



wwPDB X-ray Structure Validation Summary Report ⓘ

Jan 3, 2024 – 02:02 pm GMT

PDB ID : 5DAT
Title : Complex of yeast 80S ribosome with hypusine-containing eIF5A
Authors : Melnikov, S.; Mailliot, J.; Shin, B.-S.; Rigger, L.; Yusupova, G.; Micura, R.;
Dever, T.E.; Yusupov, M.
Deposited on : 2015-08-20
Resolution : 3.15 Å(reported)

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

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

A user guide is available at

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

with specific help available everywhere you see the ⓘ symbol.

The types of validation reports are described at

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

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

MolProbity : 4.02b-467
Mogul : 1.8.4, CSD as541be (2020)
Xtriage (Phenix) : 1.13
EDS : 2.36
buster-report : 1.1.7 (2018)
Percentile statistics : 20191225.v01 (using entries in the PDB archive December 25th 2019)
Refmac : 5.8.0158
CCP4 : 7.0.044 (Gargrove)
Ideal geometry (proteins) : Engh & Huber (2001)
Ideal geometry (DNA, RNA) : Parkinson et al. (1996)
Validation Pipeline (wwPDB-VP) : 2.36

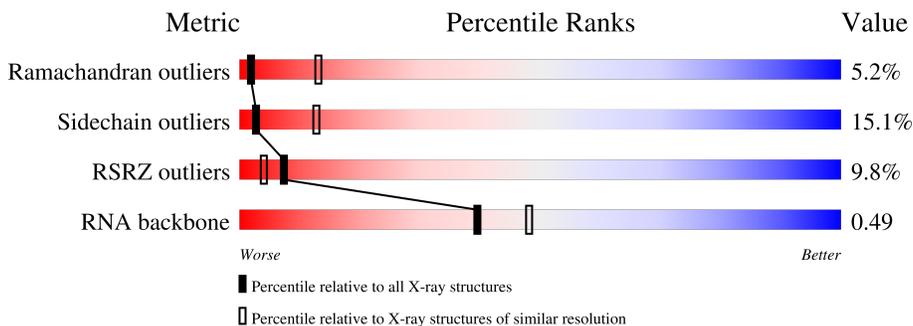
1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

X-RAY DIFFRACTION

The reported resolution of this entry is 3.15 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))
Ramachandran outliers	138981	1770 (3.20-3.12)
Sidechain outliers	138945	1769 (3.20-3.12)
RSRZ outliers	127900	1616 (3.20-3.12)
RNA backbone	3102	1073 (3.50-2.82)

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	 9% 73% 25% ..
1	6	1800	 5% 73% 26% .
2	S0	251	 17% 65% 17% 18%
2	s0	251	 8% 69% 13% . 18%
3	S1	254	 13% 65% 19% 16%
3	s1	254	 5% 66% 19% 15%
4	S2	253	 15% 73% 12% . 14%

Continued on next page...

Continued from previous page...

Mol	Chain	Length	Quality of chain
4	s2	253	19% 68% 17% 14%
5	S3	239	28% 79% 13% 7%
5	s3	239	16% 81% 12% 7%
6	S4	260	31% 83% 15%
6	s4	260	10% 83% 15%
7	S5	224	22% 74% 17% 8%
7	s5	224	18% 74% 17% 8%
8	S6	236	9% 83% 12%
8	s6	236	6% 79% 12% 8%
9	S7	189	30% 78% 19%
9	s7	189	10% 79% 18%
10	S8	200	27% 83% 11% 6%
10	s8	200	6% 78% 16% 6%
11	S9	196	41% 79% 14% 6%
11	s9	196	20% 76% 17% 6%
12	C0	105	8% 78% 11% 9%
12	c0	105	24% 71% 16% 9%
13	C1	155	27% 92% 8%
13	c1	155	14% 77% 16% 6%
14	C2	124	11% 81% 17%
14	c2	124	50% 83% 17%
15	C3	150	12% 84% 16%
15	c3	150	7% 85% 13%
16	C4	136	9% 76% 15% 7%
16	c4	136	11% 78% 13% 6%

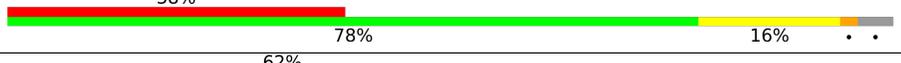
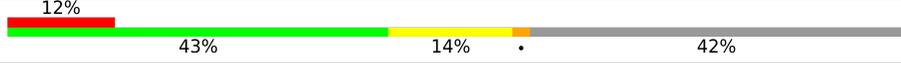
Continued on next page...

Continued from previous page...

Mol	Chain	Length	Quality of chain
17	C5	137	10% 73% 15% 9%
17	c5	137	20% 80% 15%
18	C6	142	53% 80% 18%
18	c6	142	49% 80% 19%
19	C7	136	36% 68% 18% 12%
19	c7	136	15% 75% 10% 14%
20	C8	145	7% 80% 17%
20	c8	145	14% 83% 16%
21	C9	143	49% 86% 14%
21	c9	143	17% 85% 13%
22	D0	120	39% 77% 12% 11%
22	d0	120	48% 72% 19% 8%
23	D1	87	16% 82% 18%
23	d1	87	3% 82% 17%
24	D2	129	58% 84% 16%
25	D3	144	21% 82% 17%
25	d3	144	15% 91% 9%
26	D4	134	11% 85% 15%
26	d4	134	2% 82% 16%
27	D5	107	6% 47% 18% 35%
27	d5	107	7% 54% 10% 36%
28	D6	97	54% 71% 25%
28	d6	97	29% 82% 18%
29	D7	81	43% 84% 15%
29	d7	81	35% 88% 12%

Continued on next page...

Continued from previous page...

Mol	Chain	Length	Quality of chain
30	D8	66	
30	d8	66	
31	D9	55	
31	d9	55	
32	E0	62	
32	e0	62	
33	E1	76	
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	
42	L5	296	

Continued on next page...

Continued from previous page...

Mol	Chain	Length	Quality of chain
42	l5	296	2% 82% 17%
43	L6	175	75% 14% 11%
43	l6	175	75% 14% 10%
44	L7	243	81% 10% 9%
44	l7	243	80% 11% 8%
45	L8	255	6% 76% 16% 9%
45	l8	255	7% 73% 16% 9%
46	L9	191	82% 17%
46	l9	191	81% 18%
47	M0	220	80% 15%
47	m0	220	73% 22%
48	M1	173	14% 76% 20%
48	m1	173	3% 79% 17%
49	M3	198	83% 14%
49	m3	198	77% 20%
50	M4	137	82% 17%
50	m4	137	90% 10%
51	M5	204	10% 86% 13%
52	M6	198	2% 89% 9%
52	m6	198	85% 14%
53	M7	183	5% 87% 13%
53	m7	183	72% 13% 15%
54	M8	185	2% 88% 12%
54	m8	185	7% 82% 18%
55	M9	188	9% 90% 10%

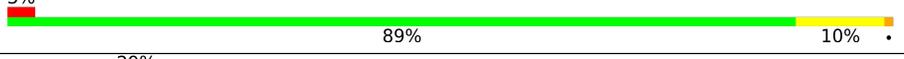
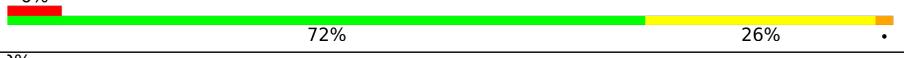
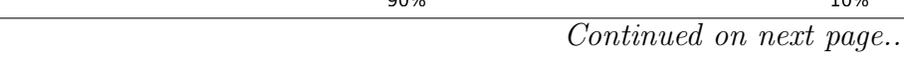
Continued on next page...

Continued from previous page...

Mol	Chain	Length	Quality of chain
55	m9	188	4% 85% 15%
56	N0	172	4% 81% 17%
56	n0	172	84% 16%
57	N1	159	9% 84% 15%
57	n1	159	7% 84% 15%
58	N2	120	6% 70% 12% 17%
58	n2	120	6% 72% 10% 18%
59	N3	136	5% 88% 12%
59	n3	136	% 95% .
60	N4	155	20% 55% 8% 37%
60	n4	155	9% 77% 10% 13%
61	N5	141	3% 68% 18% 14%
61	n5	141	2% 65% 19% 15%
62	N6	126	3% 83% 15%
62	n6	126	82% 18%
63	N7	135	13% 79% 19%
63	n7	135	12% 83% 15%
64	N8	148	3% 85% 14%
64	n8	148	5% 82% 17%
65	N9	58	17% 86% 14%
65	n9	58	16% 81% 19%
66	O0	104	78% 15% 7%
66	o0	104	3% 80% 15% .
67	O1	112	26% 79% 18% .
67	o1	112	3% 77% 21% .

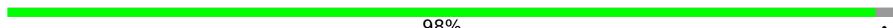
Continued on next page...

Continued from previous page...

Mol	Chain	Length	Quality of chain
68	O2	129	 2% 82% 16% ..
68	o2	129	 83% 15% ..
69	O3	106	 89% 11%
69	o3	106	 3% 89% 10% .
70	O4	119	 29% 82% 12% • 6%
70	o4	119	 30% 80% 14% 6%
71	O5	119	 % 85% 15%
71	o5	119	 3% 87% 12% .
72	O6	99	 9% 83% 14% .
72	o6	99	 6% 72% 26% .
73	O7	87	 2% 84% 16%
73	o7	87	 3% 90% 9% .
74	O8	77	 6% 78% 22%
74	o8	77	 17% 83% 17%
75	O9	50	 6% 80% 20%
75	o9	50	 8% 84% 16%
76	Q0	52	 4% 85% 13% .
76	q0	52	 85% 13% .
77	Q1	25	 64% 88% 12%
77	q1	25	 12% 68% 32%
78	Q2	105	 % 84% 14% .
78	q2	105	 2% 82% 17% .
79	Q3	91	 7% 84% 15% .
79	q3	91	 19% 90% 10%
80	d2	130	 18% 90% 10%

Continued on next page...

Continued from previous page...

Mol	Chain	Length	Quality of chain
81	m2	150	 100%
82	m5	203	 19% 87% 12%
83	p0	220	 13% 57% 7% 35%
84	p1	47	 100%
84	p2	47	 98%
85	f	157	 6% 70% 20% 6%
86	l1	213	 96%

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
85	5CT	f	51	X	-	-	-
87	MG	1	3405	-	-	-	X
87	MG	1	3451	-	-	-	X
87	MG	1	3598	-	-	-	X
87	MG	1	3604	-	-	-	X
87	MG	1	3605	-	-	-	X
87	MG	1	3711	-	-	-	X
87	MG	2	1901	-	-	-	X
87	MG	2	1912	-	-	-	X
87	MG	2	1967	-	-	-	X
87	MG	5	3440	-	-	-	X
87	MG	5	3497	-	-	-	X
87	MG	5	3621	-	-	-	X
87	MG	5	3623	-	-	-	X
87	MG	5	3682	-	-	-	X
87	MG	5	3722	-	-	-	X
87	MG	5	3734	-	-	-	X
87	MG	5	3736	-	-	-	X
87	MG	5	3786	-	-	-	X
87	MG	6	1917	-	-	-	X
87	MG	6	1924	-	-	-	X
87	MG	6	1974	-	-	-	X
87	MG	6	1988	-	-	-	X
87	MG	6	2007	-	-	-	X
87	MG	7	213	-	-	-	X

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
87	MG	M3	201	-	-	-	X
87	MG	M7	201	-	-	-	X
87	MG	M8	201	-	-	-	X
87	MG	O7	102	-	-	-	X
87	MG	S4	301	-	-	-	X
88	OHX	2	2146	-	-	-	X
88	OHX	5	4147	-	-	-	X
88	OHX	6	2181	-	-	-	X

2 Entry composition [i](#)

There are 90 unique types of molecules in this entry. The entry contains 414393 atoms, of which 0 are hydrogens and 0 are deuteriums.

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

- Molecule 1 is a RNA chain called 18S ribosomal RNA.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
			Total	C	N	O	P			
1	2	1781	Total	C	N	O	P	0	1	0
			37970	16975	6720	12493	1782			
1	6	1795	Total	C	N	O	P	0	1	0
			38260	17105	6763	12596	1796			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
			Total	C	N	O	S			
2	S0	206	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
			Total	C	N	O	S			
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
			Total	C	N	O	S			
4	S2	217	Total	C	N	O	S	0	0	0
			1635	1047	289	297	2			
4	s2	217	Total	C	N	O	S	0	0	0
			1635	1047	289	297	2			

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

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

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

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

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

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

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

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

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

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
9	S7	184	Total	C	N	O	0	0	0
			1481	951	265	265			
9	s7	186	Total	C	N	O	0	0	0
			1491	957	267	267			

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

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

Continued on next page...

Continued from previous page...

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

- 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			
32	e0	62	Total	C	N	O	S	0	0	0
			491	309	101	80	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			
33	e1	76	Total	C	N	O	S	0	0	0
			608	388	117	99	4			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
34	SR	318	Total	C	N	O	S	0	0	0
			2437	1541	418	470	8			
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
			679	402	140	137			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
36	1	3149	Total	C	N	O	P	0	0	0
			67355	30086	12142	21978	3149			
36	5	3169	Total	C	N	O	P	0	0	0
			67780	30276	12216	22120	3168			

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

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

Continued on next page...

Continued from previous page...

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

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

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

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

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

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

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

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
			Total	C	N	O	S			
41	L4	361	2748	1729	522	494	3	0	0	0
41	l4	361	2748	1729	522	494	3	0	0	0

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
			Total	C	N	O	S			
42	L5	296	2375	1501	414	458	2	0	0	0
42	l5	294	2359	1489	412	456	2	0	0	0

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
			Total	C	N	O	S			
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
			Total	C	N	O	S			
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
			Total	C	N	O	S			
45	L8	233	Total	C	N	O	S	0	0	0
			1804	1151	323	327	3			
45	l8	231	Total	C	N	O	S	0	0	0
			1763	1130	316	314	3			

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

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

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

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

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

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

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
51	M5	204	Total	C	N	O	S	0	0	1
			1720	1077	361	281	1			

There is a discrepancy between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
M5	170	LYS	-	insertion	UNP P05748

- 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			

Continued on next page...

Continued from previous page...

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

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

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

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

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

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

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

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
			Total	C	N	O	S			
68	O2	127	Total 1020	C 647	N 205	O 167	S 1	0	0	0
68	o2	127	Total 1020	C 647	N 205	O 167	S 1	0	0	0

- 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 (eL34).

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			

Continued on next page...

Continued from previous page...

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
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			
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 S22-A.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
			Total	C	N	O	S			
80	d2	130	1021	650	188	180	3	0	0	1

There is a discrepancy between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
d2	47	TYR	-	insertion	UNP P0C0W1

- Molecule 81 is a protein called 60S ribosomal protein L12-A (uL11).

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

- Molecule 82 is a protein called 60S ribosomal protein L15-A.

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

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

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

- Molecule 84 is a protein called 60S ribosomal protein P1 alpha/P2 beta.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
			Total	C	N	O			
84	p1	47	235	141	47	47	0	0	0
84	p2	46	230	138	46	46	0	0	0

- Molecule 85 is a protein called Eukaryotic translation initiation factor 5A-1.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
			Total	C	N	O	S			
85	f	148	1122	696	189	228	9	0	0	0

- Molecule 86 is a protein called 60S ribosomal protein L1-A (uL1).

Mol	Chain	Residues	Atoms			ZeroOcc	AltConf	Trace	
			Total	C	N				O
86	11	213	1063	637	213	213	0	0	0

- Molecule 87 is MAGNESIUM ION (three-letter code: MG) (formula: Mg).

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
87	2	96	Total 96	Mg 96	0	0
87	S4	1	Total 1	Mg 1	0	0
87	S9	1	Total 1	Mg 1	0	0
87	D4	1	Total 1	Mg 1	0	0
87	D9	1	Total 1	Mg 1	0	0
87	SM	1	Total 1	Mg 1	0	0
87	1	362	Total 362	Mg 362	0	0
87	3	9	Total 9	Mg 9	0	0
87	4	20	Total 20	Mg 20	0	0
87	L2	2	Total 2	Mg 2	0	0
87	L3	3	Total 3	Mg 3	0	0
87	L6	1	Total 1	Mg 1	0	0
87	L7	3	Total 3	Mg 3	0	0
87	M0	1	Total 1	Mg 1	0	0
87	M3	2	Total 2	Mg 2	0	0
87	M6	1	Total 1	Mg 1	0	0
87	M7	3	Total 3	Mg 3	0	0
87	M8	1	Total 1	Mg 1	0	0

Continued on next page...

Continued from previous page...

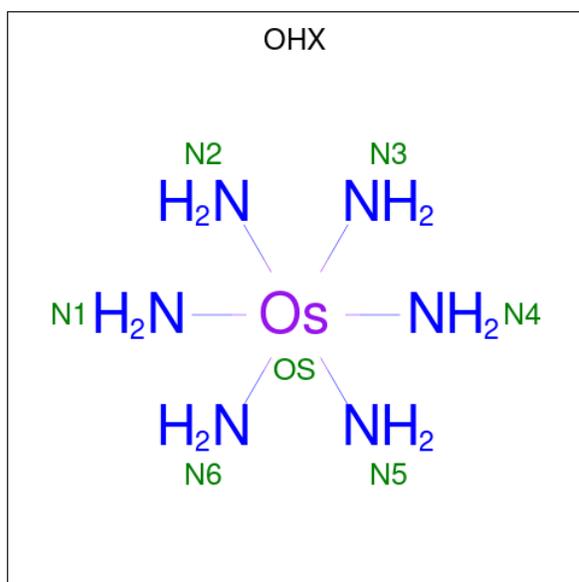
Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
87	N0	1	Total 1	Mg 1	0	0
87	N3	3	Total 3	Mg 3	0	0
87	N6	1	Total 1	Mg 1	0	0
87	N8	4	Total 4	Mg 4	0	0
87	N9	1	Total 1	Mg 1	0	0
87	O2	1	Total 1	Mg 1	0	0
87	O3	2	Total 2	Mg 2	0	0
87	O4	1	Total 1	Mg 1	0	0
87	O7	3	Total 3	Mg 3	0	0
87	Q0	1	Total 1	Mg 1	0	0
87	Q2	1	Total 1	Mg 1	0	0
87	6	115	Total 115	Mg 115	0	0
87	s8	1	Total 1	Mg 1	0	0
87	c7	1	Total 1	Mg 1	0	0
87	d2	1	Total 1	Mg 1	0	0
87	d3	1	Total 1	Mg 1	0	0
87	d6	1	Total 1	Mg 1	0	0
87	sM	1	Total 1	Mg 1	0	0
87	5	400	Total 400	Mg 400	0	0
87	7	16	Total 16	Mg 16	0	0
87	8	12	Total 12	Mg 12	0	0

Continued on next page...

Continued from previous page...

Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
87	l2	3	Total Mg 3 3	0	0
87	l3	1	Total Mg 1 1	0	0
87	l5	1	Total Mg 1 1	0	0
87	l7	1	Total Mg 1 1	0	0
87	m0	1	Total Mg 1 1	0	0
87	m3	1	Total Mg 1 1	0	0
87	m6	2	Total Mg 2 2	0	0
87	m7	3	Total Mg 3 3	0	0
87	n0	2	Total Mg 2 2	0	0
87	n3	1	Total Mg 1 1	0	0
87	n6	1	Total Mg 1 1	0	0
87	n8	3	Total Mg 3 3	0	0
87	n9	2	Total Mg 2 2	0	0
87	o2	2	Total Mg 2 2	0	0
87	o4	1	Total Mg 1 1	0	0
87	o9	1	Total Mg 1 1	0	0
87	q0	1	Total Mg 1 1	0	0
87	q1	1	Total Mg 1 1	0	0
87	f	3	Total Mg 3 3	0	0

- Molecule 88 is osmium (III) hexammine (three-letter code: OHX) (formula: H₁₂N₆Os).



Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
88	2	1	Total	N	Os	0	0
			7	6	1		
88	2	1	Total	N	Os	0	0
			7	6	1		
88	2	1	Total	N	Os	0	0
			7	6	1		
88	2	1	Total	N	Os	0	0
			7	6	1		
88	2	1	Total	N	Os	0	0
			7	6	1		
88	2	1	Total	N	Os	0	0
			7	6	1		
88	2	1	Total	N	Os	0	0
			7	6	1		
88	2	1	Total	N	Os	0	0
			7	6	1		
88	2	1	Total	N	Os	0	0
			7	6	1		
88	2	1	Total	N	Os	0	0
			7	6	1		

Continued on next page...

Continued from previous page...

Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
			Total	N	Os		
88	2	1	7	6	1	0	0
88	2	1	7	6	1	0	0
88	2	1	7	6	1	0	0
88	2	1	7	6	1	0	0
88	2	1	7	6	1	0	0
88	2	1	7	6	1	0	0
88	2	1	7	6	1	0	0
88	2	1	7	6	1	0	0
88	2	1	7	6	1	0	0
88	2	1	7	6	1	0	0
88	2	1	7	6	1	0	0
88	2	1	7	6	1	0	0
88	2	1	7	6	1	0	0
88	2	1	7	6	1	0	0
88	2	1	7	6	1	0	0
88	2	1	7	6	1	0	0
88	2	1	7	6	1	0	0
88	2	1	7	6	1	0	0
88	2	1	7	6	1	0	0
88	2	1	7	6	1	0	0
88	2	1	7	6	1	0	0
88	2	1	7	6	1	1	0
88	2	1	7	6	1	0	0
88	2	1	7	6	1	1	0

Continued on next page...

Continued from previous page...

Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
			Total	N	Os		
88	2	1	7	6	1	0	0
88	2	1	7	6	1	0	0
88	2	1	7	6	1	0	0
88	2	1	7	6	1	0	0
88	2	1	7	6	1	0	0
88	2	1	7	6	1	0	0
88	2	1	7	6	1	0	0
88	2	1	7	6	1	0	0
88	2	1	7	6	1	0	0
88	2	1	7	6	1	0	0
88	2	1	7	6	1	0	0
88	2	1	7	6	1	0	0
88	2	1	7	6	1	0	0
88	2	1	7	6	1	0	0
88	2	1	7	6	1	0	0
88	2	1	7	6	1	0	0
88	2	1	7	6	1	0	0
88	2	1	7	6	1	0	0
88	2	1	7	6	1	0	0
88	2	1	7	6	1	0	0
88	2	1	7	6	1	0	0
88	2	1	7	6	1	0	0
88	2	1	7	6	1	0	0
88	2	1	7	6	1	0	0

Continued on next page...

Continued from previous page...

Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
			Total	N	Os		
88	2	1	7	6	1	0	0
88	2	1	7	6	1	0	0
88	2	1	7	6	1	0	0
88	2	1	7	6	1	0	0
88	2	1	7	6	1	0	0
88	2	1	7	6	1	0	0
88	2	1	7	6	1	0	0
88	2	1	7	6	1	0	0
88	2	1	7	6	1	0	0
88	2	1	7	6	1	0	0
88	2	1	7	6	1	0	0
88	2	1	7	6	1	1	0
88	2	1	7	6	1	0	0
88	2	1	7	6	1	0	0
88	2	1	7	6	1	0	0
88	2	1	7	6	1	0	0
88	2	1	7	6	1	0	0
88	2	1	7	6	1	0	0
88	2	1	7	6	1	0	0
88	2	1	7	6	1	0	0
88	2	1	7	6	1	0	0
88	2	1	7	6	1	0	0
88	2	1	7	6	1	0	0
88	2	1	7	6	1	0	0
88	2	1	7	6	1	0	0
88	2	1	7	6	1	0	0
88	2	1	7	6	1	0	0
88	2	1	7	6	1	0	0
88	2	1	7	6	1	0	0
88	S1	1	7	6	1	0	0
88	S6	1	7	6	1	0	0

Continued on next page...

Continued from previous page...

Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
			Total	N	Os		
88	S8	1	7	6	1	0	0
88	S9	1	7	6	1	1	0
88	C1	1	7	6	1	0	0
88	C3	1	7	6	1	0	0
88	C5	1	7	6	1	0	0
88	C8	1	7	6	1	1	0
88	D9	1	7	6	1	0	0
88	SR	1	7	6	1	0	0
88	1	1	7	6	1	1	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	2	0
88	1	1	7	6	1	2	0
88	1	1	7	6	1	1	0
88	1	1	7	6	1	1	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0

Continued on next page...

Continued from previous page...

Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
			Total	N	Os		
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0

Continued on next page...

Continued from previous page...

Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
			Total	N	Os		
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	1	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0

Continued on next page...

Continued from previous page...

Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
			Total	N	Os		
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0

Continued on next page...

Continued from previous page...

Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
			Total	N	Os		
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0

Continued on next page...

Continued from previous page...

Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
			Total	N	Os		
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0

Continued on next page...

Continued from previous page...

Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
			Total	N	Os		
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	1	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0

Continued on next page...

Continued from previous page...

Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
			Total	N	Os		
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0

Continued on next page...

Continued from previous page...

Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
			Total	N	Os		
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0

Continued on next page...

Continued from previous page...

Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
			Total	N	Os		
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	1	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0

Continued on next page...

Continued from previous page...

Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
			Total	N	Os		
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	1	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0

Continued on next page...

Continued from previous page...

Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
			Total	N	Os		
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0

Continued on next page...

Continued from previous page...

Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
			Total	N	Os		
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0

Continued on next page...

Continued from previous page...

Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
			Total	N	Os		
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	1	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	1	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0

Continued on next page...

Continued from previous page...

Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
			Total	N	Os		
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0

Continued on next page...

Continued from previous page...

Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
			Total	N	Os		
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0

Continued on next page...

Continued from previous page...

Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
			Total	N	Os		
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0

Continued on next page...

Continued from previous page...

Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
			Total	N	Os		
88	1	1	7	6	1	0	0
88	1	1	7	6	1	0	0
88	3	1	7	6	1	0	0
88	3	1	7	6	1	0	0
88	3	1	7	6	1	0	0
88	3	1	7	6	1	0	0
88	3	1	7	6	1	0	0
88	3	1	7	6	1	0	0
88	3	1	7	6	1	0	0
88	3	1	7	6	1	0	0
88	3	1	7	6	1	0	0
88	3	1	7	6	1	0	0
88	3	1	7	6	1	0	0
88	3	1	7	6	1	0	0
88	3	1	7	6	1	0	0
88	3	1	7	6	1	0	0
88	3	1	7	6	1	0	0
88	4	1	7	6	1	1	0
88	4	1	7	6	1	0	0
88	4	1	7	6	1	0	0
88	4	1	7	6	1	0	0
88	4	1	7	6	1	0	0
88	4	1	7	6	1	0	0
88	4	1	7	6	1	0	0
88	4	1	7	6	1	0	0
88	4	1	7	6	1	0	0

Continued on next page...

Continued from previous page...

Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
			Total	N	Os		
88	4	1	7	6	1	0	0
88	4	1	7	6	1	0	0
88	4	1	7	6	1	1	0
88	4	1	7	6	1	1	0
88	4	1	7	6	1	0	0
88	4	1	7	6	1	0	0
88	4	1	7	6	1	0	0
88	4	1	7	6	1	0	0
88	4	1	7	6	1	0	0
88	L3	1	7	6	1	0	0
88	L4	1	7	6	1	0	0
88	L5	1	7	6	1	0	0
88	M0	1	7	6	1	0	0
88	M0	1	7	6	1	0	0
88	M5	1	7	6	1	0	0
88	M7	1	7	6	1	0	0
88	M7	1	7	6	1	0	0
88	M8	1	7	6	1	0	0
88	M9	1	7	6	1	0	0
88	N1	1	7	6	1	0	0
88	N8	1	7	6	1	0	0
88	N9	1	7	6	1	0	0

Continued on next page...

Continued from previous page...

Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
			Total	N	Os		
88	O3	1	7	6	1	0	0
88	O7	1	7	6	1	1	0
88	O7	1	7	6	1	0	0
88	O9	1	7	6	1	0	0
88	Q2	1	7	6	1	0	0
88	6	1	7	6	1	1	0
88	6	1	7	6	1	1	0
88	6	1	7	6	1	0	0
88	6	1	7	6	1	0	0
88	6	1	7	6	1	0	0
88	6	1	7	6	1	0	0
88	6	1	7	6	1	1	0
88	6	1	7	6	1	0	0
88	6	1	7	6	1	0	0
88	6	1	7	6	1	0	0
88	6	1	7	6	1	0	0
88	6	1	7	6	1	0	0
88	6	1	7	6	1	0	0
88	6	1	7	6	1	0	0
88	6	1	7	6	1	0	0
88	6	1	7	6	1	0	0
88	6	1	7	6	1	0	0
88	6	1	7	6	1	0	0

Continued on next page...

Continued from previous page...

Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
			Total	N	Os		
88	6	1	7	6	1	0	0
88	6	1	7	6	1	0	0
88	6	1	7	6	1	0	0
88	6	1	7	6	1	0	0
88	6	1	7	6	1	0	0
88	6	1	7	6	1	0	0
88	6	1	7	6	1	0	0
88	6	1	7	6	1	0	0
88	6	1	7	6	1	0	0
88	6	1	7	6	1	0	0
88	6	1	7	6	1	0	0
88	6	1	7	6	1	0	0
88	6	1	7	6	1	0	0
88	6	1	7	6	1	0	0
88	6	1	7	6	1	0	0
88	6	1	7	6	1	0	0
88	6	1	7	6	1	0	0
88	6	1	7	6	1	0	0
88	6	1	7	6	1	0	0
88	6	1	7	6	1	0	0
88	6	1	7	6	1	0	0
88	6	1	7	6	1	0	0
88	6	1	7	6	1	0	0
88	6	1	7	6	1	0	0

Continued on next page...

Continued from previous page...

Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
			Total	N	Os		
88	6	1	Total 7	N 6	Os 1	0	0
88	6	1	Total 7	N 6	Os 1	0	0
88	6	1	Total 7	N 6	Os 1	0	0
88	6	1	Total 7	N 6	Os 1	0	0
88	6	1	Total 7	N 6	Os 1	0	0
88	6	1	Total 7	N 6	Os 1	0	0
88	6	1	Total 7	N 6	Os 1	0	0
88	6	1	Total 7	N 6	Os 1	0	0
88	6	1	Total 7	N 6	Os 1	0	0
88	6	1	Total 7	N 6	Os 1	0	0
88	6	1	Total 7	N 6	Os 1	0	0
88	6	1	Total 7	N 6	Os 1	0	0
88	6	1	Total 7	N 6	Os 1	0	0
88	6	1	Total 7	N 6	Os 1	0	0
88	6	1	Total 7	N 6	Os 1	0	0
88	6	1	Total 7	N 6	Os 1	0	0
88	6	1	Total 7	N 6	Os 1	0	0
88	6	1	Total 7	N 6	Os 1	0	0
88	6	1	Total 7	N 6	Os 1	0	0
88	6	1	Total 7	N 6	Os 1	0	0
88	6	1	Total 7	N 6	Os 1	0	0
88	6	1	Total 7	N 6	Os 1	0	0
88	6	1	Total 7	N 6	Os 1	0	0
88	6	1	Total 7	N 6	Os 1	0	0
88	6	1	Total 7	N 6	Os 1	0	0
88	6	1	Total 7	N 6	Os 1	0	0
88	6	1	Total 7	N 6	Os 1	0	0

Continued on next page...

Continued from previous page...

Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
			Total	N	Os		
88	6	1	7	6	1	0	0
88	6	1	7	6	1	0	0
88	6	1	7	6	1	0	0
88	6	1	7	6	1	0	0
88	6	1	7	6	1	0	0
88	6	1	7	6	1	0	0
88	6	1	7	6	1	0	0
88	6	1	7	6	1	0	0
88	6	1	7	6	1	0	0
88	6	1	7	6	1	0	0
88	6	1	7	6	1	0	0
88	6	1	7	6	1	0	0
88	6	1	7	6	1	0	0
88	6	1	7	6	1	0	0
88	6	1	7	6	1	1	0
88	6	1	7	6	1	0	0
88	6	1	7	6	1	0	0
88	6	1	7	6	1	0	0
88	6	1	7	6	1	0	0
88	6	1	7	6	1	0	0
88	6	1	7	6	1	0	0
88	6	1	7	6	1	0	0
88	6	1	7	6	1	0	0
88	6	1	7	6	1	0	0
88	6	1	7	6	1	0	0

Continued on next page...

Continued from previous page...

Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
			Total	N	Os		
88	6	1	Total 7	N 6	Os 1	1	0
88	6	1	Total 7	N 6	Os 1	0	0
88	6	1	Total 7	N 6	Os 1	0	0
88	6	1	Total 7	N 6	Os 1	0	0
88	6	1	Total 7	N 6	Os 1	0	0
88	6	1	Total 7	N 6	Os 1	0	0
88	6	1	Total 7	N 6	Os 1	0	0
88	6	1	Total 7	N 6	Os 1	0	0
88	6	1	Total 7	N 6	Os 1	0	0
88	6	1	Total 7	N 6	Os 1	0	0
88	6	1	Total 7	N 6	Os 1	0	0
88	6	1	Total 7	N 6	Os 1	0	0
88	6	1	Total 7	N 6	Os 1	0	0
88	6	1	Total 7	N 6	Os 1	0	0
88	6	1	Total 7	N 6	Os 1	0	0
88	6	1	Total 7	N 6	Os 1	0	0
88	6	1	Total 7	N 6	Os 1	0	0
88	6	1	Total 7	N 6	Os 1	0	0
88	6	1	Total 7	N 6	Os 1	0	0
88	6	1	Total 7	N 6	Os 1	0	0
88	6	1	Total 7	N 6	Os 1	0	0
88	6	1	Total 7	N 6	Os 1	0	0

Continued on next page...

Continued from previous page...

Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
			Total	N	Os		
88	6	1	7	6	1	0	0
88	6	1	7	6	1	0	0
88	6	1	7	6	1	0	0
88	6	1	7	6	1	0	0
88	6	1	7	6	1	0	0
88	6	1	7	6	1	0	0
88	6	1	7	6	1	0	0
88	6	1	7	6	1	0	0
88	6	1	7	6	1	0	0
88	6	1	7	6	1	0	0
88	6	1	7	6	1	0	0
88	6	1	7	6	1	0	0
88	6	1	7	6	1	0	0
88	6	1	7	6	1	0	0
88	6	1	7	6	1	0	0
88	6	1	7	6	1	0	0
88	6	1	7	6	1	0	0
88	6	1	7	6	1	0	0
88	6	1	7	6	1	0	0
88	6	1	7	6	1	0	0
88	6	1	7	6	1	0	0
88	6	1	7	6	1	1	0
88	6	1	7	6	1	0	0

Continued on next page...

Continued from previous page...

Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
			Total	N	Os		
88	6	1	7	6	1	0	0
88	6	1	7	6	1	0	0
88	6	1	7	6	1	0	0
88	6	1	7	6	1	1	0
88	6	1	7	6	1	0	0
88	6	1	7	6	1	0	0
88	6	1	7	6	1	0	0
88	6	1	7	6	1	0	0
88	6	1	7	6	1	0	0
88	6	1	7	6	1	0	0
88	6	1	7	6	1	0	0
88	6	1	7	6	1	0	0
88	6	1	7	6	1	0	0
88	6	1	7	6	1	0	0
88	6	1	7	6	1	0	0
88	6	1	7	6	1	0	0
88	6	1	7	6	1	0	0
88	6	1	7	6	1	0	0
88	6	1	7	6	1	0	0
88	6	1	7	6	1	0	0
88	6	1	7	6	1	0	0
88	6	1	7	6	1	0	0
88	6	1	7	6	1	0	0
88	6	1	7	6	1	0	0
88	6	1	7	6	1	0	0
88	6	1	7	6	1	0	0
88	6	1	7	6	1	0	0
88	6	1	7	6	1	0	0
88	6	1	7	6	1	0	0
88	6	1	7	6	1	0	0
88	6	1	7	6	1	0	0
88	6	1	7	6	1	0	0
88	6	1	7	6	1	0	0

Continued on next page...

Continued from previous page...

Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
			Total	N	Os		
88	6	1	Total 7	N 6	Os 1	0	0
88	6	1	Total 7	N 6	Os 1	0	0
88	6	1	Total 7	N 6	Os 1	0	0
88	6	1	Total 7	N 6	Os 1	0	0
88	6	1	Total 7	N 6	Os 1	0	0
88	6	1	Total 7	N 6	Os 1	0	0
88	6	1	Total 7	N 6	Os 1	0	0
88	6	1	Total 7	N 6	Os 1	0	0
88	6	1	Total 7	N 6	Os 1	0	0
88	6	1	Total 7	N 6	Os 1	0	0
88	6	1	Total 7	N 6	Os 1	0	0
88	6	1	Total 7	N 6	Os 1	0	0
88	6	1	Total 7	N 6	Os 1	0	0
88	6	1	Total 7	N 6	Os 1	0	0
88	6	1	Total 7	N 6	Os 1	0	0
88	6	1	Total 7	N 6	Os 1	0	0
88	6	1	Total 7	N 6	Os 1	0	0
88	6	1	Total 7	N 6	Os 1	0	0
88	6	1	Total 7	N 6	Os 1	0	0
88	6	1	Total 7	N 6	Os 1	0	0
88	6	1	Total 7	N 6	Os 1	0	0
88	6	1	Total 7	N 6	Os 1	0	0
88	6	1	Total 7	N 6	Os 1	0	0
88	6	1	Total 7	N 6	Os 1	0	0
88	6	1	Total 7	N 6	Os 1	0	0
88	6	1	Total 7	N 6	Os 1	0	0
88	6	1	Total 7	N 6	Os 1	0	0
88	6	1	Total 7	N 6	Os 1	0	0
88	6	1	Total 7	N 6	Os 1	0	0
88	6	1	Total 7	N 6	Os 1	0	0

Continued on next page...

Continued from previous page...

Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
			Total	N	Os		
88	6	1	7	6	1	0	0
88	6	1	7	6	1	0	0
88	6	1	7	6	1	0	0
88	6	1	7	6	1	0	0
88	6	1	7	6	1	0	0
88	6	1	7	6	1	0	0
88	6	1	7	6	1	0	0
88	6	1	7	6	1	0	0
88	6	1	7	6	1	0	0
88	6	1	7	6	1	0	0
88	6	1	7	6	1	0	0
88	s1	1	7	6	1	0	0
88	s4	1	7	6	1	0	0
88	s8	1	7	6	1	0	0
88	s9	1	7	6	1	0	0
88	c3	1	7	6	1	0	0
88	c5	1	7	6	1	0	0
88	c8	1	7	6	1	0	0
88	sR	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	1	0
88	5	1	7	6	1	0	0

Continued on next page...

Continued from previous page...

Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
			Total	N	Os		
88	5	1	Total 7	N 6	Os 1	2	0
88	5	1	Total 7	N 6	Os 1	1	0
88	5	1	Total 7	N 6	Os 1	1	0
88	5	1	Total 7	N 6	Os 1	2	0
88	5	1	Total 7	N 6	Os 1	1	0
88	5	1	Total 7	N 6	Os 1	1	0
88	5	1	Total 7	N 6	Os 1	0	0
88	5	1	Total 7	N 6	Os 1	0	0
88	5	1	Total 7	N 6	Os 1	0	0
88	5	1	Total 7	N 6	Os 1	0	0
88	5	1	Total 7	N 6	Os 1	0	0
88	5	1	Total 7	N 6	Os 1	0	0
88	5	1	Total 7	N 6	Os 1	0	0
88	5	1	Total 7	N 6	Os 1	2	0
88	5	1	Total 7	N 6	Os 1	0	0
88	5	1	Total 7	N 6	Os 1	0	0
88	5	1	Total 7	N 6	Os 1	0	0
88	5	1	Total 7	N 6	Os 1	0	0
88	5	1	Total 7	N 6	Os 1	0	0
88	5	1	Total 7	N 6	Os 1	0	0
88	5	1	Total 7	N 6	Os 1	0	0
88	5	1	Total 7	N 6	Os 1	0	0
88	5	1	Total 7	N 6	Os 1	0	0
88	5	1	Total 7	N 6	Os 1	0	0
88	5	1	Total 7	N 6	Os 1	0	0

Continued on next page...

Continued from previous page...

Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
			Total	N	Os		
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	1	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0

Continued on next page...

Continued from previous page...

Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
			Total	N	Os		
88	5	1	Total 7	N 6	Os 1	0	0
88	5	1	Total 7	N 6	Os 1	0	0
88	5	1	Total 7	N 6	Os 1	0	0
88	5	1	Total 7	N 6	Os 1	0	0
88	5	1	Total 7	N 6	Os 1	0	0
88	5	1	Total 7	N 6	Os 1	0	0
88	5	1	Total 7	N 6	Os 1	0	0
88	5	1	Total 7	N 6	Os 1	0	0
88	5	1	Total 7	N 6	Os 1	0	0
88	5	1	Total 7	N 6	Os 1	0	0
88	5	1	Total 7	N 6	Os 1	0	0
88	5	1	Total 7	N 6	Os 1	0	0
88	5	1	Total 7	N 6	Os 1	0	0
88	5	1	Total 7	N 6	Os 1	0	0
88	5	1	Total 7	N 6	Os 1	0	0
88	5	1	Total 7	N 6	Os 1	0	0
88	5	1	Total 7	N 6	Os 1	0	0
88	5	1	Total 7	N 6	Os 1	0	0
88	5	1	Total 7	N 6	Os 1	0	0
88	5	1	Total 7	N 6	Os 1	0	0
88	5	1	Total 7	N 6	Os 1	0	0
88	5	1	Total 7	N 6	Os 1	0	0
88	5	1	Total 7	N 6	Os 1	0	0
88	5	1	Total 7	N 6	Os 1	0	0

Continued on next page...

Continued from previous page...

Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
			Total	N	Os		
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0

Continued on next page...

Continued from previous page...

Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
			Total	N	Os		
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0

Continued on next page...

Continued from previous page...

Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
			Total	N	Os		
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	1	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	1	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0

Continued on next page...

Continued from previous page...

Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
			Total	N	Os		
88	5	1	7	6	1	0	0
88	5	1	7	6	1	1	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0

Continued on next page...

Continued from previous page...

Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
			Total	N	Os		
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	1	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	1	0

Continued on next page...

Continued from previous page...

Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
			Total	N	Os		
88	5	1	Total 7	N 6	Os 1	0	0
88	5	1	Total 7	N 6	Os 1	0	0
88	5	1	Total 7	N 6	Os 1	0	0
88	5	1	Total 7	N 6	Os 1	0	0
88	5	1	Total 7	N 6	Os 1	0	0
88	5	1	Total 7	N 6	Os 1	0	0
88	5	1	Total 7	N 6	Os 1	0	0
88	5	1	Total 7	N 6	Os 1	0	0
88	5	1	Total 7	N 6	Os 1	0	0
88	5	1	Total 7	N 6	Os 1	0	0
88	5	1	Total 7	N 6	Os 1	0	0
88	5	1	Total 7	N 6	Os 1	0	0
88	5	1	Total 7	N 6	Os 1	0	0
88	5	1	Total 7	N 6	Os 1	0	0
88	5	1	Total 7	N 6	Os 1	0	0
88	5	1	Total 7	N 6	Os 1	0	0
88	5	1	Total 7	N 6	Os 1	0	0
88	5	1	Total 7	N 6	Os 1	0	0
88	5	1	Total 7	N 6	Os 1	0	0
88	5	1	Total 7	N 6	Os 1	0	0
88	5	1	Total 7	N 6	Os 1	0	0
88	5	1	Total 7	N 6	Os 1	0	0
88	5	1	Total 7	N 6	Os 1	0	0
88	5	1	Total 7	N 6	Os 1	0	0
88	5	1	Total 7	N 6	Os 1	0	0

Continued on next page...

Continued from previous page...

Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
			Total	N	Os		
88	5	1	Total 7	N 6	Os 1	0	0
88	5	1	Total 7	N 6	Os 1	0	0
88	5	1	Total 7	N 6	Os 1	0	0
88	5	1	Total 7	N 6	Os 1	0	0
88	5	1	Total 7	N 6	Os 1	0	0
88	5	1	Total 7	N 6	Os 1	0	0
88	5	1	Total 7	N 6	Os 1	0	0
88	5	1	Total 7	N 6	Os 1	0	0
88	5	1	Total 7	N 6	Os 1	0	0
88	5	1	Total 7	N 6	Os 1	0	0
88	5	1	Total 7	N 6	Os 1	0	0
88	5	1	Total 7	N 6	Os 1	0	0
88	5	1	Total 7	N 6	Os 1	0	0
88	5	1	Total 7	N 6	Os 1	0	0
88	5	1	Total 7	N 6	Os 1	0	0
88	5	1	Total 7	N 6	Os 1	0	0
88	5	1	Total 7	N 6	Os 1	0	0
88	5	1	Total 7	N 6	Os 1	0	0
88	5	1	Total 7	N 6	Os 1	0	0
88	5	1	Total 7	N 6	Os 1	0	0
88	5	1	Total 7	N 6	Os 1	0	0

Continued on next page...

Continued from previous page...

Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
			Total	N	Os		
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	1	0
88	5	1	7	6	1	1	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0

Continued on next page...

Continued from previous page...

Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
			Total	N	Os		
88	5	1	Total 7	N 6	Os 1	0	0
88	5	1	Total 7	N 6	Os 1	0	0
88	5	1	Total 7	N 6	Os 1	0	0
88	5	1	Total 7	N 6	Os 1	0	0
88	5	1	Total 7	N 6	Os 1	0	0
88	5	1	Total 7	N 6	Os 1	0	0
88	5	1	Total 7	N 6	Os 1	0	0
88	5	1	Total 7	N 6	Os 1	0	0
88	5	1	Total 7	N 6	Os 1	0	0
88	5	1	Total 7	N 6	Os 1	0	0
88	5	1	Total 7	N 6	Os 1	0	0
88	5	1	Total 7	N 6	Os 1	0	0
88	5	1	Total 7	N 6	Os 1	0	0
88	5	1	Total 7	N 6	Os 1	0	0
88	5	1	Total 7	N 6	Os 1	0	0
88	5	1	Total 7	N 6	Os 1	0	0
88	5	1	Total 7	N 6	Os 1	0	0
88	5	1	Total 7	N 6	Os 1	0	0
88	5	1	Total 7	N 6	Os 1	0	0
88	5	1	Total 7	N 6	Os 1	1	0
88	5	1	Total 7	N 6	Os 1	0	0

Continued on next page...

Continued from previous page...

Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
			Total	N	Os		
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	2	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0

Continued on next page...

Continued from previous page...

Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
			Total	N	Os		
88	5	1	Total 7	N 6	Os 1	1	0
88	5	1	Total 7	N 6	Os 1	1	0
88	5	1	Total 7	N 6	Os 1	0	0
88	5	1	Total 7	N 6	Os 1	0	0
88	5	1	Total 7	N 6	Os 1	0	0
88	5	1	Total 7	N 6	Os 1	0	0
88	5	1	Total 7	N 6	Os 1	0	0
88	5	1	Total 7	N 6	Os 1	0	0
88	5	1	Total 7	N 6	Os 1	0	0
88	5	1	Total 7	N 6	Os 1	0	0
88	5	1	Total 7	N 6	Os 1	0	0
88	5	1	Total 7	N 6	Os 1	0	0
88	5	1	Total 7	N 6	Os 1	0	0
88	5	1	Total 7	N 6	Os 1	0	0
88	5	1	Total 7	N 6	Os 1	0	0
88	5	1	Total 7	N 6	Os 1	0	0
88	5	1	Total 7	N 6	Os 1	0	0
88	5	1	Total 7	N 6	Os 1	1	0
88	5	1	Total 7	N 6	Os 1	0	0
88	5	1	Total 7	N 6	Os 1	0	0
88	5	1	Total 7	N 6	Os 1	0	0
88	5	1	Total 7	N 6	Os 1	0	0
88	5	1	Total 7	N 6	Os 1	0	0
88	5	1	Total 7	N 6	Os 1	0	0

Continued on next page...

Continued from previous page...

Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
			Total	N	Os		
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	2	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	1	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	2	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0

Continued on next page...

Continued from previous page...

Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
			Total	N	Os		
88	5	1	7	6	1	1	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0

Continued on next page...

Continued from previous page...

Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
			Total	N	Os		
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	5	1	7	6	1	0	0
88	7	1	7	6	1	0	0
88	7	1	7	6	1	0	0
88	7	1	7	6	1	0	0
88	7	1	7	6	1	0	0
88	7	1	7	6	1	0	0
88	7	1	7	6	1	0	0
88	7	1	7	6	1	0	0
88	7	1	7	6	1	0	0
88	7	1	7	6	1	0	0
88	7	1	7	6	1	0	0
88	7	1	7	6	1	0	0
88	7	1	7	6	1	0	0
88	7	1	7	6	1	0	0
88	7	1	7	6	1	0	0
88	7	1	7	6	1	0	0
88	8	1	7	6	1	1	0
88	8	1	7	6	1	0	0
88	8	1	7	6	1	0	0

Continued on next page...

Continued from previous page...

Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
			Total	N	Os		
88	8	1	7	6	1	0	0
88	8	1	7	6	1	0	0
88	8	1	7	6	1	0	0
88	8	1	7	6	1	0	0
88	8	1	7	6	1	0	0
88	8	1	7	6	1	0	0
88	8	1	7	6	1	0	0
88	8	1	7	6	1	0	0
88	8	1	7	6	1	0	0
88	8	1	7	6	1	0	0
88	8	1	7	6	1	0	0
88	8	1	7	6	1	1	0
88	8	1	7	6	1	0	0
88	8	1	7	6	1	0	0
88	8	1	7	6	1	0	0
88	8	1	7	6	1	0	0
88	8	1	7	6	1	0	0
88	8	1	7	6	1	0	0
88	8	1	7	6	1	0	0
88	13	1	7	6	1	0	0
88	13	1	7	6	1	0	0
88	13	1	7	6	1	0	0
88	14	1	7	6	1	0	0

Continued on next page...

Continued from previous page...

Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
			Total	N	Os		
88	l4	1	7	6	1	0	0
88	l5	1	7	6	1	0	0
88	l5	1	7	6	1	0	0
88	l9	1	7	6	1	0	0
88	m0	1	7	6	1	0	0
88	m0	1	7	6	1	0	0
88	m0	1	7	6	1	0	0
88	m5	1	7	6	1	0	0
88	m7	1	7	6	1	0	0
88	m9	1	7	6	1	0	0
88	n3	1	7	6	1	0	0
88	n6	1	7	6	1	0	0
88	n9	1	7	6	1	0	0
88	o3	1	7	6	1	0	0
88	o7	1	7	6	1	0	0
88	o9	1	7	6	1	0	0
88	q1	1	7	6	1	1	0
88	q2	1	7	6	1	0	0

- Molecule 89 is ZINC ION (three-letter code: ZN) (formula: Zn).

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
89	D6	1	Total	Zn	0	0
			1	1		

Continued on next page...

Continued from previous page...

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

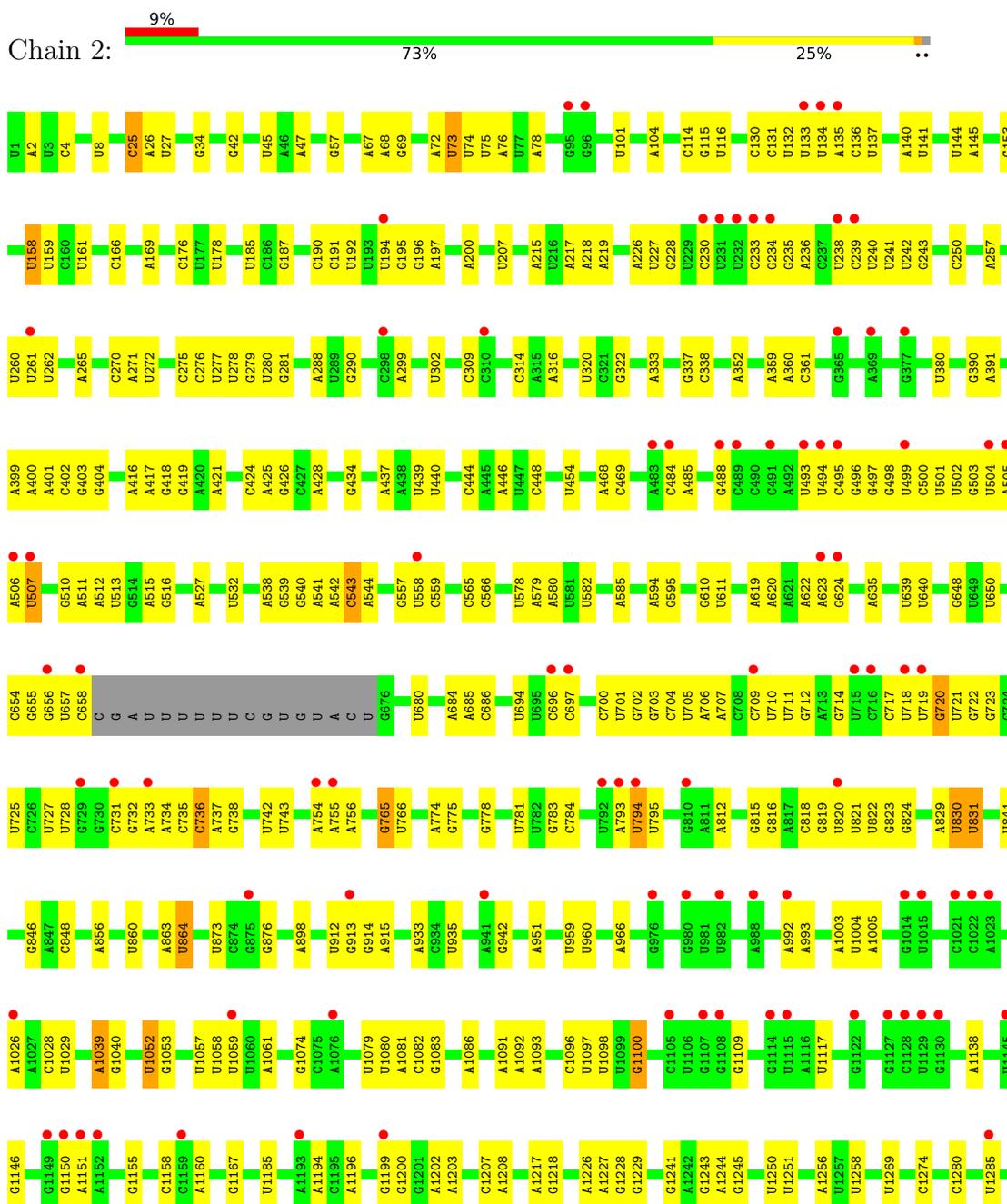
- Molecule 90 is water.

