wwPDB X-ray Structure Validation Summary Report (i)

Nov 17, 2024 – 08:12 am GMT

PDB ID	:	8P9A
Title	:	80S yeast ribosome in complex with Methyllissoclimide
Authors	:	Terrosu, S.; Yusupov, M.; Vanderwal, C.
Deposited on	:	2023-06-05
Resolution	:	2.90 Å(reported)

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

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

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

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

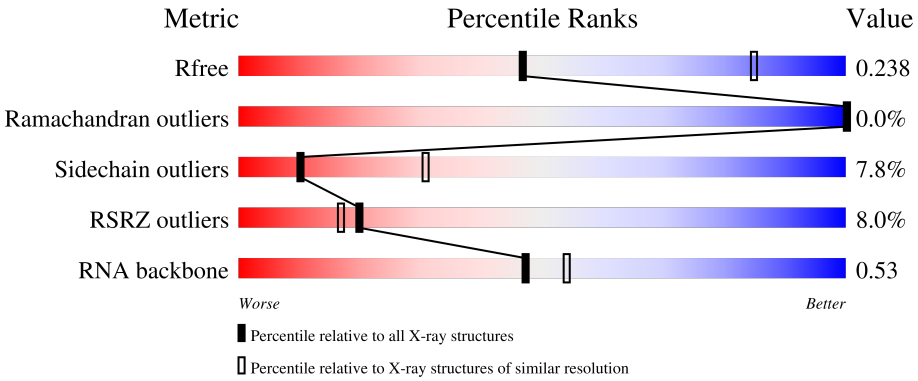
MolProbity	:	4.02b-467
Mogul	:	1.8.4, CSD as541be (2020)
Xtriage (Phenix)	:	1.13
EDS	:	3.0
buster-report	:	1.1.7 (2018)
Percentile statistics	:	20231227.v01 (using entries in the PDB archive December 27th 2023)
CCP4	:	9.0.003 (Gargrove)
Density-Fitness	:	1.0.11
Ideal geometry (proteins)	:	Engh & Huber (2001)
Ideal geometry (DNA, RNA)	:	Parkinson et al. (1996)
Validation Pipeline (wwPDB-VP)	:	2.39

1 Overall quality at a glance (i)

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

The reported resolution of this entry is 2.90 Å.

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



Metric	Whole archive (#Entries)	Similar resolution (#Entries, resolution range(Å))
R_{free}	164625	2335 (2.90-2.90)
Ramachandran outliers	177936	2514 (2.90-2.90)
Sidechain outliers	177891	2516 (2.90-2.90)
RSRZ outliers	164620	2337 (2.90-2.90)
RNA backbone	3690	1039 (3.10-2.70)

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

Mol	Chain	Length	Quality of chain
1	1	3149	81% 18%
1	AR	3149	80% 18%
2	3	121	90% 10%
2	AS	121	83% 17%
3	4	158	78% 21%

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Mol	Chain	Length	Quality of chain
3	AT	158	3% 80% 19%
4	CD	254	8% 93% 6%
4	j	254	6% 97%
5	CE	387	3% 94% 6%
5	k	387	4% 92% 7%
6	CF	362	3% 94% 5%
6	l	362	5% 93% 7%
7	CG	297	5% 90% 8%
7	m	297	7% 92% 8%
8	CH	176	5% 84% 11%
8	n	176	% 85% 11%
9	CI	244	2% 86% 9%
9	o	244	3% 87% 9%
10	CJ	256	14% 81% 7% 12%
10	p	256	4% 87% 9%
11	CK	191	4% 91% 9%
11	q	191	7% 95% 5%
12	CL	221	8% 87% 8% 5%
12	r	221	8% 90% 5%
13	CM	174	7% 89% 8%
13	s	174	5% 85% 12%
14	CN	199	8% 84% 11%
14	t	199	8% 87% 8%
15	CO	138	8% 93% 5%
15	u	138	5% 93% 5%

