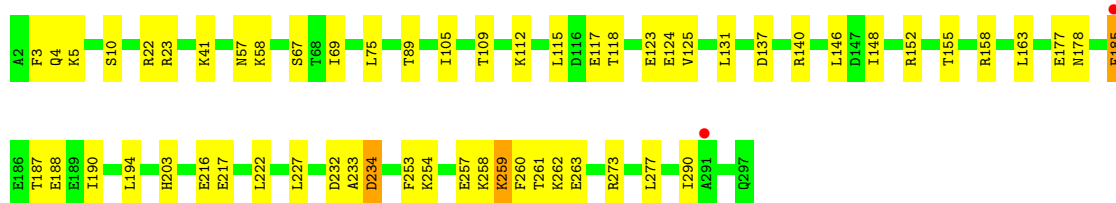
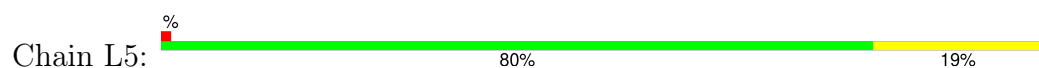
- Molecule 41: 60S ribosomal protein L4-A



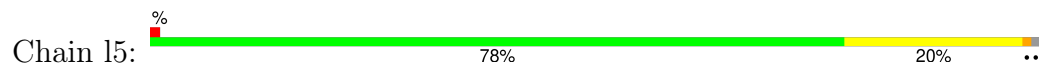
- Molecule 41: 60S ribosomal protein L4-A



- Molecule 42: 60S ribosomal protein L5

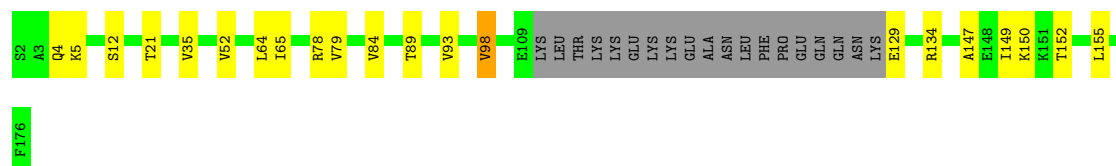
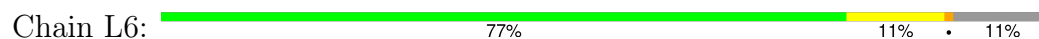


- Molecule 42: 60S ribosomal protein L5

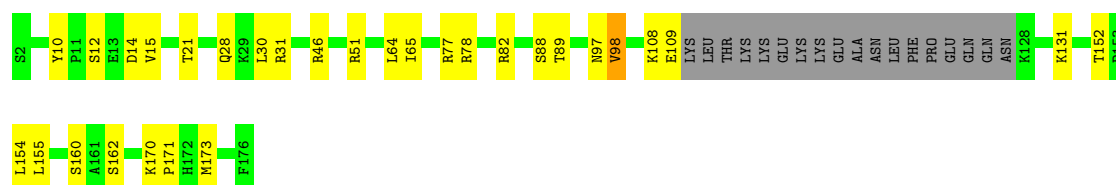




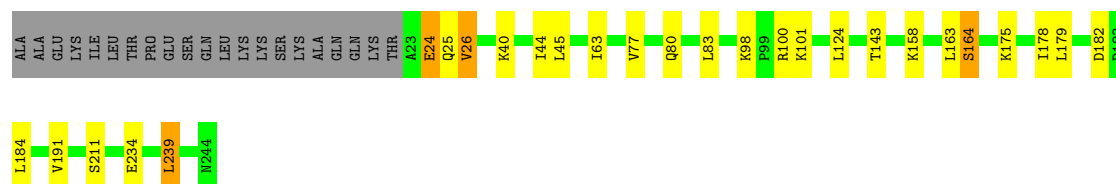
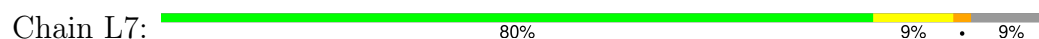
- Molecule 43: 60S ribosomal protein L6-A



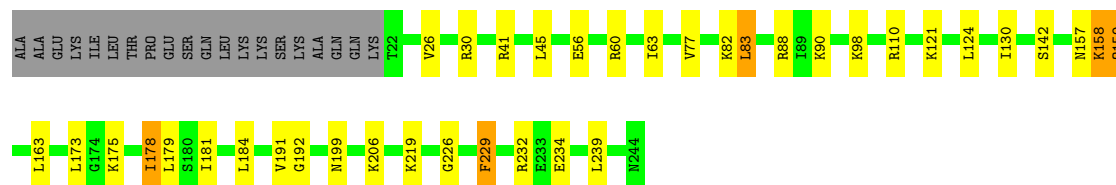
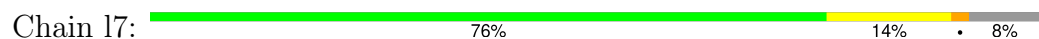
- Molecule 43: 60S ribosomal protein L6-A



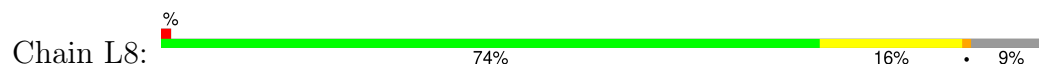
- Molecule 44: 60S ribosomal protein L7-A



- Molecule 44: 60S ribosomal protein L7-A

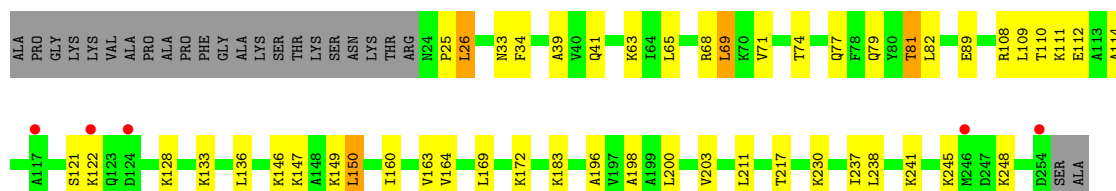


- Molecule 45: 60S ribosomal protein L8-A

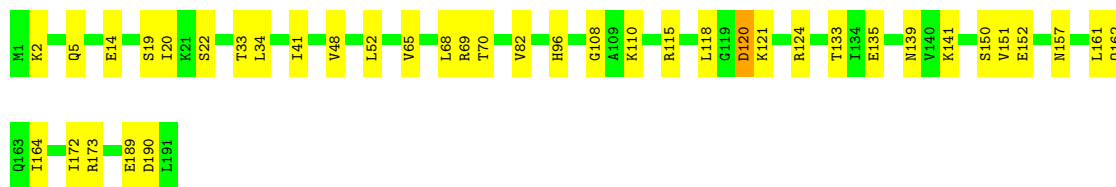
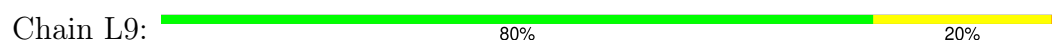




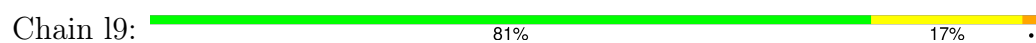
- Molecule 45: 60S ribosomal protein L8-A



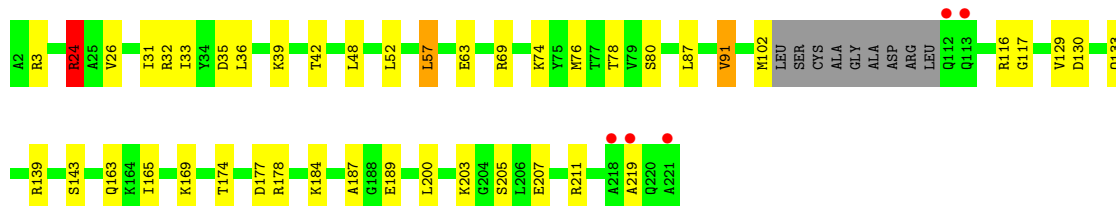
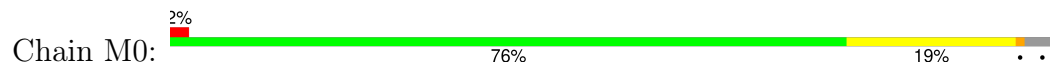
- Molecule 46: 60S ribosomal protein L9-A



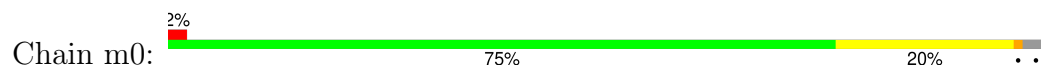
- Molecule 46: 60S ribosomal protein L9-A

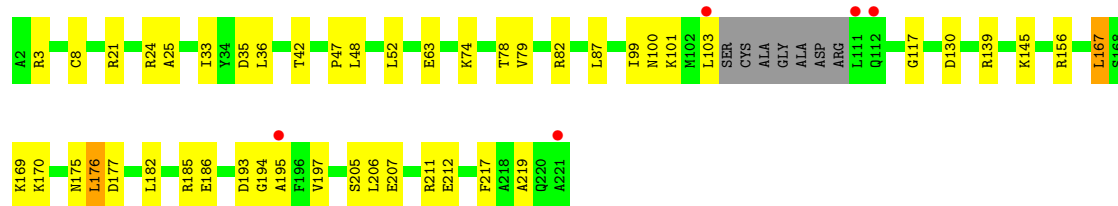


- Molecule 47: 60S ribosomal protein L10

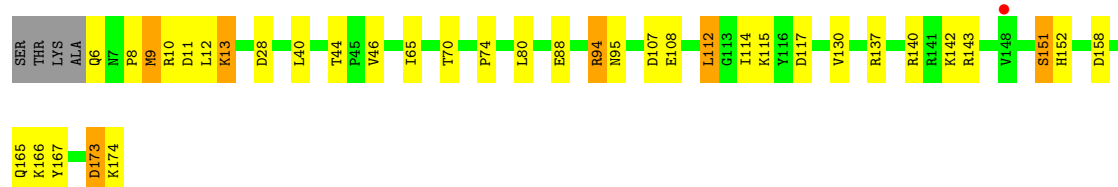
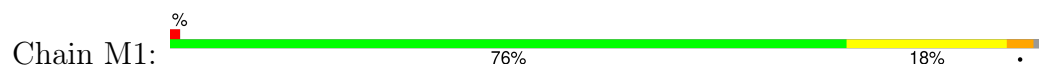


- Molecule 47: 60S ribosomal protein L10

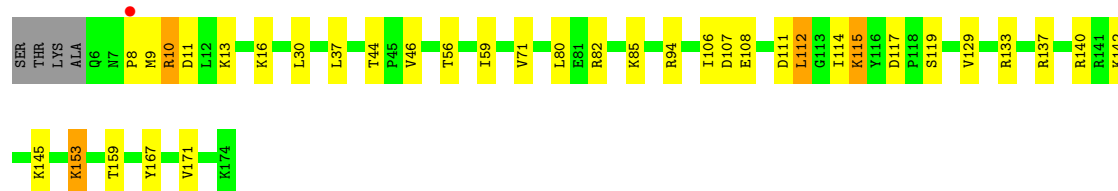
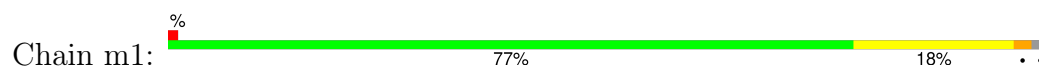




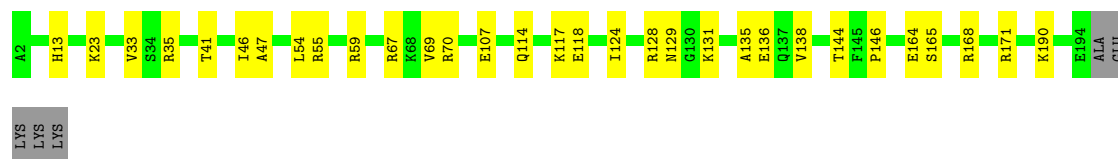
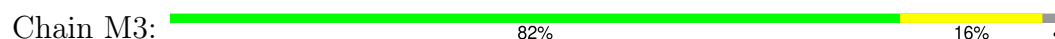
• Molecule 48: 60S ribosomal protein L11-B



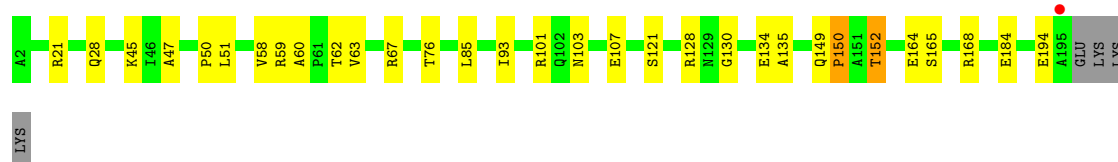
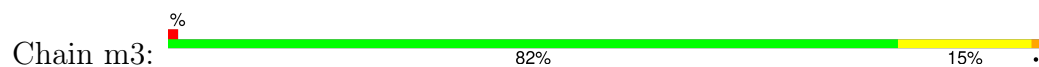
• Molecule 48: 60S ribosomal protein L11-B



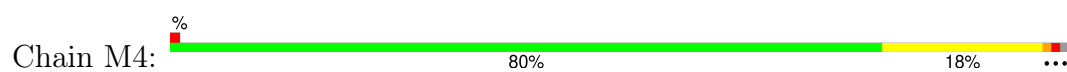
• Molecule 49: 60S ribosomal protein L13-A



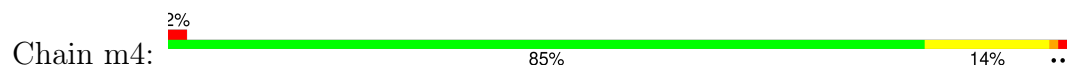
• Molecule 49: 60S ribosomal protein L13-A



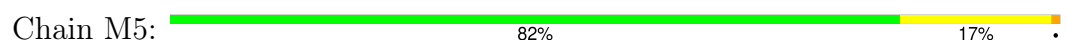
• Molecule 50: 60S ribosomal protein L14-A



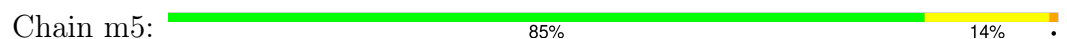
- Molecule 50: 60S ribosomal protein L14-A



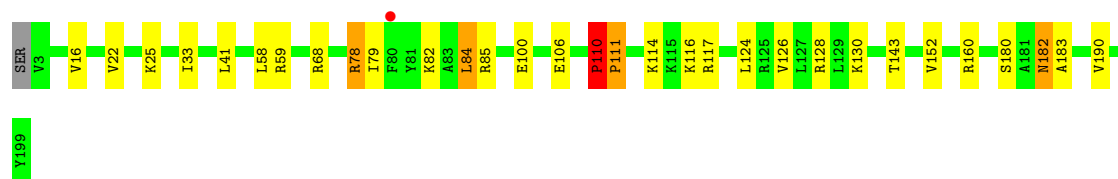
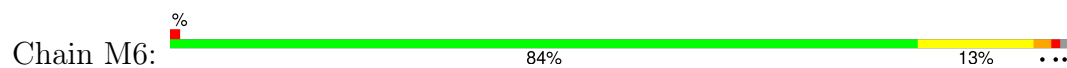
- Molecule 51: 60S ribosomal protein L15-A



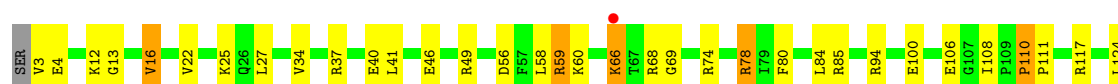
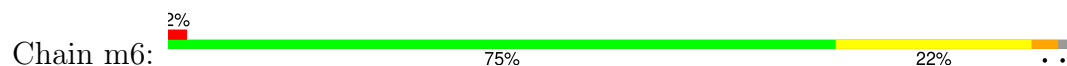
- Molecule 51: 60S ribosomal protein L15-A

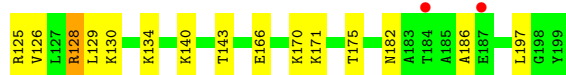


- Molecule 52: 60S ribosomal protein L16-A

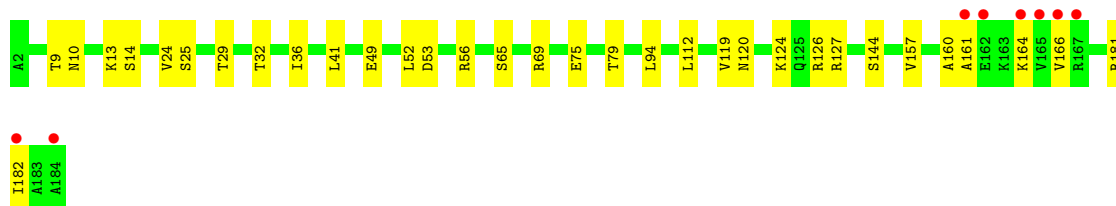
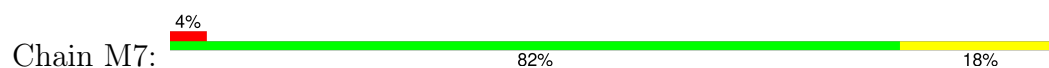


- Molecule 52: 60S ribosomal protein L16-A

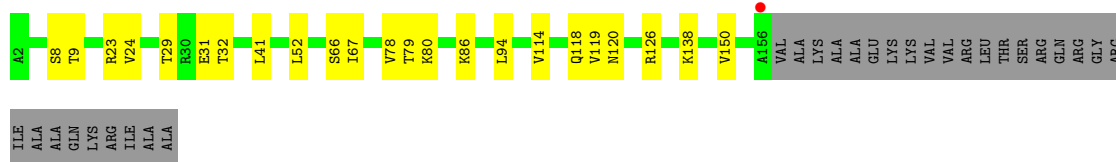
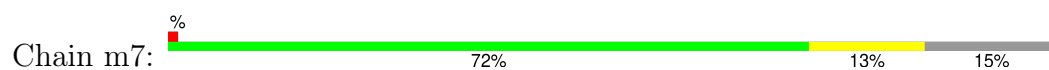




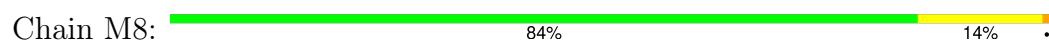
- Molecule 53: 60S ribosomal protein L17-A



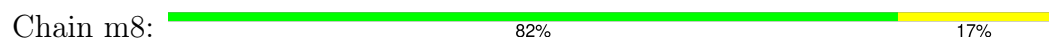
- Molecule 53: 60S ribosomal protein L17-A



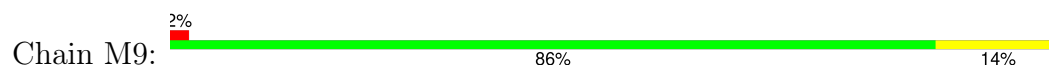
- Molecule 54: 60S ribosomal protein L18-A



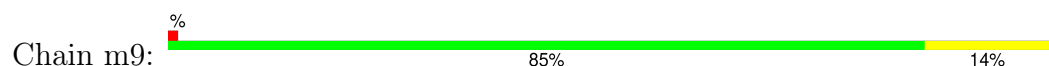
- Molecule 54: 60S ribosomal protein L18-A



- Molecule 55: 60S ribosomal protein L19-A

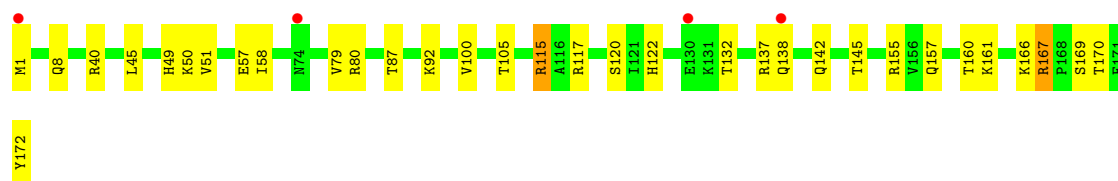
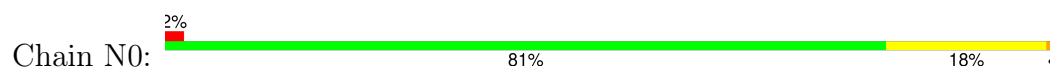


- Molecule 55: 60S ribosomal protein L19-A

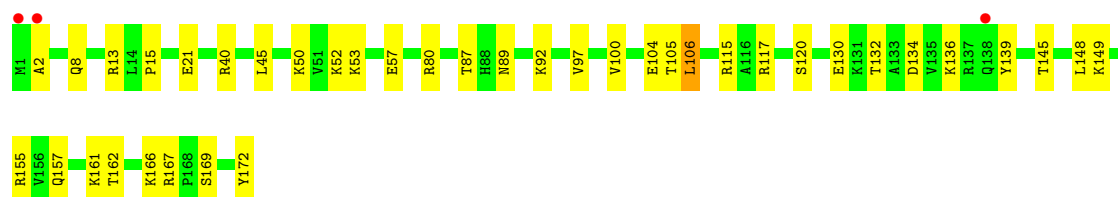
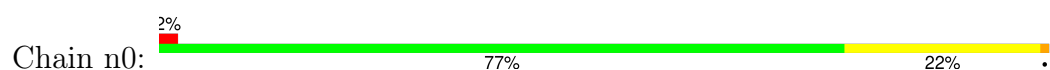




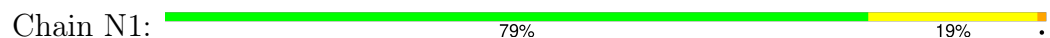
- Molecule 56: 60S ribosomal protein L20-A



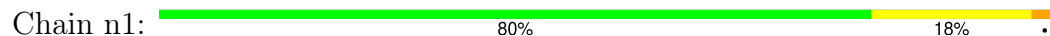
- Molecule 56: 60S ribosomal protein L20-A



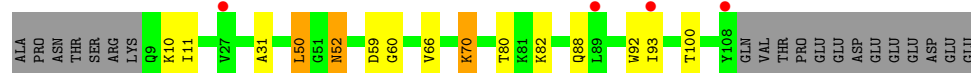
- Molecule 57: 60S ribosomal protein L21-A



- Molecule 57: 60S ribosomal protein L21-A

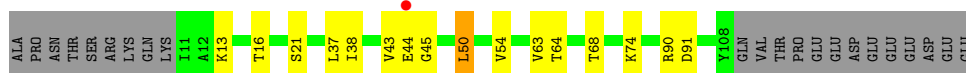


- Molecule 58: 60S ribosomal protein L22-A

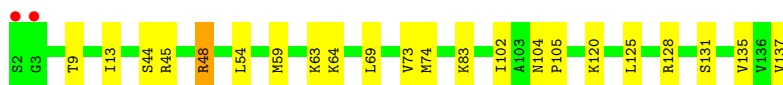
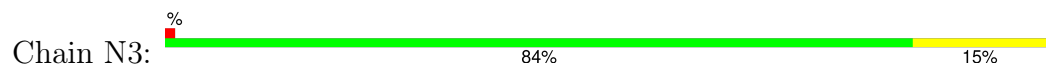


- Molecule 58: 60S ribosomal protein L22-A

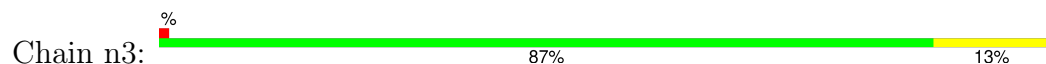




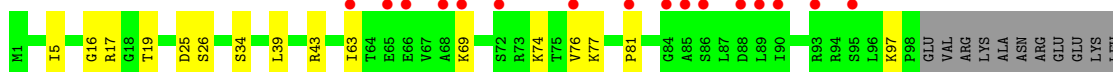
- Molecule 59: 60S ribosomal protein L23-A



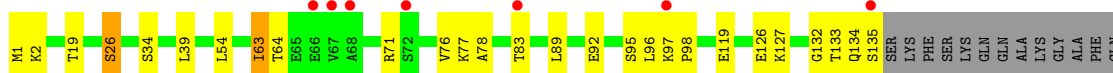
- Molecule 59: 60S ribosomal protein L23-A



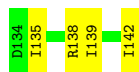
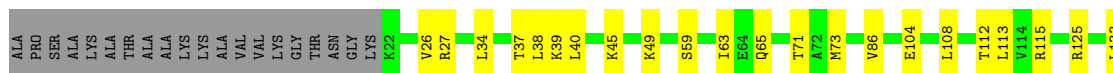
- Molecule 60: 60S ribosomal protein L24-A



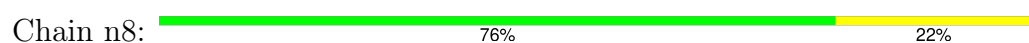
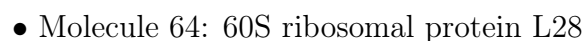
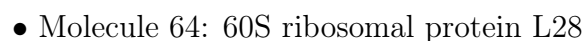
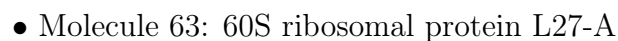
- Molecule 60: 60S ribosomal protein L24-A

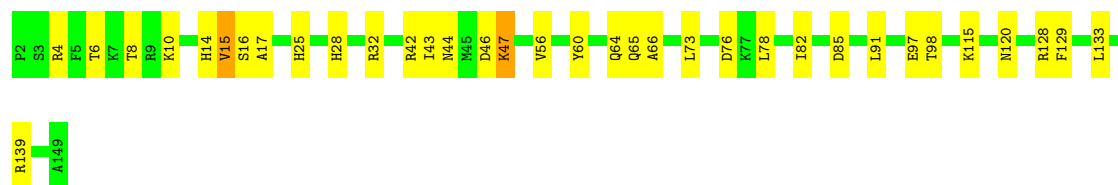


- Molecule 61: 60S ribosomal protein L25

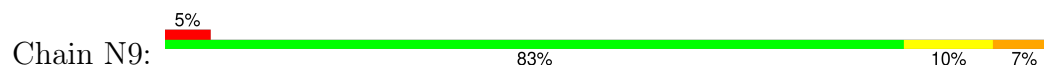


- Molecule 61: 60S ribosomal protein L25

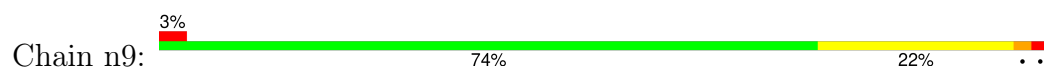




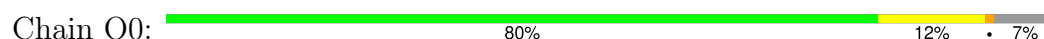
- Molecule 65: 60S ribosomal protein L29



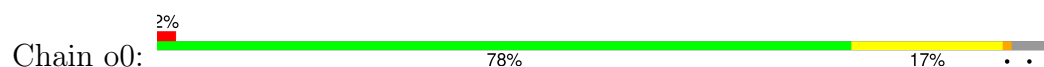
- Molecule 65: 60S ribosomal protein L29



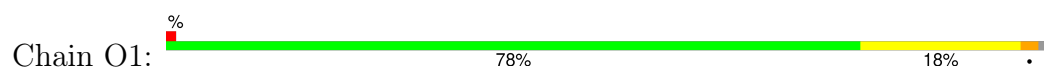
- Molecule 66: 60S ribosomal protein L30



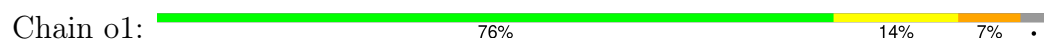
- Molecule 66: 60S ribosomal protein L30



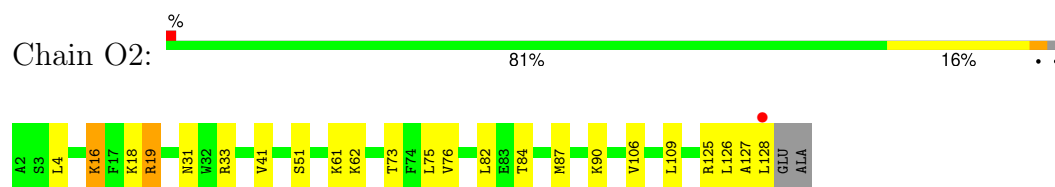
- Molecule 67: 60S ribosomal protein L31-A



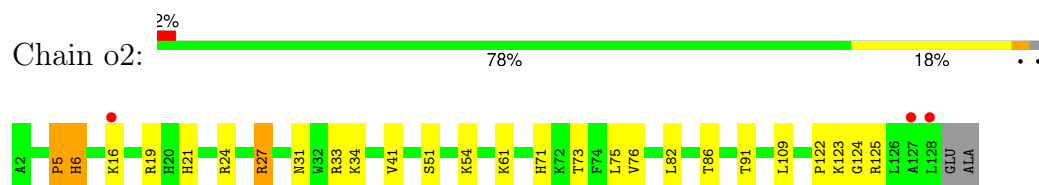
- Molecule 67: 60S ribosomal protein L31-A



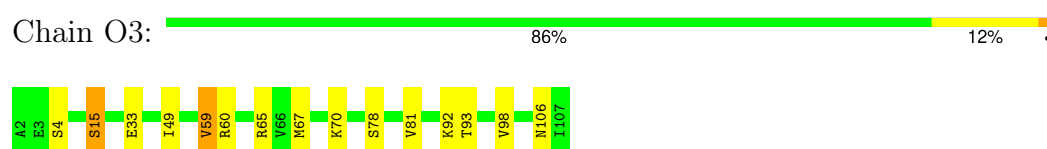
- Molecule 68: 60S ribosomal protein L32



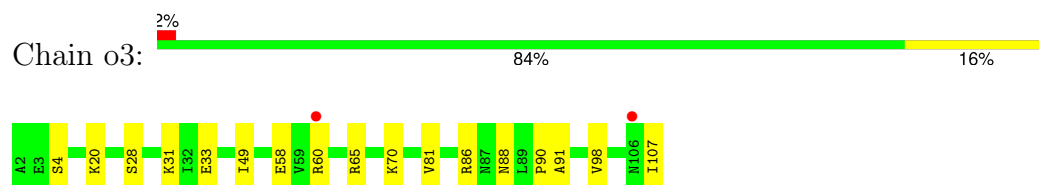
- Molecule 68: 60S ribosomal protein L32



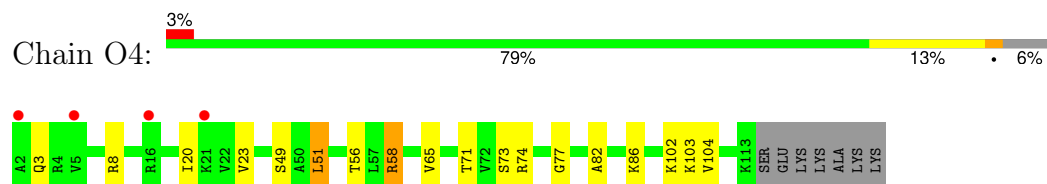
- Molecule 69: 60S ribosomal protein L33-A



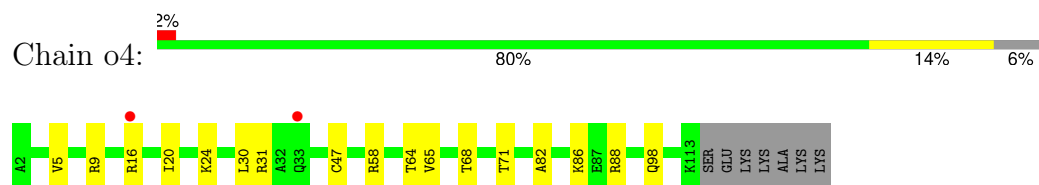
- Molecule 69: 60S ribosomal protein L33-A



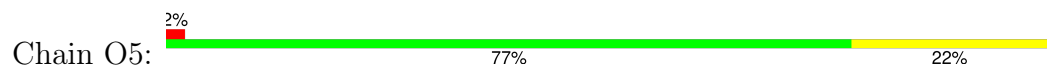
- Molecule 70: 60S ribosomal protein L34-A

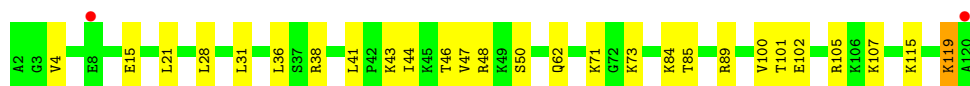


- Molecule 70: 60S ribosomal protein L34-A

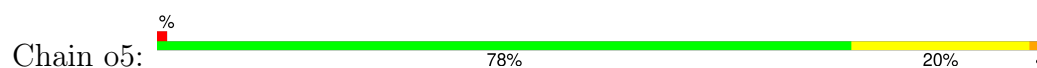


- Molecule 71: 60S ribosomal protein L35-A

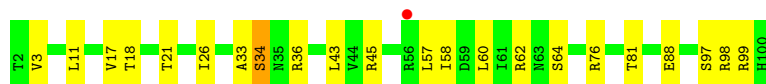
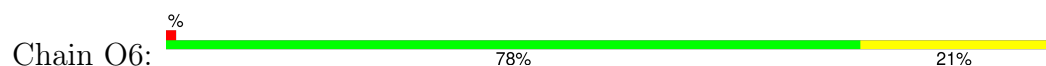




- Molecule 71: 60S ribosomal protein L35-A



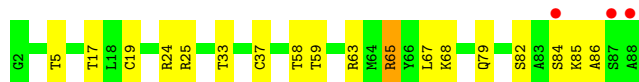
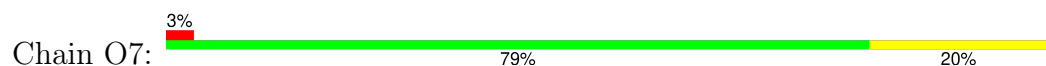
- Molecule 72: 60S ribosomal protein L36-A



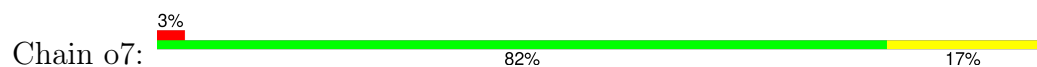
- Molecule 72: 60S ribosomal protein L36-A



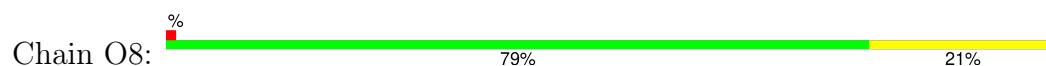
- Molecule 73: 60S ribosomal protein L37-A




- Molecule 73: 60S ribosomal protein L37-A



- Molecule 74: 60S ribosomal protein L38




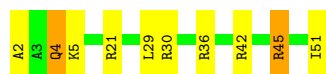
- Molecule 74: 60S ribosomal protein L38

Chain o8:  79% 19%




- Molecule 75: 60S ribosomal protein L39

Chain O9:  80% 16%




- Molecule 75: 60S ribosomal protein L39

Chain o9:  76% 24%




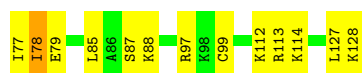
- Molecule 76: Ubiquitin-60S ribosomal protein L40

Chain Q0:  83% 15%



- Molecule 76: Ubiquitin-60S ribosomal protein L40

Chain q0:  75% 23%



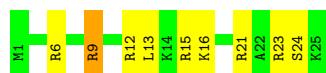
- Molecule 77: 60S ribosomal protein L41-A

Chain Q1:  4% 68% 32%

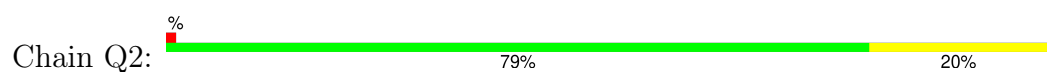


- Molecule 77: 60S ribosomal protein L41-A

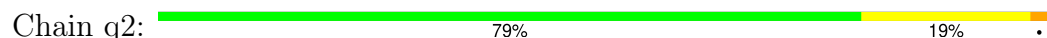
Chain q1:  64% 32%



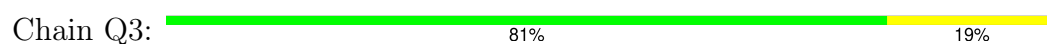
- Molecule 78: 60S ribosomal protein L42-A



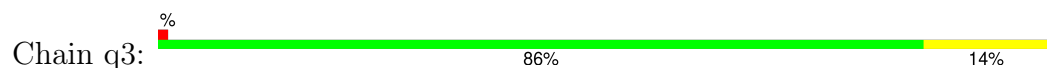
- Molecule 78: 60S ribosomal protein L42-A



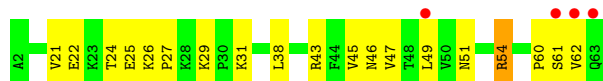
- Molecule 79: 60S ribosomal protein L43-A



- Molecule 79: 60S ribosomal protein L43-A



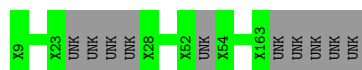
- Molecule 80: 40S ribosomal protein S30-A



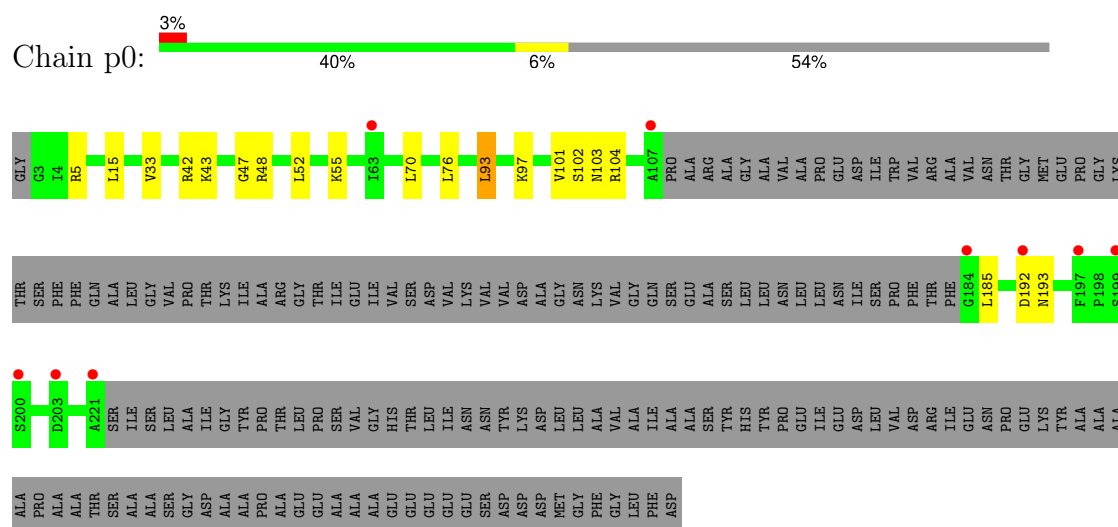
- Molecule 81: Ubiquitin-40S ribosomal protein S31



- Molecule 82: UNKNOWN PROTEIN m2



- Molecule 83: 60S acidic ribosomal protein P0



- Molecule 84: UNKNOWN PROTEIN p1

Chain p1:  100%

There are no outlier residues recorded for this chain.

- Molecule 85: UNKNOWN PROTEIN p2

Chain p2: 100%

There are no outlier residues recorded for this chain.

4 Data and refinement statistics

Property	Value	Source
Space group	P 1 21 1	Depositor
Cell constants a, b, c, α , β , γ	436.68Å 287.99Å 304.76Å 90.00° 99.01° 90.00°	Depositor
Resolution (Å)	99.80 – 3.00 99.80 – 3.00	Depositor EDS
% Data completeness (in resolution range)	100.0 (99.80-3.00) 99.9 (99.80-3.00)	Depositor EDS
R_{merge}	0.30	Depositor
R_{sym}	(Not available)	Depositor
$\langle I/\sigma(I) \rangle$ ¹	1.35 (at 3.01Å)	Xtriage
Refinement program	PHENIX (phenix.refine: dev_1702)	Depositor
R, R_{free}	0.199 , 0.245 0.201 , 0.245	Depositor DCC
R_{free} test set	29589 reflections (2.00%)	wwPDB-VP
Wilson B-factor (Å ²)	74.8	Xtriage
Anisotropy	0.176	Xtriage
Bulk solvent k_{sol} (e/Å ³), B_{sol} (Å ²)	0.32 , 72.5	EDS
L-test for twinning ²	$\langle L \rangle = 0.48$, $\langle L^2 \rangle = 0.31$	Xtriage
Estimated twinning fraction	No twinning to report.	Xtriage
F_o, F_c correlation	0.93	EDS
Total number of atoms	411204	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 1.42% 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, ANM, ZN, MG

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

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	$\# Z > 5$	RMSZ	$\# Z > 5$
1	2	0.79	4/41698 (0.0%)	1.35	389/64972 (0.6%)
1	6	0.93	38/42765 (0.1%)	1.43	556/66634 (0.8%)
2	S0	0.48	0/1617	0.67	0/2215
2	s0	0.52	0/1623	0.70	0/2222
3	S1	0.39	0/1735	0.66	3/2335 (0.1%)
3	s1	0.55	0/1748	0.73	3/2352 (0.1%)
4	S2	0.53	0/1665	0.70	1/2263 (0.0%)
4	s2	0.63	0/1665	0.77	0/2263
5	S3	0.52	0/1759	0.67	1/2368 (0.0%)
5	s3	0.48	0/1759	0.61	0/2368
6	S4	0.51	0/2109	0.77	4/2839 (0.1%)
6	s4	0.58	0/2109	0.81	1/2839 (0.0%)
7	S5	0.44	0/1629	0.62	0/2202
7	s5	0.49	0/1629	0.69	1/2202 (0.0%)
8	S6	0.51	0/1823	0.69	0/2439
8	s6	0.61	1/1779 (0.1%)	0.72	0/2379
9	S7	0.45	0/1506	0.66	0/2028
9	s7	0.50	0/1516	0.70	1/2043 (0.0%)
10	S8	0.58	0/1514	0.78	1/2021 (0.0%)
10	s8	0.67	0/1514	0.81	2/2021 (0.1%)
11	S9	0.53	0/1519	0.68	0/2035
11	s9	0.58	0/1519	0.78	1/2035 (0.0%)
12	C0	0.45	0/790	0.74	2/1069 (0.2%)
12	c0	0.40	0/777	0.65	3/1049 (0.3%)
13	C1	0.63	0/1240	0.78	1/1675 (0.1%)
13	c1	0.68	1/1194 (0.1%)	0.78	1/1610 (0.1%)
14	C2	0.39	0/900	0.62	0/1224
14	c2	0.32	0/900	0.59	1/1224 (0.1%)
15	C3	0.52	0/1215	0.69	2/1638 (0.1%)
15	c3	0.62	0/1215	0.77	0/1638
16	C4	0.41	0/901	0.66	0/1217
16	c4	0.56	0/960	0.80	1/1290 (0.1%)

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	# Z >5	RMSZ	# Z >5
17	C5	0.50	0/998	0.69	0/1341
17	c5	0.53	0/1060	0.72	0/1426
18	C6	0.48	0/1125	0.70	2/1510 (0.1%)
18	c6	0.52	0/1131	0.73	0/1518
19	C7	0.47	0/935	0.67	0/1254
19	c7	0.56	0/914	0.73	0/1224
20	C8	0.48	0/1211	0.67	1/1628 (0.1%)
20	c8	0.52	0/1211	0.71	1/1628 (0.1%)
21	C9	0.46	0/1130	0.66	1/1517 (0.1%)
21	c9	0.52	0/1130	0.69	0/1517
22	D0	0.51	0/865	0.64	0/1169
22	d0	0.54	0/892	0.71	0/1205
23	D1	0.50	0/693	0.67	0/935
23	d1	0.57	0/693	0.76	0/935
24	D2	0.53	0/1038	0.73	1/1395 (0.1%)
24	d2	0.66	0/1038	0.81	1/1395 (0.1%)
25	D3	0.65	0/1139	0.84	2/1518 (0.1%)
25	d3	0.74	0/1139	0.90	3/1518 (0.2%)
26	D4	0.48	0/1087	0.64	1/1449 (0.1%)
26	d4	0.57	0/1087	0.72	0/1449
27	D5	0.39	0/571	0.69	0/768
27	d5	0.45	0/566	0.68	0/761
28	D6	0.48	0/782	0.70	0/1047
28	d6	0.59	0/782	0.70	0/1047
29	D7	0.48	0/620	0.67	0/838
29	d7	0.49	0/620	0.73	0/838
30	D8	0.38	0/499	0.58	0/670
30	d8	0.47	0/499	0.71	0/670
31	D9	0.58	0/452	0.77	1/600 (0.2%)
31	d9	0.61	0/452	0.68	0/600
32	E0	0.49	0/483	0.68	0/643
33	E1	0.49	0/577	0.78	0/770
34	SR	0.42	0/2494	0.65	1/3393 (0.0%)
34	sR	0.41	0/2495	0.56	0/3395
35	SM	0.54	0/1113	0.74	2/1502 (0.1%)
35	sM	0.56	0/683	0.70	1/923 (0.1%)
36	1	1.22	218/75394 (0.3%)	1.73	2216/117545 (1.9%)
36	5	1.28	278/75414 (0.4%)	1.76	2268/117575 (1.9%)
37	3	1.01	2/2883 (0.1%)	1.53	48/4491 (1.1%)
37	7	1.25	7/2883 (0.2%)	1.72	82/4491 (1.8%)
38	4	1.15	2/3746 (0.1%)	1.66	87/5832 (1.5%)
38	8	1.11	6/3746 (0.2%)	1.57	46/5832 (0.8%)
39	L2	0.73	0/1948	0.88	1/2617 (0.0%)

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	# Z >5	RMSZ	# Z >5
39	l2	0.81	1/1946 (0.1%)	0.89	0/2614
40	L3	0.77	0/3146	0.86	2/4228 (0.0%)
40	l3	0.90	1/3146 (0.0%)	0.94	5/4228 (0.1%)
41	L4	0.88	0/2800	0.98	8/3790 (0.2%)
41	l4	0.80	1/2800 (0.0%)	0.95	4/3790 (0.1%)
42	L5	0.59	0/2425	0.70	0/3271
42	l5	0.77	0/2408	0.86	3/3248 (0.1%)
43	L6	0.83	0/1260	0.85	0/1694
43	l6	0.83	0/1269	0.90	3/1705 (0.2%)
44	L7	0.81	1/1821 (0.1%)	0.90	2/2451 (0.1%)
44	l7	0.90	1/1828 (0.1%)	0.95	4/2461 (0.2%)
45	L8	0.61	0/1836	0.72	0/2481
45	l8	0.58	0/1795	0.70	2/2429 (0.1%)
46	L9	0.71	0/1539	0.78	0/2073
46	l9	0.85	0/1539	0.86	1/2073 (0.0%)
47	M0	0.80	0/1741	0.90	4/2335 (0.2%)
47	m0	0.80	1/1758 (0.1%)	0.84	1/2358 (0.0%)
48	M1	0.56	0/1374	0.74	1/1842 (0.1%)
48	m1	0.69	0/1374	0.83	1/1842 (0.1%)
49	M3	0.80	0/1568	0.85	0/2106
49	m3	0.73	0/1573	0.85	1/2113 (0.0%)
50	M4	0.77	0/1068	0.82	1/1438 (0.1%)
50	m4	0.86	0/1074	0.85	1/1446 (0.1%)
51	M5	0.81	1/1757 (0.1%)	0.91	3/2354 (0.1%)
51	m5	0.73	0/1757	0.83	1/2354 (0.0%)
52	M6	0.93	1/1585 (0.1%)	0.94	3/2128 (0.1%)
52	m6	1.11	5/1585 (0.3%)	1.08	10/2128 (0.5%)
53	M7	0.84	0/1443	0.87	0/1944
53	m7	0.95	0/1250	0.90	0/1683
54	M8	0.83	0/1465	0.93	3/1965 (0.2%)
54	m8	0.81	0/1465	0.97	4/1965 (0.2%)
55	M9	0.61	0/1538	0.71	0/2050
55	m9	0.68	0/1538	0.75	1/2050 (0.0%)
56	N0	0.81	0/1481	0.89	3/1990 (0.2%)
56	n0	0.92	0/1481	0.93	3/1990 (0.2%)
57	N1	0.84	1/1300 (0.1%)	0.84	0/1743
57	n1	0.90	2/1300 (0.2%)	0.86	0/1743
58	N2	0.45	0/812	0.64	0/1099
58	n2	0.54	0/794	0.69	0/1076
59	N3	0.75	0/1018	0.87	1/1369 (0.1%)
59	n3	0.89	0/1018	0.93	2/1369 (0.1%)
60	N4	0.62	0/712	0.72	0/958
60	n4	0.75	0/1052	0.82	0/1398

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	# Z >5	RMSZ	# Z >5
61	N5	0.65	0/979	0.78	2/1321 (0.2%)
61	n5	0.69	0/974	0.82	0/1314
62	N6	0.75	0/1004	0.95	2/1341 (0.1%)
62	n6	0.71	0/1004	0.88	0/1341
63	N7	0.56	0/1118	0.69	0/1497
63	n7	0.51	0/1118	0.72	3/1497 (0.2%)
64	N8	0.83	0/1204	0.96	3/1612 (0.2%)
64	n8	0.84	1/1204 (0.1%)	0.95	2/1612 (0.1%)
65	N9	0.81	0/473	0.84	0/629
65	n9	0.88	0/473	0.98	1/629 (0.2%)
66	O0	0.52	0/751	0.69	0/1008
66	o0	0.56	0/775	0.70	0/1040
67	O1	0.67	0/890	0.77	1/1196 (0.1%)
67	o1	0.85	0/897	0.91	0/1205
68	O2	0.91	0/1041	0.95	2/1394 (0.1%)
68	o2	0.93	0/1041	0.98	1/1394 (0.1%)
69	O3	0.98	1/868 (0.1%)	0.88	1/1168 (0.1%)
69	o3	0.94	0/868	0.89	1/1168 (0.1%)
70	O4	0.69	0/890	0.84	2/1189 (0.2%)
70	o4	0.65	0/890	0.82	0/1189
71	O5	0.78	0/978	0.81	1/1301 (0.1%)
71	o5	0.62	0/974	0.73	0/1297
72	O6	0.69	0/778	0.82	0/1034
72	o6	0.63	0/777	0.71	0/1033
73	O7	0.89	1/696 (0.1%)	0.98	1/923 (0.1%)
73	o7	0.77	0/696	0.90	2/923 (0.2%)
74	O8	0.58	0/618	0.67	0/826
74	o8	0.46	0/614	0.65	0/822
75	O9	0.88	1/443 (0.2%)	0.91	1/588 (0.2%)
75	o9	0.74	0/443	0.88	0/588
76	Q0	0.76	0/423	0.88	0/562
76	q0	1.00	1/423 (0.2%)	0.96	0/562
77	Q1	0.67	0/234	0.84	0/300
77	q1	0.90	0/234	1.10	3/300 (1.0%)
78	Q2	0.98	1/860 (0.1%)	0.90	0/1136
78	q2	0.86	1/860 (0.1%)	0.86	0/1136
79	Q3	0.77	0/701	0.85	1/934 (0.1%)
79	q3	0.78	0/701	0.87	1/934 (0.1%)
80	e0	0.59	0/499	0.81	0/665
81	e1	0.42	0/619	0.66	0/822
83	p0	0.49	0/1092	0.63	0/1474
All	All	0.96	580/430074 (0.1%)	1.37	5850/631364 (0.9%)

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
7	s5	0	2
9	S7	0	1
9	s7	0	1
16	C4	0	1
16	c4	0	1
17	c5	0	1
18	c6	0	1
19	C7	0	2
22	d0	0	1
26	d4	0	1
27	D5	0	1
28	D6	0	2
33	E1	0	1
39	L2	0	1
39	l2	0	1
40	L3	0	1
41	L4	0	1
43	l6	0	1
44	l7	0	3
45	L8	0	2
48	m1	0	1
49	M3	0	1
50	M4	0	1
52	M6	0	2
52	m6	0	1
53	m7	0	1
59	n3	0	1
60	n4	0	1
64	N8	0	1
64	n8	0	1
65	N9	0	1
65	n9	0	1
67	O1	0	1
75	o9	0	1
79	q3	0	1
81	e1	0	1
All	All	0	43

The worst 5 of 580 bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
36	5	2872	A	N9-C4	-14.78	1.28	1.37
78	Q2	17	CYS	CB-SG	14.00	2.06	1.82
36	5	1152	G	N9-C4	-11.81	1.28	1.38
78	q2	17	CYS	CB-SG	10.92	2.00	1.82
36	1	2404	A	N9-C4	-10.49	1.31	1.37

The worst 5 of 5850 bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
36	5	1152	G	N3-C4-C5	28.07	142.64	128.60
36	5	1152	G	N3-C4-N9	-28.03	109.18	126.00
36	1	2945	G	O5'-P-OP2	-22.30	83.93	110.70
36	5	1152	G	C2-N3-C4	-19.70	102.05	111.90
36	1	1308	A	O5'-P-OP2	-19.57	87.22	110.70

There are no chirality outliers.