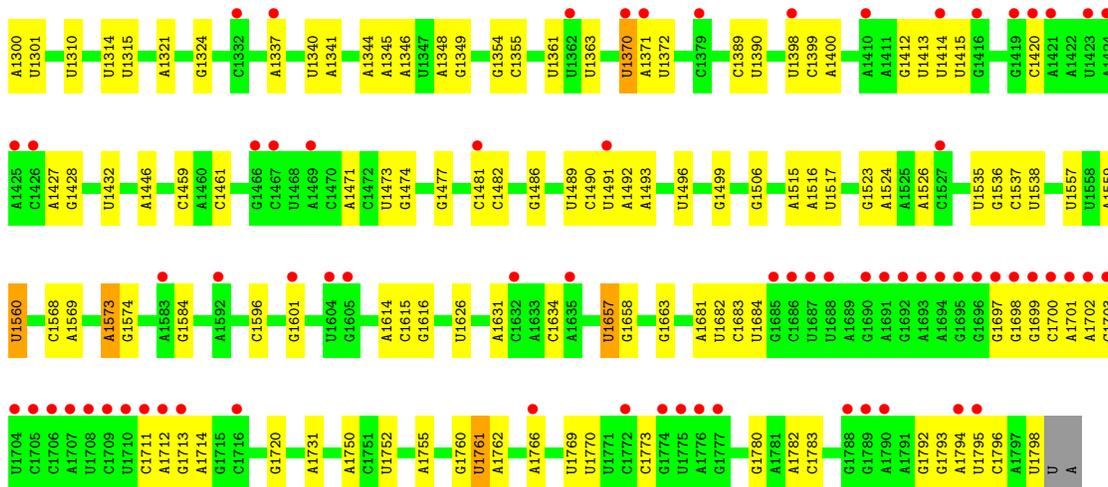
Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
90	5	3	Total O 3 3	0	0
90	f	9	Total O 9 9	0	0

3 Residue-property plots i

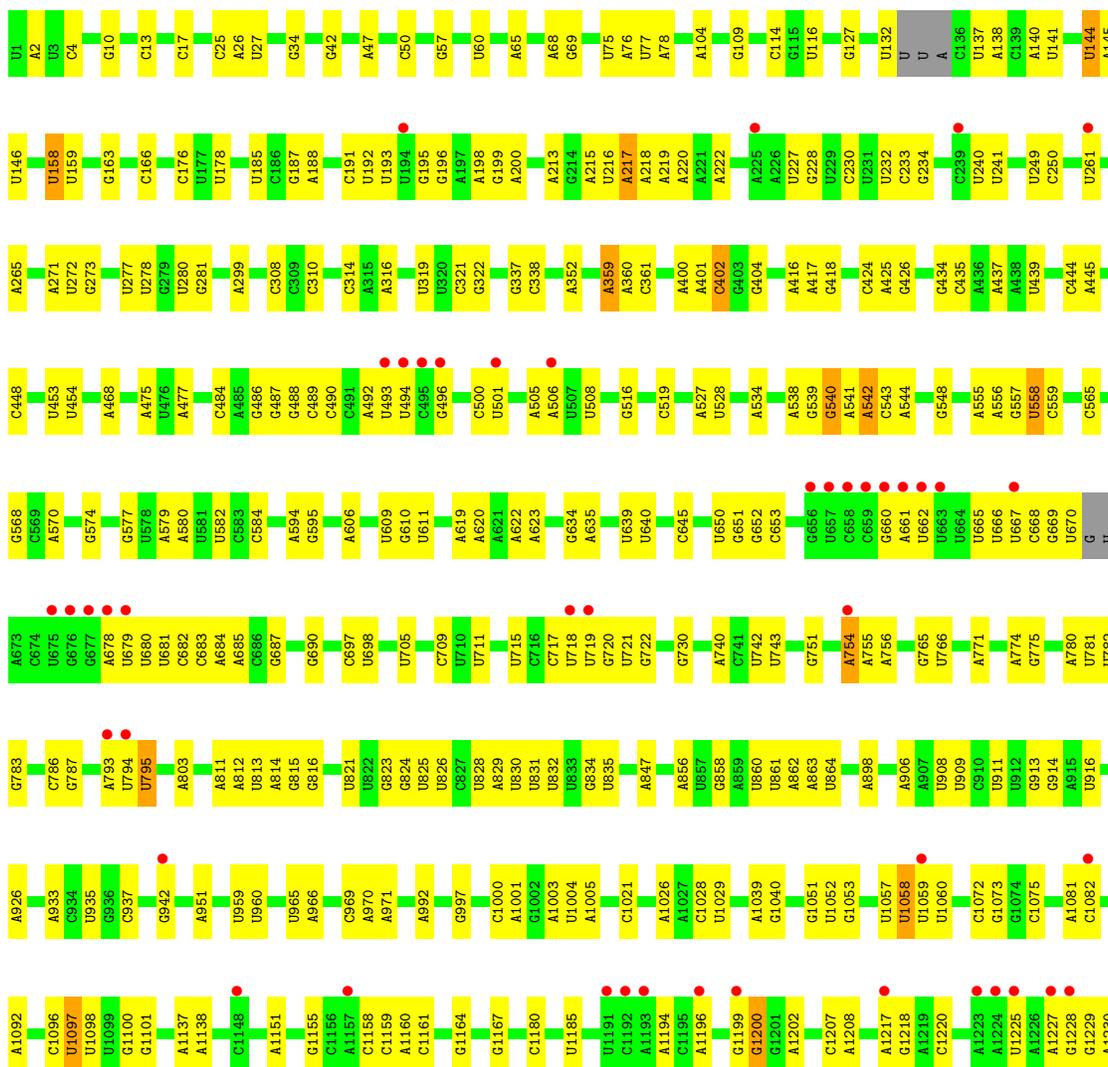
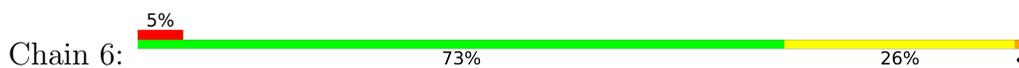
These plots are drawn for all protein, RNA, DNA and oligosaccharide chains in the entry. The first graphic for a chain summarises the proportions of the various outlier classes displayed in the second graphic. The second graphic shows the sequence view annotated by issues in geometry and electron density.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

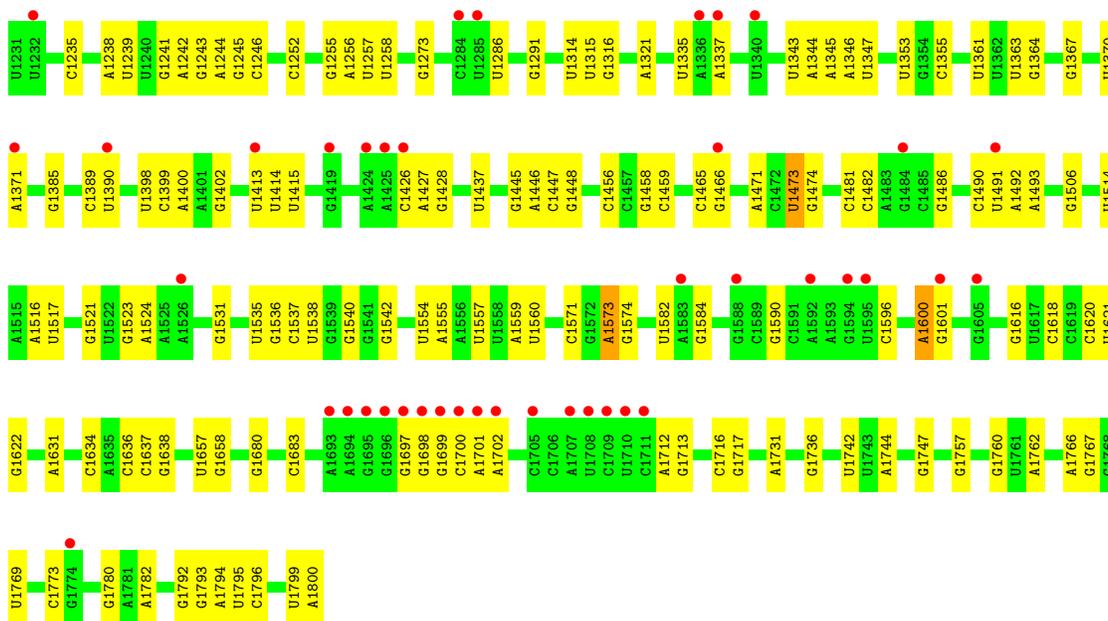
- Molecule 1: 18S ribosomal RNA



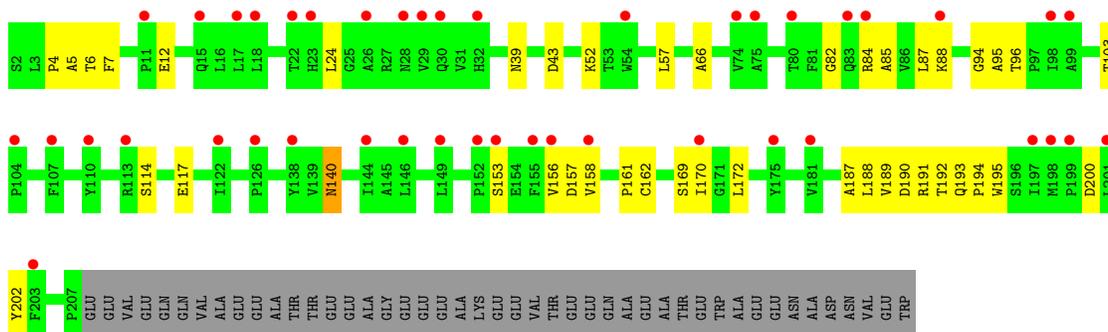


● Molecule 1: 18S ribosomal RNA

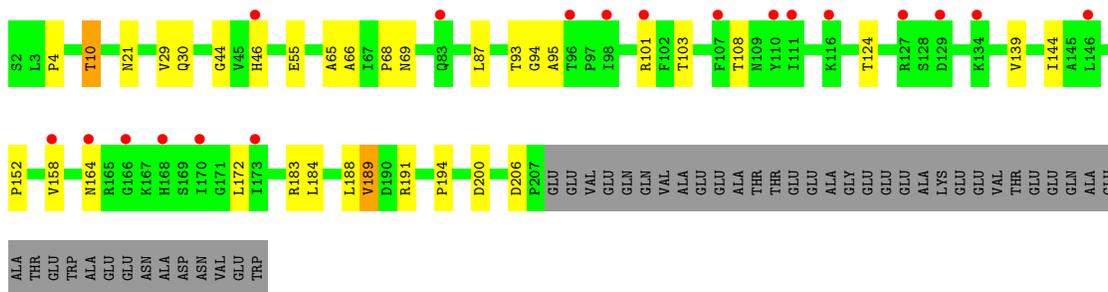




• Molecule 2: 40S ribosomal protein S0-A

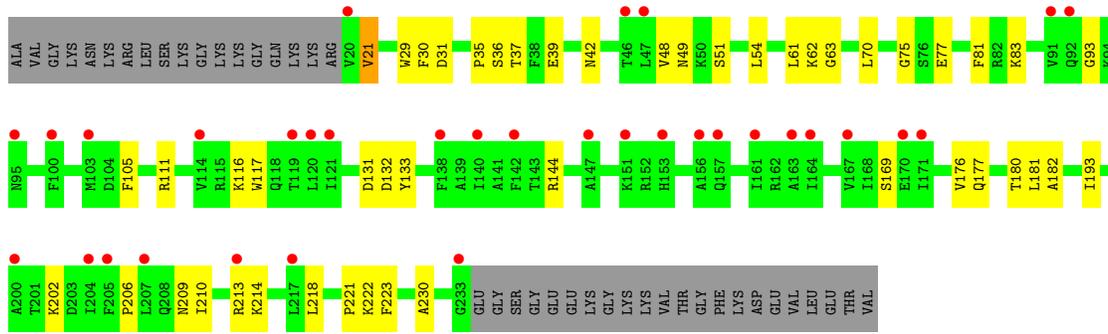


• Molecule 2: 40S ribosomal protein S0-A

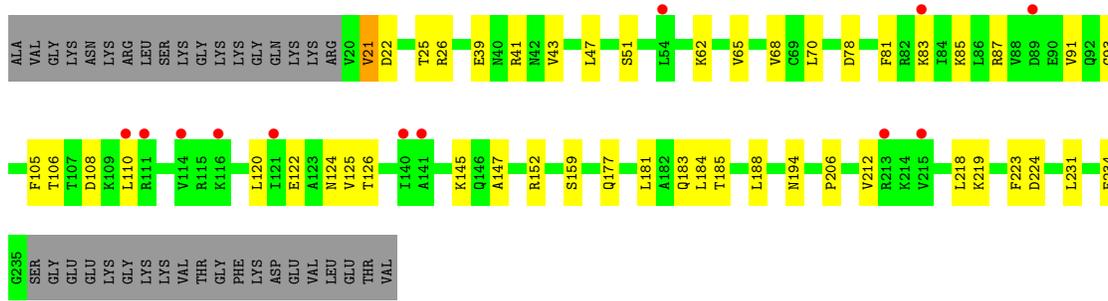


• Molecule 3: 40S ribosomal protein S1-A

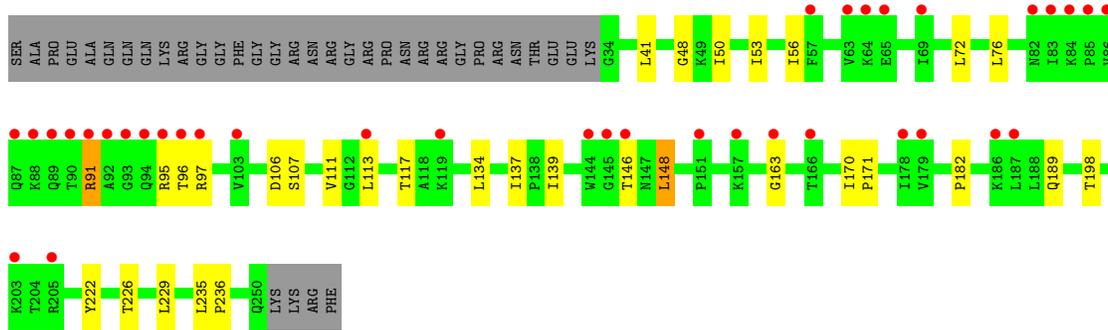
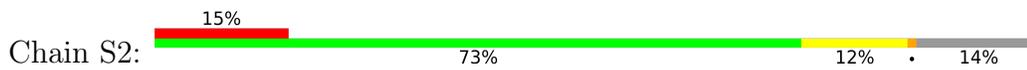




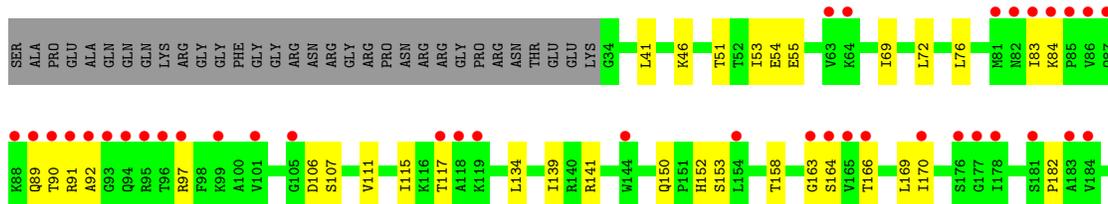
• Molecule 3: 40S ribosomal protein S1-A



• Molecule 4: 40S ribosomal protein S2

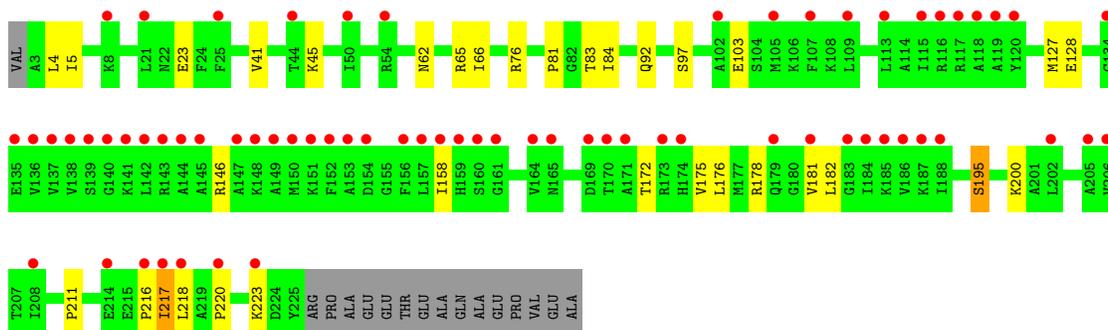
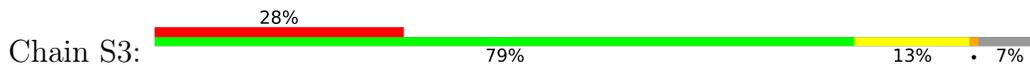


• Molecule 4: 40S ribosomal protein S2

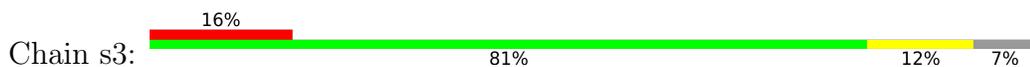




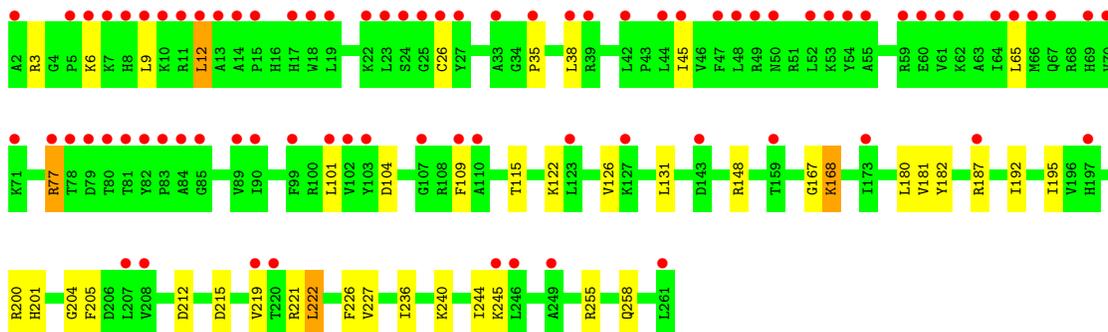
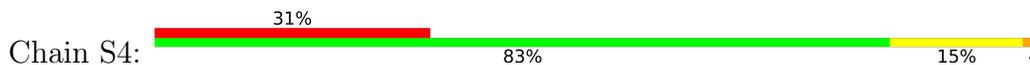
- Molecule 5: 40S ribosomal protein S3



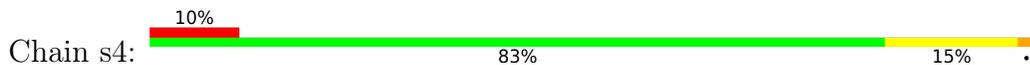
- Molecule 5: 40S ribosomal protein S3



- Molecule 6: 40S ribosomal protein S4-A

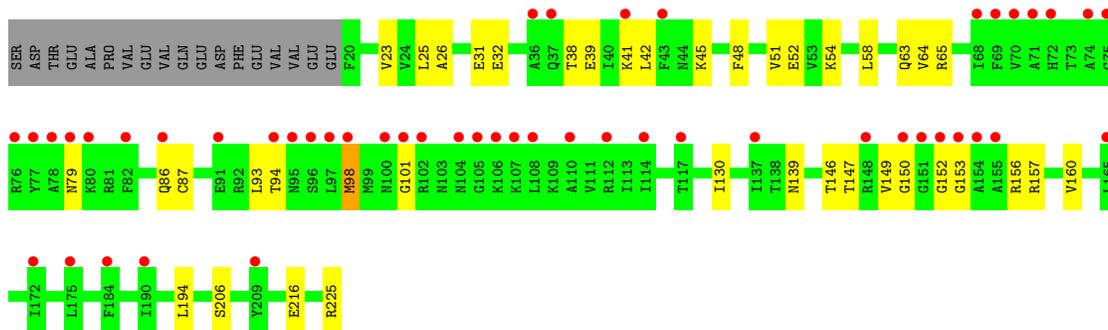
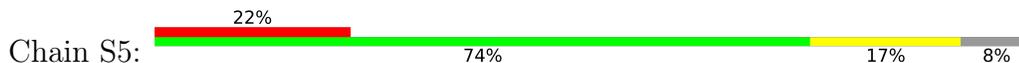


- Molecule 6: 40S ribosomal protein S4-A

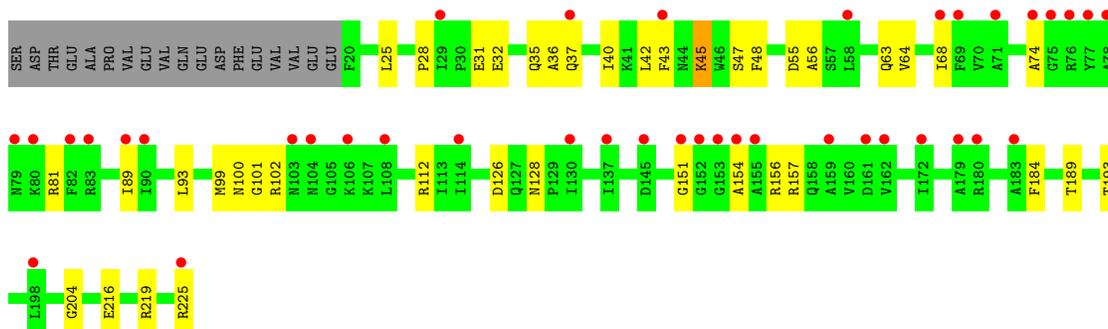




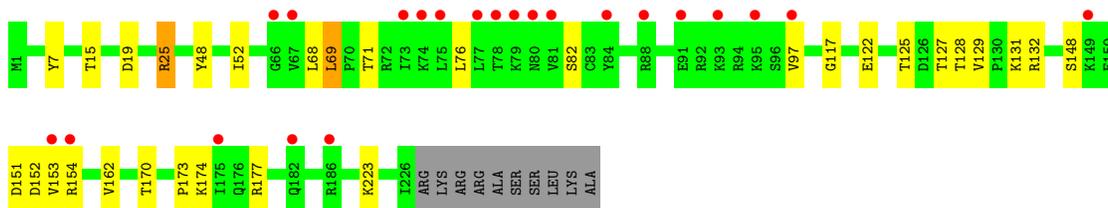
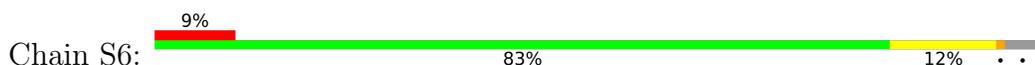
• Molecule 7: 40S ribosomal protein S5



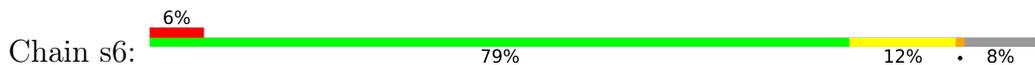
• Molecule 7: 40S ribosomal protein S5

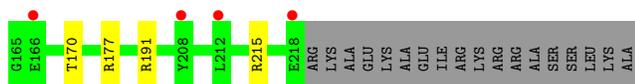


• Molecule 8: 40S ribosomal protein S6-A

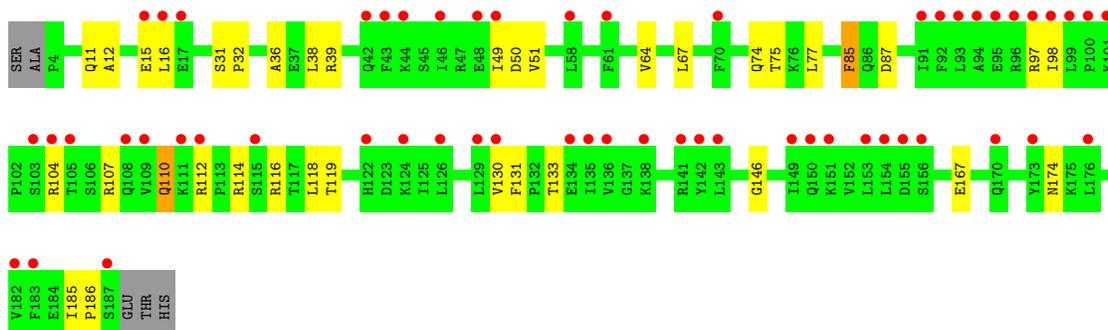
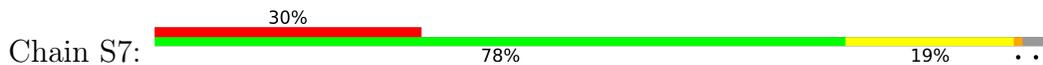


• Molecule 8: 40S ribosomal protein S6-A

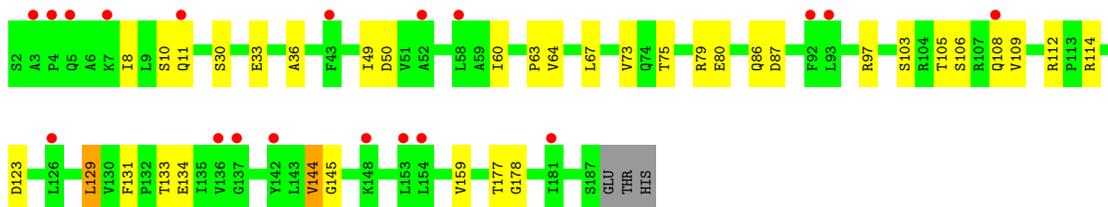
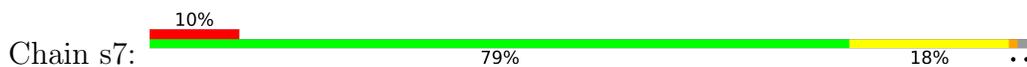




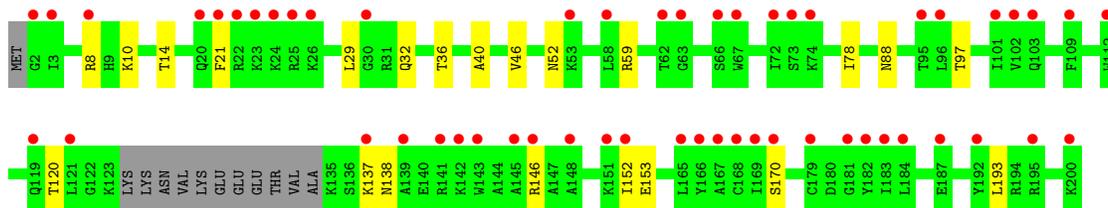
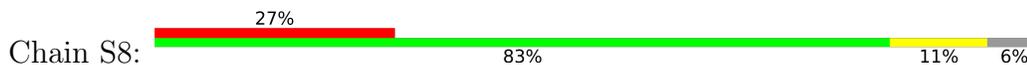
• Molecule 9: 40S ribosomal protein S7-A



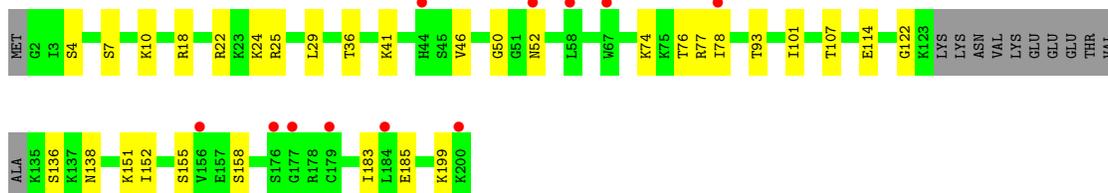
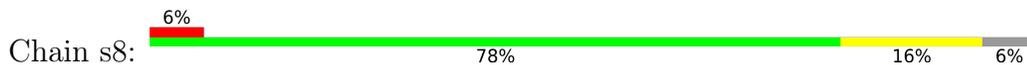
• Molecule 9: 40S ribosomal protein S7-A



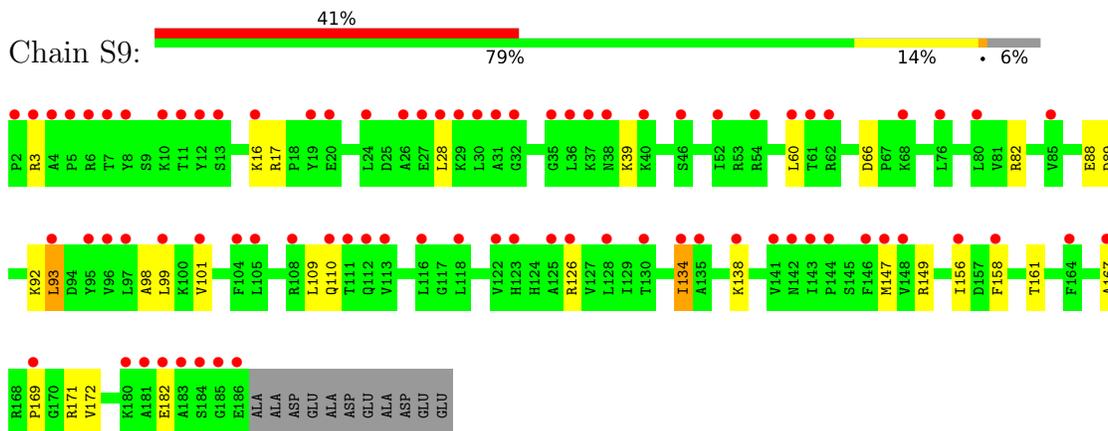
• Molecule 10: 40S ribosomal protein S8-A



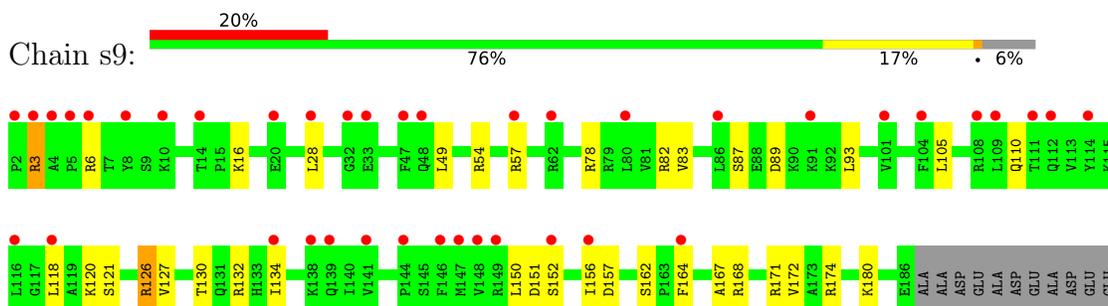
• Molecule 10: 40S ribosomal protein S8-A



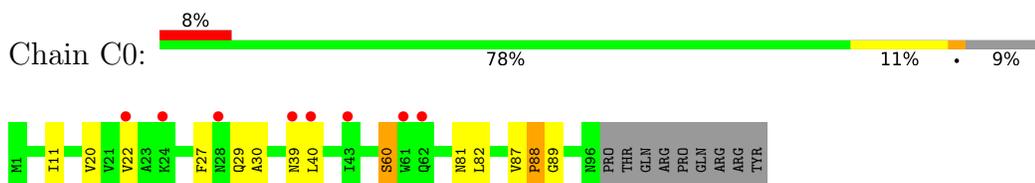
- Molecule 11: 40S ribosomal protein S9-A



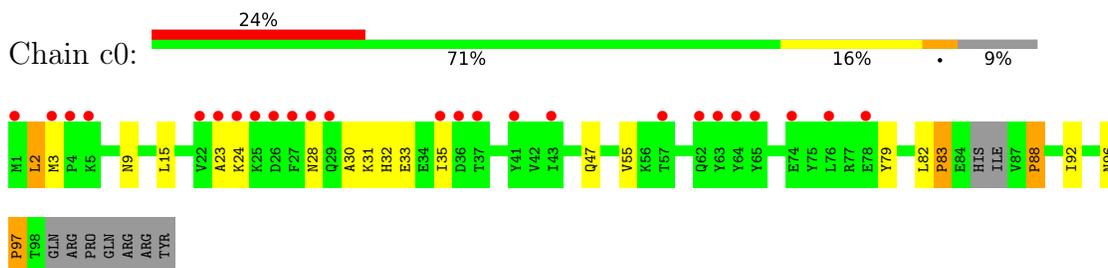
- Molecule 11: 40S ribosomal protein S9-A



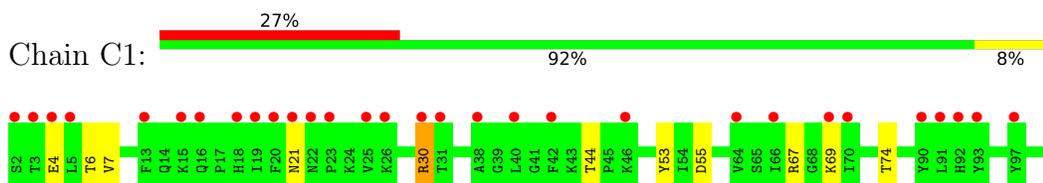
- Molecule 12: 40S ribosomal protein S10-A



- Molecule 12: 40S ribosomal protein S10-A

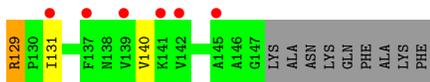
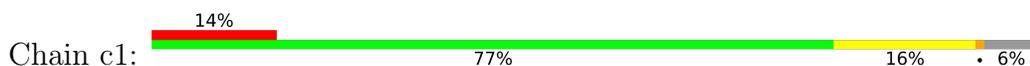


- Molecule 13: 40S ribosomal protein S11-A

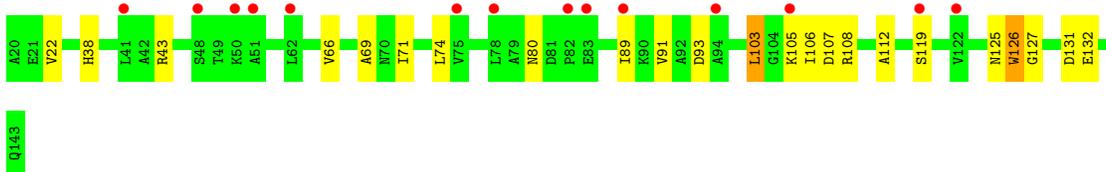
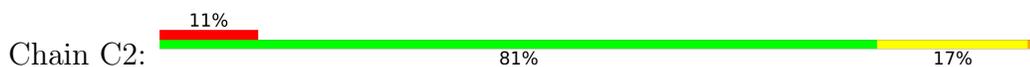




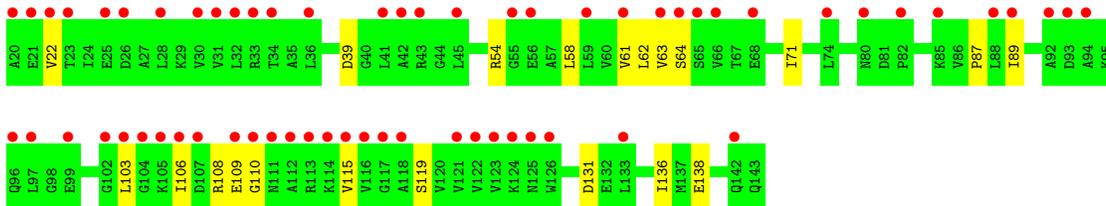
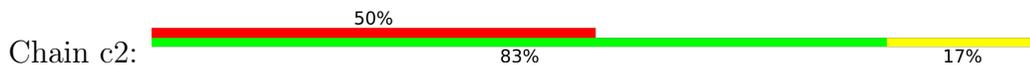
- Molecule 13: 40S ribosomal protein S11-A



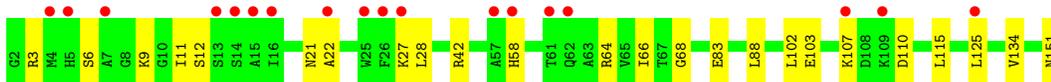
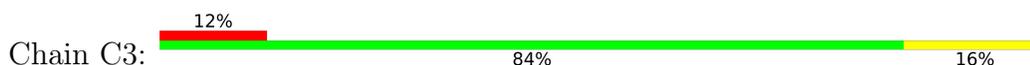
- Molecule 14: 40S ribosomal protein S12



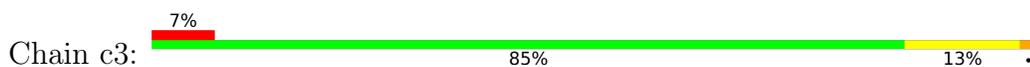
- Molecule 14: 40S ribosomal protein S12



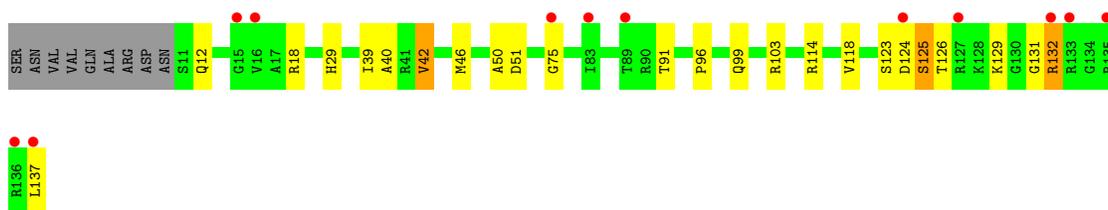
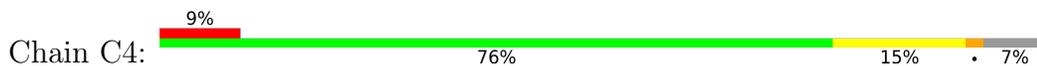
- Molecule 15: 40S ribosomal protein S13



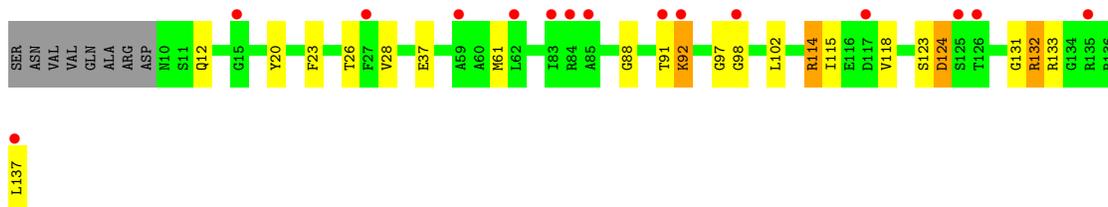
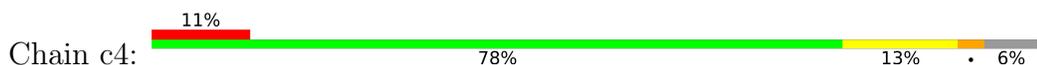
- Molecule 15: 40S ribosomal protein S13



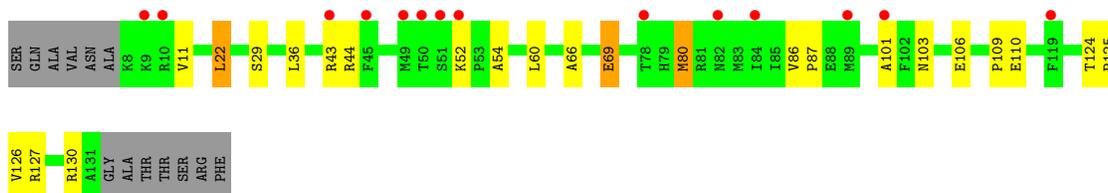
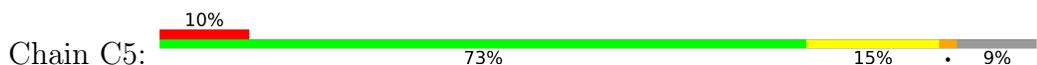
- Molecule 16: 40S ribosomal protein S14-A



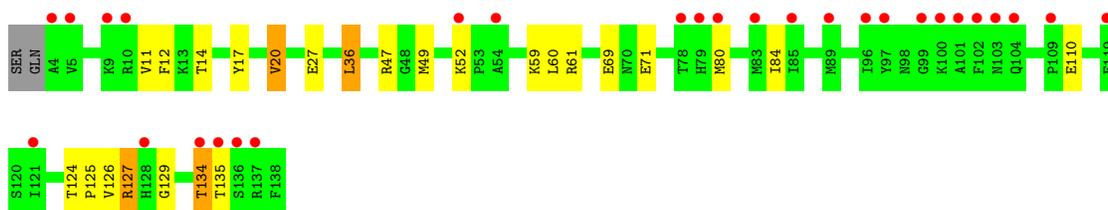
- Molecule 16: 40S ribosomal protein S14-A



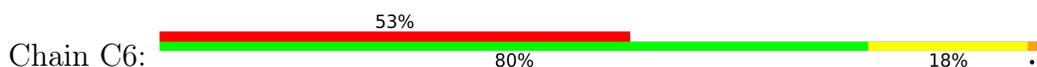
- Molecule 17: 40S ribosomal protein S15

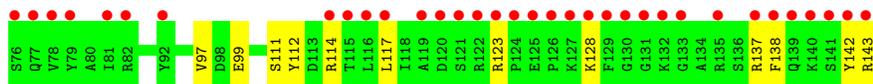


- Molecule 17: 40S ribosomal protein S15

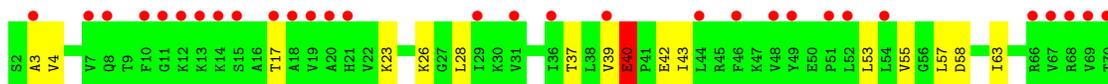
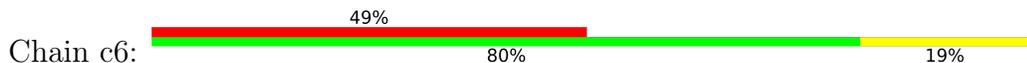


- Molecule 18: 40S ribosomal protein S16-A

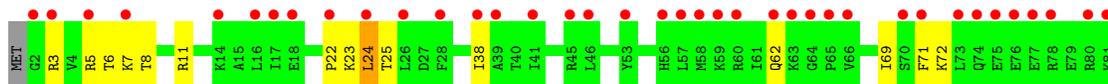




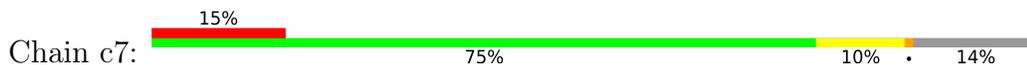
• Molecule 18: 40S ribosomal protein S16-A



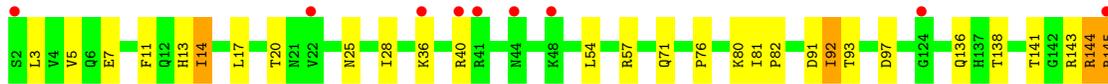
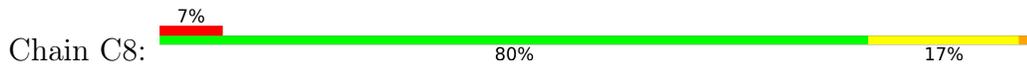
• Molecule 19: 40S ribosomal protein S17-A



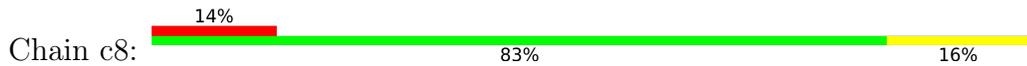
• Molecule 19: 40S ribosomal protein S17-A

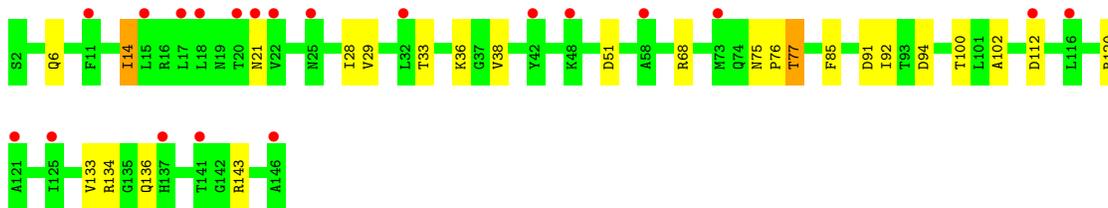


• Molecule 20: 40S ribosomal protein S18-A

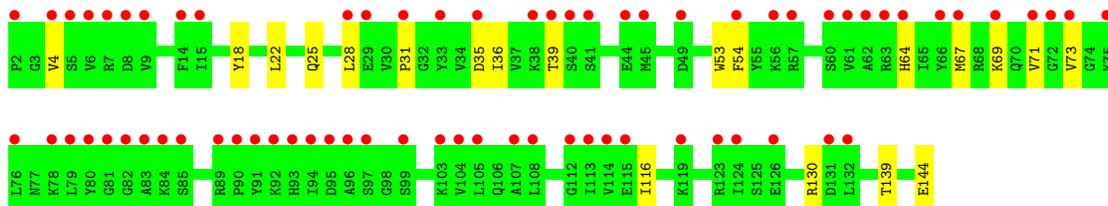
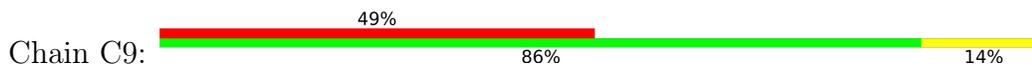


• Molecule 20: 40S ribosomal protein S18-A

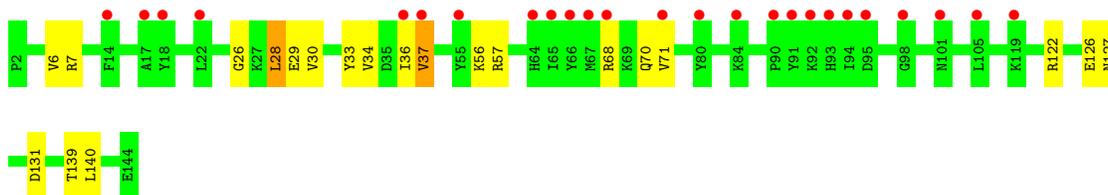
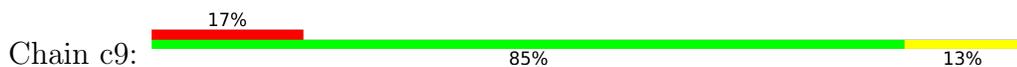




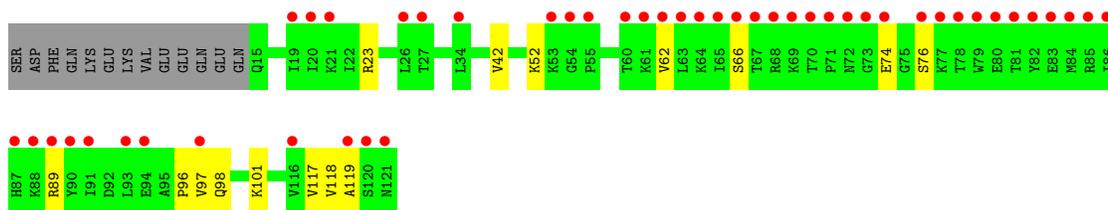
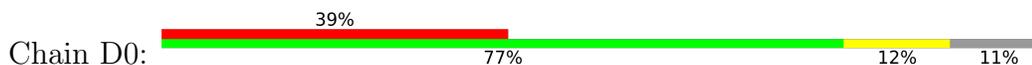
● Molecule 21: 40S ribosomal protein S19-A



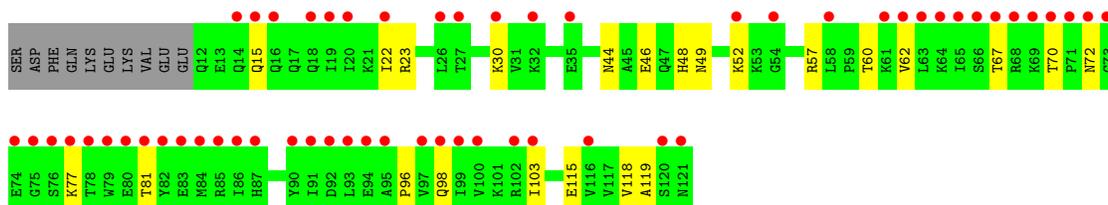
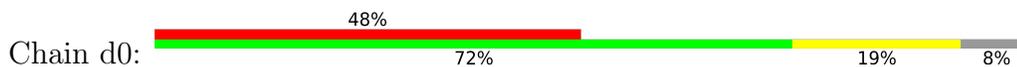
● Molecule 21: 40S ribosomal protein S19-A



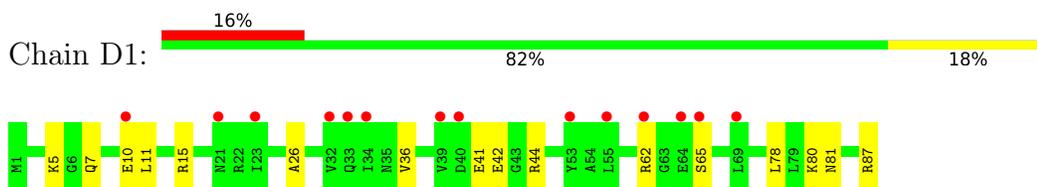
● Molecule 22: 40S ribosomal protein S20



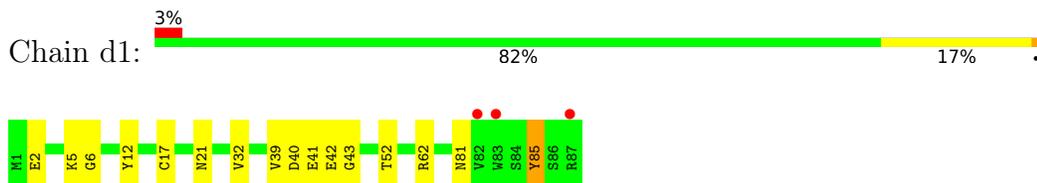
● Molecule 22: 40S ribosomal protein S20



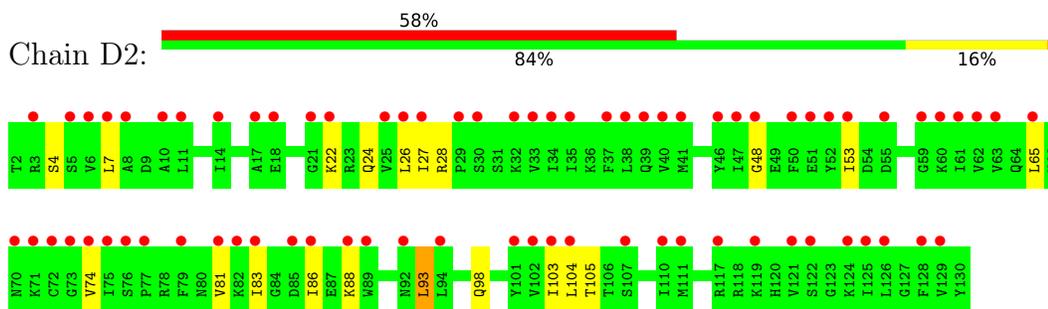
- Molecule 23: 40S ribosomal protein S21-A



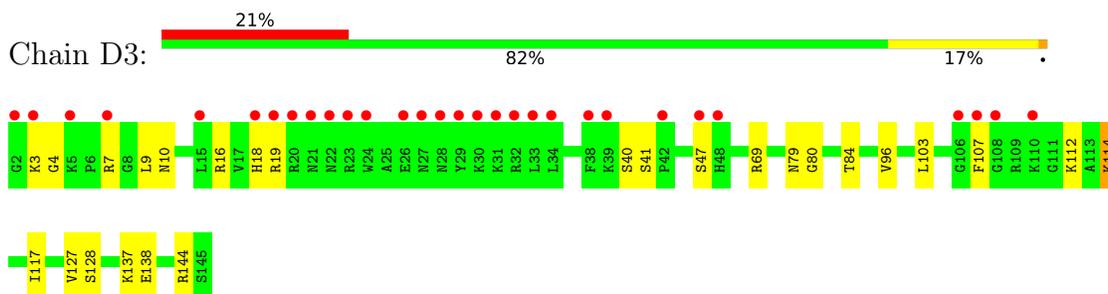
- Molecule 23: 40S ribosomal protein S21-A



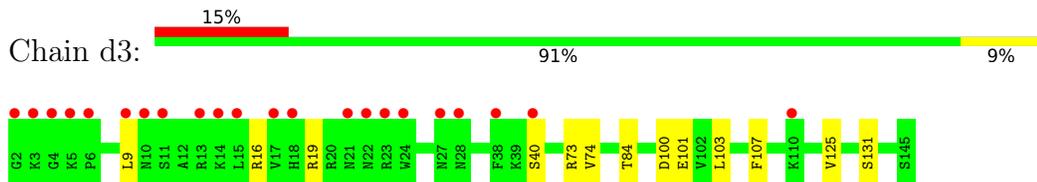
- Molecule 24: 40S ribosomal protein S22-A



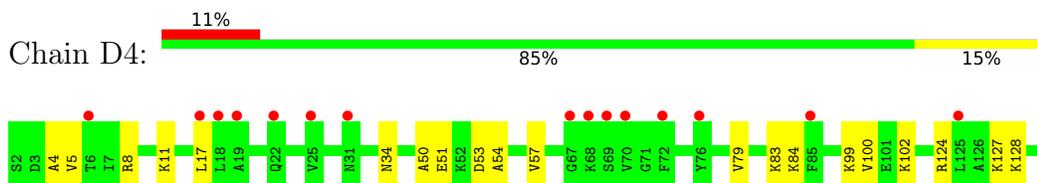
- Molecule 25: 40S ribosomal protein S23-A



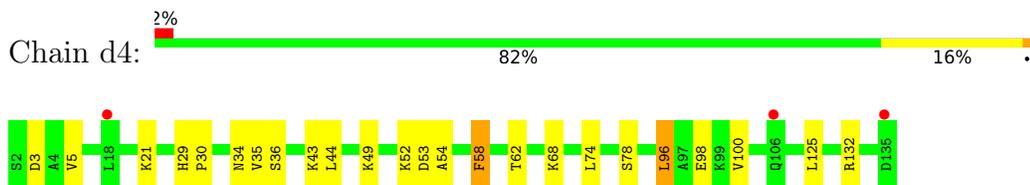
- Molecule 25: 40S ribosomal protein S23-A



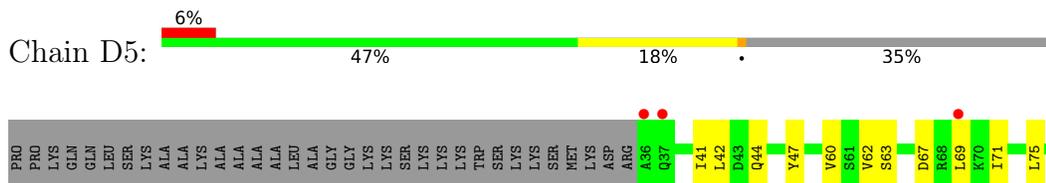
- Molecule 26: 40S ribosomal protein S24-A



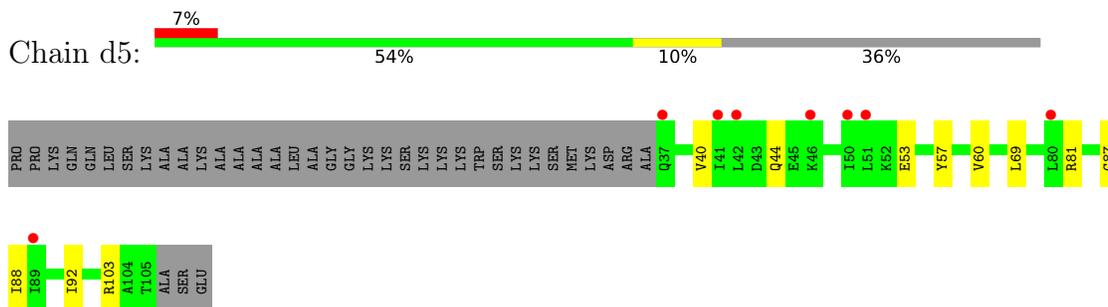
- Molecule 26: 40S ribosomal protein S24-A



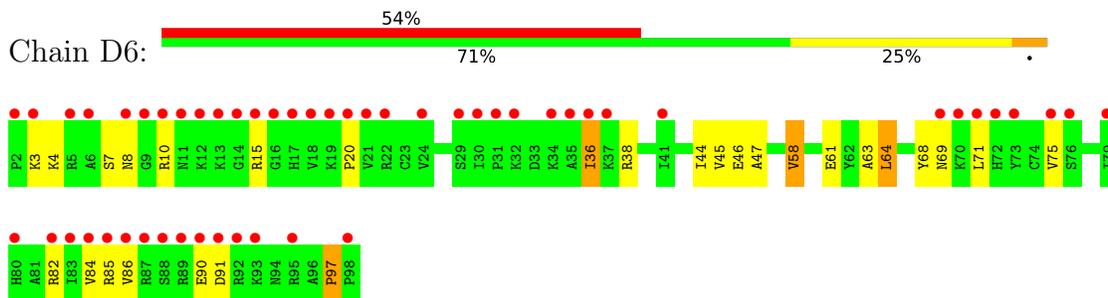
- Molecule 27: 40S ribosomal protein S25-A



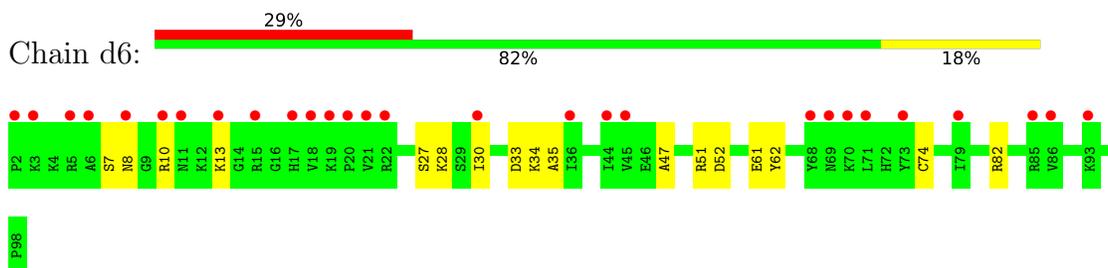
- Molecule 27: 40S ribosomal protein S25-A



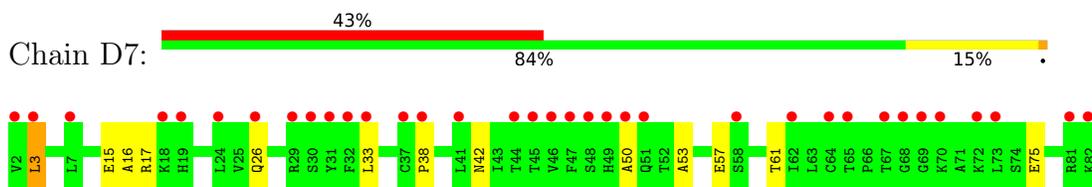
- Molecule 28: 40S ribosomal protein S26-B



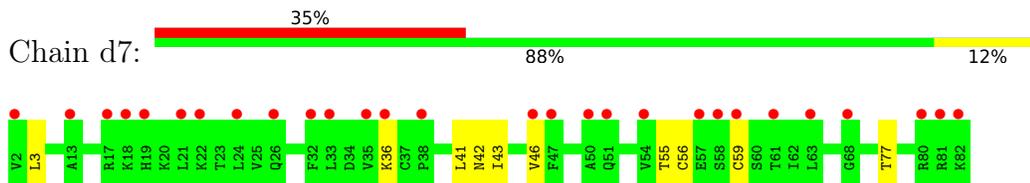
- Molecule 28: 40S ribosomal protein S26-B



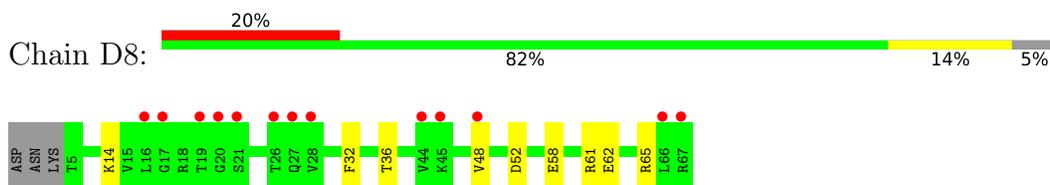
- Molecule 29: 40S ribosomal protein S27-A



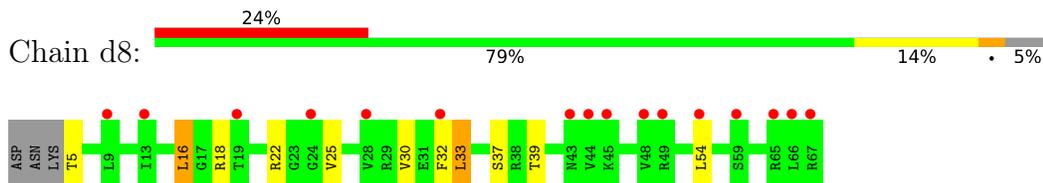
- Molecule 29: 40S ribosomal protein S27-A



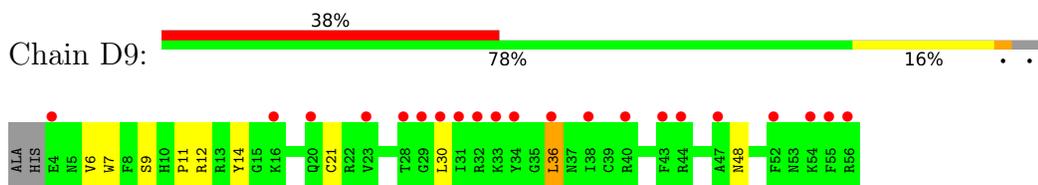
- Molecule 30: 40S ribosomal protein S28-A



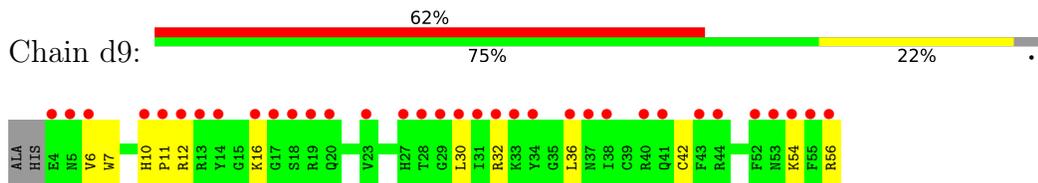
- Molecule 30: 40S ribosomal protein S28-A



- Molecule 31: 40S ribosomal protein S29-A



- Molecule 31: 40S ribosomal protein S29-A

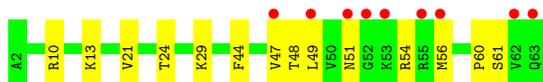
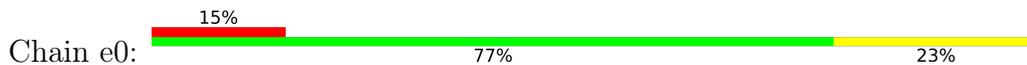


- Molecule 32: 40S ribosomal protein S30-A





- Molecule 32: 40S ribosomal protein S30-A



- Molecule 33: Ubiquitin-40S ribosomal protein S31



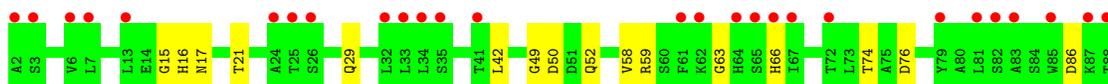
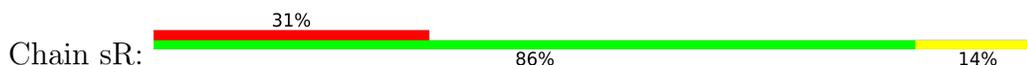
- Molecule 33: Ubiquitin-40S ribosomal protein S31

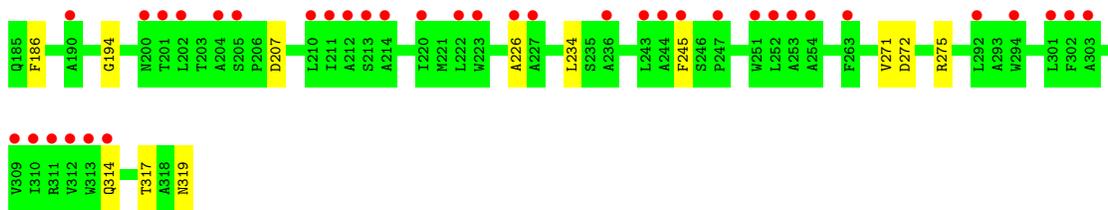


- Molecule 34: Guanine nucleotide-binding protein subunit beta-like protein

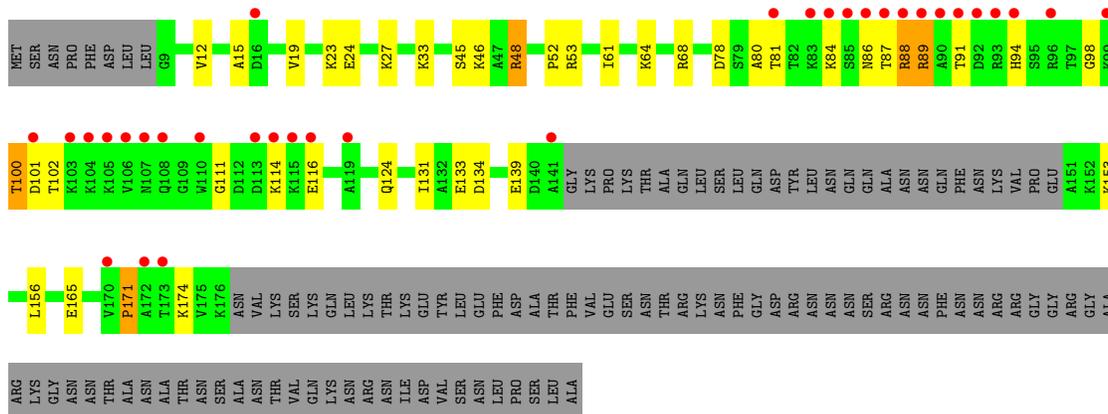


- Molecule 34: Guanine nucleotide-binding protein subunit beta-like protein

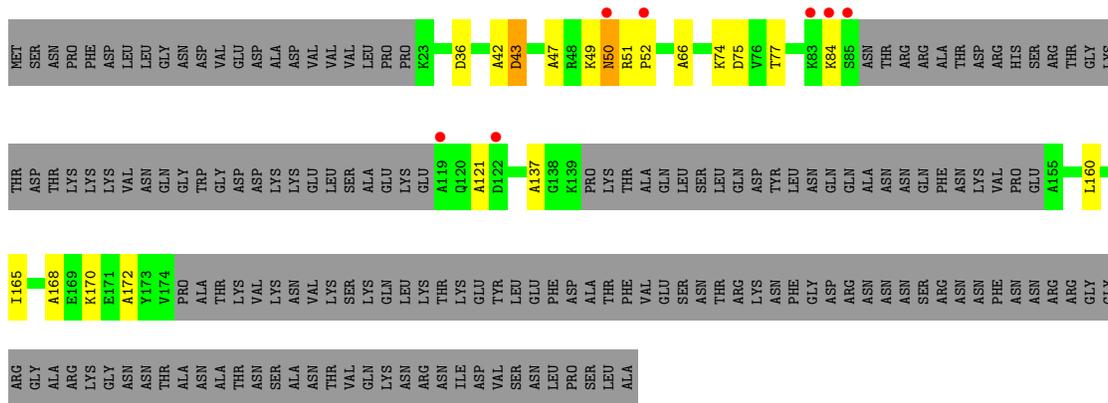




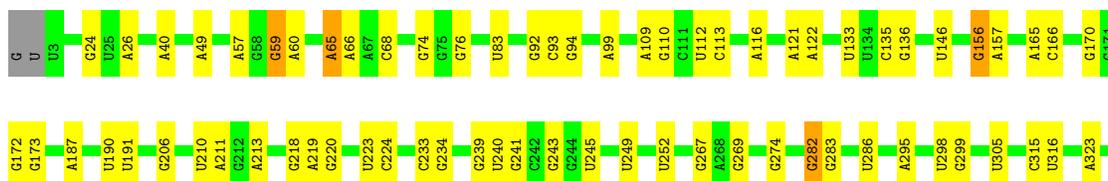
● Molecule 35: Suppressor protein STM1

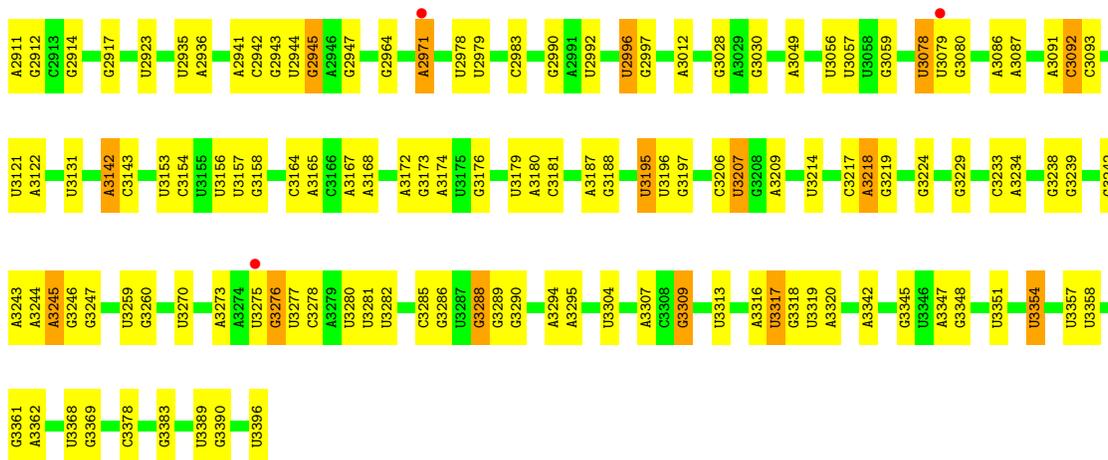


● Molecule 35: Suppressor protein STM1



● Molecule 36: 25S ribosomal RNA

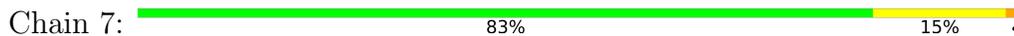




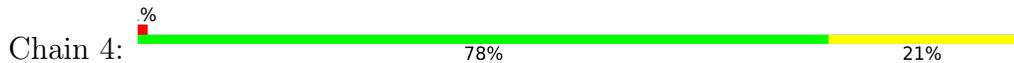
• Molecule 37: 5S ribosomal RNA



• Molecule 37: 5S ribosomal RNA



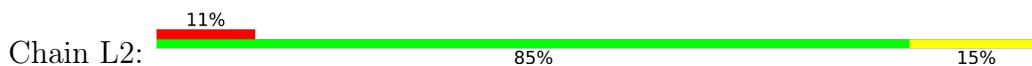
• Molecule 38: 5.8S ribosomal RNA



• Molecule 38: 5.8S ribosomal RNA

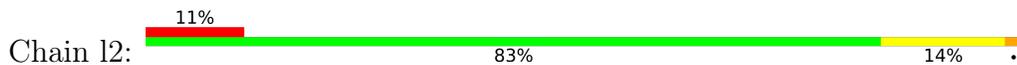


• Molecule 39: 60S ribosomal protein L2-A

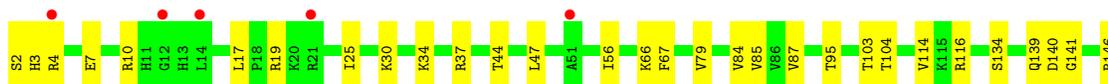
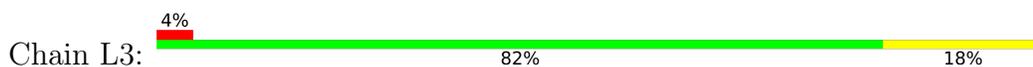