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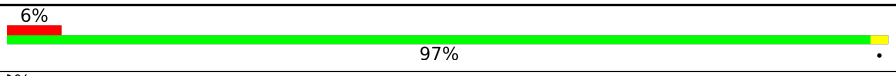
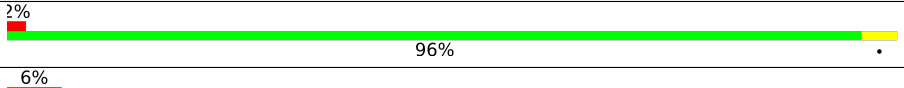
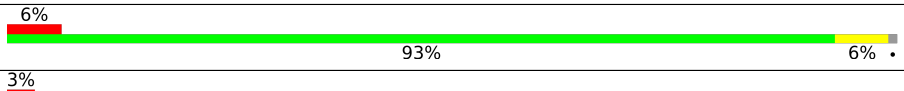
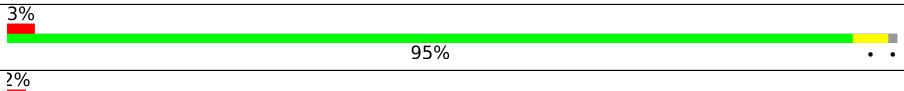
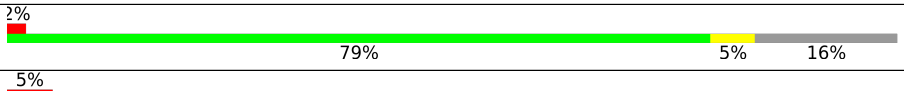
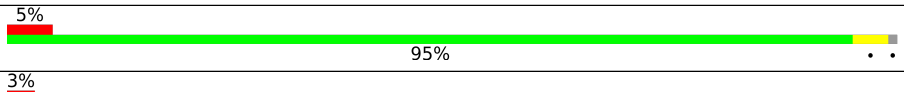
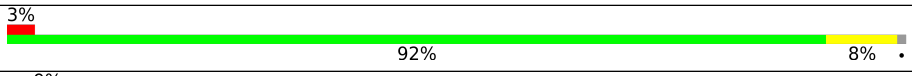
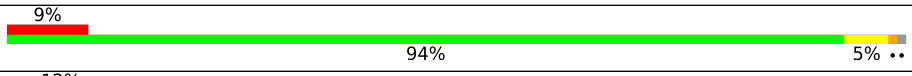
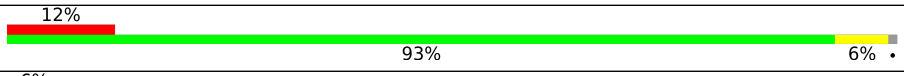
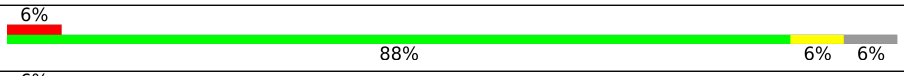
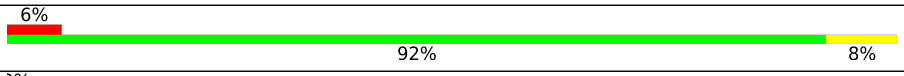
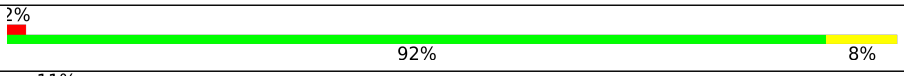
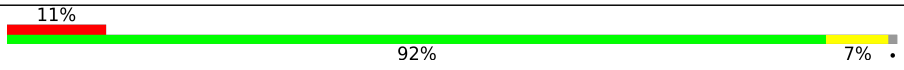
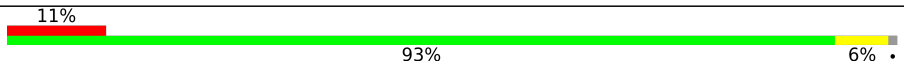
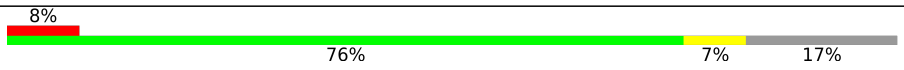