5 of 43 planarity outliers are listed below:

Mol	Chain	Res	Type	Group
16	C4	124	ASP	Peptide
19	C7	22	PRO	Peptide
19	C7	85	VAL	Peptide
27	D5	94	LYS	Peptide
9	S7	131	PHE	Peptide

5.2 Too-close contacts [i](#)

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

5.3 Torsion angles [i](#)

5.3.1 Protein backbone [i](#)

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

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

Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
2	S0	204/251 (81%)	141 (69%)	40 (20%)	23 (11%)	0	1
2	s0	204/251 (81%)	156 (76%)	27 (13%)	21 (10%)	0	2
3	S1	212/254 (84%)	147 (69%)	38 (18%)	27 (13%)	0	1
3	s1	214/254 (84%)	179 (84%)	27 (13%)	8 (4%)	2	15
4	S2	215/253 (85%)	179 (83%)	22 (10%)	14 (6%)	1	5
4	s2	215/253 (85%)	178 (83%)	26 (12%)	11 (5%)	1	10
5	S3	221/239 (92%)	181 (82%)	32 (14%)	8 (4%)	3	16
5	s3	221/239 (92%)	185 (84%)	24 (11%)	12 (5%)	1	9
6	S4	258/260 (99%)	206 (80%)	33 (13%)	19 (7%)	1	4
6	s4	258/260 (99%)	209 (81%)	34 (13%)	15 (6%)	1	8
7	S5	204/224 (91%)	159 (78%)	27 (13%)	18 (9%)	0	3
7	s5	204/224 (91%)	159 (78%)	32 (16%)	13 (6%)	1	6
8	S6	224/236 (95%)	198 (88%)	13 (6%)	13 (6%)	1	8
8	s6	216/236 (92%)	188 (87%)	21 (10%)	7 (3%)	3	19
9	S7	182/189 (96%)	134 (74%)	25 (14%)	23 (13%)	0	1
9	s7	184/189 (97%)	145 (79%)	27 (15%)	12 (6%)	1	5
10	S8	184/200 (92%)	149 (81%)	24 (13%)	11 (6%)	1	7
10	s8	184/200 (92%)	152 (83%)	22 (12%)	10 (5%)	1	9
11	S9	183/196 (93%)	152 (83%)	20 (11%)	11 (6%)	1	7
11	s9	183/196 (93%)	150 (82%)	27 (15%)	6 (3%)	3	18
12	C0	94/105 (90%)	74 (79%)	11 (12%)	9 (10%)	0	2
12	c0	92/105 (88%)	61 (66%)	12 (13%)	19 (21%)	0	0
13	C1	153/155 (99%)	120 (78%)	18 (12%)	15 (10%)	0	2
13	c1	144/155 (93%)	126 (88%)	14 (10%)	4 (3%)	4	21
14	C2	122/142 (86%)	69 (57%)	33 (27%)	20 (16%)	0	0
14	c2	122/142 (86%)	72 (59%)	35 (29%)	15 (12%)	0	1
15	C3	148/150 (99%)	123 (83%)	19 (13%)	6 (4%)	2	13
15	c3	148/150 (99%)	120 (81%)	17 (12%)	11 (7%)	1	4
16	C4	125/136 (92%)	96 (77%)	17 (14%)	12 (10%)	0	2
16	c4	126/136 (93%)	102 (81%)	17 (14%)	7 (6%)	1	8
17	C5	122/141 (86%)	96 (79%)	15 (12%)	11 (9%)	0	2
17	c5	133/141 (94%)	96 (72%)	20 (15%)	17 (13%)	0	1

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
18	C6	139/142 (98%)	115 (83%)	17 (12%)	7 (5%)	1	10
18	c6	140/142 (99%)	123 (88%)	9 (6%)	8 (6%)	1	8
19	C7	116/136 (85%)	88 (76%)	20 (17%)	8 (7%)	1	5
19	c7	113/136 (83%)	89 (79%)	19 (17%)	5 (4%)	2	12
20	C8	143/145 (99%)	114 (80%)	19 (13%)	10 (7%)	1	4
20	c8	143/145 (99%)	116 (81%)	18 (13%)	9 (6%)	1	6
21	C9	141/143 (99%)	114 (81%)	22 (16%)	5 (4%)	3	16
21	c9	141/143 (99%)	120 (85%)	16 (11%)	5 (4%)	3	16
22	D0	105/120 (88%)	83 (79%)	14 (13%)	8 (8%)	1	4
22	d0	108/120 (90%)	84 (78%)	13 (12%)	11 (10%)	0	2
23	D1	85/87 (98%)	62 (73%)	18 (21%)	5 (6%)	1	7
23	d1	85/87 (98%)	71 (84%)	12 (14%)	2 (2%)	5	25
24	D2	127/129 (98%)	108 (85%)	17 (13%)	2 (2%)	8	34
24	d2	127/129 (98%)	111 (87%)	14 (11%)	2 (2%)	8	34
25	D3	142/144 (99%)	110 (78%)	17 (12%)	15 (11%)	0	2
25	d3	142/144 (99%)	120 (84%)	18 (13%)	4 (3%)	4	21
26	D4	132/134 (98%)	114 (86%)	8 (6%)	10 (8%)	1	4
26	d4	132/134 (98%)	104 (79%)	20 (15%)	8 (6%)	1	7
27	D5	68/107 (64%)	48 (71%)	13 (19%)	7 (10%)	0	2
27	d5	67/107 (63%)	46 (69%)	16 (24%)	5 (8%)	1	4
28	D6	95/97 (98%)	62 (65%)	14 (15%)	19 (20%)	0	0
28	d6	95/97 (98%)	73 (77%)	10 (10%)	12 (13%)	0	1
29	D7	79/81 (98%)	54 (68%)	17 (22%)	8 (10%)	0	2
29	d7	79/81 (98%)	61 (77%)	15 (19%)	3 (4%)	2	15
30	D8	61/66 (92%)	49 (80%)	7 (12%)	5 (8%)	1	3
30	d8	61/66 (92%)	43 (70%)	12 (20%)	6 (10%)	0	2
31	D9	51/55 (93%)	42 (82%)	6 (12%)	3 (6%)	1	7
31	d9	51/55 (93%)	41 (80%)	6 (12%)	4 (8%)	1	4
32	E0	58/60 (97%)	46 (79%)	10 (17%)	2 (3%)	3	17
33	E1	69/76 (91%)	36 (52%)	14 (20%)	19 (28%)	0	0
34	SR	316/318 (99%)	248 (78%)	51 (16%)	17 (5%)	1	9

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
34	sR	316/318 (99%)	274 (87%)	30 (10%)	12 (4%)	2	15
35	SM	155/273 (57%)	111 (72%)	24 (16%)	20 (13%)	0	1
35	sM	98/273 (36%)	64 (65%)	20 (20%)	14 (14%)	0	1
39	L2	250/253 (99%)	224 (90%)	17 (7%)	9 (4%)	3	16
39	l2	250/253 (99%)	218 (87%)	21 (8%)	11 (4%)	2	12
40	L3	384/386 (100%)	346 (90%)	22 (6%)	16 (4%)	2	13
40	l3	384/386 (100%)	345 (90%)	30 (8%)	9 (2%)	5	26
41	L4	359/361 (99%)	312 (87%)	28 (8%)	19 (5%)	1	9
41	l4	359/361 (99%)	298 (83%)	44 (12%)	17 (5%)	2	11
42	L5	294/296 (99%)	252 (86%)	29 (10%)	13 (4%)	2	12
42	l5	292/296 (99%)	254 (87%)	26 (9%)	12 (4%)	2	13
43	L6	152/175 (87%)	132 (87%)	16 (10%)	4 (3%)	4	23
43	l6	153/175 (87%)	132 (86%)	16 (10%)	5 (3%)	3	18
44	L7	220/243 (90%)	196 (89%)	19 (9%)	5 (2%)	5	26
44	l7	221/243 (91%)	194 (88%)	22 (10%)	5 (2%)	5	26
45	L8	231/255 (91%)	188 (81%)	31 (13%)	12 (5%)	1	9
45	l8	229/255 (90%)	182 (80%)	31 (14%)	16 (7%)	1	4
46	L9	189/191 (99%)	162 (86%)	21 (11%)	6 (3%)	3	19
46	l9	189/191 (99%)	165 (87%)	19 (10%)	5 (3%)	4	23
47	M0	207/220 (94%)	179 (86%)	21 (10%)	7 (3%)	3	17
47	m0	209/220 (95%)	170 (81%)	22 (10%)	17 (8%)	1	3
48	M1	167/173 (96%)	133 (80%)	17 (10%)	17 (10%)	0	2
48	m1	167/173 (96%)	141 (84%)	17 (10%)	9 (5%)	1	9
49	M3	191/198 (96%)	160 (84%)	26 (14%)	5 (3%)	4	23
49	m3	192/198 (97%)	160 (83%)	20 (10%)	12 (6%)	1	6
50	M4	134/137 (98%)	113 (84%)	12 (9%)	9 (7%)	1	5
50	m4	135/137 (98%)	126 (93%)	6 (4%)	3 (2%)	5	27
51	M5	201/203 (99%)	183 (91%)	12 (6%)	6 (3%)	3	20
51	m5	201/203 (99%)	185 (92%)	10 (5%)	6 (3%)	3	20
52	M6	195/198 (98%)	175 (90%)	15 (8%)	5 (3%)	4	23
52	m6	195/198 (98%)	179 (92%)	9 (5%)	7 (4%)	3	16

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
53	M7	181/183 (99%)	156 (86%)	20 (11%)	5 (3%)	4	21
53	m7	153/183 (84%)	142 (93%)	10 (6%)	1 (1%)	19	54
54	M8	183/185 (99%)	161 (88%)	18 (10%)	4 (2%)	5	27
54	m8	183/185 (99%)	155 (85%)	21 (12%)	7 (4%)	2	15
55	M9	186/188 (99%)	166 (89%)	19 (10%)	1 (0%)	25	61
55	m9	186/188 (99%)	170 (91%)	13 (7%)	3 (2%)	8	34
56	N0	170/172 (99%)	157 (92%)	11 (6%)	2 (1%)	11	41
56	n0	170/172 (99%)	158 (93%)	10 (6%)	2 (1%)	11	41
57	N1	157/159 (99%)	139 (88%)	11 (7%)	7 (4%)	2	12
57	n1	157/159 (99%)	140 (89%)	11 (7%)	6 (4%)	2	15
58	N2	98/120 (82%)	72 (74%)	19 (19%)	7 (7%)	1	4
58	n2	96/120 (80%)	81 (84%)	11 (12%)	4 (4%)	2	13
59	N3	134/136 (98%)	123 (92%)	9 (7%)	2 (2%)	8	36
59	n3	134/136 (98%)	125 (93%)	9 (7%)	0	100	100
60	N4	96/155 (62%)	75 (78%)	12 (12%)	9 (9%)	0	2
60	n4	133/155 (86%)	105 (79%)	16 (12%)	12 (9%)	0	2
61	N5	119/141 (84%)	106 (89%)	12 (10%)	1 (1%)	16	51
61	n5	118/141 (84%)	101 (86%)	12 (10%)	5 (4%)	2	13
62	N6	124/126 (98%)	112 (90%)	6 (5%)	6 (5%)	2	11
62	n6	124/126 (98%)	113 (91%)	6 (5%)	5 (4%)	2	14
63	N7	133/135 (98%)	112 (84%)	12 (9%)	9 (7%)	1	5
63	n7	133/135 (98%)	106 (80%)	19 (14%)	8 (6%)	1	7
64	N8	146/148 (99%)	119 (82%)	19 (13%)	8 (6%)	1	8
64	n8	146/148 (99%)	124 (85%)	15 (10%)	7 (5%)	2	11
65	N9	56/58 (97%)	48 (86%)	4 (7%)	4 (7%)	1	4
65	n9	56/58 (97%)	43 (77%)	6 (11%)	7 (12%)	0	1
66	O0	95/104 (91%)	86 (90%)	6 (6%)	3 (3%)	3	19
66	o0	98/104 (94%)	84 (86%)	11 (11%)	3 (3%)	3	19
67	O1	107/112 (96%)	96 (90%)	7 (6%)	4 (4%)	2	15
67	o1	107/112 (96%)	88 (82%)	7 (6%)	12 (11%)	0	1
68	O2	125/129 (97%)	110 (88%)	14 (11%)	1 (1%)	16	51

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
68	o2	125/129 (97%)	108 (86%)	12 (10%)	5 (4%)	2	14
69	O3	104/106 (98%)	96 (92%)	6 (6%)	2 (2%)	6	31
69	o3	104/106 (98%)	95 (91%)	7 (7%)	2 (2%)	6	31
70	O4	110/119 (92%)	95 (86%)	13 (12%)	2 (2%)	7	32
70	o4	110/119 (92%)	99 (90%)	10 (9%)	1 (1%)	14	49
71	O5	117/119 (98%)	106 (91%)	10 (8%)	1 (1%)	14	49
71	o5	117/119 (98%)	97 (83%)	11 (9%)	9 (8%)	1	4
72	O6	97/99 (98%)	80 (82%)	11 (11%)	6 (6%)	1	7
72	o6	97/99 (98%)	84 (87%)	9 (9%)	4 (4%)	2	13
73	O7	85/87 (98%)	73 (86%)	8 (9%)	4 (5%)	2	11
73	o7	85/87 (98%)	72 (85%)	12 (14%)	1 (1%)	11	41
74	O8	75/77 (97%)	66 (88%)	8 (11%)	1 (1%)	10	39
74	o8	75/77 (97%)	66 (88%)	6 (8%)	3 (4%)	2	14
75	O9	48/50 (96%)	43 (90%)	4 (8%)	1 (2%)	5	28
75	o9	48/50 (96%)	40 (83%)	7 (15%)	1 (2%)	5	28
76	Q0	50/52 (96%)	47 (94%)	1 (2%)	2 (4%)	2	14
76	q0	50/52 (96%)	45 (90%)	4 (8%)	1 (2%)	6	29
77	Q1	23/25 (92%)	20 (87%)	2 (9%)	1 (4%)	2	13
77	q1	23/25 (92%)	19 (83%)	4 (17%)	0	100	100
78	Q2	103/105 (98%)	82 (80%)	18 (18%)	3 (3%)	3	20
78	q2	103/105 (98%)	93 (90%)	8 (8%)	2 (2%)	6	31
79	Q3	89/91 (98%)	77 (86%)	10 (11%)	2 (2%)	5	27
79	q3	89/91 (98%)	80 (90%)	8 (9%)	1 (1%)	12	44
80	e0	60/62 (97%)	45 (75%)	8 (13%)	7 (12%)	0	1
81	e1	74/76 (97%)	36 (49%)	19 (26%)	19 (26%)	0	0
83	p0	139/311 (45%)	119 (86%)	16 (12%)	4 (3%)	3	20
All	All	22333/24141 (92%)	18606 (83%)	2512 (11%)	1215 (5%)	1	9

5 of 1215 Ramachandran outliers are listed below:

Mol	Chain	Res	Type
2	S0	4	PRO
2	S0	39	ASN

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Mol	Chain	Res	Type
2	S0	66	ALA
2	S0	139	VAL
2	S0	140	ASN

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%)	138 (84%)	26 (16%)	2	10
2	s0	165/209 (79%)	130 (79%)	35 (21%)	1	4
3	S1	191/223 (86%)	152 (80%)	39 (20%)	1	5
3	s1	192/223 (86%)	156 (81%)	36 (19%)	1	7
4	S2	176/204 (86%)	143 (81%)	33 (19%)	1	7
4	s2	176/204 (86%)	131 (74%)	45 (26%)	0	2
5	S3	182/194 (94%)	138 (76%)	44 (24%)	0	3
5	s3	182/194 (94%)	149 (82%)	33 (18%)	1	7
6	S4	221/221 (100%)	181 (82%)	40 (18%)	1	7
6	s4	221/221 (100%)	184 (83%)	37 (17%)	2	9
7	S5	173/190 (91%)	145 (84%)	28 (16%)	2	10
7	s5	173/190 (91%)	137 (79%)	36 (21%)	1	5
8	S6	188/201 (94%)	156 (83%)	32 (17%)	1	9
8	s6	187/201 (93%)	151 (81%)	36 (19%)	1	6
9	S7	165/169 (98%)	137 (83%)	28 (17%)	1	9
9	s7	165/169 (98%)	139 (84%)	26 (16%)	2	10
10	S8	150/161 (93%)	127 (85%)	23 (15%)	2	11
10	s8	150/161 (93%)	126 (84%)	24 (16%)	2	10
11	S9	158/165 (96%)	125 (79%)	33 (21%)	1	4
11	s9	158/165 (96%)	128 (81%)	30 (19%)	1	7
12	C0	77/98 (79%)	65 (84%)	12 (16%)	2	11

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
12	c0	73/98 (74%)	61 (84%)	12 (16%)	2	9
13	C1	129/136 (95%)	105 (81%)	24 (19%)	1	7
13	c1	129/136 (95%)	109 (84%)	20 (16%)	2	11
14	C2	88/118 (75%)	68 (77%)	20 (23%)	0	3
14	c2	88/118 (75%)	64 (73%)	24 (27%)	0	2
15	C3	127/127 (100%)	106 (84%)	21 (16%)	2	9
15	c3	127/127 (100%)	106 (84%)	21 (16%)	2	9
16	C4	81/104 (78%)	57 (70%)	24 (30%)	0	1
16	c4	97/104 (93%)	81 (84%)	16 (16%)	2	9
17	C5	101/117 (86%)	84 (83%)	17 (17%)	1	9
17	c5	103/117 (88%)	81 (79%)	22 (21%)	1	4
18	C6	117/118 (99%)	90 (77%)	27 (23%)	0	3
18	c6	118/118 (100%)	99 (84%)	19 (16%)	2	10
19	C7	94/124 (76%)	73 (78%)	21 (22%)	1	3
19	c7	92/124 (74%)	69 (75%)	23 (25%)	0	2
20	C8	128/128 (100%)	101 (79%)	27 (21%)	1	4
20	c8	128/128 (100%)	104 (81%)	24 (19%)	1	7
21	C9	115/115 (100%)	89 (77%)	26 (23%)	1	3
21	c9	115/115 (100%)	94 (82%)	21 (18%)	1	7
22	D0	100/113 (88%)	76 (76%)	24 (24%)	0	3
22	d0	103/113 (91%)	81 (79%)	22 (21%)	1	4
23	D1	74/74 (100%)	54 (73%)	20 (27%)	0	2
23	d1	74/74 (100%)	59 (80%)	15 (20%)	1	5
24	D2	110/110 (100%)	85 (77%)	25 (23%)	0	3
24	d2	110/110 (100%)	98 (89%)	12 (11%)	5	22
25	D3	119/119 (100%)	97 (82%)	22 (18%)	1	7
25	d3	119/119 (100%)	96 (81%)	23 (19%)	1	6
26	D4	112/112 (100%)	95 (85%)	17 (15%)	2	11
26	d4	112/112 (100%)	97 (87%)	15 (13%)	3	15
27	D5	61/88 (69%)	47 (77%)	14 (23%)	0	3
27	d5	61/88 (69%)	50 (82%)	11 (18%)	1	7

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
28	D6	83/83 (100%)	70 (84%)	13 (16%)	2	10
28	d6	83/83 (100%)	72 (87%)	11 (13%)	3	15
29	D7	70/70 (100%)	56 (80%)	14 (20%)	1	5
29	d7	70/70 (100%)	58 (83%)	12 (17%)	1	8
30	D8	56/59 (95%)	42 (75%)	14 (25%)	0	2
30	d8	56/59 (95%)	44 (79%)	12 (21%)	1	4
31	D9	47/48 (98%)	40 (85%)	7 (15%)	2	12
31	d9	47/48 (98%)	39 (83%)	8 (17%)	1	9
32	E0	51/51 (100%)	44 (86%)	7 (14%)	3	14
33	E1	62/66 (94%)	47 (76%)	15 (24%)	0	3
34	SR	260/261 (100%)	230 (88%)	30 (12%)	4	20
34	sR	260/261 (100%)	233 (90%)	27 (10%)	5	23
35	SM	97/228 (42%)	78 (80%)	19 (20%)	1	6
35	sM	54/228 (24%)	43 (80%)	11 (20%)	1	5
39	L2	193/195 (99%)	152 (79%)	41 (21%)	1	4
39	l2	192/195 (98%)	153 (80%)	39 (20%)	1	5
40	L3	321/322 (100%)	248 (77%)	73 (23%)	0	3
40	l3	320/322 (99%)	259 (81%)	61 (19%)	1	7
41	L4	288/288 (100%)	242 (84%)	46 (16%)	2	10
41	l4	288/288 (100%)	231 (80%)	57 (20%)	1	6
42	L5	244/244 (100%)	196 (80%)	48 (20%)	1	6
42	l5	243/244 (100%)	192 (79%)	51 (21%)	1	4
43	L6	134/152 (88%)	116 (87%)	18 (13%)	3	15
43	l6	135/152 (89%)	113 (84%)	22 (16%)	2	9
44	L7	186/204 (91%)	163 (88%)	23 (12%)	4	17
44	l7	187/204 (92%)	157 (84%)	30 (16%)	2	10
45	L8	187/207 (90%)	153 (82%)	34 (18%)	1	7
45	l8	177/207 (86%)	141 (80%)	36 (20%)	1	5
46	L9	171/171 (100%)	137 (80%)	34 (20%)	1	6
46	l9	171/171 (100%)	138 (81%)	33 (19%)	1	6
47	M0	177/186 (95%)	139 (78%)	38 (22%)	1	4

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
47	m0	179/186 (96%)	149 (83%)	30 (17%)	1	9
48	M1	147/150 (98%)	122 (83%)	25 (17%)	1	9
48	m1	147/150 (98%)	118 (80%)	29 (20%)	1	6
49	M3	154/158 (98%)	129 (84%)	25 (16%)	2	10
49	m3	154/158 (98%)	134 (87%)	20 (13%)	3	16
50	M4	107/108 (99%)	89 (83%)	18 (17%)	1	9
50	m4	108/108 (100%)	88 (82%)	20 (18%)	1	7
51	M5	175/175 (100%)	147 (84%)	28 (16%)	2	10
51	m5	175/175 (100%)	150 (86%)	25 (14%)	2	13
52	M6	160/161 (99%)	133 (83%)	27 (17%)	1	9
52	m6	160/161 (99%)	125 (78%)	35 (22%)	1	4
53	M7	140/145 (97%)	112 (80%)	28 (20%)	1	5
53	m7	125/145 (86%)	104 (83%)	21 (17%)	1	9
54	M8	150/150 (100%)	124 (83%)	26 (17%)	1	8
54	m8	150/150 (100%)	125 (83%)	25 (17%)	2	9
55	M9	153/153 (100%)	128 (84%)	25 (16%)	2	9
55	m9	153/153 (100%)	128 (84%)	25 (16%)	2	9
56	N0	156/156 (100%)	125 (80%)	31 (20%)	1	6
56	n0	156/156 (100%)	120 (77%)	36 (23%)	0	3
57	N1	136/136 (100%)	109 (80%)	27 (20%)	1	6
57	n1	136/136 (100%)	107 (79%)	29 (21%)	1	4
58	N2	87/106 (82%)	76 (87%)	11 (13%)	3	17
58	n2	85/106 (80%)	72 (85%)	13 (15%)	2	11
59	N3	104/104 (100%)	84 (81%)	20 (19%)	1	6
59	n3	104/104 (100%)	89 (86%)	15 (14%)	2	13
60	N4	57/129 (44%)	50 (88%)	7 (12%)	4	18
60	n4	100/129 (78%)	84 (84%)	16 (16%)	2	10
61	N5	104/117 (89%)	81 (78%)	23 (22%)	1	4
61	n5	104/117 (89%)	81 (78%)	23 (22%)	1	4
62	N6	109/109 (100%)	86 (79%)	23 (21%)	1	4
62	n6	109/109 (100%)	80 (73%)	29 (27%)	0	2

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
63	N7	115/115 (100%)	93 (81%)	22 (19%)	1	7
63	n7	115/115 (100%)	88 (76%)	27 (24%)	0	3
64	N8	118/118 (100%)	98 (83%)	20 (17%)	1	9
64	n8	118/118 (100%)	92 (78%)	26 (22%)	1	4
65	N9	46/46 (100%)	37 (80%)	9 (20%)	1	6
65	n9	46/46 (100%)	37 (80%)	9 (20%)	1	6
66	O0	81/87 (93%)	69 (85%)	12 (15%)	2	12
66	o0	84/87 (97%)	67 (80%)	17 (20%)	1	5
67	O1	92/96 (96%)	74 (80%)	18 (20%)	1	6
67	o1	94/96 (98%)	74 (79%)	20 (21%)	1	4
68	O2	109/110 (99%)	87 (80%)	22 (20%)	1	5
68	o2	109/110 (99%)	86 (79%)	23 (21%)	1	4
69	O3	90/90 (100%)	77 (86%)	13 (14%)	2	13
69	o3	90/90 (100%)	76 (84%)	14 (16%)	2	11
70	O4	95/101 (94%)	79 (83%)	16 (17%)	1	9
70	o4	95/101 (94%)	79 (83%)	16 (17%)	1	9
71	O5	104/104 (100%)	78 (75%)	26 (25%)	0	2
71	o5	103/104 (99%)	84 (82%)	19 (18%)	1	7
72	O6	81/81 (100%)	64 (79%)	17 (21%)	1	4
72	o6	80/81 (99%)	55 (69%)	25 (31%)	0	1
73	O7	70/70 (100%)	57 (81%)	13 (19%)	1	7
73	o7	70/70 (100%)	56 (80%)	14 (20%)	1	5
74	O8	68/68 (100%)	53 (78%)	15 (22%)	1	4
74	o8	67/68 (98%)	53 (79%)	14 (21%)	1	4
75	O9	45/45 (100%)	36 (80%)	9 (20%)	1	5
75	o9	45/45 (100%)	35 (78%)	10 (22%)	1	4
76	Q0	47/47 (100%)	39 (83%)	8 (17%)	1	9
76	q0	47/47 (100%)	35 (74%)	12 (26%)	0	2
77	Q1	23/23 (100%)	16 (70%)	7 (30%)	0	1
77	q1	23/23 (100%)	15 (65%)	8 (35%)	0	1
78	Q2	90/90 (100%)	71 (79%)	19 (21%)	1	4

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
78	q2	90/90 (100%)	69 (77%)	21 (23%)	0	3
79	Q3	71/71 (100%)	57 (80%)	14 (20%)	1	6
79	q3	71/71 (100%)	61 (86%)	10 (14%)	3	13
80	e0	53/53 (100%)	40 (76%)	13 (24%)	0	2
81	e1	66/66 (100%)	52 (79%)	14 (21%)	1	4
83	p0	105/253 (42%)	88 (84%)	17 (16%)	2	10
All	All	18729/20239 (92%)	15216 (81%)	3513 (19%)	1	7

5 of 3513 residues with a non-rotameric sidechain are listed below:

Mol	Chain	Res	Type
4	s2	194	GLU
22	d0	57	ARG
83	p0	104	ARG
62	n6	57	LEU
6	s4	78	THR

Sometimes sidechains can be flipped to improve hydrogen bonding and reduce clashes. 5 of 43 such sidechains are listed below:

Mol	Chain	Res	Type
20	c8	103	ASN
39	l2	250	GLN
24	d2	56	HIS
31	d9	53	ASN
59	n3	33	ASN

5.3.3 RNA ⓘ

Mol	Chain	Analysed	Backbone Outliers	Pucker Outliers
1	2	1747/1800 (97%)	451 (25%)	52 (2%)
1	6	1792/1800 (99%)	445 (24%)	46 (2%)
36	1	3145/3396 (92%)	661 (21%)	86 (2%)
36	5	3145/3396 (92%)	639 (20%)	90 (2%)
37	3	120/121 (99%)	14 (11%)	2 (1%)
37	7	120/121 (99%)	21 (17%)	1 (0%)
38	4	157/158 (99%)	34 (21%)	5 (3%)
38	8	157/158 (99%)	35 (22%)	2 (1%)
All	All	10383/10950 (94%)	2300 (22%)	284 (2%)

5 of 2300 RNA backbone outliers are listed below:

Mol	Chain	Res	Type
1	2	2	A
1	2	4	C
1	2	8	U
1	2	17	C
1	2	25	C

5 of 284 RNA pucker outliers are listed below:

Mol	Chain	Res	Type
36	5	1560	G
36	5	1841	A
36	5	2772	C
36	1	1841	A
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 2561 ligands modelled in this entry, 1426 are monoatomic - leaving 1135 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	$\# Z > 2$
87	OHX	2	2031	-	0,6,6	-	-	-		
87	OHX	8	215	-	0,6,6	-	-	-		
87	OHX	5	4066	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
87	OHX	5	4143	-	0,6,6	-	-	-		
87	OHX	5	3915	-	0,6,6	-	-	-		
87	OHX	m6	202	-	0,6,6	-	-	-		
87	OHX	5	4121	-	0,6,6	-	-	-		
87	OHX	1	4082	-	0,6,6	-	-	-		
87	OHX	1	3894	-	0,6,6	-	-	-		
87	OHX	5	3946	-	0,6,6	-	-	-		
87	OHX	1	4143	-	0,6,6	-	-	-		
87	OHX	1	4011	-	0,6,6	-	-	-		
87	OHX	5	4131	-	0,6,6	-	-	-		
87	OHX	2	2082	-	0,6,6	-	-	-		
87	OHX	5	4039	-	0,6,6	-	-	-		
87	OHX	6	2076	-	0,6,6	-	-	-		
87	OHX	6	2142	-	0,6,6	-	-	-		
87	OHX	1	3870	-	0,6,6	-	-	-		
87	OHX	5	3959	-	0,6,6	-	-	-		
87	OHX	1	4190	-	0,6,6	-	-	-		
87	OHX	8	213	-	0,6,6	-	-	-		
87	OHX	5	4020	-	0,6,6	-	-	-		
87	OHX	1	3999	-	0,6,6	-	-	-		
87	OHX	1	3916	-	0,6,6	-	-	-		
87	OHX	1	3902	-	0,6,6	-	-	-		
87	OHX	5	3917	-	0,6,6	-	-	-		
87	OHX	5	4205	-	0,6,6	-	-	-		
87	OHX	5	3934	-	0,6,6	-	-	-		
87	OHX	4	237	-	0,6,6	-	-	-		
87	OHX	1	4044	-	0,6,6	-	-	-		
87	OHX	3	222	-	0,6,6	-	-	-		
87	OHX	2	2164	-	0,6,6	-	-	-		
87	OHX	8	221	-	0,6,6	-	-	-		
87	OHX	1	4205	-	0,6,6	-	-	-		
87	OHX	6	2070	-	0,6,6	-	-	-		
87	OHX	2	2167	-	0,6,6	-	-	-		
87	OHX	2	2081	-	0,6,6	-	-	-		
87	OHX	6	2177	-	0,6,6	-	-	-		
87	OHX	5	3967	-	0,6,6	-	-	-		
87	OHX	5	4099	-	0,6,6	-	-	-		
87	OHX	1	4169	-	0,6,6	-	-	-		
87	OHX	1	4002	-	0,6,6	-	-	-		
87	OHX	1	4125	-	0,6,6	-	-	-		
87	OHX	6	2128	-	0,6,6	-	-	-		
87	OHX	6	2197	-	0,6,6	-	-	-		
87	OHX	2	2080	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
87	OHX	5	4130	-	0,6,6	-	-	-		
87	OHX	1	3992	-	0,6,6	-	-	-		
87	OHX	1	3993	-	0,6,6	-	-	-		
87	OHX	6	2189	-	0,6,6	-	-	-		
87	OHX	6	2107	-	0,6,6	-	-	-		
87	OHX	6	2134	-	0,6,6	-	-	-		
87	OHX	5	4008	-	0,6,6	-	-	-		
87	OHX	5	4016	-	0,6,6	-	-	-		
87	OHX	8	222	-	0,6,6	-	-	-		
87	OHX	1	4137	-	0,6,6	-	-	-		
87	OHX	5	4172	-	0,6,6	-	-	-		
87	OHX	6	2195	-	0,6,6	-	-	-		
87	OHX	1	4009	-	0,6,6	-	-	-		
87	OHX	5	4036	-	0,6,6	-	-	-		
87	OHX	2	2160	-	0,6,6	-	-	-		
87	OHX	1	4063	-	0,6,6	-	-	-		
87	OHX	5	4156	-	0,6,6	-	-	-		
87	OHX	2	2151	-	0,6,6	-	-	-		
87	OHX	2	2062	-	0,6,6	-	-	-		
87	OHX	6	2050	-	0,6,6	-	-	-		
87	OHX	5	4164	-	0,6,6	-	-	-		
87	OHX	1	4004	-	0,6,6	-	-	-		
87	OHX	5	3982	-	0,6,6	-	-	-		
87	OHX	1	4005	-	0,6,6	-	-	-		
87	OHX	1	4051	-	0,6,6	-	-	-		
87	OHX	1	4128	-	0,6,6	-	-	-		
87	OHX	5	4107	-	0,6,6	-	-	-		
87	OHX	5	4030	-	0,6,6	-	-	-		
87	OHX	5	3933	-	0,6,6	-	-	-		
87	OHX	5	4082	-	0,6,6	-	-	-		
87	OHX	1	4023	-	0,6,6	-	-	-		
87	OHX	1	3895	-	0,6,6	-	-	-		
87	OHX	5	4077	-	0,6,6	-	-	-		
87	OHX	6	2172	-	0,6,6	-	-	-		
87	OHX	5	4011	-	0,6,6	-	-	-		
87	OHX	d9	102	-	0,6,6	-	-	-		
87	OHX	5	4138	-	0,6,6	-	-	-		
87	OHX	1	3937	-	0,6,6	-	-	-		
87	OHX	5	4251	-	0,6,6	-	-	-		
87	OHX	5	4180	-	0,6,6	-	-	-		
87	OHX	2	2065	-	0,6,6	-	-	-		
87	OHX	19	600	-	0,6,6	-	-	-		
87	OHX	1	3976	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
87	OHX	6	2148	-	0,6,6	-	-	-		
87	OHX	5	4142	-	0,6,6	-	-	-		
87	OHX	5	3921	-	0,6,6	-	-	-		
87	OHX	5	4045	-	0,6,6	-	-	-		
87	OHX	2	2028	-	0,6,6	-	-	-		
87	OHX	5	3926	-	0,6,6	-	-	-		
87	OHX	5	4098	-	0,6,6	-	-	-		
87	OHX	2	2119	-	0,6,6	-	-	-		
87	OHX	6	2192	-	0,6,6	-	-	-		
87	OHX	6	2157	-	0,6,6	-	-	-		
87	OHX	4	224	-	0,6,6	-	-	-		
87	OHX	2	2153	-	0,6,6	-	-	-		
87	OHX	6	2124	-	0,6,6	-	-	-		
87	OHX	1	4042	-	0,6,6	-	-	-		
87	OHX	1	3898	-	0,6,6	-	-	-		
87	OHX	1	4199	-	0,6,6	-	-	-		
87	OHX	5	4074	-	0,6,6	-	-	-		
87	OHX	2	2055	-	0,6,6	-	-	-		
87	OHX	6	2082	-	0,6,6	-	-	-		
87	OHX	6	2109	-	0,6,6	-	-	-		
87	OHX	6	2115	-	0,6,6	-	-	-		
87	OHX	5	4048	-	0,6,6	-	-	-		
87	OHX	6	2180	-	0,6,6	-	-	-		
87	OHX	2	2034	-	0,6,6	-	-	-		
87	OHX	1	3967	-	0,6,6	-	-	-		
87	OHX	5	4009	-	0,6,6	-	-	-		
87	OHX	1	3924	-	0,6,6	-	-	-		
87	OHX	5	4187	-	0,6,6	-	-	-		
87	OHX	5	4173	-	0,6,6	-	-	-		
87	OHX	1	4176	-	0,6,6	-	-	-		
87	OHX	5	4218	-	0,6,6	-	-	-		
87	OHX	1	4147	-	0,6,6	-	-	-		
87	OHX	5	3976	-	0,6,6	-	-	-		
87	OHX	5	4248	-	0,6,6	-	-	-		
87	OHX	15	306	-	0,6,6	-	-	-		
87	OHX	5	4014	-	0,6,6	-	-	-		
87	OHX	1	3954	-	0,6,6	-	-	-		
87	OHX	2	2113	-	0,6,6	-	-	-		
87	OHX	6	2065	-	0,6,6	-	-	-		
87	OHX	6	2202	-	0,6,6	-	-	-		
87	OHX	5	3952	-	0,6,6	-	-	-		
87	OHX	1	4021	-	0,6,6	-	-	-		
87	OHX	5	4189	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\# Z > 2$	Counts	RMSZ	$\# Z > 2$
87	OHX	6	2100	-	0,6,6	-	-	-		
87	OHX	1	3896	-	0,6,6	-	-	-		
87	OHX	6	2049	-	0,6,6	-	-	-		
87	OHX	5	3954	-	0,6,6	-	-	-		
87	OHX	5	3984	-	0,6,6	-	-	-		
87	OHX	1	3908	-	0,6,6	-	-	-		
87	OHX	2	2103	-	0,6,6	-	-	-		
87	OHX	6	2188	-	0,6,6	-	-	-		
87	OHX	5	4021	-	0,6,6	-	-	-		
87	OHX	1	3922	-	0,6,6	-	-	-		
87	OHX	1	4033	-	0,6,6	-	-	-		
87	OHX	1	4164	-	0,6,6	-	-	-		
87	OHX	2	2138	-	0,6,6	-	-	-		
87	OHX	5	4046	-	0,6,6	-	-	-		
87	OHX	2	2035	-	0,6,6	-	-	-		
87	OHX	5	3989	-	0,6,6	-	-	-		
87	OHX	14	403	-	0,6,6	-	-	-		
87	OHX	2	2165	-	0,6,6	-	-	-		
87	OHX	1	4078	-	0,6,6	-	-	-		
87	OHX	6	2081	-	0,6,6	-	-	-		
87	OHX	1	3960	-	0,6,6	-	-	-		
87	OHX	1	4159	-	0,6,6	-	-	-		
87	OHX	1	3905	-	0,6,6	-	-	-		
87	OHX	1	4141	-	0,6,6	-	-	-		
87	OHX	6	2083	-	0,6,6	-	-	-		
87	OHX	5	4161	-	0,6,6	-	-	-		
87	OHX	1	4062	-	0,6,6	-	-	-		
87	OHX	5	4022	-	0,6,6	-	-	-		
87	OHX	6	2067	-	0,6,6	-	-	-		
87	OHX	6	2170	-	0,6,6	-	-	-		
87	OHX	5	4225	-	0,6,6	-	-	-		
87	OHX	1	4076	-	0,6,6	-	-	-		
87	OHX	1	4019	-	0,6,6	-	-	-		
87	OHX	1	4098	-	0,6,6	-	-	-		
87	OHX	1	4168	-	0,6,6	-	-	-		
87	OHX	6	2167	-	0,6,6	-	-	-		
87	OHX	1	4047	-	0,6,6	-	-	-		
87	OHX	4	235	-	0,6,6	-	-	-		
87	OHX	5	4000	-	0,6,6	-	-	-		
87	OHX	5	4184	-	0,6,6	-	-	-		
87	OHX	1	3974	-	0,6,6	-	-	-		
87	OHX	6	2064	-	0,6,6	-	-	-		
87	OHX	S8	302	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
87	OHX	5	4062	-	0,6,6	-	-	-		
87	OHX	1	3968	-	0,6,6	-	-	-		
87	OHX	1	4146	-	0,6,6	-	-	-		
87	OHX	6	2152	-	0,6,6	-	-	-		
87	OHX	d4	202	-	0,6,6	-	-	-		
87	OHX	5	3957	-	0,6,6	-	-	-		
87	OHX	1	3963	-	0,6,6	-	-	-		
87	OHX	2	2106	-	0,6,6	-	-	-		
87	OHX	2	2149	-	0,6,6	-	-	-		
87	OHX	5	3903	-	0,6,6	-	-	-		
87	OHX	1	3886	-	0,6,6	-	-	-		
87	OHX	1	4103	-	0,6,6	-	-	-		
87	OHX	2	2111	-	0,6,6	-	-	-		
87	OHX	5	3975	-	0,6,6	-	-	-		
87	OHX	5	4147	-	0,6,6	-	-	-		
87	OHX	m4	201	-	0,6,6	-	-	-		
87	OHX	1	3884	-	0,6,6	-	-	-		
87	OHX	1	4024	-	0,6,6	-	-	-		
87	OHX	6	2191	-	0,6,6	-	-	-		
87	OHX	2	2024	-	0,6,6	-	-	-		
87	OHX	1	3947	-	0,6,6	-	-	-		
87	OHX	5	4151	-	0,6,6	-	-	-		
87	OHX	5	4073	-	0,6,6	-	-	-		
87	OHX	1	4029	-	0,6,6	-	-	-		
87	OHX	1	4072	-	0,6,6	-	-	-		
87	OHX	2	2077	-	0,6,6	-	-	-		
87	OHX	2	2158	-	0,6,6	-	-	-		
87	OHX	1	4192	-	0,6,6	-	-	-		
87	OHX	6	2087	-	0,6,6	-	-	-		
87	OHX	6	2119	-	0,6,6	-	-	-		
87	OHX	5	3920	-	0,6,6	-	-	-		
87	OHX	2	2107	-	0,6,6	-	-	-		
87	OHX	2	2134	-	0,6,6	-	-	-		
87	OHX	1	4027	-	0,6,6	-	-	-		
87	OHX	5	4198	-	0,6,6	-	-	-		
87	OHX	5	4067	-	0,6,6	-	-	-		
87	OHX	6	2153	-	0,6,6	-	-	-		
87	OHX	L4	402	-	0,6,6	-	-	-		
87	OHX	7	222	-	0,6,6	-	-	-		
87	OHX	1	3879	-	0,6,6	-	-	-		
87	OHX	1	3980	-	0,6,6	-	-	-		
87	OHX	1	3883	-	0,6,6	-	-	-		
87	OHX	1	3982	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
87	OHX	1	4055	-	0,6,6	-	-	-		
87	OHX	5	4208	-	0,6,6	-	-	-		
87	OHX	2	2087	-	0,6,6	-	-	-		
87	OHX	1	3910	-	0,6,6	-	-	-		
87	OHX	1	4149	-	0,6,6	-	-	-		
87	OHX	4	231	-	0,6,6	-	-	-		
87	OHX	8	224	-	0,6,6	-	-	-		
87	OHX	2	2046	-	0,6,6	-	-	-		
87	OHX	5	3980	-	0,6,6	-	-	-		
87	OHX	1	4122	-	0,6,6	-	-	-		
87	OHX	5	4078	-	0,6,6	-	-	-		
87	OHX	5	4186	-	0,6,6	-	-	-		
87	OHX	6	2129	-	0,6,6	-	-	-		
87	OHX	5	4060	-	0,6,6	-	-	-		
87	OHX	5	4038	-	0,6,6	-	-	-		
87	OHX	5	4101	-	0,6,6	-	-	-		
87	OHX	1	3978	-	0,6,6	-	-	-		
87	OHX	5	4056	-	0,6,6	-	-	-		
87	OHX	6	2113	-	0,6,6	-	-	-		
87	OHX	1	3996	-	0,6,6	-	-	-		
87	OHX	5	3942	-	0,6,6	-	-	-		
87	OHX	5	3965	-	0,6,6	-	-	-		
87	OHX	1	3880	-	0,6,6	-	-	-		
87	OHX	1	3971	-	0,6,6	-	-	-		
87	OHX	5	3932	-	0,6,6	-	-	-		
87	OHX	3	216	-	0,6,6	-	-	-		
87	OHX	2	2174	-	0,6,6	-	-	-		
87	OHX	1	4041	-	0,6,6	-	-	-		
87	OHX	2	2032	-	0,6,6	-	-	-		
87	OHX	6	2160	-	0,6,6	-	-	-		
87	OHX	6	2186	-	0,6,6	-	-	-		
87	OHX	2	2116	-	0,6,6	-	-	-		
87	OHX	1	3920	-	0,6,6	-	-	-		
87	OHX	1	4070	-	0,6,6	-	-	-		
87	OHX	1	4174	-	0,6,6	-	-	-		
87	OHX	5	3974	-	0,6,6	-	-	-		
87	OHX	5	3981	-	0,6,6	-	-	-		
87	OHX	5	4136	-	0,6,6	-	-	-		
87	OHX	6	2158	-	0,6,6	-	-	-		
87	OHX	3	221	-	0,6,6	-	-	-		
87	OHX	2	2173	-	0,6,6	-	-	-		
87	OHX	1	4213	-	0,6,6	-	-	-		
87	OHX	5	4088	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
87	OHX	1	4101	-	0,6,6	-	-	-		
87	OHX	5	3963	-	0,6,6	-	-	-		
87	OHX	5	4044	-	0,6,6	-	-	-		
87	OHX	5	3913	-	0,6,6	-	-	-		
87	OHX	5	4053	-	0,6,6	-	-	-		
89	ANM	5	4260	-	20,20,20	1.44	3 (15%)	24,27,27	1.86	5 (20%)
87	OHX	5	3918	-	0,6,6	-	-	-		
87	OHX	1	4088	-	0,6,6	-	-	-		
87	OHX	5	4241	87	0,6,6	-	-	-		
87	OHX	2	2038	-	0,6,6	-	-	-		
87	OHX	L3	403	-	0,6,6	-	-	-		
87	OHX	14	402	-	0,6,6	-	-	-		
87	OHX	6	2103	-	0,6,6	-	-	-		
87	OHX	5	3940	-	0,6,6	-	-	-		
87	OHX	1	3939	-	0,6,6	-	-	-		
87	OHX	2	2098	-	0,6,6	-	-	-		
87	OHX	2	2029	-	0,6,6	-	-	-		
87	OHX	s4	301	-	0,6,6	-	-	-		
87	OHX	5	4097	-	0,6,6	-	-	-		
87	OHX	5	4128	-	0,6,6	-	-	-		
87	OHX	5	4226	-	0,6,6	-	-	-		
87	OHX	m1	202	-	0,6,6	-	-	-		
87	OHX	1	4012	-	0,6,6	-	-	-		
87	OHX	2	2112	-	0,6,6	-	-	-		
87	OHX	1	4197	-	0,6,6	-	-	-		
87	OHX	6	2132	-	0,6,6	-	-	-		
87	OHX	5	4017	-	0,6,6	-	-	-		
87	OHX	1	4108	-	0,6,6	-	-	-		
87	OHX	5	4126	-	0,6,6	-	-	-		
87	OHX	1	3909	-	0,6,6	-	-	-		
87	OHX	2	2128	-	0,6,6	-	-	-		
87	OHX	6	2052	-	0,6,6	-	-	-		
87	OHX	1	4093	-	0,6,6	-	-	-		
87	OHX	5	3910	-	0,6,6	-	-	-		
87	OHX	l5	305	-	0,6,6	-	-	-		
87	OHX	2	2078	-	0,6,6	-	-	-		
87	OHX	5	4063	-	0,6,6	-	-	-		
87	OHX	5	4170	-	0,6,6	-	-	-		
87	OHX	1	4001	-	0,6,6	-	-	-		
87	OHX	6	2196	-	0,6,6	-	-	-		
87	OHX	8	214	-	0,6,6	-	-	-		
87	OHX	1	4112	-	0,6,6	-	-	-		
87	OHX	1	3882	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
87	OHX	l3	403	-	0,6,6	-	-	-		
87	OHX	6	2111	-	0,6,6	-	-	-		
87	OHX	5	4115	-	0,6,6	-	-	-		
87	OHX	SR	401	-	0,6,6	-	-	-		
87	OHX	1	4217	-	0,6,6	-	-	-		
87	OHX	3	225	-	0,6,6	-	-	-		
87	OHX	6	2131	-	0,6,6	-	-	-		
87	OHX	5	4069	-	0,6,6	-	-	-		
87	OHX	1	4160	-	0,6,6	-	-	-		
87	OHX	2	2146	-	0,6,6	-	-	-		
87	OHX	5	4061	-	0,6,6	-	-	-		
87	OHX	8	220	-	0,6,6	-	-	-		
87	OHX	1	3944	-	0,6,6	-	-	-		
87	OHX	6	2183	-	0,6,6	-	-	-		
87	OHX	7	224	-	0,6,6	-	-	-		
87	OHX	1	3943	-	0,6,6	-	-	-		
87	OHX	5	4167	-	0,6,6	-	-	-		
87	OHX	m0	302	-	0,6,6	-	-	-		
87	OHX	5	4258	-	0,6,6	-	-	-		
87	OHX	8	219	-	0,6,6	-	-	-		
87	OHX	1	4110	-	0,6,6	-	-	-		
87	OHX	1	3919	-	0,6,6	-	-	-		
87	OHX	1	4056	-	0,6,6	-	-	-		
87	OHX	5	4206	-	0,6,6	-	-	-		
87	OHX	5	4242	-	0,6,6	-	-	-		
87	OHX	4	234	-	0,6,6	-	-	-		
87	OHX	2	2170	-	0,6,6	-	-	-		
87	OHX	1	3949	-	0,6,6	-	-	-		
87	OHX	4	230	-	0,6,6	-	-	-		
87	OHX	1	3972	-	0,6,6	-	-	-		
87	OHX	1	4064	-	0,6,6	-	-	-		
87	OHX	1	4183	-	0,6,6	-	-	-		
87	OHX	1	4188	-	0,6,6	-	-	-		
87	OHX	6	2046	-	0,6,6	-	-	-		
87	OHX	1	3875	-	0,6,6	-	-	-		
87	OHX	c8	202	-	0,6,6	-	-	-		
87	OHX	2	2026	-	0,6,6	-	-	-		
87	OHX	5	4100	-	0,6,6	-	-	-		
87	OHX	5	4042	-	0,6,6	-	-	-		
87	OHX	6	2165	-	0,6,6	-	-	-		
87	OHX	5	3939	-	0,6,6	-	-	-		
87	OHX	5	4064	-	0,6,6	-	-	-		
87	OHX	2	2085	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
87	OHX	5	4210	-	0,6,6	-	-	-		
87	OHX	1	3986	-	0,6,6	-	-	-		
87	OHX	3	226	-	0,6,6	-	-	-		
87	OHX	1	4132	-	0,6,6	-	-	-		
87	OHX	1	4135	-	0,6,6	-	-	-		
87	OHX	1	4153	-	0,6,6	-	-	-		
87	OHX	6	2174	-	0,6,6	-	-	-		
87	OHX	5	4084	-	0,6,6	-	-	-		
87	OHX	5	4169	-	0,6,6	-	-	-		
87	OHX	7	216	-	0,6,6	-	-	-		
87	OHX	1	4201	-	0,6,6	-	-	-		
87	OHX	6	2116	-	0,6,6	-	-	-		
87	OHX	1	3985	-	0,6,6	-	-	-		
87	OHX	1	4114	-	0,6,6	-	-	-		
87	OHX	M7	207	-	0,6,6	-	-	-		
87	OHX	1	4171	-	0,6,6	-	-	-		
87	OHX	5	3925	-	0,6,6	-	-	-		
87	OHX	1	3983	-	0,6,6	-	-	-		
87	OHX	1	4102	-	0,6,6	-	-	-		
87	OHX	1	4131	-	0,6,6	-	-	-		
87	OHX	5	4228	-	0,6,6	-	-	-		
87	OHX	5	4055	-	0,6,6	-	-	-		
87	OHX	5	4259	-	0,6,6	-	-	-		
87	OHX	5	4191	-	0,6,6	-	-	-		
87	OHX	6	2125	-	0,6,6	-	-	-		
87	OHX	1	4195	-	0,6,6	-	-	-		
87	OHX	1	4142	-	0,6,6	-	-	-		
87	OHX	5	4252	-	0,6,6	-	-	-		
87	OHX	6	2106	-	0,6,6	-	-	-		
87	OHX	5	4155	-	0,6,6	-	-	-		
87	OHX	5	4217	-	0,6,6	-	-	-		
87	OHX	5	4134	-	0,6,6	-	-	-		
87	OHX	5	4051	-	0,6,6	-	-	-		
87	OHX	5	3949	-	0,6,6	-	-	-		
87	OHX	5	4162	-	0,6,6	-	-	-		
87	OHX	5	4219	-	0,6,6	-	-	-		
87	OHX	5	3922	-	0,6,6	-	-	-		
87	OHX	1	3945	-	0,6,6	-	-	-		
87	OHX	1	4049	-	0,6,6	-	-	-		
87	OHX	5	3906	-	0,6,6	-	-	-		
87	OHX	1	4209	-	0,6,6	-	-	-		
87	OHX	6	2112	-	0,6,6	-	-	-		
87	OHX	5	4081	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
87	OHX	1	4129	-	0,6,6	-	-	-		
87	OHX	2	2036	-	0,6,6	-	-	-		
87	OHX	2	2145	-	0,6,6	-	-	-		
87	OHX	1	4177	-	0,6,6	-	-	-		
87	OHX	7	223	-	0,6,6	-	-	-		
87	OHX	5	3916	-	0,6,6	-	-	-		
87	OHX	6	2077	-	0,6,6	-	-	-		
87	OHX	1	3900	-	0,6,6	-	-	-		
87	OHX	s1	303	-	0,6,6	-	-	-		
87	OHX	5	4049	-	0,6,6	-	-	-		
87	OHX	5	4133	-	0,6,6	-	-	-		
87	OHX	6	2182	-	0,6,6	-	-	-		
87	OHX	5	3930	-	0,6,6	-	-	-		
87	OHX	6	2184	-	0,6,6	-	-	-		
87	OHX	8	218	-	0,6,6	-	-	-		
87	OHX	2	2061	-	0,6,6	-	-	-		
87	OHX	o7	502	-	0,6,6	-	-	-		
87	OHX	1	3970	-	0,6,6	-	-	-		
87	OHX	1	3873	-	0,6,6	-	-	-		
87	OHX	2	2083	-	0,6,6	-	-	-		
87	OHX	6	2057	-	0,6,6	-	-	-		
87	OHX	Q2	503	-	0,6,6	-	-	-		
87	OHX	6	2072	-	0,6,6	-	-	-		
87	OHX	2	2076	-	0,6,6	-	-	-		
87	OHX	m8	201	-	0,6,6	-	-	-		
87	OHX	2	2039	-	0,6,6	-	-	-		
87	OHX	1	4200	-	0,6,6	-	-	-		
87	OHX	3	217	-	0,6,6	-	-	-		
87	OHX	5	3962	-	0,6,6	-	-	-		
87	OHX	5	3986	-	0,6,6	-	-	-		
87	OHX	1	4133	-	0,6,6	-	-	-		
87	OHX	5	4132	-	0,6,6	-	-	-		
87	OHX	2	2064	-	0,6,6	-	-	-		
87	OHX	1	4107	-	0,6,6	-	-	-		
87	OHX	7	220	-	0,6,6	-	-	-		
87	OHX	5	3958	-	0,6,6	-	-	-		
87	OHX	1	4007	-	0,6,6	-	-	-		
87	OHX	6	2193	-	0,6,6	-	-	-		
87	OHX	5	4197	-	0,6,6	-	-	-		
87	OHX	5	3983	-	0,6,6	-	-	-		
87	OHX	1	3904	-	0,6,6	-	-	-		
87	OHX	6	2055	-	0,6,6	-	-	-		
87	OHX	s1	302	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
87	OHX	1	4025	-	0,6,6	-	-	-		
87	OHX	2	2114	-	0,6,6	-	-	-		
87	OHX	6	2074	-	0,6,6	-	-	-		
87	OHX	2	2121	-	0,6,6	-	-	-		
87	OHX	6	2173	-	0,6,6	-	-	-		
87	OHX	6	2071	-	0,6,6	-	-	-		
87	OHX	2	2060	-	0,6,6	-	-	-		
87	OHX	2	2074	-	0,6,6	-	-	-		
87	OHX	1	3991	-	0,6,6	-	-	-		
87	OHX	2	2097	-	0,6,6	-	-	-		
87	OHX	1	4152	-	0,6,6	-	-	-		
87	OHX	5	4182	-	0,6,6	-	-	-		
87	OHX	6	2162	-	0,6,6	-	-	-		
87	OHX	5	3978	-	0,6,6	-	-	-		
87	OHX	2	2126	-	0,6,6	-	-	-		
87	OHX	6	2140	-	0,6,6	-	-	-		
87	OHX	1	4057	-	0,6,6	-	-	-		
87	OHX	m0	301	-	0,6,6	-	-	-		
87	OHX	1	3911	-	0,6,6	-	-	-		
87	OHX	6	2176	-	0,6,6	-	-	-		
87	OHX	5	3908	-	0,6,6	-	-	-		
87	OHX	2	2176	-	0,6,6	-	-	-		
87	OHX	6	2098	-	0,6,6	-	-	-		
87	OHX	5	4129	-	0,6,6	-	-	-		
87	OHX	1	4035	-	0,6,6	-	-	-		
87	OHX	1	4148	-	0,6,6	-	-	-		
87	OHX	2	2181	-	0,6,6	-	-	-		
87	OHX	6	2175	-	0,6,6	-	-	-		
87	OHX	5	3992	-	0,6,6	-	-	-		
87	OHX	1	3892	-	0,6,6	-	-	-		
87	OHX	5	3924	-	0,6,6	-	-	-		
87	OHX	1	4123	-	0,6,6	-	-	-		
87	OHX	5	3993	-	0,6,6	-	-	-		
87	OHX	5	4116	-	0,6,6	-	-	-		
87	OHX	5	4247	-	0,6,6	-	-	-		
87	OHX	1	4105	-	0,6,6	-	-	-		
87	OHX	5	4227	-	0,6,6	-	-	-		
87	OHX	5	4137	-	0,6,6	-	-	-		
87	OHX	1	3931	-	0,6,6	-	-	-		
87	OHX	m7	206	-	0,6,6	-	-	-		
87	OHX	L3	404	-	0,6,6	-	-	-		
87	OHX	1	4202	-	0,6,6	-	-	-		
87	OHX	6	2078	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
87	OHX	5	4123	-	0,6,6	-	-	-		
87	OHX	5	4174	-	0,6,6	-	-	-		
87	OHX	5	4019	-	0,6,6	-	-	-		
87	OHX	1	4167	-	0,6,6	-	-	-		
87	OHX	5	4188	-	0,6,6	-	-	-		
87	OHX	2	2099	-	0,6,6	-	-	-		
87	OHX	1	3887	-	0,6,6	-	-	-		
87	OHX	5	4200	-	0,6,6	-	-	-		
87	OHX	1	4067	-	0,6,6	-	-	-		
87	OHX	5	4224	-	0,6,6	-	-	-		
87	OHX	2	2084	-	0,6,6	-	-	-		
87	OHX	7	225	-	0,6,6	-	-	-		
87	OHX	2	2048	-	0,6,6	-	-	-		
87	OHX	2	2030	-	0,6,6	-	-	-		
87	OHX	6	2093	-	0,6,6	-	-	-		
87	OHX	6	2145	-	0,6,6	-	-	-		
87	OHX	1	4036	-	0,6,6	-	-	-		
87	OHX	1	4018	-	0,6,6	-	-	-		
87	OHX	5	4111	-	0,6,6	-	-	-		
87	OHX	6	2199	-	0,6,6	-	-	-		
87	OHX	1	3871	-	0,6,6	-	-	-		
87	OHX	6	2092	-	0,6,6	-	-	-		
87	OHX	6	2156	-	0,6,6	-	-	-		
87	OHX	5	4236	-	0,6,6	-	-	-		
87	OHX	1	3893	-	0,6,6	-	-	-		
87	OHX	1	3997	-	0,6,6	-	-	-		
87	OHX	1	3925	-	0,6,6	-	-	-		
87	OHX	5	3937	-	0,6,6	-	-	-		
89	ANM	1	4218	-	20,20,20	0.90	0	24,27,27	1.47	4 (16%)
87	OHX	1	4060	-	0,6,6	-	-	-		
87	OHX	4	227	-	0,6,6	-	-	-		
87	OHX	6	2181	-	0,6,6	-	-	-		
87	OHX	2	2086	-	0,6,6	-	-	-		
87	OHX	7	221	-	0,6,6	-	-	-		
87	OHX	5	3991	-	0,6,6	-	-	-		
87	OHX	1	4127	-	0,6,6	-	-	-		
87	OHX	1	4121	-	0,6,6	-	-	-		
87	OHX	2	2143	-	0,6,6	-	-	-		
87	OHX	1	4109	-	0,6,6	-	-	-		
87	OHX	1	4182	-	0,6,6	-	-	-		
87	OHX	5	4027	-	0,6,6	-	-	-		
87	OHX	2	2040	-	0,6,6	-	-	-		
87	OHX	5	4159	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
87	OHX	6	2061	-	0,6,6	-	-	-		
87	OHX	2	2132	-	0,6,6	-	-	-		
87	OHX	2	2027	-	0,6,6	-	-	-		
87	OHX	5	4238	-	0,6,6	-	-	-		
87	OHX	5	4199	-	0,6,6	-	-	-		
87	OHX	1	3969	-	0,6,6	-	-	-		
87	OHX	5	4047	-	0,6,6	-	-	-		
87	OHX	5	3905	-	0,6,6	-	-	-		
87	OHX	5	4234	-	0,6,6	-	-	-		
87	OHX	1	4075	-	0,6,6	-	-	-		
87	OHX	7	215	-	0,6,6	-	-	-		
87	OHX	M0	303	-	0,6,6	-	-	-		
87	OHX	2	2044	-	0,6,6	-	-	-		
87	OHX	1	3874	-	0,6,6	-	-	-		
87	OHX	1	4034	-	0,6,6	-	-	-		
87	OHX	2	2101	-	0,6,6	-	-	-		
87	OHX	6	2053	-	0,6,6	-	-	-		
87	OHX	2	2120	-	0,6,6	-	-	-		
87	OHX	1	4094	-	0,6,6	-	-	-		
87	OHX	5	4006	-	0,6,6	-	-	-		
87	OHX	1	4092	-	0,6,6	-	-	-		
87	OHX	5	3943	-	0,6,6	-	-	-		
87	OHX	2	2131	-	0,6,6	-	-	-		
87	OHX	5	3971	-	0,6,6	-	-	-		
87	OHX	1	4212	-	0,6,6	-	-	-		
87	OHX	1	3897	-	0,6,6	-	-	-		
87	OHX	5	4110	-	0,6,6	-	-	-		
87	OHX	1	4037	-	0,6,6	-	-	-		
87	OHX	5	4026	-	0,6,6	-	-	-		
87	OHX	5	3919	-	0,6,6	-	-	-		
87	OHX	5	4201	-	0,6,6	-	-	-		
87	OHX	5	4113	-	0,6,6	-	-	-		
87	OHX	1	3885	-	0,6,6	-	-	-		
87	OHX	1	4008	-	0,6,6	-	-	-		
87	OHX	6	2084	-	0,6,6	-	-	-		
87	OHX	6	2121	-	0,6,6	-	-	-		
87	OHX	5	4212	-	0,6,6	-	-	-		
87	OHX	1	3907	-	0,6,6	-	-	-		
87	OHX	1	3977	-	0,6,6	-	-	-		
87	OHX	2	2066	-	0,6,6	-	-	-		
87	OHX	2	2144	-	0,6,6	-	-	-		
87	OHX	2	2043	-	0,6,6	-	-	-		
87	OHX	1	4083	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
87	OHX	2	2155	-	0,6,6	-	-	-		
87	OHX	2	2063	-	0,6,6	-	-	-		
87	OHX	2	2129	-	0,6,6	-	-	-		
87	OHX	O2	201	-	0,6,6	-	-	-		
87	OHX	6	2126	-	0,6,6	-	-	-		
87	OHX	5	3912	-	0,6,6	-	-	-		
87	OHX	5	4085	-	0,6,6	-	-	-		
87	OHX	7	217	-	0,6,6	-	-	-		
87	OHX	5	4253	-	0,6,6	-	-	-		
87	OHX	2	2159	-	0,6,6	-	-	-		
87	OHX	5	4232	-	0,6,6	-	-	-		
87	OHX	5	3941	-	0,6,6	-	-	-		
87	OHX	1	4150	-	0,6,6	-	-	-		
87	OHX	6	2044	-	0,6,6	-	-	-		
87	OHX	5	3960	-	0,6,6	-	-	-		
87	OHX	1	4186	-	0,6,6	-	-	-		
87	OHX	2	2136	-	0,6,6	-	-	-		
87	OHX	o3	202	-	0,6,6	-	-	-		
87	OHX	1	3877	-	0,6,6	-	-	-		
87	OHX	1	4069	-	0,6,6	-	-	-		
87	OHX	1	3961	-	0,6,6	-	-	-		
87	OHX	5	3985	-	0,6,6	-	-	-		
87	OHX	5	4122	-	0,6,6	-	-	-		
87	OHX	6	2099	-	0,6,6	-	-	-		
87	OHX	6	2168	-	0,6,6	-	-	-		
87	OHX	C8	201	-	0,6,6	-	-	-		
87	OHX	1	3914	-	0,6,6	-	-	-		
87	OHX	1	4045	-	0,6,6	-	-	-		
87	OHX	1	4178	-	0,6,6	-	-	-		
87	OHX	5	4240	-	0,6,6	-	-	-		
87	OHX	1	4214	-	0,6,6	-	-	-		
87	OHX	1	4118	-	0,6,6	-	-	-		
87	OHX	6	2090	-	0,6,6	-	-	-		
87	OHX	4	228	-	0,6,6	-	-	-		
87	OHX	6	2108	-	0,6,6	-	-	-		
87	OHX	1	4154	-	0,6,6	-	-	-		
87	OHX	1	4136	-	0,6,6	-	-	-		
87	OHX	5	4076	-	0,6,6	-	-	-		
87	OHX	2	2171	-	0,6,6	-	-	-		
87	OHX	6	2200	-	0,6,6	-	-	-		
87	OHX	c5	201	-	0,6,6	-	-	-		
87	OHX	2	2140	-	0,6,6	-	-	-		
87	OHX	1	3901	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
87	OHX	1	4065	-	0,6,6	-	-	-		
87	OHX	1	3938	-	0,6,6	-	-	-		
87	OHX	1	4090	-	0,6,6	-	-	-		
87	OHX	1	4104	-	0,6,6	-	-	-		
87	OHX	5	4254	-	0,6,6	-	-	-		
87	OHX	1	3913	-	0,6,6	-	-	-		
87	OHX	5	4213	-	0,6,6	-	-	-		
87	OHX	3	219	-	0,6,6	-	-	-		
87	OHX	5	4040	-	0,6,6	-	-	-		
87	OHX	6	2159	-	0,6,6	-	-	-		
87	OHX	6	2069	-	0,6,6	-	-	-		
87	OHX	1	3994	-	0,6,6	-	-	-		
87	OHX	1	4050	-	0,6,6	-	-	-		
87	OHX	6	2060	-	0,6,6	-	-	-		
87	OHX	5	3966	-	0,6,6	-	-	-		
87	OHX	6	2097	-	0,6,6	-	-	-		
87	OHX	1	4139	-	0,6,6	-	-	-		
87	OHX	6	2141	-	0,6,6	-	-	-		
87	OHX	2	2175	-	0,6,6	-	-	-		
87	OHX	5	3968	-	0,6,6	-	-	-		
87	OHX	5	4037	-	0,6,6	-	-	-		
87	OHX	1	4048	-	0,6,6	-	-	-		
87	OHX	8	217	-	0,6,6	-	-	-		
87	OHX	2	2147	-	0,6,6	-	-	-		
87	OHX	5	3988	-	0,6,6	-	-	-		
87	OHX	2	2045	-	0,6,6	-	-	-		
87	OHX	5	3964	-	0,6,6	-	-	-		
87	OHX	5	4007	-	0,6,6	-	-	-		
87	OHX	5	3907	-	0,6,6	-	-	-		
87	OHX	2	2135	-	0,6,6	-	-	-		
87	OHX	6	2161	-	0,6,6	-	-	-		
87	OHX	5	4243	-	0,6,6	-	-	-		
87	OHX	2	2130	-	0,6,6	-	-	-		
87	OHX	1	3912	-	0,6,6	-	-	-		
87	OHX	5	4012	-	0,6,6	-	-	-		
87	OHX	5	4015	-	0,6,6	-	-	-		
87	OHX	1	4185	-	0,6,6	-	-	-		
87	OHX	5	4250	-	0,6,6	-	-	-		
87	OHX	5	3972	-	0,6,6	-	-	-		
87	OHX	5	4149	-	0,6,6	-	-	-		
87	OHX	o9	101	-	0,6,6	-	-	-		
87	OHX	6	2143	-	0,6,6	-	-	-		
87	OHX	1	3868	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
87	OHX	5	4256	-	0,6,6	-	-	-		
87	OHX	2	2102	-	0,6,6	-	-	-		
87	OHX	6	2101	-	0,6,6	-	-	-		
87	OHX	6	2120	-	0,6,6	-	-	-		
87	OHX	M6	202	-	0,6,6	-	-	-		
87	OHX	1	4043	-	0,6,6	-	-	-		
87	OHX	1	3955	-	0,6,6	-	-	-		
87	OHX	1	4193	-	0,6,6	-	-	-		
87	OHX	1	3928	-	0,6,6	-	-	-		
87	OHX	2	2037	-	0,6,6	-	-	-		
87	OHX	2	2096	-	0,6,6	-	-	-		
87	OHX	1	4189	-	0,6,6	-	-	-		
87	OHX	5	3961	-	0,6,6	-	-	-		
87	OHX	1	3951	-	0,6,6	-	-	-		
87	OHX	5	4117	-	0,6,6	-	-	-		
87	OHX	2	2091	-	0,6,6	-	-	-		
87	OHX	2	2169	-	0,6,6	-	-	-		
87	OHX	5	4023	-	0,6,6	-	-	-		
87	OHX	O1	202	-	0,6,6	-	-	-		
87	OHX	2	2139	-	0,6,6	-	-	-		
87	OHX	1	4157	-	0,6,6	-	-	-		
87	OHX	2	2166	-	0,6,6	-	-	-		
87	OHX	5	4163	-	0,6,6	-	-	-		
87	OHX	5	4175	-	0,6,6	-	-	-		
87	OHX	8	223	-	0,6,6	-	-	-		
87	OHX	6	2066	-	0,6,6	-	-	-		
87	OHX	5	4102	-	0,6,6	-	-	-		
87	OHX	2	2089	-	0,6,6	-	-	-		
87	OHX	5	4152	-	0,6,6	-	-	-		
87	OHX	1	3935	-	0,6,6	-	-	-		
87	OHX	6	2048	-	0,6,6	-	-	-		
87	OHX	1	4206	-	0,6,6	-	-	-		
87	OHX	6	2130	-	0,6,6	-	-	-		
87	OHX	1	4144	-	0,6,6	-	-	-		
87	OHX	1	4000	-	0,6,6	-	-	-		
87	OHX	1	4100	-	0,6,6	-	-	-		
87	OHX	5	3909	-	0,6,6	-	-	-		
87	OHX	1	3973	-	0,6,6	-	-	-		
87	OHX	5	4089	-	0,6,6	-	-	-		
87	OHX	1	3965	-	0,6,6	-	-	-		
87	OHX	1	4080	-	0,6,6	-	-	-		
87	OHX	5	3998	-	0,6,6	-	-	-		
87	OHX	5	4255	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
87	OHX	6	2086	-	0,6,6	-	-	-		
87	OHX	5	4035	-	0,6,6	-	-	-		
87	OHX	5	4148	-	0,6,6	-	-	-		
87	OHX	1	4119	-	0,6,6	-	-	-		
87	OHX	1	4053	-	0,6,6	-	-	-		
87	OHX	5	4001	-	0,6,6	-	-	-		
87	OHX	1	3927	-	0,6,6	-	-	-		
87	OHX	1	4194	-	0,6,6	-	-	-		
87	OHX	5	4230	-	0,6,6	-	-	-		
87	OHX	5	3931	-	0,6,6	-	-	-		
87	OHX	5	3948	-	0,6,6	-	-	-		
87	OHX	1	3990	-	0,6,6	-	-	-		
87	OHX	1	4020	-	0,6,6	-	-	-		
87	OHX	6	2104	-	0,6,6	-	-	-		
87	OHX	1	3903	-	0,6,6	-	-	-		
87	OHX	2	2073	-	0,6,6	-	-	-		
87	OHX	1	4026	-	0,6,6	-	-	-		
87	OHX	1	3956	-	0,6,6	-	-	-		
87	OHX	1	4091	-	0,6,6	-	-	-		
87	OHX	m5	305	-	0,6,6	-	-	-		
87	OHX	5	4235	-	0,6,6	-	-	-		
87	OHX	5	4093	-	0,6,6	-	-	-		
87	OHX	5	3979	-	0,6,6	-	-	-		
87	OHX	1	3979	-	0,6,6	-	-	-		
87	OHX	6	2171	-	0,6,6	-	-	-		
87	OHX	1	4085	-	0,6,6	-	-	-		
87	OHX	5	4153	-	0,6,6	-	-	-		
87	OHX	1	4126	-	0,6,6	-	-	-		
87	OHX	5	4032	-	0,6,6	-	-	-		
87	OHX	2	2059	-	0,6,6	-	-	-		
87	OHX	5	3950	-	0,6,6	-	-	-		
87	OHX	n3	203	-	0,6,6	-	-	-		
87	OHX	n9	102	-	0,6,6	-	-	-		
87	OHX	5	4244	-	0,6,6	-	-	-		
87	OHX	1	4079	-	0,6,6	-	-	-		
87	OHX	1	4086	-	0,6,6	-	-	-		
87	OHX	6	2164	-	0,6,6	-	-	-		
87	OHX	5	4125	-	0,6,6	-	-	-		
87	OHX	5	4231	-	0,6,6	-	-	-		
87	OHX	2	2093	-	0,6,6	-	-	-		
87	OHX	1	4215	-	0,6,6	-	-	-		
87	OHX	6	2045	-	0,6,6	-	-	-		
87	OHX	1	4191	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
87	OHX	2	2053	-	0,6,6	-	-	-		
87	OHX	2	2042	-	0,6,6	-	-	-		
87	OHX	1	4116	-	0,6,6	-	-	-		
87	OHX	2	2092	-	0,6,6	-	-	-		
87	OHX	2	2156	-	0,6,6	-	-	-		
87	OHX	2	2162	-	0,6,6	-	-	-		
87	OHX	1	3953	-	0,6,6	-	-	-		
87	OHX	5	4127	-	0,6,6	-	-	-		
87	OHX	1	4156	-	0,6,6	-	-	-		
87	OHX	5	4229	-	0,6,6	-	-	-		
87	OHX	M7	206	-	0,6,6	-	-	-		
87	OHX	2	2110	-	0,6,6	-	-	-		
87	OHX	2	2180	-	0,6,6	-	-	-		
87	OHX	1	3878	-	0,6,6	-	-	-		
87	OHX	1	4181	-	0,6,6	-	-	-		
87	OHX	6	2063	-	0,6,6	-	-	-		
87	OHX	6	2123	-	0,6,6	-	-	-		
87	OHX	5	4183	-	0,6,6	-	-	-		
87	OHX	5	4144	-	0,6,6	-	-	-		
87	OHX	2	2123	-	0,6,6	-	-	-		
87	OHX	6	2147	-	0,6,6	-	-	-		
87	OHX	3	220	-	0,6,6	-	-	-		
87	OHX	5	4114	-	0,6,6	-	-	-		
87	OHX	5	4215	-	0,6,6	-	-	-		
87	OHX	2	2088	-	0,6,6	-	-	-		
87	OHX	5	4181	-	0,6,6	-	-	-		
87	OHX	5	4124	-	0,6,6	-	-	-		
87	OHX	6	2169	-	0,6,6	-	-	-		
87	OHX	1	4068	-	0,6,6	-	-	-		
87	OHX	5	4119	-	0,6,6	-	-	-		
87	OHX	4	226	-	0,6,6	-	-	-		
87	OHX	2	2075	-	0,6,6	-	-	-		
87	OHX	1	3981	-	0,6,6	-	-	-		
87	OHX	1	4211	-	0,6,6	-	-	-		
87	OHX	6	2151	-	0,6,6	-	-	-		
87	OHX	2	2090	-	0,6,6	-	-	-		
87	OHX	5	4135	-	0,6,6	-	-	-		
87	OHX	5	4194	-	0,6,6	-	-	-		
87	OHX	1	4138	-	0,6,6	-	-	-		
87	OHX	1	4124	-	0,6,6	-	-	-		
87	OHX	6	2187	-	0,6,6	-	-	-		
87	OHX	5	3994	-	0,6,6	-	-	-		
87	OHX	8	225	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
87	OHX	2	2052	-	0,6,6	-	-	-		
87	OHX	1	4180	-	0,6,6	-	-	-		
87	OHX	5	3990	-	0,6,6	-	-	-		
87	OHX	5	4050	-	0,6,6	-	-	-		
87	OHX	5	4091	-	0,6,6	-	-	-		
87	OHX	5	4092	-	0,6,6	-	-	-		
87	OHX	8	216	-	0,6,6	-	-	-		
87	OHX	1	3876	-	0,6,6	-	-	-		
87	OHX	2	2079	-	0,6,6	-	-	-		
87	OHX	6	2114	-	0,6,6	-	-	-		
87	OHX	1	3899	-	0,6,6	-	-	-		
87	OHX	1	3926	-	0,6,6	-	-	-		
87	OHX	6	2146	-	0,6,6	-	-	-		
87	OHX	1	3941	-	0,6,6	-	-	-		
87	OHX	1	3881	-	0,6,6	-	-	-		
87	OHX	5	4003	-	0,6,6	-	-	-		
87	OHX	1	4030	-	0,6,6	-	-	-		
87	OHX	5	4195	-	0,6,6	-	-	-		
87	OHX	5	4028	-	0,6,6	-	-	-		
87	OHX	2	2051	-	0,6,6	-	-	-		
87	OHX	2	2105	-	0,6,6	-	-	-		
87	OHX	5	3923	-	0,6,6	-	-	-		
87	OHX	2	2141	-	0,6,6	-	-	-		
87	OHX	3	224	-	0,6,6	-	-	-		
87	OHX	O3	201	-	0,6,6	-	-	-		
87	OHX	2	2179	-	0,6,6	-	-	-		
87	OHX	1	4117	-	0,6,6	-	-	-		
87	OHX	5	3947	87	0,6,6	-	-	-		
87	OHX	6	2138	-	0,6,6	-	-	-		
87	OHX	5	4140	-	0,6,6	-	-	-		
87	OHX	2	2118	-	0,6,6	-	-	-		
87	OHX	5	3945	-	0,6,6	-	-	-		
87	OHX	1	4140	-	0,6,6	-	-	-		
87	OHX	1	3869	-	0,6,6	-	-	-		
87	OHX	1	4170	-	0,6,6	-	-	-		
87	OHX	5	4118	-	0,6,6	-	-	-		
87	OHX	1	4187	-	0,6,6	-	-	-		
87	OHX	2	2094	-	0,6,6	-	-	-		
87	OHX	1	4173	-	0,6,6	-	-	-		
87	OHX	6	2073	-	0,6,6	-	-	-		
87	OHX	1	3958	-	0,6,6	-	-	-		
87	OHX	2	2054	-	0,6,6	-	-	-		
87	OHX	6	2190	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
87	OHX	5	3997	-	0,6,6	-	-	-		
87	OHX	1	4115	-	0,6,6	-	-	-		
87	OHX	1	4013	-	0,6,6	-	-	-		
87	OHX	6	2135	-	0,6,6	-	-	-		
87	OHX	2	2033	-	0,6,6	-	-	-		
87	OHX	1	4006	-	0,6,6	-	-	-		
87	OHX	1	4087	-	0,6,6	-	-	-		
87	OHX	5	4145	-	0,6,6	-	-	-		
87	OHX	1	3888	-	0,6,6	-	-	-		
87	OHX	1	4061	-	0,6,6	-	-	-		
87	OHX	1	4106	-	0,6,6	-	-	-		
87	OHX	1	3889	-	0,6,6	-	-	-		
87	OHX	1	3890	-	0,6,6	-	-	-		
87	OHX	1	4145	-	0,6,6	-	-	-		
87	OHX	1	4111	-	0,6,6	-	-	-		
87	OHX	6	2102	-	0,6,6	-	-	-		
87	OHX	1	3921	-	0,6,6	-	-	-		
87	OHX	6	2163	-	0,6,6	-	-	-		
87	OHX	5	3996	-	0,6,6	-	-	-		
87	OHX	1	4059	-	0,6,6	-	-	-		
87	OHX	5	4068	-	0,6,6	-	-	-		
87	OHX	2	2163	-	0,6,6	-	-	-		
87	OHX	1	3906	-	0,6,6	-	-	-		
87	OHX	1	3930	-	0,6,6	-	-	-		
87	OHX	6	2047	-	0,6,6	-	-	-		
87	OHX	1	4046	-	0,6,6	-	-	-		
87	OHX	1	3995	-	0,6,6	-	-	-		
87	OHX	6	2096	-	0,6,6	-	-	-		
87	OHX	6	2155	-	0,6,6	-	-	-		
87	OHX	5	4080	-	0,6,6	-	-	-		
87	OHX	5	4211	-	0,6,6	-	-	-		
87	OHX	6	2091	-	0,6,6	-	-	-		
87	OHX	2	2068	-	0,6,6	-	-	-		
87	OHX	5	4104	-	0,6,6	-	-	-		
87	OHX	5	4059	-	0,6,6	-	-	-		
87	OHX	5	4190	-	0,6,6	-	-	-		
87	OHX	6	2080	-	0,6,6	-	-	-		
87	OHX	2	2108	-	0,6,6	-	-	-		
87	OHX	5	3999	-	0,6,6	-	-	-		
87	OHX	5	4146	-	0,6,6	-	-	-		
87	OHX	6	2166	-	0,6,6	-	-	-		
87	OHX	5	4103	-	0,6,6	-	-	-		
87	OHX	2	2023	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
87	OHX	1	3988	-	0,6,6	-	-	-		
87	OHX	1	4031	-	0,6,6	-	-	-		
87	OHX	6	2054	-	0,6,6	-	-	-		
87	OHX	6	2089	-	0,6,6	-	-	-		
87	OHX	6	2085	-	0,6,6	-	-	-		
87	OHX	5	4043	-	0,6,6	-	-	-		
87	OHX	1	4084	-	0,6,6	-	-	-		
87	OHX	2	2069	-	0,6,6	-	-	-		
87	OHX	2	2115	-	0,6,6	-	-	-		
87	OHX	2	2025	-	0,6,6	-	-	-		
87	OHX	sR	401	-	0,6,6	-	-	-		
87	OHX	2	2137	-	0,6,6	-	-	-		
87	OHX	D9	102	-	0,6,6	-	-	-		
87	OHX	c3	201	-	0,6,6	-	-	-		
87	OHX	5	3911	-	0,6,6	-	-	-		
87	OHX	5	4002	-	0,6,6	-	-	-		
87	OHX	1	3915	-	0,6,6	-	-	-		
87	OHX	6	2075	-	0,6,6	-	-	-		
87	OHX	1	3957	-	0,6,6	-	-	-		
87	OHX	5	4108	-	0,6,6	-	-	-		
87	OHX	5	4185	-	0,6,6	-	-	-		
87	OHX	6	2110	-	0,6,6	-	-	-		
87	OHX	5	4029	-	0,6,6	-	-	-		
87	OHX	5	4072	-	0,6,6	-	-	-		
87	OHX	1	4207	-	0,6,6	-	-	-		
87	OHX	5	4196	-	0,6,6	-	-	-		
87	OHX	5	4176	-	0,6,6	-	-	-		
87	OHX	1	3946	-	0,6,6	-	-	-		
87	OHX	6	2122	-	0,6,6	-	-	-		
87	OHX	N9	101	-	0,6,6	-	-	-		
87	OHX	2	2161	-	0,6,6	-	-	-		
87	OHX	5	4109	-	0,6,6	-	-	-		
87	OHX	5	3970	-	0,6,6	-	-	-		
87	OHX	8	226	-	0,6,6	-	-	-		
87	OHX	2	2095	-	0,6,6	-	-	-		
87	OHX	1	4196	-	0,6,6	-	-	-		
87	OHX	5	4105	-	0,6,6	-	-	-		
87	OHX	6	2068	-	0,6,6	-	-	-		
87	OHX	1	3918	-	0,6,6	-	-	-		
87	OHX	3	215	-	0,6,6	-	-	-		
87	OHX	5	4013	-	0,6,6	-	-	-		
87	OHX	1	4096	-	0,6,6	-	-	-		
87	OHX	1	4120	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
87	OHX	1	4203	-	0,6,6	-	-	-		
87	OHX	4	233	-	0,6,6	-	-	-		
87	OHX	1	4134	-	0,6,6	-	-	-		
87	OHX	1	4071	-	0,6,6	-	-	-		
87	OHX	1	4040	-	0,6,6	-	-	-		
87	OHX	1	4162	-	0,6,6	-	-	-		
87	OHX	6	2051	-	0,6,6	-	-	-		
87	OHX	C5	201	-	0,6,6	-	-	-		
87	OHX	2	2127	-	0,6,6	-	-	-		
87	OHX	5	3929	-	0,6,6	-	-	-		
87	OHX	5	4004	-	0,6,6	-	-	-		
87	OHX	5	4106	-	0,6,6	-	-	-		
87	OHX	5	4005	-	0,6,6	-	-	-		
87	OHX	4	238	-	0,6,6	-	-	-		
87	OHX	5	4237	-	0,6,6	-	-	-		
87	OHX	6	2179	-	0,6,6	-	-	-		
87	OHX	5	4096	-	0,6,6	-	-	-		
87	OHX	5	4120	-	0,6,6	-	-	-		
87	OHX	5	4033	-	0,6,6	-	-	-		
87	OHX	3	218	-	0,6,6	-	-	-		
87	OHX	5	3944	-	0,6,6	-	-	-		
87	OHX	5	4094	-	0,6,6	-	-	-		
87	OHX	6	2079	-	0,6,6	-	-	-		
87	OHX	6	2059	-	0,6,6	-	-	-		
87	OHX	5	4178	-	0,6,6	-	-	-		
87	OHX	5	3995	-	0,6,6	-	-	-		
87	OHX	1	4161	-	0,6,6	-	-	-		
87	OHX	C3	201	-	0,6,6	-	-	-		
87	OHX	1	4054	-	0,6,6	-	-	-		
87	OHX	5	4207	-	0,6,6	-	-	-		
87	OHX	5	4209	-	0,6,6	-	-	-		
87	OHX	7	218	-	0,6,6	-	-	-		
87	OHX	1	4038	-	0,6,6	-	-	-		
87	OHX	5	4160	-	0,6,6	-	-	-		
87	OHX	6	2144	-	0,6,6	-	-	-		
87	OHX	1	4210	-	0,6,6	-	-	-		
87	OHX	M8	201	-	0,6,6	-	-	-		
87	OHX	1	4165	-	0,6,6	-	-	-		
87	OHX	4	232	-	0,6,6	-	-	-		
87	OHX	1	3929	-	0,6,6	-	-	-		
87	OHX	6	2062	-	0,6,6	-	-	-		
87	OHX	1	3942	-	0,6,6	-	-	-		
87	OHX	1	4014	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
87	OHX	5	4057	-	0,6,6	-	-	-		
87	OHX	1	3962	-	0,6,6	-	-	-		
87	OHX	6	2095	-	0,6,6	-	-	-		
87	OHX	1	3952	-	0,6,6	-	-	-		
87	OHX	5	4249	-	0,6,6	-	-	-		
87	OHX	5	4192	-	0,6,6	-	-	-		
87	OHX	1	4099	-	0,6,6	-	-	-		
87	OHX	1	3966	-	0,6,6	-	-	-		
87	OHX	3	223	-	0,6,6	-	-	-		
87	OHX	s8	303	-	0,6,6	-	-	-		
87	OHX	2	2117	-	0,6,6	-	-	-		
87	OHX	1	3984	-	0,6,6	-	-	-		
87	OHX	5	4079	-	0,6,6	-	-	-		
87	OHX	1	4163	-	0,6,6	-	-	-		
87	OHX	2	2047	-	0,6,6	-	-	-		
87	OHX	1	4179	-	0,6,6	-	-	-		
87	OHX	6	2088	-	0,6,6	-	-	-		
87	OHX	5	4018	-	0,6,6	-	-	-		
87	OHX	1	3932	-	0,6,6	-	-	-		
87	OHX	5	4058	-	0,6,6	-	-	-		
87	OHX	4	236	-	0,6,6	-	-	-		
87	OHX	2	2104	-	0,6,6	-	-	-		
87	OHX	1	3989	-	0,6,6	-	-	-		
87	OHX	1	4077	-	0,6,6	-	-	-		
87	OHX	5	3969	-	0,6,6	-	-	-		
87	OHX	2	2041	-	0,6,6	-	-	-		
87	OHX	5	3914	-	0,6,6	-	-	-		
87	OHX	5	4075	-	0,6,6	-	-	-		
87	OHX	1	4058	-	0,6,6	-	-	-		
87	OHX	2	2070	-	0,6,6	-	-	-		
87	OHX	1	3987	-	0,6,6	-	-	-		
87	OHX	1	4158	-	0,6,6	-	-	-		
87	OHX	6	2185	-	0,6,6	-	-	-		
87	OHX	5	4222	-	0,6,6	-	-	-		
87	OHX	2	2125	-	0,6,6	-	-	-		
87	OHX	q2	502	-	0,6,6	-	-	-		
87	OHX	5	4216	-	0,6,6	-	-	-		
87	OHX	5	4203	-	0,6,6	-	-	-		
87	OHX	1	4097	-	0,6,6	-	-	-		
87	OHX	5	4071	-	0,6,6	-	-	-		
87	OHX	1	4208	-	0,6,6	-	-	-		
87	OHX	1	4089	-	0,6,6	-	-	-		
87	OHX	5	3987	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
87	OHX	1	3998	-	0,6,6	-	-	-		
87	OHX	1	4017	-	0,6,6	-	-	-		
87	OHX	1	3964	-	0,6,6	-	-	-		
87	OHX	5	4087	-	0,6,6	-	-	-		
87	OHX	5	4245	-	0,6,6	-	-	-		
87	OHX	6	2198	-	0,6,6	-	-	-		
87	OHX	15	304	-	0,6,6	-	-	-		
87	OHX	1	3959	-	0,6,6	-	-	-		
87	OHX	6	2137	-	0,6,6	-	-	-		
87	OHX	5	3938	-	0,6,6	-	-	-		
87	OHX	6	2105	-	0,6,6	-	-	-		
87	OHX	5	3953	-	0,6,6	-	-	-		
87	OHX	6	2154	-	0,6,6	-	-	-		
87	OHX	5	4177	-	0,6,6	-	-	-		
87	OHX	2	2154	-	0,6,6	-	-	-		
87	OHX	O7	104	-	0,6,6	-	-	-		
87	OHX	5	4090	-	0,6,6	-	-	-		
87	OHX	1	4052	-	0,6,6	-	-	-		
87	OHX	5	4054	-	0,6,6	-	-	-		
87	OHX	6	2118	-	0,6,6	-	-	-		
87	OHX	2	2056	-	0,6,6	-	-	-		
87	OHX	1	4010	-	0,6,6	-	-	-		
87	OHX	5	3977	-	0,6,6	-	-	-		
87	OHX	5	4083	-	0,6,6	-	-	-		
87	OHX	1	4028	-	0,6,6	-	-	-		
87	OHX	4	229	-	0,6,6	-	-	-		
87	OHX	5	4150	-	0,6,6	-	-	-		
87	OHX	2	2168	-	0,6,6	-	-	-		
87	OHX	2	2142	-	0,6,6	-	-	-		
87	OHX	5	4165	-	0,6,6	-	-	-		
87	OHX	1	4015	-	0,6,6	-	-	-		
87	OHX	5	4239	-	0,6,6	-	-	-		
87	OHX	5	4141	-	0,6,6	-	-	-		
87	OHX	6	2178	-	0,6,6	-	-	-		
87	OHX	1	4074	-	0,6,6	-	-	-		
87	OHX	6	2094	-	0,6,6	-	-	-		
87	OHX	1	4032	-	0,6,6	-	-	-		
87	OHX	6	2194	-	0,6,6	-	-	-		
87	OHX	5	3928	-	0,6,6	-	-	-		
87	OHX	2	2057	-	0,6,6	-	-	-		
87	OHX	5	4010	-	0,6,6	-	-	-		
87	OHX	5	4202	-	0,6,6	-	-	-		
87	OHX	1	3950	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
87	OHX	5	4168	-	0,6,6	-	-	-		
87	OHX	1	3872	-	0,6,6	-	-	-		
87	OHX	5	4214	-	0,6,6	-	-	-		
87	OHX	2	2133	-	0,6,6	-	-	-		
87	OHX	5	4031	-	0,6,6	-	-	-		
87	OHX	1	4095	-	0,6,6	-	-	-		
87	OHX	1	4198	-	0,6,6	-	-	-		
87	OHX	6	2150	-	0,6,6	-	-	-		
87	OHX	5	4179	-	0,6,6	-	-	-		
87	OHX	2	2148	-	0,6,6	-	-	-		
87	OHX	7	219	-	0,6,6	-	-	-		
87	OHX	5	4070	-	0,6,6	-	-	-		
87	OHX	1	3940	-	0,6,6	-	-	-		
87	OHX	5	4095	-	0,6,6	-	-	-		
87	OHX	5	4171	-	0,6,6	-	-	-		
87	OHX	1	4175	-	0,6,6	-	-	-		
87	OHX	6	2127	-	0,6,6	-	-	-		
87	OHX	6	2139	-	0,6,6	-	-	-		
87	OHX	2	2157	-	0,6,6	-	-	-		
87	OHX	5	4154	-	0,6,6	-	-	-		
87	OHX	5	4158	-	0,6,6	-	-	-		
87	OHX	5	4025	-	0,6,6	-	-	-		
87	OHX	2	2152	-	0,6,6	-	-	-		
87	OHX	1	4204	-	0,6,6	-	-	-		
87	OHX	1	4216	-	0,6,6	-	-	-		
87	OHX	2	2071	-	0,6,6	-	-	-		
87	OHX	2	2124	-	0,6,6	-	-	-		
87	OHX	1	3933	-	0,6,6	-	-	-		
87	OHX	1	4066	-	0,6,6	-	-	-		
87	OHX	1	4166	-	0,6,6	-	-	-		
87	OHX	6	2149	-	0,6,6	-	-	-		
87	OHX	5	4024	-	0,6,6	-	-	-		
87	OHX	5	4052	-	0,6,6	-	-	-		
87	OHX	5	4065	-	0,6,6	-	-	-		
87	OHX	5	4223	-	0,6,6	-	-	-		
87	OHX	5	3935	-	0,6,6	-	-	-		
87	OHX	2	2109	-	0,6,6	-	-	-		
87	OHX	2	2150	-	0,6,6	-	-	-		
87	OHX	5	4204	-	0,6,6	-	-	-		
87	OHX	4	225	-	0,6,6	-	-	-		
87	OHX	6	2136	-	0,6,6	-	-	-		
87	OHX	1	4022	-	0,6,6	-	-	-		
87	OHX	5	3904	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
87	OHX	5	4246	-	0,6,6	-	-	-		
87	OHX	1	4039	-	0,6,6	-	-	-		
87	OHX	5	4086	-	0,6,6	-	-	-		
87	OHX	2	2050	-	0,6,6	-	-	-		
87	OHX	5	3936	-	0,6,6	-	-	-		
87	OHX	o2	201	-	0,6,6	-	-	-		
87	OHX	5	4139	-	0,6,6	-	-	-		
87	OHX	5	3956	-	0,6,6	-	-	-		
87	OHX	5	3973	-	0,6,6	-	-	-		
87	OHX	6	2133	-	0,6,6	-	-	-		
87	OHX	5	4166	-	0,6,6	-	-	-		
87	OHX	2	2058	-	0,6,6	-	-	-		
87	OHX	6	2203	-	0,6,6	-	-	-		
87	OHX	5	3927	-	0,6,6	-	-	-		
87	OHX	2	2072	-	0,6,6	-	-	-		
87	OHX	2	2172	-	0,6,6	-	-	-		
87	OHX	1	3917	-	0,6,6	-	-	-		
87	OHX	1	3934	-	0,6,6	-	-	-		
87	OHX	M5	303	-	0,6,6	-	-	-		
87	OHX	1	4003	-	0,6,6	-	-	-		
87	OHX	2	2100	-	0,6,6	-	-	-		
87	OHX	6	2117	-	0,6,6	-	-	-		
87	OHX	2	2049	-	0,6,6	-	-	-		
87	OHX	1	3923	-	0,6,6	-	-	-		
87	OHX	5	4233	-	0,6,6	-	-	-		
87	OHX	1	4184	-	0,6,6	-	-	-		
87	OHX	1	3936	-	0,6,6	-	-	-		
87	OHX	5	4034	-	0,6,6	-	-	-		
87	OHX	1	4081	-	0,6,6	-	-	-		
87	OHX	5	4193	-	0,6,6	-	-	-		
87	OHX	5	3955	-	0,6,6	-	-	-		
87	OHX	5	4220	-	0,6,6	-	-	-		
87	OHX	5	4221	-	0,6,6	-	-	-		
87	OHX	1	3948	-	0,6,6	-	-	-		
87	OHX	5	4041	-	0,6,6	-	-	-		
87	OHX	l3	404	-	0,6,6	-	-	-		
87	OHX	1	4113	-	0,6,6	-	-	-		
87	OHX	2	2122	-	0,6,6	-	-	-		
87	OHX	5	3951	-	0,6,6	-	-	-		
87	OHX	1	4155	-	0,6,6	-	-	-		
87	OHX	1	3891	-	0,6,6	-	-	-		
87	OHX	1	4151	-	0,6,6	-	-	-		
87	OHX	1	4130	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
87	OHX	1	4073	-	0,6,6	-	-	-		
87	OHX	1	4016	-	0,6,6	-	-	-		
87	OHX	2	2178	-	0,6,6	-	-	-		
87	OHX	1	4172	-	0,6,6	-	-	-		
87	OHX	M9	202	-	0,6,6	-	-	-		
87	OHX	5	4157	-	0,6,6	-	-	-		
87	OHX	2	2067	-	0,6,6	-	-	-		
87	OHX	6	2056	-	0,6,6	-	-	-		
87	OHX	5	4112	-	0,6,6	-	-	-		
87	OHX	5	4257	-	0,6,6	-	-	-		
87	OHX	1	3975	-	0,6,6	-	-	-		
87	OHX	2	2177	-	0,6,6	-	-	-		
87	OHX	6	2201	-	0,6,6	-	-	-		
87	OHX	6	2058	-	0,6,6	-	-	-		