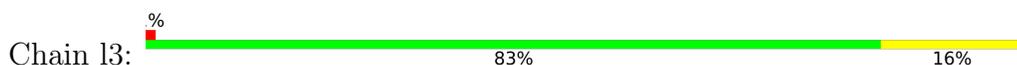
- Molecule 39: 60S ribosomal protein L2-A



- Molecule 40: 60S ribosomal protein L3



- Molecule 40: 60S ribosomal protein L3

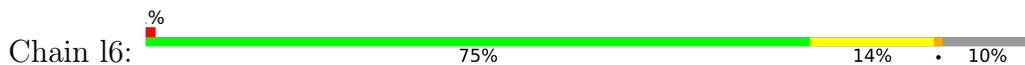


- Molecule 41: 60S ribosomal protein L4-A

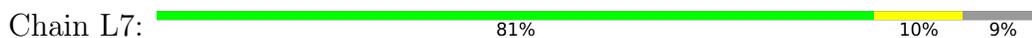




- Molecule 43: 60S ribosomal protein L6-A



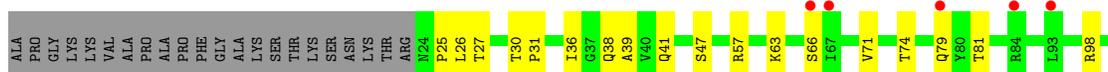
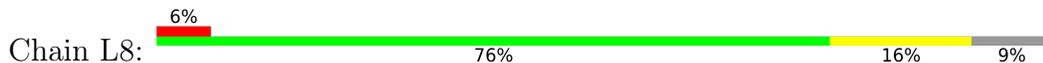
- Molecule 44: 60S ribosomal protein L7-A



- Molecule 44: 60S ribosomal protein L7-A

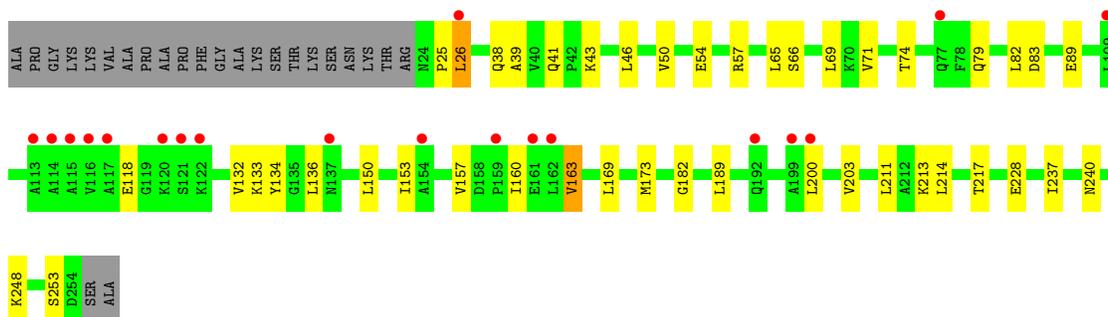


- Molecule 45: 60S ribosomal protein L8-A

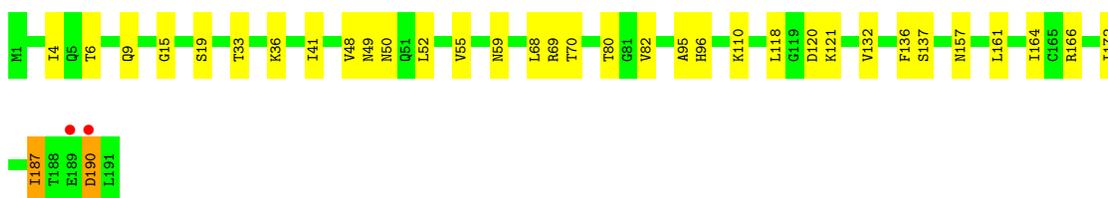
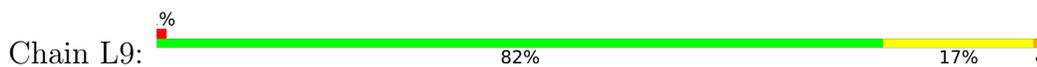


- Molecule 45: 60S ribosomal protein L8-A

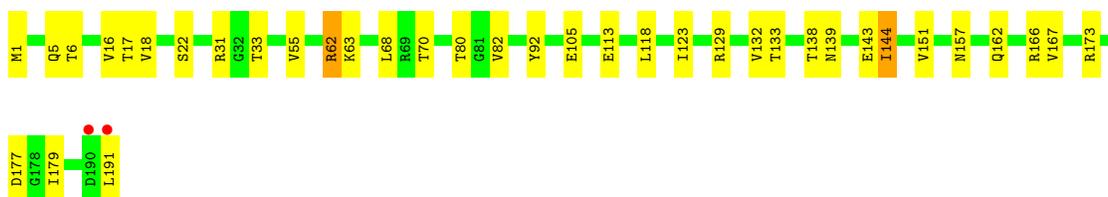
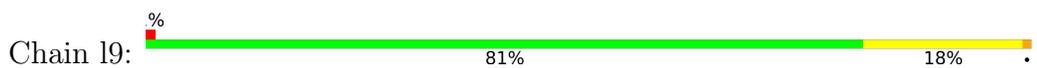




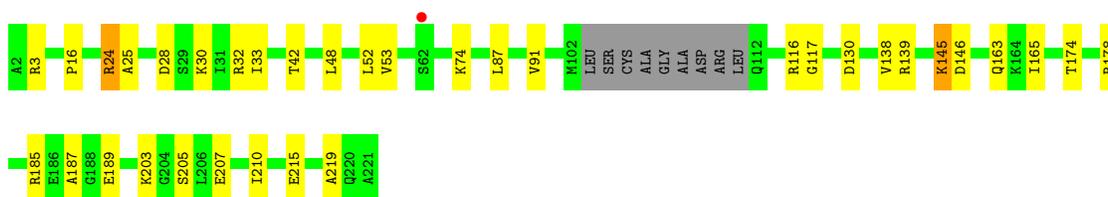
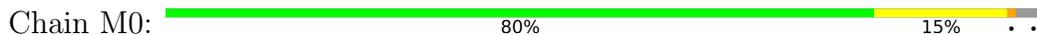
- Molecule 46: 60S ribosomal protein L9-A



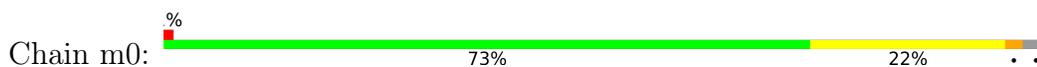
- Molecule 46: 60S ribosomal protein L9-A



- Molecule 47: 60S ribosomal protein L10

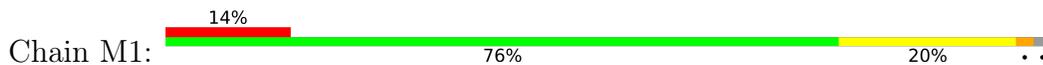


- Molecule 47: 60S ribosomal protein L10

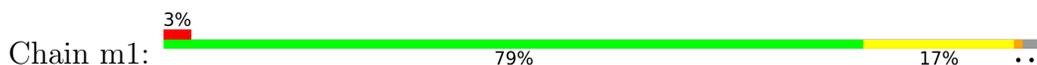




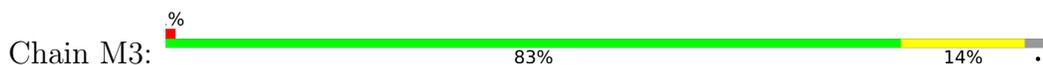
- Molecule 48: 60S ribosomal protein L11-B



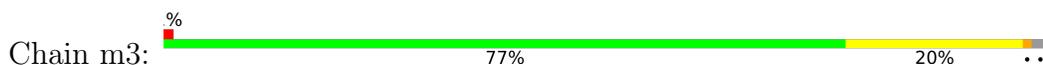
- Molecule 48: 60S ribosomal protein L11-B



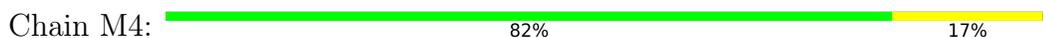
- Molecule 49: 60S ribosomal protein L13-A



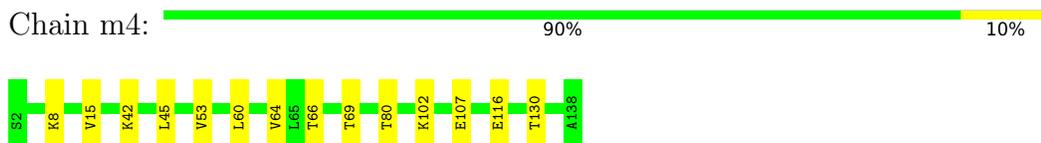
- Molecule 49: 60S ribosomal protein L13-A



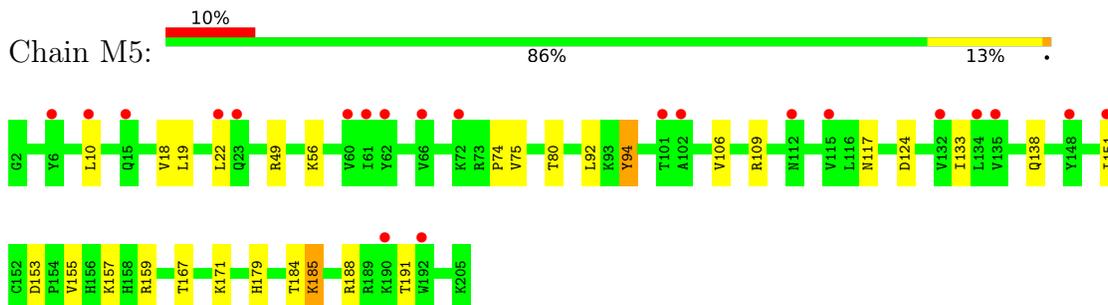
- Molecule 50: 60S ribosomal protein L14-A



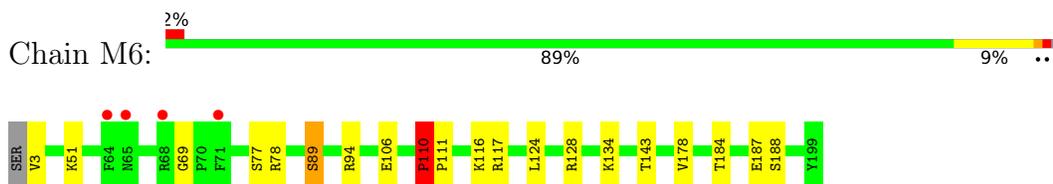
- Molecule 50: 60S ribosomal protein L14-A



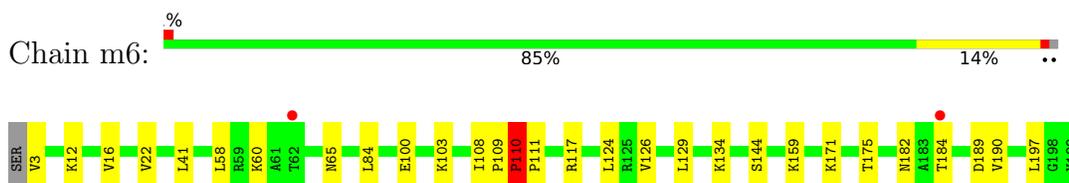
- Molecule 51: 60S ribosomal protein L15-A



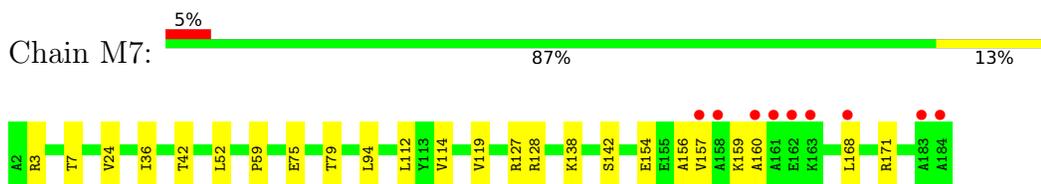
- Molecule 52: 60S ribosomal protein L16-A



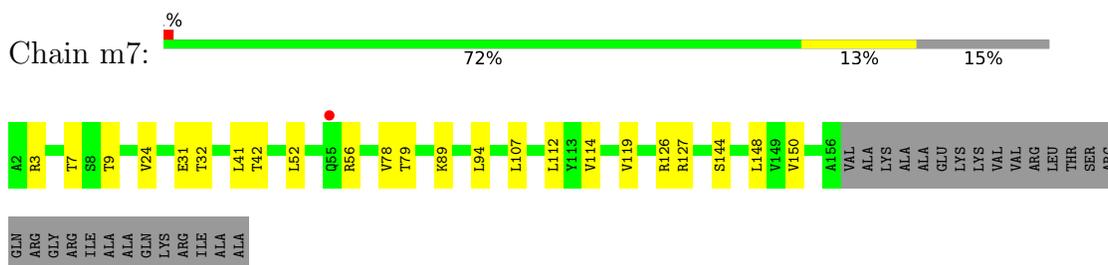
- Molecule 52: 60S ribosomal protein L16-A



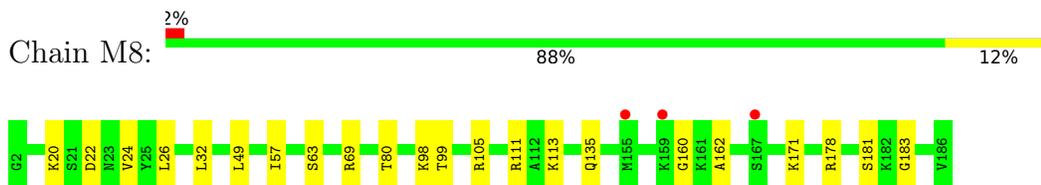
- Molecule 53: 60S ribosomal protein L17-A



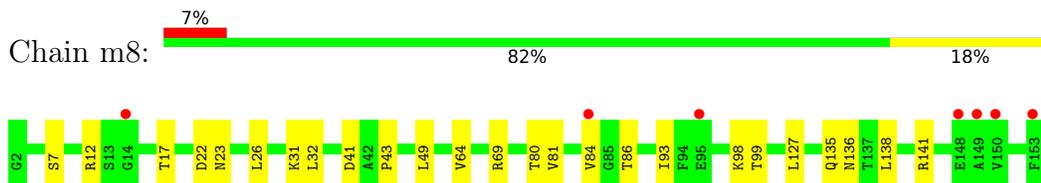
- Molecule 53: 60S ribosomal protein L17-A



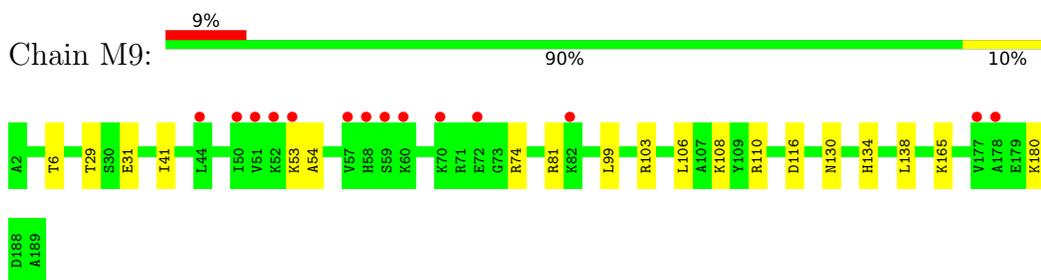
- Molecule 54: 60S ribosomal protein L18-A



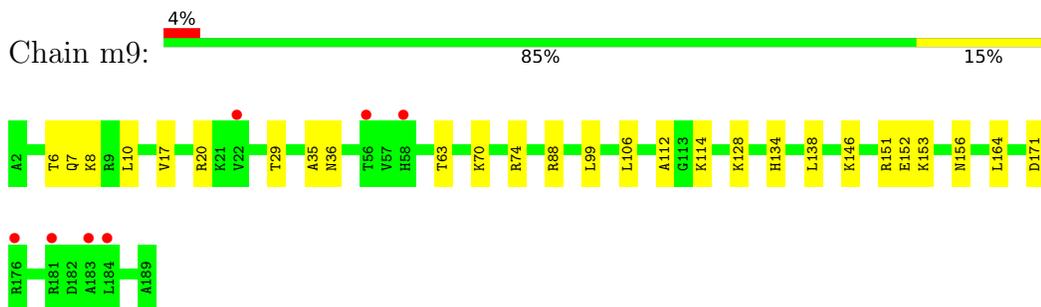
- Molecule 54: 60S ribosomal protein L18-A



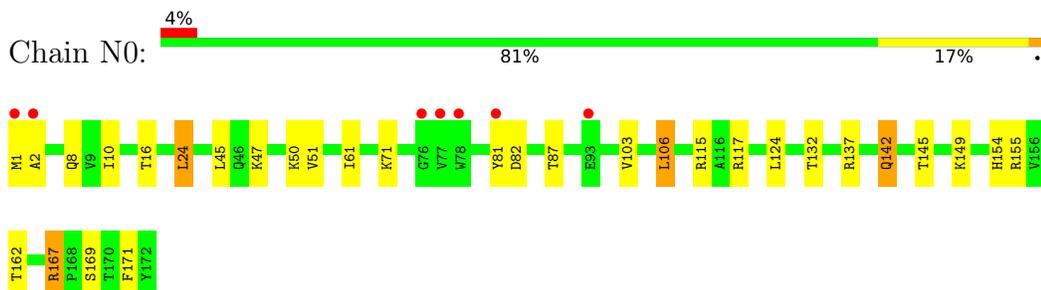
- Molecule 55: 60S ribosomal protein L19-A



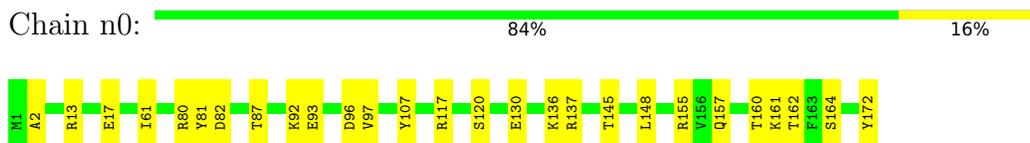
- Molecule 55: 60S ribosomal protein L19-A



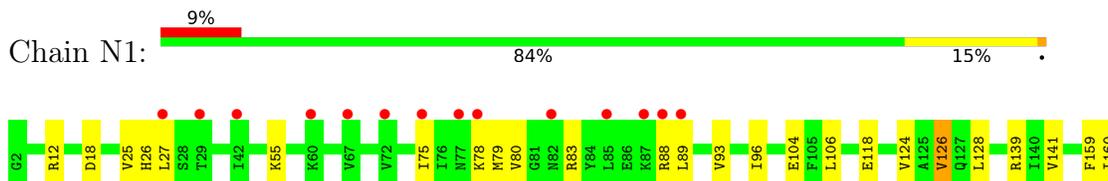
- Molecule 56: 60S ribosomal protein L20-A



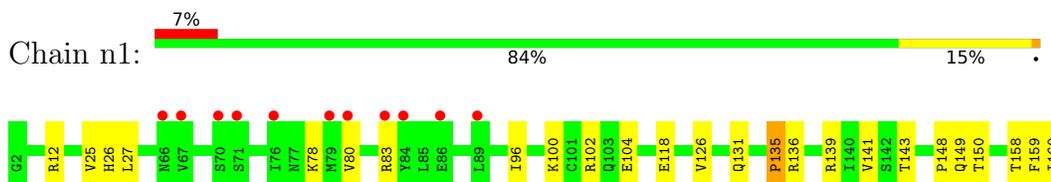
- Molecule 56: 60S ribosomal protein L20-A



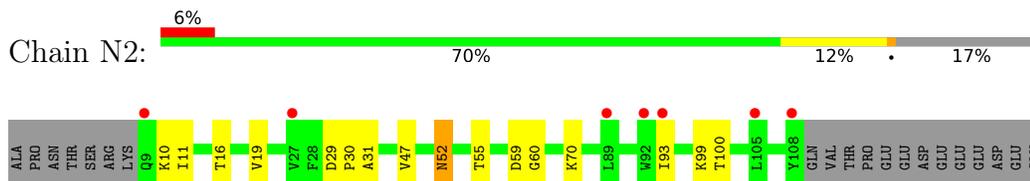
- Molecule 57: 60S ribosomal protein L21-A



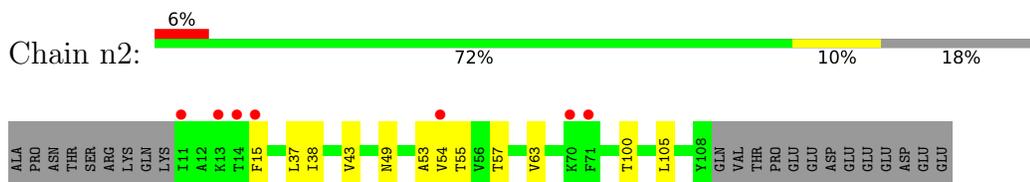
- Molecule 57: 60S ribosomal protein L21-A



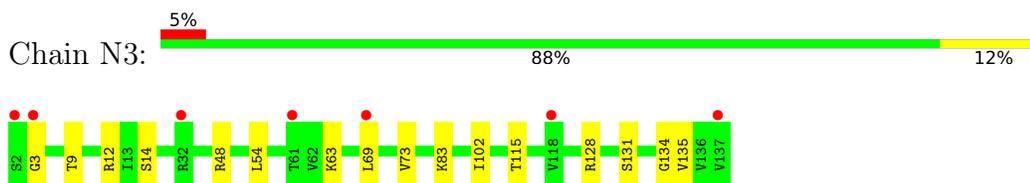
- Molecule 58: 60S ribosomal protein L22-A



- Molecule 58: 60S ribosomal protein L22-A



- Molecule 59: 60S ribosomal protein L23-A

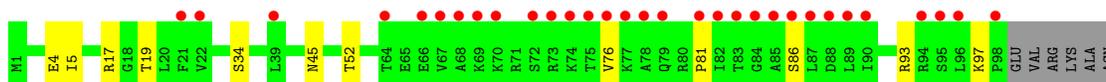


- Molecule 59: 60S ribosomal protein L23-A





- Molecule 60: 60S ribosomal protein L24-A



ARG
GLU
GLU
LYS
LEU
ALA
ASN
LYS
GLU
LYS
LYS
LYS
ALA
LYS
ALA
ALA
LYS
ARG
LYS
ALA
GLU
LYS
LYS
LYS
SER
GLY
THR
GLN
SER
SER
LYS
PHE
SER
LYS
LYS
GLN
GLN
ALA
LYS
GLY
ALA
PHE
GLN
LYS
VAL
ALA
ALA
THR
SER
SER
ARG

- Molecule 60: 60S ribosomal protein L24-A



ALA
ALA
THR
SER
ARG

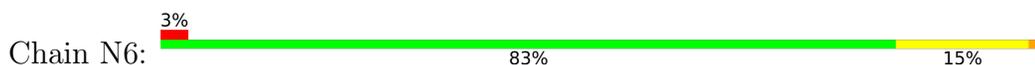
- Molecule 61: 60S ribosomal protein L25



- Molecule 61: 60S ribosomal protein L25

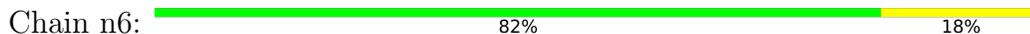


- Molecule 62: 60S ribosomal protein L26-A

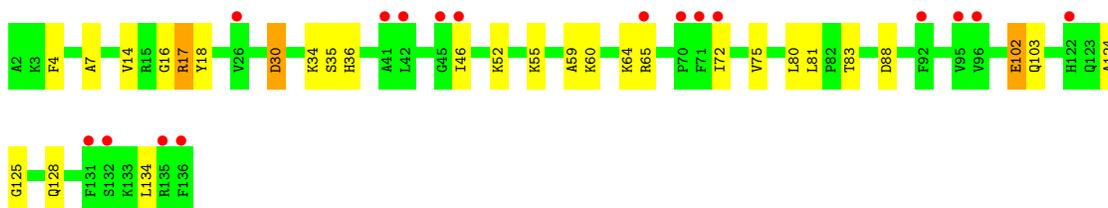
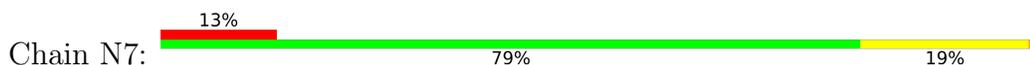




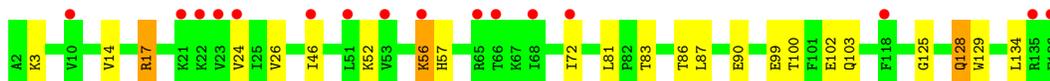
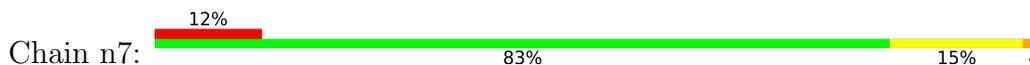
- Molecule 62: 60S ribosomal protein L26-A



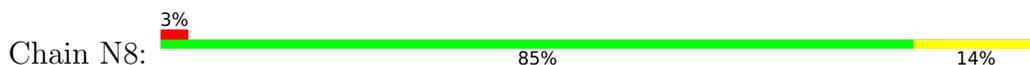
- Molecule 63: 60S ribosomal protein L27-A



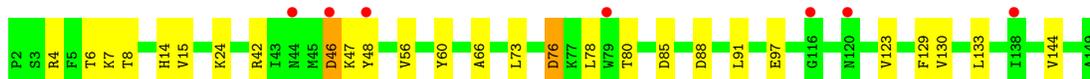
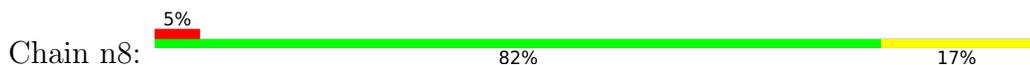
- Molecule 63: 60S ribosomal protein L27-A



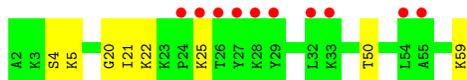
- Molecule 64: 60S ribosomal protein L28



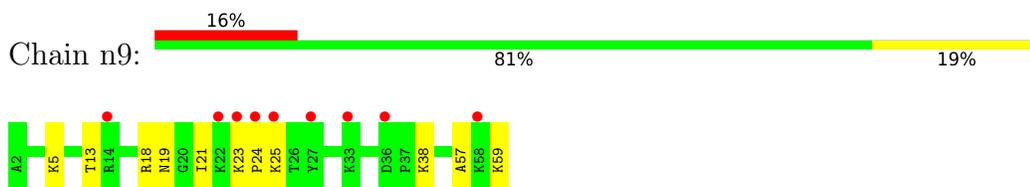
- Molecule 64: 60S ribosomal protein L28



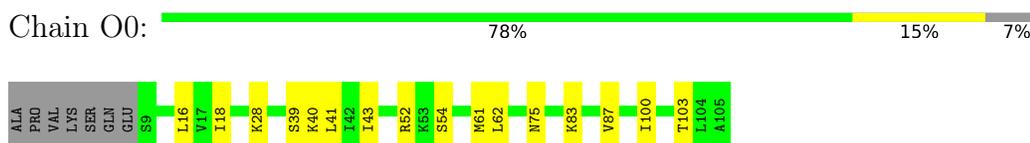
- Molecule 65: 60S ribosomal protein L29



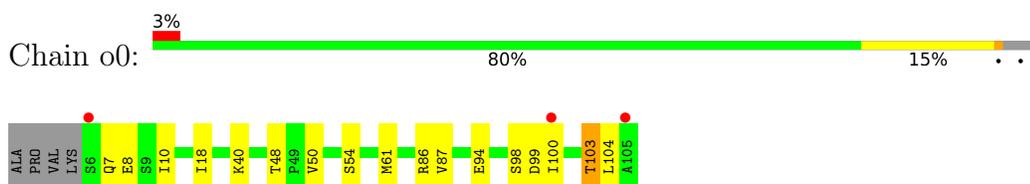
- Molecule 65: 60S ribosomal protein L29



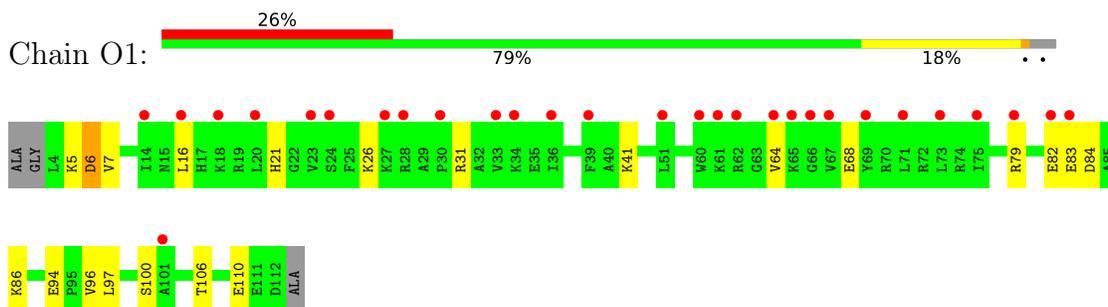
- Molecule 66: 60S ribosomal protein L30



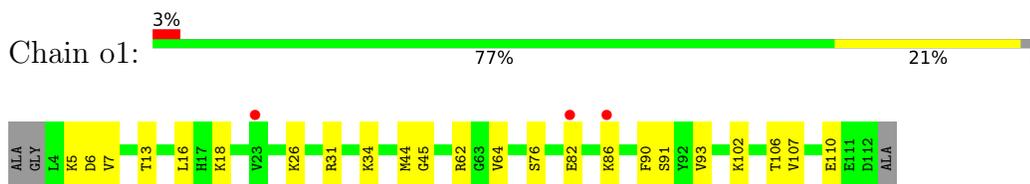
- Molecule 66: 60S ribosomal protein L30



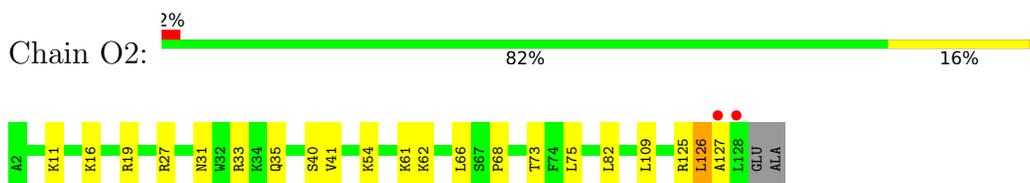
- Molecule 67: 60S ribosomal protein L31-A



- Molecule 67: 60S ribosomal protein L31-A



- Molecule 68: 60S ribosomal protein L32



- Molecule 68: 60S ribosomal protein L32

Chain o2:  83% 15% ..



- Molecule 69: 60S ribosomal protein L33-A

Chain O3:  89% 11%



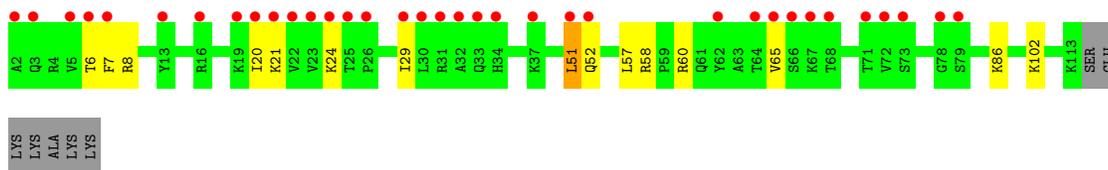
- Molecule 69: 60S ribosomal protein L33-A

Chain o3:  3% 89% 10% .



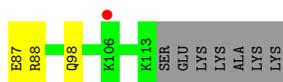
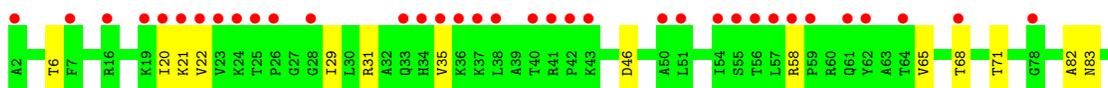
- Molecule 70: 60S ribosomal protein L34-A (eL34)

Chain O4:  29% 82% 12% • 6%



- Molecule 70: 60S ribosomal protein L34-A (eL34)

Chain o4:  30% 80% 14% 6%

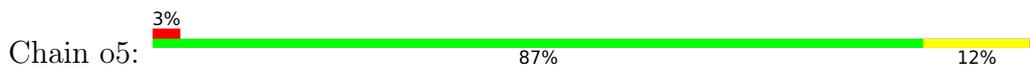


- Molecule 71: 60S ribosomal protein L35-A

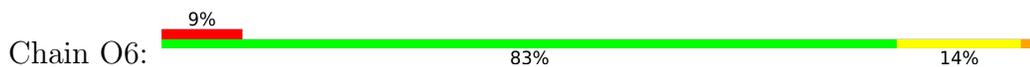
Chain O5:  85% 15%



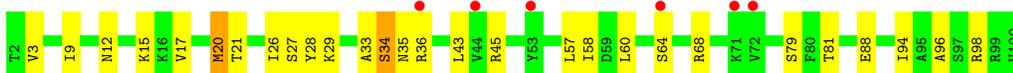
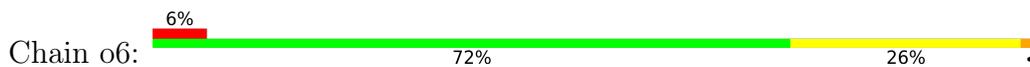
- Molecule 71: 60S ribosomal protein L35-A



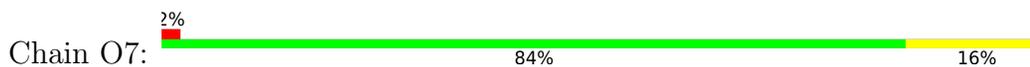
- Molecule 72: 60S ribosomal protein L36-A



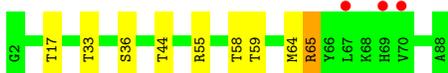
- Molecule 72: 60S ribosomal protein L36-A



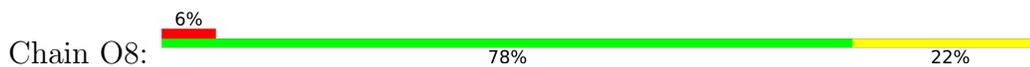
- Molecule 73: 60S ribosomal protein L37-A



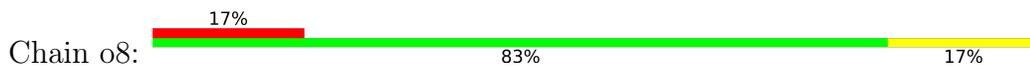
- Molecule 73: 60S ribosomal protein L37-A



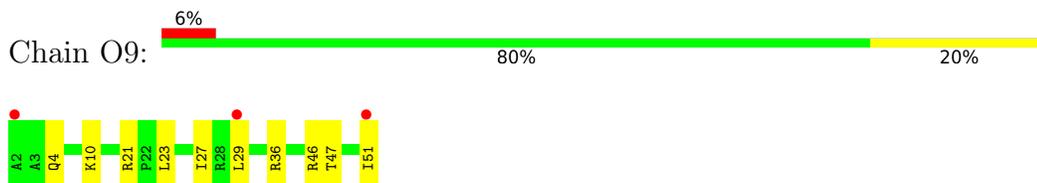
- Molecule 74: 60S ribosomal protein L38



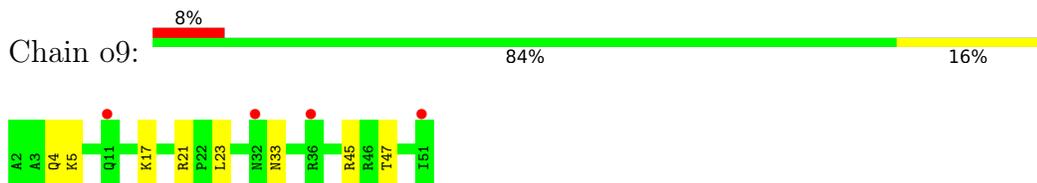
- Molecule 74: 60S ribosomal protein L38



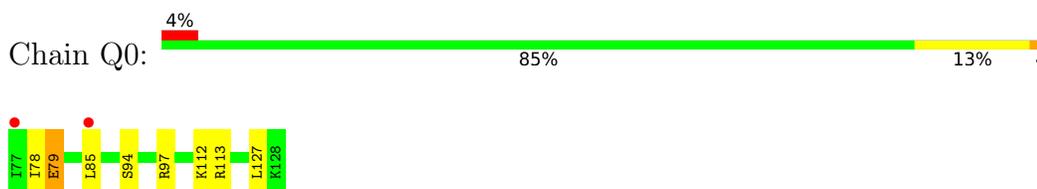
- Molecule 75: 60S ribosomal protein L39



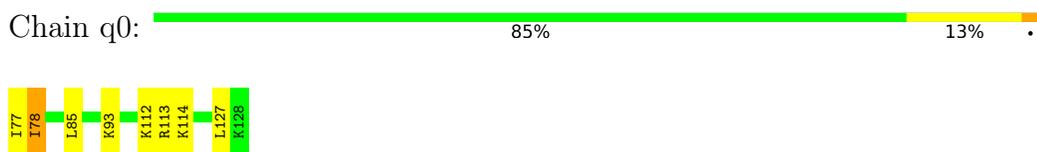
- Molecule 75: 60S ribosomal protein L39



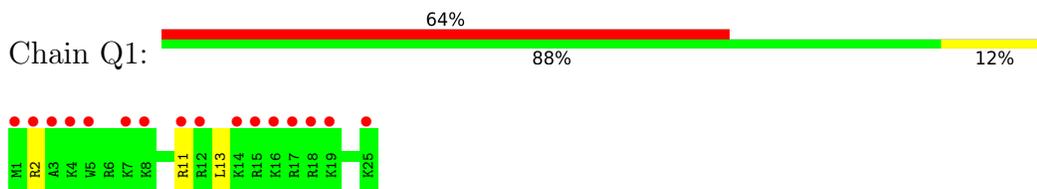
- Molecule 76: Ubiquitin-60S ribosomal protein L40



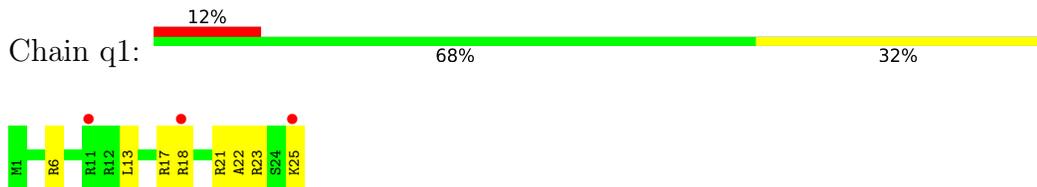
- Molecule 76: Ubiquitin-60S ribosomal protein L40



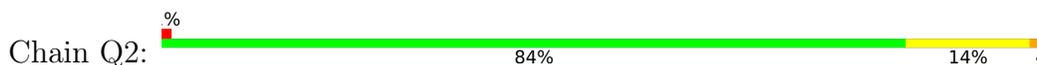
- Molecule 77: 60S ribosomal protein L41-A



- Molecule 77: 60S ribosomal protein L41-A

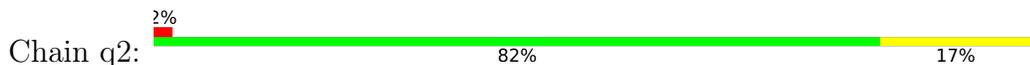


- Molecule 78: 60S ribosomal protein L42-A

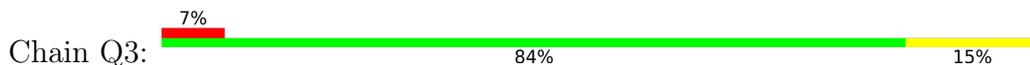




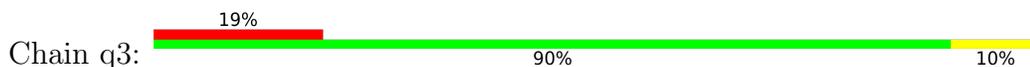
- Molecule 78: 60S ribosomal protein L42-A



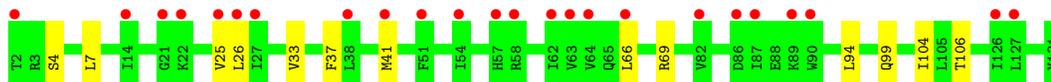
- Molecule 79: 60S ribosomal protein L43-A



- Molecule 79: 60S ribosomal protein L43-A



- Molecule 80: 40S ribosomal protein S22-A

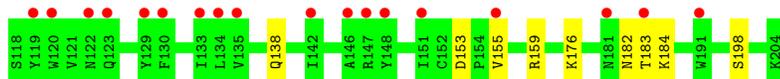


- Molecule 81: 60S ribosomal protein L12-A (uL11)

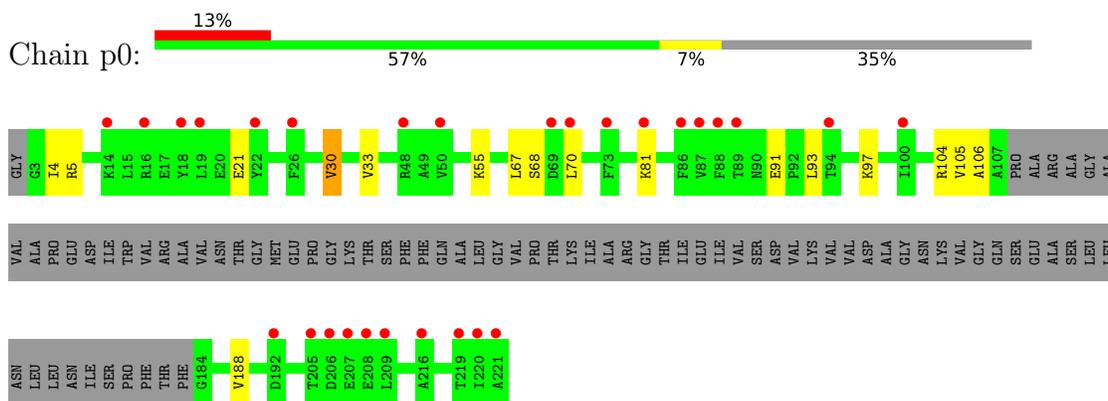


There are no outlier residues recorded for this chain.

- Molecule 82: 60S ribosomal protein L15-A



- Molecule 83: 60S acidic ribosomal protein P0



- Molecule 84: 60S ribosomal protein P1 alpha/P2 beta

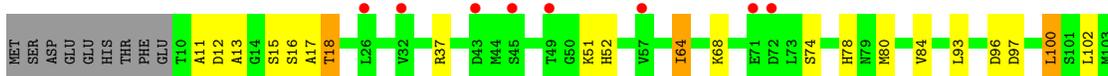


There are no outlier residues recorded for this chain.

- Molecule 84: 60S ribosomal protein P1 alpha/P2 beta



- Molecule 85: Eukaryotic translation initiation factor 5A-1



- Molecule 86: 60S ribosomal protein L1-A (uL1)



4 Data and refinement statistics

Property	Value	Source
Space group	P 1 21 1	Depositor
Cell constants a, b, c, α , β , γ	435.63Å 286.45Å 303.41Å 90.00° 98.85° 90.00°	Depositor
Resolution (Å)	189.16 – 3.15 194.90 – 3.15	Depositor EDS
% Data completeness (in resolution range)	99.8 (189.16-3.15) 99.8 (194.90-3.15)	Depositor EDS
R_{merge}	0.98	Depositor
R_{sym}	(Not available)	Depositor
$\langle I/\sigma(I) \rangle$ ¹	1.36 (at 3.13Å)	Xtrriage
Refinement program	PHENIX	Depositor
R, R_{free}	0.204 , 0.252 0.207 , (Not available)	Depositor DCC
R_{free} test set	No test flags present.	wwPDB-VP
Wilson B-factor (Å ²)	78.9	Xtrriage
Anisotropy	0.130	Xtrriage
Bulk solvent k_{sol} (e/Å ³), B_{sol} (Å ²)	0.32 , 69.8	EDS
L-test for twinning ²	$\langle L \rangle = 0.47$, $\langle L^2 \rangle = 0.30$	Xtrriage
Estimated twinning fraction	No twinning to report.	Xtrriage
F_o, F_c correlation	0.88	EDS
Total number of atoms	414393	wwPDB-VP
Average B, all atoms (Å ²)	77.0	wwPDB-VP

Xtrriage's analysis on translational NCS is as follows: *The largest off-origin peak in the Patterson function is 1.50% of the height of the origin peak. No significant pseudotranslation is detected.*

¹Intensities estimated from amplitudes.

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

5 Model quality i

5.1 Standard geometry i

Bond lengths and bond angles in the following residue types are not validated in this section: 5CT, MG, OHX, ZN

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

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	# Z >5	RMSZ	# Z >5
1	2	0.43	0/42467	0.94	50/66169 (0.1%)
1	6	0.50	0/42790	0.98	58/66673 (0.1%)
2	S0	0.30	0/1617	0.51	0/2215
2	s0	0.33	0/1623	0.56	0/2222
3	S1	0.28	0/1735	0.52	0/2335
3	s1	0.35	0/1748	0.55	0/2352
4	S2	0.33	0/1665	0.53	0/2263
4	s2	0.38	0/1665	0.61	0/2263
5	S3	0.32	0/1759	0.52	0/2368
5	s3	0.31	0/1759	0.49	0/2368
6	S4	0.32	0/2109	0.56	0/2839
6	s4	0.36	0/2109	0.58	0/2839
7	S5	0.29	0/1629	0.51	0/2202
7	s5	0.30	0/1629	0.51	0/2202
8	S6	0.34	0/1823	0.50	0/2439
8	s6	0.37	0/1779	0.55	0/2379
9	S7	0.31	0/1506	0.54	0/2028
9	s7	0.32	0/1516	0.56	0/2043
10	S8	0.35	0/1514	0.53	0/2021
10	s8	0.38	0/1514	0.54	0/2021
11	S9	0.31	0/1519	0.52	0/2035
11	s9	0.36	0/1519	0.52	0/2035
12	C0	0.31	0/789	0.53	1/1067 (0.1%)
12	c0	0.29	0/776	0.58	3/1047 (0.3%)
13	C1	0.36	0/1239	0.53	0/1673
13	c1	0.40	0/1194	0.55	0/1610
14	C2	0.29	0/898	0.52	1/1220 (0.1%)
14	c2	0.26	0/898	0.50	0/1220
15	C3	0.34	0/1215	0.55	0/1638
15	c3	0.37	0/1215	0.52	0/1638
16	C4	0.28	0/901	0.55	0/1217
16	c4	0.34	0/960	0.58	0/1290

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	# Z >5	RMSZ	# Z >5
17	C5	0.32	0/998	0.56	0/1341
17	c5	0.36	0/1060	0.56	1/1426 (0.1%)
18	C6	0.32	0/1125	0.58	1/1510 (0.1%)
18	c6	0.34	0/1131	0.55	0/1518
19	C7	0.35	0/935	0.55	0/1254
19	c7	0.32	0/914	0.52	0/1224
20	C8	0.32	0/1211	0.54	0/1628
20	c8	0.34	0/1211	0.53	0/1628
21	C9	0.32	0/1130	0.52	0/1517
21	c9	0.31	0/1130	0.52	0/1517
22	D0	0.33	0/865	0.53	0/1169
22	d0	0.33	0/892	0.53	0/1205
23	D1	0.32	0/693	0.51	0/935
23	d1	0.36	0/693	0.55	0/935
24	D2	0.33	0/1038	0.60	1/1395 (0.1%)
25	D3	0.39	0/1139	0.58	0/1518
25	d3	0.42	0/1139	0.60	0/1518
26	D4	0.34	0/1087	0.50	0/1449
26	d4	0.36	0/1087	0.57	0/1449
27	D5	0.28	0/571	0.52	0/768
27	d5	0.29	0/566	0.52	0/761
28	D6	0.34	0/782	0.58	0/1047
28	d6	0.42	0/782	0.57	0/1047
29	D7	0.31	0/620	0.52	0/838
29	d7	0.32	0/620	0.54	0/838
30	D8	0.28	0/499	0.49	0/670
30	d8	0.32	0/499	0.53	0/670
31	D9	0.33	0/452	0.57	1/600 (0.2%)
31	d9	0.36	0/452	0.53	0/600
32	E0	0.29	0/483	0.49	0/643
32	e0	0.37	0/499	0.61	0/665
33	E1	0.32	0/577	0.60	0/770
33	e1	0.32	0/619	0.61	0/822
34	SR	0.29	0/2490	0.50	0/3389
34	sR	0.28	0/2495	0.48	0/3395
35	SM	0.35	0/1113	0.58	2/1502 (0.1%)
35	sM	0.37	0/682	0.52	0/921
36	1	0.66	11/75394 (0.0%)	1.10	227/117545 (0.2%)
36	5	0.69	7/75865 (0.0%)	1.12	209/118275 (0.2%)
37	3	0.55	0/2883	0.97	2/4491 (0.0%)
37	7	0.67	1/2883 (0.0%)	1.08	6/4491 (0.1%)
38	4	0.61	0/3746	1.06	2/5832 (0.0%)
38	8	0.61	0/3746	1.04	3/5832 (0.1%)

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	# Z >5	RMSZ	# Z >5
39	L2	0.43	0/1948	0.62	0/2617
39	l2	0.46	0/1946	0.65	1/2614 (0.0%)
40	L3	0.46	0/3146	0.61	0/4228
40	l3	0.51	0/3146	0.63	0/4228
41	L4	0.47	0/2800	0.67	2/3790 (0.1%)
41	l4	0.47	1/2800 (0.0%)	0.66	2/3790 (0.1%)
42	L5	0.39	0/2425	0.57	0/3271
42	l5	0.46	0/2408	0.59	0/3248
43	L6	0.45	0/1260	0.58	0/1694
43	l6	0.49	0/1269	0.61	0/1705
44	L7	0.48	0/1821	0.63	0/2451
44	l7	0.51	0/1828	0.66	2/2461 (0.1%)
45	L8	0.37	0/1836	0.56	0/2481
45	l8	0.36	0/1795	0.55	0/2429
46	L9	0.45	0/1539	0.60	0/2073
46	l9	0.49	0/1539	0.62	0/2073
47	M0	0.48	0/1741	0.62	1/2335 (0.0%)
47	m0	0.50	0/1758	0.69	2/2358 (0.1%)
48	M1	0.36	0/1374	0.57	1/1842 (0.1%)
48	m1	0.43	0/1374	0.60	0/1842
49	M3	0.44	0/1568	0.59	0/2106
49	m3	0.44	0/1573	0.63	0/2113
50	M4	0.46	0/1068	0.58	0/1438
50	m4	0.48	0/1074	0.59	0/1446
51	M5	0.47	0/1755	0.64	0/2350
52	M6	0.53	0/1585	0.65	1/2128 (0.0%)
52	m6	0.60	0/1585	0.69	1/2128 (0.0%)
53	M7	0.48	0/1443	0.61	0/1944
53	m7	0.57	0/1250	0.65	0/1683
54	M8	0.45	0/1465	0.64	0/1965
54	m8	0.47	0/1465	0.66	0/1965
55	M9	0.33	0/1538	0.50	0/2050
55	m9	0.41	0/1538	0.53	0/2050
56	N0	0.47	0/1481	0.65	2/1990 (0.1%)
56	n0	0.52	0/1481	0.64	0/1990
57	N1	0.46	0/1300	0.58	0/1743
57	n1	0.51	0/1300	0.59	0/1743
58	N2	0.31	0/812	0.52	0/1099
58	n2	0.37	0/794	0.57	0/1076
59	N3	0.47	0/1018	0.61	0/1369
59	n3	0.53	0/1018	0.64	0/1369
60	N4	0.37	0/712	0.52	0/958
60	n4	0.42	0/1052	0.55	0/1398

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	# Z >5	RMSZ	# Z >5
61	N5	0.43	0/979	0.60	0/1321
61	n5	0.43	0/974	0.60	0/1314
62	N6	0.47	0/1004	0.67	2/1341 (0.1%)
62	n6	0.43	0/1004	0.63	0/1341
63	N7	0.35	0/1118	0.56	0/1497
63	n7	0.35	0/1118	0.53	0/1497
64	N8	0.46	0/1204	0.66	0/1612
64	n8	0.49	0/1204	0.67	0/1612
65	N9	0.44	0/473	0.58	0/629
65	n9	0.50	0/473	0.69	0/629
66	O0	0.32	0/751	0.51	0/1008
66	o0	0.34	0/775	0.52	0/1040
67	O1	0.43	0/890	0.54	0/1196
67	o1	0.47	0/897	0.65	0/1205
68	O2	0.50	0/1041	0.63	0/1394
68	o2	0.54	0/1041	0.65	0/1394
69	O3	0.52	0/868	0.61	0/1168
69	o3	0.55	0/868	0.65	0/1168
70	O4	0.38	0/890	0.57	1/1189 (0.1%)
70	o4	0.41	0/890	0.60	0/1189
71	O5	0.44	0/978	0.61	0/1301
71	o5	0.39	0/974	0.56	0/1297
72	O6	0.41	0/778	0.61	0/1034
72	o6	0.42	0/777	0.59	0/1033
73	O7	0.48	0/696	0.68	0/923
73	o7	0.47	0/696	0.70	1/923 (0.1%)
74	O8	0.36	0/618	0.53	0/826
74	o8	0.36	0/614	0.56	0/822
75	O9	0.48	0/443	0.69	0/588
75	o9	0.52	0/443	0.62	0/588
76	Q0	0.45	0/423	0.66	0/562
76	q0	0.52	0/423	0.64	0/562
77	Q1	0.40	0/234	0.67	0/300
77	q1	0.51	0/234	0.66	0/300
78	Q2	0.58	1/860 (0.1%)	0.64	0/1136
78	q2	0.63	1/860 (0.1%)	0.70	1/1136 (0.1%)
79	Q3	0.42	0/701	0.59	0/934
79	q3	0.49	0/701	0.60	0/934
80	d2	0.37	0/1035	0.62	1/1388 (0.1%)
82	m5	0.43	0/1757	0.60	0/2354
83	p0	0.30	0/1092	0.48	0/1474
85	f	0.40	0/1121	0.64	0/1508
All	All	0.53	22/432423 (0.0%)	0.91	589/634777 (0.1%)

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

Mol	Chain	#Chirality outliers	#Planarity outliers
12	c0	0	1
16	c4	0	1
18	c6	0	1
19	C7	0	1
20	C8	0	1
27	D5	0	1
28	D6	0	2
44	L7	0	1
44	l7	0	1
52	M6	0	2
52	m6	0	1
64	n8	0	2
65	N9	0	1
85	f	1	0
86	l1	0	13
All	All	1	29

The worst 5 of 22 bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
78	q2	17	CYS	CB-SG	11.44	2.01	1.82
78	Q2	17	CYS	CB-SG	10.39	2.00	1.82
36	1	2954	U	C2-N3	9.03	1.44	1.37
36	5	1152	G	N9-C4	-8.08	1.31	1.38
36	1	2808	A	N3-C4	7.52	1.39	1.34

The worst 5 of 589 bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
36	5	1152	G	N3-C4-N9	-16.35	116.19	126.00
36	5	1152	G	N3-C4-C5	16.30	136.75	128.60
36	5	1152	G	C2-N3-C4	-13.10	105.35	111.90
36	5	2199	G	N1-C6-O6	12.73	127.54	119.90
36	5	2403	G	N1-C6-O6	10.83	126.40	119.90

All (1) chirality outliers are listed below:

Mol	Chain	Res	Type	Atom
85	f	51	5CT	C2

5 of 29 planarity outliers are listed below:

Mol	Chain	Res	Type	Group
19	C7	85	VAL	Peptide
20	C8	81	ILE	Peptide
27	D5	94	LYS	Peptide
28	D6	10	ARG	Peptide
28	D6	97	PRO	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%)	156 (76%)	29 (14%)	19 (9%)	0	3
2	s0	204/251 (81%)	159 (78%)	28 (14%)	17 (8%)	1	4
3	S1	212/254 (84%)	153 (72%)	34 (16%)	25 (12%)	0	1
3	s1	214/254 (84%)	172 (80%)	29 (14%)	13 (6%)	1	10
4	S2	215/253 (85%)	173 (80%)	33 (15%)	9 (4%)	3	17
4	s2	215/253 (85%)	176 (82%)	31 (14%)	8 (4%)	3	19
5	S3	221/239 (92%)	189 (86%)	24 (11%)	8 (4%)	3	20
5	s3	221/239 (92%)	180 (81%)	30 (14%)	11 (5%)	2	14
6	S4	258/260 (99%)	207 (80%)	35 (14%)	16 (6%)	1	9
6	s4	258/260 (99%)	211 (82%)	30 (12%)	17 (7%)	1	8
7	S5	204/224 (91%)	158 (78%)	32 (16%)	14 (7%)	1	7

Continued on next page...

Continued from previous page...

Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
7	s5	204/224 (91%)	157 (77%)	29 (14%)	18 (9%)	1	3
8	S6	224/236 (95%)	193 (86%)	22 (10%)	9 (4%)	3	18
8	s6	216/236 (92%)	188 (87%)	19 (9%)	9 (4%)	3	17
9	S7	182/189 (96%)	139 (76%)	28 (15%)	15 (8%)	1	4
9	s7	184/189 (97%)	147 (80%)	20 (11%)	17 (9%)	1	3
10	S8	184/200 (92%)	160 (87%)	16 (9%)	8 (4%)	2	17
10	s8	184/200 (92%)	154 (84%)	21 (11%)	9 (5%)	2	14
11	S9	183/196 (93%)	145 (79%)	28 (15%)	10 (6%)	2	12
11	s9	183/196 (93%)	150 (82%)	23 (13%)	10 (6%)	2	12
12	C0	94/105 (90%)	74 (79%)	13 (14%)	7 (7%)	1	6
12	c0	92/105 (88%)	60 (65%)	17 (18%)	15 (16%)	0	0
13	C1	153/155 (99%)	119 (78%)	27 (18%)	7 (5%)	2	15
13	c1	144/155 (93%)	120 (83%)	19 (13%)	5 (4%)	3	21
14	C2	122/124 (98%)	74 (61%)	33 (27%)	15 (12%)	0	1
14	c2	122/124 (98%)	76 (62%)	33 (27%)	13 (11%)	0	2
15	C3	148/150 (99%)	127 (86%)	17 (12%)	4 (3%)	5	27
15	c3	148/150 (99%)	118 (80%)	23 (16%)	7 (5%)	2	15
16	C4	125/136 (92%)	86 (69%)	25 (20%)	14 (11%)	0	2
16	c4	126/136 (93%)	98 (78%)	17 (14%)	11 (9%)	1	4
17	C5	122/137 (89%)	89 (73%)	20 (16%)	13 (11%)	0	2
17	c5	133/137 (97%)	99 (74%)	20 (15%)	14 (10%)	0	2
18	C6	139/142 (98%)	114 (82%)	13 (9%)	12 (9%)	1	4
18	c6	140/142 (99%)	117 (84%)	14 (10%)	9 (6%)	1	9
19	C7	116/136 (85%)	89 (77%)	16 (14%)	11 (10%)	0	3
19	c7	113/136 (83%)	87 (77%)	21 (19%)	5 (4%)	2	16
20	C8	143/145 (99%)	110 (77%)	24 (17%)	9 (6%)	1	9
20	c8	143/145 (99%)	110 (77%)	26 (18%)	7 (5%)	2	14
21	C9	141/143 (99%)	113 (80%)	22 (16%)	6 (4%)	2	17
21	c9	141/143 (99%)	121 (86%)	14 (10%)	6 (4%)	2	17
22	D0	105/120 (88%)	88 (84%)	15 (14%)	2 (2%)	8	36
22	d0	108/120 (90%)	89 (82%)	13 (12%)	6 (6%)	2	12

Continued on next page...

Continued from previous page...

Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
23	D1	85/87 (98%)	65 (76%)	14 (16%)	6 (7%)	1	6
23	d1	85/87 (98%)	66 (78%)	13 (15%)	6 (7%)	1	6
24	D2	127/129 (98%)	106 (84%)	18 (14%)	3 (2%)	6	30
25	D3	142/144 (99%)	116 (82%)	15 (11%)	11 (8%)	1	5
25	d3	142/144 (99%)	128 (90%)	12 (8%)	2 (1%)	11	43
26	D4	132/134 (98%)	112 (85%)	11 (8%)	9 (7%)	1	7
26	d4	132/134 (98%)	109 (83%)	14 (11%)	9 (7%)	1	7
27	D5	68/107 (64%)	49 (72%)	12 (18%)	7 (10%)	0	2
27	d5	67/107 (63%)	52 (78%)	12 (18%)	3 (4%)	2	16
28	D6	95/97 (98%)	57 (60%)	21 (22%)	17 (18%)	0	0
28	d6	95/97 (98%)	68 (72%)	19 (20%)	8 (8%)	1	4
29	D7	79/81 (98%)	66 (84%)	5 (6%)	8 (10%)	0	2
29	d7	79/81 (98%)	60 (76%)	18 (23%)	1 (1%)	12	44
30	D8	61/66 (92%)	53 (87%)	6 (10%)	2 (3%)	4	22
30	d8	61/66 (92%)	45 (74%)	12 (20%)	4 (7%)	1	8
31	D9	51/55 (93%)	41 (80%)	8 (16%)	2 (4%)	3	19
31	d9	51/55 (93%)	40 (78%)	8 (16%)	3 (6%)	1	11
32	E0	58/62 (94%)	43 (74%)	11 (19%)	4 (7%)	1	7
32	e0	60/62 (97%)	45 (75%)	10 (17%)	5 (8%)	1	4
33	E1	69/76 (91%)	35 (51%)	20 (29%)	14 (20%)	0	0
33	e1	74/76 (97%)	40 (54%)	14 (19%)	20 (27%)	0	0
34	SR	316/318 (99%)	263 (83%)	40 (13%)	13 (4%)	3	18
34	sR	316/318 (99%)	257 (81%)	43 (14%)	16 (5%)	2	13
35	SM	155/273 (57%)	107 (69%)	27 (17%)	21 (14%)	0	1
35	sM	98/273 (36%)	60 (61%)	22 (22%)	16 (16%)	0	0
39	L2	250/253 (99%)	221 (88%)	20 (8%)	9 (4%)	3	20
39	l2	250/253 (99%)	216 (86%)	24 (10%)	10 (4%)	3	18
40	L3	384/386 (100%)	329 (86%)	41 (11%)	14 (4%)	3	20
40	l3	384/386 (100%)	344 (90%)	30 (8%)	10 (3%)	5	28
41	L4	359/361 (99%)	303 (84%)	37 (10%)	19 (5%)	2	13
41	l4	359/361 (99%)	301 (84%)	40 (11%)	18 (5%)	2	14

Continued on next page...