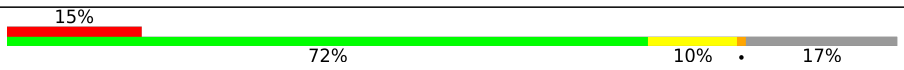
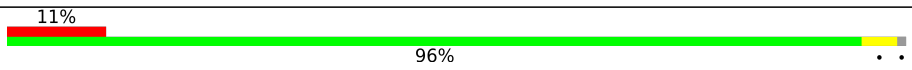
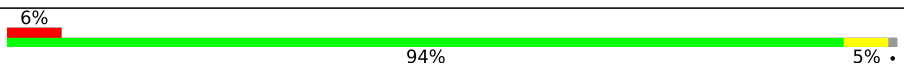
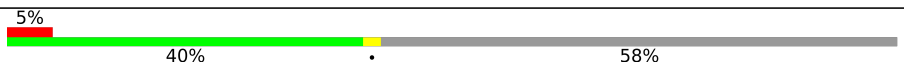
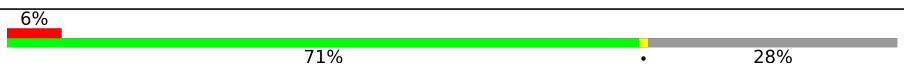
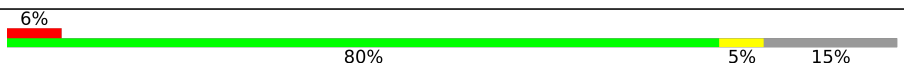
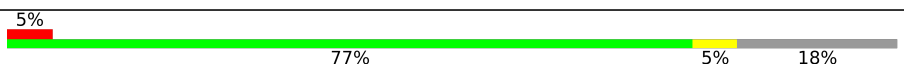
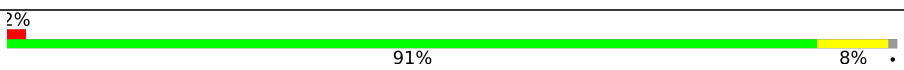
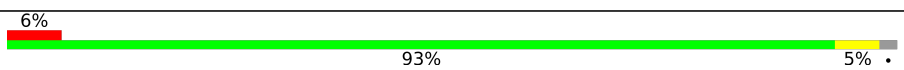
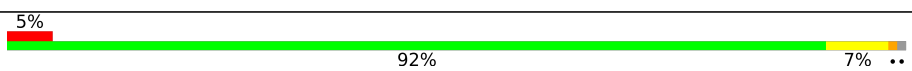
Mol	Chain	Length	Quality of chain
16	CP	204	
16	v	204	
17	CQ	199	
17	w	199	
18	CR	184	
18	x	184	
19	CS	186	
19	y	186	
20	CT	189	
20	z	189	
21	0	172	
21	CU	172	
22	2	160	
22	CV	160	
23	5	121	
23	CW	121	
24	6	137	
24	CX	137	
25	7	155	
25	CY	155	
26	8	142	
26	CZ	142	
27	9	127	
27	DA	127	
28	AA	136	