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

Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
89	ANM	5	4260	-	-	0/10/23/23	0/2/2/2
89	ANM	1	4218	-	-	0/10/23/23	0/2/2/2

All (3) bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
89	5	4260	ANM	C11-C10	3.11	1.43	1.38
89	5	4260	ANM	C13-C1	3.08	1.43	1.38
89	5	4260	ANM	O1-C9	2.62	1.42	1.37

The worst 5 of 9 bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
89	5	4260	ANM	O2-C2-C16	-4.39	102.23	110.50
89	5	4260	ANM	C10-C9-C1	4.01	126.01	120.16
89	5	4260	ANM	O2-C2-C3	-3.41	101.21	109.49
89	1	4218	ANM	O2-C2-C3	-3.38	101.28	109.49
89	5	4260	ANM	C13-C1-C9	-3.36	115.89	119.73

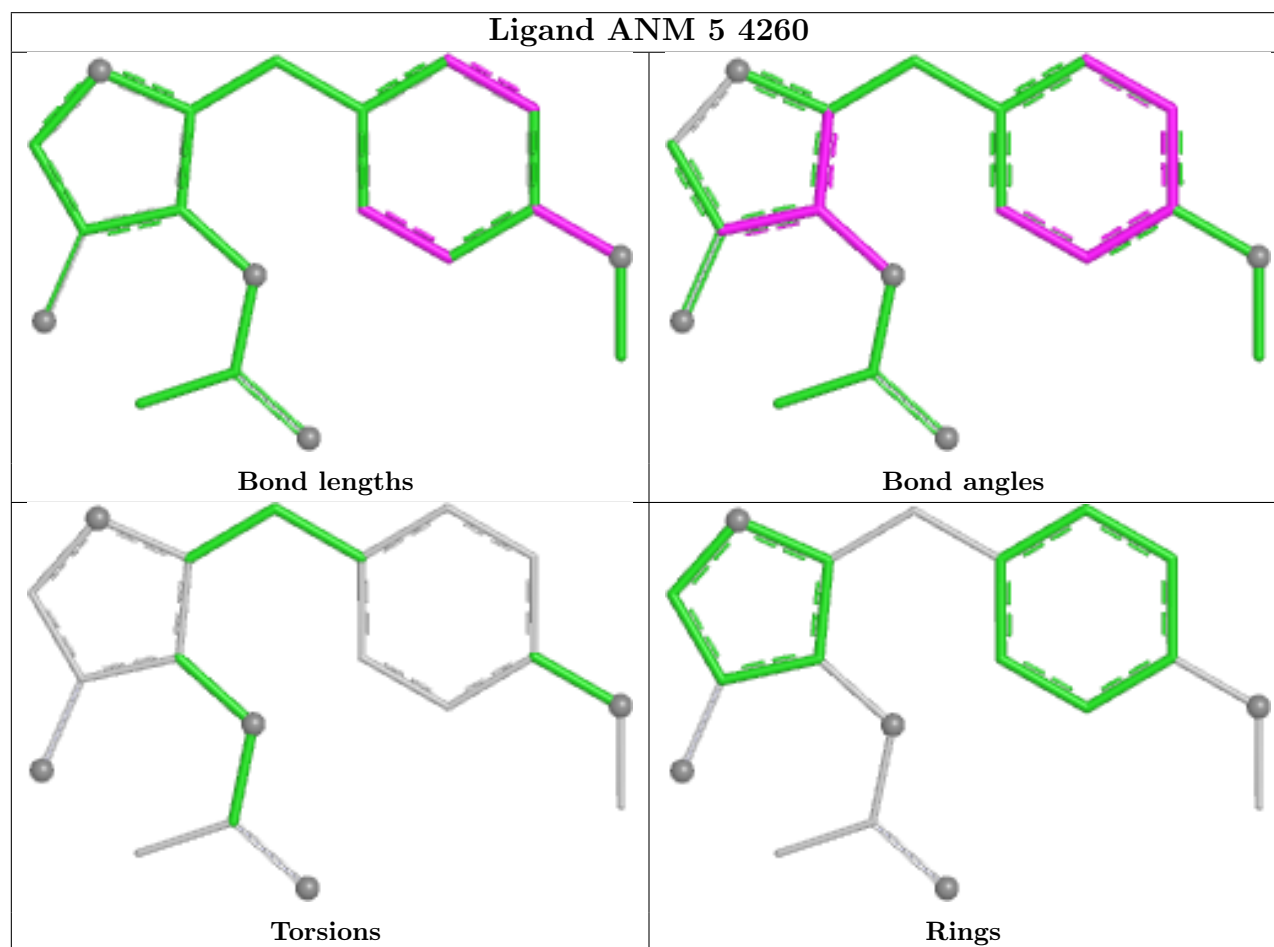
There are no chirality outliers.

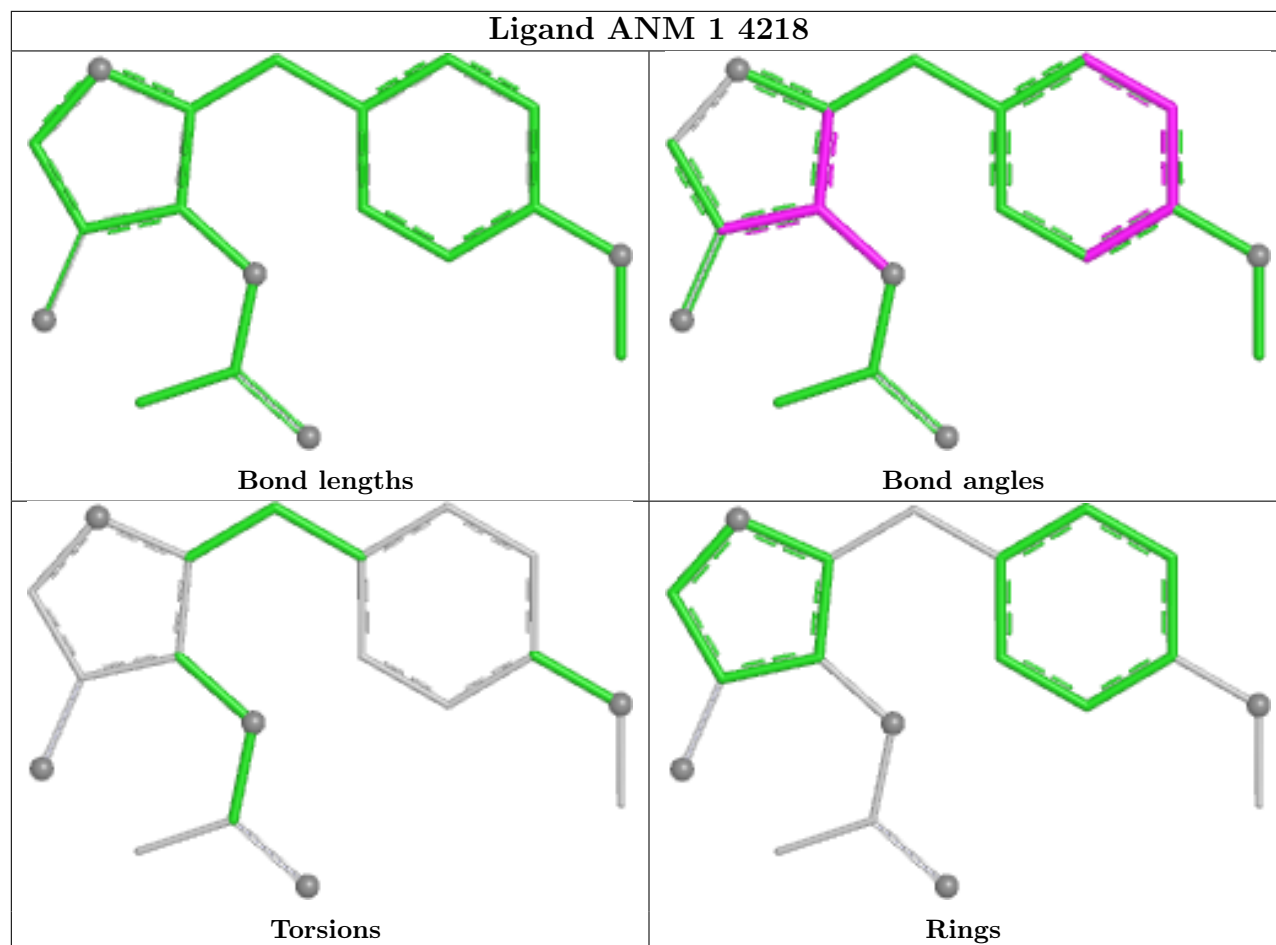
There are no torsion outliers.

There are no ring outliers.

No monomer is involved in short contacts.

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





5.7 Other polymers [i](#)

There are no such residues in this entry.

5.8 Polymer linkage issues [i](#)

There are no chain breaks in this entry.

6 Fit of model and data ⓘ

6.1 Protein, DNA and RNA chains ⓘ

In the following table, the column labelled ‘#RSRZ> 2’ contains the number (and percentage) of RSRZ outliers, followed by percent RSRZ outliers for the chain as percentile scores relative to all X-ray entries and entries of similar resolution. The OWAB column contains the minimum, median, 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%)	-0.07	18 (1%) 79 60	49, 84, 160, 254	0
1	6	1795/1800 (99%)	-0.20	22 (1%) 76 56	38, 71, 169, 252	0
2	S0	206/251 (82%)	0.34	9 (4%) 39 23	87, 103, 117, 148	0
2	s0	206/251 (82%)	-0.01	4 (1%) 66 44	69, 87, 103, 110	0
3	S1	214/254 (84%)	0.54	12 (5%) 31 18	90, 120, 148, 161	0
3	s1	216/254 (85%)	0.01	6 (2%) 55 33	62, 77, 102, 114	0
4	S2	217/253 (85%)	0.21	8 (3%) 45 27	66, 82, 98, 117	0
4	s2	217/253 (85%)	0.09	8 (3%) 45 27	52, 69, 88, 104	0
5	S3	223/239 (93%)	0.17	5 (2%) 62 40	72, 84, 112, 134	0
5	s3	223/239 (93%)	0.46	7 (3%) 51 30	66, 93, 117, 123	0
6	S4	260/260 (100%)	0.28	11 (4%) 41 24	61, 83, 95, 128	0
6	s4	260/260 (100%)	-0.22	2 (0%) 82 66	48, 72, 86, 117	0
7	S5	206/224 (91%)	0.46	6 (2%) 54 32	88, 109, 128, 142	0
7	s5	206/224 (91%)	0.19	4 (1%) 66 44	65, 89, 116, 131	0
8	S6	226/236 (95%)	0.41	15 (6%) 26 14	60, 96, 117, 139	0
8	s6	218/236 (92%)	0.16	5 (2%) 61 39	49, 77, 104, 127	0
9	S7	184/189 (97%)	0.29	3 (1%) 70 49	81, 112, 138, 146	0
9	s7	186/189 (98%)	0.21	5 (2%) 56 34	65, 97, 132, 145	0
10	S8	188/200 (94%)	0.03	2 (1%) 77 58	52, 69, 106, 127	0
10	s8	188/200 (94%)	-0.05	0 100 100	42, 63, 110, 128	0
11	S9	185/196 (94%)	0.25	4 (2%) 62 40	76, 91, 127, 160	0
11	s9	185/196 (94%)	0.10	3 (1%) 70 49	60, 75, 110, 145	0
12	C0	96/105 (91%)	0.45	4 (4%) 41 24	76, 97, 131, 144	0
12	c0	96/105 (91%)	0.84	13 (13%) 8 5	86, 117, 141, 162	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
13	C1	155/155 (100%)	0.30	11 (7%) 23 13	55, 68, 118, 135	0
13	c1	146/155 (94%)	0.11	6 (4%) 42 24	46, 60, 97, 112	0
14	C2	124/142 (87%)	0.59	6 (4%) 36 21	118, 135, 160, 182	0
14	c2	124/142 (87%)	0.70	4 (3%) 50 30	157, 177, 196, 203	0
15	C3	150/150 (100%)	0.16	2 (1%) 74 54	64, 82, 99, 105	0
15	c3	150/150 (100%)	0.05	1 (0%) 84 68	53, 69, 87, 102	0
16	C4	127/136 (93%)	0.52	5 (3%) 44 26	63, 119, 138, 141	0
16	c4	128/136 (94%)	0.03	0 100 100	53, 78, 88, 92	0
17	C5	124/141 (87%)	0.32	7 (5%) 31 18	72, 88, 128, 161	0
17	c5	135/141 (95%)	0.36	8 (5%) 29 16	70, 91, 118, 151	0
18	C6	141/142 (99%)	0.37	4 (2%) 55 33	78, 101, 109, 113	0
18	c6	142/142 (100%)	0.45	11 (7%) 21 12	61, 82, 99, 121	0
19	C7	120/136 (88%)	0.44	7 (5%) 30 17	85, 101, 128, 130	0
19	c7	117/136 (86%)	0.13	3 (2%) 57 35	70, 85, 115, 122	0
20	C8	145/145 (100%)	0.25	4 (2%) 55 33	72, 97, 124, 132	0
20	c8	145/145 (100%)	0.04	2 (1%) 73 52	67, 81, 109, 127	0
21	C9	143/143 (100%)	0.21	2 (1%) 73 52	82, 98, 117, 128	0
21	c9	143/143 (100%)	-0.15	0 100 100	61, 74, 96, 114	0
22	D0	107/120 (89%)	0.60	5 (4%) 37 21	70, 104, 139, 145	0
22	d0	110/120 (91%)	0.27	1 (0%) 81 63	61, 97, 137, 154	0
23	D1	87/87 (100%)	0.01	3 (3%) 48 28	83, 90, 110, 126	0
23	d1	87/87 (100%)	-0.23	0 100 100	65, 73, 98, 113	0
24	D2	129/129 (100%)	-0.03	1 (0%) 82 66	65, 76, 84, 94	0
24	d2	129/129 (100%)	-0.23	1 (0%) 82 66	50, 61, 68, 78	0
25	D3	144/144 (100%)	0.17	2 (1%) 73 52	54, 60, 73, 85	0
25	d3	144/144 (100%)	-0.08	3 (2%) 63 41	44, 48, 63, 80	0
26	D4	134/134 (100%)	0.19	4 (2%) 52 31	70, 97, 114, 124	0
26	d4	134/134 (100%)	0.04	5 (3%) 45 27	55, 79, 94, 124	0
27	D5	70/107 (65%)	0.48	5 (7%) 23 13	104, 121, 134, 142	0
27	d5	69/107 (64%)	0.10	0 100 100	80, 104, 121, 125	0
28	D6	97/97 (100%)	0.64	7 (7%) 23 13	68, 83, 141, 149	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
28	d6	97/97 (100%)	0.18	0 100 100	50, 61, 93, 104	0
29	D7	81/81 (100%)	0.28	2 (2%) 58 36	79, 93, 128, 136	0
29	d7	81/81 (100%)	-0.05	1 (1%) 76 56	63, 79, 124, 126	0
30	D8	63/66 (95%)	0.64	3 (4%) 36 21	102, 120, 136, 162	0
30	d8	63/66 (95%)	0.35	2 (3%) 50 30	82, 100, 119, 127	0
31	D9	53/55 (96%)	0.21	1 (1%) 66 44	70, 74, 95, 106	0
31	d9	53/55 (96%)	0.35	3 (5%) 30 17	65, 72, 111, 123	0
32	E0	60/60 (100%)	0.31	3 (5%) 35 20	59, 90, 128, 133	0
33	E1	71/76 (93%)	0.52	3 (4%) 41 24	94, 115, 132, 136	0
34	SR	318/318 (100%)	0.11	2 (0%) 85 71	64, 106, 128, 148	0
34	sR	318/318 (100%)	0.36	13 (4%) 42 24	86, 106, 125, 144	0
35	SM	159/273 (58%)	0.68	22 (13%) 8 4	62, 85, 134, 137	0
35	sM	104/273 (38%)	0.96	23 (22%) 3 2	56, 93, 172, 177	0
36	1	3149/3396 (92%)	-0.44	38 (1%) 76 56	26, 48, 130, 253	0
36	5	3150/3396 (92%)	-0.50	37 (1%) 76 56	27, 47, 120, 255	0
37	3	121/121 (100%)	-0.63	0 100 100	39, 67, 82, 88	0
37	7	121/121 (100%)	-0.73	1 (0%) 82 66	31, 49, 63, 71	0
38	4	158/158 (100%)	-0.39	4 (2%) 58 36	32, 50, 90, 129	0
38	8	158/158 (100%)	-0.32	5 (3%) 50 30	38, 57, 95, 123	0
39	L2	252/253 (99%)	-0.33	0 100 100	31, 46, 64, 74	0
39	l2	252/253 (99%)	-0.20	6 (2%) 59 37	31, 49, 68, 80	0
40	L3	386/386 (100%)	-0.35	1 (0%) 90 81	33, 52, 67, 96	0
40	l3	386/386 (100%)	-0.45	1 (0%) 90 81	26, 39, 52, 84	0
41	L4	361/361 (100%)	-0.49	2 (0%) 85 71	27, 42, 61, 75	0
41	l4	361/361 (100%)	-0.42	0 100 100	30, 47, 66, 83	0
42	L5	296/296 (100%)	-0.10	2 (0%) 84 68	50, 74, 94, 118	0
42	l5	294/296 (99%)	-0.31	4 (1%) 73 52	38, 54, 83, 127	0
43	L6	156/175 (89%)	-0.50	0 100 100	38, 45, 66, 86	0
43	l6	157/175 (89%)	-0.42	0 100 100	39, 47, 69, 82	0
44	L7	222/243 (91%)	-0.50	0 100 100	31, 39, 68, 115	0
44	l7	223/243 (91%)	-0.56	0 100 100	29, 36, 78, 129	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
45	L8	233/255 (91%)	-0.05	2 (0%) 81 63	53, 68, 105, 116	0
45	l8	231/255 (90%)	0.16	5 (2%) 62 40	65, 78, 105, 114	0
46	L9	191/191 (100%)	-0.23	0 100 100	47, 60, 74, 96	0
46	l9	191/191 (100%)	-0.39	0 100 100	34, 44, 66, 97	0
47	M0	211/220 (95%)	-0.26	5 (2%) 59 37	34, 51, 90, 103	0
47	m0	213/220 (96%)	-0.20	5 (2%) 61 39	34, 57, 80, 99	0
48	M1	169/173 (97%)	-0.07	1 (0%) 85 71	56, 77, 91, 105	0
48	m1	169/173 (97%)	-0.34	1 (0%) 85 71	40, 59, 72, 84	0
49	M3	193/198 (97%)	-0.37	0 100 100	30, 51, 92, 117	0
49	m3	194/198 (97%)	-0.21	1 (0%) 87 75	39, 61, 97, 121	0
50	M4	136/137 (99%)	-0.36	1 (0%) 84 68	40, 49, 63, 72	0
50	m4	137/137 (100%)	-0.33	3 (2%) 62 40	36, 42, 62, 76	0
51	M5	203/203 (100%)	-0.32	0 100 100	30, 45, 55, 61	0
51	m5	203/203 (100%)	-0.17	0 100 100	36, 53, 64, 70	0
52	M6	197/198 (99%)	-0.27	1 (0%) 87 75	31, 40, 59, 63	0
52	m6	197/198 (99%)	-0.27	3 (1%) 71 50	26, 31, 57, 64	0
53	M7	183/183 (100%)	-0.06	8 (4%) 39 23	34, 42, 105, 127	0
53	m7	155/183 (84%)	-0.48	1 (0%) 85 71	28, 38, 51, 81	0
54	M8	185/185 (100%)	-0.38	0 100 100	32, 42, 54, 65	0
54	m8	185/185 (100%)	-0.41	0 100 100	35, 45, 54, 62	0
55	M9	188/188 (100%)	0.20	4 (2%) 63 41	47, 63, 154, 163	0
55	m9	188/188 (100%)	0.05	2 (1%) 77 58	45, 56, 131, 144	0
56	N0	172/172 (100%)	-0.25	4 (2%) 61 39	39, 47, 62, 70	0
56	n0	172/172 (100%)	-0.42	3 (1%) 69 47	32, 39, 50, 60	0
57	N1	159/159 (100%)	-0.19	0 100 100	36, 47, 89, 97	0
57	n1	159/159 (100%)	-0.42	0 100 100	33, 40, 77, 86	0
58	N2	100/120 (83%)	0.36	4 (4%) 43 25	78, 95, 113, 123	0
58	n2	98/120 (81%)	0.12	1 (1%) 79 60	69, 84, 97, 101	0
59	N3	136/136 (100%)	-0.34	2 (1%) 71 50	36, 47, 61, 72	0
59	n3	136/136 (100%)	-0.46	1 (0%) 84 68	27, 38, 55, 58	0
60	N4	98/155 (63%)	0.66	16 (16%) 5 4	47, 60, 151, 159	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
60	n4	135/155 (87%)	0.27	7 (5%) 34 19	37, 85, 116, 135	0
61	N5	121/141 (85%)	-0.22	0 100 100	43, 57, 74, 108	0
61	n5	120/141 (85%)	0.06	6 (5%) 35 20	46, 62, 81, 89	0
62	N6	126/126 (100%)	-0.50	1 (0%) 82 66	35, 52, 65, 75	0
62	n6	126/126 (100%)	-0.18	1 (0%) 82 66	42, 56, 74, 81	0
63	N7	135/135 (100%)	-0.21	0 100 100	65, 81, 95, 106	0
63	n7	135/135 (100%)	0.14	1 (0%) 84 68	71, 87, 108, 120	0
64	N8	148/148 (100%)	-0.41	0 100 100	26, 44, 68, 80	0
64	n8	148/148 (100%)	-0.42	0 100 100	30, 48, 69, 73	0
65	N9	58/58 (100%)	0.10	3 (5%) 34 19	34, 51, 102, 120	0
65	n9	58/58 (100%)	-0.02	2 (3%) 48 28	31, 49, 78, 92	0
66	O0	97/104 (93%)	-0.23	0 100 100	63, 72, 97, 105	0
66	o0	100/104 (96%)	0.00	2 (2%) 64 43	64, 75, 103, 114	0
67	O1	109/112 (97%)	0.05	1 (0%) 81 63	44, 57, 94, 110	0
67	o1	109/112 (97%)	-0.38	0 100 100	37, 49, 87, 107	0
68	O2	127/129 (98%)	-0.46	1 (0%) 82 66	24, 39, 50, 71	0
68	o2	127/129 (98%)	-0.38	3 (2%) 59 37	25, 44, 57, 74	0
69	O3	106/106 (100%)	-0.45	0 100 100	32, 38, 57, 67	0
69	o3	106/106 (100%)	-0.46	2 (1%) 66 44	29, 36, 61, 74	0
70	O4	112/119 (94%)	0.12	4 (3%) 46 27	44, 62, 104, 116	0
70	o4	112/119 (94%)	0.30	2 (1%) 67 45	44, 64, 107, 117	0
71	O5	119/119 (100%)	-0.19	2 (1%) 69 47	41, 60, 68, 70	0
71	o5	119/119 (100%)	-0.01	1 (0%) 82 66	50, 66, 76, 81	0
72	O6	99/99 (100%)	-0.21	1 (1%) 79 60	49, 60, 92, 109	0
72	o6	99/99 (100%)	-0.20	0 100 100	55, 68, 91, 115	0
73	O7	87/87 (100%)	-0.07	3 (3%) 48 28	32, 38, 68, 97	0
73	o7	87/87 (100%)	-0.04	3 (3%) 48 28	37, 41, 74, 110	0
74	O8	77/77 (100%)	-0.03	1 (1%) 74 54	68, 82, 106, 117	0
74	o8	77/77 (100%)	0.08	0 100 100	70, 86, 107, 112	0
75	O9	50/50 (100%)	-0.04	0 100 100	41, 45, 53, 58	0
75	o9	50/50 (100%)	-0.06	0 100 100	43, 49, 60, 67	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
76	Q0	52/52 (100%)	-0.36	0 100 100	45, 50, 74, 84	0
76	q0	52/52 (100%)	-0.64	0 100 100	30, 37, 49, 58	0
77	Q1	25/25 (100%)	0.15	1 (4%) 43 25	49, 53, 62, 64	0
77	q1	25/25 (100%)	-0.23	0 100 100	39, 45, 56, 64	0
78	Q2	105/105 (100%)	-0.27	1 (0%) 79 60	33, 51, 75, 112	0
78	q2	105/105 (100%)	-0.41	0 100 100	37, 48, 66, 100	0
79	Q3	91/91 (100%)	-0.21	0 100 100	38, 49, 67, 83	0
79	q3	91/91 (100%)	-0.11	1 (1%) 77 58	37, 49, 65, 76	0
80	e0	62/62 (100%)	0.23	4 (6%) 26 15	52, 76, 115, 124	0
81	e1	76/76 (100%)	1.19	14 (18%) 4 3	133, 145, 162, 169	0
82	m2	0/160	-	-	-	-
83	p0	143/311 (45%)	0.51	9 (6%) 27 15	84, 102, 169, 178	0
84	p1	0/47	-	-	-	-
85	p2	0/46	-	-	-	-
All	All	33063/35344 (93%)	-0.13	626 (1%) 66 44	24, 64, 126, 255	0

The worst 5 of 626 RSRZ outliers are listed below:

Mol	Chain	Res	Type	RSRZ
7	S5	37	GLN	8.0
35	SM	85	SER	7.3
81	e1	77	ALA	7.0
73	o7	88	ALA	6.8
60	N4	86	SER	6.2

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 monosaccharides in this entry.