Continued from previous page...

Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
42	L5	294/296 (99%)	239 (81%)	32 (11%)	23 (8%)	1	5
42	l5	292/296 (99%)	263 (90%)	19 (6%)	10 (3%)	3	21
43	L6	152/175 (87%)	132 (87%)	17 (11%)	3 (2%)	7	34
43	l6	153/175 (87%)	134 (88%)	16 (10%)	3 (2%)	7	34
44	L7	220/243 (90%)	199 (90%)	13 (6%)	8 (4%)	3	20
44	l7	221/243 (91%)	208 (94%)	8 (4%)	5 (2%)	6	31
45	L8	231/255 (91%)	188 (81%)	35 (15%)	8 (4%)	3	21
45	l8	229/255 (90%)	186 (81%)	30 (13%)	13 (6%)	1	12
46	L9	189/191 (99%)	161 (85%)	19 (10%)	9 (5%)	2	15
46	l9	189/191 (99%)	168 (89%)	18 (10%)	3 (2%)	9	40
47	M0	207/220 (94%)	172 (83%)	28 (14%)	7 (3%)	3	21
47	m0	209/220 (95%)	173 (83%)	19 (9%)	17 (8%)	1	4
48	M1	167/173 (96%)	125 (75%)	27 (16%)	15 (9%)	1	3
48	m1	167/173 (96%)	142 (85%)	18 (11%)	7 (4%)	3	17
49	M3	191/198 (96%)	161 (84%)	20 (10%)	10 (5%)	2	13
49	m3	192/198 (97%)	155 (81%)	19 (10%)	18 (9%)	0	3
50	M4	134/137 (98%)	119 (89%)	12 (9%)	3 (2%)	6	32
50	m4	135/137 (98%)	125 (93%)	8 (6%)	2 (2%)	10	41
51	M5	199/204 (98%)	174 (87%)	20 (10%)	5 (2%)	5	29
52	M6	195/198 (98%)	173 (89%)	18 (9%)	4 (2%)	7	33
52	m6	195/198 (98%)	177 (91%)	13 (7%)	5 (3%)	5	28
53	M7	181/183 (99%)	156 (86%)	20 (11%)	5 (3%)	5	26
53	m7	153/183 (84%)	139 (91%)	13 (8%)	1 (1%)	22	59
54	M8	183/185 (99%)	165 (90%)	13 (7%)	5 (3%)	5	27
54	m8	183/185 (99%)	157 (86%)	20 (11%)	6 (3%)	4	22
55	M9	186/188 (99%)	160 (86%)	23 (12%)	3 (2%)	9	40
55	m9	186/188 (99%)	167 (90%)	15 (8%)	4 (2%)	6	32
56	N0	170/172 (99%)	154 (91%)	11 (6%)	5 (3%)	4	25
56	n0	170/172 (99%)	158 (93%)	10 (6%)	2 (1%)	13	46
57	N1	157/159 (99%)	141 (90%)	13 (8%)	3 (2%)	8	36
57	n1	157/159 (99%)	130 (83%)	24 (15%)	3 (2%)	8	36

Continued on next page...

Continued from previous page...

Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
58	N2	98/120 (82%)	74 (76%)	16 (16%)	8 (8%)	1	4
58	n2	96/120 (80%)	79 (82%)	14 (15%)	3 (3%)	4	23
59	N3	134/136 (98%)	120 (90%)	11 (8%)	3 (2%)	6	32
59	n3	134/136 (98%)	124 (92%)	9 (7%)	1 (1%)	22	59
60	N4	96/155 (62%)	72 (75%)	19 (20%)	5 (5%)	2	13
60	n4	133/155 (86%)	108 (81%)	18 (14%)	7 (5%)	2	13
61	N5	119/141 (84%)	107 (90%)	9 (8%)	3 (2%)	5	29
61	n5	118/141 (84%)	99 (84%)	9 (8%)	10 (8%)	1	4
62	N6	124/126 (98%)	108 (87%)	14 (11%)	2 (2%)	9	40
62	n6	124/126 (98%)	110 (89%)	9 (7%)	5 (4%)	3	18
63	N7	133/135 (98%)	103 (77%)	16 (12%)	14 (10%)	0	2
63	n7	133/135 (98%)	103 (77%)	22 (16%)	8 (6%)	1	10
64	N8	146/148 (99%)	121 (83%)	18 (12%)	7 (5%)	2	15
64	n8	146/148 (99%)	121 (83%)	19 (13%)	6 (4%)	3	18
65	N9	56/58 (97%)	45 (80%)	9 (16%)	2 (4%)	3	20
65	n9	56/58 (97%)	40 (71%)	11 (20%)	5 (9%)	1	3
66	O0	95/104 (91%)	84 (88%)	11 (12%)	0	100	100
66	o0	98/104 (94%)	84 (86%)	8 (8%)	6 (6%)	1	10
67	O1	107/112 (96%)	96 (90%)	5 (5%)	6 (6%)	2	12
67	o1	107/112 (96%)	82 (77%)	20 (19%)	5 (5%)	2	15
68	O2	125/129 (97%)	113 (90%)	9 (7%)	3 (2%)	6	30
68	o2	125/129 (97%)	109 (87%)	11 (9%)	5 (4%)	3	18
69	O3	104/106 (98%)	100 (96%)	4 (4%)	0	100	100
69	o3	104/106 (98%)	92 (88%)	11 (11%)	1 (1%)	15	51
70	O4	110/119 (92%)	99 (90%)	11 (10%)	0	100	100
70	o4	110/119 (92%)	94 (86%)	15 (14%)	1 (1%)	17	53
71	O5	117/119 (98%)	97 (83%)	18 (15%)	2 (2%)	9	38
71	o5	117/119 (98%)	104 (89%)	10 (8%)	3 (3%)	5	28
72	O6	97/99 (98%)	77 (79%)	11 (11%)	9 (9%)	0	3
72	o6	97/99 (98%)	79 (81%)	10 (10%)	8 (8%)	1	4
73	O7	85/87 (98%)	71 (84%)	12 (14%)	2 (2%)	6	30

Continued on next page...

Continued from previous page...

Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
73	o7	85/87 (98%)	71 (84%)	13 (15%)	1 (1%)	13	46
74	O8	75/77 (97%)	65 (87%)	8 (11%)	2 (3%)	5	27
74	o8	75/77 (97%)	61 (81%)	11 (15%)	3 (4%)	3	18
75	O9	48/50 (96%)	42 (88%)	5 (10%)	1 (2%)	7	33
75	o9	48/50 (96%)	43 (90%)	5 (10%)	0	100	100
76	Q0	50/52 (96%)	47 (94%)	2 (4%)	1 (2%)	7	34
76	q0	50/52 (96%)	44 (88%)	5 (10%)	1 (2%)	7	34
77	Q1	23/25 (92%)	23 (100%)	0	0	100	100
77	q1	23/25 (92%)	21 (91%)	1 (4%)	1 (4%)	2	17
78	Q2	103/105 (98%)	84 (82%)	16 (16%)	3 (3%)	4	25
78	q2	103/105 (98%)	90 (87%)	8 (8%)	5 (5%)	2	14
79	Q3	89/91 (98%)	77 (86%)	9 (10%)	3 (3%)	3	21
79	q3	89/91 (98%)	79 (89%)	9 (10%)	1 (1%)	14	48
80	d2	125/130 (96%)	114 (91%)	10 (8%)	1 (1%)	19	55
82	m5	201/203 (99%)	178 (89%)	19 (10%)	4 (2%)	7	34
83	p0	139/220 (63%)	112 (81%)	20 (14%)	7 (5%)	2	14
85	f	145/157 (92%)	96 (66%)	29 (20%)	20 (14%)	0	1
All	All	22474/24167 (93%)	18605 (83%)	2710 (12%)	1159 (5%)	2	13

5 of 1159 Ramachandran outliers are listed below:

Mol	Chain	Res	Type
2	S0	4	PRO
2	S0	158	VAL
2	S0	191	ARG
2	S0	192	THR
2	S0	202	TYR

5.3.2 Protein sidechains [i](#)

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

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

Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
2	S0	164/209 (78%)	139 (85%)	25 (15%)	3	12
2	s0	165/209 (79%)	146 (88%)	19 (12%)	5	22
3	S1	191/223 (86%)	167 (87%)	24 (13%)	4	19
3	s1	192/223 (86%)	156 (81%)	36 (19%)	1	7
4	S2	176/204 (86%)	151 (86%)	25 (14%)	3	14
4	s2	176/204 (86%)	140 (80%)	36 (20%)	1	5
5	S3	182/194 (94%)	155 (85%)	27 (15%)	3	13
5	s3	182/194 (94%)	162 (89%)	20 (11%)	6	24
6	S4	221/221 (100%)	190 (86%)	31 (14%)	3	15
6	s4	221/221 (100%)	191 (86%)	30 (14%)	3	16
7	S5	173/190 (91%)	146 (84%)	27 (16%)	2	11
7	s5	173/190 (91%)	150 (87%)	23 (13%)	4	17
8	S6	188/201 (94%)	164 (87%)	24 (13%)	4	18
8	s6	187/201 (93%)	163 (87%)	24 (13%)	4	18
9	S7	165/169 (98%)	141 (86%)	24 (14%)	3	14
9	s7	165/169 (98%)	144 (87%)	21 (13%)	4	19
10	S8	150/161 (93%)	136 (91%)	14 (9%)	9	31
10	s8	150/161 (93%)	128 (85%)	22 (15%)	3	13
11	S9	158/165 (96%)	136 (86%)	22 (14%)	3	15
11	s9	158/165 (96%)	130 (82%)	28 (18%)	2	8
12	C0	77/98 (79%)	69 (90%)	8 (10%)	7	26
12	c0	73/98 (74%)	67 (92%)	6 (8%)	11	38
13	C1	129/136 (95%)	122 (95%)	7 (5%)	22	55
13	c1	129/136 (95%)	107 (83%)	22 (17%)	2	9
14	C2	88/100 (88%)	79 (90%)	9 (10%)	7	27
14	c2	88/100 (88%)	80 (91%)	8 (9%)	9	32
15	C3	127/127 (100%)	107 (84%)	20 (16%)	2	11
15	c3	127/127 (100%)	108 (85%)	19 (15%)	3	13
16	C4	81/104 (78%)	68 (84%)	13 (16%)	2	10
16	c4	97/104 (93%)	83 (86%)	14 (14%)	3	14
17	C5	101/113 (89%)	87 (86%)	14 (14%)	3	15
17	c5	103/113 (91%)	89 (86%)	14 (14%)	3	16

Continued on next page...

Continued from previous page...

Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
18	C6	117/118 (99%)	101 (86%)	16 (14%)	3	16
18	c6	118/118 (100%)	98 (83%)	20 (17%)	2	9
19	C7	94/124 (76%)	77 (82%)	17 (18%)	1	8
19	c7	92/124 (74%)	81 (88%)	11 (12%)	5	21
20	C8	128/128 (100%)	105 (82%)	23 (18%)	1	8
20	c8	128/128 (100%)	108 (84%)	20 (16%)	2	11
21	C9	115/115 (100%)	101 (88%)	14 (12%)	5	20
21	c9	115/115 (100%)	98 (85%)	17 (15%)	3	13
22	D0	100/113 (88%)	87 (87%)	13 (13%)	4	18
22	d0	103/113 (91%)	86 (84%)	17 (16%)	2	10
23	D1	74/74 (100%)	64 (86%)	10 (14%)	4	17
23	d1	74/74 (100%)	63 (85%)	11 (15%)	3	13
24	D2	110/110 (100%)	92 (84%)	18 (16%)	2	10
25	D3	119/119 (100%)	103 (87%)	16 (13%)	4	17
25	d3	119/119 (100%)	108 (91%)	11 (9%)	9	31
26	D4	112/112 (100%)	101 (90%)	11 (10%)	8	28
26	d4	112/112 (100%)	95 (85%)	17 (15%)	3	12
27	D5	61/88 (69%)	48 (79%)	13 (21%)	1	5
27	d5	61/88 (69%)	53 (87%)	8 (13%)	4	18
28	D6	83/83 (100%)	70 (84%)	13 (16%)	2	11
28	d6	83/83 (100%)	74 (89%)	9 (11%)	6	25
29	D7	70/70 (100%)	64 (91%)	6 (9%)	10	35
29	d7	70/70 (100%)	61 (87%)	9 (13%)	4	18
30	D8	56/59 (95%)	49 (88%)	7 (12%)	4	19
30	d8	56/59 (95%)	47 (84%)	9 (16%)	2	10
31	D9	47/48 (98%)	39 (83%)	8 (17%)	2	9
31	d9	47/48 (98%)	38 (81%)	9 (19%)	1	7
32	E0	51/53 (96%)	45 (88%)	6 (12%)	5	21
32	e0	53/53 (100%)	44 (83%)	9 (17%)	2	9
33	E1	62/66 (94%)	51 (82%)	11 (18%)	2	8
33	e1	66/66 (100%)	55 (83%)	11 (17%)	2	9

Continued on next page...

Continued from previous page...

Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
34	SR	259/261 (99%)	239 (92%)	20 (8%)	13	41
34	sR	260/261 (100%)	233 (90%)	27 (10%)	7	26
35	SM	97/228 (42%)	73 (75%)	24 (25%)	0	2
35	sM	54/228 (24%)	48 (89%)	6 (11%)	6	24
39	L2	193/195 (99%)	163 (84%)	30 (16%)	2	11
39	l2	192/195 (98%)	157 (82%)	35 (18%)	1	8
40	L3	319/322 (99%)	263 (82%)	56 (18%)	2	9
40	l3	320/322 (99%)	259 (81%)	61 (19%)	1	7
41	L4	288/288 (100%)	241 (84%)	47 (16%)	2	10
41	l4	288/288 (100%)	238 (83%)	50 (17%)	2	9
42	L5	244/244 (100%)	196 (80%)	48 (20%)	1	6
42	l5	243/244 (100%)	199 (82%)	44 (18%)	1	8
43	L6	134/152 (88%)	113 (84%)	21 (16%)	2	11
43	l6	135/152 (89%)	112 (83%)	23 (17%)	2	9
44	L7	186/204 (91%)	166 (89%)	20 (11%)	6	25
44	l7	187/204 (92%)	162 (87%)	25 (13%)	4	17
45	L8	187/207 (90%)	155 (83%)	32 (17%)	2	9
45	l8	177/207 (86%)	144 (81%)	33 (19%)	1	8
46	L9	171/171 (100%)	143 (84%)	28 (16%)	2	10
46	l9	171/171 (100%)	135 (79%)	36 (21%)	1	5
47	M0	177/186 (95%)	148 (84%)	29 (16%)	2	10
47	m0	179/186 (96%)	142 (79%)	37 (21%)	1	5
48	M1	147/150 (98%)	121 (82%)	26 (18%)	2	8
48	m1	147/150 (98%)	120 (82%)	27 (18%)	1	8
49	M3	154/158 (98%)	136 (88%)	18 (12%)	5	22
49	m3	154/158 (98%)	130 (84%)	24 (16%)	2	11
50	M4	107/108 (99%)	87 (81%)	20 (19%)	1	8
50	m4	108/108 (100%)	96 (89%)	12 (11%)	6	24
51	M5	175/176 (99%)	149 (85%)	26 (15%)	3	13
52	M6	160/161 (99%)	143 (89%)	17 (11%)	6	25
52	m6	160/161 (99%)	136 (85%)	24 (15%)	3	13

Continued on next page...

Continued from previous page...

Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
53	M7	140/145 (97%)	121 (86%)	19 (14%)	3	16
53	m7	125/145 (86%)	103 (82%)	22 (18%)	2	9
54	M8	150/150 (100%)	133 (89%)	17 (11%)	6	23
54	m8	150/150 (100%)	123 (82%)	27 (18%)	1	8
55	M9	153/153 (100%)	137 (90%)	16 (10%)	7	26
55	m9	153/153 (100%)	128 (84%)	25 (16%)	2	10
56	N0	156/156 (100%)	126 (81%)	30 (19%)	1	7
56	n0	156/156 (100%)	131 (84%)	25 (16%)	2	10
57	N1	136/136 (100%)	113 (83%)	23 (17%)	2	9
57	n1	136/136 (100%)	113 (83%)	23 (17%)	2	9
58	N2	87/106 (82%)	78 (90%)	9 (10%)	7	26
58	n2	85/106 (80%)	76 (89%)	9 (11%)	6	25
59	N3	104/104 (100%)	91 (88%)	13 (12%)	4	19
59	n3	104/104 (100%)	97 (93%)	7 (7%)	16	47
60	N4	57/129 (44%)	50 (88%)	7 (12%)	4	20
60	n4	100/129 (78%)	90 (90%)	10 (10%)	7	28
61	N5	104/117 (89%)	82 (79%)	22 (21%)	1	5
61	n5	104/117 (89%)	83 (80%)	21 (20%)	1	6
62	N6	109/109 (100%)	90 (83%)	19 (17%)	2	9
62	n6	109/109 (100%)	91 (84%)	18 (16%)	2	10
63	N7	115/115 (100%)	97 (84%)	18 (16%)	2	11
63	n7	115/115 (100%)	97 (84%)	18 (16%)	2	11
64	N8	118/118 (100%)	102 (86%)	16 (14%)	3	16
64	n8	118/118 (100%)	97 (82%)	21 (18%)	2	8
65	N9	46/46 (100%)	41 (89%)	5 (11%)	6	24
65	n9	46/46 (100%)	40 (87%)	6 (13%)	4	18
66	O0	81/87 (93%)	65 (80%)	16 (20%)	1	6
66	o0	84/87 (97%)	72 (86%)	12 (14%)	3	14
67	O1	92/96 (96%)	76 (83%)	16 (17%)	2	9
67	o1	94/96 (98%)	76 (81%)	18 (19%)	1	7
68	O2	109/110 (99%)	90 (83%)	19 (17%)	2	9

Continued on next page...

Continued from previous page...

Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
68	o2	109/110 (99%)	93 (85%)	16 (15%)	3	13
69	O3	90/90 (100%)	78 (87%)	12 (13%)	4	17
69	o3	90/90 (100%)	78 (87%)	12 (13%)	4	17
70	O4	95/101 (94%)	80 (84%)	15 (16%)	2	11
70	o4	95/101 (94%)	79 (83%)	16 (17%)	2	9
71	O5	104/104 (100%)	88 (85%)	16 (15%)	2	12
71	o5	103/104 (99%)	90 (87%)	13 (13%)	4	19
72	O6	81/81 (100%)	70 (86%)	11 (14%)	3	16
72	o6	80/81 (99%)	58 (72%)	22 (28%)	0	1
73	O7	70/70 (100%)	58 (83%)	12 (17%)	2	9
73	o7	70/70 (100%)	62 (89%)	8 (11%)	5	23
74	O8	68/68 (100%)	53 (78%)	15 (22%)	1	4
74	o8	67/68 (98%)	57 (85%)	10 (15%)	3	13
75	O9	45/45 (100%)	36 (80%)	9 (20%)	1	6
75	o9	45/45 (100%)	37 (82%)	8 (18%)	2	8
76	Q0	47/47 (100%)	39 (83%)	8 (17%)	2	9
76	q0	47/47 (100%)	39 (83%)	8 (17%)	2	9
77	Q1	23/23 (100%)	20 (87%)	3 (13%)	4	18
77	q1	23/23 (100%)	16 (70%)	7 (30%)	0	1
78	Q2	90/90 (100%)	75 (83%)	15 (17%)	2	9
78	q2	90/90 (100%)	76 (84%)	14 (16%)	2	11
79	Q3	71/71 (100%)	58 (82%)	13 (18%)	1	8
79	q3	71/71 (100%)	63 (89%)	8 (11%)	6	23
80	d2	110/111 (99%)	99 (90%)	11 (10%)	7	28
82	m5	175/175 (100%)	151 (86%)	24 (14%)	3	16
83	p0	105/186 (56%)	94 (90%)	11 (10%)	7	26
85	f	123/132 (93%)	100 (81%)	23 (19%)	1	8
All	All	18849/20264 (93%)	16010 (85%)	2839 (15%)	3	13

5 of 2839 residues with a non-rotameric sidechain are listed below:

Mol	Chain	Res	Type
27	d5	69	LEU

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type
48	m1	11	ASP
33	e1	106	TYR
27	d5	57	TYR
41	l4	270	SER

Sometimes sidechains can be flipped to improve hydrogen bonding and reduce clashes. 5 of 49 such sidechains are listed below:

Mol	Chain	Res	Type
9	s7	71	HIS
30	d8	43	ASN
11	s9	110	GLN
15	c3	123	HIS
41	l4	311	HIS

5.3.3 RNA [i](#)

Mol	Chain	Analysed	Backbone Outliers	Pucker Outliers
1	2	1776/1800 (98%)	448 (25%)	41 (2%)
1	6	1791/1800 (99%)	444 (24%)	32 (1%)
36	1	3145/3396 (92%)	646 (20%)	55 (1%)
36	5	3163/3396 (93%)	632 (19%)	59 (1%)
37	3	120/121 (99%)	10 (8%)	0
37	7	120/121 (99%)	17 (14%)	1 (0%)
38	4	157/158 (99%)	35 (22%)	4 (2%)
38	8	157/158 (99%)	32 (20%)	0
All	All	10429/10950 (95%)	2264 (21%)	192 (1%)

5 of 2264 RNA backbone outliers are listed below:

Mol	Chain	Res	Type
1	2	2	A
1	2	4	C
1	2	8	U
1	2	25	C
1	2	26	A

5 of 192 RNA pucker outliers are listed below:

Mol	Chain	Res	Type
1	6	1051	G

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type
36	5	993	G
1	6	1238	A
1	6	1657	U
36	5	1238	C

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

1 non-standard protein/DNA/RNA residue is modelled in this entry.

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

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\# Z > 2$	Counts	RMSZ	$\# Z > 2$
85	5CT	f	51	85	13,14,15	2.24	4 (30%)	9,15,17	2.12	3 (33%)

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
85	5CT	f	51	85	1/1/2/4	7/13/14/16	-

All (4) bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
85	f	51	5CT	O1-C2	-6.40	1.24	1.43
85	f	51	5CT	C1-NZ	-3.09	1.41	1.47
85	f	51	5CT	C1-C2	2.24	1.57	1.52
85	f	51	5CT	CB-CA	2.16	1.56	1.53

All (3) bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
85	f	51	5CT	C3-C2-C1	3.86	120.96	112.16

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
85	f	51	5CT	O1-C2-C1	3.31	120.64	109.32
85	f	51	5CT	O1-C2-C3	3.21	118.39	109.21

All (1) chirality outliers are listed below:

Mol	Chain	Res	Type	Atom
85	f	51	5CT	C2

5 of 7 torsion outliers are listed below:

Mol	Chain	Res	Type	Atoms
85	f	51	5CT	C2-C3-C4-N1
85	f	51	5CT	CG-CD-CE-NZ
85	f	51	5CT	NZ-C1-C2-C3
85	f	51	5CT	CE-CD-CG-CB
85	f	51	5CT	CD-CE-NZ-C1

There are no ring outliers.

No monomer is involved in short contacts.

5.5 Carbohydrates [i](#)

There are no monosaccharides in this entry.

5.6 Ligand geometry [i](#)

Of 2290 ligands modelled in this entry, 1124 are monoatomic - leaving 1166 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	$\# Z > 2$
88	OHX	1	3920	-	0,6,6	-	-	-		
88	OHX	5	3913	-	0,6,6	-	-	-		
88	OHX	1	4084	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
88	OHX	5	4053	-	0,6,6	-	-	-	-	-
88	OHX	5	4082	-	0,6,6	-	-	-	-	-
88	OHX	2	2101	-	0,6,6	-	-	-	-	-
88	OHX	5	4056	-	0,6,6	-	-	-	-	-
88	OHX	5	3880	-	0,6,6	-	-	-	-	-
88	OHX	1	3788	-	0,6,6	-	-	-	-	-
88	OHX	2	2142	-	0,6,6	-	-	-	-	-
88	OHX	1	3924	-	0,6,6	-	-	-	-	-
88	OHX	1	3903	-	0,6,6	-	-	-	-	-
88	OHX	6	2088	-	0,6,6	-	-	-	-	-
88	OHX	1	3951	-	0,6,6	-	-	-	-	-
88	OHX	1	3972	-	0,6,6	-	-	-	-	-
88	OHX	5	3865	-	0,6,6	-	-	-	-	-
88	OHX	5	3931	-	0,6,6	-	-	-	-	-
88	OHX	5	3961	-	0,6,6	-	-	-	-	-
88	OHX	2	2103	-	0,6,6	-	-	-	-	-
88	OHX	5	3847	-	0,6,6	-	-	-	-	-
88	OHX	6	2056	-	0,6,6	-	-	-	-	-
88	OHX	5	3817	-	0,6,6	-	-	-	-	-
88	OHX	2	1994	-	0,6,6	-	-	-	-	-
88	OHX	6	2032	-	0,6,6	-	-	-	-	-
88	OHX	1	3837	-	0,6,6	-	-	-	-	-
88	OHX	6	2076	-	0,6,6	-	-	-	-	-
88	OHX	2	2017	-	0,6,6	-	-	-	-	-
88	OHX	6	2159	-	0,6,6	-	-	-	-	-
88	OHX	7	216	-	0,6,6	-	-	-	-	-
88	OHX	1	3784	-	0,6,6	-	-	-	-	-
88	OHX	5	4034	-	0,6,6	-	-	-	-	-
88	OHX	5	3899	-	0,6,6	-	-	-	-	-
88	OHX	6	2134	-	0,6,6	-	-	-	-	-
88	OHX	5	3965	-	0,6,6	-	-	-	-	-
88	OHX	4	231	-	0,6,6	-	-	-	-	-
88	OHX	1	3826	-	0,6,6	-	-	-	-	-
88	OHX	6	2072	-	0,6,6	-	-	-	-	-
88	OHX	1	3930	-	0,6,6	-	-	-	-	-
88	OHX	5	3981	-	0,6,6	-	-	-	-	-
88	OHX	8	220	-	0,6,6	-	-	-	-	-
88	OHX	6	2034	-	0,6,6	-	-	-	-	-
88	OHX	5	3851	-	0,6,6	-	-	-	-	-
88	OHX	2	2128	-	0,6,6	-	-	-	-	-
88	OHX	1	3914	-	0,6,6	-	-	-	-	-
88	OHX	2	2022	-	0,6,6	-	-	-	-	-
88	OHX	2	2135	-	0,6,6	-	-	-	-	-

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
88	OHX	5	4010	-	0,6,6	-	-	-	-	-
88	OHX	6	2104	-	0,6,6	-	-	-	-	-
88	OHX	5	4101	-	0,6,6	-	-	-	-	-
88	OHX	5	3979	-	0,6,6	-	-	-	-	-
88	OHX	6	2168	-	0,6,6	-	-	-	-	-
88	OHX	2	2010	-	0,6,6	-	-	-	-	-
88	OHX	1	3954	-	0,6,6	-	-	-	-	-
88	OHX	6	2107	-	0,6,6	-	-	-	-	-
88	OHX	1	4062	-	0,6,6	-	-	-	-	-
88	OHX	5	3982	-	0,6,6	-	-	-	-	-
88	OHX	5	4069	-	0,6,6	-	-	-	-	-
88	OHX	5	4001	-	0,6,6	-	-	-	-	-
88	OHX	6	2102	-	0,6,6	-	-	-	-	-
88	OHX	6	2024	-	0,6,6	-	-	-	-	-
88	OHX	1	3885	-	0,6,6	-	-	-	-	-
88	OHX	L3	404	-	0,6,6	-	-	-	-	-
88	OHX	O7	105	73	0,6,6	-	-	-	-	-
88	OHX	1	3846	-	0,6,6	-	-	-	-	-
88	OHX	5	3912	-	0,6,6	-	-	-	-	-
88	OHX	1	3999	-	0,6,6	-	-	-	-	-
88	OHX	5	4016	-	0,6,6	-	-	-	-	-
88	OHX	1	3993	-	0,6,6	-	-	-	-	-
88	OHX	1	3799	-	0,6,6	-	-	-	-	-
88	OHX	5	4085	-	0,6,6	-	-	-	-	-
88	OHX	1	4007	-	0,6,6	-	-	-	-	-
88	OHX	1	3959	-	0,6,6	-	-	-	-	-
88	OHX	6	2179	-	0,6,6	-	-	-	-	-
88	OHX	5	4052	-	0,6,6	-	-	-	-	-
88	OHX	2	2139	-	0,6,6	-	-	-	-	-
88	OHX	6	2044	-	0,6,6	-	-	-	-	-
88	OHX	2	2086	-	0,6,6	-	-	-	-	-
88	OHX	5	3956	-	0,6,6	-	-	-	-	-
88	OHX	5	3955	-	0,6,6	-	-	-	-	-
88	OHX	1	4037	-	0,6,6	-	-	-	-	-
88	OHX	6	2025	-	0,6,6	-	-	-	-	-
88	OHX	2	2043	-	0,6,6	-	-	-	-	-
88	OHX	2	2037	-	0,6,6	-	-	-	-	-
88	OHX	6	2169	-	0,6,6	-	-	-	-	-
88	OHX	1	3777	-	0,6,6	-	-	-	-	-
88	OHX	1	3964	-	0,6,6	-	-	-	-	-
88	OHX	4	230	-	0,6,6	-	-	-	-	-
88	OHX	5	4027	-	0,6,6	-	-	-	-	-
88	OHX	2	2026	-	0,6,6	-	-	-	-	-

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
88	OHX	5	4119	-	0,6,6	-	-	-	-	-
88	OHX	1	4040	-	0,6,6	-	-	-	-	-
88	OHX	2	2148	-	0,6,6	-	-	-	-	-
88	OHX	1	4097	-	0,6,6	-	-	-	-	-
88	OHX	5	3928	-	0,6,6	-	-	-	-	-
88	OHX	2	2145	-	0,6,6	-	-	-	-	-
88	OHX	2	2030	-	0,6,6	-	-	-	-	-
88	OHX	1	3779	-	0,6,6	-	-	-	-	-
88	OHX	2	2056	-	0,6,6	-	-	-	-	-
88	OHX	6	2070	-	0,6,6	-	-	-	-	-
88	OHX	5	3945	-	0,6,6	-	-	-	-	-
88	OHX	2	2016	-	0,6,6	-	-	-	-	-
88	OHX	1	3906	-	0,6,6	-	-	-	-	-
88	OHX	2	2065	-	0,6,6	-	-	-	-	-
88	OHX	1	3805	-	0,6,6	-	-	-	-	-
88	OHX	2	2055	-	0,6,6	-	-	-	-	-
88	OHX	5	3814	-	0,6,6	-	-	-	-	-
88	OHX	5	3856	-	0,6,6	-	-	-	-	-
88	OHX	2	2041	-	0,6,6	-	-	-	-	-
88	OHX	1	4036	-	0,6,6	-	-	-	-	-
88	OHX	2	2063	-	0,6,6	-	-	-	-	-
88	OHX	5	4063	-	0,6,6	-	-	-	-	-
88	OHX	5	3942	-	0,6,6	-	-	-	-	-
88	OHX	6	2145	-	0,6,6	-	-	-	-	-
88	OHX	1	3795	-	0,6,6	-	-	-	-	-
88	OHX	1	3960	-	0,6,6	-	-	-	-	-
88	OHX	5	3806	-	0,6,6	-	-	-	-	-
88	OHX	1	4046	-	0,6,6	-	-	-	-	-
88	OHX	6	2111	-	0,6,6	-	-	-	-	-
88	OHX	5	4054	-	0,6,6	-	-	-	-	-
88	OHX	1	3926	-	0,6,6	-	-	-	-	-
88	OHX	1	4106	-	0,6,6	-	-	-	-	-
88	OHX	6	2054	-	0,6,6	-	-	-	-	-
88	OHX	5	3967	-	0,6,6	-	-	-	-	-
88	OHX	5	3997	-	0,6,6	-	-	-	-	-
88	OHX	1	3917	-	0,6,6	-	-	-	-	-
88	OHX	1	3791	-	0,6,6	-	-	-	-	-
88	OHX	c3	201	-	0,6,6	-	-	-	-	-
88	OHX	5	4138	-	0,6,6	-	-	-	-	-
88	OHX	8	222	-	0,6,6	-	-	-	-	-
88	OHX	1	4096	-	0,6,6	-	-	-	-	-
88	OHX	1	4082	-	0,6,6	-	-	-	-	-
88	OHX	4	225	-	0,6,6	-	-	-	-	-

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
88	OHX	L5	301	-	0,6,6	-	-	-	-	-
88	OHX	1	4053	-	0,6,6	-	-	-	-	-
88	OHX	5	3951	-	0,6,6	-	-	-	-	-
88	OHX	1	3825	-	0,6,6	-	-	-	-	-
88	OHX	2	2057	-	0,6,6	-	-	-	-	-
88	OHX	1	3830	-	0,6,6	-	-	-	-	-
88	OHX	1	3839	-	0,6,6	-	-	-	-	-
88	OHX	5	4137	-	0,6,6	-	-	-	-	-
88	OHX	1	3853	-	0,6,6	-	-	-	-	-
88	OHX	19	201	-	0,6,6	-	-	-	-	-
88	OHX	1	3978	-	0,6,6	-	-	-	-	-
88	OHX	2	2061	-	0,6,6	-	-	-	-	-
88	OHX	1	3943	-	0,6,6	-	-	-	-	-
88	OHX	1	3856	-	0,6,6	-	-	-	-	-
88	OHX	6	2013	-	0,6,6	-	-	-	-	-
88	OHX	1	3759	-	0,6,6	-	-	-	-	-
88	OHX	5	3938	-	0,6,6	-	-	-	-	-
88	OHX	6	2113	-	0,6,6	-	-	-	-	-
88	OHX	5	3826	-	0,6,6	-	-	-	-	-
88	OHX	6	2051	-	0,6,6	-	-	-	-	-
88	OHX	5	3842	-	0,6,6	-	-	-	-	-
88	OHX	1	3974	-	0,6,6	-	-	-	-	-
88	OHX	1	4101	-	0,6,6	-	-	-	-	-
88	OHX	5	3935	-	0,6,6	-	-	-	-	-
88	OHX	5	4153	-	0,6,6	-	-	-	-	-
88	OHX	6	2132	-	0,6,6	-	-	-	-	-
88	OHX	2	2069	-	0,6,6	-	-	-	-	-
88	OHX	2	2131	-	0,6,6	-	-	-	-	-
88	OHX	5	4133	-	0,6,6	-	-	-	-	-
88	OHX	2	2094	-	0,6,6	-	-	-	-	-
88	OHX	2	2050	-	0,6,6	-	-	-	-	-
88	OHX	1	4094	-	0,6,6	-	-	-	-	-
88	OHX	1	4088	-	0,6,6	-	-	-	-	-
88	OHX	2	2108	-	0,6,6	-	-	-	-	-
88	OHX	5	3833	-	0,6,6	-	-	-	-	-
88	OHX	1	3834	-	0,6,6	-	-	-	-	-
88	OHX	1	3922	-	0,6,6	-	-	-	-	-
88	OHX	4	229	-	0,6,6	-	-	-	-	-
88	OHX	1	4021	-	0,6,6	-	-	-	-	-
88	OHX	2	2149	-	0,6,6	-	-	-	-	-
88	OHX	5	3877	-	0,6,6	-	-	-	-	-
88	OHX	2	2095	-	0,6,6	-	-	-	-	-
88	OHX	5	3924	-	0,6,6	-	-	-	-	-

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
88	OHX	5	4062	-	0,6,6	-	-	-	-	-
88	OHX	5	4084	-	0,6,6	-	-	-	-	-
88	OHX	1	3908	-	0,6,6	-	-	-	-	-
88	OHX	5	4105	-	0,6,6	-	-	-	-	-
88	OHX	2	2009	-	0,6,6	-	-	-	-	-
88	OHX	1	4070	-	0,6,6	-	-	-	-	-
88	OHX	6	2017	-	0,6,6	-	-	-	-	-
88	OHX	5	3807	-	0,6,6	-	-	-	-	-
88	OHX	2	1999	-	0,6,6	-	-	-	-	-
88	OHX	1	3988	-	0,6,6	-	-	-	-	-
88	OHX	6	2052	-	0,6,6	-	-	-	-	-
88	OHX	5	4077	-	0,6,6	-	-	-	-	-
88	OHX	1	4104	-	0,6,6	-	-	-	-	-
88	OHX	1	4015	-	0,6,6	-	-	-	-	-
88	OHX	5	3908	-	0,6,6	-	-	-	-	-
88	OHX	6	2149	-	0,6,6	-	-	-	-	-
88	OHX	6	2161	-	0,6,6	-	-	-	-	-
88	OHX	5	4127	-	0,6,6	-	-	-	-	-
88	OHX	5	3922	-	0,6,6	-	-	-	-	-
88	OHX	1	3939	-	0,6,6	-	-	-	-	-
88	OHX	6	2146	-	0,6,6	-	-	-	-	-
88	OHX	2	2052	-	0,6,6	-	-	-	-	-
88	OHX	6	2084	-	0,6,6	-	-	-	-	-
88	OHX	5	3887	-	0,6,6	-	-	-	-	-
88	OHX	6	2148	-	0,6,6	-	-	-	-	-
88	OHX	1	3842	-	0,6,6	-	-	-	-	-
88	OHX	1	4027	-	0,6,6	-	-	-	-	-
88	OHX	5	3983	-	0,6,6	-	-	-	-	-
88	OHX	m5	301	-	0,6,6	-	-	-	-	-
88	OHX	1	4072	-	0,6,6	-	-	-	-	-
88	OHX	6	2042	-	0,6,6	-	-	-	-	-
88	OHX	6	2160	-	0,6,6	-	-	-	-	-
88	OHX	1	4004	-	0,6,6	-	-	-	-	-
88	OHX	1	3953	-	0,6,6	-	-	-	-	-
88	OHX	2	2059	-	0,6,6	-	-	-	-	-
88	OHX	5	3838	-	0,6,6	-	-	-	-	-
88	OHX	5	3864	-	0,6,6	-	-	-	-	-
88	OHX	8	213	-	0,6,6	-	-	-	-	-
88	OHX	1	4073	-	0,6,6	-	-	-	-	-
88	OHX	1	3833	-	0,6,6	-	-	-	-	-
88	OHX	1	3931	-	0,6,6	-	-	-	-	-
88	OHX	1	3958	-	0,6,6	-	-	-	-	-
88	OHX	5	4117	-	0,6,6	-	-	-	-	-

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
88	OHX	7	227	-	0,6,6	-	-	-	-	-
88	OHX	5	3959	-	0,6,6	-	-	-	-	-
88	OHX	1	3761	-	0,6,6	-	-	-	-	-
88	OHX	SR	401	-	0,6,6	-	-	-	-	-
88	OHX	6	2153	-	0,6,6	-	-	-	-	-
88	OHX	5	3933	-	0,6,6	-	-	-	-	-
88	OHX	1	3921	-	0,6,6	-	-	-	-	-
88	OHX	6	2098	-	0,6,6	-	-	-	-	-
88	OHX	2	2034	-	0,6,6	-	-	-	-	-
88	OHX	5	4095	-	0,6,6	-	-	-	-	-
88	OHX	1	4030	-	0,6,6	-	-	-	-	-
88	OHX	5	4091	-	0,6,6	-	-	-	-	-
88	OHX	2	2091	-	0,6,6	-	-	-	-	-
88	OHX	4	234	-	0,6,6	-	-	-	-	-
88	OHX	5	3881	-	0,6,6	-	-	-	-	-
88	OHX	2	2132	-	0,6,6	-	-	-	-	-
88	OHX	2	2064	-	0,6,6	-	-	-	-	-
88	OHX	5	3820	-	0,6,6	-	-	-	-	-
88	OHX	5	3895	-	0,6,6	-	-	-	-	-
88	OHX	5	3905	-	0,6,6	-	-	-	-	-
88	OHX	6	2139	-	0,6,6	-	-	-	-	-
88	OHX	5	4045	-	0,6,6	-	-	-	-	-
88	OHX	8	223	-	0,6,6	-	-	-	-	-
88	OHX	5	3968	-	0,6,6	-	-	-	-	-
88	OHX	C8	201	-	0,6,6	-	-	-	-	-
88	OHX	n6	202	-	0,6,6	-	-	-	-	-
88	OHX	5	3937	-	0,6,6	-	-	-	-	-
88	OHX	1	3757	-	0,6,6	-	-	-	-	-
88	OHX	5	3916	-	0,6,6	-	-	-	-	-
88	OHX	5	4040	-	0,6,6	-	-	-	-	-
88	OHX	1	3789	-	0,6,6	-	-	-	-	-
88	OHX	5	3862	-	0,6,6	-	-	-	-	-
88	OHX	C1	201	-	0,6,6	-	-	-	-	-
88	OHX	6	2150	-	0,6,6	-	-	-	-	-
88	OHX	5	4007	-	0,6,6	-	-	-	-	-
88	OHX	5	4116	-	0,6,6	-	-	-	-	-
88	OHX	6	2156	-	0,6,6	-	-	-	-	-
88	OHX	1	3944	-	0,6,6	-	-	-	-	-
88	OHX	s1	301	-	0,6,6	-	-	-	-	-
88	OHX	6	2162	-	0,6,6	-	-	-	-	-
88	OHX	1	3979	-	0,6,6	-	-	-	-	-
88	OHX	5	3795	-	0,6,6	-	-	-	-	-
88	OHX	5	3830	-	0,6,6	-	-	-	-	-

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
88	OHX	5	3960	-	0,6,6	-	-	-	-	-
88	OHX	5	4112	-	0,6,6	-	-	-	-	-
88	OHX	5	4120	-	0,6,6	-	-	-	-	-
88	OHX	1	3966	-	0,6,6	-	-	-	-	-
88	OHX	5	3809	-	0,6,6	-	-	-	-	-
88	OHX	2	2147	-	0,6,6	-	-	-	-	-
88	OHX	1	3822	-	0,6,6	-	-	-	-	-
88	OHX	6	2060	-	0,6,6	-	-	-	-	-
88	OHX	5	3821	-	0,6,6	-	-	-	-	-
88	OHX	5	3832	-	0,6,6	-	-	-	-	-
88	OHX	5	4020	-	0,6,6	-	-	-	-	-
88	OHX	1	3947	-	0,6,6	-	-	-	-	-
88	OHX	8	214	-	0,6,6	-	-	-	-	-
88	OHX	1	3774	-	0,6,6	-	-	-	-	-
88	OHX	8	231	-	0,6,6	-	-	-	-	-
88	OHX	1	3818	-	0,6,6	-	-	-	-	-
88	OHX	5	4149	-	0,6,6	-	-	-	-	-
88	OHX	1	4000	-	0,6,6	-	-	-	-	-
88	OHX	6	2018	-	0,6,6	-	-	-	-	-
88	OHX	2	2134	-	0,6,6	-	-	-	-	-
88	OHX	6	2158	-	0,6,6	-	-	-	-	-
88	OHX	1	3817	-	0,6,6	-	-	-	-	-
88	OHX	1	3938	-	0,6,6	-	-	-	-	-
88	OHX	1	3996	-	0,6,6	-	-	-	-	-
88	OHX	6	2064	-	0,6,6	-	-	-	-	-
88	OHX	7	218	-	0,6,6	-	-	-	-	-
88	OHX	8	219	-	0,6,6	-	-	-	-	-
88	OHX	2	2130	-	0,6,6	-	-	-	-	-
88	OHX	1	3907	-	0,6,6	-	-	-	-	-
88	OHX	1	3866	-	0,6,6	-	-	-	-	-
88	OHX	6	2057	-	0,6,6	-	-	-	-	-
88	OHX	4	222	-	0,6,6	-	-	-	-	-
88	OHX	6	2066	-	0,6,6	-	-	-	-	-
88	OHX	1	4056	-	0,6,6	-	-	-	-	-
88	OHX	1	4086	-	0,6,6	-	-	-	-	-
88	OHX	5	4061	-	0,6,6	-	-	-	-	-
88	OHX	5	3844	-	0,6,6	-	-	-	-	-
88	OHX	5	4159	-	0,6,6	-	-	-	-	-
88	OHX	M8	202	-	0,6,6	-	-	-	-	-
88	OHX	5	3954	-	0,6,6	-	-	-	-	-
88	OHX	1	4006	-	0,6,6	-	-	-	-	-
88	OHX	5	3918	-	0,6,6	-	-	-	-	-
88	OHX	5	3923	-	0,6,6	-	-	-	-	-

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
88	OHX	5	4068	36	0,6,6	-	-	-	-	-
88	OHX	1	3892	-	0,6,6	-	-	-	-	-
88	OHX	5	3911	-	0,6,6	-	-	-	-	-
88	OHX	5	4015	-	0,6,6	-	-	-	-	-
88	OHX	c8	201	-	0,6,6	-	-	-	-	-
88	OHX	6	2091	-	0,6,6	-	-	-	-	-
88	OHX	5	3885	-	0,6,6	-	-	-	-	-
88	OHX	5	3893	-	0,6,6	-	-	-	-	-
88	OHX	2	2045	-	0,6,6	-	-	-	-	-
88	OHX	1	3984	-	0,6,6	-	-	-	-	-
88	OHX	1	4075	-	0,6,6	-	-	-	-	-
88	OHX	5	3816	-	0,6,6	-	-	-	-	-
88	OHX	6	2165	-	0,6,6	-	-	-	-	-
88	OHX	5	4088	-	0,6,6	-	-	-	-	-
88	OHX	7	226	-	0,6,6	-	-	-	-	-
88	OHX	5	3886	-	0,6,6	-	-	-	-	-
88	OHX	2	2113	-	0,6,6	-	-	-	-	-
88	OHX	1	3863	-	0,6,6	-	-	-	-	-
88	OHX	1	3945	-	0,6,6	-	-	-	-	-
88	OHX	6	2173	-	0,6,6	-	-	-	-	-
88	OHX	2	2097	-	0,6,6	-	-	-	-	-
88	OHX	5	3834	-	0,6,6	-	-	-	-	-
88	OHX	5	4041	-	0,6,6	-	-	-	-	-
88	OHX	5	3861	-	0,6,6	-	-	-	-	-
88	OHX	5	4156	-	0,6,6	-	-	-	-	-
88	OHX	o7	502	-	0,6,6	-	-	-	-	-
88	OHX	6	2021	-	0,6,6	-	-	-	-	-
88	OHX	2	2100	-	0,6,6	-	-	-	-	-
88	OHX	2	2096	-	0,6,6	-	-	-	-	-
88	OHX	5	3929	-	0,6,6	-	-	-	-	-
88	OHX	1	3860	-	0,6,6	-	-	-	-	-
88	OHX	5	4018	-	0,6,6	-	-	-	-	-
88	OHX	1	3889	-	0,6,6	-	-	-	-	-
88	OHX	5	3988	-	0,6,6	-	-	-	-	-
88	OHX	6	2154	-	0,6,6	-	-	-	-	-
88	OHX	l5	303	-	0,6,6	-	-	-	-	-
88	OHX	5	4033	-	0,6,6	-	-	-	-	-
88	OHX	5	4026	-	0,6,6	-	-	-	-	-
88	OHX	5	4012	-	0,6,6	-	-	-	-	-
88	OHX	1	3957	-	0,6,6	-	-	-	-	-
88	OHX	2	2025	-	0,6,6	-	-	-	-	-
88	OHX	1	3819	-	0,6,6	-	-	-	-	-
88	OHX	6	2131	-	0,6,6	-	-	-	-	-

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
88	OHX	2	2093	-	0,6,6	-	-	-	-	-
88	OHX	1	3859	-	0,6,6	-	-	-	-	-
88	OHX	6	2030	-	0,6,6	-	-	-	-	-
88	OHX	6	2094	-	0,6,6	-	-	-	-	-
88	OHX	1	4099	-	0,6,6	-	-	-	-	-
88	OHX	2	2081	-	0,6,6	-	-	-	-	-
88	OHX	5	4011	-	0,6,6	-	-	-	-	-
88	OHX	5	4024	-	0,6,6	-	-	-	-	-
88	OHX	5	4004	-	0,6,6	-	-	-	-	-
88	OHX	5	4139	-	0,6,6	-	-	-	-	-
88	OHX	6	2185	-	0,6,6	-	-	-	-	-
88	OHX	5	4107	-	0,6,6	-	-	-	-	-
88	OHX	5	3837	-	0,6,6	-	-	-	-	-
88	OHX	1	3880	-	0,6,6	-	-	-	-	-
88	OHX	6	2167	-	0,6,6	-	-	-	-	-
88	OHX	5	3810	-	0,6,6	-	-	-	-	-
88	OHX	1	4102	-	0,6,6	-	-	-	-	-
88	OHX	6	2058	-	0,6,6	-	-	-	-	-
88	OHX	6	2114	-	0,6,6	-	-	-	-	-
88	OHX	5	3843	-	0,6,6	-	-	-	-	-
88	OHX	5	4132	-	0,6,6	-	-	-	-	-
88	OHX	5	4140	-	0,6,6	-	-	-	-	-
88	OHX	5	3906	-	0,6,6	-	-	-	-	-
88	OHX	1	3810	-	0,6,6	-	-	-	-	-
88	OHX	5	4064	-	0,6,6	-	-	-	-	-
88	OHX	5	3824	-	0,6,6	-	-	-	-	-
88	OHX	2	2078	-	0,6,6	-	-	-	-	-
88	OHX	2	2117	-	0,6,6	-	-	-	-	-
88	OHX	5	3890	-	0,6,6	-	-	-	-	-
88	OHX	5	3914	-	0,6,6	-	-	-	-	-
88	OHX	5	4048	-	0,6,6	-	-	-	-	-
88	OHX	8	228	-	0,6,6	-	-	-	-	-
88	OHX	1	3919	-	0,6,6	-	-	-	-	-
88	OHX	1	3901	-	0,6,6	-	-	-	-	-
88	OHX	5	3987	-	0,6,6	-	-	-	-	-
88	OHX	2	2127	-	0,6,6	-	-	-	-	-
88	OHX	1	3808	-	0,6,6	-	-	-	-	-
88	OHX	1	4059	-	0,6,6	-	-	-	-	-
88	OHX	1	3891	-	0,6,6	-	-	-	-	-
88	OHX	5	4074	-	0,6,6	-	-	-	-	-
88	OHX	1	3785	-	0,6,6	-	-	-	-	-
88	OHX	2	2112	-	0,6,6	-	-	-	-	-
88	OHX	1	4050	-	0,6,6	-	-	-	-	-

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
88	OHX	1	3925	-	0,6,6	-	-	-	-	-
88	OHX	8	224	-	0,6,6	-	-	-	-	-
88	OHX	5	3947	-	0,6,6	-	-	-	-	-
88	OHX	1	4080	-	0,6,6	-	-	-	-	-
88	OHX	1	3963	-	0,6,6	-	-	-	-	-
88	OHX	6	2101	-	0,6,6	-	-	-	-	-
88	OHX	6	2181	-	0,6,6	-	-	-	-	-
88	OHX	1	3869	-	0,6,6	-	-	-	-	-
88	OHX	5	4135	-	0,6,6	-	-	-	-	-
88	OHX	5	4154	-	0,6,6	-	-	-	-	-
88	OHX	3	209	-	0,6,6	-	-	-	-	-
88	OHX	2	2104	-	0,6,6	-	-	-	-	-
88	OHX	1	3878	-	0,6,6	-	-	-	-	-
88	OHX	2	2044	-	0,6,6	-	-	-	-	-
88	OHX	4	223	-	0,6,6	-	-	-	-	-
88	OHX	5	4029	-	0,6,6	-	-	-	-	-
88	OHX	6	2152	-	0,6,6	-	-	-	-	-
88	OHX	5	3993	-	0,6,6	-	-	-	-	-
88	OHX	n3	202	-	0,6,6	-	-	-	-	-
88	OHX	5	3953	-	0,6,6	-	-	-	-	-
88	OHX	3	219	-	0,6,6	-	-	-	-	-
88	OHX	5	3871	-	0,6,6	-	-	-	-	-
88	OHX	1	3857	-	0,6,6	-	-	-	-	-
88	OHX	6	2022	-	0,6,6	-	-	-	-	-
88	OHX	1	3821	-	0,6,6	-	-	-	-	-
88	OHX	5	3969	-	0,6,6	-	-	-	-	-
88	OHX	2	2151	-	0,6,6	-	-	-	-	-
88	OHX	1	4025	-	0,6,6	-	-	-	-	-
88	OHX	m9	201	-	0,6,6	-	-	-	-	-
88	OHX	2	2003	-	0,6,6	-	-	-	-	-
88	OHX	1	3813	-	0,6,6	-	-	-	-	-
88	OHX	5	4125	-	0,6,6	-	-	-	-	-
88	OHX	6	2020	-	0,6,6	-	-	-	-	-
88	OHX	5	3819	-	0,6,6	-	-	-	-	-
88	OHX	5	3896	-	0,6,6	-	-	-	-	-
88	OHX	5	3909	-	0,6,6	-	-	-	-	-
88	OHX	1	4063	-	0,6,6	-	-	-	-	-
88	OHX	6	2178	-	0,6,6	-	-	-	-	-
88	OHX	5	3892	-	0,6,6	-	-	-	-	-
88	OHX	1	4017	-	0,6,6	-	-	-	-	-
88	OHX	4	221	-	0,6,6	-	-	-	-	-
88	OHX	5	4037	-	0,6,6	-	-	-	-	-
88	OHX	1	3894	-	0,6,6	-	-	-	-	-

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
88	OHX	5	3872	-	0,6,6	-	-	-	-	-
88	OHX	5	4066	-	0,6,6	-	-	-	-	-
88	OHX	5	4111	-	0,6,6	-	-	-	-	-
88	OHX	13	404	-	0,6,6	-	-	-	-	-
88	OHX	5	4079	-	0,6,6	-	-	-	-	-
88	OHX	2	2051	-	0,6,6	-	-	-	-	-
88	OHX	6	2065	-	0,6,6	-	-	-	-	-
88	OHX	6	2015	-	0,6,6	-	-	-	-	-
88	OHX	5	3823	-	0,6,6	-	-	-	-	-
88	OHX	6	2128	-	0,6,6	-	-	-	-	-
88	OHX	5	4086	-	0,6,6	-	-	-	-	-
88	OHX	6	2130	-	0,6,6	-	-	-	-	-
88	OHX	5	3854	-	0,6,6	-	-	-	-	-
88	OHX	6	2175	-	0,6,6	-	-	-	-	-
88	OHX	1	3763	-	0,6,6	-	-	-	-	-
88	OHX	6	2100	-	0,6,6	-	-	-	-	-
88	OHX	6	2123	-	0,6,6	-	-	-	-	-
88	OHX	6	2177	-	0,6,6	-	-	-	-	-
88	OHX	2	2099	-	0,6,6	-	-	-	-	-
88	OHX	6	2033	-	0,6,6	-	-	-	-	-
88	OHX	2	1998	-	0,6,6	-	-	-	-	-
88	OHX	1	3933	-	0,6,6	-	-	-	-	-
88	OHX	5	4006	-	0,6,6	-	-	-	-	-
88	OHX	1	4057	-	0,6,6	-	-	-	-	-
88	OHX	5	4092	-	0,6,6	-	-	-	-	-
88	OHX	O9	101	-	0,6,6	-	-	-	-	-
88	OHX	2	2124	-	0,6,6	-	-	-	-	-
88	OHX	5	4081	-	0,6,6	-	-	-	-	-
88	OHX	5	4123	-	0,6,6	-	-	-	-	-
88	OHX	5	3950	-	0,6,6	-	-	-	-	-
88	OHX	5	4075	-	0,6,6	-	-	-	-	-
88	OHX	5	3805	-	0,6,6	-	-	-	-	-
88	OHX	1	4068	-	0,6,6	-	-	-	-	-
88	OHX	2	2058	-	0,6,6	-	-	-	-	-
88	OHX	1	3758	-	0,6,6	-	-	-	-	-
88	OHX	5	4057	-	0,6,6	-	-	-	-	-
88	OHX	2	2031	-	0,6,6	-	-	-	-	-
88	OHX	6	2093	-	0,6,6	-	-	-	-	-
88	OHX	2	2077	-	0,6,6	-	-	-	-	-
88	OHX	2	2006	-	0,6,6	-	-	-	-	-
88	OHX	1	4045	-	0,6,6	-	-	-	-	-
88	OHX	1	3980	-	0,6,6	-	-	-	-	-
88	OHX	s4	301	-	0,6,6	-	-	-	-	-

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
88	OHX	5	3966	-	0,6,6	-	-	-	-	-
88	OHX	m0	303	-	0,6,6	-	-	-	-	-
88	OHX	1	3762	-	0,6,6	-	-	-	-	-
88	OHX	6	2078	-	0,6,6	-	-	-	-	-
88	OHX	1	4033	-	0,6,6	-	-	-	-	-
88	OHX	1	3935	-	0,6,6	-	-	-	-	-
88	OHX	6	2124	-	0,6,6	-	-	-	-	-
88	OHX	5	3822	-	0,6,6	-	-	-	-	-
88	OHX	5	3868	-	0,6,6	-	-	-	-	-
88	OHX	5	3949	-	0,6,6	-	-	-	-	-
88	OHX	5	4046	-	0,6,6	-	-	-	-	-
88	OHX	1	3934	-	0,6,6	-	-	-	-	-
88	OHX	1	3849	-	0,6,6	-	-	-	-	-
88	OHX	1	4005	-	0,6,6	-	-	-	-	-
88	OHX	1	3783	-	0,6,6	-	-	-	-	-
88	OHX	6	2129	-	0,6,6	-	-	-	-	-
88	OHX	5	4078	-	0,6,6	-	-	-	-	-
88	OHX	1	3760	-	0,6,6	-	-	-	-	-
88	OHX	3	210	-	0,6,6	-	-	-	-	-
88	OHX	1	3769	-	0,6,6	-	-	-	-	-
88	OHX	5	4059	-	0,6,6	-	-	-	-	-
88	OHX	5	4083	-	0,6,6	-	-	-	-	-
88	OHX	6	2170	-	0,6,6	-	-	-	-	-
88	OHX	5	4144	-	0,6,6	-	-	-	-	-
88	OHX	1	3770	-	0,6,6	-	-	-	-	-
88	OHX	7	219	-	0,6,6	-	-	-	-	-
88	OHX	1	3877	-	0,6,6	-	-	-	-	-
88	OHX	5	3849	-	0,6,6	-	-	-	-	-
88	OHX	1	4018	-	0,6,6	-	-	-	-	-
88	OHX	5	4060	-	0,6,6	-	-	-	-	-
88	OHX	5	4072	-	0,6,6	-	-	-	-	-
88	OHX	5	3859	-	0,6,6	-	-	-	-	-
88	OHX	N8	205	-	0,6,6	-	-	-	-	-
88	OHX	1	4023	-	0,6,6	-	-	-	-	-
88	OHX	6	2027	-	0,6,6	-	-	-	-	-
88	OHX	2	2102	1	0,6,6	-	-	-	-	-
88	OHX	1	3875	-	0,6,6	-	-	-	-	-
88	OHX	2	2004	-	0,6,6	-	-	-	-	-
88	OHX	1	3876	-	0,6,6	-	-	-	-	-
88	OHX	O3	203	-	0,6,6	-	-	-	-	-
88	OHX	6	2038	-	0,6,6	-	-	-	-	-
88	OHX	6	2112	-	0,6,6	-	-	-	-	-
88	OHX	5	3883	-	0,6,6	-	-	-	-	-

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
88	OHX	5	3976	-	0,6,6	-	-	-	-	-
88	OHX	5	4142	-	0,6,6	-	-	-	-	-
88	OHX	5	4152	-	0,6,6	-	-	-	-	-
88	OHX	1	3887	-	0,6,6	-	-	-	-	-
88	OHX	n9	103	-	0,6,6	-	-	-	-	-
88	OHX	2	2107	-	0,6,6	-	-	-	-	-
88	OHX	1	3858	-	0,6,6	-	-	-	-	-
88	OHX	4	227	-	0,6,6	-	-	-	-	-
88	OHX	1	3884	-	0,6,6	-	-	-	-	-
88	OHX	1	3790	-	0,6,6	-	-	-	-	-
88	OHX	1	3949	-	0,6,6	-	-	-	-	-
88	OHX	6	2095	-	0,6,6	-	-	-	-	-
88	OHX	6	2108	-	0,6,6	-	-	-	-	-
88	OHX	5	3940	-	0,6,6	-	-	-	-	-
88	OHX	1	3973	-	0,6,6	-	-	-	-	-
88	OHX	1	3838	-	0,6,6	-	-	-	-	-
88	OHX	5	3972	-	0,6,6	-	-	-	-	-
88	OHX	1	3767	-	0,6,6	-	-	-	-	-
88	OHX	5	4021	-	0,6,6	-	-	-	-	-
88	OHX	6	2117	-	0,6,6	-	-	-	-	-
88	OHX	5	3841	-	0,6,6	-	-	-	-	-
88	OHX	6	2110	-	0,6,6	-	-	-	-	-
88	OHX	3	214	-	0,6,6	-	-	-	-	-
88	OHX	5	4050	-	0,6,6	-	-	-	-	-
88	OHX	6	2180	-	0,6,6	-	-	-	-	-
88	OHX	4	226	-	0,6,6	-	-	-	-	-
88	OHX	3	215	-	0,6,6	-	-	-	-	-
88	OHX	5	4126	36	0,6,6	-	-	-	-	-
88	OHX	6	2106	-	0,6,6	-	-	-	-	-
88	OHX	1	4041	-	0,6,6	-	-	-	-	-
88	OHX	1	3836	-	0,6,6	-	-	-	-	-
88	OHX	M7	205	-	0,6,6	-	-	-	-	-
88	OHX	1	3883	-	0,6,6	-	-	-	-	-
88	OHX	1	4083	-	0,6,6	-	-	-	-	-
88	OHX	6	2073	-	0,6,6	-	-	-	-	-
88	OHX	1	3895	-	0,6,6	-	-	-	-	-
88	OHX	1	3776	-	0,6,6	-	-	-	-	-
88	OHX	1	4105	-	0,6,6	-	-	-	-	-
88	OHX	5	4124	-	0,6,6	-	-	-	-	-
88	OHX	6	2142	-	0,6,6	-	-	-	-	-
88	OHX	5	3866	-	0,6,6	-	-	-	-	-
88	OHX	4	228	-	0,6,6	-	-	-	-	-
88	OHX	1	3940	-	0,6,6	-	-	-	-	-