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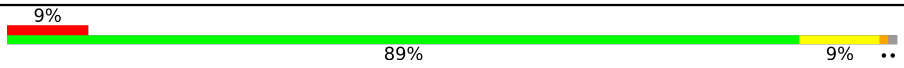
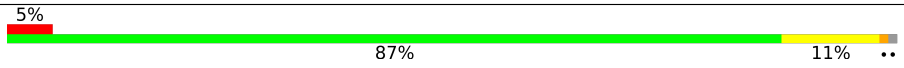
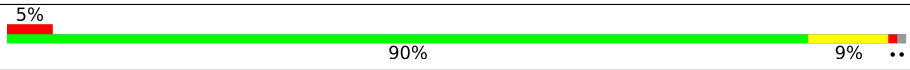
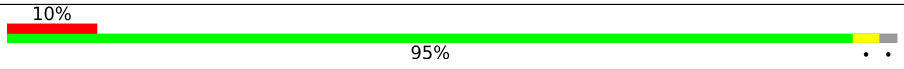
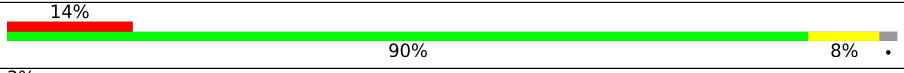
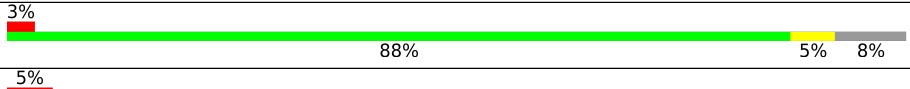
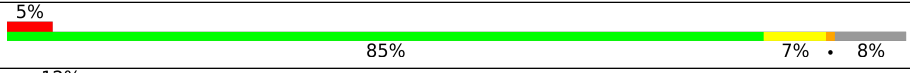
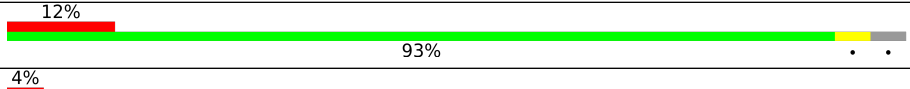
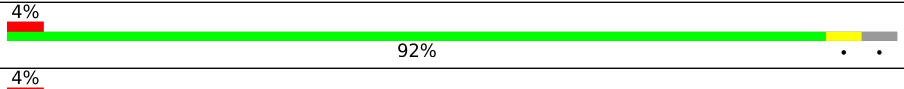
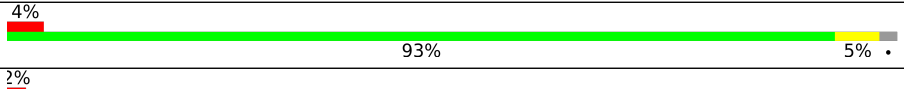
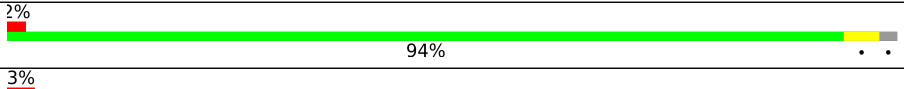
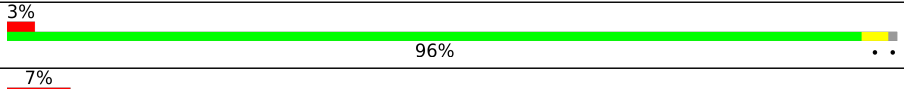
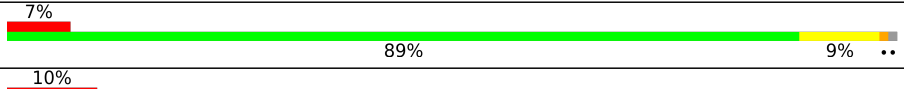
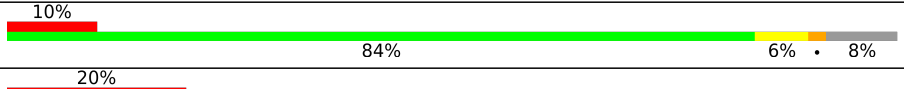
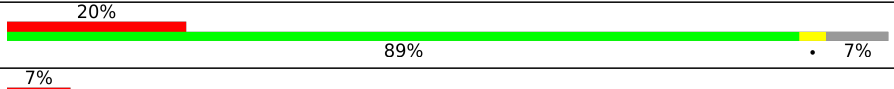
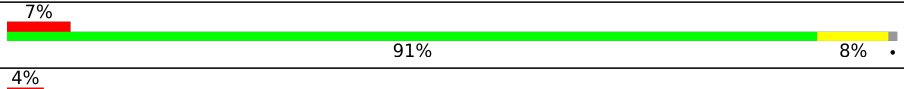