6.4 Ligands ⓘ

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

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
86	MG	1	3809	1/1	0.09	0.30	199,199,199,199	0
86	MG	6	1924	1/1	0.11	0.42	104,104,104,104	0
86	MG	1	3819	1/1	0.18	0.44	105,105,105,105	0
86	MG	2	1953	1/1	0.21	0.41	105,105,105,105	0
86	MG	5	3777	1/1	0.35	0.33	99,99,99,99	0
86	MG	4	222	1/1	0.40	0.43	89,89,89,89	0
86	MG	5	3887	1/1	0.41	0.43	91,91,91,91	0
86	MG	2	1968	1/1	0.42	0.52	112,112,112,112	0
86	MG	2	1990	1/1	0.44	0.40	110,110,110,110	0
86	MG	5	3790	1/1	0.47	0.44	89,89,89,89	0
86	MG	6	2012	1/1	0.47	0.27	137,137,137,137	0
86	MG	5	3901	1/1	0.51	0.27	148,148,148,148	0
86	MG	2	1959	1/1	0.52	0.43	97,97,97,97	0
86	MG	1	3856	1/1	0.53	0.30	93,93,93,93	0
86	MG	2	2002	1/1	0.54	0.38	102,102,102,102	0
86	MG	1	3594	1/1	0.55	0.38	67,67,67,67	0
86	MG	6	1909	1/1	0.55	0.37	99,99,99,99	0
86	MG	2	2017	1/1	0.56	0.24	75,75,75,75	0
86	MG	5	3466	1/1	0.57	0.37	98,98,98,98	0
86	MG	2	1954	1/1	0.60	0.26	96,96,96,96	0
86	MG	6	2037	1/1	0.61	0.44	92,92,92,92	0
86	MG	2	1951	1/1	0.61	0.40	90,90,90,90	0
86	MG	2	1986	1/1	0.62	0.31	102,102,102,102	0
86	MG	2	1972	1/1	0.62	0.39	81,81,81,81	0
86	MG	6	2036	1/1	0.62	0.45	97,97,97,97	0
86	MG	5	3800	1/1	0.62	0.32	75,75,75,75	0
86	MG	1	3405	1/1	0.62	0.39	97,97,97,97	0
86	MG	6	2042	1/1	0.62	0.47	90,90,90,90	0
86	MG	1	3734	1/1	0.63	0.31	82,82,82,82	0
86	MG	5	3785	1/1	0.63	0.40	76,76,76,76	0
86	MG	6	2018	1/1	0.63	0.27	111,111,111,111	0
86	MG	2	1963	1/1	0.64	0.20	135,135,135,135	0
86	MG	2	1915	1/1	0.64	0.41	66,66,66,66	0
86	MG	5	3784	1/1	0.65	0.38	82,82,82,82	0
86	MG	N5	201	1/1	0.65	0.29	73,73,73,73	0
86	MG	2	1952	1/1	0.65	0.33	92,92,92,92	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
86	MG	2	1975	1/1	0.66	0.51	81,81,81,81	0
86	MG	6	1966	1/1	0.66	0.37	82,82,82,82	0
86	MG	1	3652	1/1	0.66	0.45	91,91,91,91	0
86	MG	6	1904	1/1	0.66	0.34	69,69,69,69	0
86	MG	3	212	1/1	0.66	0.17	76,76,76,76	0
86	MG	6	1963	1/1	0.67	0.29	87,87,87,87	0
86	MG	2	1969	1/1	0.67	0.35	93,93,93,93	0
86	MG	2	2016	1/1	0.67	0.36	70,70,70,70	0
86	MG	6	1907	1/1	0.68	0.35	64,64,64,64	0
86	MG	2	1978	1/1	0.68	0.32	91,91,91,91	0
86	MG	Q2	502	1/1	0.69	0.18	58,58,58,58	0
86	MG	5	3711	1/1	0.69	0.30	85,85,85,85	0
86	MG	5	3447	1/1	0.69	0.23	56,56,56,56	0
87	OHX	5	4236	7/7	0.69	0.31	121,121,121,121	0
86	MG	2	2009	1/1	0.70	0.33	72,72,72,72	0
87	OHX	1	4191	7/7	0.70	0.19	179,179,179,179	0
87	OHX	1	4194	7/7	0.70	0.28	135,135,135,135	0
86	MG	2	1960	1/1	0.70	0.26	61,61,61,61	0
86	MG	5	3679	1/1	0.71	0.20	93,93,93,93	0
86	MG	6	1998	1/1	0.71	0.29	98,98,98,98	0
86	MG	2	2019	1/1	0.71	0.43	71,71,71,71	0
86	MG	1	3531	1/1	0.71	0.34	62,62,62,62	0
86	MG	2	2022	1/1	0.71	0.28	108,108,108,108	0
86	MG	5	3479	1/1	0.71	0.39	63,63,63,63	0
86	MG	5	3419	1/1	0.72	0.32	72,72,72,72	0
86	MG	1	3757	1/1	0.72	0.27	100,100,100,100	0
86	MG	2	1982	1/1	0.72	0.24	78,78,78,78	0
86	MG	1	3672	1/1	0.72	0.43	61,61,61,61	0
86	MG	2	1928	1/1	0.72	0.42	78,78,78,78	0
86	MG	5	3797	1/1	0.72	0.28	86,86,86,86	0
86	MG	2	2018	1/1	0.73	0.35	79,79,79,79	0
86	MG	6	2026	1/1	0.73	0.45	87,87,87,87	0
86	MG	2	2001	1/1	0.73	0.33	107,107,107,107	0
86	MG	1	3529	1/1	0.73	0.31	46,46,46,46	0
86	MG	5	3654	1/1	0.73	0.38	44,44,44,44	0
86	MG	3	201	1/1	0.73	0.29	69,69,69,69	0
86	MG	5	3731	1/1	0.74	0.23	97,97,97,97	0
86	MG	5	3811	1/1	0.74	0.27	95,95,95,95	0
86	MG	6	2205	1/1	0.74	0.23	67,67,67,67	0
86	MG	5	3651	1/1	0.74	0.21	88,88,88,88	0
86	MG	1	3676	1/1	0.74	0.42	69,69,69,69	0
86	MG	1	3503	1/1	0.74	0.29	47,47,47,47	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
86	MG	2	1976	1/1	0.74	0.32	57,57,57,57	0
86	MG	1	3638	1/1	0.75	0.21	50,50,50,50	0
86	MG	5	3469	1/1	0.75	0.17	109,109,109,109	0
87	OHX	1	4176	7/7	0.75	0.27	133,133,133,133	0
86	MG	3	209	1/1	0.75	0.27	60,60,60,60	0
86	MG	6	2033	1/1	0.75	0.24	71,71,71,71	0
86	MG	5	3448	1/1	0.75	0.28	64,64,64,64	0
86	MG	2	1989	1/1	0.76	0.36	58,58,58,58	0
86	MG	3	208	1/1	0.76	0.26	79,79,79,79	0
86	MG	1	3475	1/1	0.76	0.33	74,74,74,74	0
86	MG	2	1966	1/1	0.76	0.33	82,82,82,82	0
86	MG	1	3629	1/1	0.76	0.27	71,71,71,71	0
86	MG	6	1933	1/1	0.76	0.44	65,65,65,65	0
86	MG	6	1934	1/1	0.76	0.29	73,73,73,73	0
86	MG	1	3714	1/1	0.76	0.36	78,78,78,78	0
87	OHX	5	4215	7/7	0.76	0.23	143,143,143,143	0
86	MG	5	3636	1/1	0.76	0.20	50,50,50,50	0
86	MG	1	3738	1/1	0.77	0.20	35,35,35,35	0
86	MG	5	3818	1/1	0.77	0.16	80,80,80,80	0
86	MG	S8	301	1/1	0.77	0.24	60,60,60,60	0
86	MG	1	3494	1/1	0.77	0.33	78,78,78,78	0
87	OHX	2	2165	7/7	0.77	0.24	134,134,134,134	0
86	MG	1	3651	1/1	0.77	0.25	66,66,66,66	0
86	MG	5	3683	1/1	0.77	0.35	84,84,84,84	0
86	MG	5	3695	1/1	0.77	0.18	51,51,51,51	0
87	OHX	6	2189	7/7	0.77	0.21	133,133,133,133	0
86	MG	2	1946	1/1	0.77	0.27	80,80,80,80	0
86	MG	5	3807	1/1	0.77	0.21	56,56,56,56	0
87	OHX	5	4243	7/7	0.77	0.22	133,133,133,133	0
87	OHX	5	4245	7/7	0.77	0.20	151,151,151,151	0
88	ZN	D7	101	1/1	0.77	0.24	147,147,147,147	0
87	OHX	1	4131	7/7	0.78	0.18	149,149,149,149	0
86	MG	5	3635	1/1	0.78	0.38	85,85,85,85	0
86	MG	1	3508	1/1	0.78	0.36	30,30,30,30	0
86	MG	1	3751	1/1	0.78	0.15	45,45,45,45	0
87	OHX	1	4200	7/7	0.78	0.19	129,129,129,129	0
86	MG	2	1926	1/1	0.78	0.37	86,86,86,86	0
87	OHX	5	4172	7/7	0.78	0.17	165,165,165,165	0
86	MG	5	3820	1/1	0.78	0.24	56,56,56,56	0
86	MG	5	3864	1/1	0.78	0.28	82,82,82,82	0
87	OHX	5	4242	7/7	0.78	0.19	151,151,151,151	0
86	MG	6	1936	1/1	0.78	0.30	77,77,77,77	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
86	MG	2	1924	1/1	0.78	0.51	79,79,79,79	0
87	OHX	5	4247	7/7	0.78	0.20	141,141,141,141	0
86	MG	c7	201	1/1	0.78	0.28	71,71,71,71	0
86	MG	5	3492	1/1	0.79	0.39	59,59,59,59	0
86	MG	5	3555	1/1	0.79	0.33	34,34,34,34	0
86	MG	5	3571	1/1	0.79	0.40	29,29,29,29	0
86	MG	5	3591	1/1	0.79	0.33	35,35,35,35	0
86	MG	5	3615	1/1	0.79	0.23	47,47,47,47	0
86	MG	2	1988	1/1	0.79	0.20	66,66,66,66	0
86	MG	6	1920	1/1	0.79	0.40	63,63,63,63	0
86	MG	5	3891	1/1	0.79	0.41	82,82,82,82	0
86	MG	2	2011	1/1	0.79	0.40	71,71,71,71	0
87	OHX	2	2164	7/7	0.79	0.15	165,165,165,165	0
86	MG	2	1964	1/1	0.79	0.23	89,89,89,89	0
86	MG	2	1971	1/1	0.79	0.32	71,71,71,71	0
87	OHX	1	4146	7/7	0.79	0.27	110,110,110,110	0
86	MG	6	1935	1/1	0.79	0.24	52,52,52,52	0
87	OHX	1	4180	7/7	0.79	0.19	146,146,146,146	0
86	MG	5	3687	1/1	0.79	0.29	60,60,60,60	0
86	MG	2	1994	1/1	0.79	0.38	83,83,83,83	0
87	OHX	1	4199	7/7	0.79	0.19	138,138,138,138	0
86	MG	5	3698	1/1	0.79	0.16	44,44,44,44	0
87	OHX	6	2146	7/7	0.79	0.20	132,132,132,132	0
87	OHX	6	2183	7/7	0.79	0.21	132,132,132,132	0
87	OHX	6	2187	7/7	0.79	0.19	145,145,145,145	0
86	MG	6	1958	1/1	0.79	0.38	52,52,52,52	0
86	MG	5	3725	1/1	0.79	0.23	51,51,51,51	0
86	MG	5	3430	1/1	0.79	0.33	76,76,76,76	0
86	MG	5	3774	1/1	0.79	0.26	68,68,68,68	0
86	MG	M3	202	1/1	0.79	0.34	88,88,88,88	0
86	MG	1	3795	1/1	0.79	0.16	70,70,70,70	0
86	MG	2	1949	1/1	0.79	0.30	57,57,57,57	0
86	MG	1	3525	1/1	0.79	0.20	42,42,42,42	0
87	OHX	5	4255	7/7	0.79	0.19	148,148,148,148	0
87	OHX	14	402	7/7	0.79	0.18	142,142,142,142	0
87	OHX	14	403	7/7	0.79	0.21	135,135,135,135	0
86	MG	2	1948	1/1	0.79	0.23	85,85,85,85	0
88	ZN	d7	101	1/1	0.79	0.23	142,142,142,142	0
86	MG	5	3809	1/1	0.80	0.12	152,152,152,152	0
86	MG	2	1943	1/1	0.80	0.25	67,67,67,67	0
86	MG	6	1968	1/1	0.80	0.32	68,68,68,68	0
86	MG	2	1938	1/1	0.80	0.39	62,62,62,62	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
86	MG	5	3862	1/1	0.80	0.33	81,81,81,81	0
86	MG	4	204	1/1	0.80	0.35	70,70,70,70	0
86	MG	5	3736	1/1	0.80	0.30	65,65,65,65	0
86	MG	5	3751	1/1	0.80	0.32	37,37,37,37	0
87	OHX	5	4180	7/7	0.80	0.30	111,111,111,111	0
87	OHX	5	4196	7/7	0.80	0.17	146,146,146,146	0
86	MG	5	3894	1/1	0.80	0.21	38,38,38,38	0
87	OHX	5	4233	7/7	0.80	0.18	141,141,141,141	0
86	MG	1	3687	1/1	0.80	0.23	84,84,84,84	0
86	MG	2	1999	1/1	0.80	0.31	69,69,69,69	0
86	MG	5	3455	1/1	0.80	0.24	86,86,86,86	0
86	MG	1	3480	1/1	0.80	0.27	71,71,71,71	0
87	OHX	1	4145	7/7	0.80	0.23	134,134,134,134	0
87	OHX	5	4248	7/7	0.80	0.17	180,180,180,180	0
87	OHX	5	4249	7/7	0.80	0.13	223,223,223,223	0
86	MG	1	3864	1/1	0.80	0.15	114,114,114,114	0
86	MG	S2	301	1/1	0.80	0.47	65,65,65,65	0
86	MG	5	3489	1/1	0.80	0.15	30,30,30,30	0
86	MG	1	3671	1/1	0.80	0.15	52,52,52,52	0
87	OHX	1	4192	7/7	0.80	0.20	139,139,139,139	0
86	MG	6	2032	1/1	0.81	0.35	81,81,81,81	0
87	OHX	1	4182	7/7	0.81	0.18	148,148,148,148	0
87	OHX	1	4190	7/7	0.81	0.20	137,137,137,137	0
86	MG	1	3554	1/1	0.81	0.23	49,49,49,49	0
86	MG	6	1911	1/1	0.81	0.32	77,77,77,77	0
86	MG	2	1934	1/1	0.81	0.35	74,74,74,74	0
86	MG	1	3420	1/1	0.81	0.37	67,67,67,67	0
86	MG	1	3697	1/1	0.81	0.17	47,47,47,47	0
86	MG	1	3699	1/1	0.81	0.34	74,74,74,74	0
86	MG	5	3675	1/1	0.81	0.23	66,66,66,66	0
86	MG	1	3705	1/1	0.81	0.33	66,66,66,66	0
86	MG	5	3420	1/1	0.81	0.26	94,94,94,94	0
87	OHX	5	4161	7/7	0.81	0.25	118,118,118,118	0
86	MG	1	3636	1/1	0.81	0.39	65,65,65,65	0
86	MG	1	3723	1/1	0.81	0.43	42,42,42,42	0
86	MG	2	1930	1/1	0.81	0.23	61,61,61,61	0
86	MG	2	1993	1/1	0.81	0.19	68,68,68,68	0
87	OHX	5	4228	7/7	0.81	0.20	137,137,137,137	0
87	OHX	5	4229	7/7	0.81	0.18	151,151,151,151	0
86	MG	2	1958	1/1	0.81	0.41	79,79,79,79	0
86	MG	7	208	1/1	0.81	0.22	48,48,48,48	0
87	OHX	5	4239	7/7	0.81	0.23	118,118,118,118	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
86	MG	7	213	1/1	0.81	0.21	47,47,47,47	0
86	MG	7	214	1/1	0.81	0.23	55,55,55,55	0
87	OHX	2	2160	7/7	0.81	0.19	148,148,148,148	0
87	OHX	2	2161	7/7	0.81	0.21	132,132,132,132	0
86	MG	1	3753	1/1	0.81	0.23	52,52,52,52	0
86	MG	6	1999	1/1	0.81	0.12	53,53,53,53	0
87	OHX	2	2179	7/7	0.81	0.15	167,167,167,167	0
86	MG	1	3670	1/1	0.81	0.29	75,75,75,75	0
86	MG	1	3761	1/1	0.81	0.11	35,35,35,35	0
87	OHX	m4	201	7/7	0.81	0.12	202,202,202,202	0
86	MG	5	3528	1/1	0.81	0.38	52,52,52,52	0
86	MG	1	3547	1/1	0.81	0.19	61,61,61,61	0
87	OHX	1	4197	7/7	0.82	0.16	142,142,142,142	0
86	MG	1	3419	1/1	0.82	0.25	82,82,82,82	0
86	MG	2	1979	1/1	0.82	0.32	56,56,56,56	0
87	OHX	M9	202	7/7	0.82	0.15	156,156,156,156	0
86	MG	1	3457	1/1	0.82	0.27	27,27,27,27	0
87	OHX	6	2168	7/7	0.82	0.17	143,143,143,143	0
86	MG	7	204	1/1	0.82	0.32	63,63,63,63	0
86	MG	5	3738	1/1	0.82	0.26	66,66,66,66	0
86	MG	2	1910	1/1	0.82	0.41	56,56,56,56	0
87	OHX	6	2190	7/7	0.82	0.18	152,152,152,152	0
87	OHX	5	4149	7/7	0.82	0.19	123,123,123,123	0
86	MG	5	3773	1/1	0.82	0.14	101,101,101,101	0
87	OHX	5	4167	7/7	0.82	0.22	126,126,126,126	0
86	MG	8	202	1/1	0.82	0.36	60,60,60,60	0
86	MG	8	209	1/1	0.82	0.32	63,63,63,63	0
86	MG	l5	303	1/1	0.82	0.23	63,63,63,63	0
86	MG	1	3478	1/1	0.82	0.16	42,42,42,42	0
86	MG	2	1996	1/1	0.82	0.28	93,93,93,93	0
86	MG	5	3433	1/1	0.82	0.27	75,75,75,75	0
86	MG	1	3491	1/1	0.82	0.14	44,44,44,44	0
87	OHX	2	2178	7/7	0.82	0.15	172,172,172,172	0
87	OHX	5	4238	7/7	0.82	0.18	146,146,146,146	0
86	MG	6	2022	1/1	0.82	0.17	66,66,66,66	0
86	MG	5	3657	1/1	0.82	0.14	42,42,42,42	0
86	MG	5	3658	1/1	0.82	0.19	53,53,53,53	0
86	MG	1	3555	1/1	0.82	0.29	34,34,34,34	0
87	OHX	1	4164	7/7	0.82	0.16	148,148,148,148	0
86	MG	6	2028	1/1	0.82	0.24	75,75,75,75	0
86	MG	2	1929	1/1	0.82	0.38	63,63,63,63	0
86	MG	1	3618	1/1	0.82	0.15	60,60,60,60	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
87	OHX	8	223	7/7	0.82	0.19	124,124,124,124	0
87	OHX	1	4185	7/7	0.82	0.21	131,131,131,131	0
86	MG	5	3484	1/1	0.82	0.23	66,66,66,66	0
87	OHX	l5	306	7/7	0.82	0.20	136,136,136,136	0
87	OHX	m1	202	7/7	0.82	0.17	140,140,140,140	0
86	MG	1	3764	1/1	0.82	0.17	49,49,49,49	0
86	MG	1	3626	1/1	0.82	0.41	88,88,88,88	0
86	MG	5	3721	1/1	0.82	0.30	62,62,62,62	0
86	MG	1	3443	1/1	0.83	0.20	80,80,80,80	0
86	MG	1	3456	1/1	0.83	0.43	59,59,59,59	0
86	MG	5	3664	1/1	0.83	0.49	58,58,58,58	0
86	MG	1	3842	1/1	0.83	0.33	50,50,50,50	0
87	OHX	1	4202	7/7	0.83	0.21	125,125,125,125	0
87	OHX	1	4207	7/7	0.83	0.21	133,133,133,133	0
87	OHX	4	238	7/7	0.83	0.22	125,125,125,125	0
87	OHX	M7	206	7/7	0.83	0.29	103,103,103,103	0
86	MG	2	1950	1/1	0.83	0.42	80,80,80,80	0
87	OHX	6	2134	7/7	0.83	0.19	128,128,128,128	0
86	MG	1	3470	1/1	0.83	0.26	51,51,51,51	0
86	MG	5	3900	1/1	0.83	0.24	59,59,59,59	0
86	MG	5	3685	1/1	0.83	0.15	35,35,35,35	0
87	OHX	6	2185	7/7	0.83	0.19	137,137,137,137	0
86	MG	6	1940	1/1	0.83	0.38	82,82,82,82	0
86	MG	1	3557	1/1	0.83	0.36	37,37,37,37	0
86	MG	2	1923	1/1	0.83	0.38	59,59,59,59	0
87	OHX	6	2203	7/7	0.83	0.18	140,140,140,140	0
87	OHX	5	4116	7/7	0.83	0.23	118,118,118,118	0
86	MG	2	1947	1/1	0.83	0.25	61,61,61,61	0
86	MG	2	1961	1/1	0.83	0.29	55,55,55,55	0
86	MG	1	3483	1/1	0.83	0.29	51,51,51,51	0
86	MG	4	218	1/1	0.83	0.19	61,61,61,61	0
86	MG	o1	202	1/1	0.83	0.12	73,73,73,73	0
86	MG	2	1907	1/1	0.83	0.42	56,56,56,56	0
86	MG	2	2007	1/1	0.83	0.38	50,50,50,50	0
86	MG	5	3742	1/1	0.83	0.34	69,69,69,69	0
86	MG	M3	203	1/1	0.83	0.18	39,39,39,39	0
87	OHX	2	2176	7/7	0.83	0.18	152,152,152,152	0
86	MG	2	1932	1/1	0.83	0.42	55,55,55,55	0
86	MG	6	2027	1/1	0.83	0.21	105,105,105,105	0
86	MG	2	1965	1/1	0.83	0.29	62,62,62,62	0
86	MG	5	3575	1/1	0.83	0.43	39,39,39,39	0
86	MG	1	3667	1/1	0.83	0.39	75,75,75,75	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
86	MG	5	3595	1/1	0.83	0.27	40,40,40,40	0
87	OHX	1	4171	7/7	0.83	0.25	113,113,113,113	0
87	OHX	1	4174	7/7	0.83	0.17	149,149,149,149	0
86	MG	5	3794	1/1	0.83	0.15	55,55,55,55	0
87	OHX	5	4253	7/7	0.83	0.20	147,147,147,147	0
86	MG	2	1977	1/1	0.83	0.25	86,86,86,86	0
87	OHX	5	4256	7/7	0.83	0.20	123,123,123,123	0
87	OHX	7	225	7/7	0.83	0.16	138,138,138,138	0
86	MG	1	3769	1/1	0.83	0.28	56,56,56,56	0
86	MG	1	3770	1/1	0.83	0.32	60,60,60,60	0
87	OHX	1	4187	7/7	0.83	0.18	134,134,134,134	0
87	OHX	1	4189	7/7	0.83	0.23	124,124,124,124	0
86	MG	1	3439	1/1	0.83	0.32	40,40,40,40	0
86	MG	5	3652	1/1	0.83	0.41	71,71,71,71	0
86	MG	6	2043	1/1	0.83	0.30	71,71,71,71	0
87	OHX	1	4193	7/7	0.83	0.20	121,121,121,121	0
87	OHX	2	2163	7/7	0.84	0.16	163,163,163,163	0
87	OHX	6	2176	7/7	0.84	0.20	122,122,122,122	0
87	OHX	6	2182	7/7	0.84	0.17	137,137,137,137	0
86	MG	5	3411	1/1	0.84	0.29	38,38,38,38	0
87	OHX	6	2184	7/7	0.84	0.13	162,162,162,162	0
86	MG	6	1906	1/1	0.84	0.30	52,52,52,52	0
87	OHX	2	2166	7/7	0.84	0.14	167,167,167,167	0
86	MG	5	3640	1/1	0.84	0.26	39,39,39,39	0
86	MG	6	1975	1/1	0.84	0.23	62,62,62,62	0
87	OHX	6	2192	7/7	0.84	0.14	169,169,169,169	0
86	MG	5	3421	1/1	0.84	0.30	38,38,38,38	0
87	OHX	s1	303	7/7	0.84	0.16	155,155,155,155	0
87	OHX	1	4066	7/7	0.84	0.20	123,123,123,123	0
86	MG	6	1984	1/1	0.84	0.29	73,73,73,73	0
86	MG	1	3612	1/1	0.84	0.12	43,43,43,43	0
86	MG	2	1991	1/1	0.84	0.17	94,94,94,94	0
87	OHX	1	4149	7/7	0.84	0.17	144,144,144,144	0
86	MG	1	3522	1/1	0.84	0.25	76,76,76,76	0
86	MG	1	3543	1/1	0.84	0.33	35,35,35,35	0
87	OHX	5	4203	7/7	0.84	0.22	126,126,126,126	0
87	OHX	5	4204	7/7	0.84	0.17	134,134,134,134	0
87	OHX	5	4212	7/7	0.84	0.18	138,138,138,138	0
86	MG	5	3460	1/1	0.84	0.15	32,32,32,32	0
86	MG	1	3836	1/1	0.84	0.28	52,52,52,52	0
86	MG	5	3854	1/1	0.84	0.27	56,56,56,56	0
87	OHX	5	4231	7/7	0.84	0.23	124,124,124,124	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
87	OHX	5	4232	7/7	0.84	0.18	137,137,137,137	0
86	MG	1	3758	1/1	0.84	0.16	48,48,48,48	0
86	MG	M1	201	1/1	0.84	0.30	73,73,73,73	0
86	MG	5	3881	1/1	0.84	0.31	36,36,36,36	0
86	MG	5	3692	1/1	0.84	0.25	43,43,43,43	0
86	MG	1	3849	1/1	0.84	0.39	52,52,52,52	0
86	MG	1	3853	1/1	0.84	0.27	53,53,53,53	0
86	MG	5	3710	1/1	0.84	0.23	53,53,53,53	0
86	MG	1	3449	1/1	0.84	0.19	40,40,40,40	0
86	MG	6	1946	1/1	0.84	0.37	62,62,62,62	0
86	MG	5	3542	1/1	0.84	0.30	34,34,34,34	0
86	MG	6	1950	1/1	0.84	0.31	42,42,42,42	0
86	MG	6	1952	1/1	0.84	0.29	61,61,61,61	0
86	MG	1	3637	1/1	0.84	0.26	63,63,63,63	0
87	OHX	1	4205	7/7	0.84	0.19	132,132,132,132	0
86	MG	6	1902	1/1	0.84	0.25	49,49,49,49	0
87	OHX	4	235	7/7	0.84	0.16	142,142,142,142	0
86	MG	1	3610	1/1	0.84	0.37	57,57,57,57	0
86	MG	5	3765	1/1	0.84	0.25	75,75,75,75	0
87	OHX	M7	207	7/7	0.84	0.20	132,132,132,132	0
87	OHX	2	2138	7/7	0.84	0.14	157,157,157,157	0
86	MG	5	3607	1/1	0.84	0.22	53,53,53,53	0
86	MG	c7	202	1/1	0.84	0.32	72,72,72,72	0
86	MG	6	1980	1/1	0.85	0.34	65,65,65,65	0
86	MG	1	3640	1/1	0.85	0.26	59,59,59,59	0
87	OHX	2	2181	7/7	0.85	0.18	156,156,156,156	0
86	MG	1	3586	1/1	0.85	0.34	50,50,50,50	0
86	MG	1	3593	1/1	0.85	0.36	50,50,50,50	0
86	MG	6	2006	1/1	0.85	0.17	58,58,58,58	0
87	OHX	6	2199	7/7	0.85	0.17	145,145,145,145	0
87	OHX	6	2202	7/7	0.85	0.20	141,141,141,141	0
86	MG	6	1917	1/1	0.85	0.28	53,53,53,53	0
86	MG	1	3656	1/1	0.85	0.30	45,45,45,45	0
87	OHX	1	4151	7/7	0.85	0.19	130,130,130,130	0
86	MG	6	1923	1/1	0.85	0.28	69,69,69,69	0
87	OHX	1	4169	7/7	0.85	0.19	120,120,120,120	0
86	MG	5	3822	1/1	0.85	0.22	43,43,43,43	0
86	MG	5	3847	1/1	0.85	0.13	51,51,51,51	0
87	OHX	1	4175	7/7	0.85	0.16	158,158,158,158	0
86	MG	5	3853	1/1	0.85	0.35	53,53,53,53	0
86	MG	2	1936	1/1	0.85	0.41	49,49,49,49	0
86	MG	2	1921	1/1	0.85	0.39	47,47,47,47	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
86	MG	4	203	1/1	0.85	0.41	54,54,54,54	0
87	OHX	5	4214	7/7	0.85	0.19	138,138,138,138	0
86	MG	2	1901	1/1	0.85	0.38	75,75,75,75	0
87	OHX	5	4221	7/7	0.85	0.23	119,119,119,119	0
87	OHX	5	4226	7/7	0.85	0.19	130,130,130,130	0
86	MG	5	3705	1/1	0.85	0.27	67,67,67,67	0
86	MG	5	3708	1/1	0.85	0.24	50,50,50,50	0
86	MG	1	3614	1/1	0.85	0.33	51,51,51,51	0
86	MG	6	1939	1/1	0.85	0.39	59,59,59,59	0
86	MG	5	3546	1/1	0.85	0.49	49,49,49,49	0
87	OHX	5	4235	7/7	0.85	0.15	153,153,153,153	0
86	MG	2	1908	1/1	0.85	0.27	70,70,70,70	0
86	MG	6	2041	1/1	0.85	0.29	52,52,52,52	0
86	MG	5	3735	1/1	0.85	0.12	47,47,47,47	0
86	MG	1	3500	1/1	0.85	0.44	73,73,73,73	0
87	OHX	1	4201	7/7	0.85	0.14	157,157,157,157	0
86	MG	2	1962	1/1	0.85	0.46	72,72,72,72	0
86	MG	8	205	1/1	0.85	0.20	68,68,68,68	0
86	MG	2	1955	1/1	0.85	0.23	62,62,62,62	0
86	MG	5	3603	1/1	0.85	0.10	61,61,61,61	0
86	MG	1	3700	1/1	0.85	0.28	42,42,42,42	0
87	OHX	L4	402	7/7	0.85	0.17	127,127,127,127	0
87	OHX	2	2135	7/7	0.85	0.18	131,131,131,131	0
86	MG	2	2006	1/1	0.85	0.48	71,71,71,71	0
86	MG	1	3712	1/1	0.85	0.28	60,60,60,60	0
86	MG	1	3579	1/1	0.85	0.30	27,27,27,27	0
86	MG	5	3781	1/1	0.85	0.20	58,58,58,58	0
87	OHX	6	2154	7/7	0.85	0.15	160,160,160,160	0
86	MG	6	1970	1/1	0.85	0.24	60,60,60,60	0
86	MG	1	3639	1/1	0.85	0.22	53,53,53,53	0
86	MG	5	3789	1/1	0.85	0.14	37,37,37,37	0
86	MG	5	3423	1/1	0.85	0.26	59,59,59,59	0
86	MG	6	1967	1/1	0.86	0.22	72,72,72,72	0
86	MG	1	3845	1/1	0.86	0.27	49,49,49,49	0
86	MG	5	3625	1/1	0.86	0.28	37,37,37,37	0
87	OHX	2	2140	7/7	0.86	0.17	156,156,156,156	0
87	OHX	2	2146	7/7	0.86	0.17	134,134,134,134	0
87	OHX	2	2150	7/7	0.86	0.13	159,159,159,159	0
87	OHX	6	2104	7/7	0.86	0.18	124,124,124,124	0
87	OHX	6	2124	7/7	0.86	0.27	107,107,107,107	0
86	MG	1	3649	1/1	0.86	0.25	46,46,46,46	0
86	MG	1	3693	1/1	0.86	0.34	44,44,44,44	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
87	OHX	2	2162	7/7	0.86	0.15	149,149,149,149	0
86	MG	5	3788	1/1	0.86	0.28	31,31,31,31	0
86	MG	6	1977	1/1	0.86	0.29	46,46,46,46	0
87	OHX	6	2179	7/7	0.86	0.21	128,128,128,128	0
86	MG	1	3609	1/1	0.86	0.34	72,72,72,72	0
86	MG	1	3859	1/1	0.86	0.17	41,41,41,41	0
86	MG	6	1990	1/1	0.86	0.33	70,70,70,70	0
86	MG	5	3656	1/1	0.86	0.20	53,53,53,53	0
86	MG	2	1905	1/1	0.86	0.40	63,63,63,63	0
87	OHX	6	2188	7/7	0.86	0.17	135,135,135,135	0
86	MG	1	3653	1/1	0.86	0.24	66,66,66,66	0
86	MG	3	206	1/1	0.86	0.36	36,36,36,36	0
87	OHX	1	4076	7/7	0.86	0.28	103,103,103,103	0
87	OHX	6	2195	7/7	0.86	0.13	167,167,167,167	0
87	OHX	1	4084	7/7	0.86	0.20	113,113,113,113	0
87	OHX	1	4099	7/7	0.86	0.14	136,136,136,136	0
87	OHX	1	4104	7/7	0.86	0.14	153,153,153,153	0
87	OHX	1	4129	7/7	0.86	0.23	117,117,117,117	0
87	OHX	c3	201	7/7	0.86	0.15	148,148,148,148	0
87	OHX	d4	202	7/7	0.86	0.13	151,151,151,151	0
86	MG	2	2014	1/1	0.86	0.38	66,66,66,66	0
87	OHX	1	4133	7/7	0.86	0.15	151,151,151,151	0
87	OHX	1	4136	7/7	0.86	0.20	115,115,115,115	0
87	OHX	5	4163	7/7	0.86	0.16	135,135,135,135	0
87	OHX	1	4143	7/7	0.86	0.25	109,109,109,109	0
86	MG	5	3464	1/1	0.86	0.12	36,36,36,36	0
86	MG	1	3709	1/1	0.86	0.11	49,49,49,49	0
87	OHX	5	4187	7/7	0.86	0.18	129,129,129,129	0
87	OHX	5	4195	7/7	0.86	0.23	112,112,112,112	0
86	MG	2	1904	1/1	0.86	0.38	70,70,70,70	0
86	MG	5	3852	1/1	0.86	0.11	50,50,50,50	0
87	OHX	1	4152	7/7	0.86	0.17	137,137,137,137	0
86	MG	6	2024	1/1	0.86	0.21	76,76,76,76	0
87	OHX	5	4213	7/7	0.86	0.18	131,131,131,131	0
87	OHX	1	4165	7/7	0.86	0.15	149,149,149,149	0
86	MG	5	3481	1/1	0.86	0.27	40,40,40,40	0
87	OHX	5	4218	7/7	0.86	0.22	110,110,110,110	0
87	OHX	1	4170	7/7	0.86	0.10	204,204,204,204	0
86	MG	4	202	1/1	0.86	0.39	56,56,56,56	0
87	OHX	1	4173	7/7	0.86	0.23	110,110,110,110	0
86	MG	5	3487	1/1	0.86	0.30	50,50,50,50	0
86	MG	5	3871	1/1	0.86	0.14	48,48,48,48	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
86	MG	5	3873	1/1	0.86	0.28	25,25,25,25	0
86	MG	1	3774	1/1	0.86	0.12	52,52,52,52	0
87	OHX	1	4181	7/7	0.86	0.24	119,119,119,119	0
86	MG	1	3784	1/1	0.86	0.14	55,55,55,55	0
87	OHX	1	4184	7/7	0.86	0.19	130,130,130,130	0
86	MG	1	3793	1/1	0.86	0.22	85,85,85,85	0
86	MG	5	3892	1/1	0.86	0.32	59,59,59,59	0
86	MG	5	3538	1/1	0.86	0.32	38,38,38,38	0
87	OHX	5	4244	7/7	0.86	0.22	129,129,129,129	0
86	MG	5	3896	1/1	0.86	0.09	73,73,73,73	0
86	MG	4	219	1/1	0.86	0.17	49,49,49,49	0
86	MG	6	1941	1/1	0.86	0.30	49,49,49,49	0
86	MG	1	3616	1/1	0.86	0.19	39,39,39,39	0
86	MG	5	3557	1/1	0.86	0.31	47,47,47,47	0
86	MG	1	3806	1/1	0.86	0.23	57,57,57,57	0
86	MG	1	3499	1/1	0.86	0.26	33,33,33,33	0
87	OHX	5	4257	7/7	0.86	0.16	148,148,148,148	0
86	MG	5	3589	1/1	0.86	0.27	66,66,66,66	0
86	MG	1	3623	1/1	0.86	0.12	40,40,40,40	0
86	MG	1	3737	1/1	0.86	0.22	50,50,50,50	0
86	MG	1	3641	1/1	0.86	0.13	64,64,64,64	0
86	MG	n8	203	1/1	0.86	0.10	36,36,36,36	0
87	OHX	1	4208	7/7	0.86	0.19	127,127,127,127	0
87	OHX	1	4209	7/7	0.86	0.19	133,133,133,133	0
87	OHX	1	4212	7/7	0.86	0.22	119,119,119,119	0
87	OHX	1	4216	7/7	0.86	0.20	128,128,128,128	0
87	OHX	1	4213	7/7	0.87	0.22	121,121,121,121	0
86	MG	6	1938	1/1	0.87	0.25	40,40,40,40	0
86	MG	3	214	1/1	0.87	0.25	55,55,55,55	0
87	OHX	4	237	7/7	0.87	0.18	127,127,127,127	0
86	MG	n6	201	1/1	0.87	0.24	59,59,59,59	0
86	MG	2	1974	1/1	0.87	0.29	65,65,65,65	0
86	MG	1	3485	1/1	0.87	0.29	43,43,43,43	0
87	OHX	2	2093	7/7	0.87	0.15	141,141,141,141	0
87	OHX	2	2100	7/7	0.87	0.17	142,142,142,142	0
87	OHX	2	2120	7/7	0.87	0.17	132,132,132,132	0
86	MG	5	3426	1/1	0.87	0.24	38,38,38,38	0
87	OHX	2	2137	7/7	0.87	0.19	125,125,125,125	0
86	MG	5	3701	1/1	0.87	0.15	37,37,37,37	0
86	MG	5	3704	1/1	0.87	0.15	59,59,59,59	0
87	OHX	6	2165	7/7	0.87	0.12	172,172,172,172	0
86	MG	1	3777	1/1	0.87	0.14	62,62,62,62	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
87	OHX	6	2171	7/7	0.87	0.17	143,143,143,143	0
87	OHX	6	2172	7/7	0.87	0.22	123,123,123,123	0
87	OHX	6	2173	7/7	0.87	0.15	149,149,149,149	0
86	MG	4	211	1/1	0.87	0.23	53,53,53,53	0
87	OHX	6	2177	7/7	0.87	0.16	133,133,133,133	0
87	OHX	6	2178	7/7	0.87	0.15	148,148,148,148	0
86	MG	6	1951	1/1	0.87	0.39	63,63,63,63	0
86	MG	4	214	1/1	0.87	0.18	62,62,62,62	0
86	MG	4	217	1/1	0.87	0.27	67,67,67,67	0
86	MG	2	1917	1/1	0.87	0.38	56,56,56,56	0
86	MG	6	1964	1/1	0.87	0.20	56,56,56,56	0
86	MG	1	3468	1/1	0.87	0.24	46,46,46,46	0
86	MG	1	3537	1/1	0.87	0.41	48,48,48,48	0
87	OHX	2	2173	7/7	0.87	0.18	146,146,146,146	0
87	OHX	2	2175	7/7	0.87	0.15	151,151,151,151	0
86	MG	4	223	1/1	0.87	0.18	67,67,67,67	0
87	OHX	6	2194	7/7	0.87	0.14	156,156,156,156	0
86	MG	L5	301	1/1	0.87	0.29	62,62,62,62	0
87	OHX	6	2198	7/7	0.87	0.17	134,134,134,134	0
86	MG	5	3749	1/1	0.87	0.24	57,57,57,57	0
86	MG	6	1971	1/1	0.87	0.28	67,67,67,67	0
86	MG	1	3498	1/1	0.87	0.26	43,43,43,43	0
86	MG	5	3766	1/1	0.87	0.14	44,44,44,44	0
86	MG	1	3646	1/1	0.87	0.21	67,67,67,67	0
86	MG	1	3544	1/1	0.87	0.30	37,37,37,37	0
86	MG	5	3500	1/1	0.87	0.28	38,38,38,38	0
86	MG	5	3503	1/1	0.87	0.26	42,42,42,42	0
86	MG	5	3505	1/1	0.87	0.27	49,49,49,49	0
86	MG	M5	302	1/1	0.87	0.34	54,54,54,54	0
86	MG	M7	204	1/1	0.87	0.16	35,35,35,35	0
87	OHX	1	4142	7/7	0.87	0.18	131,131,131,131	0
87	OHX	5	4179	7/7	0.87	0.15	159,159,159,159	0
86	MG	M9	201	1/1	0.87	0.38	66,66,66,66	0
86	MG	5	3543	1/1	0.87	0.28	30,30,30,30	0
87	OHX	5	4191	7/7	0.87	0.17	128,128,128,128	0
87	OHX	5	4192	7/7	0.87	0.18	118,118,118,118	0
86	MG	5	3544	1/1	0.87	0.27	66,66,66,66	0
87	OHX	1	4147	7/7	0.87	0.14	132,132,132,132	0
86	MG	2	1909	1/1	0.87	0.35	70,70,70,70	0
87	OHX	1	4150	7/7	0.87	0.16	141,141,141,141	0
87	OHX	5	4210	7/7	0.87	0.15	136,136,136,136	0
87	OHX	5	4211	7/7	0.87	0.22	123,123,123,123	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
86	MG	6	2000	1/1	0.87	0.13	94,94,94,94	0
86	MG	6	2003	1/1	0.87	0.19	96,96,96,96	0
87	OHX	1	4157	7/7	0.87	0.17	136,136,136,136	0
86	MG	N8	201	1/1	0.87	0.13	27,27,27,27	0
86	MG	6	2009	1/1	0.87	0.14	51,51,51,51	0
86	MG	1	3839	1/1	0.87	0.37	47,47,47,47	0
86	MG	6	2016	1/1	0.87	0.37	49,49,49,49	0
87	OHX	5	4227	7/7	0.87	0.12	165,165,165,165	0
86	MG	1	3442	1/1	0.87	0.29	25,25,25,25	0
87	OHX	1	4172	7/7	0.87	0.19	113,113,113,113	0
86	MG	5	3828	1/1	0.87	0.18	91,91,91,91	0
86	MG	1	3617	1/1	0.87	0.17	35,35,35,35	0
86	MG	2	1997	1/1	0.87	0.12	77,77,77,77	0
86	MG	1	3739	1/1	0.87	0.23	61,61,61,61	0
86	MG	5	3622	1/1	0.87	0.20	41,41,41,41	0
87	OHX	5	4237	7/7	0.87	0.12	173,173,173,173	0
86	MG	2	1992	1/1	0.87	0.16	56,56,56,56	0
86	MG	5	3632	1/1	0.87	0.40	75,75,75,75	0
86	MG	5	3869	1/1	0.87	0.33	54,54,54,54	0
86	MG	1	3564	1/1	0.87	0.28	46,46,46,46	0
86	MG	6	1915	1/1	0.87	0.35	53,53,53,53	0
86	MG	5	3637	1/1	0.87	0.29	48,48,48,48	0
86	MG	5	3638	1/1	0.87	0.20	53,53,53,53	0
86	MG	5	3889	1/1	0.87	0.31	56,56,56,56	0
86	MG	1	3863	1/1	0.87	0.11	54,54,54,54	0
87	OHX	5	4252	7/7	0.87	0.18	133,133,133,133	0
86	MG	1	3627	1/1	0.87	0.20	33,33,33,33	0
86	MG	6	1922	1/1	0.87	0.34	53,53,53,53	0
86	MG	1	3577	1/1	0.87	0.26	25,25,25,25	0
86	MG	5	3655	1/1	0.87	0.25	66,66,66,66	0
87	OHX	7	223	7/7	0.87	0.16	141,141,141,141	0
86	MG	3	203	1/1	0.87	0.17	88,88,88,88	0
86	MG	6	1926	1/1	0.87	0.29	51,51,51,51	0
86	MG	1	3634	1/1	0.87	0.16	61,61,61,61	0
86	MG	1	3635	1/1	0.87	0.18	56,56,56,56	0
87	OHX	1	4206	7/7	0.87	0.18	131,131,131,131	0
86	MG	1	3768	1/1	0.87	0.15	54,54,54,54	0
86	MG	8	201	1/1	0.87	0.29	39,39,39,39	0
87	OHX	m7	206	7/7	0.87	0.20	120,120,120,120	0
86	MG	sM	401	1/1	0.87	0.15	42,42,42,42	0
86	MG	1	3688	1/1	0.87	0.22	50,50,50,50	0
86	MG	l2	302	1/1	0.88	0.17	37,37,37,37	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
86	MG	N0	201	1/1	0.88	0.29	50,50,50,50	0
86	MG	n3	201	1/1	0.88	0.32	26,26,26,26	0
86	MG	N3	202	1/1	0.88	0.25	60,60,60,60	0
86	MG	n8	201	1/1	0.88	0.12	32,32,32,32	0
86	MG	5	3472	1/1	0.88	0.11	34,34,34,34	0
87	OHX	3	224	7/7	0.88	0.13	154,154,154,154	0
87	OHX	4	234	7/7	0.88	0.19	113,113,113,113	0
86	MG	n9	101	1/1	0.88	0.08	32,32,32,32	0
87	OHX	4	236	7/7	0.88	0.19	134,134,134,134	0
86	MG	6	1978	1/1	0.88	0.17	71,71,71,71	0
86	MG	o4	201	1/1	0.88	0.26	64,64,64,64	0
86	MG	q1	101	1/1	0.88	0.31	44,44,44,44	0
86	MG	N3	203	1/1	0.88	0.29	53,53,53,53	0
86	MG	2	2183	1/1	0.88	0.20	84,84,84,84	0
87	OHX	2	2116	7/7	0.88	0.16	133,133,133,133	0
86	MG	6	1986	1/1	0.88	0.13	65,65,65,65	0
87	OHX	6	2114	7/7	0.88	0.16	130,130,130,130	0
86	MG	1	3850	1/1	0.88	0.21	43,43,43,43	0
87	OHX	2	2136	7/7	0.88	0.18	129,129,129,129	0
87	OHX	6	2142	7/7	0.88	0.18	126,126,126,126	0
86	MG	5	3491	1/1	0.88	0.11	49,49,49,49	0
86	MG	1	3556	1/1	0.88	0.37	31,31,31,31	0
87	OHX	6	2163	7/7	0.88	0.16	137,137,137,137	0
86	MG	5	3498	1/1	0.88	0.22	43,43,43,43	0
87	OHX	6	2167	7/7	0.88	0.15	146,146,146,146	0
87	OHX	2	2144	7/7	0.88	0.20	124,124,124,124	0
86	MG	1	3659	1/1	0.88	0.31	28,28,28,28	0
87	OHX	2	2148	7/7	0.88	0.12	167,167,167,167	0
87	OHX	2	2149	7/7	0.88	0.20	115,115,115,115	0
86	MG	5	3501	1/1	0.88	0.26	27,27,27,27	0
87	OHX	2	2151	7/7	0.88	0.13	159,159,159,159	0
87	OHX	2	2152	7/7	0.88	0.12	180,180,180,180	0
87	OHX	2	2157	7/7	0.88	0.10	221,221,221,221	0
87	OHX	2	2158	7/7	0.88	0.20	114,114,114,114	0
87	OHX	2	2159	7/7	0.88	0.09	276,276,276,276	0
86	MG	5	3741	1/1	0.88	0.18	42,42,42,42	0
86	MG	5	3502	1/1	0.88	0.13	43,43,43,43	0
86	MG	5	3748	1/1	0.88	0.25	41,41,41,41	0
86	MG	1	3664	1/1	0.88	0.09	51,51,51,51	0
86	MG	1	3862	1/1	0.88	0.16	58,58,58,58	0
86	MG	5	3758	1/1	0.88	0.09	47,47,47,47	0
86	MG	5	3520	1/1	0.88	0.30	35,35,35,35	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
87	OHX	2	2172	7/7	0.88	0.18	145,145,145,145	0
86	MG	6	2005	1/1	0.88	0.23	54,54,54,54	0
87	OHX	2	2174	7/7	0.88	0.16	138,138,138,138	0
86	MG	1	3426	1/1	0.88	0.16	54,54,54,54	0
86	MG	1	3624	1/1	0.88	0.19	49,49,49,49	0
86	MG	1	3558	1/1	0.88	0.10	51,51,51,51	0
86	MG	6	1914	1/1	0.88	0.32	71,71,71,71	0
87	OHX	s8	303	7/7	0.88	0.14	150,150,150,150	0
87	OHX	2	2180	7/7	0.88	0.19	140,140,140,140	0
86	MG	6	2017	1/1	0.88	0.14	51,51,51,51	0
86	MG	1	3516	1/1	0.88	0.36	37,37,37,37	0
86	MG	6	1916	1/1	0.88	0.34	62,62,62,62	0
87	OHX	5	4154	7/7	0.88	0.19	107,107,107,107	0
87	OHX	5	4158	7/7	0.88	0.21	118,118,118,118	0
86	MG	5	3570	1/1	0.88	0.30	33,33,33,33	0
87	OHX	1	4096	7/7	0.88	0.14	145,145,145,145	0
86	MG	1	3565	1/1	0.88	0.28	42,42,42,42	0