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
88	OHX	1	3771	-	0,6,6	-	-	-	-	-
88	OHX	5	3932	-	0,6,6	-	-	-	-	-
88	OHX	1	4032	-	0,6,6	-	-	-	-	-
88	OHX	5	4110	-	0,6,6	-	-	-	-	-
88	OHX	2	1995	-	0,6,6	-	-	-	-	-
88	OHX	1	4009	-	0,6,6	-	-	-	-	-
88	OHX	6	2126	-	0,6,6	-	-	-	-	-
88	OHX	6	2133	-	0,6,6	-	-	-	-	-
88	OHX	1	3780	-	0,6,6	-	-	-	-	-
88	OHX	s8	302	-	0,6,6	-	-	-	-	-
88	OHX	5	3829	-	0,6,6	-	-	-	-	-
88	OHX	5	3904	-	0,6,6	-	-	-	-	-
88	OHX	1	4058	-	0,6,6	-	-	-	-	-
88	OHX	5	3984	-	0,6,6	-	-	-	-	-
88	OHX	5	3846	-	0,6,6	-	-	-	-	-
88	OHX	1	4107	-	0,6,6	-	-	-	-	-
88	OHX	6	2077	-	0,6,6	-	-	-	-	-
88	OHX	5	4025	-	0,6,6	-	-	-	-	-
88	OHX	5	4035	-	0,6,6	-	-	-	-	-
88	OHX	1	3971	-	0,6,6	-	-	-	-	-
88	OHX	1	3843	-	0,6,6	-	-	-	-	-
88	OHX	2	2002	-	0,6,6	-	-	-	-	-
88	OHX	1	3965	-	0,6,6	-	-	-	-	-
88	OHX	1	3985	-	0,6,6	-	-	-	-	-
88	OHX	6	2083	-	0,6,6	-	-	-	-	-
88	OHX	5	3808	-	0,6,6	-	-	-	-	-
88	OHX	1	3786	-	0,6,6	-	-	-	-	-
88	OHX	5	3975	-	0,6,6	-	-	-	-	-
88	OHX	1	4039	-	0,6,6	-	-	-	-	-
88	OHX	2	2141	-	0,6,6	-	-	-	-	-
88	OHX	6	2183	-	0,6,6	-	-	-	-	-
88	OHX	6	2028	-	0,6,6	-	-	-	-	-
88	OHX	2	2012	-	0,6,6	-	-	-	-	-
88	OHX	2	2067	-	0,6,6	-	-	-	-	-
88	OHX	8	221	-	0,6,6	-	-	-	-	-
88	OHX	6	2136	-	0,6,6	-	-	-	-	-
88	OHX	6	2135	-	0,6,6	-	-	-	-	-
88	OHX	2	2007	-	0,6,6	-	-	-	-	-
88	OHX	2	2054	-	0,6,6	-	-	-	-	-
88	OHX	1	4019	-	0,6,6	-	-	-	-	-
88	OHX	1	3950	-	0,6,6	-	-	-	-	-
88	OHX	2	2092	-	0,6,6	-	-	-	-	-
88	OHX	1	3970	-	0,6,6	-	-	-	-	-

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
88	OHX	1	3918	-	0,6,6	-	-	-	-	-
88	OHX	1	3923	-	0,6,6	-	-	-	-	-
88	OHX	6	2014	-	0,6,6	-	-	-	-	-
88	OHX	5	3980	-	0,6,6	-	-	-	-	-
88	OHX	8	226	-	0,6,6	-	-	-	-	-
88	OHX	4	233	-	0,6,6	-	-	-	-	-
88	OHX	M5	301	-	0,6,6	-	-	-	-	-
88	OHX	5	4055	-	0,6,6	-	-	-	-	-
88	OHX	1	3987	-	0,6,6	-	-	-	-	-
88	OHX	6	2122	-	0,6,6	-	-	-	-	-
88	OHX	5	4145	-	0,6,6	-	-	-	-	-
88	OHX	1	4095	-	0,6,6	-	-	-	-	-
88	OHX	1	3816	-	0,6,6	-	-	-	-	-
88	OHX	1	4014	-	0,6,6	-	-	-	-	-
88	OHX	5	4042	-	0,6,6	-	-	-	-	-
88	OHX	8	232	-	0,6,6	-	-	-	-	-
88	OHX	2	2125	-	0,6,6	-	-	-	-	-
88	OHX	2	2122	-	0,6,6	-	-	-	-	-
88	OHX	l3	403	-	0,6,6	-	-	-	-	-
88	OHX	c5	800	-	0,6,6	-	-	-	-	-
88	OHX	1	3793	-	0,6,6	-	-	-	-	-
88	OHX	1	3915	-	0,6,6	-	-	-	-	-
88	OHX	1	4024	-	0,6,6	-	-	-	-	-
88	OHX	1	3932	-	0,6,6	-	-	-	-	-
88	OHX	5	4070	-	0,6,6	-	-	-	-	-
88	OHX	5	4022	-	0,6,6	-	-	-	-	-
88	OHX	l5	302	-	0,6,6	-	-	-	-	-
88	OHX	1	3937	-	0,6,6	-	-	-	-	-
88	OHX	1	4078	-	0,6,6	-	-	-	-	-
88	OHX	2	2106	-	0,6,6	-	-	-	-	-
88	OHX	5	3934	-	0,6,6	-	-	-	-	-
88	OHX	6	2147	-	0,6,6	-	-	-	-	-
88	OHX	5	3973	-	0,6,6	-	-	-	-	-
88	OHX	1	3929	-	0,6,6	-	-	-	-	-
88	OHX	L4	401	-	0,6,6	-	-	-	-	-
88	OHX	5	3875	-	0,6,6	-	-	-	-	-
88	OHX	1	3962	-	0,6,6	-	-	-	-	-
88	OHX	5	3919	-	0,6,6	-	-	-	-	-
88	OHX	5	4036	-	0,6,6	-	-	-	-	-
88	OHX	5	4096	-	0,6,6	-	-	-	-	-
88	OHX	5	3845	-	0,6,6	-	-	-	-	-
88	OHX	8	216	-	0,6,6	-	-	-	-	-
88	OHX	1	4012	-	0,6,6	-	-	-	-	-

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
88	OHX	1	3775	-	0,6,6	-	-	-	-	-
88	OHX	6	2082	-	0,6,6	-	-	-	-	-
88	OHX	5	3990	-	0,6,6	-	-	-	-	-
88	OHX	1	3832	-	0,6,6	-	-	-	-	-
88	OHX	5	3926	-	0,6,6	-	-	-	-	-
88	OHX	1	3800	-	0,6,6	-	-	-	-	-
88	OHX	5	3874	-	0,6,6	-	-	-	-	-
88	OHX	5	4150	-	0,6,6	-	-	-	-	-
88	OHX	5	4038	-	0,6,6	-	-	-	-	-
88	OHX	2	2076	-	0,6,6	-	-	-	-	-
88	OHX	2	2085	-	0,6,6	-	-	-	-	-
88	OHX	1	3975	-	0,6,6	-	-	-	-	-
88	OHX	6	2141	-	0,6,6	-	-	-	-	-
88	OHX	5	3948	-	0,6,6	-	-	-	-	-
88	OHX	1	4090	-	0,6,6	-	-	-	-	-
88	OHX	5	3999	-	0,6,6	-	-	-	-	-
88	OHX	5	3998	-	0,6,6	-	-	-	-	-
88	OHX	5	4009	-	0,6,6	-	-	-	-	-
88	OHX	5	4093	-	0,6,6	-	-	-	-	-
88	OHX	2	2048	-	0,6,6	-	-	-	-	-
88	OHX	1	3997	-	0,6,6	-	-	-	-	-
88	OHX	1	4003	-	0,6,6	-	-	-	-	-
88	OHX	S1	301	-	0,6,6	-	-	-	-	-
88	OHX	2	1997	-	0,6,6	-	-	-	-	-
88	OHX	6	2116	-	0,6,6	-	-	-	-	-
88	OHX	5	4076	-	0,6,6	-	-	-	-	-
88	OHX	1	4011	-	0,6,6	-	-	-	-	-
88	OHX	5	3925	-	0,6,6	-	-	-	-	-
88	OHX	5	4028	-	0,6,6	-	-	-	-	-
88	OHX	6	2137	-	0,6,6	-	-	-	-	-
88	OHX	5	3927	-	0,6,6	-	-	-	-	-
88	OHX	1	4048	-	0,6,6	-	-	-	-	-
88	OHX	M0	302	-	0,6,6	-	-	-	-	-
88	OHX	2	2066	-	0,6,6	-	-	-	-	-
88	OHX	5	3860	-	0,6,6	-	-	-	-	-
88	OHX	5	3889	-	0,6,6	-	-	-	-	-
88	OHX	3	212	-	0,6,6	-	-	-	-	-
88	OHX	5	3974	-	0,6,6	-	-	-	-	-
88	OHX	1	3977	-	0,6,6	-	-	-	-	-
88	OHX	m0	302	-	0,6,6	-	-	-	-	-
88	OHX	6	2176	-	0,6,6	-	-	-	-	-
88	OHX	1	4100	-	0,6,6	-	-	-	-	-
88	OHX	5	3857	-	0,6,6	-	-	-	-	-

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
88	OHX	2	2136	-	0,6,6	-	-	-	-	-
88	OHX	5	3800	-	0,6,6	-	-	-	-	-
88	OHX	1	3792	-	0,6,6	-	-	-	-	-
88	OHX	5	4099	-	0,6,6	-	-	-	-	-
88	OHX	1	4026	-	0,6,6	-	-	-	-	-
88	OHX	1	4066	-	0,6,6	-	-	-	-	-
88	OHX	2	2144	-	0,6,6	-	-	-	-	-
88	OHX	5	4147	-	0,6,6	-	-	-	-	-
88	OHX	5	4136	-	0,6,6	-	-	-	-	-
88	OHX	D9	103	-	0,6,6	-	-	-	-	-
88	OHX	1	3989	-	0,6,6	-	-	-	-	-
88	OHX	1	3851	-	0,6,6	-	-	-	-	-
88	OHX	1	4029	-	0,6,6	-	-	-	-	-
88	OHX	1	4035	-	0,6,6	-	-	-	-	-
88	OHX	6	2040	-	0,6,6	-	-	-	-	-
88	OHX	4	220	-	0,6,6	-	-	-	-	-
88	OHX	6	2061	-	0,6,6	-	-	-	-	-
88	OHX	1	3797	-	0,6,6	-	-	-	-	-
88	OHX	6	2105	-	0,6,6	-	-	-	-	-
88	OHX	5	4114	-	0,6,6	-	-	-	-	-
88	OHX	5	4134	-	0,6,6	-	-	-	-	-
88	OHX	6	2121	-	0,6,6	-	-	-	-	-
88	OHX	5	3910	-	0,6,6	-	-	-	-	-
88	OHX	m0	304	-	0,6,6	-	-	-	-	-
88	OHX	1	4034	-	0,6,6	-	-	-	-	-
88	OHX	1	3802	-	0,6,6	-	-	-	-	-
88	OHX	1	4001	-	0,6,6	-	-	-	-	-
88	OHX	1	4069	-	0,6,6	-	-	-	-	-
88	OHX	5	3891	-	0,6,6	-	-	-	-	-
88	OHX	1	3807	-	0,6,6	-	-	-	-	-
88	OHX	7	222	-	0,6,6	-	-	-	-	-
88	OHX	1	3872	-	0,6,6	-	-	-	-	-
88	OHX	3	211	-	0,6,6	-	-	-	-	-
88	OHX	6	2087	-	0,6,6	-	-	-	-	-
88	OHX	5	4141	-	0,6,6	-	-	-	-	-
88	OHX	1	3871	-	0,6,6	-	-	-	-	-
88	OHX	3	217	-	0,6,6	-	-	-	-	-
88	OHX	1	4098	-	0,6,6	-	-	-	-	-
88	OHX	2	2087	-	0,6,6	-	-	-	-	-
88	OHX	1	3806	-	0,6,6	-	-	-	-	-
88	OHX	1	3835	-	0,6,6	-	-	-	-	-
88	OHX	5	4090	-	0,6,6	-	-	-	-	-
88	OHX	2	2083	-	0,6,6	-	-	-	-	-

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
88	OHX	2	2115	-	0,6,6	-	-	-	-	-
88	OHX	1	3811	-	0,6,6	-	-	-	-	-
88	OHX	1	3831	-	0,6,6	-	-	-	-	-
88	OHX	6	2138	-	0,6,6	-	-	-	-	-
88	OHX	1	4052	-	0,6,6	-	-	-	-	-
88	OHX	2	2029	-	0,6,6	-	-	-	-	-
88	OHX	1	4091	-	0,6,6	-	-	-	-	-
88	OHX	2	2129	-	0,6,6	-	-	-	-	-
88	OHX	5	3958	-	0,6,6	-	-	-	-	-
88	OHX	2	2070	-	0,6,6	-	-	-	-	-
88	OHX	5	3962	-	0,6,6	-	-	-	-	-
88	OHX	5	3963	-	0,6,6	-	-	-	-	-
88	OHX	5	3840	-	0,6,6	-	-	-	-	-
88	OHX	5	3878	-	0,6,6	-	-	-	-	-
88	OHX	2	2138	-	0,6,6	-	-	-	-	-
88	OHX	5	3882	-	0,6,6	-	-	-	-	-
88	OHX	5	4065	-	0,6,6	-	-	-	-	-
88	OHX	7	223	-	0,6,6	-	-	-	-	-
88	OHX	2	2123	-	0,6,6	-	-	-	-	-
88	OHX	5	4129	-	0,6,6	-	-	-	-	-
88	OHX	2	2018	-	0,6,6	-	-	-	-	-
88	OHX	13	402	-	0,6,6	-	-	-	-	-
88	OHX	1	4081	-	0,6,6	-	-	-	-	-
88	OHX	5	3852	36	0,6,6	-	-	-	-	-
88	OHX	5	4030	-	0,6,6	-	-	-	-	-
88	OHX	1	4044	-	0,6,6	-	-	-	-	-
88	OHX	2	2062	-	0,6,6	-	-	-	-	-
88	OHX	1	4047	-	0,6,6	-	-	-	-	-
88	OHX	5	3815	-	0,6,6	-	-	-	-	-
88	OHX	5	4098	-	0,6,6	-	-	-	-	-
88	OHX	1	4008	-	0,6,6	-	-	-	-	-
88	OHX	5	3939	-	0,6,6	-	-	-	-	-
88	OHX	2	2116	-	0,6,6	-	-	-	-	-
88	OHX	5	3813	-	0,6,6	-	-	-	-	-
88	OHX	5	3915	-	0,6,6	-	-	-	-	-
88	OHX	2	2082	-	0,6,6	-	-	-	-	-
88	OHX	6	2074	-	0,6,6	-	-	-	-	-
88	OHX	4	232	-	0,6,6	-	-	-	-	-
88	OHX	O7	106	-	0,6,6	-	-	-	-	-
88	OHX	2	2140	-	0,6,6	-	-	-	-	-
88	OHX	5	3884	-	0,6,6	-	-	-	-	-
88	OHX	2	2001	-	0,6,6	-	-	-	-	-
88	OHX	5	4003	-	0,6,6	-	-	-	-	-

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
88	OHX	2	2033	-	0,6,6	-	-	-	-	-
88	OHX	2	2040	-	0,6,6	-	-	-	-	-
88	OHX	8	215	-	0,6,6	-	-	-	-	-
88	OHX	5	3811	-	0,6,6	-	-	-	-	-
88	OHX	5	3944	-	0,6,6	-	-	-	-	-
88	OHX	1	3828	-	0,6,6	-	-	-	-	-
88	OHX	1	3874	-	0,6,6	-	-	-	-	-
88	OHX	1	4093	-	0,6,6	-	-	-	-	-
88	OHX	2	2133	-	0,6,6	-	-	-	-	-
88	OHX	5	4043	-	0,6,6	-	-	-	-	-
88	OHX	1	3803	-	0,6,6	-	-	-	-	-
88	OHX	1	3882	-	0,6,6	-	-	-	-	-
88	OHX	1	3969	-	0,6,6	-	-	-	-	-
88	OHX	5	4067	-	0,6,6	-	-	-	-	-
88	OHX	5	4115	-	0,6,6	-	-	-	-	-
88	OHX	7	225	-	0,6,6	-	-	-	-	-
88	OHX	2	2110	-	0,6,6	-	-	-	-	-
88	OHX	5	3873	-	0,6,6	-	-	-	-	-
88	OHX	1	3905	-	0,6,6	-	-	-	-	-
88	OHX	5	3796	-	0,6,6	-	-	-	-	-
88	OHX	5	3850	-	0,6,6	-	-	-	-	-
88	OHX	5	4000	-	0,6,6	-	-	-	-	-
88	OHX	5	3888	-	0,6,6	-	-	-	-	-
88	OHX	5	4131	-	0,6,6	-	-	-	-	-
88	OHX	1	3902	-	0,6,6	-	-	-	-	-
88	OHX	3	218	-	0,6,6	-	-	-	-	-
88	OHX	5	3794	-	0,6,6	-	-	-	-	-
88	OHX	6	2053	-	0,6,6	-	-	-	-	-
88	OHX	5	4109	-	0,6,6	-	-	-	-	-
88	OHX	1	3823	-	0,6,6	-	-	-	-	-
88	OHX	1	3798	-	0,6,6	-	-	-	-	-
88	OHX	6	2026	-	0,6,6	-	-	-	-	-
88	OHX	6	2103	-	0,6,6	-	-	-	-	-
88	OHX	2	2023	-	0,6,6	-	-	-	-	-
88	OHX	3	213	-	0,6,6	-	-	-	-	-
88	OHX	5	3831	-	0,6,6	-	-	-	-	-
88	OHX	5	3870	-	0,6,6	-	-	-	-	-
88	OHX	1	3890	-	0,6,6	-	-	-	-	-
88	OHX	7	221	-	0,6,6	-	-	-	-	-
88	OHX	2	2035	-	0,6,6	-	-	-	-	-
88	OHX	1	4055	-	0,6,6	-	-	-	-	-
88	OHX	1	3848	-	0,6,6	-	-	-	-	-
88	OHX	6	2099	-	0,6,6	-	-	-	-	-

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
88	OHX	5	4128	-	0,6,6	-	-	-	-	-
88	OHX	1	3946	-	0,6,6	-	-	-	-	-
88	OHX	1	4042	-	0,6,6	-	-	-	-	-
88	OHX	6	2075	-	0,6,6	-	-	-	-	-
88	OHX	2	2118	-	0,6,6	-	-	-	-	-
88	OHX	2	2005	-	0,6,6	-	-	-	-	-
88	OHX	5	3858	-	0,6,6	-	-	-	-	-
88	OHX	1	4060	-	0,6,6	-	-	-	-	-
88	OHX	6	2085	-	0,6,6	-	-	-	-	-
88	OHX	1	3782	-	0,6,6	-	-	-	-	-
88	OHX	5	4080	-	0,6,6	-	-	-	-	-
88	OHX	2	2060	-	0,6,6	-	-	-	-	-
88	OHX	5	3818	-	0,6,6	-	-	-	-	-
88	OHX	M9	201	-	0,6,6	-	-	-	-	-
88	OHX	5	4023	-	0,6,6	-	-	-	-	-
88	OHX	2	2042	-	0,6,6	-	-	-	-	-
88	OHX	5	3994	-	0,6,6	-	-	-	-	-
88	OHX	5	3863	-	0,6,6	-	-	-	-	-
88	OHX	6	2041	-	0,6,6	-	-	-	-	-
88	OHX	5	4130	-	0,6,6	-	-	-	-	-
88	OHX	5	3900	-	0,6,6	-	-	-	-	-
88	OHX	1	3850	-	0,6,6	-	-	-	-	-
88	OHX	6	2172	-	0,6,6	-	-	-	-	-
88	OHX	N1	201	-	0,6,6	-	-	-	-	-
88	OHX	6	2089	-	0,6,6	-	-	-	-	-
88	OHX	1	4022	-	0,6,6	-	-	-	-	-
88	OHX	1	3868	-	0,6,6	-	-	-	-	-
88	OHX	1	3928	-	0,6,6	-	-	-	-	-
88	OHX	4	235	-	0,6,6	-	-	-	-	-
88	OHX	1	3812	-	0,6,6	-	-	-	-	-
88	OHX	5	4049	-	0,6,6	-	-	-	-	-
88	OHX	5	3952	-	0,6,6	-	-	-	-	-
88	OHX	8	227	-	0,6,6	-	-	-	-	-
88	OHX	N9	102	-	0,6,6	-	-	-	-	-
88	OHX	1	3897	-	0,6,6	-	-	-	-	-
88	OHX	1	3847	-	0,6,6	-	-	-	-	-
88	OHX	6	2171	-	0,6,6	-	-	-	-	-
88	OHX	1	3899	-	0,6,6	-	-	-	-	-
88	OHX	1	3766	-	0,6,6	-	-	-	-	-
88	OHX	3	216	-	0,6,6	-	-	-	-	-
88	OHX	5	4102	-	0,6,6	-	-	-	-	-
88	OHX	1	3976	-	0,6,6	-	-	-	-	-
88	OHX	1	3829	-	0,6,6	-	-	-	-	-

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
88	OHX	1	3904	-	0,6,6	-	-	-	-	-
88	OHX	1	4038	-	0,6,6	-	-	-	-	-
88	OHX	1	3981	-	0,6,6	-	-	-	-	-
88	OHX	2	2152	-	0,6,6	-	-	-	-	-
88	OHX	2	2027	-	0,6,6	-	-	-	-	-
88	OHX	2	2073	-	0,6,6	-	-	-	-	-
88	OHX	6	2119	-	0,6,6	-	-	-	-	-
88	OHX	1	3983	-	0,6,6	-	-	-	-	-
88	OHX	C5	201	-	0,6,6	-	-	-	-	-
88	OHX	5	3978	-	0,6,6	-	-	-	-	-
88	OHX	6	2019	-	0,6,6	-	-	-	-	-
88	OHX	2	2038	-	0,6,6	-	-	-	-	-
88	OHX	1	4087	-	0,6,6	-	-	-	-	-
88	OHX	2	2119	-	0,6,6	-	-	-	-	-
88	OHX	6	2031	-	0,6,6	-	-	-	-	-
88	OHX	1	4089	-	0,6,6	-	-	-	-	-
88	OHX	2	2020	-	0,6,6	-	-	-	-	-
88	OHX	5	3798	-	0,6,6	-	-	-	-	-
88	OHX	6	2048	-	0,6,6	-	-	-	-	-
88	OHX	1	3927	-	0,6,6	-	-	-	-	-
88	OHX	6	2069	-	0,6,6	-	-	-	-	-
88	OHX	6	2164	-	0,6,6	-	-	-	-	-
88	OHX	8	218	-	0,6,6	-	-	-	-	-
88	OHX	1	4077	-	0,6,6	-	-	-	-	-
88	OHX	1	3773	-	0,6,6	-	-	-	-	-
88	OHX	5	3902	-	0,6,6	-	-	-	-	-
88	OHX	2	2088	-	0,6,6	-	-	-	-	-
88	OHX	5	3901	-	0,6,6	-	-	-	-	-
88	OHX	5	3848	-	0,6,6	-	-	-	-	-
88	OHX	8	230	-	0,6,6	-	-	-	-	-
88	OHX	6	2062	-	0,6,6	-	-	-	-	-
88	OHX	sR	401	-	0,6,6	-	-	-	-	-
88	OHX	2	2143	-	0,6,6	-	-	-	-	-
88	OHX	5	4032	-	0,6,6	-	-	-	-	-
88	OHX	5	3828	-	0,6,6	-	-	-	-	-
88	OHX	5	4113	-	0,6,6	-	-	-	-	-
88	OHX	2	2008	-	0,6,6	-	-	-	-	-
88	OHX	1	3841	-	0,6,6	-	-	-	-	-
88	OHX	6	2047	-	0,6,6	-	-	-	-	-
88	OHX	1	3801	-	0,6,6	-	-	-	-	-
88	OHX	2	2080	-	0,6,6	-	-	-	-	-
88	OHX	5	4044	-	0,6,6	-	-	-	-	-
88	OHX	5	4058	-	0,6,6	-	-	-	-	-

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
88	OHX	2	2089	-	0,6,6	-	-	-	-	-
88	OHX	1	3986	-	0,6,6	-	-	-	-	-
88	OHX	7	224	-	0,6,6	-	-	-	-	-
88	OHX	6	2029	-	0,6,6	-	-	-	-	-
88	OHX	5	4097	-	0,6,6	-	-	-	-	-
88	OHX	2	2028	-	0,6,6	-	-	-	-	-
88	OHX	2	2075	-	0,6,6	-	-	-	-	-
88	OHX	1	3952	-	0,6,6	-	-	-	-	-
88	OHX	1	3968	-	0,6,6	-	-	-	-	-
88	OHX	6	2046	-	0,6,6	-	-	-	-	-
88	OHX	2	2049	-	0,6,6	-	-	-	-	-
88	OHX	1	3764	-	0,6,6	-	-	-	-	-
88	OHX	5	4122	-	0,6,6	-	-	-	-	-
88	OHX	6	2081	-	0,6,6	-	-	-	-	-
88	OHX	1	3862	-	0,6,6	-	-	-	-	-
88	OHX	5	3803	-	0,6,6	-	-	-	-	-
88	OHX	5	4039	-	0,6,6	-	-	-	-	-
88	OHX	1	3865	-	0,6,6	-	-	-	-	-
88	OHX	5	3879	-	0,6,6	-	-	-	-	-
88	OHX	6	2035	-	0,6,6	-	-	-	-	-
88	OHX	6	2127	-	0,6,6	-	-	-	-	-
88	OHX	6	2059	-	0,6,6	-	-	-	-	-
88	OHX	6	2140	-	0,6,6	-	-	-	-	-
88	OHX	1	3992	-	0,6,6	-	-	-	-	-
88	OHX	5	4151	-	0,6,6	-	-	-	-	-
88	OHX	2	2137	-	0,6,6	-	-	-	-	-
88	OHX	s9	201	-	0,6,6	-	-	-	-	-
88	OHX	5	4017	-	0,6,6	-	-	-	-	-
88	OHX	6	2182	-	0,6,6	-	-	-	-	-
88	OHX	5	3894	-	0,6,6	-	-	-	-	-
88	OHX	6	2184	-	0,6,6	-	-	-	-	-
88	OHX	1	3809	-	0,6,6	-	-	-	-	-
88	OHX	1	4010	-	0,6,6	-	-	-	-	-
88	OHX	6	2037	-	0,6,6	-	-	-	-	-
88	OHX	6	2155	-	0,6,6	-	-	-	-	-
88	OHX	5	4031	-	0,6,6	-	-	-	-	-
88	OHX	1	3990	-	0,6,6	-	-	-	-	-
88	OHX	4	224	-	0,6,6	-	-	-	-	-
88	OHX	2	2011	-	0,6,6	-	-	-	-	-
88	OHX	1	3765	-	0,6,6	-	-	-	-	-
88	OHX	1	3768	-	0,6,6	-	-	-	-	-
88	OHX	7	217	-	0,6,6	-	-	-	-	-
88	OHX	1	3994	-	0,6,6	-	-	-	-	-

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
88	OHX	5	3964	-	0,6,6	-	-	-	-	-
88	OHX	1	4065	-	0,6,6	-	-	-	-	-
88	OHX	1	4103	-	0,6,6	-	-	-	-	-
88	OHX	14	401	-	0,6,6	-	-	-	-	-
88	OHX	5	3853	-	0,6,6	-	-	-	-	-
88	OHX	1	4071	-	0,6,6	-	-	-	-	-
88	OHX	1	4079	-	0,6,6	-	-	-	-	-
88	OHX	5	4100	-	0,6,6	-	-	-	-	-
88	OHX	5	3946	-	0,6,6	-	-	-	-	-
88	OHX	1	4061	-	0,6,6	-	-	-	-	-
88	OHX	6	2016	-	0,6,6	-	-	-	-	-
88	OHX	2	2021	-	0,6,6	-	-	-	-	-
88	OHX	1	4076	-	0,6,6	-	-	-	-	-
88	OHX	1	3995	-	0,6,6	-	-	-	-	-
88	OHX	6	2055	-	0,6,6	-	-	-	-	-
88	OHX	2	2109	-	0,6,6	-	-	-	-	-
88	OHX	6	2163	-	0,6,6	-	-	-	-	-
88	OHX	1	3982	-	0,6,6	-	-	-	-	-
88	OHX	2	2019	-	0,6,6	-	-	-	-	-
88	OHX	1	3936	-	0,6,6	-	-	-	-	-
88	OHX	1	4085	-	0,6,6	-	-	-	-	-
88	OHX	1	4054	-	0,6,6	-	-	-	-	-
88	OHX	5	3802	-	0,6,6	-	-	-	-	-
88	OHX	5	4157	-	0,6,6	-	-	-	-	-
88	OHX	6	2050	-	0,6,6	-	-	-	-	-
88	OHX	5	3991	-	0,6,6	-	-	-	-	-
88	OHX	1	3998	-	0,6,6	-	-	-	-	-
88	OHX	5	4087	-	0,6,6	-	-	-	-	-
88	OHX	6	2067	1	0,6,6	-	-	-	-	-
88	OHX	2	2014	-	0,6,6	-	-	-	-	-
88	OHX	1	3912	-	0,6,6	-	-	-	-	-
88	OHX	5	4094	-	0,6,6	-	-	-	-	-
88	OHX	5	3835	-	0,6,6	-	-	-	-	-
88	OHX	5	4002	-	0,6,6	-	-	-	-	-
88	OHX	2	2146	-	0,6,6	-	-	-	-	-
88	OHX	o3	201	-	0,6,6	-	-	-	-	-
88	OHX	6	2049	-	0,6,6	-	-	-	-	-
88	OHX	5	4005	-	0,6,6	-	-	-	-	-
88	OHX	6	2023	-	0,6,6	-	-	-	-	-
88	OHX	2	2015	-	0,6,6	-	-	-	-	-
88	OHX	6	2157	-	0,6,6	-	-	-	-	-
88	OHX	6	2071	-	0,6,6	-	-	-	-	-
88	OHX	5	3930	-	0,6,6	-	-	-	-	-

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
88	OHX	1	3879	-	0,6,6	-	-	-	-	-
88	OHX	2	2114	-	0,6,6	-	-	-	-	-
88	OHX	5	4103	-	0,6,6	-	-	-	-	-
88	OHX	1	3911	-	0,6,6	-	-	-	-	-
88	OHX	1	3845	-	0,6,6	-	-	-	-	-
88	OHX	1	3910	-	0,6,6	-	-	-	-	-
88	OHX	6	2039	-	0,6,6	-	-	-	-	-
88	OHX	5	3855	-	0,6,6	-	-	-	-	-
88	OHX	5	3995	-	0,6,6	-	-	-	-	-
88	OHX	6	2043	-	0,6,6	-	-	-	-	-
88	OHX	5	4104	-	0,6,6	-	-	-	-	-
88	OHX	2	2039	-	0,6,6	-	-	-	-	-
88	OHX	1	3796	-	0,6,6	-	-	-	-	-
88	OHX	1	4031	-	0,6,6	-	-	-	-	-
88	OHX	6	2143	-	0,6,6	-	-	-	-	-
88	OHX	6	2174	-	0,6,6	-	-	-	-	-
88	OHX	5	4008	-	0,6,6	-	-	-	-	-
88	OHX	2	2084	-	0,6,6	-	-	-	-	-
88	OHX	5	4051	-	0,6,6	-	-	-	-	-
88	OHX	5	3876	-	0,6,6	-	-	-	-	-
88	OHX	2	2098	-	0,6,6	-	-	-	-	-
88	OHX	S9	202	-	0,6,6	-	-	-	-	-
88	OHX	1	3778	-	0,6,6	-	-	-	-	-
88	OHX	5	3907	-	0,6,6	-	-	-	-	-
88	OHX	1	3991	-	0,6,6	-	-	-	-	-
88	OHX	1	3898	-	0,6,6	-	-	-	-	-
88	OHX	5	4146	-	0,6,6	-	-	-	-	-
88	OHX	6	2086	-	0,6,6	-	-	-	-	-
88	OHX	2	2074	-	0,6,6	-	-	-	-	-
88	OHX	5	3977	-	0,6,6	-	-	-	-	-
88	OHX	6	2045	-	0,6,6	-	-	-	-	-
88	OHX	2	2105	-	0,6,6	-	-	-	-	-
88	OHX	5	3917	-	0,6,6	-	-	-	-	-
88	OHX	1	3870	-	0,6,6	-	-	-	-	-
88	OHX	1	3804	-	0,6,6	-	-	-	-	-
88	OHX	5	3825	-	0,6,6	-	-	-	-	-
88	OHX	Q2	503	-	0,6,6	-	-	-	-	-
88	OHX	q1	702	-	0,6,6	-	-	-	-	-
88	OHX	1	3961	-	0,6,6	-	-	-	-	-
88	OHX	1	3867	-	0,6,6	-	-	-	-	-
88	OHX	5	3839	-	0,6,6	-	-	-	-	-
88	OHX	2	2121	-	0,6,6	-	-	-	-	-
88	OHX	1	4064	-	0,6,6	-	-	-	-	-

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
88	OHX	2	2126	-	0,6,6	-	-	-	-	-
88	OHX	5	3903	-	0,6,6	-	-	-	-	-
88	OHX	8	229	-	0,6,6	-	-	-	-	-
88	OHX	6	2063	-	0,6,6	-	-	-	-	-
88	OHX	5	4106	-	0,6,6	-	-	-	-	-
88	OHX	1	3824	-	0,6,6	-	-	-	-	-
88	OHX	6	2097	-	0,6,6	-	-	-	-	-
88	OHX	M7	204	-	0,6,6	-	-	-	-	-
88	OHX	5	3989	-	0,6,6	-	-	-	-	-
88	OHX	1	3855	-	0,6,6	-	-	-	-	-
88	OHX	5	3941	-	0,6,6	-	-	-	-	-
88	OHX	5	3797	-	0,6,6	-	-	-	-	-
88	OHX	1	4028	-	0,6,6	-	-	-	-	-
88	OHX	6	2096	-	0,6,6	-	-	-	-	-
88	OHX	1	3852	-	0,6,6	-	-	-	-	-
88	OHX	5	3869	-	0,6,6	-	-	-	-	-
88	OHX	1	4043	-	0,6,6	-	-	-	-	-
88	OHX	6	2120	-	0,6,6	-	-	-	-	-
88	OHX	5	3986	-	0,6,6	-	-	-	-	-
88	OHX	6	2118	-	0,6,6	-	-	-	-	-
88	OHX	5	3836	-	0,6,6	-	-	-	-	-
88	OHX	1	3881	-	0,6,6	-	-	-	-	-
88	OHX	5	4121	-	0,6,6	-	-	-	-	-
88	OHX	2	2068	-	0,6,6	-	-	-	-	-
88	OHX	1	3913	-	0,6,6	-	-	-	-	-
88	OHX	6	2166	-	0,6,6	-	-	-	-	-
88	OHX	1	3864	-	0,6,6	-	-	-	-	-
88	OHX	5	3920	-	0,6,6	-	-	-	-	-
88	OHX	2	2120	-	0,6,6	-	-	-	-	-
88	OHX	1	3948	-	0,6,6	-	-	-	-	-
88	OHX	m7	204	-	0,6,6	-	-	-	-	-
88	OHX	2	2046	-	0,6,6	-	-	-	-	-
88	OHX	5	3801	-	0,6,6	-	-	-	-	-
88	OHX	2	2071	-	0,6,6	-	-	-	-	-
88	OHX	5	3957	-	0,6,6	-	-	-	-	-
88	OHX	1	3772	-	0,6,6	-	-	-	-	-
88	OHX	1	3955	-	0,6,6	-	-	-	-	-
88	OHX	6	2115	-	0,6,6	-	-	-	-	-
88	OHX	5	3804	-	0,6,6	-	-	-	-	-
88	OHX	1	3827	-	0,6,6	-	-	-	-	-
88	OHX	C3	201	-	0,6,6	-	-	-	-	-
88	OHX	5	3992	-	0,6,6	-	-	-	-	-
88	OHX	5	4143	-	0,6,6	-	-	-	-	-

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
88	OHX	6	2090	-	0,6,6	-	-	-	-	-
88	OHX	1	4074	-	0,6,6	-	-	-	-	-
88	OHX	6	2080	-	0,6,6	-	-	-	-	-
88	OHX	5	3970	-	0,6,6	-	-	-	-	-
88	OHX	1	4013	-	0,6,6	-	-	-	-	-
88	OHX	1	3820	-	0,6,6	-	-	-	-	-
88	OHX	2	2090	-	0,6,6	-	-	-	-	-
88	OHX	1	3896	-	0,6,6	-	-	-	-	-
88	OHX	1	3909	-	0,6,6	-	-	-	-	-
88	OHX	2	2032	-	0,6,6	-	-	-	-	-
88	OHX	1	4067	-	0,6,6	-	-	-	-	-
88	OHX	5	3971	-	0,6,6	-	-	-	-	-
88	OHX	5	3985	-	0,6,6	-	-	-	-	-
88	OHX	1	3873	-	0,6,6	-	-	-	-	-
88	OHX	5	4108	-	0,6,6	-	-	-	-	-
88	OHX	5	3827	-	0,6,6	-	-	-	-	-
88	OHX	5	4047	-	0,6,6	-	-	-	-	-
88	OHX	5	4118	-	0,6,6	-	-	-	-	-
88	OHX	5	4158	-	0,6,6	-	-	-	-	-
88	OHX	2	1996	-	0,6,6	-	-	-	-	-
88	OHX	1	3888	-	0,6,6	-	-	-	-	-
88	OHX	6	2125	-	0,6,6	-	-	-	-	-
88	OHX	5	4071	-	0,6,6	-	-	-	-	-
88	OHX	1	3956	-	0,6,6	-	-	-	-	-
88	OHX	1	3794	-	0,6,6	-	-	-	-	-
88	OHX	5	4155	-	0,6,6	-	-	-	-	-
88	OHX	5	4073	-	0,6,6	-	-	-	-	-
88	OHX	2	2079	-	0,6,6	-	-	-	-	-
88	OHX	1	3840	-	0,6,6	-	-	-	-	-
88	OHX	8	225	-	0,6,6	-	-	-	-	-
88	OHX	1	3854	-	0,6,6	-	-	-	-	-
88	OHX	5	3799	-	0,6,6	-	-	-	-	-
88	OHX	1	4002	-	0,6,6	-	-	-	-	-
88	OHX	2	2036	-	0,6,6	-	-	-	-	-
88	OHX	1	4092	-	0,6,6	-	-	-	-	-
88	OHX	2	2013	-	0,6,6	-	-	-	-	-
88	OHX	5	4019	-	0,6,6	-	-	-	-	-
88	OHX	1	4020	-	0,6,6	-	-	-	-	-
88	OHX	1	3815	-	0,6,6	-	-	-	-	-
88	OHX	q2	502	-	0,6,6	-	-	-	-	-
88	OHX	8	217	-	0,6,6	-	-	-	-	-
88	OHX	14	402	-	0,6,6	-	-	-	-	-
88	OHX	6	2109	-	0,6,6	-	-	-	-	-

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
88	OHX	6	2151	-	0,6,6	-	-	-	-	-
88	OHX	5	3921	-	0,6,6	-	-	-	-	-
88	OHX	5	4014	-	0,6,6	-	-	-	-	-
88	OHX	5	3812	-	0,6,6	-	-	-	-	-
88	OHX	2	2150	-	0,6,6	-	-	-	-	-
88	OHX	5	3943	-	0,6,6	-	-	-	-	-
88	OHX	5	3897	-	0,6,6	-	-	-	-	-
88	OHX	7	220	-	0,6,6	-	-	-	-	-
88	OHX	2	2053	-	0,6,6	-	-	-	-	-
88	OHX	6	2079	-	0,6,6	-	-	-	-	-
88	OHX	5	4148	-	0,6,6	-	-	-	-	-
88	OHX	1	4016	-	0,6,6	-	-	-	-	-
88	OHX	1	3787	-	0,6,6	-	-	-	-	-
88	OHX	2	2111	-	0,6,6	-	-	-	-	-
88	OHX	o9	102	-	0,6,6	-	-	-	-	-
88	OHX	6	2036	-	0,6,6	-	-	-	-	-
88	OHX	1	3844	-	0,6,6	-	-	-	-	-
88	OHX	2	2000	-	0,6,6	-	-	-	-	-
88	OHX	2	2024	-	0,6,6	-	-	-	-	-
88	OHX	5	3898	-	0,6,6	-	-	-	-	-
88	OHX	1	4051	-	0,6,6	-	-	-	-	-
88	OHX	1	4049	-	0,6,6	-	-	-	-	-
88	OHX	6	2068	-	0,6,6	-	-	-	-	-
88	OHX	6	2092	-	0,6,6	-	-	-	-	-
88	OHX	S6	301	-	0,6,6	-	-	-	-	-
88	OHX	5	3867	-	0,6,6	-	-	-	-	-
88	OHX	1	3781	-	0,6,6	-	-	-	-	-
88	OHX	1	3814	-	0,6,6	-	-	-	-	-
88	OHX	1	3900	-	0,6,6	-	-	-	-	-
88	OHX	1	3967	-	0,6,6	-	-	-	-	-
88	OHX	5	4013	-	0,6,6	-	-	-	-	-
88	OHX	1	3916	-	0,6,6	-	-	-	-	-
88	OHX	1	3886	-	0,6,6	-	-	-	-	-
88	OHX	5	4089	-	0,6,6	-	-	-	-	-
88	OHX	2	2072	-	0,6,6	-	-	-	-	-
88	OHX	M0	303	-	0,6,6	-	-	-	-	-
88	OHX	5	3936	-	0,6,6	-	-	-	-	-
88	OHX	1	3942	-	0,6,6	-	-	-	-	-
88	OHX	1	3861	-	0,6,6	-	-	-	-	-
88	OHX	2	2047	-	0,6,6	-	-	-	-	-
88	OHX	S8	301	-	0,6,6	-	-	-	-	-
88	OHX	1	3893	-	0,6,6	-	-	-	-	-
88	OHX	1	3941	-	0,6,6	-	-	-	-	-

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
88	OHX	6	2144	-	0,6,6	-	-	-		
88	OHX	5	3996	-	0,6,6	-	-	-		

There are no bond length outliers.

There are no bond angle outliers.

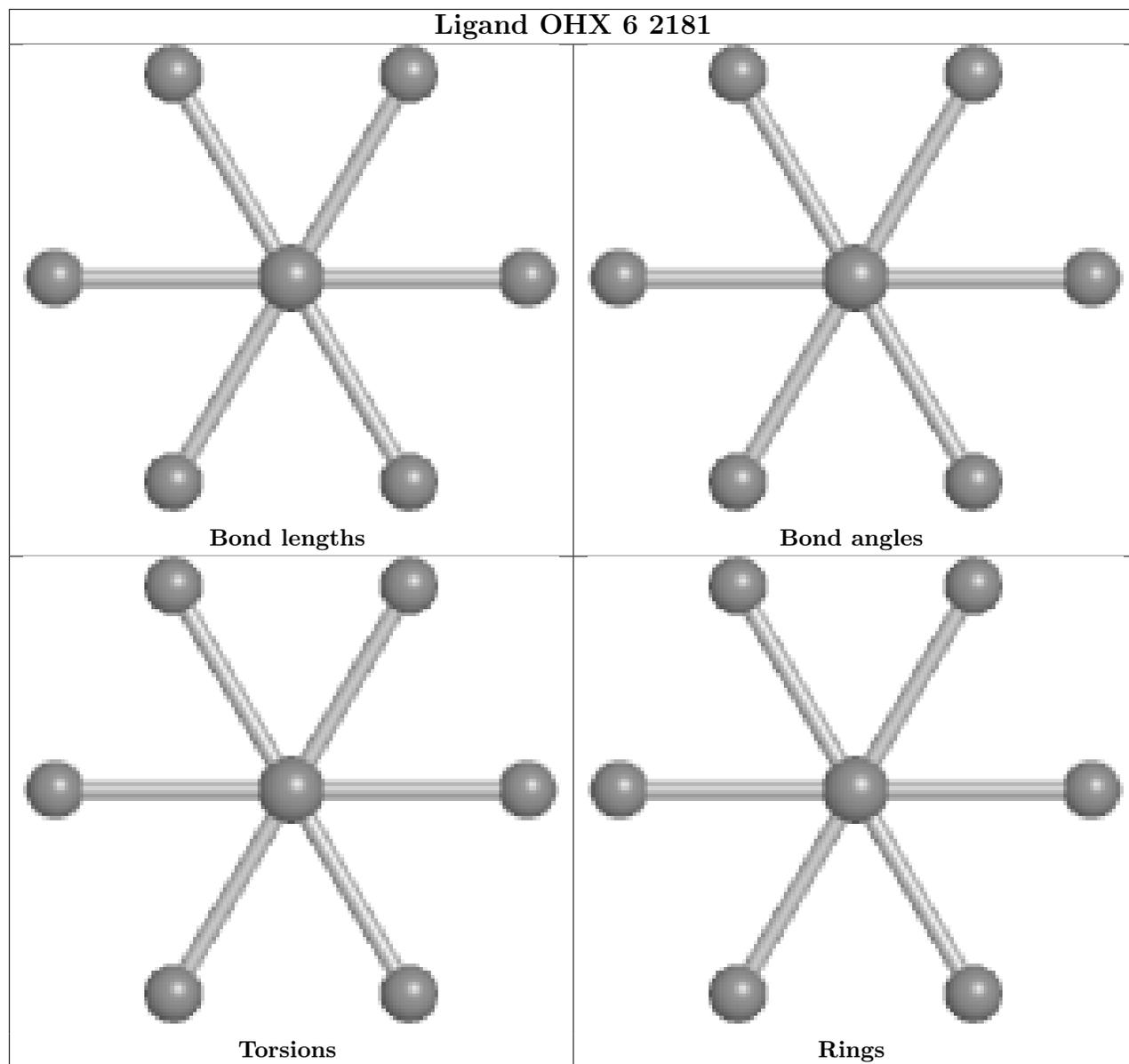
There are no chirality outliers.

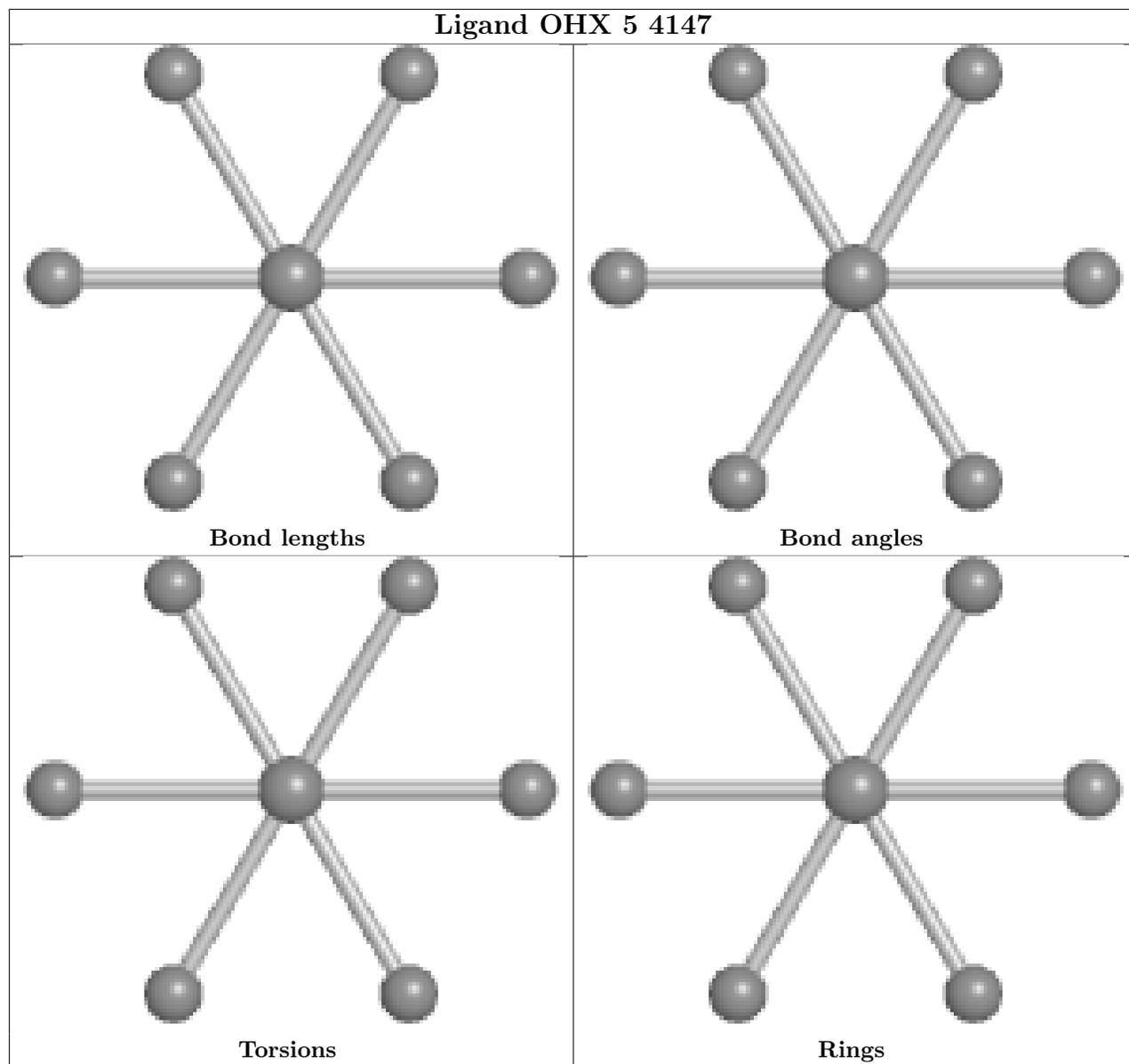
There are no torsion outliers.

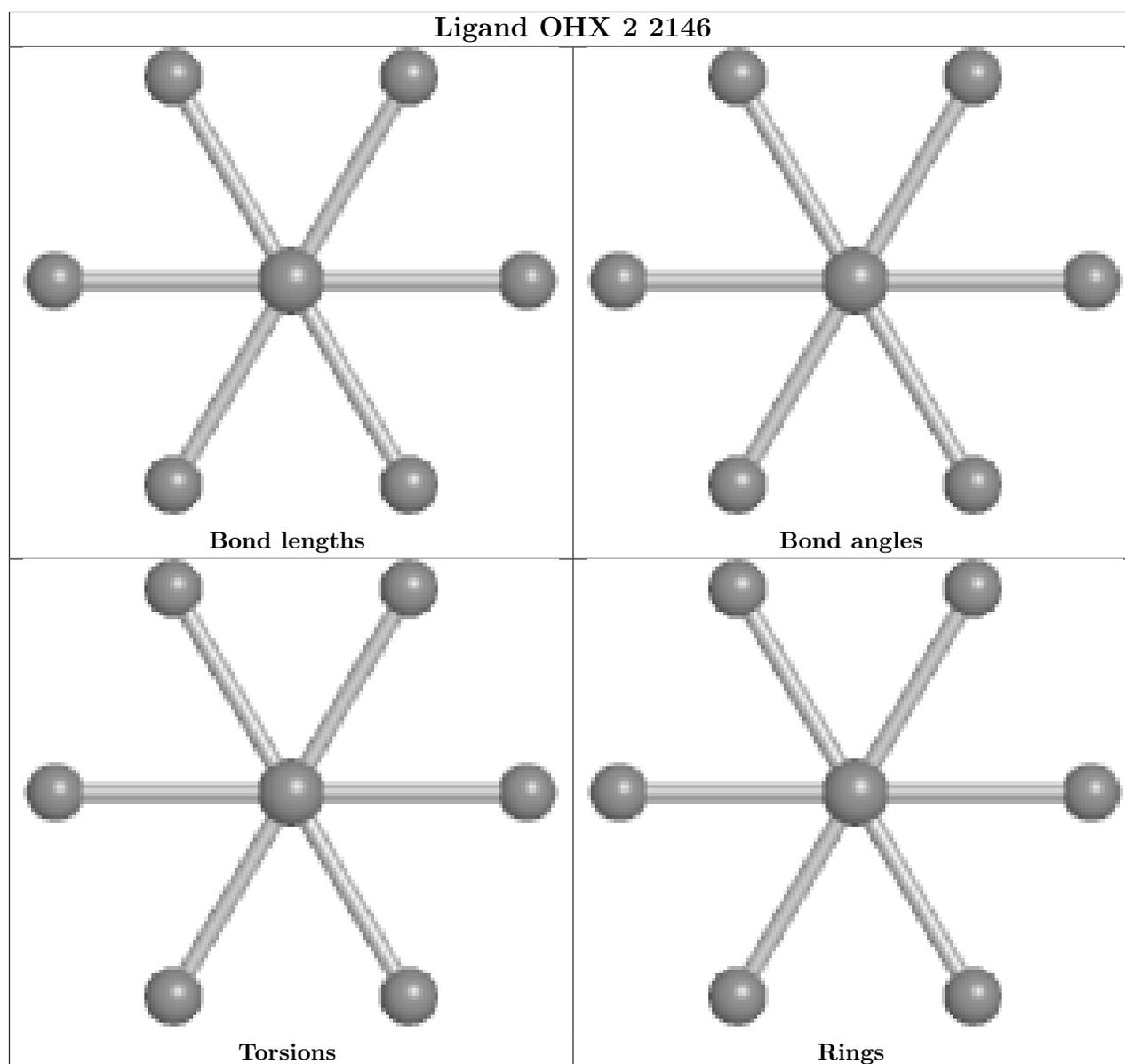
There are no ring outliers.

No monomer is involved in short contacts.

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







5.7 Other polymers [i](#)

There are no such residues in this entry.

5.8 Polymer linkage issues [i](#)

The following chains have linkage breaks:

Mol	Chain	Number of breaks
86	l1	46
1	2	2
81	m2	2

Continued on next page...

Continued from previous page...

Mol	Chain	Number of breaks
36	5	1

The worst 5 of 51 chain breaks are listed below:

Model	Chain	Residue-1	Atom-1	Residue-2	Atom-2	Distance (Å)
1	2	1716:C	O3'	1717:G	P	5.68
1	l1	132:UNK	C	133:UNK	N	4.51
1	m2	23:UNK	C	28:UNK	N	4.14
1	l1	81:UNK	C	82:UNK	N	3.84
1	5	2437:G	O3'	2438:A	P	3.63

6 Fit of model and data i

6.1 Protein, DNA and RNA chains i

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

Mol	Chain	Analysed	<RSRZ>	#RSRZ > 2	OWAB(Å ²)	Q < 0.9
1	2	1781/1800 (98%)	0.76	159 (8%) 9 5	57, 96, 178, 219	0
1	6	1795/1800 (99%)	0.51	86 (4%) 30 17	44, 84, 166, 211	0
2	S0	206/251 (82%)	1.12	43 (20%) 1 0	100, 115, 126, 138	0
2	s0	206/251 (82%)	0.62	19 (9%) 9 5	81, 98, 114, 118	0
3	S1	214/254 (84%)	0.80	33 (15%) 2 1	104, 134, 156, 161	0
3	s1	216/254 (85%)	0.49	12 (5%) 24 12	77, 91, 111, 123	0
4	S2	217/253 (85%)	0.91	37 (17%) 1 1	81, 93, 109, 115	0
4	s2	217/253 (85%)	1.13	48 (22%) 0 0	65, 81, 96, 112	0
5	S3	223/239 (93%)	1.34	68 (30%) 0 0	84, 97, 119, 130	0
5	s3	223/239 (93%)	0.80	39 (17%) 1 1	80, 109, 133, 136	0
6	S4	260/260 (100%)	1.33	80 (30%) 0 0	71, 96, 106, 121	0
6	s4	260/260 (100%)	0.71	26 (10%) 7 4	59, 86, 100, 121	0
7	S5	206/224 (91%)	1.11	50 (24%) 0 0	103, 122, 131, 135	0
7	s5	206/224 (91%)	0.93	40 (19%) 1 0	83, 106, 121, 129	0
8	S6	226/236 (95%)	0.49	22 (9%) 7 4	72, 102, 122, 133	0
8	s6	218/236 (92%)	0.48	13 (5%) 21 11	60, 90, 110, 121	0
9	S7	184/189 (97%)	1.31	56 (30%) 0 0	98, 122, 142, 148	0
9	s7	186/189 (98%)	0.67	19 (10%) 6 3	79, 107, 134, 139	0
10	S8	188/200 (94%)	1.47	54 (28%) 0 0	67, 83, 116, 129	0
10	s8	188/200 (94%)	0.71	11 (5%) 22 12	56, 74, 119, 135	0
11	S9	185/196 (94%)	1.94	80 (43%) 0 0	86, 103, 129, 145	0
11	s9	185/196 (94%)	1.22	40 (21%) 0 0	72, 90, 120, 138	0
12	C0	96/105 (91%)	0.33	8 (8%) 11 6	89, 110, 128, 138	0
12	c0	96/105 (91%)	1.13	25 (26%) 0 0	101, 132, 145, 150	0

Continued on next page...

Continued from previous page...

Mol	Chain	Analysed	<RSRZ>	#RSRZ>2			OWAB(Å ²)	Q<0.9
13	C1	155/155 (100%)	1.51	42 (27%)	0	0	70, 82, 114, 129	0
13	c1	146/155 (94%)	1.22	21 (14%)	2	1	59, 71, 99, 122	0
14	C2	124/124 (100%)	0.72	14 (11%)	5	3	135, 143, 151, 154	0
14	c2	124/124 (100%)	2.28	62 (50%)	0	0	172, 187, 200, 208	0
15	C3	150/150 (100%)	0.64	18 (12%)	4	2	77, 91, 111, 115	0
15	c3	150/150 (100%)	0.65	11 (7%)	15	8	64, 80, 95, 100	0
16	C4	127/136 (93%)	0.38	12 (9%)	8	4	78, 131, 145, 150	0
16	c4	128/136 (94%)	0.78	15 (11%)	4	2	58, 92, 102, 108	0
17	C5	124/137 (90%)	0.71	14 (11%)	5	3	84, 100, 116, 128	0
17	c5	135/137 (98%)	1.18	28 (20%)	1	0	76, 101, 113, 119	0
18	C6	141/142 (99%)	2.41	75 (53%)	0	0	89, 110, 115, 118	0
18	c6	142/142 (100%)	2.19	69 (48%)	0	0	75, 99, 113, 127	0
19	C7	120/136 (88%)	1.75	49 (40%)	0	0	96, 110, 133, 135	0
19	c7	117/136 (86%)	0.89	20 (17%)	1	1	83, 98, 116, 118	0
20	C8	145/145 (100%)	0.47	10 (6%)	16	9	83, 109, 130, 138	0
20	c8	145/145 (100%)	0.70	20 (13%)	2	1	82, 97, 120, 130	0
21	C9	143/143 (100%)	1.99	70 (48%)	0	0	94, 108, 119, 126	0
21	c9	143/143 (100%)	1.09	25 (17%)	1	1	78, 93, 110, 119	0
22	D0	107/120 (89%)	2.13	47 (43%)	0	0	82, 112, 129, 132	0
22	d0	110/120 (91%)	2.22	57 (51%)	0	0	79, 110, 138, 141	0
23	D1	87/87 (100%)	0.84	14 (16%)	1	1	96, 104, 120, 127	0
23	d1	87/87 (100%)	0.33	3 (3%)	45	28	78, 87, 109, 119	0
24	D2	129/129 (100%)	2.44	75 (58%)	0	0	80, 93, 99, 108	0
25	D3	144/144 (100%)	1.04	30 (20%)	1	0	67, 73, 81, 95	0
25	d3	144/144 (100%)	0.71	22 (15%)	2	1	54, 61, 72, 82	0
26	D4	134/134 (100%)	0.62	15 (11%)	5	3	80, 104, 115, 122	0
26	d4	134/134 (100%)	0.17	3 (2%)	62	47	68, 91, 103, 109	0
27	D5	70/107 (65%)	0.51	6 (8%)	10	5	119, 133, 139, 141	0
27	d5	69/107 (64%)	0.90	8 (11%)	4	2	97, 117, 127, 130	0
28	D6	97/97 (100%)	2.04	52 (53%)	0	0	82, 95, 140, 144	0
28	d6	97/97 (100%)	1.43	28 (28%)	0	0	62, 74, 105, 112	0

Continued on next page...

Continued from previous page...

Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
29	D7	81/81 (100%)	1.90	35 (43%) 0 0	95, 109, 134, 140	0
29	d7	81/81 (100%)	1.69	28 (34%) 0 0	78, 93, 127, 132	0
30	D8	63/66 (95%)	0.83	13 (20%) 1 0	111, 126, 137, 141	0
30	d8	63/66 (95%)	1.17	16 (25%) 0 0	98, 113, 124, 135	0
31	D9	53/55 (96%)	1.69	21 (39%) 0 0	83, 87, 103, 110	0
31	d9	53/55 (96%)	2.93	34 (64%) 0 0	77, 88, 125, 139	0
32	E0	60/62 (96%)	2.27	27 (45%) 0 0	74, 101, 125, 127	0
32	e0	62/62 (100%)	0.68	9 (14%) 2 1	62, 89, 112, 115	0
33	E1	71/76 (93%)	1.56	25 (35%) 0 0	103, 132, 143, 147	0
33	e1	76/76 (100%)	2.81	41 (53%) 0 0	108, 162, 178, 183	0
34	SR	318/318 (100%)	1.01	55 (17%) 1 1	106, 117, 131, 147	0
34	sR	318/318 (100%)	1.44	99 (31%) 0 0	106, 124, 137, 148	0
35	SM	159/273 (58%)	0.90	33 (20%) 1 0	58, 94, 141, 144	0
35	sM	104/273 (38%)	0.36	7 (6%) 17 9	50, 106, 179, 186	0
36	1	3149/3396 (92%)	0.33	37 (1%) 79 68	35, 57, 128, 216	0
36	5	3169/3396 (93%)	0.38	40 (1%) 77 66	33, 52, 126, 187	0
37	3	121/121 (100%)	0.18	0 100 100	41, 72, 85, 91	0
37	7	121/121 (100%)	0.21	0 100 100	39, 58, 68, 77	0
38	4	158/158 (100%)	0.19	1 (0%) 89 84	43, 58, 94, 137	0
38	8	158/158 (100%)	0.21	0 100 100	43, 59, 94, 128	0
39	L2	252/253 (99%)	0.90	28 (11%) 5 3	44, 61, 76, 85	0
39	l2	252/253 (99%)	1.03	29 (11%) 4 2	40, 56, 73, 80	0
40	L3	386/386 (100%)	0.39	16 (4%) 37 22	40, 59, 72, 87	0
40	l3	386/386 (100%)	0.21	5 (1%) 77 66	34, 48, 62, 78	0
41	L4	361/361 (100%)	0.03	1 (0%) 94 92	38, 53, 69, 74	0
41	l4	361/361 (100%)	0.04	0 100 100	39, 55, 72, 84	0
42	L5	296/296 (100%)	0.66	25 (8%) 11 5	55, 79, 95, 114	0
42	l5	294/296 (99%)	0.38	7 (2%) 59 43	46, 62, 87, 102	0
43	L6	156/175 (89%)	0.09	0 100 100	47, 54, 70, 83	0
43	l6	157/175 (89%)	0.11	2 (1%) 77 66	48, 56, 76, 87	0
44	L7	222/243 (91%)	0.08	0 100 100	38, 48, 76, 105	0

Continued on next page...