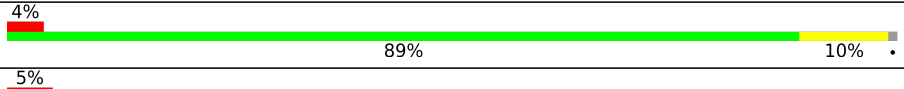
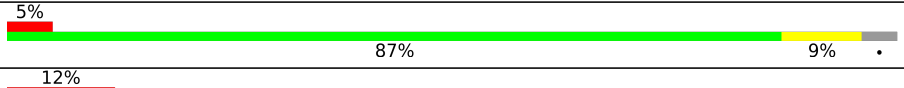
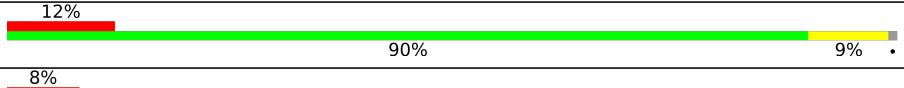
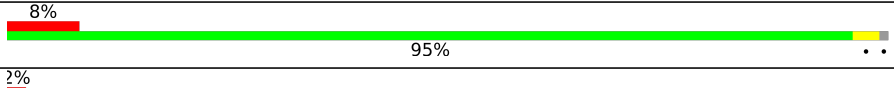
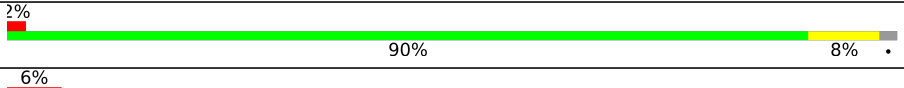
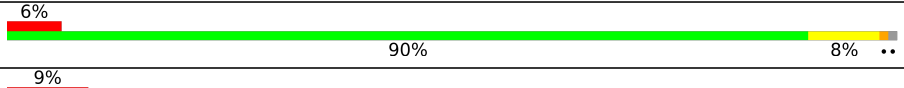
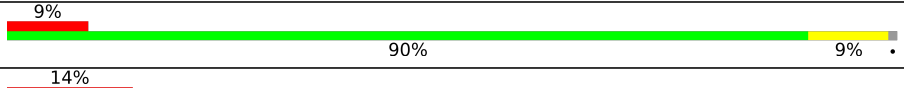
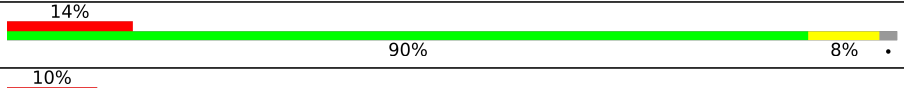
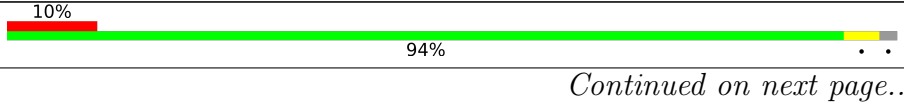
Mol	Chain	Length	Quality of chain
28	DB	136	
29	AB	149	
29	DC	149	
30	AC	59	
30	DD	59	
31	AD	105	
31	DE	105	
32	AE	113	
32	DF	113	
33	AF	130	
33	DG	130	
34	AG	107	
34	DH	107	
35	AH	121	
35	DI	121	
36	AI	120	
36	DJ	120	
37	AJ	100	
37	DK	100	
38	AK	88	
38	DL	88	
39	AL	78	
39	DM	78	
40	AM	51	
40	DN	51	