87	OHX	5	4171	7/7	0.88	0.17	140,140,140,140	0
86	MG	1	3572	1/1	0.88	0.37	42,42,42,42	0
87	OHX	1	4116	7/7	0.88	0.23	110,110,110,110	0
87	OHX	1	4119	7/7	0.88	0.17	124,124,124,124	0
87	OHX	5	4184	7/7	0.88	0.17	131,131,131,131	0
87	OHX	1	4124	7/7	0.88	0.18	129,129,129,129	0
87	OHX	5	4189	7/7	0.88	0.16	134,134,134,134	0
87	OHX	5	4190	7/7	0.88	0.15	139,139,139,139	0
87	OHX	1	4125	7/7	0.88	0.17	138,138,138,138	0
86	MG	1	3518	1/1	0.88	0.31	32,32,32,32	0
86	MG	5	3590	1/1	0.88	0.31	27,27,27,27	0
86	MG	5	3801	1/1	0.88	0.17	54,54,54,54	0
87	OHX	5	4200	7/7	0.88	0.20	120,120,120,120	0
87	OHX	1	4135	7/7	0.88	0.15	149,149,149,149	0
86	MG	1	3691	1/1	0.88	0.16	36,36,36,36	0
87	OHX	1	4137	7/7	0.88	0.18	131,131,131,131	0
86	MG	6	2031	1/1	0.88	0.32	65,65,65,65	0
86	MG	2	1922	1/1	0.88	0.34	67,67,67,67	0
86	MG	5	3814	1/1	0.88	0.13	72,72,72,72	0
86	MG	4	201	1/1	0.88	0.36	50,50,50,50	0
86	MG	1	3783	1/1	0.88	0.14	44,44,44,44	0
87	OHX	5	4217	7/7	0.88	0.16	140,140,140,140	0
86	MG	5	3619	1/1	0.88	0.21	43,43,43,43	0
87	OHX	5	4220	7/7	0.88	0.16	147,147,147,147	0
86	MG	2	1944	1/1	0.88	0.28	62,62,62,62	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
86	MG	1	3785	1/1	0.88	0.20	45,45,45,45	0
86	MG	1	3401	1/1	0.88	0.25	45,45,45,45	0
87	OHX	1	4154	7/7	0.88	0.14	141,141,141,141	0
86	MG	4	212	1/1	0.88	0.29	55,55,55,55	0
87	OHX	5	4230	7/7	0.88	0.15	137,137,137,137	0
86	MG	1	3490	1/1	0.88	0.27	33,33,33,33	0
86	MG	5	3860	1/1	0.88	0.18	62,62,62,62	0
86	MG	4	215	1/1	0.88	0.11	53,53,53,53	0
86	MG	4	216	1/1	0.88	0.24	45,45,45,45	0
86	MG	6	1943	1/1	0.88	0.36	40,40,40,40	0
86	MG	5	3403	1/1	0.88	0.34	52,52,52,52	0
86	MG	1	3799	1/1	0.88	0.07	30,30,30,30	0
86	MG	5	3875	1/1	0.88	0.37	37,37,37,37	0
86	MG	1	3599	1/1	0.88	0.33	40,40,40,40	0
86	MG	1	3402	1/1	0.88	0.44	57,57,57,57	0
87	OHX	1	4178	7/7	0.88	0.12	167,167,167,167	0
86	MG	1	3818	1/1	0.88	0.19	51,51,51,51	0
87	OHX	5	4246	7/7	0.88	0.14	138,138,138,138	0
86	MG	1	3645	1/1	0.88	0.22	46,46,46,46	0
86	MG	6	1960	1/1	0.88	0.33	42,42,42,42	0
86	MG	5	3893	1/1	0.88	0.32	46,46,46,46	0
86	MG	5	3662	1/1	0.88	0.25	29,29,29,29	0
86	MG	1	3831	1/1	0.88	0.25	49,49,49,49	0
87	OHX	5	4254	7/7	0.88	0.19	138,138,138,138	0
86	MG	5	3898	1/1	0.88	0.20	111,111,111,111	0
86	MG	5	3666	1/1	0.88	0.27	43,43,43,43	0
86	MG	5	3668	1/1	0.88	0.19	30,30,30,30	0
86	MG	1	3832	1/1	0.88	0.31	24,24,24,24	0
86	MG	1	3835	1/1	0.88	0.27	23,23,23,23	0
86	MG	7	211	1/1	0.88	0.12	67,67,67,67	0
87	OHX	1	4195	7/7	0.88	0.17	131,131,131,131	0
86	MG	1	3404	1/1	0.88	0.28	62,62,62,62	0
86	MG	5	3684	1/1	0.88	0.10	31,31,31,31	0
86	MG	2	1945	1/1	0.88	0.23	60,60,60,60	0
86	MG	5	3459	1/1	0.88	0.24	30,30,30,30	0
86	MG	1	3407	1/1	0.88	0.22	40,40,40,40	0
87	OHX	m8	201	7/7	0.88	0.18	129,129,129,129	0
86	MG	2	1939	1/1	0.88	0.37	69,69,69,69	0
86	MG	8	210	1/1	0.88	0.36	53,53,53,53	0
86	MG	6	2019	1/1	0.89	0.20	88,88,88,88	0
87	OHX	L3	404	7/7	0.89	0.14	154,154,154,154	0
86	MG	5	3537	1/1	0.89	0.36	45,45,45,45	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
86	MG	6	1929	1/1	0.89	0.33	54,54,54,54	0
87	OHX	2	2154	7/7	0.89	0.13	162,162,162,162	0
87	OHX	2	2155	7/7	0.89	0.13	145,145,145,145	0
87	OHX	2	2156	7/7	0.89	0.16	141,141,141,141	0
86	MG	6	1930	1/1	0.89	0.19	55,55,55,55	0
86	MG	6	1932	1/1	0.89	0.21	47,47,47,47	0
86	MG	S2	302	1/1	0.89	0.46	69,69,69,69	0
86	MG	2	1919	1/1	0.89	0.44	70,70,70,70	0
86	MG	5	3786	1/1	0.89	0.15	78,78,78,78	0
86	MG	5	3550	1/1	0.89	0.39	41,41,41,41	0
86	MG	5	3552	1/1	0.89	0.31	32,32,32,32	0
86	MG	5	3553	1/1	0.89	0.19	44,44,44,44	0
86	MG	2	1970	1/1	0.89	0.22	72,72,72,72	0
86	MG	1	3821	1/1	0.89	0.14	44,44,44,44	0
87	OHX	6	2170	7/7	0.89	0.15	139,139,139,139	0
86	MG	5	3559	1/1	0.89	0.18	48,48,48,48	0
86	MG	5	3569	1/1	0.89	0.29	28,28,28,28	0
86	MG	1	3826	1/1	0.89	0.19	66,66,66,66	0
86	MG	1	3458	1/1	0.89	0.20	40,40,40,40	0
86	MG	5	3810	1/1	0.89	0.17	41,41,41,41	0
86	MG	5	3573	1/1	0.89	0.29	39,39,39,39	0
86	MG	2	1957	1/1	0.89	0.30	72,72,72,72	0
87	OHX	6	2180	7/7	0.89	0.20	132,132,132,132	0
86	MG	5	3581	1/1	0.89	0.25	38,38,38,38	0
86	MG	5	3583	1/1	0.89	0.31	36,36,36,36	0
87	OHX	S8	302	7/7	0.89	0.12	154,154,154,154	0
87	OHX	1	4031	7/7	0.89	0.18	108,108,108,108	0
87	OHX	1	4039	7/7	0.89	0.17	119,119,119,119	0
87	OHX	1	4065	7/7	0.89	0.14	140,140,140,140	0
86	MG	6	2039	1/1	0.89	0.38	70,70,70,70	0
87	OHX	1	4073	7/7	0.89	0.19	114,114,114,114	0
86	MG	1	3595	1/1	0.89	0.32	30,30,30,30	0
87	OHX	6	2193	7/7	0.89	0.13	173,173,173,173	0
86	MG	5	3834	1/1	0.89	0.23	28,28,28,28	0
87	OHX	1	4093	7/7	0.89	0.15	129,129,129,129	0
86	MG	5	3840	1/1	0.89	0.14	39,39,39,39	0
86	MG	2	2012	1/1	0.89	0.36	65,65,65,65	0
86	MG	5	3849	1/1	0.89	0.18	51,51,51,51	0
87	OHX	1	4113	7/7	0.89	0.15	126,126,126,126	0
87	OHX	1	4115	7/7	0.89	0.17	131,131,131,131	0
86	MG	1	3838	1/1	0.89	0.28	45,45,45,45	0
86	MG	2	1980	1/1	0.89	0.36	67,67,67,67	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
86	MG	s8	301	1/1	0.89	0.18	51,51,51,51	0
87	OHX	d9	102	7/7	0.89	0.14	153,153,153,153	0
87	OHX	5	4103	7/7	0.89	0.14	142,142,142,142	0
87	OHX	5	4106	7/7	0.89	0.19	114,114,114,114	0
86	MG	c1	202	1/1	0.89	0.31	59,59,59,59	0
87	OHX	5	4125	7/7	0.89	0.17	119,119,119,119	0
87	OHX	5	4135	7/7	0.89	0.17	121,121,121,121	0
87	OHX	5	4146	7/7	0.89	0.22	121,121,121,121	0
87	OHX	5	4147	7/7	0.89	0.14	135,135,135,135	0
87	OHX	5	4148	7/7	0.89	0.19	122,122,122,122	0
86	MG	1	3841	1/1	0.89	0.28	36,36,36,36	0
86	MG	2	1913	1/1	0.89	0.32	65,65,65,65	0
87	OHX	5	4156	7/7	0.89	0.17	124,124,124,124	0
86	MG	1	3532	1/1	0.89	0.26	26,26,26,26	0
87	OHX	1	4134	7/7	0.89	0.15	144,144,144,144	0
86	MG	1	3658	1/1	0.89	0.24	39,39,39,39	0
87	OHX	5	4165	7/7	0.89	0.16	131,131,131,131	0
86	MG	5	3409	1/1	0.89	0.30	43,43,43,43	0
87	OHX	5	4168	7/7	0.89	0.17	118,118,118,118	0
86	MG	6	1961	1/1	0.89	0.32	73,73,73,73	0
87	OHX	1	4141	7/7	0.89	0.19	122,122,122,122	0
87	OHX	5	4176	7/7	0.89	0.16	127,127,127,127	0
86	MG	5	3412	1/1	0.89	0.12	36,36,36,36	0
86	MG	5	3414	1/1	0.89	0.17	50,50,50,50	0
86	MG	1	3410	1/1	0.89	0.23	46,46,46,46	0
87	OHX	5	4186	7/7	0.89	0.21	108,108,108,108	0
86	MG	1	3541	1/1	0.89	0.25	61,61,61,61	0
86	MG	2	1983	1/1	0.89	0.18	66,66,66,66	0
86	MG	2	1973	1/1	0.89	0.28	75,75,75,75	0
86	MG	5	3425	1/1	0.89	0.15	42,42,42,42	0
86	MG	5	3895	1/1	0.89	0.23	22,22,22,22	0
86	MG	1	3545	1/1	0.89	0.16	35,35,35,35	0
87	OHX	1	4153	7/7	0.89	0.15	135,135,135,135	0
86	MG	5	3897	1/1	0.89	0.29	61,61,61,61	0
87	OHX	5	4201	7/7	0.89	0.19	113,113,113,113	0
86	MG	1	3424	1/1	0.89	0.23	45,45,45,45	0
87	OHX	1	4162	7/7	0.89	0.15	133,133,133,133	0
87	OHX	5	4205	7/7	0.89	0.20	116,116,116,116	0
86	MG	5	3431	1/1	0.89	0.12	34,34,34,34	0
86	MG	5	3432	1/1	0.89	0.27	41,41,41,41	0
87	OHX	1	4167	7/7	0.89	0.14	147,147,147,147	0
87	OHX	1	4168	7/7	0.89	0.13	150,150,150,150	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
86	MG	7	203	1/1	0.89	0.30	52,52,52,52	0
86	MG	2	1941	1/1	0.89	0.24	65,65,65,65	0
86	MG	5	3437	1/1	0.89	0.36	60,60,60,60	0
86	MG	1	3865	1/1	0.89	0.26	42,42,42,42	0
87	OHX	5	4219	7/7	0.89	0.17	126,126,126,126	0
86	MG	1	3867	1/1	0.89	0.27	63,63,63,63	0
86	MG	5	3453	1/1	0.89	0.18	38,38,38,38	0
87	OHX	5	4225	7/7	0.89	0.16	131,131,131,131	0
86	MG	5	3454	1/1	0.89	0.16	44,44,44,44	0
86	MG	1	3772	1/1	0.89	0.23	31,31,31,31	0
86	MG	1	3686	1/1	0.89	0.17	41,41,41,41	0
86	MG	8	206	1/1	0.89	0.22	51,51,51,51	0
86	MG	6	1983	1/1	0.89	0.15	78,78,78,78	0
86	MG	1	3493	1/1	0.89	0.33	71,71,71,71	0
86	MG	6	1910	1/1	0.89	0.24	49,49,49,49	0
86	MG	5	3697	1/1	0.89	0.26	72,72,72,72	0
87	OHX	1	4186	7/7	0.89	0.20	105,105,105,105	0
86	MG	17	301	1/1	0.89	0.24	42,42,42,42	0
87	OHX	1	4188	7/7	0.89	0.15	140,140,140,140	0
86	MG	m5	304	1/1	0.89	0.20	93,93,93,93	0
86	MG	6	1987	1/1	0.89	0.11	45,45,45,45	0
87	OHX	5	4240	7/7	0.89	0.12	159,159,159,159	0
86	MG	1	3779	1/1	0.89	0.22	70,70,70,70	0
86	MG	5	3475	1/1	0.89	0.23	76,76,76,76	0
86	MG	6	1993	1/1	0.89	0.31	55,55,55,55	0
86	MG	5	3480	1/1	0.89	0.26	64,64,64,64	0
86	MG	1	3437	1/1	0.89	0.24	33,33,33,33	0
86	MG	3	211	1/1	0.89	0.12	75,75,75,75	0
86	MG	1	3495	1/1	0.89	0.20	41,41,41,41	0
86	MG	2	1914	1/1	0.89	0.37	67,67,67,67	0
86	MG	5	3728	1/1	0.89	0.27	36,36,36,36	0
86	MG	6	2004	1/1	0.89	0.41	69,69,69,69	0
87	OHX	1	4204	7/7	0.89	0.19	120,120,120,120	0
86	MG	6	1918	1/1	0.89	0.34	67,67,67,67	0
87	OHX	2	2129	7/7	0.89	0.14	148,148,148,148	0
87	OHX	2	2134	7/7	0.89	0.13	145,145,145,145	0
87	OHX	5	4258	7/7	0.89	0.16	131,131,131,131	0
87	OHX	5	4259	7/7	0.89	0.13	153,153,153,153	0
86	MG	6	1919	1/1	0.89	0.30	44,44,44,44	0
86	MG	6	2007	1/1	0.89	0.30	55,55,55,55	0
87	OHX	8	222	7/7	0.89	0.17	133,133,133,133	0
86	MG	1	3694	1/1	0.89	0.10	45,45,45,45	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
86	MG	2	2004	1/1	0.89	0.21	61,61,61,61	0
87	OHX	1	4215	7/7	0.89	0.13	155,155,155,155	0
86	MG	2	1937	1/1	0.89	0.28	55,55,55,55	0
87	OHX	19	600	7/7	0.89	0.17	119,119,119,119	0
87	OHX	1	4217	7/7	0.89	0.18	147,147,147,147	0
86	MG	1	3805	1/1	0.89	0.20	59,59,59,59	0
87	OHX	2	2145	7/7	0.89	0.12	159,159,159,159	0
86	MG	5	3515	1/1	0.89	0.22	35,35,35,35	0
86	MG	1	3502	1/1	0.89	0.37	29,29,29,29	0
86	MG	5	3526	1/1	0.89	0.21	52,52,52,52	0
86	MG	4	213	1/1	0.90	0.19	35,35,35,35	0
87	OHX	1	4144	7/7	0.90	0.17	126,126,126,126	0
86	MG	m7	204	1/1	0.90	0.16	32,32,32,32	0
87	OHX	6	2191	7/7	0.90	0.14	151,151,151,151	0
86	MG	1	3655	1/1	0.90	0.12	33,33,33,33	0
86	MG	1	3417	1/1	0.90	0.21	43,43,43,43	0
86	MG	1	3559	1/1	0.90	0.37	52,52,52,52	0
86	MG	5	3602	1/1	0.90	0.10	42,42,42,42	0
87	OHX	6	2197	7/7	0.90	0.18	132,132,132,132	0
86	MG	1	3620	1/1	0.90	0.26	60,60,60,60	0
86	MG	1	3742	1/1	0.90	0.25	60,60,60,60	0
87	OHX	6	2200	7/7	0.90	0.15	139,139,139,139	0
86	MG	5	3614	1/1	0.90	0.16	34,34,34,34	0
86	MG	6	2014	1/1	0.90	0.19	67,67,67,67	0
87	OHX	2	2091	7/7	0.90	0.15	132,132,132,132	0
87	OHX	1	4158	7/7	0.90	0.19	128,128,128,128	0
86	MG	2	1942	1/1	0.90	0.32	73,73,73,73	0
86	MG	5	3463	1/1	0.90	0.23	49,49,49,49	0
87	OHX	2	2112	7/7	0.90	0.12	149,149,149,149	0
87	OHX	5	4095	7/7	0.90	0.22	106,106,106,106	0
86	MG	1	3666	1/1	0.90	0.21	44,44,44,44	0
86	MG	2	1987	1/1	0.90	0.27	70,70,70,70	0
87	OHX	5	4108	7/7	0.90	0.14	139,139,139,139	0
87	OHX	2	2128	7/7	0.90	0.15	127,127,127,127	0
87	OHX	5	4118	7/7	0.90	0.15	127,127,127,127	0
86	MG	L3	402	1/1	0.90	0.12	41,41,41,41	0
86	MG	1	3455	1/1	0.90	0.26	52,52,52,52	0
87	OHX	5	4145	7/7	0.90	0.15	121,121,121,121	0
86	MG	1	3575	1/1	0.90	0.31	40,40,40,40	0
86	MG	M3	201	1/1	0.90	0.14	55,55,55,55	0
86	MG	2	2013	1/1	0.90	0.32	69,69,69,69	0
86	MG	1	3767	1/1	0.90	0.11	37,37,37,37	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
86	MG	2	1981	1/1	0.90	0.34	60,60,60,60	0
87	OHX	5	4155	7/7	0.90	0.18	120,120,120,120	0
87	OHX	2	2141	7/7	0.90	0.14	154,154,154,154	0
87	OHX	1	4179	7/7	0.90	0.14	139,139,139,139	0
87	OHX	5	4159	7/7	0.90	0.14	137,137,137,137	0
86	MG	M7	201	1/1	0.90	0.37	62,62,62,62	0
86	MG	1	3427	1/1	0.90	0.23	42,42,42,42	0
87	OHX	5	4164	7/7	0.90	0.14	129,129,129,129	0
86	MG	6	2035	1/1	0.90	0.33	56,56,56,56	0
87	OHX	5	4166	7/7	0.90	0.19	105,105,105,105	0
86	MG	1	3590	1/1	0.90	0.29	32,32,32,32	0
86	MG	5	3495	1/1	0.90	0.21	28,28,28,28	0
87	OHX	5	4169	7/7	0.90	0.19	111,111,111,111	0
86	MG	6	1959	1/1	0.90	0.37	59,59,59,59	0
86	MG	1	3463	1/1	0.90	0.28	31,31,31,31	0
86	MG	1	3465	1/1	0.90	0.19	45,45,45,45	0
86	MG	1	3775	1/1	0.90	0.15	52,52,52,52	0
86	MG	5	3670	1/1	0.90	0.17	38,38,38,38	0
86	MG	2	2015	1/1	0.90	0.39	61,61,61,61	0
86	MG	6	1965	1/1	0.90	0.20	65,65,65,65	0
86	MG	5	3867	1/1	0.90	0.10	42,42,42,42	0
86	MG	1	3597	1/1	0.90	0.35	21,21,21,21	0
86	MG	5	3517	1/1	0.90	0.27	36,36,36,36	0
86	MG	c1	201	1/1	0.90	0.24	51,51,51,51	0
86	MG	5	3521	1/1	0.90	0.32	40,40,40,40	0
87	OHX	5	4193	7/7	0.90	0.17	117,117,117,117	0
87	OHX	5	4194	7/7	0.90	0.19	121,121,121,121	0
86	MG	5	3876	1/1	0.90	0.29	29,29,29,29	0
86	MG	5	3878	1/1	0.90	0.24	43,43,43,43	0
86	MG	5	3525	1/1	0.90	0.29	30,30,30,30	0
86	MG	5	3882	1/1	0.90	0.37	57,57,57,57	0
87	OHX	2	2170	7/7	0.90	0.15	143,143,143,143	0
86	MG	1	3438	1/1	0.90	0.24	48,48,48,48	0
86	MG	1	3644	1/1	0.90	0.25	45,45,45,45	0
86	MG	5	3534	1/1	0.90	0.20	50,50,50,50	0
86	MG	3	205	1/1	0.90	0.23	36,36,36,36	0
87	OHX	1	4210	7/7	0.90	0.20	115,115,115,115	0
87	OHX	1	4211	7/7	0.90	0.17	126,126,126,126	0
86	MG	1	3605	1/1	0.90	0.21	37,37,37,37	0
87	OHX	2	2177	7/7	0.90	0.16	134,134,134,134	0
86	MG	3	207	1/1	0.90	0.31	66,66,66,66	0
86	MG	5	3404	1/1	0.90	0.14	46,46,46,46	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
86	MG	1	3788	1/1	0.90	0.20	48,48,48,48	0
86	MG	1	3701	1/1	0.90	0.16	42,42,42,42	0
87	OHX	3	225	7/7	0.90	0.18	124,124,124,124	0
87	OHX	5	4223	7/7	0.90	0.18	133,133,133,133	0
86	MG	1	3473	1/1	0.90	0.27	28,28,28,28	0
86	MG	5	3899	1/1	0.90	0.29	51,51,51,51	0
86	MG	6	1913	1/1	0.90	0.30	36,36,36,36	0
86	MG	5	3726	1/1	0.90	0.22	44,44,44,44	0
86	MG	5	4264	1/1	0.90	0.42	34,34,34,34	0
87	OHX	1	4067	7/7	0.90	0.18	118,118,118,118	0
86	MG	5	3417	1/1	0.90	0.30	24,24,24,24	0
87	OHX	1	4074	7/7	0.90	0.14	128,128,128,128	0
86	MG	1	3413	1/1	0.90	0.45	59,59,59,59	0
87	OHX	5	4234	7/7	0.90	0.18	125,125,125,125	0
87	OHX	M8	201	7/7	0.90	0.17	126,126,126,126	0
87	OHX	1	4081	7/7	0.90	0.20	118,118,118,118	0
87	OHX	6	2102	7/7	0.90	0.17	114,114,114,114	0
86	MG	7	207	1/1	0.90	0.16	51,51,51,51	0
87	OHX	1	4091	7/7	0.90	0.18	120,120,120,120	0
86	MG	1	3440	1/1	0.90	0.31	39,39,39,39	0
86	MG	7	209	1/1	0.90	0.26	44,44,44,44	0
87	OHX	6	2138	7/7	0.90	0.17	122,122,122,122	0
87	OHX	1	4098	7/7	0.90	0.17	122,122,122,122	0
86	MG	1	3479	1/1	0.90	0.21	74,74,74,74	0
87	OHX	6	2148	7/7	0.90	0.14	135,135,135,135	0
87	OHX	6	2150	7/7	0.90	0.15	150,150,150,150	0
87	OHX	1	4103	7/7	0.90	0.17	115,115,115,115	0
87	OHX	6	2158	7/7	0.90	0.19	125,125,125,125	0
87	OHX	5	4250	7/7	0.90	0.20	99,99,99,99	0
87	OHX	5	4251	7/7	0.90	0.13	154,154,154,154	0
87	OHX	6	2162	7/7	0.90	0.11	182,182,182,182	0
86	MG	5	3560	1/1	0.90	0.28	30,30,30,30	0
86	MG	5	3739	1/1	0.90	0.12	40,40,40,40	0
87	OHX	6	2166	7/7	0.90	0.21	113,113,113,113	0
86	MG	1	3808	1/1	0.90	0.15	38,38,38,38	0
86	MG	1	3717	1/1	0.90	0.19	46,46,46,46	0
86	MG	8	204	1/1	0.90	0.32	47,47,47,47	0
87	OHX	1	4122	7/7	0.90	0.16	123,123,123,123	0
86	MG	6	1994	1/1	0.90	0.08	43,43,43,43	0
86	MG	1	3517	1/1	0.90	0.34	37,37,37,37	0
87	OHX	6	2174	7/7	0.90	0.20	103,103,103,103	0
87	OHX	6	2175	7/7	0.90	0.20	113,113,113,113	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
87	OHX	8	225	7/7	0.90	0.18	118,118,118,118	0
87	OHX	8	226	7/7	0.90	0.18	130,130,130,130	0
86	MG	8	207	1/1	0.90	0.18	58,58,58,58	0
86	MG	5	3574	1/1	0.90	0.29	31,31,31,31	0
86	MG	4	209	1/1	0.90	0.33	49,49,49,49	0
86	MG	8	211	1/1	0.90	0.47	66,66,66,66	0
87	OHX	m0	302	7/7	0.90	0.19	112,112,112,112	0
86	MG	1	3725	1/1	0.90	0.11	53,53,53,53	0
86	MG	l5	302	1/1	0.90	0.24	63,63,63,63	0
86	MG	1	3727	1/1	0.90	0.16	44,44,44,44	0
87	OHX	1	4138	7/7	0.90	0.18	109,109,109,109	0
87	OHX	o9	101	7/7	0.90	0.22	107,107,107,107	0
86	MG	5	3584	1/1	0.90	0.28	44,44,44,44	0
86	MG	m5	301	1/1	0.90	0.24	49,49,49,49	0
87	OHX	1	4127	7/7	0.91	0.15	132,132,132,132	0
87	OHX	6	2186	7/7	0.91	0.12	161,161,161,161	0
86	MG	1	3585	1/1	0.91	0.27	40,40,40,40	0
86	MG	5	3733	1/1	0.91	0.37	72,72,72,72	0
86	MG	1	3534	1/1	0.91	0.15	34,34,34,34	0
86	MG	6	1942	1/1	0.91	0.23	34,34,34,34	0
86	MG	1	3715	1/1	0.91	0.19	37,37,37,37	0
86	MG	1	3820	1/1	0.91	0.07	37,37,37,37	0
86	MG	6	1949	1/1	0.91	0.34	51,51,51,51	0
86	MG	1	3535	1/1	0.91	0.39	29,29,29,29	0
87	OHX	1	4139	7/7	0.91	0.17	111,111,111,111	0
87	OHX	6	2196	7/7	0.91	0.17	134,134,134,134	0
87	OHX	1	4140	7/7	0.91	0.15	108,108,108,108	0
86	MG	m1	201	1/1	0.91	0.21	57,57,57,57	0
86	MG	1	3823	1/1	0.91	0.12	44,44,44,44	0
86	MG	5	3551	1/1	0.91	0.35	51,51,51,51	0
86	MG	1	3824	1/1	0.91	0.13	58,58,58,58	0
86	MG	n0	201	1/1	0.91	0.13	44,44,44,44	0
86	MG	6	1955	1/1	0.91	0.36	41,41,41,41	0
86	MG	c8	201	1/1	0.91	0.41	71,71,71,71	0
86	MG	c9	201	1/1	0.91	0.34	68,68,68,68	0
86	MG	L2	301	1/1	0.91	0.09	36,36,36,36	0
86	MG	sM	402	1/1	0.91	0.11	45,45,45,45	0
87	OHX	5	4022	7/7	0.91	0.14	144,144,144,144	0
86	MG	5	3562	1/1	0.91	0.39	34,34,34,34	0
87	OHX	5	4099	7/7	0.91	0.17	112,112,112,112	0
86	MG	5	3778	1/1	0.91	0.10	41,41,41,41	0
86	MG	5	3565	1/1	0.91	0.33	29,29,29,29	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
86	MG	5	3782	1/1	0.91	0.10	62,62,62,62	0
87	OHX	5	4115	7/7	0.91	0.16	123,123,123,123	0
86	MG	1	3722	1/1	0.91	0.26	52,52,52,52	0
86	MG	1	3592	1/1	0.91	0.27	39,39,39,39	0
87	OHX	1	4163	7/7	0.91	0.15	125,125,125,125	0
87	OHX	2	2103	7/7	0.91	0.14	142,142,142,142	0
87	OHX	2	2108	7/7	0.91	0.15	125,125,125,125	0
87	OHX	1	4166	7/7	0.91	0.17	134,134,134,134	0
86	MG	5	3407	1/1	0.91	0.20	39,39,39,39	0
86	MG	L7	302	1/1	0.91	0.17	48,48,48,48	0
86	MG	M0	302	1/1	0.91	0.09	49,49,49,49	0
87	OHX	5	4152	7/7	0.91	0.18	130,130,130,130	0
87	OHX	2	2122	7/7	0.91	0.14	137,137,137,137	0
87	OHX	2	2123	7/7	0.91	0.14	132,132,132,132	0
86	MG	1	3474	1/1	0.91	0.27	26,26,26,26	0
87	OHX	5	4157	7/7	0.91	0.14	140,140,140,140	0
86	MG	1	3539	1/1	0.91	0.14	40,40,40,40	0
86	MG	1	3422	1/1	0.91	0.19	31,31,31,31	0
86	MG	5	3418	1/1	0.91	0.19	33,33,33,33	0
86	MG	1	3735	1/1	0.91	0.16	64,64,64,64	0
86	MG	5	3806	1/1	0.91	0.21	44,44,44,44	0
86	MG	1	3542	1/1	0.91	0.21	30,30,30,30	0
86	MG	6	1969	1/1	0.91	0.28	58,58,58,58	0
86	MG	2	1931	1/1	0.91	0.31	69,69,69,69	0
87	OHX	2	2143	7/7	0.91	0.15	132,132,132,132	0
87	OHX	1	4183	7/7	0.91	0.08	229,229,229,229	0
86	MG	1	3601	1/1	0.91	0.19	36,36,36,36	0
86	MG	M7	205	1/1	0.91	0.20	40,40,40,40	0
87	OHX	5	4174	7/7	0.91	0.16	123,123,123,123	0
87	OHX	5	4175	7/7	0.91	0.11	150,150,150,150	0
86	MG	1	3501	1/1	0.91	0.34	64,64,64,64	0
87	OHX	5	4177	7/7	0.91	0.18	124,124,124,124	0
86	MG	1	3846	1/1	0.91	0.25	50,50,50,50	0
86	MG	1	3750	1/1	0.91	0.15	52,52,52,52	0
87	OHX	5	4183	7/7	0.91	0.17	134,134,134,134	0
86	MG	2	1916	1/1	0.91	0.33	51,51,51,51	0
87	OHX	5	4185	7/7	0.91	0.17	124,124,124,124	0
86	MG	5	3436	1/1	0.91	0.22	46,46,46,46	0
86	MG	5	3838	1/1	0.91	0.12	67,67,67,67	0
86	MG	5	3624	1/1	0.91	0.28	38,38,38,38	0
86	MG	1	3851	1/1	0.91	0.34	50,50,50,50	0
86	MG	5	3629	1/1	0.91	0.18	61,61,61,61	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
86	MG	5	3851	1/1	0.91	0.10	32,32,32,32	0
87	OHX	1	4196	7/7	0.91	0.13	140,140,140,140	0
86	MG	5	3440	1/1	0.91	0.29	31,31,31,31	0
86	MG	1	3752	1/1	0.91	0.30	60,60,60,60	0
86	MG	1	3546	1/1	0.91	0.24	48,48,48,48	0
87	OHX	5	4197	7/7	0.91	0.16	118,118,118,118	0
87	OHX	5	4198	7/7	0.91	0.14	132,132,132,132	0
87	OHX	5	4199	7/7	0.91	0.15	117,117,117,117	0
86	MG	6	1989	1/1	0.91	0.26	66,66,66,66	0
86	MG	5	3861	1/1	0.91	0.15	45,45,45,45	0
87	OHX	5	4202	7/7	0.91	0.12	163,163,163,163	0
86	MG	6	1901	1/1	0.91	0.24	47,47,47,47	0
86	MG	2	1912	1/1	0.91	0.28	63,63,63,63	0
86	MG	5	3865	1/1	0.91	0.16	57,57,57,57	0
86	MG	5	3644	1/1	0.91	0.36	58,58,58,58	0
87	OHX	2	2167	7/7	0.91	0.14	155,155,155,155	0
86	MG	1	3860	1/1	0.91	0.15	91,91,91,91	0
87	OHX	2	2171	7/7	0.91	0.14	133,133,133,133	0
86	MG	1	3861	1/1	0.91	0.29	55,55,55,55	0
86	MG	1	3553	1/1	0.91	0.37	37,37,37,37	0
87	OHX	5	4216	7/7	0.91	0.13	141,141,141,141	0
86	MG	1	3759	1/1	0.91	0.15	33,33,33,33	0
87	OHX	1	4214	7/7	0.91	0.20	122,122,122,122	0
86	MG	1	3668	1/1	0.91	0.10	51,51,51,51	0
86	MG	1	3482	1/1	0.91	0.21	30,30,30,30	0
86	MG	1	3429	1/1	0.91	0.48	42,42,42,42	0
86	MG	2	2010	1/1	0.91	0.51	76,76,76,76	0
86	MG	5	3476	1/1	0.91	0.28	34,34,34,34	0
86	MG	1	3673	1/1	0.91	0.35	57,57,57,57	0
86	MG	1	3416	1/1	0.91	0.21	32,32,32,32	0
86	MG	5	3669	1/1	0.91	0.09	30,30,30,30	0
87	OHX	C3	201	7/7	0.91	0.13	154,154,154,154	0
87	OHX	D9	102	7/7	0.91	0.15	136,136,136,136	0
87	OHX	1	3956	7/7	0.91	0.16	98,98,98,98	0
87	OHX	1	4024	7/7	0.91	0.17	113,113,113,113	0
86	MG	1	3771	1/1	0.91	0.12	86,86,86,86	0
86	MG	2	1927	1/1	0.91	0.36	49,49,49,49	0
86	MG	1	3523	1/1	0.91	0.25	55,55,55,55	0
86	MG	1	3560	1/1	0.91	0.28	26,26,26,26	0
86	MG	1	3689	1/1	0.91	0.14	34,34,34,34	0
87	OHX	1	4070	7/7	0.91	0.19	106,106,106,106	0
87	OHX	1	4071	7/7	0.91	0.17	122,122,122,122	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
86	MG	1	3561	1/1	0.91	0.27	40,40,40,40	0
87	OHX	6	2125	7/7	0.91	0.17	113,113,113,113	0
87	OHX	6	2132	7/7	0.91	0.15	119,119,119,119	0
86	MG	6	2021	1/1	0.91	0.22	48,48,48,48	0
86	MG	3	213	1/1	0.91	0.33	57,57,57,57	0
86	MG	1	3524	1/1	0.91	0.27	29,29,29,29	0
87	OHX	1	4083	7/7	0.91	0.17	121,121,121,121	0
86	MG	5	4261	1/1	0.91	0.20	35,35,35,35	0
87	OHX	1	4085	7/7	0.91	0.14	128,128,128,128	0
87	OHX	6	2151	7/7	0.91	0.13	139,139,139,139	0
87	OHX	6	2152	7/7	0.91	0.13	131,131,131,131	0
86	MG	2	1984	1/1	0.91	0.21	56,56,56,56	0
87	OHX	6	2155	7/7	0.91	0.19	133,133,133,133	0
86	MG	1	3568	1/1	0.91	0.30	31,31,31,31	0
87	OHX	6	2159	7/7	0.91	0.16	120,120,120,120	0
87	OHX	6	2160	7/7	0.91	0.18	114,114,114,114	0
86	MG	1	3698	1/1	0.91	0.15	60,60,60,60	0
86	MG	6	2030	1/1	0.91	0.15	54,54,54,54	0
86	MG	1	3526	1/1	0.91	0.24	27,27,27,27	0
87	OHX	1	4101	7/7	0.91	0.13	143,143,143,143	0
86	MG	1	3441	1/1	0.91	0.20	41,41,41,41	0
86	MG	2	2005	1/1	0.91	0.10	59,59,59,59	0
87	OHX	1	4105	7/7	0.91	0.16	126,126,126,126	0
87	OHX	1	4106	7/7	0.91	0.15	136,136,136,136	0
87	OHX	1	4108	7/7	0.91	0.18	117,117,117,117	0
87	OHX	1	4111	7/7	0.91	0.15	127,127,127,127	0
87	OHX	1	4112	7/7	0.91	0.15	117,117,117,117	0
87	OHX	15	305	7/7	0.91	0.15	135,135,135,135	0
86	MG	1	3704	1/1	0.91	0.28	49,49,49,49	0
87	OHX	1	4114	7/7	0.91	0.20	105,105,105,105	0
86	MG	5	3718	1/1	0.91	0.26	52,52,52,52	0
86	MG	1	3496	1/1	0.91	0.18	46,46,46,46	0
87	OHX	1	4117	7/7	0.91	0.11	167,167,167,167	0
86	MG	1	3583	1/1	0.91	0.27	36,36,36,36	0
87	OHX	6	2181	7/7	0.91	0.17	126,126,126,126	0
86	MG	6	2038	1/1	0.91	0.35	66,66,66,66	0
86	MG	5	3727	1/1	0.91	0.11	38,38,38,38	0
86	MG	5	3529	1/1	0.91	0.19	29,29,29,29	0
86	MG	5	3829	1/1	0.92	0.19	60,60,60,60	0
86	MG	5	3641	1/1	0.92	0.28	51,51,51,51	0
86	MG	5	3642	1/1	0.92	0.26	62,62,62,62	0
86	MG	1	3830	1/1	0.92	0.19	25,25,25,25	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
87	OHX	5	4033	7/7	0.92	0.15	103,103,103,103	0
87	OHX	5	4077	7/7	0.92	0.17	123,123,123,123	0
87	OHX	5	4094	7/7	0.92	0.16	108,108,108,108	0
86	MG	5	3646	1/1	0.92	0.15	52,52,52,52	0
86	MG	1	3452	1/1	0.92	0.21	34,34,34,34	0
86	MG	1	3453	1/1	0.92	0.30	47,47,47,47	0
86	MG	6	2204	1/1	0.92	0.21	57,57,57,57	0
86	MG	6	1972	1/1	0.92	0.23	52,52,52,52	0
87	OHX	5	4109	7/7	0.92	0.17	102,102,102,102	0
87	OHX	5	4110	7/7	0.92	0.11	146,146,146,146	0
86	MG	6	1974	1/1	0.92	0.22	59,59,59,59	0
86	MG	1	3833	1/1	0.92	0.30	28,28,28,28	0
86	MG	1	3436	1/1	0.92	0.17	40,40,40,40	0
87	OHX	5	4123	7/7	0.92	0.11	138,138,138,138	0
86	MG	5	3660	1/1	0.92	0.23	30,30,30,30	0
87	OHX	5	4126	7/7	0.92	0.15	111,111,111,111	0
87	OHX	5	4127	7/7	0.92	0.15	117,117,117,117	0
87	OHX	5	4130	7/7	0.92	0.14	128,128,128,128	0
87	OHX	5	4131	7/7	0.92	0.13	137,137,137,137	0
86	MG	5	3504	1/1	0.92	0.38	33,33,33,33	0
87	OHX	5	4139	7/7	0.92	0.11	173,173,173,173	0
87	OHX	5	4141	7/7	0.92	0.15	120,120,120,120	0
87	OHX	5	4144	7/7	0.92	0.18	123,123,123,123	0
86	MG	2	1985	1/1	0.92	0.17	59,59,59,59	0
86	MG	5	3506	1/1	0.92	0.24	34,34,34,34	0
86	MG	5	3514	1/1	0.92	0.33	28,28,28,28	0
86	MG	6	1979	1/1	0.92	0.31	65,65,65,65	0
86	MG	1	3837	1/1	0.92	0.23	31,31,31,31	0
86	MG	5	3519	1/1	0.92	0.23	27,27,27,27	0
86	MG	2	2182	1/1	0.92	0.21	65,65,65,65	0
86	MG	1	3718	1/1	0.92	0.30	68,68,68,68	0
86	MG	6	1985	1/1	0.92	0.09	41,41,41,41	0
86	MG	1	3511	1/1	0.92	0.30	32,32,32,32	0
86	MG	1	3563	1/1	0.92	0.34	27,27,27,27	0
86	MG	1	3514	1/1	0.92	0.33	23,23,23,23	0
86	MG	1	3781	1/1	0.92	0.21	34,34,34,34	0
86	MG	6	1991	1/1	0.92	0.08	50,50,50,50	0
86	MG	1	3848	1/1	0.92	0.44	61,61,61,61	0
86	MG	5	3541	1/1	0.92	0.35	29,29,29,29	0
86	MG	5	3702	1/1	0.92	0.15	54,54,54,54	0
86	MG	6	1925	1/1	0.92	0.43	40,40,40,40	0
86	MG	6	1995	1/1	0.92	0.16	71,71,71,71	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
86	MG	6	1997	1/1	0.92	0.27	58,58,58,58	0
87	OHX	5	4170	7/7	0.92	0.19	112,112,112,112	0
86	MG	5	3545	1/1	0.92	0.22	30,30,30,30	0
86	MG	1	3782	1/1	0.92	0.24	65,65,65,65	0
87	OHX	5	4173	7/7	0.92	0.16	128,128,128,128	0
86	MG	5	3716	1/1	0.92	0.11	48,48,48,48	0
87	OHX	1	4007	7/7	0.92	0.16	105,105,105,105	0
87	OHX	1	4020	7/7	0.92	0.09	145,145,145,145	0
86	MG	1	3726	1/1	0.92	0.07	45,45,45,45	0
86	MG	5	4262	1/1	0.92	0.18	37,37,37,37	0
86	MG	1	3679	1/1	0.92	0.15	39,39,39,39	0
87	OHX	5	4182	7/7	0.92	0.18	118,118,118,118	0
86	MG	7	202	1/1	0.92	0.20	28,28,28,28	0
86	MG	5	3723	1/1	0.92	0.15	44,44,44,44	0
86	MG	6	2002	1/1	0.92	0.13	71,71,71,71	0
87	OHX	3	222	7/7	0.92	0.11	137,137,137,137	0
87	OHX	3	223	7/7	0.92	0.17	115,115,115,115	0
86	MG	1	3682	1/1	0.92	0.12	40,40,40,40	0
86	MG	1	3854	1/1	0.92	0.22	49,49,49,49	0
87	OHX	3	226	7/7	0.92	0.14	134,134,134,134	0
86	MG	5	3556	1/1	0.92	0.31	47,47,47,47	0
86	MG	1	3423	1/1	0.92	0.21	45,45,45,45	0
87	OHX	1	4075	7/7	0.92	0.14	137,137,137,137	0
86	MG	L8	301	1/1	0.92	0.27	55,55,55,55	0
87	OHX	1	4080	7/7	0.92	0.13	126,126,126,126	0
86	MG	1	3459	1/1	0.92	0.38	66,66,66,66	0
86	MG	7	226	1/1	0.92	0.18	36,36,36,36	0
86	MG	2	1911	1/1	0.92	0.37	57,57,57,57	0
86	MG	6	2011	1/1	0.92	0.21	62,62,62,62	0
87	OHX	1	4087	7/7	0.92	0.12	136,136,136,136	0
86	MG	2	1998	1/1	0.92	0.14	102,102,102,102	0
86	MG	1	3800	1/1	0.92	0.15	51,51,51,51	0
86	MG	5	3443	1/1	0.92	0.12	31,31,31,31	0
86	MG	2	2020	1/1	0.92	0.38	59,59,59,59	0
87	OHX	5	4207	7/7	0.92	0.15	109,109,109,109	0
86	MG	1	3406	1/1	0.92	0.24	37,37,37,37	0
87	OHX	1	4100	7/7	0.92	0.11	147,147,147,147	0
87	OHX	6	2131	7/7	0.92	0.12	151,151,151,151	0
86	MG	5	3450	1/1	0.92	0.16	35,35,35,35	0
87	OHX	6	2133	7/7	0.92	0.13	128,128,128,128	0
86	MG	5	3755	1/1	0.92	0.25	49,49,49,49	0
87	OHX	6	2136	7/7	0.92	0.14	118,118,118,118	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
86	MG	5	3757	1/1	0.92	0.16	51,51,51,51	0
87	OHX	6	2139	7/7	0.92	0.11	156,156,156,156	0
87	OHX	6	2141	7/7	0.92	0.13	134,134,134,134	0
86	MG	5	3577	1/1	0.92	0.22	45,45,45,45	0
86	MG	5	3760	1/1	0.92	0.14	41,41,41,41	0
86	MG	5	3764	1/1	0.92	0.16	48,48,48,48	0
86	MG	1	3582	1/1	0.92	0.18	38,38,38,38	0
86	MG	1	3866	1/1	0.92	0.39	67,67,67,67	0
86	MG	m5	303	1/1	0.92	0.08	52,52,52,52	0
86	MG	6	2020	1/1	0.92	0.22	50,50,50,50	0
86	MG	m7	201	1/1	0.92	0.28	32,32,32,32	0
87	OHX	6	2156	7/7	0.92	0.14	131,131,131,131	0
87	OHX	6	2157	7/7	0.92	0.16	109,109,109,109	0
86	MG	1	3550	1/1	0.92	0.22	36,36,36,36	0
86	MG	5	3775	1/1	0.92	0.20	67,67,67,67	0
87	OHX	1	4118	7/7	0.92	0.17	117,117,117,117	0
86	MG	1	3815	1/1	0.92	0.18	48,48,48,48	0
86	MG	3	202	1/1	0.92	0.23	56,56,56,56	0
86	MG	n6	202	1/1	0.92	0.20	47,47,47,47	0
86	MG	1	3817	1/1	0.92	0.23	48,48,48,48	0
87	OHX	1	4126	7/7	0.92	0.19	102,102,102,102	0
86	MG	n8	202	1/1	0.92	0.17	41,41,41,41	0
87	OHX	6	2169	7/7	0.92	0.20	107,107,107,107	0
86	MG	5	3598	1/1	0.92	0.32	31,31,31,31	0
87	OHX	1	4130	7/7	0.92	0.14	134,134,134,134	0
86	MG	5	3599	1/1	0.92	0.37	31,31,31,31	0
87	OHX	1	4132	7/7	0.92	0.17	116,116,116,116	0
86	MG	1	3621	1/1	0.92	0.25	68,68,68,68	0
86	MG	1	3584	1/1	0.92	0.36	33,33,33,33	0
86	MG	5	3470	1/1	0.92	0.26	35,35,35,35	0
86	MG	q3	502	1/1	0.92	0.15	61,61,61,61	0
87	OHX	2	2068	7/7	0.92	0.12	146,146,146,146	0
86	MG	5	3471	1/1	0.92	0.19	46,46,46,46	0
86	MG	1	3445	1/1	0.92	0.23	45,45,45,45	0
86	MG	5	3618	1/1	0.92	0.24	47,47,47,47	0
86	MG	5	3796	1/1	0.92	0.14	40,40,40,40	0
86	MG	N8	203	1/1	0.92	0.14	47,47,47,47	0
86	MG	O7	102	1/1	0.92	0.39	57,57,57,57	0
86	MG	1	3432	1/1	0.92	0.28	42,42,42,42	0
87	OHX	2	2118	7/7	0.92	0.12	151,151,151,151	0
87	OHX	2	2119	7/7	0.92	0.13	132,132,132,132	0
86	MG	5	3805	1/1	0.92	0.14	41,41,41,41	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
86	MG	1	3660	1/1	0.92	0.27	45,45,45,45	0
86	MG	5	3628	1/1	0.92	0.20	51,51,51,51	0
87	OHX	2	2125	7/7	0.92	0.13	132,132,132,132	0
86	MG	1	3450	1/1	0.92	0.20	41,41,41,41	0
86	MG	5	3482	1/1	0.92	0.34	61,61,61,61	0
87	OHX	2	2132	7/7	0.92	0.16	125,125,125,125	0
87	OHX	15	304	7/7	0.92	0.11	133,133,133,133	0
86	MG	5	3633	1/1	0.92	0.12	46,46,46,46	0
86	MG	5	3813	1/1	0.92	0.11	36,36,36,36	0
86	MG	1	3708	1/1	0.92	0.06	55,55,55,55	0
86	MG	5	3815	1/1	0.92	0.25	66,66,66,66	0
86	MG	1	3827	1/1	0.92	0.10	49,49,49,49	0
87	OHX	2	2139	7/7	0.92	0.13	134,134,134,134	0
86	MG	5	3488	1/1	0.92	0.34	31,31,31,31	0
86	MG	1	3828	1/1	0.92	0.09	45,45,45,45	0
86	MG	5	3824	1/1	0.92	0.07	65,65,65,65	0
87	OHX	s4	301	7/7	0.92	0.14	140,140,140,140	0
86	MG	5	3490	1/1	0.92	0.32	51,51,51,51	0
86	MG	5	3485	1/1	0.93	0.13	46,46,46,46	0
87	OHX	2	2092	7/7	0.93	0.22	114,114,114,114	0
86	MG	1	3431	1/1	0.93	0.24	48,48,48,48	0
86	MG	1	3834	1/1	0.93	0.22	33,33,33,33	0
87	OHX	2	2101	7/7	0.93	0.11	136,136,136,136	0
86	MG	5	3627	1/1	0.93	0.13	60,60,60,60	0
87	OHX	1	4148	7/7	0.93	0.18	111,111,111,111	0
87	OHX	2	2105	7/7	0.93	0.14	114,114,114,114	0
87	OHX	c5	201	7/7	0.93	0.10	147,147,147,147	0
87	OHX	2	2106	7/7	0.93	0.14	125,125,125,125	0