Continued from previous page...

Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
44	l7	223/243 (91%)	0.04	0 100 100	38, 47, 77, 109	0
45	L8	233/255 (91%)	0.61	15 (6%) 19 10	67, 81, 110, 120	0
45	l8	231/255 (90%)	0.58	19 (8%) 11 6	69, 82, 109, 118	0
46	L9	191/191 (100%)	0.15	2 (1%) 82 73	54, 65, 77, 87	0
46	l9	191/191 (100%)	0.11	2 (1%) 82 73	43, 55, 71, 81	0
47	M0	211/220 (95%)	0.24	1 (0%) 91 86	41, 55, 88, 106	0
47	m0	213/220 (96%)	0.28	2 (0%) 84 75	39, 56, 80, 97	0
48	M1	169/173 (97%)	0.87	25 (14%) 2 1	63, 81, 93, 100	0
48	m1	169/173 (97%)	0.42	5 (2%) 50 33	51, 65, 76, 83	0
49	M3	193/198 (97%)	0.29	1 (0%) 91 86	38, 63, 100, 123	0
49	m3	194/198 (97%)	0.18	2 (1%) 82 73	39, 66, 96, 120	0
50	M4	136/137 (99%)	-0.02	0 100 100	49, 56, 68, 78	0
50	m4	137/137 (100%)	-0.07	0 100 100	45, 52, 66, 80	0
51	M5	204/204 (100%)	1.00	21 (10%) 6 3	40, 54, 66, 70	0
52	M6	197/198 (99%)	0.34	4 (2%) 65 50	39, 44, 64, 67	20 (10%)
52	m6	197/198 (99%)	0.29	2 (1%) 82 73	34, 40, 63, 65	18 (9%)
53	M7	183/183 (100%)	0.58	9 (4%) 29 16	43, 50, 97, 121	0
53	m7	155/183 (84%)	0.33	1 (0%) 89 84	37, 45, 59, 88	0
54	M8	185/185 (100%)	0.37	3 (1%) 72 59	41, 54, 69, 90	0
54	m8	185/185 (100%)	0.60	13 (7%) 16 8	40, 55, 64, 68	0
55	M9	188/188 (100%)	0.42	16 (8%) 10 5	60, 74, 144, 150	0
55	m9	188/188 (100%)	0.32	8 (4%) 35 21	49, 62, 125, 137	0
56	N0	172/172 (100%)	0.41	7 (4%) 37 22	46, 54, 65, 73	0
56	n0	172/172 (100%)	0.06	0 100 100	41, 48, 61, 70	0
57	N1	159/159 (100%)	0.70	14 (8%) 10 5	41, 54, 96, 103	0
57	n1	159/159 (100%)	0.65	11 (6%) 16 9	38, 48, 82, 88	0
58	N2	100/120 (83%)	0.41	7 (7%) 16 8	89, 104, 117, 121	0
58	n2	98/120 (81%)	0.67	7 (7%) 16 8	73, 85, 93, 97	0
59	N3	136/136 (100%)	0.55	7 (5%) 28 15	46, 56, 68, 76	0
59	n3	136/136 (100%)	0.54	2 (1%) 73 61	35, 45, 56, 60	0
60	N4	98/155 (63%)	2.10	31 (31%) 0 0	57, 69, 134, 146	0

Continued on next page...

Continued from previous page...

Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
60	n4	135/155 (87%)	0.77	14 (10%) 6 3	45, 93, 120, 132	0
61	N5	121/141 (85%)	0.47	4 (3%) 46 29	55, 66, 82, 107	0
61	n5	120/141 (85%)	0.27	3 (2%) 57 42	53, 66, 81, 93	0
62	N6	126/126 (100%)	0.49	4 (3%) 47 30	46, 60, 71, 77	0
62	n6	126/126 (100%)	0.45	0 100 100	49, 63, 75, 82	0
63	N7	135/135 (100%)	0.97	17 (12%) 3 2	81, 93, 105, 113	0
63	n7	135/135 (100%)	0.70	16 (11%) 4 2	74, 88, 99, 104	0
64	N8	148/148 (100%)	0.47	5 (3%) 45 28	35, 56, 78, 89	0
64	n8	148/148 (100%)	0.65	7 (4%) 31 17	35, 55, 76, 80	0
65	N9	58/58 (100%)	1.10	10 (17%) 1 1	37, 60, 96, 109	0
65	n9	58/58 (100%)	0.83	9 (15%) 2 1	37, 56, 77, 87	0
66	O0	97/104 (93%)	-0.25	0 100 100	81, 89, 107, 111	0
66	o0	100/104 (96%)	-0.04	3 (3%) 50 33	72, 80, 100, 109	0
67	O1	109/112 (97%)	1.23	29 (26%) 0 0	57, 69, 91, 98	0
67	o1	109/112 (97%)	0.66	3 (2%) 53 36	45, 57, 88, 104	0
68	O2	127/129 (98%)	0.28	2 (1%) 72 59	36, 48, 61, 74	0
68	o2	127/129 (98%)	0.22	0 100 100	34, 51, 64, 70	0
69	O3	106/106 (100%)	0.31	0 100 100	39, 45, 64, 74	0
69	o3	106/106 (100%)	0.53	3 (2%) 53 36	38, 45, 69, 77	0
70	O4	112/119 (94%)	1.29	35 (31%) 0 0	55, 71, 106, 113	0
70	o4	112/119 (94%)	1.43	36 (32%) 0 0	48, 66, 102, 107	0
71	O5	119/119 (100%)	0.03	1 (0%) 86 78	51, 68, 76, 81	0
71	o5	119/119 (100%)	0.19	4 (3%) 45 28	55, 68, 83, 92	0
72	O6	99/99 (100%)	0.49	9 (9%) 9 5	59, 69, 97, 110	0
72	o6	99/99 (100%)	0.76	6 (6%) 21 11	63, 71, 88, 106	0
73	O7	87/87 (100%)	0.59	2 (2%) 60 46	42, 48, 66, 85	0
73	o7	87/87 (100%)	0.72	3 (3%) 45 28	39, 47, 73, 92	0
74	O8	77/77 (100%)	0.42	5 (6%) 18 10	77, 90, 107, 112	0
74	o8	77/77 (100%)	0.88	13 (16%) 1 1	73, 86, 99, 101	0
75	O9	50/50 (100%)	0.74	3 (6%) 21 11	49, 55, 58, 58	0
75	o9	50/50 (100%)	0.97	4 (8%) 12 6	47, 52, 60, 61	0

Continued on next page...

Continued from previous page...

Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
76	Q0	52/52 (100%)	0.58	2 (3%) 40 25	46, 52, 67, 73	0
76	q0	52/52 (100%)	0.31	0 100 100	39, 45, 55, 58	0
77	Q1	25/25 (100%)	2.42	16 (64%) 0 0	58, 64, 68, 69	0
77	q1	25/25 (100%)	1.29	3 (12%) 4 2	50, 53, 56, 57	0
78	Q2	105/105 (100%)	0.26	1 (0%) 82 73	42, 56, 75, 99	0
78	q2	105/105 (100%)	0.17	2 (1%) 66 53	41, 54, 69, 107	0
79	Q3	91/91 (100%)	0.67	6 (6%) 18 10	51, 64, 78, 86	0
79	q3	91/91 (100%)	1.12	17 (18%) 1 0	44, 56, 72, 82	0
80	d2	130/130 (100%)	1.21	24 (18%) 1 0	63, 75, 82, 91	0
81	m2	0/150	-	-	-	-
82	m5	203/203 (100%)	1.31	39 (19%) 1 0	41, 56, 68, 73	0
83	p0	143/220 (65%)	0.99	28 (19%) 1 0	103, 124, 217, 227	0
84	p1	0/47	-	-	-	-
84	p2	0/47	-	-	-	-
85	f	147/157 (93%)	0.42	10 (6%) 17 9	48, 81, 147, 150	4 (2%)
86	l1	0/213	-	-	-	-
All	All	33262/35574 (93%)	0.66	3272 (9%) 7 4	33, 73, 133, 227	42 (0%)

The worst 5 of 3272 RSRZ outliers are listed below:

Mol	Chain	Res	Type	RSRZ
1	2	1694	A	15.4
1	2	1693	A	14.8
60	N4	86	SER	14.5
60	N4	75	THR	14.4
1	2	1708	U	14.1

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

In the following table, the Atoms column lists the number of modelled atoms in the group and the number defined in the chemical component dictionary. The B-factors column lists the minimum, median, 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
85	5CT	f	51	15/16	0.89	0.49	46,46,46,46	15

6.3 Carbohydrates [i](#)

There are no monosaccharides in this entry.

6.4 Ligands [i](#)

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

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
87	MG	2	1967	1/1	0.26	0.47	130,130,130,130	0
87	MG	2	1925	1/1	0.29	0.32	99,99,99,99	0
87	MG	2	1954	1/1	0.33	0.26	82,82,82,82	0
87	MG	2	1973	1/1	0.41	0.34	107,107,107,107	0
87	MG	1	3717	1/1	0.43	0.26	61,61,61,61	0
87	MG	2	1901	1/1	0.52	0.40	87,87,87,87	0
87	MG	6	1924	1/1	0.53	0.61	84,84,84,84	0
87	MG	2	1963	1/1	0.54	0.31	95,95,95,95	0
87	MG	1	3605	1/1	0.54	0.46	55,55,55,55	0
87	MG	1	3427	1/1	0.56	0.32	53,53,53,53	0
87	MG	6	1988	1/1	0.56	0.78	61,61,61,61	0
87	MG	N3	202	1/1	0.57	0.19	65,65,65,65	0
87	MG	5	3621	1/1	0.57	0.55	99,99,99,99	0
87	MG	5	3749	1/1	0.58	0.27	70,70,70,70	0
87	MG	M3	201	1/1	0.59	0.44	97,97,97,97	0
87	MG	M8	201	1/1	0.60	0.42	51,51,51,51	0
87	MG	5	3531	1/1	0.60	0.24	48,48,48,48	0
87	MG	4	217	1/1	0.61	0.26	60,60,60,60	0
87	MG	2	1975	1/1	0.61	0.17	74,74,74,74	0
87	MG	2	1949	1/1	0.61	0.31	90,90,90,90	0
87	MG	5	3785	1/1	0.61	0.28	52,52,52,52	0
87	MG	1	3451	1/1	0.62	0.46	64,64,64,64	0
87	MG	1	3718	1/1	0.62	0.38	108,108,108,108	0
87	MG	6	1917	1/1	0.62	0.45	78,78,78,78	0
87	MG	8	212	1/1	0.62	0.31	67,67,67,67	0
87	MG	5	3682	1/1	0.63	0.53	50,50,50,50	0
87	MG	1	3719	1/1	0.66	0.29	58,58,58,58	0
87	MG	S4	301	1/1	0.66	2.12	88,88,88,88	0
87	MG	5	3701	1/1	0.67	0.26	48,48,48,48	0
87	MG	2	1912	1/1	0.68	0.47	88,88,88,88	0
87	MG	5	3569	1/1	0.68	0.37	40,40,40,40	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
87	MG	6	2007	1/1	0.69	0.56	100,100,100,100	0
87	MG	5	3757	1/1	0.69	0.23	59,59,59,59	0
87	MG	3	208	1/1	0.69	0.27	67,67,67,67	0
87	MG	1	3675	1/1	0.69	0.36	65,65,65,65	0
88	OHX	3	219	7/7	0.69	0.33	78,78,78,78	5
87	MG	5	3402	1/1	0.70	0.33	47,47,47,47	0
87	MG	5	3739	1/1	0.70	0.35	63,63,63,63	0
87	MG	1	3604	1/1	0.70	0.64	90,90,90,90	0
87	MG	2	1970	1/1	0.70	0.20	91,91,91,91	0
87	MG	1	3662	1/1	0.70	0.28	43,43,43,43	0
87	MG	5	3623	1/1	0.70	0.65	95,95,95,95	0
87	MG	1	3597	1/1	0.70	0.14	68,68,68,68	0
88	OHX	6	2185	7/7	0.70	0.28	75,75,75,75	4
87	MG	6	1991	1/1	0.71	0.29	65,65,65,65	0
87	MG	2	1941	1/1	0.71	0.15	81,81,81,81	0
87	MG	1	3660	1/1	0.71	0.20	52,52,52,52	0
87	MG	1	3407	1/1	0.71	0.19	52,52,52,52	0
87	MG	5	3641	1/1	0.72	0.23	39,39,39,39	0
88	OHX	6	2181	7/7	0.72	0.79	92,92,92,92	5
87	MG	2	1942	1/1	0.72	0.29	77,77,77,77	0
87	MG	M7	201	1/1	0.73	0.45	73,73,73,73	0
87	MG	5	3648	1/1	0.73	0.26	55,55,55,55	0
88	OHX	1	3966	7/7	0.73	0.29	55,55,55,55	2
87	MG	5	3668	1/1	0.73	0.29	64,64,64,64	0
87	MG	5	3755	1/1	0.73	0.17	64,64,64,64	0
87	MG	5	3467	1/1	0.73	0.23	125,125,125,125	0
88	OHX	5	4138	7/7	0.73	0.26	138,138,138,138	6
87	MG	6	1915	1/1	0.74	0.27	82,82,82,82	0
87	MG	s8	301	1/1	0.74	0.31	63,63,63,63	0
87	MG	1	3670	1/1	0.74	0.37	44,44,44,44	0
87	MG	5	3775	1/1	0.74	0.21	63,63,63,63	0
87	MG	2	1909	1/1	0.74	0.33	84,84,84,84	0
87	MG	6	1979	1/1	0.74	0.19	54,54,54,54	0
87	MG	1	3679	1/1	0.74	0.30	45,45,45,45	0
87	MG	5	3706	1/1	0.74	0.39	69,69,69,69	0
87	MG	5	3734	1/1	0.74	0.69	93,93,93,93	0
87	MG	5	3736	1/1	0.74	0.42	80,80,80,80	0
87	MG	6	1914	1/1	0.74	0.23	78,78,78,78	0
88	OHX	5	4147	7/7	0.74	0.45	52,52,52,52	5
89	ZN	D7	101	1/1	0.74	0.33	152,152,152,152	0
87	MG	5	3440	1/1	0.75	0.50	81,81,81,81	0
88	OHX	1	4101	7/7	0.75	0.26	85,85,85,85	6

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
87	MG	2	1976	1/1	0.75	0.18	75,75,75,75	0
87	MG	5	3722	1/1	0.75	0.71	46,46,46,46	1
87	MG	6	1973	1/1	0.75	0.38	102,102,102,102	0
88	OHX	5	4091	7/7	0.75	0.38	34,34,34,34	4
88	OHX	5	4137	7/7	0.75	0.28	96,96,96,96	6
87	MG	1	3680	1/1	0.75	0.31	66,66,66,66	0
87	MG	1	3700	1/1	0.75	0.22	63,63,63,63	0
87	MG	o2	202	1/1	0.75	0.17	52,52,52,52	0
87	MG	5	3502	1/1	0.76	0.28	44,44,44,44	0
87	MG	6	1974	1/1	0.76	0.53	94,94,94,94	0
87	MG	5	3684	1/1	0.76	0.17	75,75,75,75	0
87	MG	1	3406	1/1	0.76	0.23	48,48,48,48	0
87	MG	5	3768	1/1	0.76	0.29	62,62,62,62	0
87	MG	1	3413	1/1	0.76	0.18	66,66,66,66	0
87	MG	5	3416	1/1	0.76	0.12	49,49,49,49	0
87	MG	5	3786	1/1	0.76	0.49	90,90,90,90	0
87	MG	6	1989	1/1	0.76	0.26	81,81,81,81	0
87	MG	1	3468	1/1	0.76	0.17	48,48,48,48	0
87	MG	6	2012	1/1	0.77	0.14	72,72,72,72	0
87	MG	1	3747	1/1	0.77	0.35	55,55,55,55	0
87	MG	c7	201	1/1	0.77	0.32	78,78,78,78	0
87	MG	1	4110	1/1	0.77	0.15	73,73,73,73	0
87	MG	1	3681	1/1	0.77	0.30	54,54,54,54	0
88	OHX	1	4050	7/7	0.77	0.27	106,106,106,106	5
87	MG	1	3405	1/1	0.77	0.70	118,118,118,118	0
87	MG	6	1961	1/1	0.77	0.19	68,68,68,68	0
87	MG	4	218	1/1	0.77	0.28	41,41,41,41	0
87	MG	1	3711	1/1	0.77	0.72	59,59,59,59	1
87	MG	1	3484	1/1	0.77	0.37	81,81,81,81	0
87	MG	2	1930	1/1	0.77	0.17	76,76,76,76	0
87	MG	1	3598	1/1	0.77	0.40	70,70,70,70	0
87	MG	N8	203	1/1	0.77	0.23	52,52,52,52	0
87	MG	6	1912	1/1	0.77	0.26	59,59,59,59	0
88	OHX	2	2135	7/7	0.78	0.25	194,194,194,194	7
87	MG	5	3691	1/1	0.78	0.30	52,52,52,52	0
87	MG	6	1945	1/1	0.78	0.36	66,66,66,66	0
87	MG	1	3635	1/1	0.78	0.31	61,61,61,61	0
87	MG	6	1998	1/1	0.78	0.20	55,55,55,55	0
87	MG	1	3721	1/1	0.78	0.18	60,60,60,60	0
87	MG	2	1959	1/1	0.78	0.37	84,84,84,84	0
87	MG	5	3790	1/1	0.78	0.27	70,70,70,70	0
87	MG	7	213	1/1	0.78	0.48	60,60,60,60	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
87	MG	1	3621	1/1	0.78	0.21	56,56,56,56	0
87	MG	O7	102	1/1	0.78	0.56	67,67,67,67	0
87	MG	f	1003	1/1	0.78	0.20	50,50,50,50	0
87	MG	5	3432	1/1	0.79	0.21	46,46,46,46	0
87	MG	1	3530	1/1	0.79	0.38	63,63,63,63	0
88	OHX	2	2147	7/7	0.79	0.30	102,102,102,102	6
87	MG	2	1919	1/1	0.79	0.27	70,70,70,70	0
87	MG	1	3666	1/1	0.79	0.25	66,66,66,66	0
88	OHX	1	4097	7/7	0.79	0.31	74,74,74,74	5
87	MG	2	1979	1/1	0.79	0.18	68,68,68,68	0
87	MG	2	1980	1/1	0.79	0.26	89,89,89,89	0
87	MG	2	1944	1/1	0.79	0.24	80,80,80,80	0
87	MG	5	3789	1/1	0.79	0.23	59,59,59,59	0
87	MG	1	3613	1/1	0.79	0.35	60,60,60,60	0
87	MG	2	1960	1/1	0.79	0.37	75,75,75,75	0
87	MG	5	3737	1/1	0.79	0.16	51,51,51,51	0
87	MG	2	1906	1/1	0.79	0.17	67,67,67,67	0
87	MG	o4	201	1/1	0.79	0.26	50,50,50,50	0
87	MG	N0	201	1/1	0.80	0.24	51,51,51,51	0
87	MG	8	210	1/1	0.80	0.10	86,86,86,86	0
87	MG	5	3464	1/1	0.80	0.35	118,118,118,118	0
87	MG	5	3702	1/1	0.80	0.26	62,62,62,62	0
87	MG	1	3421	1/1	0.80	0.30	44,44,44,44	0
87	MG	5	3497	1/1	0.80	0.68	48,48,48,48	1
87	MG	6	1951	1/1	0.80	0.45	74,74,74,74	0
88	OHX	2	2146	7/7	0.80	0.44	82,82,82,82	5
87	MG	S9	201	1/1	0.80	0.35	99,99,99,99	0
88	OHX	2	2149	7/7	0.80	0.21	134,134,134,134	6
88	OHX	1	3869	7/7	0.80	0.37	56,56,56,56	4
87	MG	1	3696	1/1	0.80	0.23	62,62,62,62	0
87	MG	1	3609	1/1	0.80	0.24	44,44,44,44	0
87	MG	5	3742	1/1	0.80	0.35	61,61,61,61	0
87	MG	d3	201	1/1	0.80	0.20	60,60,60,60	0
87	MG	5	3625	1/1	0.80	0.31	52,52,52,52	0
87	MG	5	3639	1/1	0.80	0.41	69,69,69,69	0
87	MG	1	3723	1/1	0.80	0.21	70,70,70,70	0
87	MG	5	3412	1/1	0.80	0.28	37,37,37,37	0
87	MG	5	3657	1/1	0.80	0.21	42,42,42,42	0
87	MG	1	3726	1/1	0.80	0.22	60,60,60,60	0
88	OHX	5	4142	7/7	0.80	0.52	37,37,37,37	6
87	MG	5	3421	1/1	0.80	0.39	63,63,63,63	0
87	MG	1	3443	1/1	0.80	0.36	36,36,36,36	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
87	MG	1	3704	1/1	0.81	0.21	53,53,53,53	0
87	MG	m6	202	1/1	0.81	0.30	52,52,52,52	0
87	MG	1	3450	1/1	0.81	0.32	62,62,62,62	0
87	MG	5	3486	1/1	0.81	0.25	45,45,45,45	0
87	MG	5	3490	1/1	0.81	0.15	51,51,51,51	0
87	MG	2	1902	1/1	0.81	0.24	59,59,59,59	0
88	OHX	2	2137	7/7	0.81	0.13	148,148,148,148	6
87	MG	6	2005	1/1	0.81	0.64	72,72,72,72	0
87	MG	5	3735	1/1	0.81	0.23	49,49,49,49	1
87	MG	6	1936	1/1	0.81	0.20	59,59,59,59	0
87	MG	5	3548	1/1	0.81	0.36	45,45,45,45	0
87	MG	1	3463	1/1	0.81	0.27	51,51,51,51	0
87	MG	5	3601	1/1	0.81	0.21	55,55,55,55	0
87	MG	6	2188	1/1	0.81	0.06	81,81,81,81	0
87	MG	1	3423	1/1	0.81	0.26	49,49,49,49	0
87	MG	6	1959	1/1	0.81	0.22	80,80,80,80	0
88	OHX	M7	204	7/7	0.81	0.56	43,43,43,43	4
88	OHX	6	2167	7/7	0.81	0.36	48,48,48,48	2
87	MG	N9	101	1/1	0.81	0.25	33,33,33,33	0
87	MG	6	1969	1/1	0.81	0.23	73,73,73,73	0
87	MG	2	1926	1/1	0.81	0.33	61,61,61,61	0
88	OHX	5	4132	7/7	0.81	0.28	72,72,72,72	5
87	MG	Q2	502	1/1	0.81	0.20	72,72,72,72	0
87	MG	L6	201	1/1	0.81	0.26	53,53,53,53	0
87	MG	6	1985	1/1	0.81	0.16	90,90,90,90	0
87	MG	5	3683	1/1	0.81	0.23	41,41,41,41	0
88	OHX	8	230	7/7	0.81	0.33	65,65,65,65	5
88	OHX	m7	204	7/7	0.81	0.42	50,50,50,50	4
87	MG	1	3418	1/1	0.81	0.49	78,78,78,78	0
89	ZN	e1	501	1/1	0.81	0.06	168,168,168,168	0
87	MG	5	3792	1/1	0.82	0.33	44,44,44,44	1
88	OHX	1	4069	7/7	0.82	0.36	51,51,51,51	3
88	OHX	1	4072	7/7	0.82	0.24	68,68,68,68	5
87	MG	6	1919	1/1	0.82	0.13	66,66,66,66	0
87	MG	8	207	1/1	0.82	0.19	50,50,50,50	0
87	MG	5	3499	1/1	0.82	0.22	50,50,50,50	0
87	MG	1	3708	1/1	0.82	0.25	50,50,50,50	0
87	MG	5	3670	1/1	0.82	1.34	36,36,36,36	1
87	MG	6	1908	1/1	0.82	0.30	58,58,58,58	0
87	MG	2	1905	1/1	0.82	0.19	65,65,65,65	0
88	OHX	5	4019	7/7	0.82	0.36	60,60,60,60	5
87	MG	4	203	1/1	0.82	0.40	52,52,52,52	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
88	OHX	2	2126	7/7	0.82	0.26	111,111,111,111	5
88	OHX	5	4136	7/7	0.82	0.36	85,85,85,85	6
87	MG	5	3459	1/1	0.82	0.17	43,43,43,43	0
87	MG	4	216	1/1	0.82	0.17	65,65,65,65	0
87	MG	1	3431	1/1	0.82	0.12	52,52,52,52	0
87	MG	5	3476	1/1	0.82	0.15	46,46,46,46	0
88	OHX	5	4159	7/7	0.82	0.17	162,162,162,162	7
87	MG	6	1967	1/1	0.82	0.21	64,64,64,64	0
88	OHX	2	2152	7/7	0.82	0.18	104,104,104,104	5
87	MG	5	3731	1/1	0.82	0.47	44,44,44,44	0
87	MG	6	1995	1/1	0.82	0.45	67,67,67,67	0
87	MG	6	1932	1/1	0.83	0.20	60,60,60,60	0
88	OHX	2	2144	7/7	0.83	0.38	97,97,97,97	6
87	MG	5	3619	1/1	0.83	0.30	53,53,53,53	0
87	MG	5	3419	1/1	0.83	0.30	51,51,51,51	0
87	MG	4	214	1/1	0.83	0.27	71,71,71,71	0
87	MG	2	2155	1/1	0.83	0.27	83,83,83,83	0
87	MG	2	1971	1/1	0.83	0.19	64,64,64,64	0
87	MG	5	3754	1/1	0.83	0.33	49,49,49,49	0
88	OHX	1	4030	7/7	0.83	0.23	73,73,73,73	3
87	MG	5	3446	1/1	0.83	0.33	43,43,43,43	0
88	OHX	1	4067	7/7	0.83	0.30	104,104,104,104	4
87	MG	5	3644	1/1	0.83	0.29	43,43,43,43	0
87	MG	5	3454	1/1	0.83	0.40	48,48,48,48	0
87	MG	2	1918	1/1	0.83	0.26	65,65,65,65	0
88	OHX	1	4100	7/7	0.83	0.29	71,71,71,71	3
87	MG	5	3664	1/1	0.83	0.21	44,44,44,44	0
87	MG	5	3666	1/1	0.83	0.23	39,39,39,39	0
87	MG	2	1965	1/1	0.83	0.16	81,81,81,81	0
88	OHX	6	2137	7/7	0.83	0.33	85,85,85,85	5
87	MG	6	1962	1/1	0.83	0.27	95,95,95,95	0
87	MG	6	2010	1/1	0.83	0.19	66,66,66,66	0
87	MG	7	207	1/1	0.83	0.37	40,40,40,40	0
87	MG	6	2011	1/1	0.83	0.26	79,79,79,79	0
88	OHX	5	4088	7/7	0.83	0.55	41,41,41,41	6
87	MG	1	3562	1/1	0.83	0.23	49,49,49,49	0
88	OHX	5	4099	7/7	0.83	0.24	75,75,75,75	5
88	OHX	5	4100	7/7	0.83	0.72	50,50,50,50	4
87	MG	1	3750	1/1	0.83	0.28	55,55,55,55	0
87	MG	M7	203	1/1	0.83	0.23	44,44,44,44	0
87	MG	1	3617	1/1	0.83	0.55	44,44,44,44	0
87	MG	n0	201	1/1	0.83	0.24	45,45,45,45	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
87	MG	1	3618	1/1	0.83	0.28	53,53,53,53	0
87	MG	5	3710	1/1	0.83	0.31	46,46,46,46	0
88	OHX	5	4151	7/7	0.83	0.36	60,60,60,60	6
88	OHX	5	4153	7/7	0.83	0.32	50,50,50,50	6
87	MG	6	1984	1/1	0.83	0.40	72,72,72,72	0
88	OHX	8	229	7/7	0.83	0.28	49,49,49,49	4
88	OHX	2	2117	7/7	0.83	0.20	95,95,95,95	5
87	MG	5	3552	1/1	0.83	0.39	46,46,46,46	0
88	OHX	2	2129	7/7	0.83	0.14	118,118,118,118	6
87	MG	2	1981	1/1	0.83	0.32	60,60,60,60	0
88	OHX	1	4061	7/7	0.84	0.31	53,53,53,53	3
87	MG	5	3718	1/1	0.84	0.28	59,59,59,59	0
87	MG	7	214	1/1	0.84	0.29	66,66,66,66	0
87	MG	5	3418	1/1	0.84	0.13	41,41,41,41	0
88	OHX	1	4082	7/7	0.84	0.39	44,44,44,44	4
87	MG	5	3728	1/1	0.84	0.22	47,47,47,47	0
87	MG	1	3420	1/1	0.84	0.19	39,39,39,39	0
87	MG	15	301	1/1	0.84	0.36	56,56,56,56	0
87	MG	1	3697	1/1	0.84	0.45	56,56,56,56	0
87	MG	1	3524	1/1	0.84	0.56	62,62,62,62	0
87	MG	n0	202	1/1	0.84	0.33	48,48,48,48	0
88	OHX	6	2146	7/7	0.84	0.35	53,53,53,53	3
88	OHX	6	2164	7/7	0.84	0.38	81,81,81,81	5
87	MG	2	1993	1/1	0.84	0.11	76,76,76,76	0
88	OHX	6	2180	7/7	0.84	0.13	137,137,137,137	6
87	MG	1	3678	1/1	0.84	0.34	69,69,69,69	0
87	MG	5	3667	1/1	0.84	0.36	54,54,54,54	0
88	OHX	2	2114	7/7	0.84	0.37	99,99,99,99	4
87	MG	6	1986	1/1	0.84	0.07	63,63,63,63	0
88	OHX	2	2124	7/7	0.84	0.51	88,88,88,88	7
87	MG	1	3614	1/1	0.84	0.26	55,55,55,55	0
87	MG	5	3676	1/1	0.84	0.29	62,62,62,62	0
88	OHX	5	4103	7/7	0.84	0.24	63,63,63,63	7
87	MG	5	3680	1/1	0.84	0.21	41,41,41,41	0
87	MG	5	3615	1/1	0.84	0.17	35,35,35,35	0
88	OHX	2	2139	7/7	0.84	0.29	164,164,164,164	7
87	MG	5	3767	1/1	0.84	0.49	40,40,40,40	0
87	MG	5	3616	1/1	0.84	0.26	63,63,63,63	0
87	MG	1	3536	1/1	0.84	0.32	43,43,43,43	0
87	MG	4	201	1/1	0.84	0.51	62,62,62,62	0
87	MG	5	3700	1/1	0.84	0.21	53,53,53,53	0
87	MG	6	1993	1/1	0.84	0.27	56,56,56,56	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
87	MG	1	3665	1/1	0.84	0.28	63,63,63,63	0
88	OHX	1	4027	7/7	0.84	0.33	50,50,50,50	4
87	MG	5	3636	1/1	0.84	0.11	54,54,54,54	0
88	OHX	1	4041	7/7	0.84	0.23	200,200,200,200	7
89	ZN	d7	101	1/1	0.84	0.32	142,142,142,142	0
87	MG	1	3685	1/1	0.84	0.28	50,50,50,50	0
87	MG	5	4166	1/1	0.85	0.32	68,68,68,68	0
87	MG	6	1921	1/1	0.85	0.22	71,71,71,71	0
87	MG	1	3448	1/1	0.85	0.33	54,54,54,54	0
87	MG	5	3693	1/1	0.85	0.26	47,47,47,47	0
87	MG	6	1926	1/1	0.85	0.21	57,57,57,57	0
87	MG	5	3536	1/1	0.85	0.50	36,36,36,36	0
87	MG	1	3709	1/1	0.85	0.63	44,44,44,44	0
87	MG	2	1966	1/1	0.85	0.16	90,90,90,90	0
88	OHX	1	4102	7/7	0.85	0.30	58,58,58,58	2
87	MG	5	3708	1/1	0.85	0.32	46,46,46,46	0
87	MG	1	3532	1/1	0.85	0.29	43,43,43,43	0
87	MG	2	1978	1/1	0.85	0.24	58,58,58,58	0
87	MG	1	3677	1/1	0.85	0.20	49,49,49,49	0
87	MG	1	3459	1/1	0.85	0.40	52,52,52,52	0
88	OHX	6	2165	7/7	0.85	0.22	119,119,119,119	7
87	MG	5	3730	1/1	0.85	0.28	44,44,44,44	0
88	OHX	2	2074	7/7	0.85	0.15	179,179,179,179	7
88	OHX	2	2108	7/7	0.85	0.23	83,83,83,83	3
87	MG	1	3619	1/1	0.85	0.22	49,49,49,49	0
87	MG	2	1990	1/1	0.85	0.27	74,74,74,74	0
87	MG	1	3736	1/1	0.85	0.25	54,54,54,54	0
87	MG	N8	201	1/1	0.85	0.32	57,57,57,57	0
87	MG	1	3742	1/1	0.85	0.18	68,68,68,68	0
87	MG	5	3427	1/1	0.85	0.22	40,40,40,40	0
87	MG	N8	204	1/1	0.85	0.20	56,56,56,56	0
88	OHX	5	4104	7/7	0.85	0.32	54,54,54,54	3
88	OHX	5	4111	7/7	0.85	0.29	77,77,77,77	6
87	MG	1	3745	1/1	0.85	0.23	47,47,47,47	0
87	MG	1	3402	1/1	0.85	0.39	53,53,53,53	0
87	MG	5	3451	1/1	0.85	0.14	44,44,44,44	0
87	MG	1	3637	1/1	0.85	0.27	47,47,47,47	0
87	MG	1	3694	1/1	0.85	0.35	81,81,81,81	0
87	MG	3	206	1/1	0.85	0.19	66,66,66,66	0
88	OHX	S6	301	7/7	0.85	0.20	105,105,105,105	5
88	OHX	1	3865	7/7	0.85	0.42	46,46,46,46	4
88	OHX	5	4158	7/7	0.85	0.19	49,49,49,49	1

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
87	MG	1	3644	1/1	0.85	0.21	51,51,51,51	0
87	MG	1	3659	1/1	0.85	0.34	86,86,86,86	0
87	MG	5	3481	1/1	0.85	0.60	48,48,48,48	0
88	OHX	l5	303	7/7	0.85	0.27	94,94,94,94	6
88	OHX	m0	304	7/7	0.85	0.34	44,44,44,44	5
87	MG	2	1922	1/1	0.85	0.20	60,60,60,60	0
88	OHX	m9	201	7/7	0.85	0.21	61,61,61,61	4
87	MG	1	3486	1/1	0.85	0.25	49,49,49,49	0
87	MG	6	1920	1/1	0.85	0.23	53,53,53,53	0
88	OHX	1	4060	7/7	0.85	0.30	61,61,61,61	4
87	MG	2	1904	1/1	0.86	0.53	75,75,75,75	0
87	MG	1	3638	1/1	0.86	0.40	69,69,69,69	0
87	MG	L2	302	1/1	0.86	0.19	44,44,44,44	0
88	OHX	1	4070	7/7	0.86	0.22	71,71,71,71	4
87	MG	6	1933	1/1	0.86	0.21	90,90,90,90	0
87	MG	1	3449	1/1	0.86	0.29	42,42,42,42	0
88	OHX	1	4084	7/7	0.86	0.36	47,47,47,47	4
87	MG	8	202	1/1	0.86	0.28	44,44,44,44	0
87	MG	5	3538	1/1	0.86	0.27	45,45,45,45	0
87	MG	5	3545	1/1	0.86	0.33	44,44,44,44	0
87	MG	5	3547	1/1	0.86	0.40	51,51,51,51	0
87	MG	l2	302	1/1	0.86	0.24	50,50,50,50	0
87	MG	1	3683	1/1	0.86	0.33	46,46,46,46	0
88	OHX	M9	201	7/7	0.86	0.15	75,75,75,75	3
88	OHX	6	2133	7/7	0.86	0.14	148,148,148,148	7
87	MG	2	1933	1/1	0.86	0.23	84,84,84,84	0
87	MG	5	3705	1/1	0.86	0.24	50,50,50,50	0
87	MG	1	3738	1/1	0.86	0.29	62,62,62,62	0
87	MG	o2	201	1/1	0.86	0.26	37,37,37,37	0
87	MG	2	1903	1/1	0.86	0.14	59,59,59,59	0
87	MG	5	3607	1/1	0.86	0.25	52,52,52,52	0
87	MG	1	3661	1/1	0.86	0.33	46,46,46,46	0
88	OHX	6	2182	7/7	0.86	0.21	152,152,152,152	7
88	OHX	2	2039	7/7	0.86	0.22	133,133,133,133	5
87	MG	5	3721	1/1	0.86	0.21	54,54,54,54	0
88	OHX	5	4082	7/7	0.86	0.22	99,99,99,99	5
87	MG	1	3746	1/1	0.86	0.30	56,56,56,56	0
88	OHX	5	4090	7/7	0.86	0.23	83,83,83,83	4
87	MG	2	1969	1/1	0.86	0.11	93,93,93,93	0
87	MG	1	3749	1/1	0.86	0.20	48,48,48,48	0
88	OHX	2	2121	7/7	0.86	0.41	60,60,60,60	5
87	MG	1	3535	1/1	0.86	0.49	44,44,44,44	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
87	MG	1	3751	1/1	0.86	0.26	61,61,61,61	0
87	MG	5	3626	1/1	0.86	0.24	53,53,53,53	0
87	MG	O3	201	1/1	0.86	0.94	44,44,44,44	1
87	MG	1	3462	1/1	0.86	0.38	50,50,50,50	0
87	MG	1	4113	1/1	0.86	1.27	55,55,55,55	1
87	MG	2	1962	1/1	0.86	0.20	66,66,66,66	0
87	MG	1	3674	1/1	0.86	0.64	75,75,75,75	0
87	MG	5	3653	1/1	0.86	0.20	37,37,37,37	0
87	MG	1	3563	1/1	0.86	0.47	40,40,40,40	0
88	OHX	2	2150	7/7	0.86	0.11	140,140,140,140	7
87	MG	1	3716	1/1	0.86	0.32	44,44,44,44	0
87	MG	4	207	1/1	0.86	0.17	37,37,37,37	0
87	MG	4	212	1/1	0.86	0.19	54,54,54,54	0
87	MG	5	3770	1/1	0.86	0.30	40,40,40,40	0
87	MG	1	3596	1/1	0.86	0.31	64,64,64,64	0
88	OHX	1	4011	7/7	0.86	0.26	117,117,117,117	4
87	MG	5	3783	1/1	0.86	0.30	70,70,70,70	0
87	MG	2	1950	1/1	0.86	0.30	99,99,99,99	0
87	MG	5	3671	1/1	0.86	0.17	44,44,44,44	0
87	MG	5	3672	1/1	0.86	0.19	48,48,48,48	0
87	MG	5	3673	1/1	0.86	0.11	48,48,48,48	1
87	MG	5	3780	1/1	0.87	0.39	43,43,43,43	0
87	MG	5	3484	1/1	0.87	0.14	48,48,48,48	0
88	OHX	1	4051	7/7	0.87	0.26	59,59,59,59	4
88	OHX	1	4056	7/7	0.87	0.27	74,74,74,74	4
87	MG	5	3485	1/1	0.87	0.47	73,73,73,73	0
87	MG	6	1997	1/1	0.87	0.40	122,122,122,122	0
87	MG	5	3488	1/1	0.87	0.40	34,34,34,34	0
87	MG	L3	402	1/1	0.87	0.31	58,58,58,58	0
87	MG	6	2000	1/1	0.87	0.26	47,47,47,47	0
87	MG	2	1992	1/1	0.87	0.16	86,86,86,86	0
87	MG	6	1925	1/1	0.87	0.33	52,52,52,52	0
87	MG	7	208	1/1	0.87	0.34	55,55,55,55	0
88	OHX	1	4086	7/7	0.87	0.34	136,136,136,136	7
87	MG	1	3699	1/1	0.87	0.20	48,48,48,48	0
87	MG	M3	202	1/1	0.87	0.20	44,44,44,44	0
87	MG	1	3629	1/1	0.87	0.24	52,52,52,52	0
87	MG	8	204	1/1	0.87	0.27	52,52,52,52	0
87	MG	5	3542	1/1	0.87	0.26	38,38,38,38	0
87	MG	2	1946	1/1	0.87	0.34	66,66,66,66	0
88	OHX	M8	202	7/7	0.87	0.26	49,49,49,49	2
87	MG	5	3685	1/1	0.87	0.25	44,44,44,44	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
88	OHX	6	2115	7/7	0.87	0.24	70,70,70,70	4
87	MG	1	3671	1/1	0.87	0.14	47,47,47,47	0
87	MG	2	1986	1/1	0.87	0.15	99,99,99,99	0
87	MG	5	3551	1/1	0.87	0.20	46,46,46,46	0
87	MG	1	3710	1/1	0.87	0.19	45,45,45,45	0
87	MG	5	3563	1/1	0.87	0.42	45,45,45,45	0
87	MG	2	1989	1/1	0.87	0.27	103,103,103,103	0
87	MG	5	3577	1/1	0.87	0.49	39,39,39,39	0
87	MG	5	3589	1/1	0.87	0.37	33,33,33,33	0
87	MG	5	3597	1/1	0.87	0.17	48,48,48,48	0
87	MG	3	203	1/1	0.87	0.30	38,38,38,38	0
88	OHX	5	3795	7/7	0.87	0.35	38,38,38,38	1
88	OHX	5	3996	7/7	0.87	0.29	116,116,116,116	3
87	MG	5	3719	1/1	0.87	0.11	60,60,60,60	0
88	OHX	5	4061	7/7	0.87	0.23	61,61,61,61	1
87	MG	5	3605	1/1	0.87	0.32	56,56,56,56	0
87	MG	6	1964	1/1	0.87	0.30	75,75,75,75	0
87	MG	5	3724	1/1	0.87	0.24	44,44,44,44	0
88	OHX	2	2119	7/7	0.87	0.23	84,84,84,84	3
88	OHX	5	4093	7/7	0.87	0.32	80,80,80,80	6
87	MG	5	3725	1/1	0.87	0.27	53,53,53,53	0
87	MG	5	3608	1/1	0.87	0.12	47,47,47,47	0
87	MG	1	3641	1/1	0.87	0.51	58,58,58,58	0
88	OHX	2	2128	7/7	0.87	0.33	62,62,62,62	3
87	MG	1	3642	1/1	0.87	0.25	37,37,37,37	0
88	OHX	5	4130	7/7	0.87	0.26	54,54,54,54	5
88	OHX	5	4131	7/7	0.87	0.32	59,59,59,59	2
88	OHX	2	2133	7/7	0.87	0.18	108,108,108,108	6
87	MG	1	3515	1/1	0.87	0.18	54,54,54,54	0
87	MG	O4	201	1/1	0.87	0.19	73,73,73,73	0
87	MG	1	3646	1/1	0.87	0.40	41,41,41,41	0
87	MG	6	1980	1/1	0.87	0.28	83,83,83,83	0
87	MG	5	3738	1/1	0.87	0.19	51,51,51,51	0
87	MG	1	3647	1/1	0.87	0.21	58,58,58,58	0
87	MG	5	3627	1/1	0.87	0.22	48,48,48,48	0
87	MG	1	3615	1/1	0.87	0.12	67,67,67,67	0
87	MG	5	3751	1/1	0.87	0.47	51,51,51,51	0
87	MG	2	1913	1/1	0.87	0.29	69,69,69,69	0
88	OHX	C5	201	7/7	0.87	0.20	116,116,116,116	5
87	MG	1	3690	1/1	0.87	0.15	46,46,46,46	0
87	MG	1	3528	1/1	0.87	0.30	40,40,40,40	0
87	MG	5	3645	1/1	0.87	0.27	48,48,48,48	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
88	OHX	1	3975	7/7	0.87	0.33	59,59,59,59	5
87	MG	1	3741	1/1	0.87	0.30	46,46,46,46	0
87	MG	4	219	1/1	0.87	0.35	58,58,58,58	0
87	MG	SM	301	1/1	0.87	0.30	58,58,58,58	0
87	MG	q0	202	1/1	0.88	0.41	50,50,50,50	0
88	OHX	1	4088	7/7	0.88	0.28	58,58,58,58	7
88	OHX	1	4094	7/7	0.88	0.32	60,60,60,60	3
87	MG	1	3652	1/1	0.88	0.27	46,46,46,46	0
87	MG	5	3665	1/1	0.88	0.48	39,39,39,39	1
87	MG	6	1942	1/1	0.88	0.37	78,78,78,78	0
87	MG	1	3691	1/1	0.88	0.30	65,65,65,65	0
88	OHX	1	4103	7/7	0.88	0.34	46,46,46,46	4
88	OHX	1	4104	7/7	0.88	0.27	56,56,56,56	5
87	MG	5	3745	1/1	0.88	0.22	39,39,39,39	0
88	OHX	4	230	7/7	0.88	0.30	47,47,47,47	3
88	OHX	4	235	7/7	0.88	0.28	59,59,59,59	3
88	OHX	M0	303	7/7	0.88	0.19	97,97,97,97	7
87	MG	1	3655	1/1	0.88	0.20	44,44,44,44	0
87	MG	1	3494	1/1	0.88	0.57	51,51,51,51	0
87	MG	2	2154	1/1	0.88	0.21	105,105,105,105	0
88	OHX	6	2102	7/7	0.88	0.29	69,69,69,69	3
88	OHX	6	2109	7/7	0.88	0.20	100,100,100,100	5
87	MG	5	3408	1/1	0.88	0.31	48,48,48,48	0
87	MG	5	3756	1/1	0.88	0.42	39,39,39,39	0
88	OHX	6	2134	7/7	0.88	0.18	88,88,88,88	6
88	OHX	6	2136	7/7	0.88	0.20	165,165,165,165	7
88	OHX	2	2127	7/7	0.88	0.15	146,146,146,146	6
88	OHX	6	2140	7/7	0.88	0.19	119,119,119,119	7
87	MG	1	3519	1/1	0.88	0.33	55,55,55,55	0
88	OHX	6	2160	7/7	0.88	0.18	98,98,98,98	7
87	MG	5	3674	1/1	0.88	0.29	50,50,50,50	0
87	MG	N6	201	1/1	0.88	0.33	64,64,64,64	0
87	MG	5	3564	1/1	0.88	0.38	33,33,33,33	0
88	OHX	6	2170	7/7	0.88	0.25	76,76,76,76	6
87	MG	2	1987	1/1	0.88	0.36	96,96,96,96	0
87	MG	1	3702	1/1	0.88	0.45	42,42,42,42	0
87	MG	1	3754	1/1	0.88	0.22	39,39,39,39	0
88	OHX	2	2145	7/7	0.88	0.19	88,88,88,88	3
87	MG	1	3703	1/1	0.88	0.21	59,59,59,59	0
88	OHX	5	3909	7/7	0.88	0.32	54,54,54,54	3
88	OHX	5	3923	7/7	0.88	0.38	37,37,37,37	4
87	MG	1	3446	1/1	0.88	0.31	53,53,53,53	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
87	MG	5	3692	1/1	0.88	0.18	59,59,59,59	0
88	OHX	5	4041	7/7	0.88	0.29	47,47,47,47	3
87	MG	1	3411	1/1	0.88	0.24	46,46,46,46	0
88	OHX	5	4070	7/7	0.88	0.26	69,69,69,69	3
88	OHX	2	2151	7/7	0.88	0.28	109,109,109,109	6
87	MG	2	1937	1/1	0.88	0.25	66,66,66,66	0
88	OHX	5	4089	7/7	0.88	0.37	67,67,67,67	5
87	MG	5	4160	1/1	0.88	0.29	39,39,39,39	0
88	OHX	S9	202	7/7	0.88	0.50	87,87,87,87	5
87	MG	5	3449	1/1	0.88	0.26	37,37,37,37	0
88	OHX	5	4095	7/7	0.88	0.28	60,60,60,60	4
88	OHX	1	3846	7/7	0.88	0.37	43,43,43,43	3
87	MG	1	3416	1/1	0.88	0.39	42,42,42,42	0
87	MG	1	3417	1/1	0.88	0.26	50,50,50,50	0
88	OHX	1	3956	7/7	0.88	0.28	65,65,65,65	3
87	MG	7	209	1/1	0.88	0.15	59,59,59,59	0
87	MG	7	211	1/1	0.88	0.26	52,52,52,52	0
88	OHX	1	3990	7/7	0.88	0.25	80,80,80,80	4
87	MG	1	3713	1/1	0.88	0.44	72,72,72,72	0
88	OHX	5	4134	7/7	0.88	0.24	50,50,50,50	6
88	OHX	1	4020	7/7	0.88	0.32	46,46,46,46	4
87	MG	1	3714	1/1	0.88	0.26	46,46,46,46	0
87	MG	2	1957	1/1	0.88	0.14	74,74,74,74	0
88	OHX	5	4139	7/7	0.88	0.29	58,58,58,58	5
88	OHX	1	4038	7/7	0.88	0.27	83,83,83,83	4
87	MG	1	3419	1/1	0.88	0.32	47,47,47,47	0
87	MG	6	1994	1/1	0.88	0.75	57,57,57,57	1
88	OHX	5	4152	7/7	0.88	0.35	50,50,50,50	3
87	MG	1	3593	1/1	0.88	0.22	48,48,48,48	0
88	OHX	5	4155	7/7	0.88	0.24	58,58,58,58	4
87	MG	D9	102	1/1	0.88	0.22	90,90,90,90	0
87	MG	2	1934	1/1	0.88	0.37	93,93,93,93	0
87	MG	6	1999	1/1	0.88	0.29	57,57,57,57	0
87	MG	5	3642	1/1	0.88	0.45	54,54,54,54	0
87	MG	1	3473	1/1	0.88	0.36	58,58,58,58	0
87	MG	2	1945	1/1	0.88	0.38	90,90,90,90	0
87	MG	1	3729	1/1	0.88	0.15	55,55,55,55	0
88	OHX	1	4073	7/7	0.88	0.21	55,55,55,55	2
87	MG	2	2153	1/1	0.88	0.17	77,77,77,77	0
87	MG	1	3689	1/1	0.88	0.24	55,55,55,55	0
88	OHX	1	4085	7/7	0.88	0.31	42,42,42,42	3
87	MG	5	3617	1/1	0.89	0.29	35,35,35,35	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
88	OHX	6	2110	7/7	0.89	0.26	65,65,65,65	3
87	MG	5	3793	1/1	0.89	0.30	49,49,49,49	0
88	OHX	6	2117	7/7	0.89	0.24	94,94,94,94	5
88	OHX	6	2127	7/7	0.89	0.21	98,98,98,98	5
87	MG	L3	403	1/1	0.89	0.11	52,52,52,52	0
87	MG	5	4161	1/1	0.89	0.14	39,39,39,39	0
87	MG	1	3552	1/1	0.89	0.41	52,52,52,52	0
87	MG	7	206	1/1	0.89	0.52	54,54,54,54	0
87	MG	L7	302	1/1	0.89	0.22	47,47,47,47	0
88	OHX	6	2144	7/7	0.89	0.19	139,139,139,139	7
87	MG	2	1974	1/1	0.89	0.24	71,71,71,71	0
88	OHX	6	2151	7/7	0.89	0.22	58,58,58,58	4
87	MG	d6	102	1/1	0.89	0.73	65,65,65,65	0
87	MG	1	3412	1/1	0.89	0.29	46,46,46,46	0
87	MG	7	212	1/1	0.89	0.52	70,70,70,70	0
88	OHX	1	3899	7/7	0.89	0.44	50,50,50,50	5
87	MG	M6	201	1/1	0.89	0.21	47,47,47,47	0
88	OHX	6	2173	7/7	0.89	0.17	88,88,88,88	6
88	OHX	6	2175	7/7	0.89	0.23	57,57,57,57	5
88	OHX	6	2176	7/7	0.89	0.32	63,63,63,63	4
88	OHX	1	3965	7/7	0.89	0.24	64,64,64,64	5
87	MG	5	3637	1/1	0.89	0.32	57,57,57,57	0
87	MG	1	3568	1/1	0.89	0.45	40,40,40,40	0
88	OHX	1	3976	7/7	0.89	0.28	83,83,83,83	4
88	OHX	1	3989	7/7	0.89	0.27	78,78,78,78	3
87	MG	1	3591	1/1	0.89	0.29	52,52,52,52	0
88	OHX	5	3915	7/7	0.89	0.26	127,127,127,127	5
87	MG	2	1915	1/1	0.89	0.25	78,78,78,78	0
88	OHX	5	3993	7/7	0.89	0.30	58,58,58,58	3
88	OHX	1	4015	7/7	0.89	0.28	52,52,52,52	4
87	MG	5	3726	1/1	0.89	0.24	47,47,47,47	0
87	MG	8	211	1/1	0.89	0.23	56,56,56,56	0
87	MG	5	3643	1/1	0.89	0.12	60,60,60,60	0
88	OHX	1	4031	7/7	0.89	0.21	116,116,116,116	3
88	OHX	5	4071	7/7	0.89	0.31	42,42,42,42	4
87	MG	1	3730	1/1	0.89	0.19	72,72,72,72	0
87	MG	1	3654	1/1	0.89	0.22	56,56,56,56	0
87	MG	5	3426	1/1	0.89	0.27	65,65,65,65	0
87	MG	N3	203	1/1	0.89	0.18	55,55,55,55	0
87	MG	5	3546	1/1	0.89	0.31	56,56,56,56	0
87	MG	2	1911	1/1	0.89	0.26	65,65,65,65	0
87	MG	4	211	1/1	0.89	0.36	66,66,66,66	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
88	OHX	1	4064	7/7	0.89	0.23	62,62,62,62	5
87	MG	5	3443	1/1	0.89	0.17	46,46,46,46	0
87	MG	5	3444	1/1	0.89	0.49	55,55,55,55	0
87	MG	1	3437	1/1	0.89	0.18	51,51,51,51	0
87	MG	5	3748	1/1	0.89	0.12	45,45,45,45	0
88	OHX	5	4124	7/7	0.89	0.12	163,163,163,163	7
88	OHX	5	4129	7/7	0.89	0.26	58,58,58,58	3
88	OHX	2	2065	7/7	0.89	0.24	117,117,117,117	3
87	MG	5	3669	1/1	0.89	0.25	76,76,76,76	0
88	OHX	2	2107	7/7	0.89	0.15	108,108,108,108	4
87	MG	1	3622	1/1	0.89	0.21	44,44,44,44	0
87	MG	5	3450	1/1	0.89	0.34	48,48,48,48	0
87	MG	1	3439	1/1	0.89	0.43	55,55,55,55	0
87	MG	1	3712	1/1	0.89	0.27	40,40,40,40	0
87	MG	5	3594	1/1	0.89	0.42	36,36,36,36	0
88	OHX	1	4099	7/7	0.89	0.26	72,72,72,72	6
87	MG	5	3763	1/1	0.89	0.18	41,41,41,41	0
88	OHX	5	4149	7/7	0.89	0.19	101,101,101,101	7
87	MG	5	3595	1/1	0.89	0.41	35,35,35,35	0
87	MG	1	3599	1/1	0.89	0.26	61,61,61,61	0
87	MG	5	3599	1/1	0.89	0.20	42,42,42,42	0
88	OHX	5	4154	7/7	0.89	0.28	42,42,42,42	3
87	MG	5	3462	1/1	0.89	0.16	39,39,39,39	0
88	OHX	5	4156	7/7	0.89	0.25	78,78,78,78	7
87	MG	1	3664	1/1	0.89	0.19	60,60,60,60	0
87	MG	5	3781	1/1	0.89	0.64	56,56,56,56	0
87	MG	5	3465	1/1	0.89	0.30	36,36,36,36	0
88	OHX	L5	301	7/7	0.89	0.38	81,81,81,81	7
88	OHX	l3	404	7/7	0.89	0.24	71,71,71,71	3
88	OHX	l5	302	7/7	0.89	0.23	105,105,105,105	5
87	MG	5	3466	1/1	0.89	0.24	44,44,44,44	0
88	OHX	2	2142	7/7	0.89	0.43	101,101,101,101	6
87	MG	5	3610	1/1	0.89	0.51	45,45,45,45	0
87	MG	1	3456	1/1	0.89	0.38	33,33,33,33	0
88	OHX	o9	102	7/7	0.89	0.34	47,47,47,47	5
88	OHX	O9	101	7/7	0.89	0.41	47,47,47,47	4
88	OHX	6	2071	7/7	0.89	0.37	57,57,57,57	3
87	MG	1	3458	1/1	0.89	0.41	43,43,43,43	0
87	MG	1	3625	1/1	0.90	0.20	56,56,56,56	0
87	MG	4	210	1/1	0.90	0.35	61,61,61,61	0
88	OHX	1	4055	7/7	0.90	0.30	71,71,71,71	5
87	MG	5	4163	1/1	0.90	0.25	34,34,34,34	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
87	MG	1	3627	1/1	0.90	0.28	44,44,44,44	0
87	MG	1	3698	1/1	0.90	0.41	57,57,57,57	0
87	MG	1	3748	1/1	0.90	0.30	45,45,45,45	0
87	MG	5	3677	1/1	0.90	0.15	69,69,69,69	0
87	MG	2	1953	1/1	0.90	0.33	65,65,65,65	0
88	OHX	c5	800	7/7	0.90	0.26	117,117,117,117	5
88	OHX	sR	401	7/7	0.90	0.23	125,125,125,125	5
87	MG	5	3550	1/1	0.90	0.31	37,37,37,37	0
87	MG	5	3632	1/1	0.90	0.29	51,51,51,51	0
87	MG	2	1977	1/1	0.90	0.24	83,83,83,83	0
88	OHX	1	4076	7/7	0.90	0.83	48,48,48,48	3
88	OHX	1	4079	7/7	0.90	0.20	120,120,120,120	7
88	OHX	1	4080	7/7	0.90	0.22	60,60,60,60	5
88	OHX	1	4081	7/7	0.90	0.34	61,61,61,61	5
88	OHX	5	4025	7/7	0.90	0.23	133,133,133,133	6
88	OHX	5	4028	7/7	0.90	0.35	39,39,39,39	3
88	OHX	5	4037	7/7	0.90	0.25	62,62,62,62	6
87	MG	2	1923	1/1	0.90	0.15	89,89,89,89	0
88	OHX	5	4044	7/7	0.90	0.26	54,54,54,54	3
87	MG	5	3690	1/1	0.90	0.51	68,68,68,68	0
87	MG	1	3475	1/1	0.90	0.25	49,49,49,49	0
87	MG	L2	301	1/1	0.90	0.15	43,43,43,43	0
88	OHX	5	4079	7/7	0.90	0.25	45,45,45,45	3
88	OHX	5	4081	7/7	0.90	0.53	72,72,72,72	4
87	MG	6	1928	1/1	0.90	0.24	70,70,70,70	0
88	OHX	1	4090	7/7	0.90	0.24	46,46,46,46	4
87	MG	5	3699	1/1	0.90	0.25	35,35,35,35	0
87	MG	6	1930	1/1	0.90	0.10	63,63,63,63	0
87	MG	5	3760	1/1	0.90	0.31	48,48,48,48	0
87	MG	5	3761	1/1	0.90	1.13	41,41,41,41	1
87	MG	m6	201	1/1	0.90	0.36	42,42,42,42	0
88	OHX	5	4098	7/7	0.90	0.18	74,74,74,74	6
88	OHX	C3	201	7/7	0.90	0.26	94,94,94,94	3
87	MG	5	3477	1/1	0.90	0.22	76,76,76,76	0
87	MG	2	1938	1/1	0.90	0.21	67,67,67,67	0
88	OHX	1	4105	7/7	0.90	0.17	98,98,98,98	3
87	MG	2	1931	1/1	0.90	0.33	70,70,70,70	0
88	OHX	5	4117	7/7	0.90	0.34	36,36,36,36	2
88	OHX	5	4122	7/7	0.90	0.40	55,55,55,55	4
87	MG	n8	203	1/1	0.90	0.20	45,45,45,45	0
88	OHX	5	4125	7/7	0.90	0.25	51,51,51,51	3
87	MG	n9	102	1/1	0.90	0.61	41,41,41,41	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
88	OHX	1	3924	7/7	0.90	0.32	64,64,64,64	4
88	OHX	1	3950	7/7	0.90	0.31	99,99,99,99	5
87	MG	5	3651	1/1	0.90	0.37	45,45,45,45	0
87	MG	5	3773	1/1	0.90	0.53	40,40,40,40	0
87	MG	6	1992	1/1	0.90	0.26	84,84,84,84	0
88	OHX	O7	105	7/7	0.90	0.33	76,76,76,76	4
87	MG	5	3777	1/1	0.90	0.13	67,67,67,67	0
87	MG	1	3436	1/1	0.90	0.24	40,40,40,40	0
88	OHX	6	2088	7/7	0.90	0.26	107,107,107,107	3
88	OHX	1	3984	7/7	0.90	0.30	72,72,72,72	4
87	MG	5	3662	1/1	0.90	0.12	55,55,55,55	0
88	OHX	2	2052	7/7	0.90	0.18	94,94,94,94	3
88	OHX	6	2111	7/7	0.90	0.29	94,94,94,94	7
88	OHX	1	4001	7/7	0.90	0.17	200,200,200,200	7
88	OHX	1	4002	7/7	0.90	0.25	55,55,55,55	2
88	OHX	2	2062	7/7	0.90	0.22	93,93,93,93	4
88	OHX	6	2129	7/7	0.90	0.22	58,58,58,58	3
87	MG	6	1937	1/1	0.90	0.24	71,71,71,71	0
88	OHX	1	4018	7/7	0.90	0.30	42,42,42,42	1
88	OHX	7	226	7/7	0.90	0.35	61,61,61,61	4
88	OHX	8	224	7/7	0.90	0.28	46,46,46,46	4
87	MG	1	3500	1/1	0.90	0.43	40,40,40,40	0
88	OHX	1	4022	7/7	0.90	0.32	50,50,50,50	4
87	MG	1	3546	1/1	0.90	0.18	48,48,48,48	0
87	MG	1	3692	1/1	0.90	0.36	58,58,58,58	1
87	MG	6	1905	1/1	0.90	0.18	67,67,67,67	0
87	MG	1	3506	1/1	0.90	0.30	51,51,51,51	0
88	OHX	6	2152	7/7	0.90	0.29	87,87,87,87	5
88	OHX	6	2158	7/7	0.90	0.25	70,70,70,70	1
88	OHX	1	4040	7/7	0.90	0.20	59,59,59,59	2
88	OHX	6	2161	7/7	0.90	0.17	133,133,133,133	7
87	MG	6	2002	1/1	0.90	0.21	55,55,55,55	0
88	OHX	1	4043	7/7	0.90	0.18	125,125,125,125	6
88	OHX	6	2155	7/7	0.91	0.14	108,108,108,108	5
88	OHX	2	2051	7/7	0.91	0.17	136,136,136,136	4
87	MG	D4	201	1/1	0.91	0.33	69,69,69,69	0
88	OHX	1	4032	7/7	0.91	0.23	56,56,56,56	5
88	OHX	1	4033	7/7	0.91	0.34	52,52,52,52	5
88	OHX	2	2057	7/7	0.91	0.20	96,96,96,96	3
88	OHX	6	2166	7/7	0.91	0.40	65,65,65,65	5
88	OHX	1	4039	7/7	0.91	0.23	76,76,76,76	5
88	OHX	6	2168	7/7	0.91	0.25	72,72,72,72	3