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Mol	Chain	Length	Quality of chain
41	AN	128	2% 38% 59%
41	DO	128	2% 37% 59%
42	AO	25	8% 80% 20%
42	DP	25	16% 88% 12%
43	AP	106	13% 85% 12%
43	DQ	106	8% 91% 8%
44	AQ	92	5% 91% 8%
44	DR	92	8% 90% 9%
45	i	273	14% 48% 48%
45	sM	273	3% 20% 77%
46	p0	312	8% 38% 60%
47	A	1800	3% 70% 24%
47	sR	1800	3% 74% 24%
48	B	252	19% 74% 8% 18%
48	s0	252	10% 73% 9% 18%
49	C	255	17% 69% 13% 16%
49	s1	255	6% 79% 6% 15%
50	D	254	11% 78% 8% 15%
50	s2	254	13% 81% 15%
51	E	240	12% 86% 6% 7%
51	s3	240	18% 79% 14% 7%
52	F	261	16% 90% 9%
52	s4	261	7% 94% 6%
53	G	225	14% 81% 10% 8%
53	s5	225	17% 78% 8% 12%

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Mol	Chain	Length	Quality of chain
54	H	236	28% 86% 9%
54	s6	236	16% 86% 5% 8%
55	I	190	10% 83% 14%
55	s7	190	14% 84% 13%
56	J	200	12% 86% 7% 6%
56	s8	200	22% 90% 6%
57	K	197	17% 82% 11% 6%
57	s9	197	14% 86% 7% 6%
58	L	105	28% 80% 11% 9%
58	c0	105	30% 76% 15% 9%
59	M	156	9% 87% 9%
59	c1	156	12% 87% 6% 6%
60	N	143	17% 69% 17% 13%
61	O	151	7% 93% 6%
61	c3	151	3% 93% 6%
62	P	138	21% 83% 9% 8%
62	c4	138	12% 86% 7% 8%
63	Q	142	16% 75% 11% 13%
63	c5	142	21% 85% 9% 5%
64	R	143	25% 82% 15%
64	c6	143	29% 89% 10%
65	S	136	17% 78% 10% 12%
65	c7	136	12% 79% 7% 14%
66	T	146	11% 85% 14%
66	c8	146	12% 83% 14%