86	MG	1	3504	1/1	0.93	0.27	27,27,27,27	0
87	OHX	5	4000	7/7	0.93	0.14	107,107,107,107	0
87	OHX	5	4004	7/7	0.93	0.13	105,105,105,105	0
86	MG	5	3799	1/1	0.93	0.10	46,46,46,46	0
87	OHX	2	2114	7/7	0.93	0.13	153,153,153,153	0
87	OHX	5	4048	7/7	0.93	0.13	120,120,120,120	0
87	OHX	5	4049	7/7	0.93	0.16	111,111,111,111	0
87	OHX	5	4068	7/7	0.93	0.14	120,120,120,120	0
87	OHX	5	4069	7/7	0.93	0.12	120,120,120,120	0
86	MG	6	1908	1/1	0.93	0.27	45,45,45,45	0
87	OHX	1	4155	7/7	0.93	0.14	109,109,109,109	0
87	OHX	2	2117	7/7	0.93	0.13	136,136,136,136	0
87	OHX	5	4097	7/7	0.93	0.16	110,110,110,110	0
87	OHX	5	4098	7/7	0.93	0.17	109,109,109,109	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
86	MG	1	3628	1/1	0.93	0.33	43,43,43,43	0
86	MG	1	3776	1/1	0.93	0.12	54,54,54,54	0
87	OHX	5	4104	7/7	0.93	0.16	116,116,116,116	0
87	OHX	5	4105	7/7	0.93	0.13	128,128,128,128	0
86	MG	5	3634	1/1	0.93	0.09	39,39,39,39	0
87	OHX	5	4107	7/7	0.93	0.15	119,119,119,119	0
86	MG	1	3669	1/1	0.93	0.11	43,43,43,43	0
86	MG	5	3496	1/1	0.93	0.13	33,33,33,33	0
86	MG	5	3497	1/1	0.93	0.30	37,37,37,37	0
87	OHX	5	4112	7/7	0.93	0.18	101,101,101,101	0
87	OHX	5	4113	7/7	0.93	0.18	107,107,107,107	0
87	OHX	2	2126	7/7	0.93	0.15	121,121,121,121	0
86	MG	4	206	1/1	0.93	0.24	33,33,33,33	0
86	MG	5	3499	1/1	0.93	0.21	30,30,30,30	0
87	OHX	5	4121	7/7	0.93	0.15	112,112,112,112	0
87	OHX	2	2130	7/7	0.93	0.10	181,181,181,181	0
86	MG	4	207	1/1	0.93	0.26	33,33,33,33	0
86	MG	4	208	1/1	0.93	0.35	41,41,41,41	0
86	MG	5	3816	1/1	0.93	0.21	30,30,30,30	0
86	MG	1	3591	1/1	0.93	0.47	40,40,40,40	0
86	MG	5	3645	1/1	0.93	0.11	30,30,30,30	0
86	MG	d3	201	1/1	0.93	0.29	50,50,50,50	0
87	OHX	5	4136	7/7	0.93	0.12	138,138,138,138	0
86	MG	5	3648	1/1	0.93	0.40	55,55,55,55	0
87	OHX	5	4140	7/7	0.93	0.16	112,112,112,112	0
86	MG	d4	201	1/1	0.93	0.18	53,53,53,53	0
86	MG	4	210	1/1	0.93	0.10	48,48,48,48	0
87	OHX	2	2142	7/7	0.93	0.11	155,155,155,155	0
86	MG	5	3833	1/1	0.93	0.15	39,39,39,39	0
86	MG	1	3506	1/1	0.93	0.21	35,35,35,35	0
86	MG	2	1918	1/1	0.93	0.38	51,51,51,51	0
86	MG	5	3839	1/1	0.93	0.15	41,41,41,41	0
87	OHX	5	4151	7/7	0.93	0.17	112,112,112,112	0
86	MG	1	3844	1/1	0.93	0.15	61,61,61,61	0
86	MG	5	3405	1/1	0.93	0.21	29,29,29,29	0
86	MG	5	3848	1/1	0.93	0.23	45,45,45,45	0
86	MG	6	1921	1/1	0.93	0.35	48,48,48,48	0
86	MG	6	1992	1/1	0.93	0.16	51,51,51,51	0
87	OHX	2	2153	7/7	0.93	0.13	137,137,137,137	0
86	MG	1	3492	1/1	0.93	0.24	28,28,28,28	0
87	OHX	5	4160	7/7	0.93	0.18	102,102,102,102	0
86	MG	5	3663	1/1	0.93	0.33	50,50,50,50	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
86	MG	5	3522	1/1	0.93	0.26	33,33,33,33	0
86	MG	5	3859	1/1	0.93	0.13	69,69,69,69	0
86	MG	1	3536	1/1	0.93	0.36	45,45,45,45	0
86	MG	5	3413	1/1	0.93	0.28	29,29,29,29	0
86	MG	1	3677	1/1	0.93	0.21	46,46,46,46	0
86	MG	5	3415	1/1	0.93	0.12	32,32,32,32	0
86	MG	5	3672	1/1	0.93	0.10	33,33,33,33	0
86	MG	1	3596	1/1	0.93	0.35	28,28,28,28	0
87	OHX	1	4203	7/7	0.93	0.14	123,123,123,123	0
86	MG	5	3677	1/1	0.93	0.12	41,41,41,41	0
86	MG	1	3790	1/1	0.93	0.14	35,35,35,35	0
86	MG	5	3681	1/1	0.93	0.20	46,46,46,46	0
86	MG	6	1927	1/1	0.93	0.27	50,50,50,50	0
86	MG	1	3451	1/1	0.93	0.33	41,41,41,41	0
86	MG	4	220	1/1	0.93	0.10	42,42,42,42	0
87	OHX	5	4178	7/7	0.93	0.08	182,182,182,182	0
86	MG	5	3879	1/1	0.93	0.32	43,43,43,43	0
86	MG	5	3422	1/1	0.93	0.15	41,41,41,41	0
86	MG	5	3691	1/1	0.93	0.16	47,47,47,47	0
86	MG	5	3883	1/1	0.93	0.28	26,26,26,26	0
86	MG	1	3852	1/1	0.93	0.29	52,52,52,52	0
86	MG	5	3693	1/1	0.93	0.18	46,46,46,46	0
86	MG	5	3694	1/1	0.93	0.13	47,47,47,47	0
86	MG	1	3685	1/1	0.93	0.28	51,51,51,51	0
86	MG	1	3598	1/1	0.93	0.34	27,27,27,27	0
86	MG	5	3547	1/1	0.93	0.28	44,44,44,44	0
86	MG	5	3699	1/1	0.93	0.21	50,50,50,50	0
86	MG	L3	401	1/1	0.93	0.25	34,34,34,34	0
86	MG	1	3462	1/1	0.93	0.26	29,29,29,29	0
86	MG	1	3435	1/1	0.93	0.18	43,43,43,43	0
87	OHX	1	3966	7/7	0.93	0.14	97,97,97,97	0
87	OHX	1	3969	7/7	0.93	0.12	114,114,114,114	0
86	MG	1	3747	1/1	0.93	0.18	28,28,28,28	0
87	OHX	1	4015	7/7	0.93	0.13	121,121,121,121	0
86	MG	1	3749	1/1	0.93	0.13	55,55,55,55	0
86	MG	5	3709	1/1	0.93	0.26	44,44,44,44	0
86	MG	5	3902	1/1	0.93	0.25	43,43,43,43	0
87	OHX	1	4035	7/7	0.93	0.14	123,123,123,123	0
86	MG	2	1940	1/1	0.93	0.21	62,62,62,62	0
87	OHX	1	4045	7/7	0.93	0.14	117,117,117,117	0
87	OHX	O3	201	7/7	0.93	0.19	109,109,109,109	0
87	OHX	6	2092	7/7	0.93	0.13	125,125,125,125	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
87	OHX	5	4209	7/7	0.93	0.17	117,117,117,117	0
87	OHX	1	4061	7/7	0.93	0.18	112,112,112,112	0
86	MG	5	3438	1/1	0.93	0.21	32,32,32,32	0
86	MG	5	4263	1/1	0.93	0.38	26,26,26,26	0
86	MG	5	3712	1/1	0.93	0.12	45,45,45,45	0
86	MG	5	4265	1/1	0.93	0.28	27,27,27,27	0
87	OHX	6	2129	7/7	0.93	0.11	141,141,141,141	0
87	OHX	6	2130	7/7	0.93	0.17	120,120,120,120	0
86	MG	6	2015	1/1	0.93	0.05	42,42,42,42	0
86	MG	1	3814	1/1	0.93	0.09	38,38,38,38	0
86	MG	1	3519	1/1	0.93	0.34	27,27,27,27	0
86	MG	7	205	1/1	0.93	0.35	31,31,31,31	0
86	MG	2	2000	1/1	0.93	0.21	81,81,81,81	0
87	OHX	5	4222	7/7	0.93	0.09	186,186,186,186	0
87	OHX	1	4079	7/7	0.93	0.14	119,119,119,119	0
86	MG	5	3567	1/1	0.93	0.33	42,42,42,42	0
86	MG	5	3568	1/1	0.93	0.30	28,28,28,28	0
86	MG	5	3449	1/1	0.93	0.23	31,31,31,31	0
87	OHX	6	2144	7/7	0.93	0.13	125,125,125,125	0
86	MG	6	1947	1/1	0.93	0.39	51,51,51,51	0
86	MG	1	3469	1/1	0.93	0.24	63,63,63,63	0
87	OHX	6	2149	7/7	0.93	0.18	111,111,111,111	0
87	OHX	1	4086	7/7	0.93	0.18	119,119,119,119	0
86	MG	1	3573	1/1	0.93	0.23	31,31,31,31	0
87	OHX	1	4088	7/7	0.93	0.14	122,122,122,122	0
87	OHX	1	4090	7/7	0.93	0.14	123,123,123,123	0
86	MG	1	4222	1/1	0.93	0.15	45,45,45,45	0
86	MG	5	3458	1/1	0.93	0.08	67,67,67,67	0
86	MG	1	4223	1/1	0.93	0.09	55,55,55,55	0
86	MG	5	3578	1/1	0.93	0.26	36,36,36,36	0
86	MG	5	3740	1/1	0.93	0.17	49,49,49,49	0
86	MG	1	4224	1/1	0.93	0.22	30,30,30,30	0
87	OHX	6	2161	7/7	0.93	0.14	124,124,124,124	0
86	MG	8	208	1/1	0.93	0.20	40,40,40,40	0
86	MG	1	4225	1/1	0.93	0.27	36,36,36,36	0
86	MG	5	3747	1/1	0.93	0.07	38,38,38,38	0
86	MG	1	3408	1/1	0.93	0.30	33,33,33,33	0
86	MG	1	3654	1/1	0.93	0.10	45,45,45,45	0
87	OHX	1	4107	7/7	0.93	0.15	117,117,117,117	0
86	MG	13	401	1/1	0.93	0.07	26,26,26,26	0
86	MG	1	3760	1/1	0.93	0.07	47,47,47,47	0
86	MG	5	3752	1/1	0.93	0.23	53,53,53,53	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
86	MG	5	3754	1/1	0.93	0.21	43,43,43,43	0
86	MG	1	3487	1/1	0.93	0.29	33,33,33,33	0
86	MG	1	3549	1/1	0.93	0.30	44,44,44,44	0
86	MG	5	3596	1/1	0.93	0.31	38,38,38,38	0
86	MG	6	2034	1/1	0.93	0.26	60,60,60,60	0
86	MG	1	3489	1/1	0.93	0.13	51,51,51,51	0
86	MG	m7	202	1/1	0.93	0.16	32,32,32,32	0
87	OHX	1	4121	7/7	0.93	0.15	122,122,122,122	0
86	MG	5	3600	1/1	0.93	0.16	40,40,40,40	0
86	MG	N8	204	1/1	0.93	0.26	40,40,40,40	0
86	MG	5	3771	1/1	0.93	0.13	40,40,40,40	0
87	OHX	8	224	7/7	0.93	0.12	135,135,135,135	0
86	MG	5	3477	1/1	0.93	0.21	26,26,26,26	0
86	MG	5	3604	1/1	0.93	0.17	46,46,46,46	0
87	OHX	l3	404	7/7	0.93	0.13	132,132,132,132	0
87	OHX	1	4128	7/7	0.93	0.13	140,140,140,140	0
86	MG	5	3605	1/1	0.93	0.16	43,43,43,43	0
86	MG	5	3606	1/1	0.93	0.12	40,40,40,40	0
86	MG	1	3551	1/1	0.93	0.27	38,38,38,38	0
86	MG	5	3611	1/1	0.93	0.20	34,34,34,34	0
86	MG	o1	201	1/1	0.93	0.10	42,42,42,42	0
86	MG	1	3552	1/1	0.93	0.34	32,32,32,32	0
86	MG	o3	201	1/1	0.93	0.13	34,34,34,34	0
86	MG	1	3528	1/1	0.93	0.42	31,31,31,31	0
86	MG	6	2040	1/1	0.93	0.27	48,48,48,48	0
86	MG	1	3711	1/1	0.93	0.08	37,37,37,37	0
86	MG	5	3621	1/1	0.93	0.24	41,41,41,41	0
87	OHX	2	2081	7/7	0.93	0.14	126,126,126,126	0
87	OHX	2	2088	7/7	0.93	0.15	122,122,122,122	0
86	MG	1	3444	1/1	0.94	0.32	58,58,58,58	0
86	MG	1	3460	1/1	0.94	0.31	31,31,31,31	0
86	MG	5	3732	1/1	0.94	0.29	30,30,30,30	0
86	MG	2	1967	1/1	0.94	0.37	61,61,61,61	0
86	MG	1	3486	1/1	0.94	0.23	39,39,39,39	0
87	OHX	1	4102	7/7	0.94	0.18	107,107,107,107	0
86	MG	5	3452	1/1	0.94	0.44	44,44,44,44	0
86	MG	5	3576	1/1	0.94	0.25	26,26,26,26	0
86	MG	1	3763	1/1	0.94	0.14	39,39,39,39	0
86	MG	6	1931	1/1	0.94	0.43	58,58,58,58	0
86	MG	5	3579	1/1	0.94	0.43	41,41,41,41	0
86	MG	l2	301	1/1	0.94	0.35	47,47,47,47	0
87	OHX	1	4110	7/7	0.94	0.15	110,110,110,110	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
86	MG	1	3447	1/1	0.94	0.21	41,41,41,41	0
86	MG	5	3746	1/1	0.94	0.31	32,32,32,32	0
86	MG	14	401	1/1	0.94	0.14	35,35,35,35	0
86	MG	5	3582	1/1	0.94	0.29	33,33,33,33	0
86	MG	5	3457	1/1	0.94	0.26	33,33,33,33	0
86	MG	1	3643	1/1	0.94	0.14	38,38,38,38	0
86	MG	1	3509	1/1	0.94	0.34	25,25,25,25	0
86	MG	1	3602	1/1	0.94	0.23	27,27,27,27	0
86	MG	5	3753	1/1	0.94	0.11	50,50,50,50	0
87	OHX	1	4120	7/7	0.94	0.12	125,125,125,125	0
86	MG	5	3461	1/1	0.94	0.27	42,42,42,42	0
86	MG	5	3593	1/1	0.94	0.31	26,26,26,26	0
87	OHX	1	4123	7/7	0.94	0.16	105,105,105,105	0
86	MG	5	3462	1/1	0.94	0.31	32,32,32,32	0
87	OHX	5	3934	7/7	0.94	0.17	100,100,100,100	0
86	MG	1	3603	1/1	0.94	0.26	31,31,31,31	0
86	MG	1	3488	1/1	0.94	0.16	35,35,35,35	0
87	OHX	5	4011	7/7	0.94	0.12	112,112,112,112	0
86	MG	5	3465	1/1	0.94	0.23	58,58,58,58	0
87	OHX	5	4029	7/7	0.94	0.13	104,104,104,104	0
87	OHX	5	4032	7/7	0.94	0.15	105,105,105,105	0
86	MG	n3	202	1/1	0.94	0.10	46,46,46,46	0
87	OHX	5	4036	7/7	0.94	0.15	113,113,113,113	0
87	OHX	5	4043	7/7	0.94	0.11	112,112,112,112	0
86	MG	6	2025	1/1	0.94	0.29	59,59,59,59	0
86	MG	5	3601	1/1	0.94	0.18	40,40,40,40	0
87	OHX	5	4057	7/7	0.94	0.14	104,104,104,104	0
86	MG	5	3769	1/1	0.94	0.07	59,59,59,59	0
86	MG	5	3467	1/1	0.94	0.09	33,33,33,33	0
87	OHX	5	4075	7/7	0.94	0.10	138,138,138,138	0
87	OHX	5	4076	7/7	0.94	0.14	119,119,119,119	0
86	MG	5	3468	1/1	0.94	0.13	37,37,37,37	0
87	OHX	5	4079	7/7	0.94	0.13	111,111,111,111	0
87	OHX	5	4088	7/7	0.94	0.17	102,102,102,102	0
87	OHX	5	4090	7/7	0.94	0.10	134,134,134,134	0
87	OHX	5	4091	7/7	0.94	0.14	112,112,112,112	0
87	OHX	5	4092	7/7	0.94	0.14	116,116,116,116	0
86	MG	1	3650	1/1	0.94	0.17	46,46,46,46	0
86	MG	1	3847	1/1	0.94	0.31	34,34,34,34	0
86	MG	5	3776	1/1	0.94	0.15	30,30,30,30	0
86	MG	1	3606	1/1	0.94	0.15	39,39,39,39	0
86	MG	1	3608	1/1	0.94	0.26	49,49,49,49	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
87	OHX	5	4102	7/7	0.94	0.12	117,117,117,117	0
86	MG	5	3608	1/1	0.94	0.24	29,29,29,29	0
86	MG	5	3473	1/1	0.94	0.28	61,61,61,61	0
87	OHX	2	2040	7/7	0.94	0.15	98,98,98,98	0
86	MG	5	3474	1/1	0.94	0.33	48,48,48,48	0
87	OHX	2	2075	7/7	0.94	0.12	138,138,138,138	0
87	OHX	2	2076	7/7	0.94	0.14	121,121,121,121	0
86	MG	L7	301	1/1	0.94	0.10	42,42,42,42	0
86	MG	5	3616	1/1	0.94	0.09	41,41,41,41	0
86	MG	5	3787	1/1	0.94	0.21	56,56,56,56	0
86	MG	1	3540	1/1	0.94	0.34	26,26,26,26	0
87	OHX	5	4114	7/7	0.94	0.15	111,111,111,111	0
86	MG	1	3567	1/1	0.94	0.34	33,33,33,33	0
87	OHX	2	2098	7/7	0.94	0.10	145,145,145,145	0
86	MG	1	3512	1/1	0.94	0.39	41,41,41,41	0
87	OHX	5	4120	7/7	0.94	0.19	101,101,101,101	0
86	MG	5	3792	1/1	0.94	0.21	48,48,48,48	0
87	OHX	5	4122	7/7	0.94	0.15	115,115,115,115	0
86	MG	5	3793	1/1	0.94	0.22	24,24,24,24	0
87	OHX	5	4124	7/7	0.94	0.17	99,99,99,99	0
87	OHX	2	2104	7/7	0.94	0.08	197,197,197,197	0
86	MG	1	3464	1/1	0.94	0.12	36,36,36,36	0
87	OHX	1	4156	7/7	0.94	0.14	126,126,126,126	0
87	OHX	5	4129	7/7	0.94	0.12	132,132,132,132	0
86	MG	5	3795	1/1	0.94	0.14	52,52,52,52	0
86	MG	1	3515	1/1	0.94	0.35	30,30,30,30	0
87	OHX	5	4132	7/7	0.94	0.10	147,147,147,147	0
87	OHX	5	4134	7/7	0.94	0.13	124,124,124,124	0
86	MG	1	3421	1/1	0.94	0.32	38,38,38,38	0
86	MG	1	3412	1/1	0.94	0.26	38,38,38,38	0
86	MG	1	3661	1/1	0.94	0.23	35,35,35,35	0
86	MG	5	3486	1/1	0.94	0.32	47,47,47,47	0
86	MG	5	3804	1/1	0.94	0.18	69,69,69,69	0
87	OHX	5	4142	7/7	0.94	0.15	114,114,114,114	0
86	MG	5	3631	1/1	0.94	0.08	46,46,46,46	0
86	MG	M6	201	1/1	0.94	0.15	47,47,47,47	0
86	MG	1	3787	1/1	0.94	0.14	43,43,43,43	0
86	MG	M7	202	1/1	0.94	0.36	31,31,31,31	0
87	OHX	2	2124	7/7	0.94	0.13	136,136,136,136	0
86	MG	1	3719	1/1	0.94	0.21	40,40,40,40	0
87	OHX	5	4150	7/7	0.94	0.14	128,128,128,128	0
86	MG	1	3720	1/1	0.94	0.06	35,35,35,35	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
87	OHX	2	2127	7/7	0.94	0.12	133,133,133,133	0
87	OHX	5	4153	7/7	0.94	0.17	112,112,112,112	0
86	MG	1	3791	1/1	0.94	0.28	28,28,28,28	0
86	MG	s1	301	1/1	0.94	0.18	75,75,75,75	0
86	MG	1	3619	1/1	0.94	0.28	53,53,53,53	0
86	MG	s8	302	1/1	0.94	0.20	51,51,51,51	0
87	OHX	2	2133	7/7	0.94	0.11	146,146,146,146	0
86	MG	N3	201	1/1	0.94	0.23	33,33,33,33	0
86	MG	1	3794	1/1	0.94	0.07	55,55,55,55	0
86	MG	2	1920	1/1	0.94	0.22	60,60,60,60	0
86	MG	1	3796	1/1	0.94	0.23	41,41,41,41	0
86	MG	5	3827	1/1	0.94	0.06	38,38,38,38	0
86	MG	1	3797	1/1	0.94	0.16	27,27,27,27	0
86	MG	1	3798	1/1	0.94	0.15	49,49,49,49	0
86	MG	5	3830	1/1	0.94	0.14	46,46,46,46	0
86	MG	6	1973	1/1	0.94	0.19	52,52,52,52	0
86	MG	1	3414	1/1	0.94	0.27	35,35,35,35	0
86	MG	5	3835	1/1	0.94	0.19	46,46,46,46	0
86	MG	5	3837	1/1	0.94	0.14	55,55,55,55	0
86	MG	d6	102	1/1	0.94	0.14	50,50,50,50	0
86	MG	5	3509	1/1	0.94	0.28	41,41,41,41	0
86	MG	5	3513	1/1	0.94	0.25	51,51,51,51	0
86	MG	5	3844	1/1	0.94	0.08	60,60,60,60	0
86	MG	O1	201	1/1	0.94	0.29	62,62,62,62	0
86	MG	6	1976	1/1	0.94	0.14	44,44,44,44	0
86	MG	5	3661	1/1	0.94	0.11	48,48,48,48	0
86	MG	5	3516	1/1	0.94	0.18	32,32,32,32	0
86	MG	O4	201	1/1	0.94	0.13	59,59,59,59	0
86	MG	5	3518	1/1	0.94	0.36	26,26,26,26	0
86	MG	1	3622	1/1	0.94	0.18	41,41,41,41	0
86	MG	5	3858	1/1	0.94	0.30	50,50,50,50	0
86	MG	O7	103	1/1	0.94	0.27	36,36,36,36	0
86	MG	1	3801	1/1	0.94	0.10	48,48,48,48	0
86	MG	1	3802	1/1	0.94	0.16	88,88,88,88	0
86	MG	5	3671	1/1	0.94	0.17	38,38,38,38	0
86	MG	1	3548	1/1	0.94	0.22	43,43,43,43	0
86	MG	5	3673	1/1	0.94	0.27	51,51,51,51	0
86	MG	6	1903	1/1	0.94	0.34	47,47,47,47	0
86	MG	5	3676	1/1	0.94	0.34	44,44,44,44	0
86	MG	5	3870	1/1	0.94	0.32	68,68,68,68	0
87	OHX	2	2168	7/7	0.94	0.10	153,153,153,153	0
87	OHX	2	2169	7/7	0.94	0.17	117,117,117,117	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
86	MG	1	3728	1/1	0.94	0.17	62,62,62,62	0
86	MG	1	3731	1/1	0.94	0.12	35,35,35,35	0
86	MG	5	3874	1/1	0.94	0.29	28,28,28,28	0
86	MG	5	3530	1/1	0.94	0.24	30,30,30,30	0
86	MG	6	1988	1/1	0.94	0.14	76,76,76,76	0
86	MG	5	3535	1/1	0.94	0.27	37,37,37,37	0
87	OHX	4	232	7/7	0.94	0.10	140,140,140,140	0
86	MG	5	3536	1/1	0.94	0.36	35,35,35,35	0
86	MG	5	3686	1/1	0.94	0.12	50,50,50,50	0
86	MG	5	3416	1/1	0.94	0.22	28,28,28,28	0
86	MG	5	3688	1/1	0.94	0.22	72,72,72,72	0
86	MG	5	3884	1/1	0.94	0.24	33,33,33,33	0
86	MG	5	3885	1/1	0.94	0.21	38,38,38,38	0
86	MG	5	3886	1/1	0.94	0.31	55,55,55,55	0
86	MG	5	3689	1/1	0.94	0.12	44,44,44,44	0
87	OHX	C5	201	7/7	0.94	0.10	159,159,159,159	0
86	MG	5	3690	1/1	0.94	0.15	40,40,40,40	0
87	OHX	1	3955	7/7	0.94	0.12	103,103,103,103	0
86	MG	5	3890	1/1	0.94	0.29	59,59,59,59	0
87	OHX	6	2074	7/7	0.94	0.14	106,106,106,106	0
87	OHX	6	2082	7/7	0.94	0.11	126,126,126,126	0
86	MG	1	3472	1/1	0.94	0.18	42,42,42,42	0
87	OHX	6	2097	7/7	0.94	0.11	157,157,157,157	0
87	OHX	6	2100	7/7	0.94	0.15	110,110,110,110	0
86	MG	2	1956	1/1	0.94	0.41	59,59,59,59	0
87	OHX	1	4000	7/7	0.94	0.12	159,159,159,159	0
87	OHX	1	4002	7/7	0.94	0.15	108,108,108,108	0
87	OHX	6	2122	7/7	0.94	0.14	125,125,125,125	0
87	OHX	6	2123	7/7	0.94	0.14	128,128,128,128	0
87	OHX	1	4004	7/7	0.94	0.15	108,108,108,108	0
87	OHX	1	4005	7/7	0.94	0.16	97,97,97,97	0
87	OHX	6	2126	7/7	0.94	0.13	135,135,135,135	0
86	MG	3	210	1/1	0.94	0.19	64,64,64,64	0
87	OHX	1	4010	7/7	0.94	0.16	101,101,101,101	0
87	OHX	1	4012	7/7	0.94	0.14	116,116,116,116	0
86	MG	1	3454	1/1	0.94	0.24	35,35,35,35	0
87	OHX	1	4019	7/7	0.94	0.14	109,109,109,109	0
86	MG	2	1906	1/1	0.94	0.26	49,49,49,49	0
87	OHX	1	4022	7/7	0.94	0.12	122,122,122,122	0
87	OHX	6	2137	7/7	0.94	0.14	127,127,127,127	0
86	MG	6	1912	1/1	0.94	0.35	50,50,50,50	0
87	OHX	1	4026	7/7	0.94	0.11	132,132,132,132	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
87	OHX	1	4027	7/7	0.94	0.11	132,132,132,132	0
86	MG	1	3674	1/1	0.94	0.24	28,28,28,28	0
87	OHX	1	4033	7/7	0.94	0.12	126,126,126,126	0
87	OHX	6	2145	7/7	0.94	0.17	107,107,107,107	0
86	MG	1	3740	1/1	0.94	0.21	57,57,57,57	0
86	MG	1	3741	1/1	0.94	0.14	52,52,52,52	0
87	OHX	1	4040	7/7	0.94	0.12	138,138,138,138	0
87	OHX	1	4041	7/7	0.94	0.15	112,112,112,112	0
86	MG	1	3418	1/1	0.94	0.32	48,48,48,48	0
87	OHX	1	4049	7/7	0.94	0.16	103,103,103,103	0
87	OHX	1	4053	7/7	0.94	0.15	106,106,106,106	0
87	OHX	1	4054	7/7	0.94	0.13	111,111,111,111	0
87	OHX	1	4060	7/7	0.94	0.18	97,97,97,97	0
86	MG	5	3703	1/1	0.94	0.10	40,40,40,40	0
87	OHX	1	4064	7/7	0.94	0.09	140,140,140,140	0
86	MG	1	3745	1/1	0.94	0.10	44,44,44,44	0
86	MG	1	3631	1/1	0.94	0.13	39,39,39,39	0
87	OHX	7	222	7/7	0.94	0.11	126,126,126,126	0
86	MG	5	3554	1/1	0.94	0.46	48,48,48,48	0
87	OHX	7	224	7/7	0.94	0.16	105,105,105,105	0
86	MG	1	3633	1/1	0.94	0.12	31,31,31,31	0
86	MG	1	3680	1/1	0.94	0.23	63,63,63,63	0
87	OHX	6	2164	7/7	0.94	0.12	133,133,133,133	0
86	MG	1	3681	1/1	0.94	0.26	61,61,61,61	0
86	MG	7	201	1/1	0.94	0.34	38,38,38,38	0
86	MG	1	3527	1/1	0.94	0.26	30,30,30,30	0
86	MG	5	3714	1/1	0.94	0.18	40,40,40,40	0
86	MG	5	3439	1/1	0.94	0.33	38,38,38,38	0
86	MG	5	3561	1/1	0.94	0.29	34,34,34,34	0
86	MG	7	206	1/1	0.94	0.10	43,43,43,43	0
87	OHX	1	4082	7/7	0.94	0.15	114,114,114,114	0
86	MG	5	3719	1/1	0.94	0.20	63,63,63,63	0
86	MG	1	3430	1/1	0.94	0.30	44,44,44,44	0
86	MG	5	3441	1/1	0.94	0.13	32,32,32,32	0
86	MG	7	210	1/1	0.94	0.16	63,63,63,63	0
86	MG	5	3724	1/1	0.94	0.14	37,37,37,37	0
86	MG	7	212	1/1	0.94	0.09	42,42,42,42	0
86	MG	5	3442	1/1	0.94	0.21	26,26,26,26	0
86	MG	1	3409	1/1	0.94	0.19	31,31,31,31	0
86	MG	5	3444	1/1	0.94	0.30	41,41,41,41	0
87	OHX	1	4094	7/7	0.94	0.10	146,146,146,146	0
88	ZN	q2	501	1/1	0.94	0.16	70,70,70,70	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
86	MG	5	3817	1/1	0.95	0.16	45,45,45,45	0
86	MG	5	3594	1/1	0.95	0.34	33,33,33,33	0
87	OHX	5	4078	7/7	0.95	0.15	108,108,108,108	0
86	MG	5	3819	1/1	0.95	0.09	53,53,53,53	0
87	OHX	5	4080	7/7	0.95	0.13	110,110,110,110	0
87	OHX	5	4081	7/7	0.95	0.16	113,113,113,113	0
87	OHX	5	4082	7/7	0.95	0.13	116,116,116,116	0
87	OHX	5	4083	7/7	0.95	0.09	157,157,157,157	0
87	OHX	5	4085	7/7	0.95	0.15	119,119,119,119	0
87	OHX	1	4013	7/7	0.95	0.10	124,124,124,124	0
87	OHX	1	4014	7/7	0.95	0.13	119,119,119,119	0
86	MG	1	3706	1/1	0.95	0.16	59,59,59,59	0
87	OHX	1	4016	7/7	0.95	0.10	130,130,130,130	0
87	OHX	5	4093	7/7	0.95	0.13	116,116,116,116	0
86	MG	n0	202	1/1	0.95	0.14	48,48,48,48	0
86	MG	5	3696	1/1	0.95	0.09	48,48,48,48	0
87	OHX	1	4198	7/7	0.95	0.10	166,166,166,166	0
87	OHX	1	4021	7/7	0.95	0.12	113,113,113,113	0
86	MG	1	3707	1/1	0.95	0.12	40,40,40,40	0
87	OHX	5	4101	7/7	0.95	0.12	121,121,121,121	0
86	MG	5	3825	1/1	0.95	0.13	60,60,60,60	0
86	MG	6	1944	1/1	0.95	0.39	62,62,62,62	0
86	MG	1	3425	1/1	0.95	0.21	33,33,33,33	0
86	MG	5	3424	1/1	0.95	0.19	42,42,42,42	0
87	OHX	1	4032	7/7	0.95	0.11	123,123,123,123	0
86	MG	1	3762	1/1	0.95	0.17	48,48,48,48	0
86	MG	1	3581	1/1	0.95	0.28	38,38,38,38	0
86	MG	5	3428	1/1	0.95	0.21	28,28,28,28	0
86	MG	D3	201	1/1	0.95	0.23	54,54,54,54	0
87	OHX	5	4111	7/7	0.95	0.13	128,128,128,128	0
86	MG	5	3706	1/1	0.95	0.06	47,47,47,47	0
86	MG	5	3507	1/1	0.95	0.40	34,34,34,34	0
87	OHX	1	4046	7/7	0.95	0.16	98,98,98,98	0
87	OHX	1	4047	7/7	0.95	0.13	107,107,107,107	0
87	OHX	1	4048	7/7	0.95	0.12	107,107,107,107	0
86	MG	q0	202	1/1	0.95	0.10	43,43,43,43	0
87	OHX	5	4119	7/7	0.95	0.14	117,117,117,117	0
87	OHX	1	4052	7/7	0.95	0.10	128,128,128,128	0
86	MG	1	3766	1/1	0.95	0.27	46,46,46,46	0
87	OHX	3	221	7/7	0.95	0.12	122,122,122,122	0
86	MG	5	3510	1/1	0.95	0.35	31,31,31,31	0
87	OHX	1	4055	7/7	0.95	0.11	128,128,128,128	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
87	OHX	1	4058	7/7	0.95	0.18	100,100,100,100	0
86	MG	SM	301	1/1	0.95	0.10	52,52,52,52	0
86	MG	5	3609	1/1	0.95	0.26	31,31,31,31	0
87	OHX	5	4128	7/7	0.95	0.09	140,140,140,140	0
87	OHX	4	231	7/7	0.95	0.10	114,114,114,114	0
87	OHX	1	4063	7/7	0.95	0.12	121,121,121,121	0
86	MG	5	3713	1/1	0.95	0.16	86,86,86,86	0
86	MG	6	1953	1/1	0.95	0.46	58,58,58,58	0
87	OHX	2	2077	7/7	0.95	0.12	114,114,114,114	0
87	OHX	2	2078	7/7	0.95	0.11	121,121,121,121	0
87	OHX	2	2080	7/7	0.95	0.10	153,153,153,153	0
87	OHX	5	4138	7/7	0.95	0.12	110,110,110,110	0
87	OHX	L3	403	7/7	0.95	0.12	106,106,106,106	0
86	MG	5	3850	1/1	0.95	0.14	34,34,34,34	0
87	OHX	1	4072	7/7	0.95	0.15	119,119,119,119	0
87	OHX	2	2084	7/7	0.95	0.14	117,117,117,117	0
87	OHX	5	4143	7/7	0.95	0.11	131,131,131,131	0
87	OHX	2	2085	7/7	0.95	0.11	135,135,135,135	0
86	MG	5	3613	1/1	0.95	0.07	34,34,34,34	0
87	OHX	2	2089	7/7	0.95	0.13	107,107,107,107	0
87	OHX	1	4078	7/7	0.95	0.13	115,115,115,115	0
87	OHX	6	2061	7/7	0.95	0.14	96,96,96,96	0
86	MG	5	3434	1/1	0.95	0.20	31,31,31,31	0
86	MG	6	1954	1/1	0.95	0.28	43,43,43,43	0
86	MG	5	3720	1/1	0.95	0.14	40,40,40,40	0
86	MG	5	3855	1/1	0.95	0.20	48,48,48,48	0
87	OHX	2	2099	7/7	0.95	0.13	114,114,114,114	0
86	MG	6	2023	1/1	0.95	0.10	83,83,83,83	0
87	OHX	6	2103	7/7	0.95	0.14	109,109,109,109	0
86	MG	1	3466	1/1	0.95	0.21	51,51,51,51	0
87	OHX	6	2105	7/7	0.95	0.14	107,107,107,107	0
87	OHX	6	2108	7/7	0.95	0.12	120,120,120,120	0
87	OHX	6	2113	7/7	0.95	0.12	120,120,120,120	0
86	MG	6	1956	1/1	0.95	0.38	46,46,46,46	0
87	OHX	6	2116	7/7	0.95	0.11	130,130,130,130	0
87	OHX	6	2118	7/7	0.95	0.14	103,103,103,103	0
87	OHX	6	2119	7/7	0.95	0.10	135,135,135,135	0
87	OHX	6	2120	7/7	0.95	0.12	134,134,134,134	0
86	MG	5	3620	1/1	0.95	0.13	42,42,42,42	0
86	MG	6	1957	1/1	0.95	0.37	54,54,54,54	0
86	MG	5	3863	1/1	0.95	0.12	46,46,46,46	0
87	OHX	2	2107	7/7	0.95	0.13	112,112,112,112	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
86	MG	1	3520	1/1	0.95	0.31	38,38,38,38	0
86	MG	1	3716	1/1	0.95	0.07	40,40,40,40	0
87	OHX	1	4095	7/7	0.95	0.15	113,113,113,113	0
87	OHX	2	2113	7/7	0.95	0.11	128,128,128,128	0
87	OHX	1	4097	7/7	0.95	0.10	134,134,134,134	0
86	MG	6	2029	1/1	0.95	0.30	62,62,62,62	0
86	MG	5	3626	1/1	0.95	0.24	29,29,29,29	0
86	MG	1	3611	1/1	0.95	0.15	41,41,41,41	0
86	MG	5	3734	1/1	0.95	0.19	52,52,52,52	0
86	MG	5	3872	1/1	0.95	0.20	35,35,35,35	0
86	MG	1	3467	1/1	0.95	0.15	44,44,44,44	0
87	OHX	2	2121	7/7	0.95	0.11	140,140,140,140	0
86	MG	1	3613	1/1	0.95	0.14	45,45,45,45	0
86	MG	5	3737	1/1	0.95	0.10	39,39,39,39	0
86	MG	5	3630	1/1	0.95	0.22	35,35,35,35	0
86	MG	5	3877	1/1	0.95	0.37	51,51,51,51	0
87	OHX	1	4109	7/7	0.95	0.09	140,140,140,140	0
86	MG	1	3587	1/1	0.95	0.28	47,47,47,47	0
86	MG	5	3533	1/1	0.95	0.20	35,35,35,35	0
86	MG	5	3880	1/1	0.95	0.36	43,43,43,43	0
86	MG	1	3615	1/1	0.95	0.25	42,42,42,42	0
87	OHX	6	2153	7/7	0.95	0.13	109,109,109,109	0
86	MG	1	3678	1/1	0.95	0.18	46,46,46,46	0
86	MG	5	3743	1/1	0.95	0.18	38,38,38,38	0
86	MG	5	3744	1/1	0.95	0.09	55,55,55,55	0
86	MG	4	205	1/1	0.95	0.34	44,44,44,44	0
86	MG	1	3588	1/1	0.95	0.30	36,36,36,36	0
86	MG	1	3780	1/1	0.95	0.22	56,56,56,56	0
86	MG	5	3456	1/1	0.95	0.27	26,26,26,26	0
86	MG	5	3750	1/1	0.95	0.14	58,58,58,58	0
86	MG	5	3639	1/1	0.95	0.31	44,44,44,44	0
86	MG	1	3589	1/1	0.95	0.35	30,30,30,30	0
86	MG	1	3647	1/1	0.95	0.18	37,37,37,37	0
86	MG	1	3484	1/1	0.95	0.10	47,47,47,47	0
86	MG	5	3643	1/1	0.95	0.10	44,44,44,44	0
87	OHX	5	4208	7/7	0.95	0.12	114,114,114,114	0
86	MG	1	3729	1/1	0.95	0.32	36,36,36,36	0
86	MG	2	1935	1/1	0.95	0.34	53,53,53,53	0
86	MG	5	3759	1/1	0.95	0.22	59,59,59,59	0
86	MG	1	3786	1/1	0.95	0.24	33,33,33,33	0
86	MG	5	3762	1/1	0.95	0.11	50,50,50,50	0
86	MG	5	3647	1/1	0.95	0.19	33,33,33,33	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
86	MG	5	3548	1/1	0.95	0.37	47,47,47,47	0
86	MG	1	3448	1/1	0.95	0.14	34,34,34,34	0
86	MG	2	2003	1/1	0.95	0.16	79,79,79,79	0
86	MG	5	3770	1/1	0.95	0.19	41,41,41,41	0
86	MG	1	3736	1/1	0.95	0.16	40,40,40,40	0
86	MG	1	3471	1/1	0.95	0.10	41,41,41,41	0
86	MG	1	3566	1/1	0.95	0.26	35,35,35,35	0
86	MG	1	3690	1/1	0.95	0.39	57,57,57,57	0
86	MG	1	3403	1/1	0.95	0.31	34,34,34,34	0
87	OHX	5	4224	7/7	0.95	0.12	101,101,101,101	0
86	MG	5	3659	1/1	0.95	0.16	47,47,47,47	0
86	MG	4	221	1/1	0.95	0.35	54,54,54,54	0
86	MG	5	3558	1/1	0.95	0.29	26,26,26,26	0
86	MG	2	2021	1/1	0.95	0.14	82,82,82,82	0
86	MG	1	3657	1/1	0.95	0.18	35,35,35,35	0
86	MG	1	3857	1/1	0.95	0.21	22,22,22,22	0
86	MG	1	3858	1/1	0.95	0.31	71,71,71,71	0
86	MG	1	3743	1/1	0.95	0.17	52,52,52,52	0
86	MG	1	3695	1/1	0.95	0.15	41,41,41,41	0
86	MG	1	3746	1/1	0.95	0.17	53,53,53,53	0
86	MG	5	3401	1/1	0.95	0.20	54,54,54,54	0
86	MG	1	3461	1/1	0.95	0.28	26,26,26,26	0
86	MG	6	1928	1/1	0.95	0.34	67,67,67,67	0
86	MG	5	3674	1/1	0.95	0.26	29,29,29,29	0
86	MG	1	3434	1/1	0.95	0.09	44,44,44,44	0
86	MG	M0	301	1/1	0.95	0.16	43,43,43,43	0
87	OHX	5	4241	7/7	0.95	0.14	101,101,101,101	0
86	MG	1	3476	1/1	0.95	0.15	33,33,33,33	0
87	OHX	1	4159	7/7	0.95	0.15	121,121,121,121	0
86	MG	5	3798	1/1	0.95	0.15	40,40,40,40	0
86	MG	5	3410	1/1	0.95	0.28	52,52,52,52	0
86	MG	1	3477	1/1	0.95	0.24	46,46,46,46	0
86	MG	5	3682	1/1	0.95	0.08	36,36,36,36	0
86	MG	5	3802	1/1	0.95	0.10	39,39,39,39	0
86	MG	1	3663	1/1	0.95	0.13	46,46,46,46	0
86	MG	1	3702	1/1	0.95	0.07	45,45,45,45	0
86	MG	1	4219	1/1	0.95	0.20	26,26,26,26	0
87	OHX	c8	202	7/7	0.95	0.11	129,129,129,129	0
86	MG	M5	301	1/1	0.95	0.20	38,38,38,38	0
87	OHX	1	3899	7/7	0.95	0.15	97,97,97,97	0
87	OHX	sR	401	7/7	0.95	0.10	153,153,153,153	0
87	OHX	1	3914	7/7	0.95	0.18	88,88,88,88	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
87	OHX	1	3924	7/7	0.95	0.12	110,110,110,110	0
87	OHX	1	3932	7/7	0.95	0.14	95,95,95,95	0
87	OHX	1	3950	7/7	0.95	0.12	85,85,85,85	0
87	OHX	1	3953	7/7	0.95	0.13	115,115,115,115	0
87	OHX	5	4026	7/7	0.95	0.13	99,99,99,99	0
86	MG	1	3810	1/1	0.95	0.08	50,50,50,50	0
86	MG	5	3493	1/1	0.95	0.12	45,45,45,45	0
87	OHX	8	218	7/7	0.95	0.15	110,110,110,110	0
87	OHX	8	221	7/7	0.95	0.13	116,116,116,116	0
86	MG	5	3587	1/1	0.95	0.36	23,23,23,23	0
86	MG	5	3494	1/1	0.95	0.11	34,34,34,34	0
87	OHX	5	4038	7/7	0.95	0.14	105,105,105,105	0
87	OHX	5	4042	7/7	0.95	0.10	120,120,120,120	0
87	OHX	1	3983	7/7	0.95	0.14	107,107,107,107	0
87	OHX	5	4047	7/7	0.95	0.11	144,144,144,144	0
87	OHX	1	3986	7/7	0.95	0.12	100,100,100,100	0
87	OHX	1	3988	7/7	0.95	0.16	98,98,98,98	0
87	OHX	5	4054	7/7	0.95	0.12	109,109,109,109	0
86	MG	1	3813	1/1	0.95	0.09	50,50,50,50	0
87	OHX	5	4058	7/7	0.95	0.13	100,100,100,100	0
87	OHX	5	4059	7/7	0.95	0.17	98,98,98,98	0
87	OHX	m0	301	7/7	0.95	0.12	121,121,121,121	0
87	OHX	5	4060	7/7	0.95	0.14	101,101,101,101	0
87	OHX	5	4064	7/7	0.95	0.11	134,134,134,134	0
87	OHX	5	4067	7/7	0.95	0.15	98,98,98,98	0
86	MG	m5	302	1/1	0.95	0.17	39,39,39,39	0
86	MG	1	3632	1/1	0.95	0.10	32,32,32,32	0
87	OHX	5	4071	7/7	0.95	0.13	110,110,110,110	0
87	OHX	5	4073	7/7	0.95	0.11	123,123,123,123	0
87	OHX	5	4074	7/7	0.95	0.13	104,104,104,104	0
86	MG	1	3665	1/1	0.95	0.18	48,48,48,48	0
89	ANM	5	4260	19/19	0.95	0.10	31,31,31,31	0
87	OHX	2	2065	7/7	0.96	0.14	107,107,107,107	0
87	OHX	2	2066	7/7	0.96	0.10	130,130,130,130	0
87	OHX	2	2067	7/7	0.96	0.09	134,134,134,134	0
87	OHX	6	2121	7/7	0.96	0.13	103,103,103,103	0
86	MG	5	3563	1/1	0.96	0.30	28,28,28,28	0
87	OHX	SR	401	7/7	0.96	0.08	156,156,156,156	0
87	OHX	2	2073	7/7	0.96	0.08	135,135,135,135	0
86	MG	5	3564	1/1	0.96	0.43	36,36,36,36	0
86	MG	6	2013	1/1	0.96	0.22	42,42,42,42	0
87	OHX	6	2127	7/7	0.96	0.09	130,130,130,130	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
86	MG	5	3566	1/1	0.96	0.20	24,24,24,24	0
87	OHX	1	3939	7/7	0.96	0.12	97,97,97,97	0
87	OHX	1	3943	7/7	0.96	0.11	98,98,98,98	0
87	OHX	1	3949	7/7	0.96	0.11	101,101,101,101	0
86	MG	5	3888	1/1	0.96	0.22	28,28,28,28	0
87	OHX	1	3952	7/7	0.96	0.11	122,122,122,122	0
87	OHX	6	2135	7/7	0.96	0.14	117,117,117,117	0
87	OHX	2	2079	7/7	0.96	0.15	116,116,116,116	0
86	MG	1	3533	1/1	0.96	0.24	36,36,36,36	0
86	MG	1	3713	1/1	0.96	0.10	51,51,51,51	0
87	OHX	1	3965	7/7	0.96	0.09	118,118,118,118	0
87	OHX	2	2082	7/7	0.96	0.09	138,138,138,138	0
87	OHX	5	4133	7/7	0.96	0.09	134,134,134,134	0
86	MG	1	3600	1/1	0.96	0.35	24,24,24,24	0
87	OHX	6	2143	7/7	0.96	0.12	124,124,124,124	0
87	OHX	1	3976	7/7	0.96	0.12	102,102,102,102	0
87	OHX	5	4137	7/7	0.96	0.09	134,134,134,134	0
87	OHX	1	3980	7/7	0.96	0.17	85,85,85,85	0
86	MG	1	3513	1/1	0.96	0.30	25,25,25,25	0
87	OHX	6	2147	7/7	0.96	0.15	105,105,105,105	0
87	OHX	2	2086	7/7	0.96	0.13	109,109,109,109	0
86	MG	1	3570	1/1	0.96	0.29	26,26,26,26	0
87	OHX	1	3991	7/7	0.96	0.11	115,115,115,115	0
87	OHX	1	3993	7/7	0.96	0.12	105,105,105,105	0
87	OHX	1	3994	7/7	0.96	0.13	101,101,101,101	0
87	OHX	1	3995	7/7	0.96	0.12	111,111,111,111	0
87	OHX	1	3996	7/7	0.96	0.10	129,129,129,129	0
87	OHX	1	3999	7/7	0.96	0.23	94,94,94,94	0
86	MG	5	3572	1/1	0.96	0.34	27,27,27,27	0
86	MG	2	1925	1/1	0.96	0.43	67,67,67,67	0
86	MG	5	3717	1/1	0.96	0.14	50,50,50,50	0
86	MG	5	3803	1/1	0.96	0.25	40,40,40,40	0
87	OHX	1	4006	7/7	0.96	0.10	120,120,120,120	0
87	OHX	2	2096	7/7	0.96	0.12	125,125,125,125	0
87	OHX	1	4008	7/7	0.96	0.12	113,113,113,113	0
87	OHX	1	4009	7/7	0.96	0.12	108,108,108,108	0
86	MG	N6	201	1/1	0.96	0.12	40,40,40,40	0
87	OHX	1	4011	7/7	0.96	0.11	105,105,105,105	0
86	MG	5	3511	1/1	0.96	0.30	25,25,25,25	0
86	MG	5	3408	1/1	0.96	0.10	28,28,28,28	0