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
88	OHX	6	2169	7/7	0.91	0.16	61,61,61,61	5
87	MG	1	3403	1/1	0.91	0.17	43,43,43,43	0
88	OHX	2	2064	7/7	0.91	0.29	79,79,79,79	3
88	OHX	1	4042	7/7	0.91	0.36	52,52,52,52	5
87	MG	1	3557	1/1	0.91	0.36	33,33,33,33	0
88	OHX	6	2177	7/7	0.91	0.26	68,68,68,68	5
87	MG	5	3575	1/1	0.91	0.48	42,42,42,42	0
88	OHX	2	2087	7/7	0.91	0.23	100,100,100,100	6
88	OHX	2	2094	7/7	0.91	0.23	79,79,79,79	5
88	OHX	2	2096	7/7	0.91	0.21	100,100,100,100	4
88	OHX	1	4057	7/7	0.91	0.25	77,77,77,77	3
88	OHX	1	4059	7/7	0.91	0.24	65,65,65,65	4
88	OHX	2	2100	7/7	0.91	0.23	70,70,70,70	5
88	OHX	2	2106	7/7	0.91	0.17	108,108,108,108	5
88	OHX	1	4062	7/7	0.91	0.30	39,39,39,39	3
87	MG	1	3616	1/1	0.91	0.23	44,44,44,44	0
88	OHX	5	3962	7/7	0.91	0.28	61,61,61,61	4
87	MG	1	3464	1/1	0.91	0.24	39,39,39,39	0
87	MG	6	1949	1/1	0.91	0.28	80,80,80,80	0
87	MG	5	3457	1/1	0.91	0.29	34,34,34,34	0
87	MG	5	3678	1/1	0.91	0.22	52,52,52,52	0
87	MG	6	2003	1/1	0.91	0.68	51,51,51,51	0
88	OHX	5	4034	7/7	0.91	0.22	72,72,72,72	3
88	OHX	5	4036	7/7	0.91	0.24	47,47,47,47	3
88	OHX	1	4074	7/7	0.91	0.20	156,156,156,156	7
88	OHX	1	4075	7/7	0.91	0.34	74,74,74,74	5
87	MG	O3	202	1/1	0.91	0.26	40,40,40,40	0
88	OHX	5	4054	7/7	0.91	0.26	46,46,46,46	2
87	MG	5	3463	1/1	0.91	0.25	56,56,56,56	0
87	MG	5	3604	1/1	0.91	0.21	39,39,39,39	0
87	MG	1	3467	1/1	0.91	0.27	54,54,54,54	0
87	MG	5	3688	1/1	0.91	0.14	66,66,66,66	0
87	MG	6	2009	1/1	0.91	0.43	73,73,73,73	0
87	MG	2	1988	1/1	0.91	0.20	66,66,66,66	0
87	MG	5	3609	1/1	0.91	0.24	38,38,38,38	0
87	MG	O7	103	1/1	0.91	0.84	55,55,55,55	1
88	OHX	1	4089	7/7	0.91	0.34	63,63,63,63	3
88	OHX	2	2141	7/7	0.91	0.44	78,78,78,78	5
88	OHX	5	4092	7/7	0.91	0.25	64,64,64,64	5
87	MG	5	3468	1/1	0.91	0.35	49,49,49,49	0
88	OHX	2	2143	7/7	0.91	0.63	61,61,61,61	5
88	OHX	1	4098	7/7	0.91	0.44	45,45,45,45	5

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
87	MG	1	3581	1/1	0.91	0.22	42,42,42,42	0
87	MG	6	2186	1/1	0.91	0.20	67,67,67,67	0
88	OHX	5	4102	7/7	0.91	0.21	53,53,53,53	5
87	MG	5	3618	1/1	0.91	0.20	56,56,56,56	0
87	MG	5	3479	1/1	0.91	0.24	54,54,54,54	0
87	MG	7	205	1/1	0.91	0.52	34,34,34,34	0
88	OHX	5	4116	7/7	0.91	0.22	47,47,47,47	3
87	MG	6	1966	1/1	0.91	0.18	83,83,83,83	0
88	OHX	5	4118	7/7	0.91	0.24	67,67,67,67	5
88	OHX	5	4121	7/7	0.91	0.20	145,145,145,145	7
87	MG	5	3482	1/1	0.91	0.44	30,30,30,30	0
88	OHX	3	216	7/7	0.91	0.31	62,62,62,62	3
88	OHX	3	218	7/7	0.91	0.28	49,49,49,49	4
88	OHX	5	4127	7/7	0.91	0.30	45,45,45,45	5
88	OHX	5	4128	7/7	0.91	0.18	99,99,99,99	4
87	MG	1	3752	1/1	0.91	0.13	51,51,51,51	0
87	MG	5	3712	1/1	0.91	0.19	40,40,40,40	0
88	OHX	4	234	7/7	0.91	0.30	64,64,64,64	5
87	MG	5	3713	1/1	0.91	0.39	55,55,55,55	0
87	MG	1	3753	1/1	0.91	0.28	64,64,64,64	0
87	MG	d2	201	1/1	0.91	0.19	71,71,71,71	0
88	OHX	D9	103	7/7	0.91	0.24	89,89,89,89	5
87	MG	5	3631	1/1	0.91	0.15	50,50,50,50	0
87	MG	1	3587	1/1	0.91	0.09	63,63,63,63	0
88	OHX	N8	205	7/7	0.91	0.20	105,105,105,105	7
88	OHX	5	4146	7/7	0.91	0.26	39,39,39,39	2
87	MG	1	3470	1/1	0.91	0.30	47,47,47,47	0
87	MG	5	3495	1/1	0.91	0.20	34,34,34,34	0
88	OHX	5	4150	7/7	0.91	0.38	41,41,41,41	6
87	MG	8	209	1/1	0.91	0.34	50,50,50,50	0
87	MG	6	1975	1/1	0.91	0.25	58,58,58,58	0
87	MG	2	1924	1/1	0.91	0.15	75,75,75,75	0
87	MG	1	3529	1/1	0.91	0.17	49,49,49,49	0
87	MG	5	3524	1/1	0.91	0.35	35,35,35,35	0
87	MG	1	3428	1/1	0.91	0.24	52,52,52,52	0
88	OHX	5	4157	7/7	0.91	0.28	85,85,85,85	5
87	MG	1	3483	1/1	0.91	0.28	39,39,39,39	0
87	MG	M7	202	1/1	0.91	0.36	41,41,41,41	0
88	OHX	6	2118	7/7	0.91	0.25	62,62,62,62	3
88	OHX	6	2120	7/7	0.91	0.23	84,84,84,84	5
88	OHX	8	225	7/7	0.91	0.29	70,70,70,70	5
88	OHX	8	227	7/7	0.91	0.27	56,56,56,56	4

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
88	OHX	6	2124	7/7	0.91	0.42	81,81,81,81	4
87	MG	5	3420	1/1	0.91	0.15	35,35,35,35	0
87	MG	1	3445	1/1	0.91	0.30	46,46,46,46	0
88	OHX	14	402	7/7	0.91	0.27	52,52,52,52	5
87	MG	5	3423	1/1	0.91	0.20	38,38,38,38	0
87	MG	1	3701	1/1	0.91	0.29	35,35,35,35	0
88	OHX	1	4006	7/7	0.91	0.23	68,68,68,68	4
87	MG	5	3663	1/1	0.91	0.43	84,84,84,84	0
87	MG	4	204	1/1	0.91	0.43	48,48,48,48	0
87	MG	1	3429	1/1	0.91	0.17	42,42,42,42	0
87	MG	1	3537	1/1	0.91	0.36	36,36,36,36	0
89	ZN	E1	501	1/1	0.91	0.12	132,132,132,132	0
87	MG	1	3545	1/1	0.91	0.29	42,42,42,42	0
87	MG	5	3558	1/1	0.91	0.33	37,37,37,37	0
89	ZN	q2	501	1/1	0.91	0.08	79,79,79,79	0
88	OHX	1	4034	7/7	0.92	0.38	50,50,50,50	5
87	MG	1	3586	1/1	0.92	0.23	51,51,51,51	0
88	OHX	2	2053	7/7	0.92	0.19	120,120,120,120	5
87	MG	6	1990	1/1	0.92	0.34	72,72,72,72	0
88	OHX	2	2061	7/7	0.92	0.27	63,63,63,63	4
87	MG	1	3438	1/1	0.92	0.31	36,36,36,36	0
87	MG	1	3454	1/1	0.92	0.27	43,43,43,43	0
88	OHX	6	2172	7/7	0.92	0.31	73,73,73,73	6
88	OHX	1	4046	7/7	0.92	0.17	105,105,105,105	5
87	MG	6	1940	1/1	0.92	0.28	40,40,40,40	0
87	MG	5	3759	1/1	0.92	0.23	44,44,44,44	0
88	OHX	1	4054	7/7	0.92	0.23	43,43,43,43	3
88	OHX	6	2179	7/7	0.92	0.18	99,99,99,99	4
88	OHX	2	2078	7/7	0.92	0.21	77,77,77,77	5
87	MG	1	4108	1/1	0.92	0.17	41,41,41,41	0
88	OHX	2	2088	7/7	0.92	0.23	99,99,99,99	3
88	OHX	6	2184	7/7	0.92	0.10	115,115,115,115	6
87	MG	1	3481	1/1	0.92	0.27	40,40,40,40	0
88	OHX	c3	201	7/7	0.92	0.19	89,89,89,89	3
88	OHX	2	2095	7/7	0.92	0.18	70,70,70,70	5
87	MG	5	3487	1/1	0.92	0.20	52,52,52,52	0
88	OHX	2	2099	7/7	0.92	0.20	99,99,99,99	4
88	OHX	5	3898	7/7	0.92	0.29	70,70,70,70	5
87	MG	5	3764	1/1	0.92	0.45	110,110,110,110	0
88	OHX	1	4065	7/7	0.92	0.28	98,98,98,98	7
88	OHX	5	3918	7/7	0.92	0.41	46,46,46,46	3
88	OHX	1	4066	7/7	0.92	0.23	37,37,37,37	3

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
87	MG	5	3681	1/1	0.92	0.14	130,130,130,130	0
88	OHX	5	3990	7/7	0.92	0.28	80,80,80,80	3
88	OHX	5	3991	7/7	0.92	0.32	96,96,96,96	4
87	MG	1	3531	1/1	0.92	0.40	52,52,52,52	0
87	MG	5	3612	1/1	0.92	0.24	38,38,38,38	0
88	OHX	1	4071	7/7	0.92	0.26	40,40,40,40	4
87	MG	6	1904	1/1	0.92	0.27	82,82,82,82	0
88	OHX	2	2115	7/7	0.92	0.17	103,103,103,103	5
88	OHX	2	2116	7/7	0.92	0.17	146,146,146,146	7
88	OHX	5	4035	7/7	0.92	0.30	42,42,42,42	4
87	MG	5	3774	1/1	0.92	0.18	50,50,50,50	0
88	OHX	2	2118	7/7	0.92	0.34	82,82,82,82	5
87	MG	5	3493	1/1	0.92	0.20	38,38,38,38	0
87	MG	5	3686	1/1	0.92	0.15	40,40,40,40	0
88	OHX	5	4052	7/7	0.92	0.20	58,58,58,58	5
88	OHX	2	2123	7/7	0.92	0.18	94,94,94,94	4
87	MG	5	3778	1/1	0.92	0.24	64,64,64,64	0
88	OHX	5	4062	7/7	0.92	0.24	50,50,50,50	5
88	OHX	5	4066	7/7	0.92	0.27	53,53,53,53	3
87	MG	5	3779	1/1	0.92	0.26	51,51,51,51	0
87	MG	6	1952	1/1	0.92	0.33	58,58,58,58	0
88	OHX	5	4076	7/7	0.92	0.21	38,38,38,38	2
87	MG	1	3724	1/1	0.92	0.12	86,86,86,86	0
87	MG	5	3439	1/1	0.92	0.31	46,46,46,46	0
87	MG	6	1907	1/1	0.92	0.16	76,76,76,76	0
88	OHX	5	4086	7/7	0.92	0.23	45,45,45,45	4
87	MG	5	3504	1/1	0.92	0.41	36,36,36,36	0
87	MG	5	3694	1/1	0.92	0.23	45,45,45,45	0
88	OHX	1	4095	7/7	0.92	0.26	45,45,45,45	3
88	OHX	1	4096	7/7	0.92	0.26	52,52,52,52	3
87	MG	5	3624	1/1	0.92	0.34	41,41,41,41	0
88	OHX	2	2140	7/7	0.92	0.52	65,65,65,65	4
87	MG	5	3791	1/1	0.92	0.26	42,42,42,42	0
87	MG	5	3506	1/1	0.92	0.35	34,34,34,34	0
87	MG	5	3523	1/1	0.92	0.25	38,38,38,38	0
87	MG	5	3442	1/1	0.92	0.27	36,36,36,36	0
87	MG	5	3628	1/1	0.92	0.20	42,42,42,42	0
87	MG	1	3645	1/1	0.92	0.32	57,57,57,57	0
87	MG	1	3561	1/1	0.92	0.42	46,46,46,46	0
88	OHX	5	4110	7/7	0.92	0.28	54,54,54,54	5
87	MG	5	3709	1/1	0.92	0.40	56,56,56,56	0
87	MG	1	3460	1/1	0.92	0.23	59,59,59,59	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
87	MG	5	3711	1/1	0.92	0.41	63,63,63,63	0
87	MG	5	3447	1/1	0.92	0.26	46,46,46,46	0
88	OHX	5	4119	7/7	0.92	0.30	51,51,51,51	4
88	OHX	4	233	7/7	0.92	0.33	63,63,63,63	2
87	MG	1	3461	1/1	0.92	0.26	46,46,46,46	0
87	MG	5	3716	1/1	0.92	0.18	40,40,40,40	0
87	MG	5	3717	1/1	0.92	0.24	44,44,44,44	0
87	MG	1	3603	1/1	0.92	0.24	45,45,45,45	0
87	MG	1	3705	1/1	0.92	0.23	48,48,48,48	0
88	OHX	M7	205	7/7	0.92	0.30	57,57,57,57	5
87	MG	7	228	1/1	0.92	0.27	38,38,38,38	0
87	MG	2	1952	1/1	0.92	0.16	71,71,71,71	0
87	MG	1	3682	1/1	0.92	0.39	50,50,50,50	0
88	OHX	5	4133	7/7	0.92	0.27	38,38,38,38	4
87	MG	8	205	1/1	0.92	0.22	45,45,45,45	0
88	OHX	5	4135	7/7	0.92	0.23	68,68,68,68	3
88	OHX	1	3915	7/7	0.92	0.23	72,72,72,72	3
87	MG	5	3458	1/1	0.92	0.31	39,39,39,39	0
88	OHX	6	2086	7/7	0.92	0.37	68,68,68,68	5
88	OHX	1	3947	7/7	0.92	0.24	92,92,92,92	5
88	OHX	5	4140	7/7	0.92	0.26	52,52,52,52	5
88	OHX	6	2092	7/7	0.92	0.28	61,61,61,61	3
88	OHX	5	4144	7/7	0.92	0.32	49,49,49,49	5
88	OHX	5	4145	7/7	0.92	0.29	47,47,47,47	4
88	OHX	6	2094	7/7	0.92	0.17	106,106,106,106	5
87	MG	8	208	1/1	0.92	0.35	46,46,46,46	0
88	OHX	6	2106	7/7	0.92	0.18	80,80,80,80	3
87	MG	6	2187	1/1	0.92	0.15	93,93,93,93	0
87	MG	5	3554	1/1	0.92	0.35	47,47,47,47	0
87	MG	5	3557	1/1	0.92	0.20	49,49,49,49	0
87	MG	5	3729	1/1	0.92	0.17	51,51,51,51	0
87	MG	5	3655	1/1	0.92	0.19	42,42,42,42	0
87	MG	1	3569	1/1	0.92	0.50	35,35,35,35	0
87	MG	5	3733	1/1	0.92	0.44	39,39,39,39	0
87	MG	5	3660	1/1	0.92	0.15	50,50,50,50	0
87	MG	1	3527	1/1	0.92	0.33	40,40,40,40	0
88	OHX	6	2128	7/7	0.92	0.39	56,56,56,56	3
87	MG	6	1983	1/1	0.92	0.17	60,60,60,60	0
88	OHX	6	2130	7/7	0.92	0.23	61,61,61,61	3
87	MG	5	3567	1/1	0.92	0.30	38,38,38,38	0
87	MG	1	3631	1/1	0.92	0.39	79,79,79,79	0
87	MG	1	3634	1/1	0.92	0.32	60,60,60,60	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
87	MG	5	3741	1/1	0.92	0.21	39,39,39,39	0
88	OHX	6	2138	7/7	0.92	0.61	62,62,62,62	5
87	MG	1	3663	1/1	0.92	0.24	52,52,52,52	0
87	MG	o9	101	1/1	0.92	0.40	53,53,53,53	0
88	OHX	1	4025	7/7	0.92	0.30	42,42,42,42	3
88	OHX	6	2150	7/7	0.92	0.26	66,66,66,66	1
87	MG	1	3611	1/1	0.92	0.37	59,59,59,59	0
88	OHX	1	4029	7/7	0.92	0.22	51,51,51,51	3
87	MG	q1	701	1/1	0.92	0.16	52,52,52,52	0
88	OHX	6	2156	7/7	0.92	0.21	62,62,62,62	4
87	MG	5	3746	1/1	0.92	0.17	59,59,59,59	0
88	OHX	6	2159	7/7	0.92	0.10	135,135,135,135	6
87	MG	5	3475	1/1	0.92	0.31	34,34,34,34	0
87	MG	5	3406	1/1	0.92	0.18	47,47,47,47	0
88	OHX	2	2120	7/7	0.93	0.15	123,123,123,123	5
87	MG	2	1940	1/1	0.93	0.18	72,72,72,72	0
88	OHX	2	2122	7/7	0.93	0.21	83,83,83,83	3
87	MG	1	3511	1/1	0.93	0.32	36,36,36,36	0
87	MG	1	3707	1/1	0.93	1.14	45,45,45,45	1
87	MG	2	1955	1/1	0.93	0.37	78,78,78,78	0
88	OHX	s9	201	7/7	0.93	0.36	73,73,73,73	5
87	MG	7	201	1/1	0.93	0.36	51,51,51,51	0
87	MG	7	204	1/1	0.93	0.42	46,46,46,46	0
87	MG	5	3517	1/1	0.93	0.24	42,42,42,42	0
88	OHX	2	2130	7/7	0.93	0.18	103,103,103,103	7
88	OHX	2	2131	7/7	0.93	0.35	86,86,86,86	6
88	OHX	1	4077	7/7	0.93	0.20	56,56,56,56	5
88	OHX	2	2132	7/7	0.93	0.24	81,81,81,81	5
87	MG	2	1948	1/1	0.93	0.19	66,66,66,66	0
88	OHX	2	2134	7/7	0.93	0.18	85,85,85,85	4
88	OHX	5	3933	7/7	0.93	0.25	64,64,64,64	3
87	MG	1	3559	1/1	0.93	0.36	33,33,33,33	0
88	OHX	5	3967	7/7	0.93	0.28	45,45,45,45	2
88	OHX	5	3977	7/7	0.93	0.26	41,41,41,41	5
88	OHX	5	3983	7/7	0.93	0.26	42,42,42,42	3
88	OHX	5	3988	7/7	0.93	0.28	54,54,54,54	2
88	OHX	2	2136	7/7	0.93	0.27	72,72,72,72	5
87	MG	5	3434	1/1	0.93	0.31	44,44,44,44	0
88	OHX	5	3992	7/7	0.93	0.31	41,41,41,41	4
87	MG	5	3638	1/1	0.93	0.28	41,41,41,41	0
88	OHX	1	4087	7/7	0.93	0.22	45,45,45,45	4
88	OHX	5	4003	7/7	0.93	0.26	41,41,41,41	2

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
88	OHX	5	4011	7/7	0.93	0.28	56,56,56,56	1
87	MG	5	3534	1/1	0.93	0.32	41,41,41,41	0
87	MG	5	3438	1/1	0.93	0.41	48,48,48,48	0
87	MG	5	3720	1/1	0.93	0.33	42,42,42,42	0
88	OHX	5	4031	7/7	0.93	0.47	60,60,60,60	5
88	OHX	1	4091	7/7	0.93	0.40	44,44,44,44	5
87	MG	5	3537	1/1	0.93	0.35	42,42,42,42	0
87	MG	1	3521	1/1	0.93	0.51	43,43,43,43	0
87	MG	2	1968	1/1	0.93	0.16	89,89,89,89	0
87	MG	8	203	1/1	0.93	0.14	52,52,52,52	0
88	OHX	5	4042	7/7	0.93	0.26	47,47,47,47	3
87	MG	2	1935	1/1	0.93	0.43	67,67,67,67	0
88	OHX	5	4045	7/7	0.93	0.22	56,56,56,56	4
88	OHX	5	4047	7/7	0.93	0.22	52,52,52,52	3
88	OHX	5	4049	7/7	0.93	0.30	40,40,40,40	2
88	OHX	5	4050	7/7	0.93	0.21	39,39,39,39	4
88	OHX	2	2148	7/7	0.93	0.54	67,67,67,67	4
87	MG	5	3646	1/1	0.93	0.24	38,38,38,38	0
88	OHX	5	4055	7/7	0.93	0.26	44,44,44,44	3
87	MG	1	3564	1/1	0.93	0.47	47,47,47,47	0
87	MG	5	3650	1/1	0.93	0.47	43,43,43,43	0
88	OHX	5	4064	7/7	0.93	0.37	38,38,38,38	3
87	MG	1	3567	1/1	0.93	0.44	48,48,48,48	0
88	OHX	5	4069	7/7	0.93	0.32	143,143,143,143	7
87	MG	6	1996	1/1	0.93	0.36	60,60,60,60	0
88	OHX	S8	301	7/7	0.93	0.16	109,109,109,109	6
88	OHX	1	4106	7/7	0.93	0.52	60,60,60,60	4
88	OHX	5	4078	7/7	0.93	0.29	38,38,38,38	5
88	OHX	3	215	7/7	0.93	0.20	80,80,80,80	2
87	MG	1	3688	1/1	0.93	0.26	39,39,39,39	0
87	MG	6	1934	1/1	0.93	0.52	79,79,79,79	0
88	OHX	5	4083	7/7	0.93	0.26	74,74,74,74	5
87	MG	5	3658	1/1	0.93	0.19	39,39,39,39	0
87	MG	3	205	1/1	0.93	0.50	60,60,60,60	0
87	MG	5	3661	1/1	0.93	0.34	43,43,43,43	0
88	OHX	1	3859	7/7	0.93	0.32	82,82,82,82	5
87	MG	2	1936	1/1	0.93	0.26	63,63,63,63	0
87	MG	5	3453	1/1	0.93	0.24	38,38,38,38	0
87	MG	3	207	1/1	0.93	0.27	68,68,68,68	0
88	OHX	1	3908	7/7	0.93	0.26	80,80,80,80	2
87	MG	n6	201	1/1	0.93	0.29	59,59,59,59	0
88	OHX	1	3923	7/7	0.93	0.34	36,36,36,36	2

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
87	MG	n8	201	1/1	0.93	0.20	34,34,34,34	0
88	OHX	5	4101	7/7	0.93	0.28	54,54,54,54	5
87	MG	1	3404	1/1	0.93	0.21	60,60,60,60	0
87	MG	n9	101	1/1	0.93	0.21	32,32,32,32	0
87	MG	6	1943	1/1	0.93	0.51	51,51,51,51	0
87	MG	5	3566	1/1	0.93	0.29	40,40,40,40	0
88	OHX	6	2077	7/7	0.93	0.24	87,87,87,87	4
88	OHX	5	4113	7/7	0.93	0.40	53,53,53,53	3
87	MG	N8	202	1/1	0.93	0.33	44,44,44,44	0
88	OHX	1	3967	7/7	0.93	0.32	37,37,37,37	4
88	OHX	6	2090	7/7	0.93	0.27	84,84,84,84	6
87	MG	6	1948	1/1	0.93	0.20	55,55,55,55	0
87	MG	1	3658	1/1	0.93	0.28	43,43,43,43	0
87	MG	4	202	1/1	0.93	0.41	53,53,53,53	0
88	OHX	5	4123	7/7	0.93	0.22	47,47,47,47	3
88	OHX	1	3985	7/7	0.93	0.19	114,114,114,114	4
87	MG	2	1910	1/1	0.93	0.30	65,65,65,65	0
87	MG	6	1957	1/1	0.93	0.52	65,65,65,65	0
88	OHX	1	3999	7/7	0.93	0.25	55,55,55,55	5
88	OHX	2	2013	7/7	0.93	0.22	105,105,105,105	3
87	MG	1	3693	1/1	0.93	0.29	53,53,53,53	0
88	OHX	2	2046	7/7	0.93	0.25	98,98,98,98	5
88	OHX	1	4007	7/7	0.93	0.29	40,40,40,40	4
88	OHX	1	4009	7/7	0.93	0.29	42,42,42,42	3
88	OHX	6	2126	7/7	0.93	0.19	74,74,74,74	5
87	MG	5	3675	1/1	0.93	0.25	42,42,42,42	0
87	MG	1	3582	1/1	0.93	0.20	38,38,38,38	0
88	OHX	1	4016	7/7	0.93	0.18	63,63,63,63	3
87	MG	1	3620	1/1	0.93	0.32	39,39,39,39	0
87	MG	5	3600	1/1	0.93	0.31	45,45,45,45	0
88	OHX	2	2060	7/7	0.93	0.19	73,73,73,73	1
88	OHX	1	4024	7/7	0.93	0.21	61,61,61,61	1
88	OHX	5	4143	7/7	0.93	0.14	116,116,116,116	5
87	MG	2	1972	1/1	0.93	0.23	91,91,91,91	0
87	MG	5	3766	1/1	0.93	0.24	33,33,33,33	0
88	OHX	6	2139	7/7	0.93	0.21	91,91,91,91	4
87	MG	1	3733	1/1	0.93	1.15	37,37,37,37	1
88	OHX	6	2142	7/7	0.93	0.29	68,68,68,68	5
87	MG	5	3478	1/1	0.93	0.37	58,58,58,58	0
88	OHX	6	2145	7/7	0.93	0.31	88,88,88,88	6
87	MG	O7	104	1/1	0.93	2.40	43,43,43,43	1
88	OHX	6	2147	7/7	0.93	0.29	82,82,82,82	5

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
87	MG	5	3772	1/1	0.93	0.14	65,65,65,65	0
88	OHX	2	2082	7/7	0.93	0.22	86,86,86,86	5
87	MG	2	1983	1/1	0.93	0.20	71,71,71,71	0
88	OHX	6	2153	7/7	0.93	0.21	75,75,75,75	3
88	OHX	6	2154	7/7	0.93	0.30	69,69,69,69	5
87	MG	5	3401	1/1	0.93	0.19	42,42,42,42	0
88	OHX	2	2090	7/7	0.93	0.18	84,84,84,84	3
88	OHX	7	227	7/7	0.93	0.22	59,59,59,59	3
88	OHX	8	223	7/7	0.93	0.29	95,95,95,95	3
87	MG	1	3737	1/1	0.93	0.16	53,53,53,53	0
87	MG	5	3687	1/1	0.93	0.25	47,47,47,47	0
87	MG	5	3404	1/1	0.93	0.38	35,35,35,35	0
88	OHX	8	228	7/7	0.93	0.27	67,67,67,67	3
87	MG	1	3496	1/1	0.93	0.26	40,40,40,40	0
88	OHX	6	2162	7/7	0.93	0.20	87,87,87,87	4
87	MG	1	3592	1/1	0.93	0.33	47,47,47,47	0
88	OHX	2	2101	7/7	0.93	0.19	100,100,100,100	5
88	OHX	2	2102	7/7	0.93	0.13	161,161,161,161	7
87	MG	6	1978	1/1	0.93	0.17	88,88,88,88	0
88	OHX	19	201	7/7	0.93	0.28	65,65,65,65	2
87	MG	5	3415	1/1	0.93	0.55	55,55,55,55	0
87	MG	5	3492	1/1	0.93	0.30	46,46,46,46	0
87	MG	5	3620	1/1	0.93	0.40	44,44,44,44	0
88	OHX	6	2171	7/7	0.93	0.14	131,131,131,131	7
87	MG	2	1908	1/1	0.93	0.18	84,84,84,84	0
87	MG	5	3622	1/1	0.93	0.30	38,38,38,38	0
87	MG	1	3504	1/1	0.93	0.24	42,42,42,42	0
87	MG	5	3704	1/1	0.93	0.42	44,44,44,44	0
87	MG	1	3538	1/1	0.93	0.42	46,46,46,46	0
87	MG	6	1913	1/1	0.94	0.26	44,44,44,44	0
87	MG	1	3539	1/1	0.94	0.30	45,45,45,45	0
87	MG	1	3501	1/1	0.94	0.32	47,47,47,47	0
87	MG	1	3465	1/1	0.94	0.40	30,30,30,30	0
87	MG	1	3731	1/1	0.94	0.51	47,47,47,47	1
87	MG	5	3747	1/1	0.94	0.24	46,46,46,46	1
88	OHX	5	3950	7/7	0.94	0.28	40,40,40,40	4
88	OHX	5	3959	7/7	0.94	0.29	78,78,78,78	2
88	OHX	5	3961	7/7	0.94	0.21	56,56,56,56	3
87	MG	1	3430	1/1	0.94	0.12	50,50,50,50	0
87	MG	1	3555	1/1	0.94	0.28	45,45,45,45	0
87	MG	6	1923	1/1	0.94	0.34	82,82,82,82	0
88	OHX	1	4092	7/7	0.94	0.20	49,49,49,49	4

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
88	OHX	1	4093	7/7	0.94	0.37	42,42,42,42	5
88	OHX	SR	401	7/7	0.94	0.14	133,133,133,133	5
88	OHX	1	3838	7/7	0.94	0.28	78,78,78,78	3
87	MG	5	3753	1/1	0.94	0.18	42,42,42,42	0
88	OHX	1	3853	7/7	0.94	0.37	70,70,70,70	1
88	OHX	5	3994	7/7	0.94	0.26	45,45,45,45	3
88	OHX	1	3856	7/7	0.94	0.28	45,45,45,45	4
88	OHX	5	3998	7/7	0.94	0.33	101,101,101,101	4
87	MG	5	3452	1/1	0.94	0.26	35,35,35,35	0
87	MG	1	3649	1/1	0.94	0.42	45,45,45,45	0
88	OHX	5	4012	7/7	0.94	0.23	49,49,49,49	3
87	MG	1	3608	1/1	0.94	0.14	49,49,49,49	0
88	OHX	5	4022	7/7	0.94	0.22	96,96,96,96	6
87	MG	5	3456	1/1	0.94	0.19	40,40,40,40	0
88	OHX	1	3900	7/7	0.94	0.20	51,51,51,51	3
88	OHX	5	4030	7/7	0.94	0.31	48,48,48,48	1
88	OHX	1	3904	7/7	0.94	0.22	55,55,55,55	3
88	OHX	5	4033	7/7	0.94	0.31	37,37,37,37	5
88	OHX	1	3907	7/7	0.94	0.30	69,69,69,69	3
88	OHX	2	2014	7/7	0.94	0.28	75,75,75,75	4
88	OHX	1	3912	7/7	0.94	0.30	112,112,112,112	4
88	OHX	2	2035	7/7	0.94	0.21	100,100,100,100	6
88	OHX	5	4039	7/7	0.94	0.23	55,55,55,55	3
88	OHX	3	217	7/7	0.94	0.23	78,78,78,78	5
87	MG	5	3758	1/1	0.94	0.43	58,58,58,58	0
87	MG	1	3739	1/1	0.94	0.41	45,45,45,45	0
88	OHX	1	3935	7/7	0.94	0.23	55,55,55,55	2
88	OHX	4	232	7/7	0.94	0.24	45,45,45,45	4
88	OHX	1	3939	7/7	0.94	0.23	76,76,76,76	4
88	OHX	2	2047	7/7	0.94	0.20	88,88,88,88	5
88	OHX	1	3948	7/7	0.94	0.24	73,73,73,73	3
88	OHX	5	4053	7/7	0.94	0.24	67,67,67,67	4
87	MG	1	3740	1/1	0.94	0.29	62,62,62,62	0
88	OHX	1	3953	7/7	0.94	0.26	131,131,131,131	7
88	OHX	5	4057	7/7	0.94	0.26	73,73,73,73	6
88	OHX	5	4058	7/7	0.94	0.23	50,50,50,50	4
87	MG	5	3592	1/1	0.94	0.39	45,45,45,45	0
88	OHX	1	3964	7/7	0.94	0.24	54,54,54,54	4
87	MG	5	3762	1/1	0.94	0.98	45,45,45,45	1
88	OHX	2	2056	7/7	0.94	0.14	108,108,108,108	5
87	MG	2	1956	1/1	0.94	0.55	90,90,90,90	0
88	OHX	1	3972	7/7	0.94	0.28	53,53,53,53	2

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
87	MG	1	3610	1/1	0.94	0.20	39,39,39,39	1
88	OHX	5	4074	7/7	0.94	0.32	53,53,53,53	4
88	OHX	5	4075	7/7	0.94	0.21	49,49,49,49	3
88	OHX	6	2043	7/7	0.94	0.20	91,91,91,91	4
88	OHX	6	2064	7/7	0.94	0.28	97,97,97,97	3
88	OHX	6	2065	7/7	0.94	0.22	141,141,141,141	6
87	MG	1	3469	1/1	0.94	0.35	63,63,63,63	0
87	MG	1	3517	1/1	0.94	0.45	40,40,40,40	0
88	OHX	6	2080	7/7	0.94	0.25	76,76,76,76	2
88	OHX	6	2084	7/7	0.94	0.22	98,98,98,98	5
87	MG	2	1939	1/1	0.94	0.18	79,79,79,79	0
88	OHX	6	2087	7/7	0.94	0.18	100,100,100,100	5
87	MG	1	3520	1/1	0.94	0.39	53,53,53,53	0
88	OHX	2	2070	7/7	0.94	0.27	100,100,100,100	5
88	OHX	1	3995	7/7	0.94	0.18	98,98,98,98	7
88	OHX	1	3997	7/7	0.94	0.33	49,49,49,49	2
87	MG	5	3602	1/1	0.94	0.28	35,35,35,35	0
88	OHX	5	4097	7/7	0.94	0.21	132,132,132,132	5
87	MG	6	1938	1/1	0.94	0.49	98,98,98,98	0
88	OHX	6	2107	7/7	0.94	0.18	114,114,114,114	7
87	MG	1	3472	1/1	0.94	0.36	58,58,58,58	0
87	MG	1	3565	1/1	0.94	0.17	50,50,50,50	0
87	MG	2	1951	1/1	0.94	0.21	106,106,106,106	0
88	OHX	6	2113	7/7	0.94	0.17	66,66,66,66	2
87	MG	1	3457	1/1	0.94	0.33	32,32,32,32	0
88	OHX	5	4108	7/7	0.94	0.26	64,64,64,64	4
87	MG	6	1947	1/1	0.94	0.21	58,58,58,58	0
88	OHX	1	4013	7/7	0.94	0.22	60,60,60,60	3
88	OHX	6	2119	7/7	0.94	0.19	62,62,62,62	2
88	OHX	5	4114	7/7	0.94	0.27	47,47,47,47	4
87	MG	5	3611	1/1	0.94	0.29	46,46,46,46	0
88	OHX	6	2123	7/7	0.94	0.21	70,70,70,70	4
87	MG	2	1917	1/1	0.94	0.17	65,65,65,65	0
87	MG	1	3573	1/1	0.94	0.38	53,53,53,53	0
88	OHX	1	4019	7/7	0.94	0.21	65,65,65,65	2
87	MG	5	3784	1/1	0.94	0.28	41,41,41,41	0
87	MG	1	3755	1/1	0.94	0.28	53,53,53,53	0
87	MG	1	3756	1/1	0.94	0.16	54,54,54,54	0
87	MG	6	1953	1/1	0.94	0.43	51,51,51,51	0
87	MG	sM	301	1/1	0.94	0.19	50,50,50,50	0
87	MG	1	3482	1/1	0.94	0.29	51,51,51,51	0
88	OHX	2	2109	7/7	0.94	0.25	73,73,73,73	4

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
88	OHX	2	2110	7/7	0.94	0.35	61,61,61,61	5
88	OHX	2	2111	7/7	0.94	0.26	73,73,73,73	5
88	OHX	2	2113	7/7	0.94	0.16	99,99,99,99	4
87	MG	5	3703	1/1	0.94	0.38	48,48,48,48	0
88	OHX	1	4036	7/7	0.94	0.28	70,70,70,70	3
88	OHX	1	4037	7/7	0.94	0.20	60,60,60,60	6
87	MG	1	3672	1/1	0.94	0.23	68,68,68,68	0
87	MG	1	3673	1/1	0.94	0.61	61,61,61,61	0
88	OHX	6	2149	7/7	0.94	0.26	49,49,49,49	4
87	MG	1	3401	1/1	0.94	0.44	46,46,46,46	0
87	MG	5	3707	1/1	0.94	0.13	44,44,44,44	0
87	MG	3	204	1/1	0.94	0.43	37,37,37,37	0
87	MG	1	3424	1/1	0.94	0.12	61,61,61,61	0
87	MG	1	3426	1/1	0.94	0.42	45,45,45,45	0
88	OHX	1	4047	7/7	0.94	0.25	48,48,48,48	3
88	OHX	1	4049	7/7	0.94	0.19	99,99,99,99	3
87	MG	1	3715	1/1	0.94	0.18	49,49,49,49	0
87	MG	1	3589	1/1	0.94	0.17	53,53,53,53	0
88	OHX	1	4053	7/7	0.94	0.29	51,51,51,51	4
87	MG	1	3632	1/1	0.94	0.30	41,41,41,41	0
87	MG	Q0	202	1/1	0.94	0.76	56,56,56,56	0
88	OHX	6	2163	7/7	0.94	0.20	62,62,62,62	7
87	MG	1	3534	1/1	0.94	0.34	40,40,40,40	0
87	MG	5	3521	1/1	0.94	0.34	45,45,45,45	0
87	MG	6	1902	1/1	0.94	0.12	59,59,59,59	0
87	MG	5	3424	1/1	0.94	0.23	51,51,51,51	0
87	MG	5	3525	1/1	0.94	0.24	46,46,46,46	0
87	MG	5	3528	1/1	0.94	0.24	34,34,34,34	0
88	OHX	1	4063	7/7	0.94	0.26	55,55,55,55	4
87	MG	5	3723	1/1	0.94	0.60	55,55,55,55	0
87	MG	5	3530	1/1	0.94	0.32	46,46,46,46	0
87	MG	5	3425	1/1	0.94	0.38	37,37,37,37	0
87	MG	1	3492	1/1	0.94	0.32	39,39,39,39	0
87	MG	6	1981	1/1	0.94	0.16	85,85,85,85	0
87	MG	5	3647	1/1	0.94	0.23	41,41,41,41	0
88	OHX	6	2178	7/7	0.94	0.16	97,97,97,97	5
87	MG	5	3430	1/1	0.94	0.13	41,41,41,41	0
88	OHX	8	231	7/7	0.94	0.20	62,62,62,62	3
87	MG	6	1982	1/1	0.94	0.31	61,61,61,61	0
87	MG	5	3732	1/1	0.94	0.11	49,49,49,49	0
87	MG	5	3539	1/1	0.94	0.34	29,29,29,29	0
88	OHX	6	2183	7/7	0.94	0.15	101,101,101,101	6

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
87	MG	2	1907	1/1	0.94	0.36	65,65,65,65	0
87	MG	5	3437	1/1	0.94	0.30	33,33,33,33	0
88	OHX	s4	301	7/7	0.94	0.20	82,82,82,82	2
88	OHX	s8	302	7/7	0.94	0.24	108,108,108,108	5
87	MG	17	301	1/1	0.94	0.18	46,46,46,46	0
88	OHX	1	4078	7/7	0.94	0.27	45,45,45,45	6
87	MG	1	3722	1/1	0.94	0.35	56,56,56,56	0
87	MG	2	1932	1/1	0.94	0.15	78,78,78,78	0
87	MG	2	1943	1/1	0.94	0.29	78,78,78,78	0
88	OHX	5	3796	7/7	0.94	0.28	52,52,52,52	2
88	OHX	1	4083	7/7	0.95	0.22	90,90,90,90	4
88	OHX	5	3912	7/7	0.95	0.27	43,43,43,43	4
88	OHX	1	3831	7/7	0.95	0.29	85,85,85,85	3
87	MG	5	3579	1/1	0.95	0.35	32,32,32,32	0
88	OHX	5	3920	7/7	0.95	0.33	48,48,48,48	2
88	OHX	1	3843	7/7	0.95	0.25	111,111,111,111	1
88	OHX	5	3924	7/7	0.95	0.27	45,45,45,45	4
88	OHX	5	3930	7/7	0.95	0.23	49,49,49,49	3
88	OHX	5	3931	7/7	0.95	0.27	55,55,55,55	3
88	OHX	5	3932	7/7	0.95	0.36	88,88,88,88	3
87	MG	5	3581	1/1	0.95	0.48	28,28,28,28	0
88	OHX	5	3939	7/7	0.95	0.33	46,46,46,46	3
87	MG	5	3585	1/1	0.95	0.48	38,38,38,38	0
88	OHX	5	3958	7/7	0.95	0.26	52,52,52,52	2
88	OHX	2	2002	7/7	0.95	0.23	109,109,109,109	4
88	OHX	2	2010	7/7	0.95	0.27	86,86,86,86	5
87	MG	6	1963	1/1	0.95	0.19	89,89,89,89	0
88	OHX	5	3966	7/7	0.95	0.25	55,55,55,55	4
87	MG	1	3612	1/1	0.95	0.11	58,58,58,58	0
88	OHX	1	3870	7/7	0.95	0.25	43,43,43,43	3
88	OHX	5	3981	7/7	0.95	0.18	60,60,60,60	5
88	OHX	1	3890	7/7	0.95	0.16	106,106,106,106	5
88	OHX	1	3892	7/7	0.95	0.23	149,149,149,149	5
88	OHX	5	3989	7/7	0.95	0.26	48,48,48,48	3
88	OHX	1	3893	7/7	0.95	0.20	131,131,131,131	5
88	OHX	2	2020	7/7	0.95	0.23	73,73,73,73	4
87	MG	5	3470	1/1	0.95	0.25	49,49,49,49	0
88	OHX	1	3903	7/7	0.95	0.27	52,52,52,52	3
87	MG	5	3471	1/1	0.95	0.31	59,59,59,59	0
88	OHX	1	3906	7/7	0.95	0.19	59,59,59,59	2
88	OHX	5	3997	7/7	0.95	0.24	42,42,42,42	3
87	MG	5	3474	1/1	0.95	0.17	39,39,39,39	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
88	OHX	5	3999	7/7	0.95	0.26	53,53,53,53	1
87	MG	6	1965	1/1	0.95	0.31	63,63,63,63	0
88	OHX	5	4005	7/7	0.95	0.20	78,78,78,78	6
88	OHX	2	2048	7/7	0.95	0.18	97,97,97,97	3
88	OHX	1	3914	7/7	0.95	0.26	70,70,70,70	4
88	OHX	5	4013	7/7	0.95	0.23	67,67,67,67	4
88	OHX	5	4015	7/7	0.95	0.23	66,66,66,66	4
88	OHX	5	4016	7/7	0.95	0.26	78,78,78,78	3
88	OHX	5	4018	7/7	0.95	0.28	87,87,87,87	4
87	MG	1	3490	1/1	0.95	0.38	40,40,40,40	0
87	MG	1	3706	1/1	0.95	0.27	36,36,36,36	0
87	MG	5	3403	1/1	0.95	0.40	41,41,41,41	0
88	OHX	5	4027	7/7	0.95	0.20	45,45,45,45	4
88	OHX	1	3926	7/7	0.95	0.26	50,50,50,50	3
87	MG	1	3676	1/1	0.95	0.72	49,49,49,49	0
88	OHX	1	3938	7/7	0.95	0.26	53,53,53,53	3
88	OHX	4	223	7/7	0.95	0.27	67,67,67,67	3
87	MG	6	1972	1/1	0.95	0.10	60,60,60,60	0
88	OHX	4	231	7/7	0.95	0.19	56,56,56,56	3
87	MG	5	3606	1/1	0.95	0.15	40,40,40,40	0
87	MG	6	1910	1/1	0.95	0.21	59,59,59,59	0
88	OHX	1	3949	7/7	0.95	0.22	37,37,37,37	2
87	MG	5	3409	1/1	0.95	0.31	41,41,41,41	0
88	OHX	1	3951	7/7	0.95	0.24	41,41,41,41	3
88	OHX	M0	302	7/7	0.95	0.30	50,50,50,50	4
87	MG	5	3410	1/1	0.95	0.29	37,37,37,37	0
88	OHX	5	4046	7/7	0.95	0.23	46,46,46,46	2
87	MG	5	3411	1/1	0.95	0.24	37,37,37,37	0
88	OHX	1	3962	7/7	0.95	0.24	42,42,42,42	3
88	OHX	2	2068	7/7	0.95	0.17	144,144,144,144	6
87	MG	5	3776	1/1	0.95	0.19	49,49,49,49	0
88	OHX	2	2071	7/7	0.95	0.25	104,104,104,104	5
88	OHX	2	2072	7/7	0.95	0.20	104,104,104,104	5
88	OHX	1	3969	7/7	0.95	0.26	64,64,64,64	4
88	OHX	1	3971	7/7	0.95	0.28	61,61,61,61	3
87	MG	1	3478	1/1	0.95	0.24	39,39,39,39	0
88	OHX	5	4059	7/7	0.95	0.27	40,40,40,40	2
88	OHX	2	2075	7/7	0.95	0.22	60,60,60,60	4
88	OHX	6	2066	7/7	0.95	0.19	161,161,161,161	6
88	OHX	5	4063	7/7	0.95	0.21	54,54,54,54	2
88	OHX	6	2068	7/7	0.95	0.22	99,99,99,99	3
87	MG	5	3414	1/1	0.95	0.36	34,34,34,34	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
88	OHX	6	2073	7/7	0.95	0.24	68,68,68,68	5
88	OHX	1	3980	7/7	0.95	0.15	182,182,182,182	7
88	OHX	1	3982	7/7	0.95	0.20	50,50,50,50	2
87	MG	1	3512	1/1	0.95	0.45	37,37,37,37	0
88	OHX	2	2083	7/7	0.95	0.17	100,100,100,100	6
88	OHX	2	2085	7/7	0.95	0.19	83,83,83,83	3
87	MG	5	3695	1/1	0.95	0.21	39,39,39,39	0
88	OHX	1	3991	7/7	0.95	0.40	88,88,88,88	5
88	OHX	5	4080	7/7	0.95	0.19	111,111,111,111	4
88	OHX	1	3993	7/7	0.95	0.26	53,53,53,53	2
88	OHX	1	3994	7/7	0.95	0.22	47,47,47,47	2
88	OHX	6	2097	7/7	0.95	0.18	97,97,97,97	3
88	OHX	5	4084	7/7	0.95	0.20	48,48,48,48	5
88	OHX	6	2098	7/7	0.95	0.21	75,75,75,75	4
88	OHX	6	2099	7/7	0.95	0.19	64,64,64,64	5
87	MG	5	3697	1/1	0.95	0.38	40,40,40,40	0
87	MG	5	3782	1/1	0.95	0.28	52,52,52,52	0
88	OHX	2	2091	7/7	0.95	0.15	85,85,85,85	4
88	OHX	2	2092	7/7	0.95	0.22	113,113,113,113	5
87	MG	5	3491	1/1	0.95	0.23	46,46,46,46	0
88	OHX	5	4094	7/7	0.95	0.19	64,64,64,64	5
88	OHX	1	4005	7/7	0.95	0.29	60,60,60,60	5
87	MG	1	3493	1/1	0.95	0.40	30,30,30,30	0
87	MG	1	3434	1/1	0.95	0.25	59,59,59,59	0
87	MG	1	3518	1/1	0.95	0.47	41,41,41,41	0
88	OHX	1	4010	7/7	0.95	0.36	50,50,50,50	6
87	MG	5	3787	1/1	0.95	0.15	42,42,42,42	0
88	OHX	1	4012	7/7	0.95	0.28	41,41,41,41	4
87	MG	5	3788	1/1	0.95	0.61	40,40,40,40	0
87	MG	6	1918	1/1	0.95	0.35	48,48,48,48	0
88	OHX	5	4105	7/7	0.95	0.26	44,44,44,44	5
88	OHX	5	4106	7/7	0.95	0.25	52,52,52,52	3
88	OHX	6	2125	7/7	0.95	0.16	76,76,76,76	2
88	OHX	2	2104	7/7	0.95	0.23	106,106,106,106	7
88	OHX	1	4017	7/7	0.95	0.32	50,50,50,50	5
88	OHX	5	4112	7/7	0.95	0.18	57,57,57,57	3
88	OHX	2	2105	7/7	0.95	0.16	106,106,106,106	4
87	MG	2	1920	1/1	0.95	0.27	61,61,61,61	0
88	OHX	5	4115	7/7	0.95	0.21	92,92,92,92	2
87	MG	L7	303	1/1	0.95	0.14	51,51,51,51	0
88	OHX	1	4021	7/7	0.95	0.19	48,48,48,48	5
87	MG	1	3499	1/1	0.95	0.31	40,40,40,40	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
88	OHX	1	4023	7/7	0.95	0.22	69,69,69,69	6
88	OHX	5	4120	7/7	0.95	0.28	38,38,38,38	3
87	MG	1	3684	1/1	0.95	0.15	57,57,57,57	0
87	MG	1	3566	1/1	0.95	0.45	53,53,53,53	0
87	MG	5	3519	1/1	0.95	0.34	32,32,32,32	0
88	OHX	2	2112	7/7	0.95	0.15	103,103,103,103	6
88	OHX	6	2141	7/7	0.95	0.15	87,87,87,87	5
87	MG	5	4162	1/1	0.95	1.68	36,36,36,36	1
88	OHX	6	2143	7/7	0.95	0.16	74,74,74,74	5
87	MG	6	1987	1/1	0.95	0.30	58,58,58,58	0
87	MG	5	3522	1/1	0.95	0.48	45,45,45,45	0
87	MG	1	3656	1/1	0.95	0.35	44,44,44,44	0
87	MG	7	202	1/1	0.95	0.43	26,26,26,26	0
88	OHX	1	4035	7/7	0.95	0.20	64,64,64,64	4
87	MG	1	3657	1/1	0.95	0.33	50,50,50,50	0
87	MG	5	3634	1/1	0.95	0.24	47,47,47,47	0
87	MG	5	3635	1/1	0.95	0.26	42,42,42,42	0
87	MG	1	3415	1/1	0.95	0.47	57,57,57,57	0
87	MG	5	3436	1/1	0.95	0.24	46,46,46,46	0
87	MG	1	3720	1/1	0.95	0.17	48,48,48,48	0
87	MG	1	3624	1/1	0.95	0.26	38,38,38,38	0
87	MG	N3	201	1/1	0.95	0.32	39,39,39,39	0
88	OHX	1	4044	7/7	0.95	0.23	62,62,62,62	4
87	MG	3	201	1/1	0.95	0.37	71,71,71,71	0
87	MG	1	3602	1/1	0.95	0.25	43,43,43,43	0
87	MG	2	1958	1/1	0.95	0.11	70,70,70,70	0
87	MG	1	3628	1/1	0.95	0.32	51,51,51,51	0
88	OHX	5	4148	7/7	0.95	0.17	45,45,45,45	6
87	MG	5	3727	1/1	0.95	0.36	46,46,46,46	1
87	MG	1	3695	1/1	0.95	0.46	59,59,59,59	0
87	MG	1	3727	1/1	0.95	0.36	46,46,46,46	0
87	MG	1	3728	1/1	0.95	0.26	75,75,75,75	0
87	MG	1	3526	1/1	0.95	0.29	38,38,38,38	0
87	MG	6	1946	1/1	0.95	0.30	48,48,48,48	0
88	OHX	1	4058	7/7	0.95	0.13	106,106,106,106	6
87	MG	O2	201	1/1	0.95	0.65	36,36,36,36	1
88	OHX	2	2138	7/7	0.95	0.36	72,72,72,72	6
87	MG	1	3570	1/1	0.95	0.40	37,37,37,37	0
87	MG	1	3607	1/1	0.95	0.19	45,45,45,45	0
88	OHX	7	224	7/7	0.95	0.27	51,51,51,51	4
88	OHX	7	225	7/7	0.95	0.25	43,43,43,43	4
87	MG	5	3553	1/1	0.95	0.32	36,36,36,36	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
87	MG	5	3659	1/1	0.95	0.27	49,49,49,49	0
88	OHX	8	214	7/7	0.95	0.30	80,80,80,80	4
88	OHX	8	219	7/7	0.95	0.25	59,59,59,59	2
87	MG	1	3571	1/1	0.95	0.40	48,48,48,48	0
87	MG	m3	201	1/1	0.95	0.19	40,40,40,40	0
87	MG	5	3555	1/1	0.95	0.32	36,36,36,36	0
88	OHX	8	226	7/7	0.95	0.23	92,92,92,92	5
87	MG	1	3735	1/1	0.95	1.81	38,38,38,38	0
87	MG	m7	203	1/1	0.95	0.30	35,35,35,35	0
87	MG	1	3502	1/1	0.95	0.28	38,38,38,38	0
87	MG	5	3743	1/1	0.95	0.23	45,45,45,45	0
87	MG	6	1956	1/1	0.95	0.34	61,61,61,61	0
87	MG	5	3461	1/1	0.95	0.51	48,48,48,48	0
87	MG	n8	202	1/1	0.95	0.27	51,51,51,51	0
87	MG	1	3636	1/1	0.95	0.32	58,58,58,58	0
87	MG	6	1958	1/1	0.95	0.47	51,51,51,51	0
87	MG	1	3547	1/1	0.95	0.47	38,38,38,38	0
88	OHX	m0	302	7/7	0.95	0.27	97,97,97,97	4
88	OHX	c8	201	7/7	0.95	0.22	94,94,94,94	5
87	MG	5	3750	1/1	0.95	0.14	47,47,47,47	0
87	MG	2	1928	1/1	0.95	0.32	74,74,74,74	0
87	MG	5	3752	1/1	0.95	0.37	41,41,41,41	1
88	OHX	q1	702	7/7	0.95	0.20	48,48,48,48	3
88	OHX	5	3840	7/7	0.95	0.33	65,65,65,65	2
88	OHX	5	3871	7/7	0.95	0.39	42,42,42,42	3
87	MG	4	215	1/1	0.95	0.94	51,51,51,51	1
88	OHX	5	3904	7/7	0.95	0.30	67,67,67,67	3
88	OHX	5	3905	7/7	0.95	0.27	118,118,118,118	3
87	MG	5	3407	1/1	0.96	0.32	36,36,36,36	0
87	MG	m7	201	1/1	0.96	0.40	40,40,40,40	0
87	MG	5	3489	1/1	0.96	0.33	40,40,40,40	0
87	MG	1	3491	1/1	0.96	0.27	44,44,44,44	0
87	MG	1	3525	1/1	0.96	0.33	35,35,35,35	0
87	MG	1	3408	1/1	0.96	0.31	38,38,38,38	0
88	OHX	5	3927	7/7	0.96	0.22	48,48,48,48	2
87	MG	1	4109	1/1	0.96	0.20	56,56,56,56	0
88	OHX	1	3802	7/7	0.96	0.35	66,66,66,66	3
88	OHX	1	3820	7/7	0.96	0.28	86,86,86,86	3
88	OHX	1	3827	7/7	0.96	0.24	73,73,73,73	1
88	OHX	5	3934	7/7	0.96	0.28	98,98,98,98	2
87	MG	5	3494	1/1	0.96	0.25	35,35,35,35	0
87	MG	1	3452	1/1	0.96	0.31	36,36,36,36	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
88	OHX	5	3953	7/7	0.96	0.25	101,101,101,101	2
88	OHX	5	3954	7/7	0.96	0.23	73,73,73,73	3
88	OHX	5	3956	7/7	0.96	0.28	81,81,81,81	3
88	OHX	1	3839	7/7	0.96	0.27	55,55,55,55	3
87	MG	2	1991	1/1	0.96	0.13	76,76,76,76	0
87	MG	1	3495	1/1	0.96	0.31	40,40,40,40	0
87	MG	5	3500	1/1	0.96	0.30	41,41,41,41	0
88	OHX	5	3963	7/7	0.96	0.33	64,64,64,64	2
88	OHX	5	3965	7/7	0.96	0.34	61,61,61,61	3
87	MG	1	3455	1/1	0.96	0.40	32,32,32,32	0
87	MG	5	3503	1/1	0.96	0.09	47,47,47,47	0
87	MG	5	3630	1/1	0.96	0.27	55,55,55,55	0
87	MG	1	3668	1/1	0.96	0.21	51,51,51,51	0
87	MG	5	3505	1/1	0.96	0.23	52,52,52,52	0
88	OHX	5	3986	7/7	0.96	0.21	46,46,46,46	3
88	OHX	1	3873	7/7	0.96	0.27	50,50,50,50	2
88	OHX	1	3875	7/7	0.96	0.21	86,86,86,86	3
88	OHX	1	3884	7/7	0.96	0.25	54,54,54,54	3
88	OHX	1	3889	7/7	0.96	0.20	49,49,49,49	3
87	MG	5	3740	1/1	0.96	0.33	34,34,34,34	0
87	MG	1	3669	1/1	0.96	0.25	38,38,38,38	0
88	OHX	2	2007	7/7	0.96	0.19	136,136,136,136	6
88	OHX	5	3995	7/7	0.96	0.28	68,68,68,68	5
88	OHX	1	3897	7/7	0.96	0.21	51,51,51,51	5
87	MG	5	3507	1/1	0.96	0.45	37,37,37,37	0
87	MG	5	3510	1/1	0.96	0.36	35,35,35,35	0
87	MG	5	3744	1/1	0.96	0.11	42,42,42,42	0
88	OHX	5	4000	7/7	0.96	0.26	48,48,48,48	4
88	OHX	5	4002	7/7	0.96	0.27	63,63,63,63	4
87	MG	5	3512	1/1	0.96	0.12	40,40,40,40	0
88	OHX	2	2023	7/7	0.96	0.29	111,111,111,111	2
88	OHX	5	4008	7/7	0.96	0.28	40,40,40,40	3
88	OHX	2	2024	7/7	0.96	0.16	98,98,98,98	6
88	OHX	1	4107	7/7	0.96	0.23	151,151,151,151	6
88	OHX	2	2026	7/7	0.96	0.18	99,99,99,99	3
88	OHX	1	3910	7/7	0.96	0.20	75,75,75,75	3
88	OHX	1	3911	7/7	0.96	0.22	64,64,64,64	4
88	OHX	5	4017	7/7	0.96	0.21	69,69,69,69	4
88	OHX	2	2031	7/7	0.96	0.17	102,102,102,102	1
87	MG	5	3513	1/1	0.96	0.30	48,48,48,48	0
88	OHX	5	4021	7/7	0.96	0.21	41,41,41,41	5
88	OHX	2	2036	7/7	0.96	0.25	75,75,75,75	5