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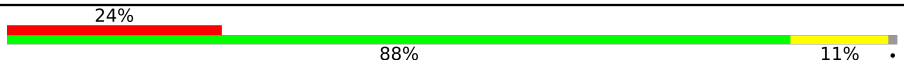
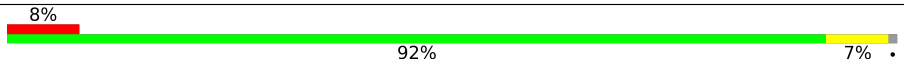
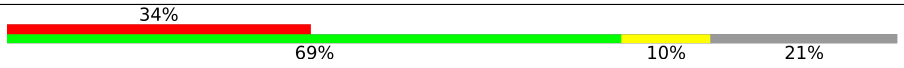
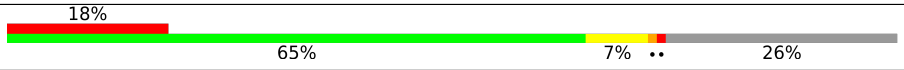
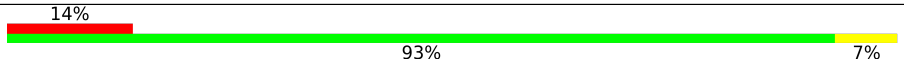
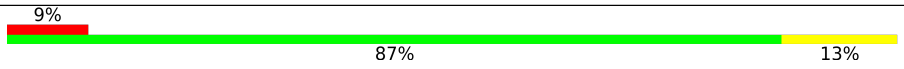
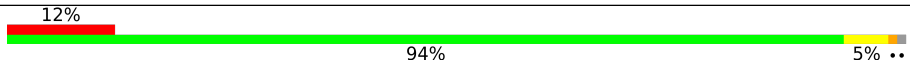
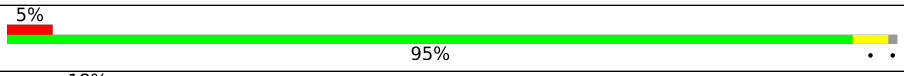
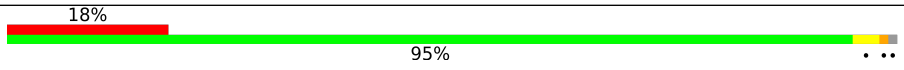
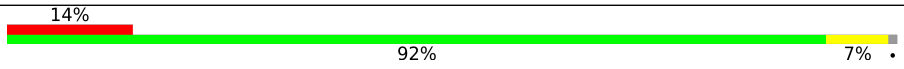
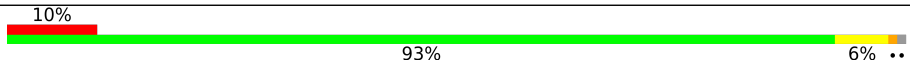
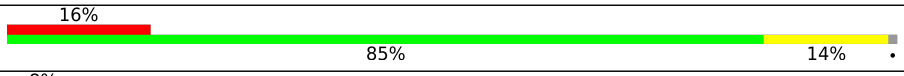
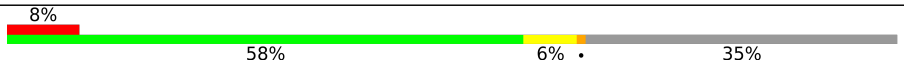
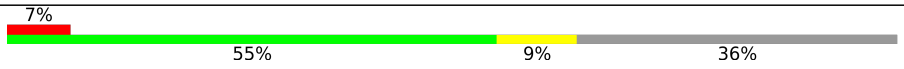
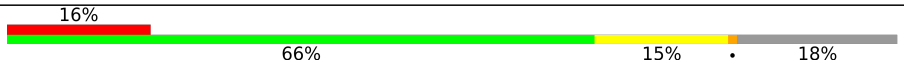
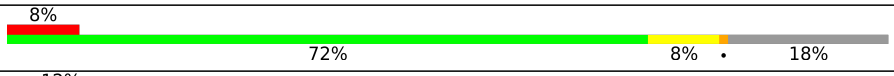
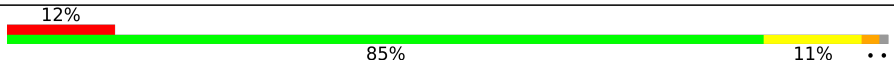
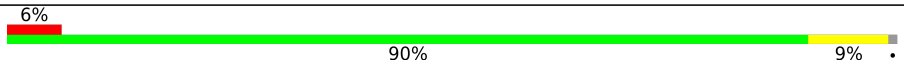
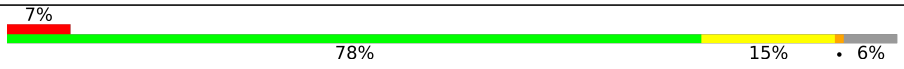
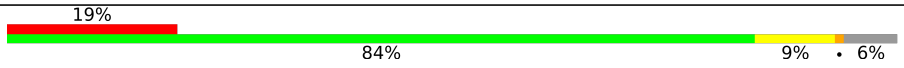
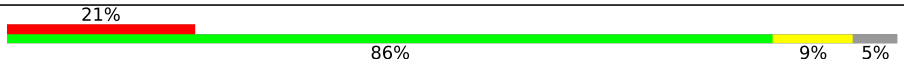
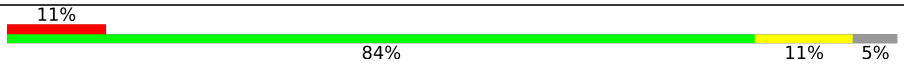
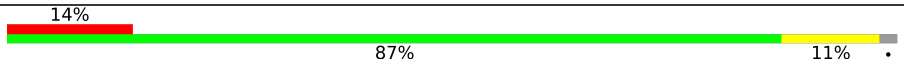
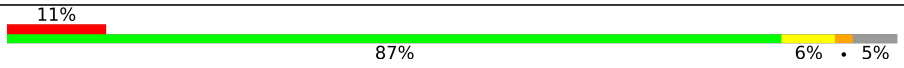
Mol	Chain	Length	Quality of chain
67	U	144	
67	c9	144	
68	V	121	
68	d0	121	
69	W	87	
69	d1	87	
70	X	130	
70	d2	130	
71	Y	145	
71	d3	145	
72	Z	135	
72	d4	135	
73	a	108	
73	d5	108	
74	b	119	
74	d6	119	
75	c	82	
75	d7	82	
76	d	67	
76	d8	67	
77	d9	56	
77	e	56	
78	e0	63	
78	f	63	
79	e1	152	