87	OHX	1	4161	7/7	0.96	0.11	107,107,107,107	0
87	OHX	5	4162	7/7	0.96	0.13	111,111,111,111	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
86	MG	1	3696	1/1	0.96	0.24	47,47,47,47	0
87	OHX	2	2102	7/7	0.96	0.09	131,131,131,131	0
86	MG	5	3808	1/1	0.96	0.06	48,48,48,48	0
87	OHX	1	4017	7/7	0.96	0.12	113,113,113,113	0
87	OHX	1	4018	7/7	0.96	0.10	115,115,115,115	0
86	MG	5	3722	1/1	0.96	0.16	51,51,51,51	0
86	MG	1	3505	1/1	0.96	0.30	36,36,36,36	0
86	MG	2	1902	1/1	0.96	0.28	40,40,40,40	0
86	MG	5	3812	1/1	0.96	0.10	39,39,39,39	0
86	MG	5	3580	1/1	0.96	0.23	29,29,29,29	0
87	OHX	1	4025	7/7	0.96	0.12	108,108,108,108	0
87	OHX	2	2109	7/7	0.96	0.09	145,145,145,145	0
86	MG	5	3650	1/1	0.96	0.20	40,40,40,40	0
87	OHX	1	4029	7/7	0.96	0.11	120,120,120,120	0
86	MG	1	3748	1/1	0.96	0.09	37,37,37,37	0
87	OHX	1	4177	7/7	0.96	0.11	103,103,103,103	0
86	MG	1	3607	1/1	0.96	0.13	55,55,55,55	0
86	MG	5	3653	1/1	0.96	0.17	29,29,29,29	0
87	OHX	1	4034	7/7	0.96	0.12	101,101,101,101	0
86	MG	1	3840	1/1	0.96	0.28	33,33,33,33	0
87	OHX	1	4037	7/7	0.96	0.14	103,103,103,103	0
86	MG	6	1937	1/1	0.96	0.33	42,42,42,42	0
86	MG	5	3585	1/1	0.96	0.32	36,36,36,36	0
86	MG	5	3586	1/1	0.96	0.36	31,31,31,31	0
87	OHX	5	4188	7/7	0.96	0.08	149,149,149,149	0
87	OHX	1	4042	7/7	0.96	0.13	112,112,112,112	0
86	MG	1	3807	1/1	0.96	0.25	38,38,38,38	0
86	MG	1	3642	1/1	0.96	0.26	37,37,37,37	0
86	MG	5	3523	1/1	0.96	0.39	45,45,45,45	0
86	MG	3	204	1/1	0.96	0.34	47,47,47,47	0
86	MG	5	3592	1/1	0.96	0.29	41,41,41,41	0
87	OHX	1	4050	7/7	0.96	0.13	108,108,108,108	0
86	MG	1	3843	1/1	0.96	0.28	31,31,31,31	0
86	MG	1	3538	1/1	0.96	0.41	36,36,36,36	0
86	MG	5	3665	1/1	0.96	0.10	59,59,59,59	0
86	MG	L4	401	1/1	0.96	0.12	33,33,33,33	0
87	OHX	1	4057	7/7	0.96	0.12	128,128,128,128	0
86	MG	5	3745	1/1	0.96	0.21	27,27,27,27	0
87	OHX	1	4059	7/7	0.96	0.10	139,139,139,139	0
87	OHX	2	2131	7/7	0.96	0.13	112,112,112,112	0
86	MG	5	3667	1/1	0.96	0.19	46,46,46,46	0
86	MG	6	1905	1/1	0.96	0.33	62,62,62,62	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
86	MG	1	3578	1/1	0.96	0.18	27,27,27,27	0
86	MG	5	3841	1/1	0.96	0.13	43,43,43,43	0
86	MG	1	3428	1/1	0.96	0.17	48,48,48,48	0
87	OHX	5	3965	7/7	0.96	0.11	72,72,72,72	0
87	OHX	5	3971	7/7	0.96	0.11	98,98,98,98	0
87	OHX	5	3979	7/7	0.96	0.11	103,103,103,103	0
87	OHX	5	3980	7/7	0.96	0.11	90,90,90,90	0
87	OHX	5	3982	7/7	0.96	0.13	93,93,93,93	0
86	MG	5	3846	1/1	0.96	0.13	33,33,33,33	0
86	MG	6	1948	1/1	0.96	0.34	43,43,43,43	0
86	MG	5	3478	1/1	0.96	0.28	64,64,64,64	0
87	OHX	5	4017	7/7	0.96	0.12	101,101,101,101	0
86	MG	1	3756	1/1	0.96	0.15	26,26,26,26	0
86	MG	1	3684	1/1	0.96	0.23	55,55,55,55	0
87	OHX	5	4028	7/7	0.96	0.13	104,104,104,104	0
86	MG	5	3539	1/1	0.96	0.42	37,37,37,37	0
87	OHX	5	4031	7/7	0.96	0.12	107,107,107,107	0
86	MG	15	301	1/1	0.96	0.17	41,41,41,41	0
86	MG	1	3816	1/1	0.96	0.19	54,54,54,54	0
87	OHX	5	4035	7/7	0.96	0.20	95,95,95,95	0
87	OHX	1	4077	7/7	0.96	0.10	113,113,113,113	0
87	OHX	5	4037	7/7	0.96	0.10	130,130,130,130	0
86	MG	1	3580	1/1	0.96	0.30	37,37,37,37	0
87	OHX	5	4039	7/7	0.96	0.14	104,104,104,104	0
87	OHX	5	4041	7/7	0.96	0.11	117,117,117,117	0
86	MG	5	3483	1/1	0.96	0.34	29,29,29,29	0
87	OHX	2	2147	7/7	0.96	0.10	120,120,120,120	0
87	OHX	5	4044	7/7	0.96	0.09	123,123,123,123	0
87	OHX	5	4046	7/7	0.96	0.11	119,119,119,119	0
86	MG	1	3433	1/1	0.96	0.24	37,37,37,37	0
86	MG	5	3857	1/1	0.96	0.19	58,58,58,58	0
86	MG	1	3733	1/1	0.96	0.11	65,65,65,65	0
87	OHX	5	4051	7/7	0.96	0.11	115,115,115,115	0
87	OHX	5	4052	7/7	0.96	0.16	97,97,97,97	0
87	OHX	5	4053	7/7	0.96	0.11	117,117,117,117	0
86	MG	5	3610	1/1	0.96	0.16	37,37,37,37	0
87	OHX	5	4055	7/7	0.96	0.14	101,101,101,101	0
86	MG	1	3510	1/1	0.96	0.23	41,41,41,41	0
86	MG	m6	201	1/1	0.96	0.07	32,32,32,32	0
87	OHX	4	230	7/7	0.96	0.14	102,102,102,102	0
86	MG	5	3612	1/1	0.96	0.29	49,49,49,49	0
87	OHX	5	4062	7/7	0.96	0.14	102,102,102,102	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
87	OHX	5	4063	7/7	0.96	0.10	123,123,123,123	0
86	MG	1	3789	1/1	0.96	0.06	42,42,42,42	0
87	OHX	5	4066	7/7	0.96	0.09	133,133,133,133	0
87	OHX	4	233	7/7	0.96	0.10	130,130,130,130	0
87	OHX	1	4089	7/7	0.96	0.07	188,188,188,188	0
86	MG	m7	203	1/1	0.96	0.17	50,50,50,50	0
86	MG	1	3855	1/1	0.96	0.13	60,60,60,60	0
86	MG	5	3549	1/1	0.96	0.24	48,48,48,48	0
86	MG	1	3822	1/1	0.96	0.11	54,54,54,54	0
86	MG	2	1933	1/1	0.96	0.29	59,59,59,59	0
86	MG	1	3710	1/1	0.96	0.25	35,35,35,35	0
86	MG	1	3825	1/1	0.96	0.13	42,42,42,42	0
87	OHX	M0	303	7/7	0.96	0.12	101,101,101,101	0
87	OHX	M5	303	7/7	0.96	0.11	107,107,107,107	0
86	MG	6	1962	1/1	0.96	0.21	49,49,49,49	0
87	OHX	8	217	7/7	0.96	0.10	115,115,115,115	0
86	MG	6	2008	1/1	0.96	0.14	48,48,48,48	0
87	OHX	8	219	7/7	0.96	0.12	116,116,116,116	0
87	OHX	8	220	7/7	0.96	0.09	135,135,135,135	0
86	MG	5	3623	1/1	0.96	0.15	64,64,64,64	0
86	MG	5	3779	1/1	0.96	0.13	28,28,28,28	0
86	MG	M7	203	1/1	0.96	0.34	36,36,36,36	0
87	OHX	5	4086	7/7	0.96	0.11	110,110,110,110	0
86	MG	5	3446	1/1	0.96	0.09	40,40,40,40	0
87	OHX	5	4089	7/7	0.96	0.12	106,106,106,106	0
86	MG	5	3783	1/1	0.96	0.21	44,44,44,44	0
86	MG	6	2010	1/1	0.96	0.31	56,56,56,56	0
87	OHX	6	2083	7/7	0.96	0.12	101,101,101,101	0
87	OHX	6	2088	7/7	0.96	0.15	111,111,111,111	0
86	MG	1	3792	1/1	0.96	0.10	69,69,69,69	0
86	MG	5	3700	1/1	0.96	0.21	46,46,46,46	0
86	MG	d3	202	1/1	0.96	0.13	49,49,49,49	0
86	MG	1	3497	1/1	0.96	0.20	30,30,30,30	0
86	MG	5	3451	1/1	0.96	0.14	40,40,40,40	0
87	OHX	2	2043	7/7	0.96	0.12	110,110,110,110	0
87	OHX	2	2053	7/7	0.96	0.09	123,123,123,123	0
87	OHX	2	2054	7/7	0.96	0.10	126,126,126,126	0
87	OHX	6	2109	7/7	0.96	0.12	117,117,117,117	0
87	OHX	6	2111	7/7	0.96	0.11	120,120,120,120	0
87	OHX	6	2112	7/7	0.96	0.10	115,115,115,115	0
88	ZN	Q2	501	1/1	0.96	0.15	77,77,77,77	0
87	OHX	2	2057	7/7	0.96	0.10	129,129,129,129	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
88	ZN	e1	501	1/1	0.96	0.05	150,150,150,150	0
87	OHX	2	2062	7/7	0.96	0.11	120,120,120,120	0
89	ANM	1	4218	19/19	0.96	0.09	33,33,33,33	0
87	OHX	2	2063	7/7	0.96	0.09	124,124,124,124	0
87	OHX	5	3985	7/7	0.97	0.09	95,95,95,95	0
87	OHX	5	3995	7/7	0.97	0.10	99,99,99,99	0
87	OHX	5	3997	7/7	0.97	0.12	96,96,96,96	0
87	OHX	5	3998	7/7	0.97	0.24	90,90,90,90	0
87	OHX	5	3999	7/7	0.97	0.09	121,121,121,121	0
87	OHX	1	3974	7/7	0.97	0.12	106,106,106,106	0
87	OHX	5	4001	7/7	0.97	0.20	90,90,90,90	0
87	OHX	6	2106	7/7	0.97	0.09	113,113,113,113	0
87	OHX	5	4007	7/7	0.97	0.20	75,75,75,75	0
87	OHX	5	4008	7/7	0.97	0.10	105,105,105,105	0
87	OHX	6	2107	7/7	0.97	0.11	106,106,106,106	0
87	OHX	5	4016	7/7	0.97	0.10	101,101,101,101	0
87	OHX	2	2069	7/7	0.97	0.13	109,109,109,109	0
87	OHX	5	4018	7/7	0.97	0.08	139,139,139,139	0
87	OHX	5	4019	7/7	0.97	0.19	92,92,92,92	0
87	OHX	5	4021	7/7	0.97	0.09	101,101,101,101	0
87	OHX	2	2071	7/7	0.97	0.10	119,119,119,119	0
87	OHX	5	4025	7/7	0.97	0.12	106,106,106,106	0
87	OHX	6	2110	7/7	0.97	0.11	101,101,101,101	0
87	OHX	1	3981	7/7	0.97	0.26	87,87,87,87	0
87	OHX	1	3982	7/7	0.97	0.09	102,102,102,102	0
86	MG	5	3730	1/1	0.97	0.24	45,45,45,45	0
87	OHX	2	2074	7/7	0.97	0.12	113,113,113,113	0
87	OHX	6	2115	7/7	0.97	0.12	105,105,105,105	0
86	MG	1	3530	1/1	0.97	0.32	36,36,36,36	0
87	OHX	5	4181	7/7	0.97	0.25	89,89,89,89	0
87	OHX	6	2117	7/7	0.97	0.10	111,111,111,111	0
87	OHX	1	3989	7/7	0.97	0.09	114,114,114,114	0
87	OHX	1	3990	7/7	0.97	0.11	109,109,109,109	0
86	MG	5	3617	1/1	0.97	0.21	39,39,39,39	0
87	OHX	1	3992	7/7	0.97	0.14	95,95,95,95	0
86	MG	5	3780	1/1	0.97	0.22	58,58,58,58	0
86	MG	1	3411	1/1	0.97	0.19	32,32,32,32	0
86	MG	1	3778	1/1	0.97	0.13	54,54,54,54	0
86	MG	5	3831	1/1	0.97	0.12	38,38,38,38	0
87	OHX	1	3997	7/7	0.97	0.10	114,114,114,114	0
87	OHX	1	3998	7/7	0.97	0.08	125,125,125,125	0
86	MG	5	3832	1/1	0.97	0.06	41,41,41,41	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
86	MG	1	3569	1/1	0.97	0.20	29,29,29,29	0
86	MG	1	3721	1/1	0.97	0.27	50,50,50,50	0
86	MG	1	3648	1/1	0.97	0.17	32,32,32,32	0
86	MG	5	3836	1/1	0.97	0.11	73,73,73,73	0
87	OHX	2	2087	7/7	0.97	0.11	121,121,121,121	0
87	OHX	5	4056	7/7	0.97	0.08	126,126,126,126	0
86	MG	5	3588	1/1	0.97	0.24	28,28,28,28	0
86	MG	1	3803	1/1	0.97	0.07	52,52,52,52	0
86	MG	5	3429	1/1	0.97	0.10	29,29,29,29	0
86	MG	1	3662	1/1	0.97	0.11	32,32,32,32	0
86	MG	5	3402	1/1	0.97	0.22	27,27,27,27	0
87	OHX	2	2095	7/7	0.97	0.08	142,142,142,142	0
86	MG	1	3562	1/1	0.97	0.34	38,38,38,38	0
87	OHX	5	4065	7/7	0.97	0.09	110,110,110,110	0
87	OHX	2	2097	7/7	0.97	0.07	156,156,156,156	0
86	MG	5	3845	1/1	0.97	0.07	66,66,66,66	0
86	MG	1	3571	1/1	0.97	0.23	23,23,23,23	0
86	MG	1	3625	1/1	0.97	0.28	53,53,53,53	0
87	OHX	5	4070	7/7	0.97	0.07	142,142,142,142	0
86	MG	5	3435	1/1	0.97	0.15	36,36,36,36	0
86	MG	m7	205	1/1	0.97	0.06	37,37,37,37	0
86	MG	5	3597	1/1	0.97	0.28	23,23,23,23	0
86	MG	5	3707	1/1	0.97	0.06	38,38,38,38	0
86	MG	5	3406	1/1	0.97	0.15	36,36,36,36	0
87	OHX	1	4023	7/7	0.97	0.11	108,108,108,108	0
86	MG	5	3532	1/1	0.97	0.28	47,47,47,47	0
86	MG	1	3765	1/1	0.97	0.26	49,49,49,49	0
86	MG	2	1995	1/1	0.97	0.29	45,45,45,45	0
86	MG	1	3604	1/1	0.97	0.11	35,35,35,35	0
87	OHX	1	4028	7/7	0.97	0.10	106,106,106,106	0
87	OHX	2	2110	7/7	0.97	0.08	129,129,129,129	0
87	OHX	1	4030	7/7	0.97	0.09	118,118,118,118	0
87	OHX	2	2111	7/7	0.97	0.12	112,112,112,112	0
86	MG	6	1945	1/1	0.97	0.36	40,40,40,40	0
86	MG	1	3730	1/1	0.97	0.13	73,73,73,73	0
86	MG	5	3756	1/1	0.97	0.21	40,40,40,40	0
87	OHX	2	2115	7/7	0.97	0.12	116,116,116,116	0
87	OHX	3	216	7/7	0.97	0.12	106,106,106,106	0
87	OHX	3	217	7/7	0.97	0.11	101,101,101,101	0
87	OHX	3	218	7/7	0.97	0.11	99,99,99,99	0
87	OHX	3	219	7/7	0.97	0.09	113,113,113,113	0
87	OHX	5	4096	7/7	0.97	0.20	96,96,96,96	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
87	OHX	3	220	7/7	0.97	0.09	119,119,119,119	0
86	MG	5	3715	1/1	0.97	0.07	60,60,60,60	0
87	OHX	1	4038	7/7	0.97	0.07	139,139,139,139	0
87	OHX	5	4100	7/7	0.97	0.11	112,112,112,112	0
86	MG	2	2008	1/1	0.97	0.44	55,55,55,55	0
86	MG	6	1996	1/1	0.97	0.09	50,50,50,50	0
86	MG	5	3678	1/1	0.97	0.11	37,37,37,37	0
86	MG	5	3761	1/1	0.97	0.20	60,60,60,60	0
87	OHX	4	228	7/7	0.97	0.08	108,108,108,108	0
87	OHX	1	4043	7/7	0.97	0.12	105,105,105,105	0
87	OHX	C8	201	7/7	0.97	0.10	107,107,107,107	0
86	MG	1	3732	1/1	0.97	0.28	24,24,24,24	0
86	MG	5	3445	1/1	0.97	0.12	43,43,43,43	0
87	OHX	2	2033	7/7	0.97	0.13	105,105,105,105	0
87	OHX	1	3900	7/7	0.97	0.13	76,76,76,76	0
87	OHX	2	2037	7/7	0.97	0.11	116,116,116,116	0
87	OHX	1	4051	7/7	0.97	0.10	116,116,116,116	0
86	MG	5	3868	1/1	0.97	0.08	43,43,43,43	0
87	OHX	1	3930	7/7	0.97	0.12	106,106,106,106	0
86	MG	2	1903	1/1	0.97	0.31	46,46,46,46	0
86	MG	1	3576	1/1	0.97	0.28	21,21,21,21	0
87	OHX	1	4056	7/7	0.97	0.07	135,135,135,135	0
87	OHX	1	3941	7/7	0.97	0.12	89,89,89,89	0
87	OHX	7	216	7/7	0.97	0.12	84,84,84,84	0
87	OHX	7	221	7/7	0.97	0.10	103,103,103,103	0
87	OHX	M6	202	7/7	0.97	0.10	103,103,103,103	0
87	OHX	1	3942	7/7	0.97	0.12	91,91,91,91	0
86	MG	5	3508	1/1	0.97	0.28	26,26,26,26	0
87	OHX	2	2055	7/7	0.97	0.11	107,107,107,107	0
87	OHX	8	215	7/7	0.97	0.11	102,102,102,102	0
87	OHX	8	216	7/7	0.97	0.09	120,120,120,120	0
87	OHX	2	2056	7/7	0.97	0.08	125,125,125,125	0
87	OHX	O1	202	7/7	0.97	0.09	109,109,109,109	0
87	OHX	O2	201	7/7	0.97	0.20	93,93,93,93	0
87	OHX	1	4062	7/7	0.97	0.07	163,163,163,163	0
86	MG	1	3773	1/1	0.97	0.09	65,65,65,65	0
87	OHX	6	2063	7/7	0.97	0.14	109,109,109,109	0
87	OHX	6	2201	7/7	0.97	0.07	185,185,185,185	0
86	MG	6	2001	1/1	0.97	0.09	54,54,54,54	0
87	OHX	6	2081	7/7	0.97	0.09	115,115,115,115	0
86	MG	5	3649	1/1	0.97	0.18	44,44,44,44	0
86	MG	1	3415	1/1	0.97	0.07	45,45,45,45	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
87	OHX	6	2085	7/7	0.97	0.09	114,114,114,114	0
86	MG	1	3755	1/1	0.97	0.07	41,41,41,41	0
87	OHX	1	4068	7/7	0.97	0.15	96,96,96,96	0
87	OHX	6	2093	7/7	0.97	0.08	121,121,121,121	0
87	OHX	6	2094	7/7	0.97	0.08	137,137,137,137	0
87	OHX	6	2095	7/7	0.97	0.10	118,118,118,118	0
87	OHX	6	2096	7/7	0.97	0.08	150,150,150,150	0
87	OHX	5	3931	7/7	0.97	0.13	70,70,70,70	0
87	OHX	1	4069	7/7	0.97	0.08	138,138,138,138	0
87	OHX	5	3954	7/7	0.97	0.10	97,97,97,97	0
87	OHX	m5	305	7/7	0.97	0.11	114,114,114,114	0
87	OHX	5	3956	7/7	0.97	0.12	108,108,108,108	0
87	OHX	5	3960	7/7	0.97	0.11	92,92,92,92	0
87	OHX	o3	202	7/7	0.97	0.12	103,103,103,103	0
87	OHX	5	3961	7/7	0.97	0.12	86,86,86,86	0
87	OHX	6	2098	7/7	0.97	0.08	156,156,156,156	0
87	OHX	5	3968	7/7	0.97	0.11	92,92,92,92	0
86	MG	5	3729	1/1	0.97	0.04	54,54,54,54	0
87	OHX	5	3978	7/7	0.97	0.14	94,94,94,94	0
86	MG	5	3823	1/1	0.97	0.06	38,38,38,38	0
87	OHX	1	3971	7/7	0.97	0.08	121,121,121,121	0
87	OHX	1	3972	7/7	0.97	0.11	98,98,98,98	0
86	MG	N8	202	1/1	0.98	0.21	30,30,30,30	0
87	OHX	5	3984	7/7	0.98	0.10	90,90,90,90	0
86	MG	1	3703	1/1	0.98	0.28	42,42,42,42	0
87	OHX	5	3988	7/7	0.98	0.17	90,90,90,90	0
87	OHX	5	3989	7/7	0.98	0.12	87,87,87,87	0
87	OHX	5	3991	7/7	0.98	0.12	84,84,84,84	0
87	OHX	5	3992	7/7	0.98	0.08	93,93,93,93	0
87	OHX	5	3993	7/7	0.98	0.08	114,114,114,114	0
87	OHX	1	4001	7/7	0.98	0.07	138,138,138,138	0
87	OHX	2	2064	7/7	0.98	0.10	106,106,106,106	0
86	MG	1	3446	1/1	0.98	0.07	43,43,43,43	0
86	MG	1	3754	1/1	0.98	0.09	57,57,57,57	0
86	MG	8	203	1/1	0.98	0.37	45,45,45,45	0
86	MG	1	3811	1/1	0.98	0.11	37,37,37,37	0
87	OHX	5	4002	7/7	0.98	0.07	115,115,115,115	0
86	MG	5	3524	1/1	0.98	0.26	33,33,33,33	0
87	OHX	5	4005	7/7	0.98	0.08	108,108,108,108	0
87	OHX	5	4006	7/7	0.98	0.16	92,92,92,92	0
87	OHX	2	2070	7/7	0.98	0.07	122,122,122,122	0
86	MG	1	3507	1/1	0.98	0.41	40,40,40,40	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
87	OHX	5	4009	7/7	0.98	0.17	89,89,89,89	0
87	OHX	5	4010	7/7	0.98	0.11	100,100,100,100	0
87	OHX	2	2072	7/7	0.98	0.08	111,111,111,111	0
87	OHX	5	4012	7/7	0.98	0.06	118,118,118,118	0
86	MG	1	3724	1/1	0.98	0.07	56,56,56,56	0
86	MG	1	3481	1/1	0.98	0.31	43,43,43,43	0
86	MG	5	3791	1/1	0.98	0.06	42,42,42,42	0
86	MG	1	3683	1/1	0.98	0.14	49,49,49,49	0
87	OHX	5	4020	7/7	0.98	0.10	99,99,99,99	0
86	MG	5	3767	1/1	0.98	0.08	35,35,35,35	0
87	OHX	6	2128	7/7	0.98	0.10	113,113,113,113	0
87	OHX	5	4023	7/7	0.98	0.07	113,113,113,113	0
87	OHX	5	4024	7/7	0.98	0.10	99,99,99,99	0
87	OHX	1	3894	7/7	0.98	0.13	76,76,76,76	0
86	MG	n8	204	1/1	0.98	0.10	34,34,34,34	0
87	OHX	5	4027	7/7	0.98	0.09	107,107,107,107	0
86	MG	8	212	1/1	0.98	0.28	35,35,35,35	0
87	OHX	1	3901	7/7	0.98	0.10	77,77,77,77	0
87	OHX	5	4030	7/7	0.98	0.07	111,111,111,111	0
87	OHX	1	3903	7/7	0.98	0.10	81,81,81,81	0
87	OHX	1	3904	7/7	0.98	0.09	82,82,82,82	0
87	OHX	1	3909	7/7	0.98	0.08	84,84,84,84	0
87	OHX	5	4034	7/7	0.98	0.11	86,86,86,86	0
86	MG	5	3768	1/1	0.98	0.11	40,40,40,40	0
87	OHX	1	3915	7/7	0.98	0.10	91,91,91,91	0
87	OHX	1	3918	7/7	0.98	0.08	86,86,86,86	0
87	OHX	1	3920	7/7	0.98	0.10	86,86,86,86	0
87	OHX	6	2140	7/7	0.98	0.09	118,118,118,118	0
87	OHX	5	4040	7/7	0.98	0.09	102,102,102,102	0
87	OHX	1	3921	7/7	0.98	0.09	93,93,93,93	0
86	MG	5	3821	1/1	0.98	0.17	42,42,42,42	0
87	OHX	1	3925	7/7	0.98	0.11	86,86,86,86	0
87	OHX	1	3927	7/7	0.98	0.11	87,87,87,87	0
87	OHX	5	4045	7/7	0.98	0.24	85,85,85,85	0
87	OHX	1	3928	7/7	0.98	0.09	88,88,88,88	0
87	OHX	3	215	7/7	0.98	0.09	95,95,95,95	0
86	MG	1	3521	1/1	0.98	0.09	33,33,33,33	0
87	OHX	2	2083	7/7	0.98	0.08	129,129,129,129	0
87	OHX	5	4050	7/7	0.98	0.19	93,93,93,93	0
87	OHX	5	4206	7/7	0.98	0.17	84,84,84,84	0
87	OHX	1	3933	7/7	0.98	0.08	103,103,103,103	0
87	OHX	1	3936	7/7	0.98	0.09	95,95,95,95	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
87	OHX	1	3937	7/7	0.98	0.09	102,102,102,102	0
86	MG	l3	402	1/1	0.98	0.36	25,25,25,25	0
87	OHX	1	3940	7/7	0.98	0.10	94,94,94,94	0
86	MG	1	3692	1/1	0.98	0.07	37,37,37,37	0
86	MG	5	3680	1/1	0.98	0.12	41,41,41,41	0
86	MG	5	3772	1/1	0.98	0.11	45,45,45,45	0
87	OHX	1	4044	7/7	0.98	0.08	126,126,126,126	0
87	OHX	4	226	7/7	0.98	0.11	91,91,91,91	0
87	OHX	5	4061	7/7	0.98	0.09	96,96,96,96	0
87	OHX	1	3944	7/7	0.98	0.09	95,95,95,95	0
87	OHX	4	229	7/7	0.98	0.10	116,116,116,116	0
87	OHX	1	3945	7/7	0.98	0.14	90,90,90,90	0
87	OHX	1	3947	7/7	0.98	0.08	104,104,104,104	0
87	OHX	2	2025	7/7	0.98	0.14	84,84,84,84	0
87	OHX	2	2029	7/7	0.98	0.10	96,96,96,96	0
87	OHX	1	3951	7/7	0.98	0.09	105,105,105,105	0
87	OHX	2	2090	7/7	0.98	0.09	119,119,119,119	0
87	OHX	2	2030	7/7	0.98	0.11	94,94,94,94	0
87	OHX	2	2031	7/7	0.98	0.07	109,109,109,109	0
87	OHX	5	4072	7/7	0.98	0.08	111,111,111,111	0
86	MG	1	3574	1/1	0.98	0.31	34,34,34,34	0
87	OHX	1	3957	7/7	0.98	0.15	93,93,93,93	0
87	OHX	1	3958	7/7	0.98	0.16	92,92,92,92	0
87	OHX	1	3960	7/7	0.98	0.13	87,87,87,87	0
87	OHX	1	3962	7/7	0.98	0.07	103,103,103,103	0
87	OHX	1	3963	7/7	0.98	0.07	105,105,105,105	0
87	OHX	1	3964	7/7	0.98	0.10	96,96,96,96	0
87	OHX	2	2094	7/7	0.98	0.06	142,142,142,142	0
87	OHX	2	2034	7/7	0.98	0.11	98,98,98,98	0
87	OHX	1	3968	7/7	0.98	0.08	97,97,97,97	0
87	OHX	2	2035	7/7	0.98	0.10	99,99,99,99	0
87	OHX	1	3970	7/7	0.98	0.16	92,92,92,92	0
86	MG	5	3512	1/1	0.98	0.17	28,28,28,28	0
87	OHX	5	4087	7/7	0.98	0.11	103,103,103,103	0
87	OHX	2	2038	7/7	0.98	0.08	97,97,97,97	0
87	OHX	O7	104	7/7	0.98	0.10	95,95,95,95	0
87	OHX	Q2	503	7/7	0.98	0.17	83,83,83,83	0
87	OHX	6	2048	7/7	0.98	0.11	73,73,73,73	0
87	OHX	6	2052	7/7	0.98	0.12	83,83,83,83	0
87	OHX	1	4160	7/7	0.98	0.12	101,101,101,101	0
87	OHX	6	2062	7/7	0.98	0.08	97,97,97,97	0
87	OHX	1	3973	7/7	0.98	0.08	105,105,105,105	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
87	OHX	6	2065	7/7	0.98	0.11	86,86,86,86	0
87	OHX	6	2068	7/7	0.98	0.07	106,106,106,106	0
87	OHX	6	2070	7/7	0.98	0.08	119,119,119,119	0
87	OHX	6	2071	7/7	0.98	0.08	126,126,126,126	0
87	OHX	2	2039	7/7	0.98	0.08	93,93,93,93	0
87	OHX	6	2080	7/7	0.98	0.07	112,112,112,112	0
87	OHX	1	3975	7/7	0.98	0.17	95,95,95,95	0
86	MG	1	4220	1/1	0.98	0.11	28,28,28,28	0
87	OHX	1	3977	7/7	0.98	0.07	118,118,118,118	0
87	OHX	7	215	7/7	0.98	0.10	87,87,87,87	0
87	OHX	1	3978	7/7	0.98	0.10	102,102,102,102	0
87	OHX	7	217	7/7	0.98	0.10	97,97,97,97	0
87	OHX	7	219	7/7	0.98	0.17	91,91,91,91	0
87	OHX	7	220	7/7	0.98	0.07	99,99,99,99	0
87	OHX	6	2086	7/7	0.98	0.08	121,121,121,121	0
87	OHX	6	2087	7/7	0.98	0.09	104,104,104,104	0
87	OHX	1	3979	7/7	0.98	0.10	101,101,101,101	0
87	OHX	6	2089	7/7	0.98	0.08	108,108,108,108	0
87	OHX	6	2090	7/7	0.98	0.08	100,100,100,100	0
87	OHX	8	214	7/7	0.98	0.07	106,106,106,106	0
87	OHX	6	2091	7/7	0.98	0.07	122,122,122,122	0
86	MG	6	1981	1/1	0.98	0.10	45,45,45,45	0
87	OHX	2	2045	7/7	0.98	0.08	100,100,100,100	0
87	OHX	2	2046	7/7	0.98	0.07	109,109,109,109	0
87	OHX	2	2048	7/7	0.98	0.07	110,110,110,110	0
87	OHX	2	2049	7/7	0.98	0.07	111,111,111,111	0
87	OHX	1	3987	7/7	0.98	0.14	92,92,92,92	0
87	OHX	2	2050	7/7	0.98	0.09	112,112,112,112	0
87	OHX	6	2099	7/7	0.98	0.07	109,109,109,109	0
87	OHX	2	2051	7/7	0.98	0.08	97,97,97,97	0
87	OHX	5	3936	7/7	0.98	0.10	71,71,71,71	0
87	OHX	5	3944	7/7	0.98	0.10	89,89,89,89	0
87	OHX	13	403	7/7	0.98	0.10	96,96,96,96	0
87	OHX	5	3945	7/7	0.98	0.11	82,82,82,82	0
87	OHX	5	3946	7/7	0.98	0.09	80,80,80,80	0
87	OHX	5	3948	7/7	0.98	0.09	77,77,77,77	0
87	OHX	5	3949	7/7	0.98	0.09	84,84,84,84	0
87	OHX	5	3951	7/7	0.98	0.10	73,73,73,73	0
87	OHX	5	3952	7/7	0.98	0.09	85,85,85,85	0
87	OHX	6	2101	7/7	0.98	0.07	117,117,117,117	0
87	OHX	5	3955	7/7	0.98	0.08	79,79,79,79	0
87	OHX	2	2052	7/7	0.98	0.08	105,105,105,105	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
87	OHX	5	3957	7/7	0.98	0.08	98,98,98,98	0
86	MG	6	1982	1/1	0.98	0.14	49,49,49,49	0
86	MG	1	4221	1/1	0.98	0.07	66,66,66,66	0
87	OHX	m6	202	7/7	0.98	0.12	89,89,89,89	0
87	OHX	5	3963	7/7	0.98	0.10	83,83,83,83	0
86	MG	1	3630	1/1	0.98	0.19	65,65,65,65	0
87	OHX	o2	201	7/7	0.98	0.18	93,93,93,93	0
86	MG	5	3540	1/1	0.98	0.24	21,21,21,21	0
87	OHX	o7	502	7/7	0.98	0.10	96,96,96,96	0
86	MG	5	3427	1/1	0.98	0.37	42,42,42,42	0
87	OHX	q2	502	7/7	0.98	0.14	82,82,82,82	0
87	OHX	5	3972	7/7	0.98	0.12	88,88,88,88	0
88	ZN	E1	501	1/1	0.98	0.04	109,109,109,109	0
87	OHX	5	3973	7/7	0.98	0.08	84,84,84,84	0
87	OHX	5	3974	7/7	0.98	0.08	94,94,94,94	0
87	OHX	5	3977	7/7	0.98	0.10	79,79,79,79	0
87	OHX	2	2058	7/7	0.98	0.09	109,109,109,109	0
87	OHX	2	2059	7/7	0.98	0.08	117,117,117,117	0
87	OHX	2	2061	7/7	0.98	0.07	122,122,122,122	0
87	OHX	5	4014	7/7	0.99	0.11	88,88,88,88	0
87	OHX	5	4015	7/7	0.99	0.07	100,100,100,100	0
87	OHX	6	2066	7/7	0.99	0.07	94,94,94,94	0
87	OHX	6	2067	7/7	0.99	0.10	83,83,83,83	0
87	OHX	1	3984	7/7	0.99	0.12	81,81,81,81	0
87	OHX	6	2069	7/7	0.99	0.13	84,84,84,84	0
87	OHX	1	3985	7/7	0.99	0.07	106,106,106,106	0
87	OHX	1	3919	7/7	0.99	0.07	94,94,94,94	0
87	OHX	6	2072	7/7	0.99	0.08	86,86,86,86	0
87	OHX	6	2073	7/7	0.99	0.07	100,100,100,100	0
87	OHX	2	2024	7/7	0.99	0.12	80,80,80,80	0
87	OHX	6	2075	7/7	0.99	0.10	89,89,89,89	0
87	OHX	6	2076	7/7	0.99	0.07	100,100,100,100	0
87	OHX	6	2077	7/7	0.99	0.07	97,97,97,97	0
87	OHX	6	2078	7/7	0.99	0.07	93,93,93,93	0
87	OHX	6	2079	7/7	0.99	0.06	101,101,101,101	0
86	MG	5	3856	1/1	0.99	0.10	45,45,45,45	0
87	OHX	1	3922	7/7	0.99	0.09	93,93,93,93	0
87	OHX	1	3923	7/7	0.99	0.06	83,83,83,83	0
87	OHX	2	2026	7/7	0.99	0.09	82,82,82,82	0
87	OHX	6	2084	7/7	0.99	0.07	106,106,106,106	0
87	OHX	2	2027	7/7	0.99	0.08	73,73,73,73	0
87	OHX	1	3926	7/7	0.99	0.07	90,90,90,90	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
87	OHX	2	2028	7/7	0.99	0.10	93,93,93,93	0
86	MG	1	3812	1/1	0.99	0.06	36,36,36,36	0
87	OHX	1	3929	7/7	0.99	0.08	72,72,72,72	0
86	MG	5	3826	1/1	0.99	0.07	55,55,55,55	0
87	OHX	1	3931	7/7	0.99	0.08	82,82,82,82	0
86	MG	5	3531	1/1	0.99	0.32	26,26,26,26	0
87	OHX	2	2032	7/7	0.99	0.08	96,96,96,96	0
87	OHX	1	3934	7/7	0.99	0.07	76,76,76,76	0
87	OHX	1	3935	7/7	0.99	0.07	83,83,83,83	0
87	OHX	1	4003	7/7	0.99	0.10	86,86,86,86	0
86	MG	5	3763	1/1	0.99	0.04	42,42,42,42	0
86	MG	1	3829	1/1	0.99	0.06	57,57,57,57	0
87	OHX	1	3938	7/7	0.99	0.10	77,77,77,77	0
86	MG	1	3675	1/1	0.99	0.07	69,69,69,69	0
87	OHX	2	2060	7/7	0.99	0.09	100,100,100,100	0
87	OHX	2	2036	7/7	0.99	0.06	91,91,91,91	0
86	MG	5	3527	1/1	0.99	0.35	34,34,34,34	0
87	OHX	1	3872	7/7	0.99	0.12	58,58,58,58	0
87	OHX	s1	302	7/7	0.99	0.10	81,81,81,81	0
87	OHX	1	3873	7/7	0.99	0.11	54,54,54,54	0
87	OHX	1	3874	7/7	0.99	0.11	59,59,59,59	0
87	OHX	1	3946	7/7	0.99	0.15	87,87,87,87	0
87	OHX	1	3877	7/7	0.99	0.09	59,59,59,59	0
87	OHX	1	3948	7/7	0.99	0.06	89,89,89,89	0
87	OHX	1	3878	7/7	0.99	0.11	60,60,60,60	0
87	OHX	1	3882	7/7	0.99	0.10	64,64,64,64	0
87	OHX	1	3883	7/7	0.99	0.09	63,63,63,63	0
87	OHX	1	3884	7/7	0.99	0.06	65,65,65,65	0
87	OHX	5	3903	7/7	0.99	0.11	48,48,48,48	0
87	OHX	5	3907	7/7	0.99	0.10	52,52,52,52	0
87	OHX	5	3911	7/7	0.99	0.14	63,63,63,63	0
87	OHX	5	3912	7/7	0.99	0.09	54,54,54,54	0
87	OHX	5	3914	7/7	0.99	0.12	64,64,64,64	0
87	OHX	5	3915	7/7	0.99	0.07	54,54,54,54	0
87	OHX	5	3917	7/7	0.99	0.10	59,59,59,59	0
87	OHX	5	3918	7/7	0.99	0.08	64,64,64,64	0
87	OHX	5	3919	7/7	0.99	0.11	63,63,63,63	0
87	OHX	5	3920	7/7	0.99	0.08	66,66,66,66	0
87	OHX	5	3922	7/7	0.99	0.06	60,60,60,60	0
87	OHX	5	3923	7/7	0.99	0.06	64,64,64,64	0
87	OHX	5	3925	7/7	0.99	0.07	63,63,63,63	0
87	OHX	5	3928	7/7	0.99	0.10	68,68,68,68	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
87	OHX	5	3929	7/7	0.99	0.06	64,64,64,64	0
87	OHX	4	224	7/7	0.99	0.10	57,57,57,57	0
87	OHX	5	3932	7/7	0.99	0.06	72,72,72,72	0
87	OHX	5	3933	7/7	0.99	0.05	73,73,73,73	0
87	OHX	4	225	7/7	0.99	0.07	75,75,75,75	0
87	OHX	5	4084	7/7	0.99	0.13	93,93,93,93	0
87	OHX	1	3885	7/7	0.99	0.10	69,69,69,69	0
87	OHX	5	3937	7/7	0.99	0.12	88,88,88,88	0
87	OHX	5	3938	7/7	0.99	0.07	70,70,70,70	0
87	OHX	5	3939	7/7	0.99	0.06	77,77,77,77	0
87	OHX	5	3940	7/7	0.99	0.05	74,74,74,74	0
87	OHX	5	3942	7/7	0.99	0.08	73,73,73,73	0
87	OHX	5	3943	7/7	0.99	0.07	78,78,78,78	0
87	OHX	4	227	7/7	0.99	0.10	93,93,93,93	0
87	OHX	1	3954	7/7	0.99	0.09	95,95,95,95	0
87	OHX	1	4092	7/7	0.99	0.17	78,78,78,78	0
87	OHX	5	3947	7/7	0.99	0.08	87,87,87,87	0
87	OHX	1	3886	7/7	0.99	0.10	64,64,64,64	0
87	OHX	1	3889	7/7	0.99	0.08	67,67,67,67	0
87	OHX	5	3950	7/7	0.99	0.05	73,73,73,73	0
87	OHX	1	3891	7/7	0.99	0.09	78,78,78,78	0
86	MG	1	3804	1/1	0.99	0.08	56,56,56,56	0
87	OHX	5	3953	7/7	0.99	0.10	95,95,95,95	0
87	OHX	1	3959	7/7	0.99	0.07	93,93,93,93	0
87	OHX	1	3895	7/7	0.99	0.06	67,67,67,67	0
87	OHX	1	3961	7/7	0.99	0.15	72,72,72,72	0
87	OHX	1	3897	7/7	0.99	0.07	70,70,70,70	0
87	OHX	5	3958	7/7	0.99	0.13	79,79,79,79	0
87	OHX	5	3959	7/7	0.99	0.06	89,89,89,89	0
87	OHX	1	3898	7/7	0.99	0.07	72,72,72,72	0
86	MG	5	3842	1/1	0.99	0.05	62,62,62,62	0
87	OHX	5	3962	7/7	0.99	0.08	80,80,80,80	0
86	MG	5	3866	1/1	0.99	0.07	57,57,57,57	0
87	OHX	5	3964	7/7	0.99	0.07	70,70,70,70	0
87	OHX	2	2041	7/7	0.99	0.08	90,90,90,90	0
87	OHX	7	218	7/7	0.99	0.14	92,92,92,92	0
87	OHX	5	3966	7/7	0.99	0.06	88,88,88,88	0
87	OHX	5	3967	7/7	0.99	0.05	86,86,86,86	0
87	OHX	1	3967	7/7	0.99	0.07	66,66,66,66	0
87	OHX	5	4117	7/7	0.99	0.13	81,81,81,81	0
87	OHX	5	3969	7/7	0.99	0.09	73,73,73,73	0
87	OHX	5	3970	7/7	0.99	0.08	94,94,94,94	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
87	OHX	1	4036	7/7	0.99	0.07	98,98,98,98	0
87	OHX	1	3902	7/7	0.99	0.08	71,71,71,71	0
87	OHX	2	2042	7/7	0.99	0.06	94,94,94,94	0
86	MG	5	3843	1/1	0.99	0.17	31,31,31,31	0
87	OHX	5	3975	7/7	0.99	0.06	93,93,93,93	0
87	OHX	5	3976	7/7	0.99	0.11	86,86,86,86	0
87	OHX	1	3905	7/7	0.99	0.07	66,66,66,66	0
87	OHX	1	3906	7/7	0.99	0.07	74,74,74,74	0
87	OHX	N9	101	7/7	0.99	0.11	62,62,62,62	0
87	OHX	1	3907	7/7	0.99	0.09	76,76,76,76	0
87	OHX	5	3981	7/7	0.99	0.05	99,99,99,99	0
87	OHX	1	3908	7/7	0.99	0.12	75,75,75,75	0
87	OHX	5	3983	7/7	0.99	0.12	77,77,77,77	0
87	OHX	2	2044	7/7	0.99	0.06	97,97,97,97	0
87	OHX	1	3910	7/7	0.99	0.08	86,86,86,86	0
87	OHX	5	3986	7/7	0.99	0.09	74,74,74,74	0
87	OHX	5	3987	7/7	0.99	0.09	77,77,77,77	0
87	OHX	1	3911	7/7	0.99	0.06	80,80,80,80	0
87	OHX	6	2045	7/7	0.99	0.12	69,69,69,69	0
87	OHX	5	3990	7/7	0.99	0.09	83,83,83,83	0
87	OHX	6	2047	7/7	0.99	0.09	71,71,71,71	0
87	OHX	1	3912	7/7	0.99	0.09	87,87,87,87	0
87	OHX	6	2049	7/7	0.99	0.09	68,68,68,68	0
87	OHX	5	3994	7/7	0.99	0.06	81,81,81,81	0
87	OHX	6	2050	7/7	0.99	0.09	73,73,73,73	0
87	OHX	5	3996	7/7	0.99	0.10	85,85,85,85	0
87	OHX	6	2051	7/7	0.99	0.13	78,78,78,78	0
86	MG	1	3744	1/1	0.99	0.03	39,39,39,39	0
87	OHX	6	2053	7/7	0.99	0.09	68,68,68,68	0
87	OHX	6	2054	7/7	0.99	0.08	74,74,74,74	0
87	OHX	n3	203	7/7	0.99	0.05	84,84,84,84	0
87	OHX	n9	102	7/7	0.99	0.10	65,65,65,65	0
87	OHX	6	2055	7/7	0.99	0.06	82,82,82,82	0
87	OHX	6	2056	7/7	0.99	0.10	94,94,94,94	0
87	OHX	5	4003	7/7	0.99	0.05	103,103,103,103	0
87	OHX	6	2057	7/7	0.99	0.05	81,81,81,81	0
87	OHX	6	2058	7/7	0.99	0.07	78,78,78,78	0
87	OHX	6	2059	7/7	0.99	0.06	85,85,85,85	0
87	OHX	6	2060	7/7	0.99	0.06	85,85,85,85	0
87	OHX	2	2023	7/7	0.99	0.13	73,73,73,73	0
87	OHX	1	3916	7/7	0.99	0.07	82,82,82,82	0
87	OHX	1	3917	7/7	0.99	0.07	82,82,82,82	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
87	OHX	6	2064	7/7	0.99	0.14	92,92,92,92	0
87	OHX	2	2047	7/7	0.99	0.05	119,119,119,119	0
87	OHX	5	4013	7/7	0.99	0.07	63,63,63,63	0
87	OHX	1	3879	7/7	1.00	0.08	63,63,63,63	0
87	OHX	1	3892	7/7	1.00	0.05	71,71,71,71	0
87	OHX	1	3893	7/7	1.00	0.06	65,65,65,65	0
87	OHX	5	3921	7/7	1.00	0.05	60,60,60,60	0
87	OHX	6	2044	7/7	1.00	0.11	56,56,56,56	0
87	OHX	1	3880	7/7	1.00	0.07	57,57,57,57	0
87	OHX	5	3924	7/7	1.00	0.07	66,66,66,66	0
87	OHX	6	2046	7/7	1.00	0.10	62,62,62,62	0
87	OHX	5	3926	7/7	1.00	0.07	62,62,62,62	0
87	OHX	5	3927	7/7	1.00	0.07	64,64,64,64	0
87	OHX	1	3881	7/7	1.00	0.07	59,59,59,59	0
87	OHX	1	3896	7/7	1.00	0.04	63,63,63,63	0
87	OHX	5	3930	7/7	1.00	0.05	58,58,58,58	0
87	OHX	1	3869	7/7	1.00	0.11	50,50,50,50	0
87	OHX	1	3913	7/7	1.00	0.05	70,70,70,70	0
87	OHX	1	3870	7/7	1.00	0.10	47,47,47,47	0
87	OHX	1	3875	7/7	1.00	0.07	52,52,52,52	0
87	OHX	5	3935	7/7	1.00	0.05	60,60,60,60	0
87	OHX	5	3904	7/7	1.00	0.12	45,45,45,45	0
87	OHX	5	3905	7/7	1.00	0.11	45,45,45,45	0
87	OHX	5	3906	7/7	1.00	0.08	48,48,48,48	0
87	OHX	1	3876	7/7	1.00	0.10	62,62,62,62	0
87	OHX	5	3908	7/7	1.00	0.10	54,54,54,54	0
87	OHX	8	213	7/7	1.00	0.10	58,58,58,58	0
87	OHX	5	3941	7/7	1.00	0.04	65,65,65,65	0
87	OHX	5	3909	7/7	1.00	0.08	56,56,56,56	0
88	ZN	D6	500	1/1	1.00	0.01	76,76,76,76	0
87	OHX	5	3910	7/7	1.00	0.08	58,58,58,58	0
88	ZN	D9	101	1/1	1.00	0.04	74,74,74,74	0
87	OHX	1	3871	7/7	1.00	0.09	54,54,54,54	0
88	ZN	O7	101	1/1	1.00	0.01	36,36,36,36	0
88	ZN	Q0	500	1/1	1.00	0.02	48,48,48,48	0
87	OHX	1	3887	7/7	1.00	0.05	60,60,60,60	0
88	ZN	Q3	501	1/1	1.00	0.01	55,55,55,55	0
88	ZN	d6	101	1/1	1.00	0.03	55,55,55,55	0
87	OHX	5	3913	7/7	1.00	0.07	47,47,47,47	0
88	ZN	d9	101	1/1	1.00	0.03	72,72,72,72	0
87	OHX	1	3888	7/7	1.00	0.07	68,68,68,68	0
88	ZN	o7	501	1/1	1.00	0.02	41,41,41,41	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
88	ZN	q0	201	1/1	1.00	0.01	30,30,30,30	0
87	OHX	1	3868	7/7	1.00	0.11	45,45,45,45	0
88	ZN	q3	501	1/1	1.00	0.01	58,58,58,58	0
87	OHX	5	3916	7/7	1.00	0.07	55,55,55,55	0
87	OHX	1	3890	7/7	1.00	0.06	67,67,67,67	0

6.5 Other polymers [i](#)

There are no such residues in this entry.