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
88	OHX	4	228	7/7	0.96	0.26	96,96,96,96	3
88	OHX	1	3916	7/7	0.96	0.23	45,45,45,45	2
88	OHX	1	3919	7/7	0.96	0.17	96,96,96,96	3
88	OHX	2	2037	7/7	0.96	0.24	102,102,102,102	3
88	OHX	2	2038	7/7	0.96	0.18	110,110,110,110	3
87	MG	2	1961	1/1	0.96	0.17	101,101,101,101	0
88	OHX	1	3932	7/7	0.96	0.19	87,87,87,87	2
88	OHX	L4	401	7/7	0.96	0.31	61,61,61,61	6
88	OHX	1	3933	7/7	0.96	0.26	53,53,53,53	4
88	OHX	2	2044	7/7	0.96	0.16	130,130,130,130	7
88	OHX	1	3937	7/7	0.96	0.21	54,54,54,54	4
87	MG	5	3518	1/1	0.96	0.41	31,31,31,31	0
87	MG	1	3441	1/1	0.96	0.29	56,56,56,56	0
88	OHX	1	3942	7/7	0.96	0.17	87,87,87,87	3
87	MG	1	3474	1/1	0.96	0.32	43,43,43,43	0
88	OHX	2	2050	7/7	0.96	0.21	77,77,77,77	3
87	MG	6	1903	1/1	0.96	0.15	53,53,53,53	0
87	MG	1	3623	1/1	0.96	0.37	48,48,48,48	0
88	OHX	6	2029	7/7	0.96	0.31	67,67,67,67	5
87	MG	1	3442	1/1	0.96	0.33	45,45,45,45	0
88	OHX	6	2044	7/7	0.96	0.25	51,51,51,51	3
88	OHX	6	2051	7/7	0.96	0.26	123,123,123,123	5
88	OHX	6	2052	7/7	0.96	0.26	73,73,73,73	2
88	OHX	5	4056	7/7	0.96	0.23	49,49,49,49	5
88	OHX	6	2061	7/7	0.96	0.21	84,84,84,84	2
88	OHX	1	3952	7/7	0.96	0.22	46,46,46,46	5
87	MG	1	3477	1/1	0.96	0.16	41,41,41,41	0
88	OHX	1	3954	7/7	0.96	0.25	54,54,54,54	3
87	MG	5	3526	1/1	0.96	0.40	35,35,35,35	0
88	OHX	6	2070	7/7	0.96	0.19	86,86,86,86	3
88	OHX	1	3958	7/7	0.96	0.25	47,47,47,47	4
88	OHX	5	4065	7/7	0.96	0.25	82,82,82,82	3
88	OHX	1	3961	7/7	0.96	0.24	41,41,41,41	4
88	OHX	5	4067	7/7	0.96	0.17	41,41,41,41	4
88	OHX	5	4068	7/7	0.96	0.32	38,38,38,38	4
88	OHX	6	2075	7/7	0.96	0.19	71,71,71,71	2
88	OHX	2	2058	7/7	0.96	0.22	61,61,61,61	3
88	OHX	1	3963	7/7	0.96	0.19	58,58,58,58	3
88	OHX	5	4073	7/7	0.96	0.20	47,47,47,47	2
88	OHX	6	2083	7/7	0.96	0.32	85,85,85,85	7
87	MG	5	3527	1/1	0.96	0.27	39,39,39,39	0
87	MG	5	3428	1/1	0.96	0.13	34,34,34,34	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
88	OHX	5	4077	7/7	0.96	0.28	53,53,53,53	5
87	MG	5	3529	1/1	0.96	0.50	28,28,28,28	0
87	MG	1	3626	1/1	0.96	0.19	43,43,43,43	0
87	MG	5	3431	1/1	0.96	0.43	44,44,44,44	0
88	OHX	2	2067	7/7	0.96	0.19	124,124,124,124	5
88	OHX	6	2093	7/7	0.96	0.21	47,47,47,47	2
87	MG	5	3533	1/1	0.96	0.30	54,54,54,54	0
88	OHX	6	2095	7/7	0.96	0.24	104,104,104,104	3
88	OHX	5	4085	7/7	0.96	0.24	66,66,66,66	3
88	OHX	2	2069	7/7	0.96	0.13	122,122,122,122	3
88	OHX	5	4087	7/7	0.96	0.30	45,45,45,45	6
87	MG	4	205	1/1	0.96	0.28	40,40,40,40	0
88	OHX	1	3977	7/7	0.96	0.21	51,51,51,51	3
88	OHX	6	2100	7/7	0.96	0.18	65,65,65,65	4
88	OHX	1	3978	7/7	0.96	0.19	74,74,74,74	5
88	OHX	6	2103	7/7	0.96	0.27	90,90,90,90	7
88	OHX	6	2105	7/7	0.96	0.16	83,83,83,83	2
88	OHX	1	3979	7/7	0.96	0.20	69,69,69,69	3
87	MG	6	1911	1/1	0.96	0.23	91,91,91,91	0
88	OHX	1	3981	7/7	0.96	0.24	49,49,49,49	3
87	MG	2	1947	1/1	0.96	0.20	98,98,98,98	0
88	OHX	2	2073	7/7	0.96	0.21	64,64,64,64	4
88	OHX	6	2112	7/7	0.96	0.22	69,69,69,69	3
87	MG	1	3588	1/1	0.96	0.28	55,55,55,55	0
88	OHX	1	3988	7/7	0.96	0.27	68,68,68,68	3
87	MG	1	3509	1/1	0.96	0.16	39,39,39,39	0
87	MG	5	3540	1/1	0.96	0.40	36,36,36,36	0
88	OHX	2	2081	7/7	0.96	0.23	78,78,78,78	6
87	MG	5	3769	1/1	0.96	0.94	43,43,43,43	1
87	MG	1	3725	1/1	0.96	0.26	43,43,43,43	0
88	OHX	5	4109	7/7	0.96	0.34	68,68,68,68	6
87	MG	5	3771	1/1	0.96	0.17	38,38,38,38	0
87	MG	5	3543	1/1	0.96	0.24	41,41,41,41	0
88	OHX	1	3998	7/7	0.96	0.20	67,67,67,67	3
87	MG	5	3544	1/1	0.96	0.40	54,54,54,54	0
87	MG	6	1916	1/1	0.96	0.16	71,71,71,71	0
87	MG	1	3630	1/1	0.96	0.13	40,40,40,40	0
88	OHX	1	4004	7/7	0.96	0.26	59,59,59,59	4
88	OHX	6	2131	7/7	0.96	0.26	53,53,53,53	4
87	MG	1	3590	1/1	0.96	0.39	70,70,70,70	0
87	MG	1	3480	1/1	0.96	0.17	55,55,55,55	0
88	OHX	6	2135	7/7	0.96	0.11	88,88,88,88	5

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
87	MG	1	3633	1/1	0.96	0.25	52,52,52,52	0
88	OHX	1	4008	7/7	0.96	0.25	53,53,53,53	6
87	MG	1	3542	1/1	0.96	0.31	36,36,36,36	0
88	OHX	2	2097	7/7	0.96	0.21	88,88,88,88	4
87	MG	5	3448	1/1	0.96	0.33	34,34,34,34	0
87	MG	1	3444	1/1	0.96	0.22	44,44,44,44	0
87	MG	1	3732	1/1	0.96	0.40	37,37,37,37	0
88	OHX	1	4014	7/7	0.96	0.22	53,53,53,53	3
87	MG	1	3687	1/1	0.96	0.47	41,41,41,41	1
88	OHX	2	2103	7/7	0.96	0.27	77,77,77,77	3
87	MG	L3	401	1/1	0.96	0.19	41,41,41,41	0
87	MG	5	3679	1/1	0.96	0.14	50,50,50,50	0
88	OHX	6	2148	7/7	0.96	0.15	93,93,93,93	5
87	MG	6	1927	1/1	0.96	0.28	54,54,54,54	0
87	MG	5	3560	1/1	0.96	0.43	34,34,34,34	0
87	MG	1	3595	1/1	0.96	0.35	45,45,45,45	0
87	MG	6	1929	1/1	0.96	0.29	68,68,68,68	0
87	MG	1	3513	1/1	0.96	0.26	50,50,50,50	0
87	MG	6	2001	1/1	0.96	0.81	51,51,51,51	0
88	OHX	5	4141	7/7	0.96	0.23	74,74,74,74	3
87	MG	2	1927	1/1	0.96	0.29	95,95,95,95	0
88	OHX	1	4026	7/7	0.96	0.21	51,51,51,51	2
88	OHX	6	2157	7/7	0.96	0.28	51,51,51,51	3
87	MG	5	3570	1/1	0.96	0.30	38,38,38,38	0
87	MG	5	3572	1/1	0.96	0.46	32,32,32,32	0
87	MG	5	3689	1/1	0.96	1.08	39,39,39,39	1
87	MG	1	3548	1/1	0.96	0.40	35,35,35,35	0
87	MG	5	3576	1/1	0.96	0.22	35,35,35,35	0
87	MG	5	4164	1/1	0.96	0.36	55,55,55,55	0
87	MG	5	4165	1/1	0.96	1.10	39,39,39,39	1
87	MG	1	3549	1/1	0.96	0.27	39,39,39,39	0
87	MG	6	1935	1/1	0.96	0.35	50,50,50,50	0
87	MG	6	2008	1/1	0.96	0.26	83,83,83,83	0
87	MG	M0	301	1/1	0.96	0.29	42,42,42,42	0
87	MG	5	3696	1/1	0.96	0.11	56,56,56,56	0
88	OHX	2	2125	7/7	0.96	0.09	113,113,113,113	4
87	MG	5	3586	1/1	0.96	0.38	31,31,31,31	0
87	MG	5	3587	1/1	0.96	0.40	39,39,39,39	0
88	OHX	7	223	7/7	0.96	0.29	65,65,65,65	1
87	MG	1	3600	1/1	0.96	0.28	48,48,48,48	0
87	MG	5	3590	1/1	0.96	0.39	37,37,37,37	0
87	MG	7	210	1/1	0.96	0.32	49,49,49,49	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
87	MG	1	3601	1/1	0.96	0.37	47,47,47,47	0
88	OHX	1	4048	7/7	0.96	0.17	52,52,52,52	3
88	OHX	8	218	7/7	0.96	0.27	73,73,73,73	2
87	MG	6	1939	1/1	0.96	0.14	57,57,57,57	0
88	OHX	8	220	7/7	0.96	0.25	75,75,75,75	3
88	OHX	8	222	7/7	0.96	0.23	59,59,59,59	3
87	MG	5	3469	1/1	0.96	0.28	38,38,38,38	0
87	MG	5	3596	1/1	0.96	0.18	46,46,46,46	0
87	MG	1	3516	1/1	0.96	0.36	36,36,36,36	0
87	MG	8	201	1/1	0.96	0.15	51,51,51,51	0
87	MG	1	3744	1/1	0.96	0.36	34,34,34,34	0
87	MG	1	3553	1/1	0.96	0.28	41,41,41,41	0
87	MG	6	1944	1/1	0.96	0.26	70,70,70,70	0
87	MG	1	3433	1/1	0.96	0.28	37,37,37,37	0
87	MG	1	3651	1/1	0.96	0.19	58,58,58,58	0
88	OHX	8	232	7/7	0.96	0.15	48,48,48,48	3
87	MG	1	3556	1/1	0.96	0.37	29,29,29,29	0
88	OHX	14	401	7/7	0.96	0.34	69,69,69,69	5
87	MG	2	1984	1/1	0.96	0.31	57,57,57,57	0
87	MG	1	3435	1/1	0.96	0.46	35,35,35,35	0
87	MG	6	1950	1/1	0.96	0.18	76,76,76,76	0
87	MG	5	3483	1/1	0.96	0.16	68,68,68,68	0
87	MG	1	3560	1/1	0.96	0.60	35,35,35,35	0
87	MG	13	401	1/1	0.96	0.44	31,31,31,31	0
88	OHX	5	3853	7/7	0.96	0.29	69,69,69,69	2
88	OHX	5	3858	7/7	0.96	0.31	45,45,45,45	4
87	MG	1	3488	1/1	0.96	0.33	46,46,46,46	0
88	OHX	5	3872	7/7	0.96	0.33	71,71,71,71	3
88	OHX	5	3894	7/7	0.96	0.26	56,56,56,56	4
89	ZN	D9	101	1/1	0.96	0.11	86,86,86,86	0
88	OHX	1	4068	7/7	0.96	0.27	50,50,50,50	6
87	MG	2	1985	1/1	0.96	0.18	81,81,81,81	0
87	MG	5	3614	1/1	0.96	0.20	44,44,44,44	0
87	MG	1	3523	1/1	0.96	0.42	33,33,33,33	0
87	MG	5	3549	1/1	0.97	0.37	56,56,56,56	0
88	OHX	M5	301	7/7	0.97	0.20	66,66,66,66	4
87	MG	2	1929	1/1	0.97	0.20	75,75,75,75	0
87	MG	6	1909	1/1	0.97	0.21	109,109,109,109	0
87	MG	1	3425	1/1	0.97	0.33	48,48,48,48	0
88	OHX	5	3964	7/7	0.97	0.24	53,53,53,53	5
88	OHX	2	2019	7/7	0.97	0.24	93,93,93,93	3
87	MG	L7	301	1/1	0.97	0.24	41,41,41,41	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
87	MG	5	3433	1/1	0.97	0.18	60,60,60,60	0
88	OHX	5	3970	7/7	0.97	0.20	57,57,57,57	3
88	OHX	5	3971	7/7	0.97	0.17	43,43,43,43	2
88	OHX	5	3972	7/7	0.97	0.22	60,60,60,60	4
88	OHX	5	3973	7/7	0.97	0.22	153,153,153,153	7
88	OHX	5	3975	7/7	0.97	0.22	70,70,70,70	2
88	OHX	5	3976	7/7	0.97	0.24	50,50,50,50	4
88	OHX	O7	106	7/7	0.97	0.25	55,55,55,55	3
88	OHX	5	3978	7/7	0.97	0.20	45,45,45,45	3
88	OHX	5	3979	7/7	0.97	0.35	84,84,84,84	3
88	OHX	5	3980	7/7	0.97	0.28	54,54,54,54	3
87	MG	5	3633	1/1	0.97	0.30	43,43,43,43	0
88	OHX	2	2025	7/7	0.97	0.21	74,74,74,74	4
88	OHX	5	3985	7/7	0.97	0.23	46,46,46,46	4
88	OHX	6	2032	7/7	0.97	0.22	131,131,131,131	3
88	OHX	6	2035	7/7	0.97	0.21	82,82,82,82	3
88	OHX	6	2039	7/7	0.97	0.17	123,123,123,123	3
87	MG	6	1955	1/1	0.97	0.36	64,64,64,64	0
88	OHX	2	2027	7/7	0.97	0.15	94,94,94,94	5
88	OHX	6	2049	7/7	0.97	0.25	95,95,95,95	2
88	OHX	6	2050	7/7	0.97	0.21	87,87,87,87	3
88	OHX	2	2028	7/7	0.97	0.21	74,74,74,74	4
87	MG	5	3556	1/1	0.97	0.35	33,33,33,33	0
88	OHX	6	2057	7/7	0.97	0.21	65,65,65,65	2
88	OHX	6	2059	7/7	0.97	0.23	67,67,67,67	4
88	OHX	6	2060	7/7	0.97	0.21	96,96,96,96	3
88	OHX	1	3992	7/7	0.97	0.31	82,82,82,82	5
88	OHX	6	2063	7/7	0.97	0.18	138,138,138,138	4
88	OHX	5	4001	7/7	0.97	0.21	40,40,40,40	3
88	OHX	2	2033	7/7	0.97	0.15	91,91,91,91	7
87	MG	1	3594	1/1	0.97	0.42	50,50,50,50	0
87	MG	6	2004	1/1	0.97	0.15	90,90,90,90	0
88	OHX	5	4006	7/7	0.97	0.21	49,49,49,49	2
87	MG	1	3533	1/1	0.97	0.30	50,50,50,50	0
88	OHX	5	4009	7/7	0.97	0.26	41,41,41,41	3
88	OHX	5	4010	7/7	0.97	0.26	62,62,62,62	4
88	OHX	6	2069	7/7	0.97	0.20	74,74,74,74	4
87	MG	5	3561	1/1	0.97	0.40	35,35,35,35	0
87	MG	5	3714	1/1	0.97	0.80	39,39,39,39	1
88	OHX	6	2072	7/7	0.97	0.18	70,70,70,70	3
88	OHX	1	4000	7/7	0.97	0.28	104,104,104,104	5
88	OHX	6	2074	7/7	0.97	0.19	71,71,71,71	2

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
88	OHX	2	2040	7/7	0.97	0.23	68,68,68,68	4
88	OHX	6	2076	7/7	0.97	0.19	54,54,54,54	5
88	OHX	5	4020	7/7	0.97	0.30	40,40,40,40	2
88	OHX	2	2041	7/7	0.97	0.15	110,110,110,110	5
88	OHX	6	2079	7/7	0.97	0.22	52,52,52,52	4
88	OHX	5	4023	7/7	0.97	0.19	97,97,97,97	5
88	OHX	5	4024	7/7	0.97	0.32	74,74,74,74	5
88	OHX	1	4003	7/7	0.97	0.18	57,57,57,57	4
88	OHX	5	4026	7/7	0.97	0.20	68,68,68,68	6
88	OHX	6	2082	7/7	0.97	0.17	93,93,93,93	4
88	OHX	2	2042	7/7	0.97	0.16	100,100,100,100	4
88	OHX	5	4029	7/7	0.97	0.24	49,49,49,49	4
87	MG	5	3715	1/1	0.97	0.33	39,39,39,39	0
88	OHX	2	2045	7/7	0.97	0.34	65,65,65,65	4
88	OHX	5	4032	7/7	0.97	0.30	51,51,51,51	3
87	MG	5	3640	1/1	0.97	0.23	38,38,38,38	0
88	OHX	S1	301	7/7	0.97	0.18	117,117,117,117	3
87	MG	1	3514	1/1	0.97	0.35	35,35,35,35	0
88	OHX	6	2091	7/7	0.97	0.20	90,90,90,90	5
87	MG	1	3447	1/1	0.97	0.24	41,41,41,41	0
88	OHX	5	4038	7/7	0.97	0.25	65,65,65,65	4
87	MG	6	1960	1/1	0.97	0.18	52,52,52,52	0
88	OHX	5	4040	7/7	0.97	0.24	40,40,40,40	4
87	MG	1	4112	1/1	0.97	0.81	35,35,35,35	1
87	MG	5	3501	1/1	0.97	0.33	33,33,33,33	0
88	OHX	5	4043	7/7	0.97	0.23	46,46,46,46	5
87	MG	1	3432	1/1	0.97	0.14	51,51,51,51	0
88	OHX	2	2054	7/7	0.97	0.15	104,104,104,104	5
88	OHX	1	3787	7/7	0.97	0.28	70,70,70,70	3
87	MG	5	3571	1/1	0.97	0.41	39,39,39,39	0
88	OHX	5	4048	7/7	0.97	0.21	41,41,41,41	5
88	OHX	6	2101	7/7	0.97	0.15	88,88,88,88	3
88	OHX	1	3807	7/7	0.97	0.26	86,86,86,86	3
88	OHX	1	3809	7/7	0.97	0.28	77,77,77,77	3
88	OHX	6	2104	7/7	0.97	0.16	83,83,83,83	5
88	OHX	1	3810	7/7	0.97	0.28	89,89,89,89	4
88	OHX	1	3812	7/7	0.97	0.30	100,100,100,100	3
88	OHX	1	3816	7/7	0.97	0.28	66,66,66,66	5
87	MG	1	3497	1/1	0.97	0.42	34,34,34,34	0
88	OHX	1	3824	7/7	0.97	0.27	57,57,57,57	2
87	MG	5	3573	1/1	0.97	0.48	41,41,41,41	0
88	OHX	5	4060	7/7	0.97	0.25	38,38,38,38	4

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
88	OHX	1	3829	7/7	0.97	0.24	60,60,60,60	2
88	OHX	2	2059	7/7	0.97	0.14	90,90,90,90	1
88	OHX	1	4028	7/7	0.97	0.30	70,70,70,70	4
88	OHX	6	2116	7/7	0.97	0.18	62,62,62,62	3
87	MG	5	3574	1/1	0.97	0.37	41,41,41,41	0
87	MG	5	3652	1/1	0.97	0.29	44,44,44,44	0
87	MG	7	203	1/1	0.97	0.39	57,57,57,57	0
88	OHX	1	3845	7/7	0.97	0.22	70,70,70,70	2
88	OHX	6	2121	7/7	0.97	0.16	89,89,89,89	5
88	OHX	6	2122	7/7	0.97	0.20	64,64,64,64	3
87	MG	1	3498	1/1	0.97	0.42	32,32,32,32	0
87	MG	1	3440	1/1	0.97	0.24	52,52,52,52	0
87	MG	5	3656	1/1	0.97	0.35	42,42,42,42	0
87	MG	1	3414	1/1	0.97	0.21	45,45,45,45	0
88	OHX	1	3861	7/7	0.97	0.32	99,99,99,99	3
87	MG	1	3543	1/1	0.97	0.26	36,36,36,36	0
88	OHX	1	3868	7/7	0.97	0.27	68,68,68,68	3
87	MG	5	3580	1/1	0.97	0.47	44,44,44,44	0
87	MG	5	3508	1/1	0.97	0.40	34,34,34,34	0
87	MG	5	3584	1/1	0.97	0.33	31,31,31,31	0
87	MG	5	3509	1/1	0.97	0.25	43,43,43,43	0
88	OHX	1	3876	7/7	0.97	0.20	56,56,56,56	4
88	OHX	1	4045	7/7	0.97	0.19	45,45,45,45	4
88	OHX	1	3877	7/7	0.97	0.25	44,44,44,44	1
88	OHX	1	3880	7/7	0.97	0.24	62,62,62,62	4
88	OHX	1	3881	7/7	0.97	0.30	60,60,60,60	1
87	MG	1	3410	1/1	0.97	0.38	55,55,55,55	0
88	OHX	1	3886	7/7	0.97	0.22	124,124,124,124	4
88	OHX	1	3888	7/7	0.97	0.26	45,45,45,45	3
87	MG	6	1970	1/1	0.97	0.22	52,52,52,52	0
88	OHX	2	2076	7/7	0.97	0.14	78,78,78,78	2
88	OHX	1	3891	7/7	0.97	0.18	63,63,63,63	3
87	MG	1	3522	1/1	0.97	0.21	48,48,48,48	0
88	OHX	2	2079	7/7	0.97	0.15	122,122,122,122	6
88	OHX	5	4096	7/7	0.97	0.24	55,55,55,55	4
88	OHX	1	3894	7/7	0.97	0.19	49,49,49,49	4
88	OHX	1	3896	7/7	0.97	0.17	57,57,57,57	4
88	OHX	2	2080	7/7	0.97	0.17	107,107,107,107	7
88	OHX	1	3898	7/7	0.97	0.30	80,80,80,80	5
87	MG	5	3515	1/1	0.97	0.10	42,42,42,42	0
87	MG	5	3516	1/1	0.97	0.41	36,36,36,36	0
87	MG	3	220	1/1	0.97	0.34	49,49,49,49	1

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
88	OHX	2	2084	7/7	0.97	0.17	87,87,87,87	3
88	OHX	1	3905	7/7	0.97	0.26	52,52,52,52	2
87	MG	1	3734	1/1	0.97	0.16	35,35,35,35	0
88	OHX	5	4107	7/7	0.97	0.27	48,48,48,48	5
88	OHX	2	2086	7/7	0.97	0.21	94,94,94,94	4
87	MG	1	3572	1/1	0.97	0.31	44,44,44,44	0
88	OHX	1	3909	7/7	0.97	0.19	68,68,68,68	3
87	MG	6	1976	1/1	0.97	0.27	54,54,54,54	0
88	OHX	2	2089	7/7	0.97	0.18	88,88,88,88	3
87	MG	5	3598	1/1	0.97	0.11	50,50,50,50	0
87	MG	6	1977	1/1	0.97	0.09	70,70,70,70	0
87	MG	1	3487	1/1	0.97	0.35	35,35,35,35	0
87	MG	5	3405	1/1	0.97	0.40	34,34,34,34	0
88	OHX	1	3917	7/7	0.97	0.23	52,52,52,52	5
87	MG	1	3574	1/1	0.97	0.18	41,41,41,41	0
88	OHX	1	3922	7/7	0.97	0.26	74,74,74,74	4
87	MG	5	3603	1/1	0.97	0.24	38,38,38,38	0
87	MG	12	303	1/1	0.97	0.49	45,45,45,45	0
87	MG	1	3575	1/1	0.97	0.37	35,35,35,35	0
88	OHX	1	3927	7/7	0.97	0.26	48,48,48,48	4
88	OHX	6	2174	7/7	0.97	0.17	86,86,86,86	6
88	OHX	1	3931	7/7	0.97	0.28	53,53,53,53	4
88	OHX	5	4126	7/7	0.97	0.24	53,53,53,53	6
87	MG	1	3639	1/1	0.97	0.17	58,58,58,58	0
87	MG	4	208	1/1	0.97	0.33	49,49,49,49	0
88	OHX	1	3934	7/7	0.97	0.16	65,65,65,65	3
87	MG	m0	301	1/1	0.97	0.22	45,45,45,45	0
87	MG	1	3503	1/1	0.97	0.48	34,34,34,34	0
87	MG	2	1964	1/1	0.97	0.22	69,69,69,69	0
87	MG	1	3643	1/1	0.97	0.32	35,35,35,35	0
88	OHX	1	3941	7/7	0.97	0.26	46,46,46,46	3
87	MG	5	3532	1/1	0.97	0.40	37,37,37,37	0
88	OHX	1	3943	7/7	0.97	0.18	89,89,89,89	3
88	OHX	1	3944	7/7	0.97	0.20	44,44,44,44	1
88	OHX	1	3945	7/7	0.97	0.18	52,52,52,52	1
88	OHX	1	3946	7/7	0.97	0.19	56,56,56,56	3
87	MG	m7	202	1/1	0.97	0.29	37,37,37,37	0
87	MG	1	3583	1/1	0.97	0.25	42,42,42,42	0
87	MG	1	3584	1/1	0.97	0.36	43,43,43,43	0
87	MG	5	3613	1/1	0.97	0.26	45,45,45,45	0
87	MG	5	3473	1/1	0.97	0.48	59,59,59,59	0
87	MG	1	3551	1/1	0.97	0.24	32,32,32,32	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
88	OHX	5	3838	7/7	0.97	0.36	62,62,62,62	3
87	MG	6	1941	1/1	0.97	0.43	47,47,47,47	0
87	MG	5	3765	1/1	0.97	0.15	47,47,47,47	0
88	OHX	5	3854	7/7	0.97	0.29	80,80,80,80	3
88	OHX	5	3856	7/7	0.97	0.28	60,60,60,60	2
87	MG	1	3505	1/1	0.97	0.42	36,36,36,36	0
88	OHX	5	3861	7/7	0.97	0.27	55,55,55,55	2
88	OHX	5	3864	7/7	0.97	0.25	87,87,87,87	3
88	OHX	1	3957	7/7	0.97	0.19	48,48,48,48	3
88	OHX	3	211	7/7	0.97	0.34	55,55,55,55	2
88	OHX	5	3873	7/7	0.97	0.27	65,65,65,65	3
88	OHX	5	3879	7/7	0.97	0.23	61,61,61,61	3
88	OHX	5	3886	7/7	0.97	0.29	66,66,66,66	3
88	OHX	3	213	7/7	0.97	0.17	76,76,76,76	4
88	OHX	7	218	7/7	0.97	0.30	56,56,56,56	2
88	OHX	5	3897	7/7	0.97	0.22	76,76,76,76	2
88	OHX	3	214	7/7	0.97	0.21	77,77,77,77	4
88	OHX	5	3899	7/7	0.97	0.26	72,72,72,72	2
88	OHX	5	3901	7/7	0.97	0.29	67,67,67,67	2
87	MG	1	3648	1/1	0.97	0.15	46,46,46,46	0
88	OHX	1	3960	7/7	0.97	0.26	110,110,110,110	2
88	OHX	8	217	7/7	0.97	0.26	85,85,85,85	3
87	MG	6	1901	1/1	0.97	0.25	55,55,55,55	0
88	OHX	5	3910	7/7	0.97	0.19	64,64,64,64	4
87	MG	5	3422	1/1	0.97	0.25	40,40,40,40	0
88	OHX	8	221	7/7	0.97	0.24	42,42,42,42	4
87	MG	1	3453	1/1	0.97	0.25	51,51,51,51	0
88	OHX	4	222	7/7	0.97	0.24	57,57,57,57	3
87	MG	1	3508	1/1	0.97	0.35	37,37,37,37	0
88	OHX	4	227	7/7	0.97	0.22	42,42,42,42	3
87	MG	1	3476	1/1	0.97	0.21	43,43,43,43	0
88	OHX	5	3926	7/7	0.97	0.28	41,41,41,41	5
88	OHX	4	229	7/7	0.97	0.21	92,92,92,92	3
88	OHX	5	3928	7/7	0.97	0.22	101,101,101,101	3
88	OHX	5	3929	7/7	0.97	0.26	42,42,42,42	4
87	MG	5	3698	1/1	0.97	0.27	65,65,65,65	0
87	MG	f	1002	1/1	0.97	0.22	58,58,58,58	0
88	OHX	1	3968	7/7	0.97	0.30	72,72,72,72	3
87	MG	1	3686	1/1	0.97	0.64	47,47,47,47	1
88	OHX	2	1999	7/7	0.97	0.22	104,104,104,104	2
88	OHX	5	3936	7/7	0.97	0.20	51,51,51,51	1
88	OHX	5	3938	7/7	0.97	0.26	41,41,41,41	4

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
88	OHX	2	2001	7/7	0.97	0.19	104,104,104,104	2
88	OHX	5	3940	7/7	0.97	0.23	42,42,42,42	2
88	OHX	m0	303	7/7	0.97	0.26	49,49,49,49	1
88	OHX	5	3943	7/7	0.97	0.21	69,69,69,69	2
88	OHX	5	3944	7/7	0.97	0.24	50,50,50,50	4
88	OHX	5	3946	7/7	0.97	0.23	100,100,100,100	3
88	OHX	5	3947	7/7	0.97	0.24	53,53,53,53	5
88	OHX	5	3948	7/7	0.97	0.22	50,50,50,50	3
88	OHX	q2	502	7/7	0.97	0.23	46,46,46,46	3
88	OHX	L3	404	7/7	0.97	0.19	68,68,68,68	2
88	OHX	1	3973	7/7	0.97	0.26	52,52,52,52	3
88	OHX	1	3974	7/7	0.97	0.16	61,61,61,61	5
89	ZN	Q2	501	1/1	0.97	0.07	79,79,79,79	0
89	ZN	d6	101	1/1	0.97	0.11	71,71,71,71	0
88	OHX	5	3955	7/7	0.97	0.20	42,42,42,42	2
87	MG	2	1921	1/1	0.97	0.27	69,69,69,69	0
88	OHX	5	3957	7/7	0.97	0.25	38,38,38,38	2
88	OHX	1	3955	7/7	0.98	0.28	100,100,100,100	2
88	OHX	1	3806	7/7	0.98	0.24	73,73,73,73	2
88	OHX	6	2132	7/7	0.98	0.15	61,61,61,61	5
87	MG	1	3409	1/1	0.98	0.36	37,37,37,37	0
88	OHX	5	4004	7/7	0.98	0.23	49,49,49,49	2
88	OHX	1	3808	7/7	0.98	0.24	52,52,52,52	1
88	OHX	1	3959	7/7	0.98	0.21	51,51,51,51	2
88	OHX	5	4007	7/7	0.98	0.23	35,35,35,35	3
88	OHX	2	1996	7/7	0.98	0.21	99,99,99,99	2
87	MG	5	3520	1/1	0.98	0.57	39,39,39,39	0
88	OHX	2	2000	7/7	0.98	0.18	102,102,102,102	3
88	OHX	1	3814	7/7	0.98	0.24	76,76,76,76	5
87	MG	1	3422	1/1	0.98	0.35	58,58,58,58	0
87	MG	5	3629	1/1	0.98	0.27	43,43,43,43	0
88	OHX	1	3821	7/7	0.98	0.23	83,83,83,83	3
88	OHX	2	2005	7/7	0.98	0.19	90,90,90,90	3
88	OHX	1	3825	7/7	0.98	0.27	90,90,90,90	3
87	MG	5	3435	1/1	0.98	0.26	39,39,39,39	0
88	OHX	1	3970	7/7	0.98	0.19	53,53,53,53	4
88	OHX	2	2008	7/7	0.98	0.20	89,89,89,89	3
88	OHX	1	3830	7/7	0.98	0.26	57,57,57,57	1
88	OHX	2	2093	7/7	0.98	0.17	91,91,91,91	7
88	OHX	1	3832	7/7	0.98	0.31	88,88,88,88	3
88	OHX	1	3837	7/7	0.98	0.28	64,64,64,64	3
87	MG	4	213	1/1	0.98	0.38	49,49,49,49	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
87	MG	1	3541	1/1	0.98	0.42	39,39,39,39	0
88	OHX	3	210	7/7	0.98	0.23	48,48,48,48	3
88	OHX	1	3840	7/7	0.98	0.15	90,90,90,90	5
88	OHX	1	3842	7/7	0.98	0.28	109,109,109,109	3
87	MG	5	3480	1/1	0.98	0.32	44,44,44,44	0
88	OHX	2	2017	7/7	0.98	0.17	118,118,118,118	5
88	OHX	2	2098	7/7	0.98	0.17	70,70,70,70	3
88	OHX	1	3847	7/7	0.98	0.25	42,42,42,42	2
88	OHX	1	3852	7/7	0.98	0.21	79,79,79,79	2
88	OHX	1	3986	7/7	0.98	0.20	41,41,41,41	2
88	OHX	1	3987	7/7	0.98	0.26	65,65,65,65	5
88	OHX	2	2018	7/7	0.98	0.19	83,83,83,83	3
88	OHX	4	224	7/7	0.98	0.23	81,81,81,81	4
88	OHX	4	225	7/7	0.98	0.19	57,57,57,57	3
88	OHX	4	226	7/7	0.98	0.20	75,75,75,75	1
88	OHX	1	3855	7/7	0.98	0.24	102,102,102,102	4
87	MG	1	3558	1/1	0.98	0.18	38,38,38,38	0
88	OHX	1	3858	7/7	0.98	0.20	61,61,61,61	3
87	MG	2	1916	1/1	0.98	0.17	60,60,60,60	0
88	OHX	1	3860	7/7	0.98	0.24	40,40,40,40	2
88	OHX	2	2021	7/7	0.98	0.18	71,71,71,71	4
88	OHX	1	3862	7/7	0.98	0.23	54,54,54,54	4
88	OHX	1	3996	7/7	0.98	0.23	55,55,55,55	5
88	OHX	1	3864	7/7	0.98	0.20	65,65,65,65	2
88	OHX	2	2022	7/7	0.98	0.18	78,78,78,78	2
88	OHX	5	4051	7/7	0.98	0.17	51,51,51,51	2
88	OHX	1	3866	7/7	0.98	0.23	53,53,53,53	3
88	OHX	1	3867	7/7	0.98	0.23	84,84,84,84	3
87	MG	1	3485	1/1	0.98	0.41	32,32,32,32	0
87	MG	1	4111	1/1	0.98	0.31	44,44,44,44	1
87	MG	5	3582	1/1	0.98	0.46	34,34,34,34	0
88	OHX	1	3871	7/7	0.98	0.21	50,50,50,50	4
88	OHX	1	3872	7/7	0.98	0.23	47,47,47,47	2
87	MG	5	3583	1/1	0.98	0.45	28,28,28,28	0
88	OHX	s1	301	7/7	0.98	0.21	91,91,91,91	2
88	OHX	1	3874	7/7	0.98	0.25	43,43,43,43	3
87	MG	6	1954	1/1	0.98	0.34	51,51,51,51	0
88	OHX	O3	203	7/7	0.98	0.23	47,47,47,47	3
87	MG	6	1922	1/1	0.98	0.36	60,60,60,60	0
88	OHX	2	2029	7/7	0.98	0.15	103,103,103,103	4
88	OHX	1	3878	7/7	0.98	0.20	46,46,46,46	4
88	OHX	Q2	503	7/7	0.98	0.22	45,45,45,45	2

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
88	OHX	6	2017	7/7	0.98	0.23	79,79,79,79	5
88	OHX	1	3879	7/7	0.98	0.19	82,82,82,82	3
88	OHX	5	3824	7/7	0.98	0.25	62,62,62,62	2
88	OHX	5	3826	7/7	0.98	0.28	47,47,47,47	3
88	OHX	5	4072	7/7	0.98	0.22	42,42,42,42	4
88	OHX	5	3829	7/7	0.98	0.24	56,56,56,56	2
88	OHX	5	3835	7/7	0.98	0.24	55,55,55,55	3
88	OHX	6	2031	7/7	0.98	0.23	81,81,81,81	3
88	OHX	2	2030	7/7	0.98	0.19	71,71,71,71	4
88	OHX	5	3842	7/7	0.98	0.30	77,77,77,77	3
88	OHX	5	3844	7/7	0.98	0.25	47,47,47,47	1
88	OHX	5	3845	7/7	0.98	0.28	79,79,79,79	4
88	OHX	5	3847	7/7	0.98	0.33	87,87,87,87	3
88	OHX	5	3848	7/7	0.98	0.24	58,58,58,58	3
88	OHX	5	3850	7/7	0.98	0.30	72,72,72,72	1
88	OHX	5	3851	7/7	0.98	0.22	41,41,41,41	3
88	OHX	5	3852	7/7	0.98	0.20	75,75,75,75	2
87	MG	1	3576	1/1	0.98	0.39	31,31,31,31	0
88	OHX	6	2036	7/7	0.98	0.20	58,58,58,58	2
88	OHX	6	2037	7/7	0.98	0.18	95,95,95,95	3
88	OHX	5	3857	7/7	0.98	0.24	52,52,52,52	3
88	OHX	2	2032	7/7	0.98	0.17	92,92,92,92	4
88	OHX	1	3885	7/7	0.98	0.18	51,51,51,51	3
87	MG	4	236	1/1	0.98	0.55	56,56,56,56	0
88	OHX	5	3866	7/7	0.98	0.25	61,61,61,61	2
88	OHX	5	3868	7/7	0.98	0.21	77,77,77,77	4
88	OHX	6	2046	7/7	0.98	0.21	60,60,60,60	3
88	OHX	6	2047	7/7	0.98	0.20	68,68,68,68	4
88	OHX	1	3887	7/7	0.98	0.21	63,63,63,63	1
88	OHX	5	3874	7/7	0.98	0.25	62,62,62,62	3
88	OHX	5	3875	7/7	0.98	0.28	53,53,53,53	3
88	OHX	5	3877	7/7	0.98	0.26	54,54,54,54	3
88	OHX	2	2034	7/7	0.98	0.17	79,79,79,79	5
88	OHX	5	3883	7/7	0.98	0.23	54,54,54,54	4
88	OHX	5	3885	7/7	0.98	0.24	42,42,42,42	3
87	MG	7	215	1/1	0.98	1.07	54,54,54,54	1
88	OHX	5	3887	7/7	0.98	0.31	87,87,87,87	3
88	OHX	5	3892	7/7	0.98	0.24	45,45,45,45	3
88	OHX	5	3893	7/7	0.98	0.20	76,76,76,76	4
87	MG	5	3588	1/1	0.98	0.29	37,37,37,37	0
88	OHX	6	2053	7/7	0.98	0.20	86,86,86,86	5
87	MG	1	3640	1/1	0.98	0.50	66,66,66,66	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
88	OHX	6	2058	7/7	0.98	0.21	77,77,77,77	3
88	OHX	5	3900	7/7	0.98	0.20	39,39,39,39	3
87	MG	5	3535	1/1	0.98	0.31	41,41,41,41	0
88	OHX	5	3902	7/7	0.98	0.19	39,39,39,39	3
88	OHX	5	3903	7/7	0.98	0.19	55,55,55,55	1
87	MG	5	3591	1/1	0.98	0.31	45,45,45,45	0
87	MG	1	3577	1/1	0.98	0.48	27,27,27,27	0
88	OHX	5	3907	7/7	0.98	0.26	41,41,41,41	2
88	OHX	5	3908	7/7	0.98	0.24	58,58,58,58	2
88	OHX	6	2062	7/7	0.98	0.18	114,114,114,114	4
87	MG	5	3649	1/1	0.98	0.17	47,47,47,47	0
88	OHX	5	3911	7/7	0.98	0.28	137,137,137,137	3
87	MG	8	206	1/1	0.98	0.21	58,58,58,58	0
88	OHX	5	3914	7/7	0.98	0.21	54,54,54,54	4
87	MG	3	202	1/1	0.98	0.47	54,54,54,54	0
88	OHX	5	3916	7/7	0.98	0.23	90,90,90,90	5
87	MG	1	3579	1/1	0.98	0.42	38,38,38,38	0
87	MG	1	3667	1/1	0.98	0.64	38,38,38,38	1
88	OHX	5	3921	7/7	0.98	0.22	83,83,83,83	3
88	OHX	5	3922	7/7	0.98	0.27	59,59,59,59	3
88	OHX	1	3901	7/7	0.98	0.19	63,63,63,63	5
88	OHX	1	3902	7/7	0.98	0.23	51,51,51,51	1
88	OHX	5	3925	7/7	0.98	0.23	46,46,46,46	4
87	MG	1	3580	1/1	0.98	0.52	27,27,27,27	0
87	MG	5	3654	1/1	0.98	0.28	33,33,33,33	0
88	OHX	2	2049	7/7	0.98	0.20	78,78,78,78	6
87	MG	5	3541	1/1	0.98	0.47	38,38,38,38	0
87	MG	12	301	1/1	0.98	0.12	40,40,40,40	0
87	MG	6	1931	1/1	0.98	0.32	54,54,54,54	0
87	MG	5	3496	1/1	0.98	0.29	38,38,38,38	0
88	OHX	6	2078	7/7	0.98	0.18	66,66,66,66	2
87	MG	5	3455	1/1	0.98	0.17	45,45,45,45	0
88	OHX	5	3935	7/7	0.98	0.21	45,45,45,45	3
87	MG	5	3498	1/1	0.98	0.28	64,64,64,64	0
88	OHX	5	3937	7/7	0.98	0.20	136,136,136,136	1
88	OHX	6	2081	7/7	0.98	0.16	74,74,74,74	3
87	MG	2	1914	1/1	0.98	0.21	77,77,77,77	0
88	OHX	1	3913	7/7	0.98	0.19	55,55,55,55	2
88	OHX	5	3941	7/7	0.98	0.17	60,60,60,60	1
88	OHX	5	3942	7/7	0.98	0.24	46,46,46,46	3
87	MG	1	3507	1/1	0.98	0.41	36,36,36,36	0
88	OHX	6	2085	7/7	0.98	0.17	69,69,69,69	2

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
88	OHX	5	3945	7/7	0.98	0.19	59,59,59,59	5
87	MG	5	3417	1/1	0.98	0.26	38,38,38,38	0
87	MG	1	3471	1/1	0.98	0.20	36,36,36,36	0
87	MG	1	3479	1/1	0.98	0.24	54,54,54,54	0
88	OHX	5	3949	7/7	0.98	0.24	50,50,50,50	4
88	OHX	6	2089	7/7	0.98	0.20	58,58,58,58	3
88	OHX	5	3951	7/7	0.98	0.26	49,49,49,49	3
88	OHX	1	3918	7/7	0.98	0.30	70,70,70,70	3
88	OHX	7	216	7/7	0.98	0.33	71,71,71,71	2
87	MG	1	3585	1/1	0.98	0.28	45,45,45,45	0
88	OHX	7	220	7/7	0.98	0.22	43,43,43,43	3
88	OHX	7	222	7/7	0.98	0.31	66,66,66,66	2
88	OHX	1	3920	7/7	0.98	0.22	44,44,44,44	4
88	OHX	1	3921	7/7	0.98	0.21	73,73,73,73	3
88	OHX	1	4052	7/7	0.98	0.21	58,58,58,58	2
88	OHX	2	2063	7/7	0.98	0.15	80,80,80,80	4
88	OHX	6	2096	7/7	0.98	0.14	86,86,86,86	5
88	OHX	5	3960	7/7	0.98	0.25	108,108,108,108	4
88	OHX	8	215	7/7	0.98	0.23	59,59,59,59	2
88	OHX	8	216	7/7	0.98	0.20	60,60,60,60	4
87	MG	6	1971	1/1	0.98	0.22	56,56,56,56	0
87	MG	6	2006	1/1	0.98	0.51	83,83,83,83	0
88	OHX	1	3925	7/7	0.98	0.20	56,56,56,56	7
88	OHX	2	2066	7/7	0.98	0.13	139,139,139,139	6
87	MG	1	3606	1/1	0.98	0.25	44,44,44,44	0
88	OHX	1	3929	7/7	0.98	0.28	116,116,116,116	5
88	OHX	1	3930	7/7	0.98	0.24	42,42,42,42	4
88	OHX	5	3968	7/7	0.98	0.19	58,58,58,58	3
88	OHX	5	3969	7/7	0.98	0.25	54,54,54,54	4
87	MG	6	1906	1/1	0.98	0.43	51,51,51,51	0
87	MG	n3	201	1/1	0.98	0.40	31,31,31,31	0
87	MG	1	3650	1/1	0.98	0.14	55,55,55,55	0
87	MG	1	3510	1/1	0.98	0.27	36,36,36,36	0
88	OHX	5	3974	7/7	0.98	0.23	49,49,49,49	3
88	OHX	6	2108	7/7	0.98	0.20	91,91,91,91	5
87	MG	5	3511	1/1	0.98	0.42	31,31,31,31	0
88	OHX	13	402	7/7	0.98	0.22	50,50,50,50	2
88	OHX	1	3936	7/7	0.98	0.21	103,103,103,103	3
87	MG	5	3559	1/1	0.98	0.46	31,31,31,31	0
87	MG	1	3550	1/1	0.98	0.32	32,32,32,32	0
87	MG	4	206	1/1	0.98	0.38	40,40,40,40	0
88	OHX	6	2114	7/7	0.98	0.28	65,65,65,65	2

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
88	OHX	5	3982	7/7	0.98	0.22	43,43,43,43	3
88	OHX	1	3940	7/7	0.98	0.26	47,47,47,47	4
87	MG	5	3514	1/1	0.98	0.43	36,36,36,36	0
88	OHX	2	2077	7/7	0.98	0.19	73,73,73,73	3
88	OHX	5	3987	7/7	0.98	0.17	69,69,69,69	5
88	OHX	C1	201	7/7	0.98	0.19	97,97,97,97	5
88	OHX	n3	202	7/7	0.98	0.21	63,63,63,63	3
88	OHX	n6	202	7/7	0.98	0.20	89,89,89,89	5
88	OHX	o3	201	7/7	0.98	0.22	49,49,49,49	3
87	MG	1	3489	1/1	0.98	0.23	44,44,44,44	0
87	MG	5	3565	1/1	0.98	0.30	34,34,34,34	0
88	OHX	C8	201	7/7	0.98	0.25	106,106,106,106	3
87	MG	5	3472	1/1	0.98	0.20	44,44,44,44	0
87	MG	2	1982	1/1	0.98	0.07	75,75,75,75	0
87	MG	5	3568	1/1	0.98	0.38	33,33,33,33	0
88	OHX	1	3791	7/7	0.98	0.27	58,58,58,58	3
88	OHX	1	3799	7/7	0.98	0.25	61,61,61,61	1
88	OHX	1	3800	7/7	0.98	0.28	91,91,91,91	3
89	ZN	d9	101	1/1	0.98	0.14	89,89,89,89	0
87	MG	1	3466	1/1	0.98	0.24	42,42,42,42	0
88	OHX	1	3803	7/7	0.98	0.26	60,60,60,60	3
88	OHX	2	1997	7/7	0.99	0.18	89,89,89,89	2
88	OHX	1	3813	7/7	0.99	0.22	54,54,54,54	1
88	OHX	2	2055	7/7	0.99	0.15	83,83,83,83	5
88	OHX	5	3859	7/7	0.99	0.20	58,58,58,58	1
88	OHX	5	3860	7/7	0.99	0.20	73,73,73,73	2
88	OHX	1	3815	7/7	0.99	0.30	51,51,51,51	3
88	OHX	5	3862	7/7	0.99	0.21	47,47,47,47	4
88	OHX	5	3863	7/7	0.99	0.23	89,89,89,89	2
88	OHX	2	1998	7/7	0.99	0.19	73,73,73,73	3
88	OHX	5	3865	7/7	0.99	0.21	49,49,49,49	2
88	OHX	1	3817	7/7	0.99	0.20	50,50,50,50	4
88	OHX	5	3867	7/7	0.99	0.22	75,75,75,75	1
88	OHX	1	3818	7/7	0.99	0.20	106,106,106,106	3
88	OHX	5	3869	7/7	0.99	0.20	45,45,45,45	3
88	OHX	5	3870	7/7	0.99	0.21	48,48,48,48	3
88	OHX	1	3819	7/7	0.99	0.20	68,68,68,68	3
87	MG	5	3413	1/1	0.99	0.24	41,41,41,41	0
87	MG	1	3554	1/1	0.99	0.52	30,30,30,30	0
88	OHX	1	3822	7/7	0.99	0.23	46,46,46,46	2
88	OHX	1	3823	7/7	0.99	0.21	57,57,57,57	2
88	OHX	5	3876	7/7	0.99	0.22	54,54,54,54	1

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
87	MG	5	3445	1/1	0.99	0.32	38,38,38,38	0
88	OHX	5	3878	7/7	0.99	0.23	44,44,44,44	2
88	OHX	3	209	7/7	0.99	0.28	68,68,68,68	3
88	OHX	5	3880	7/7	0.99	0.23	45,45,45,45	2
88	OHX	5	3882	7/7	0.99	0.21	56,56,56,56	4
87	MG	5	3562	1/1	0.99	0.28	31,31,31,31	0
88	OHX	5	3884	7/7	0.99	0.28	53,53,53,53	3
88	OHX	1	3826	7/7	0.99	0.24	52,52,52,52	2
88	OHX	3	212	7/7	0.99	0.28	76,76,76,76	2
88	OHX	2	2003	7/7	0.99	0.17	98,98,98,98	2
88	OHX	5	3888	7/7	0.99	0.24	51,51,51,51	1
88	OHX	5	3889	7/7	0.99	0.22	47,47,47,47	3
88	OHX	5	3890	7/7	0.99	0.19	56,56,56,56	3
88	OHX	5	3891	7/7	0.99	0.20	60,60,60,60	3
88	OHX	1	3828	7/7	0.99	0.19	65,65,65,65	2
88	OHX	2	2004	7/7	0.99	0.20	112,112,112,112	3
87	MG	1	3544	1/1	0.99	0.10	58,58,58,58	0
88	OHX	5	3895	7/7	0.99	0.20	47,47,47,47	3
88	OHX	5	3896	7/7	0.99	0.30	106,106,106,106	1
88	OHX	2	2006	7/7	0.99	0.17	72,72,72,72	4
87	MG	5	3593	1/1	0.99	0.53	28,28,28,28	0
88	OHX	1	3833	7/7	0.99	0.20	61,61,61,61	3
88	OHX	4	220	7/7	0.99	0.24	60,60,60,60	3
88	OHX	4	221	7/7	0.99	0.23	64,64,64,64	3
88	OHX	1	3834	7/7	0.99	0.20	47,47,47,47	2
88	OHX	1	3928	7/7	0.99	0.20	52,52,52,52	3
88	OHX	1	3835	7/7	0.99	0.20	60,60,60,60	3
88	OHX	1	3836	7/7	0.99	0.30	78,78,78,78	3
88	OHX	5	3906	7/7	0.99	0.23	40,40,40,40	2
87	MG	5	3578	1/1	0.99	0.41	38,38,38,38	0
88	OHX	2	2009	7/7	0.99	0.17	86,86,86,86	5
87	MG	1	3743	1/1	0.99	0.15	49,49,49,49	0
88	OHX	2	2011	7/7	0.99	0.20	80,80,80,80	2
88	OHX	1	3841	7/7	0.99	0.21	48,48,48,48	2
88	OHX	2	2012	7/7	0.99	0.21	80,80,80,80	5
88	OHX	5	3913	7/7	0.99	0.19	55,55,55,55	3
87	MG	5	3460	1/1	0.99	0.38	34,34,34,34	0
88	OHX	1	3844	7/7	0.99	0.20	56,56,56,56	3
87	MG	4	209	1/1	0.99	0.23	58,58,58,58	0
88	OHX	5	3917	7/7	0.99	0.20	41,41,41,41	2
88	OHX	1	3758	7/7	0.99	0.24	61,61,61,61	1
88	OHX	5	3919	7/7	0.99	0.16	53,53,53,53	1

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
88	OHX	1	3760	7/7	0.99	0.26	64,64,64,64	3
88	OHX	1	3848	7/7	0.99	0.18	45,45,45,45	2
88	OHX	1	3849	7/7	0.99	0.18	65,65,65,65	2
88	OHX	1	3850	7/7	0.99	0.19	57,57,57,57	3
88	OHX	1	3851	7/7	0.99	0.22	42,42,42,42	4
88	OHX	1	3761	7/7	0.99	0.26	66,66,66,66	2
88	OHX	1	3762	7/7	0.99	0.23	59,59,59,59	2
88	OHX	1	3854	7/7	0.99	0.22	53,53,53,53	3
88	OHX	1	3763	7/7	0.99	0.27	72,72,72,72	2
88	OHX	1	3764	7/7	0.99	0.22	54,54,54,54	3
88	OHX	N1	201	7/7	0.99	0.23	56,56,56,56	2
88	OHX	1	3857	7/7	0.99	0.22	38,38,38,38	3
88	OHX	N9	102	7/7	0.99	0.23	63,63,63,63	1
88	OHX	1	3765	7/7	0.99	0.23	59,59,59,59	2
88	OHX	1	3766	7/7	0.99	0.24	55,55,55,55	1
88	OHX	1	3767	7/7	0.99	0.22	68,68,68,68	3
88	OHX	1	3768	7/7	0.99	0.20	63,63,63,63	5
88	OHX	1	3770	7/7	0.99	0.21	71,71,71,71	2
88	OHX	6	2014	7/7	0.99	0.19	85,85,85,85	2
88	OHX	6	2015	7/7	0.99	0.19	73,73,73,73	2
88	OHX	6	2016	7/7	0.99	0.22	83,83,83,83	4
88	OHX	1	3863	7/7	0.99	0.23	69,69,69,69	4
88	OHX	6	2018	7/7	0.99	0.24	64,64,64,64	3
88	OHX	6	2019	7/7	0.99	0.18	87,87,87,87	2
88	OHX	6	2020	7/7	0.99	0.23	77,77,77,77	3
88	OHX	6	2021	7/7	0.99	0.22	95,95,95,95	3
88	OHX	6	2022	7/7	0.99	0.19	66,66,66,66	3
88	OHX	6	2023	7/7	0.99	0.21	73,73,73,73	2
88	OHX	6	2024	7/7	0.99	0.20	83,83,83,83	2
88	OHX	6	2025	7/7	0.99	0.21	98,98,98,98	2
88	OHX	6	2026	7/7	0.99	0.22	69,69,69,69	2
88	OHX	6	2027	7/7	0.99	0.24	77,77,77,77	1
88	OHX	5	3952	7/7	0.99	0.21	45,45,45,45	3
88	OHX	6	2028	7/7	0.99	0.23	67,67,67,67	2
88	OHX	1	3771	7/7	0.99	0.26	68,68,68,68	2
88	OHX	6	2030	7/7	0.99	0.20	60,60,60,60	1
88	OHX	1	3772	7/7	0.99	0.26	51,51,51,51	2
88	OHX	1	3773	7/7	0.99	0.23	63,63,63,63	3
88	OHX	6	2033	7/7	0.99	0.19	60,60,60,60	5
88	OHX	6	2034	7/7	0.99	0.20	70,70,70,70	3
88	OHX	1	3774	7/7	0.99	0.22	63,63,63,63	4
88	OHX	1	3775	7/7	0.99	0.23	49,49,49,49	3

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
88	OHX	1	3776	7/7	0.99	0.20	72,72,72,72	1
88	OHX	6	2038	7/7	0.99	0.19	63,63,63,63	5
88	OHX	1	3777	7/7	0.99	0.22	74,74,74,74	3
88	OHX	6	2040	7/7	0.99	0.18	130,130,130,130	5
88	OHX	6	2041	7/7	0.99	0.22	61,61,61,61	2
88	OHX	6	2042	7/7	0.99	0.17	66,66,66,66	2
88	OHX	1	3778	7/7	0.99	0.22	69,69,69,69	2
88	OHX	1	3779	7/7	0.99	0.21	82,82,82,82	2
88	OHX	6	2045	7/7	0.99	0.15	87,87,87,87	5
88	OHX	1	3780	7/7	0.99	0.25	72,72,72,72	2
88	OHX	1	3781	7/7	0.99	0.25	92,92,92,92	4
88	OHX	6	2048	7/7	0.99	0.21	64,64,64,64	2
88	OHX	1	3782	7/7	0.99	0.25	67,67,67,67	3
88	OHX	1	3785	7/7	0.99	0.24	49,49,49,49	3
88	OHX	1	3786	7/7	0.99	0.23	46,46,46,46	2
88	OHX	2	2043	7/7	0.99	0.20	80,80,80,80	3
88	OHX	1	3788	7/7	0.99	0.27	67,67,67,67	3
88	OHX	6	2054	7/7	0.99	0.21	89,89,89,89	2
88	OHX	6	2055	7/7	0.99	0.14	110,110,110,110	2
88	OHX	6	2056	7/7	0.99	0.18	75,75,75,75	3
88	OHX	7	217	7/7	0.99	0.22	61,61,61,61	5
88	OHX	1	3789	7/7	0.99	0.20	70,70,70,70	3
88	OHX	7	219	7/7	0.99	0.26	44,44,44,44	2
88	OHX	1	3790	7/7	0.99	0.24	77,77,77,77	3
88	OHX	7	221	7/7	0.99	0.27	67,67,67,67	2
88	OHX	5	3984	7/7	0.99	0.21	42,42,42,42	3
88	OHX	1	3882	7/7	0.99	0.21	65,65,65,65	5
88	OHX	1	3883	7/7	0.99	0.19	48,48,48,48	5
88	OHX	2	2015	7/7	0.99	0.18	81,81,81,81	1
88	OHX	1	3793	7/7	0.99	0.25	62,62,62,62	1
88	OHX	1	3794	7/7	0.99	0.23	65,65,65,65	3
88	OHX	8	213	7/7	0.99	0.24	58,58,58,58	2
88	OHX	1	3795	7/7	0.99	0.22	51,51,51,51	3
88	OHX	1	3796	7/7	0.99	0.31	77,77,77,77	3
88	OHX	1	3983	7/7	0.99	0.21	52,52,52,52	4
88	OHX	6	2067	7/7	0.99	0.19	157,157,157,157	5
88	OHX	5	3799	7/7	0.99	0.24	54,54,54,54	2
88	OHX	5	3804	7/7	0.99	0.24	56,56,56,56	1
88	OHX	5	3805	7/7	0.99	0.23	63,63,63,63	2
88	OHX	5	3806	7/7	0.99	0.22	58,58,58,58	1
88	OHX	5	3811	7/7	0.99	0.26	59,59,59,59	1
88	OHX	5	3812	7/7	0.99	0.25	58,58,58,58	1

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
88	OHX	5	3813	7/7	0.99	0.21	63,63,63,63	1
88	OHX	5	3814	7/7	0.99	0.23	54,54,54,54	4
88	OHX	5	3815	7/7	0.99	0.22	56,56,56,56	3
88	OHX	5	3816	7/7	0.99	0.24	69,69,69,69	1
88	OHX	5	3821	7/7	0.99	0.23	69,69,69,69	1
88	OHX	5	3822	7/7	0.99	0.23	49,49,49,49	1
88	OHX	1	3797	7/7	0.99	0.22	55,55,55,55	2
88	OHX	5	3825	7/7	0.99	0.22	62,62,62,62	3
88	OHX	1	3798	7/7	0.99	0.21	71,71,71,71	1
88	OHX	5	3827	7/7	0.99	0.22	40,40,40,40	3
88	OHX	13	403	7/7	0.99	0.19	47,47,47,47	2
88	OHX	2	2016	7/7	0.99	0.17	87,87,87,87	4
88	OHX	5	3830	7/7	0.99	0.25	95,95,95,95	2
88	OHX	5	3831	7/7	0.99	0.24	54,54,54,54	2
88	OHX	5	3833	7/7	0.99	0.23	52,52,52,52	2
88	OHX	5	4014	7/7	0.99	0.13	72,72,72,72	4
87	MG	1	3653	1/1	0.99	0.25	57,57,57,57	1
88	OHX	5	3836	7/7	0.99	0.19	78,78,78,78	3
88	OHX	5	3837	7/7	0.99	0.31	74,74,74,74	2
88	OHX	1	3801	7/7	0.99	0.22	55,55,55,55	2
88	OHX	m5	301	7/7	0.99	0.17	72,72,72,72	3
88	OHX	5	3839	7/7	0.99	0.23	53,53,53,53	2
87	MG	1	3540	1/1	0.99	0.25	35,35,35,35	0
88	OHX	5	3841	7/7	0.99	0.26	51,51,51,51	1
88	OHX	1	3895	7/7	0.99	0.21	50,50,50,50	3
88	OHX	n9	103	7/7	0.99	0.24	59,59,59,59	3
88	OHX	5	3843	7/7	0.99	0.21	47,47,47,47	3
88	OHX	o7	502	7/7	0.99	0.20	57,57,57,57	1
87	MG	5	3429	1/1	0.99	0.44	30,30,30,30	0
88	OHX	1	3804	7/7	0.99	0.23	74,74,74,74	3
88	OHX	5	3846	7/7	0.99	0.27	88,88,88,88	1
89	ZN	D6	500	1/1	0.99	0.12	89,89,89,89	0
88	OHX	1	3805	7/7	0.99	0.24	60,60,60,60	3
87	MG	f	1001	1/1	0.99	0.41	42,42,42,42	0
88	OHX	5	3849	7/7	0.99	0.21	127,127,127,127	2
89	ZN	O7	101	1/1	0.99	0.15	49,49,49,49	0
89	ZN	Q0	201	1/1	0.99	0.18	49,49,49,49	0
87	MG	6	1968	1/1	0.99	0.23	55,55,55,55	0
89	ZN	Q3	501	1/1	0.99	0.14	74,74,74,74	0
87	MG	5	3441	1/1	0.99	0.34	35,35,35,35	0
88	OHX	2	1995	7/7	0.99	0.21	90,90,90,90	2
87	MG	1	3578	1/1	0.99	0.43	34,34,34,34	0

Continued on next page...

Continued from previous page...

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
88	OHX	1	3811	7/7	0.99	0.26	58,58,58,58	3
89	ZN	o7	501	1/1	0.99	0.17	48,48,48,48	0
89	ZN	q0	201	1/1	0.99	0.21	45,45,45,45	0
88	OHX	5	3855	7/7	0.99	0.20	59,59,59,59	4
89	ZN	q3	501	1/1	0.99	0.18	63,63,63,63	0
88	OHX	1	3792	7/7	1.00	0.21	54,54,54,54	2
88	OHX	5	3794	7/7	1.00	0.22	50,50,50,50	3
88	OHX	1	3759	7/7	1.00	0.24	55,55,55,55	2
88	OHX	1	3769	7/7	1.00	0.22	64,64,64,64	4
88	OHX	5	3797	7/7	1.00	0.25	55,55,55,55	3
88	OHX	5	3817	7/7	1.00	0.20	66,66,66,66	1
88	OHX	5	3818	7/7	1.00	0.23	63,63,63,63	3
88	OHX	5	3819	7/7	1.00	0.21	65,65,65,65	2
88	OHX	5	3820	7/7	1.00	0.20	65,65,65,65	4
88	OHX	5	3798	7/7	1.00	0.25	58,58,58,58	2
88	OHX	1	3757	7/7	1.00	0.24	56,56,56,56	1
88	OHX	5	3823	7/7	1.00	0.23	43,43,43,43	1
88	OHX	5	3800	7/7	1.00	0.24	57,57,57,57	4
88	OHX	5	3801	7/7	1.00	0.27	63,63,63,63	2
88	OHX	5	3802	7/7	1.00	0.23	62,62,62,62	3
88	OHX	5	3881	7/7	1.00	0.19	51,51,51,51	1
88	OHX	5	3803	7/7	1.00	0.20	60,60,60,60	2
88	OHX	5	3828	7/7	1.00	0.20	49,49,49,49	2
88	OHX	6	2013	7/7	1.00	0.21	69,69,69,69	1
88	OHX	1	3783	7/7	1.00	0.21	57,57,57,57	2
88	OHX	1	3784	7/7	1.00	0.23	74,74,74,74	2
88	OHX	5	3832	7/7	1.00	0.20	55,55,55,55	2
88	OHX	5	3807	7/7	1.00	0.22	49,49,49,49	2
88	OHX	5	3834	7/7	1.00	0.21	52,52,52,52	5
88	OHX	5	3808	7/7	1.00	0.26	71,71,71,71	2
88	OHX	5	3809	7/7	1.00	0.22	54,54,54,54	2
88	OHX	5	3810	7/7	1.00	0.22	69,69,69,69	0
88	OHX	2	1994	7/7	1.00	0.21	85,85,85,85	0

6.5 Other polymers [i](#)

There are no such residues in this entry.