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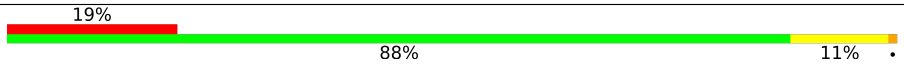
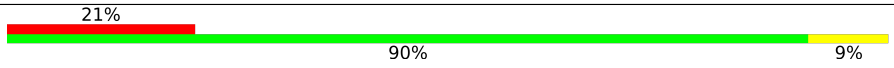
Mol	Chain	Length	Quality of chain
79	g	152	
80	Rb	319	
80	h	319	

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
81	OHX	AR	4202	-	-	-	X
82	MG	1	3867	-	-	-	X
82	MG	1	3902	-	-	-	X
82	MG	1	3931	-	-	-	X
82	MG	1	3992	-	-	-	X
82	MG	1	4039	-	-	-	X
82	MG	A	2001	-	-	-	X
82	MG	A	2093	-	-	-	X
82	MG	A	2096	-	-	-	X
82	MG	AR	3755	-	-	-	X
82	MG	AR	3768	-	-	-	X
82	MG	AR	3769	-	-	-	X
82	MG	AR	3865	-	-	-	X
82	MG	AR	3952	-	-	-	X
82	MG	AR	4013	-	-	-	X
82	MG	AR	4097	-	-	-	X
82	MG	AR	4162	-	-	-	X
82	MG	AS	3514	-	-	-	X
82	MG	AT	205	-	-	-	X
82	MG	AT	229	-	-	-	X
82	MG	s8	301	-	-	-	X
82	MG	s9	201	-	-	-	X
82	MG	x	202	-	-	-	X

2 Entry composition (i)

There are 86 unique types of molecules in this entry. The entry contains 405378 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 25S ribosomal RNA.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
1	1	3149	Total	C	N	O	P	0	0	0
			67355	30086	12142	21978	3149			
1	AR	3130	Total	C	N	O	P	0	0	0
			66954	29906	12075	21843	3130			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
2	3	121	Total	C	N	O	P	0	0	0
			2579	1152	461	845	121			
2	AS	121	Total	C	N	O	P	0	0	0
			2579	1152	461	845	121			

- Molecule 3 is a RNA chain called 5.8 ribosomal RNA.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
3	4	158	Total	C	N	O	P	0	0	0
			3353	1500	586	1109	158			
3	AT	158	Total	C	N	O	P	0	0	0
			3353	1500	586	1109	158			

- Molecule 4 is a protein called 60S ribosomal protein L2-A.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
4	j	252	Total	C	N	O	S	0	0	0
			1914	1191	388	334	1			
4	CD	252	Total	C	N	O	S	0	0	0
			1914	1191	388	334	1			

- Molecule 5 is a protein called 60S ribosomal protein L3.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
5	k	386	Total	C	N	O	S	0	0	0
			3075	1950	584	533	8			
5	CE	386	Total	C	N	O	S	0	0	0
			3075	1950	584	533	8			

- Molecule 6 is a protein called 60S ribosomal protein L4-A.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
6	l	361	Total	C	N	O	S	0	0	0
			2748	1729	522	494	3			
6	CF	361	Total	C	N	O	S	0	0	0
			2748	1729	522	494	3			

- Molecule 7 is a protein called 60S ribosomal protein L5.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
7	m	296	Total	C	N	O	S	0	0	0
			2375	1501	414	458	2			
7	CG	292	Total	C	N	O	S	0	0	0
			2348	1486	408	452	2			

- Molecule 8 is a protein called 60S ribosomal protein L6-A.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
8	n	156	Total	C	N	O	S	0	0	0
			1239	800	222	216	1			
8	CH	156	Total	C	N	O	S	0	0	0
			1239	800	222	216	1			

- Molecule 9 is a protein called 60S ribosomal protein L7-A.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
9	o	222	Total	C	N	O	S	0	0	0
			1784	1151	324	308	1			
9	CI	222	Total	C	N	O	S	0	0	0
			1784	1151	324	308	1			

- Molecule 10 is a protein called 60S ribosomal protein L8-A.

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

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
10	CJ	226	Total	C	N	O	S	0	0	0
			1757	1125	314	315	3			

- Molecule 11 is a protein called 60S ribosomal protein L9-A.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
11	q	191	Total	C	N	O	S	0	0	0
			1518	963	274	277	4			
11	CK	191	Total	C	N	O	S	0	0	0
			1518	963	274	277	4			

- Molecule 12 is a protein called 60S ribosomal protein L10.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
12	r	211	Total	C	N	O	S	0	0	0
			1705	1083	322	294	6			
12	CL	211	Total	C	N	O	S	0	0	0
			1705	1083	322	294	6			

- Molecule 13 is a protein called Large ribosomal subunit protein uL5B.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
13	s	169	Total	C	N	O	S	0	0	0
			1353	847	253	249	4			
13	CM	169	Total	C	N	O	S	0	0	0
			1353	847	253	249	4			

- Molecule 14 is a protein called 60S ribosomal protein L13-A.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
14	t	193	Total	C	N	O	0	0	0
			1543	962	315	266			
14	CN	193	Total	C	N	O	0	0	0
			1543	962	315	266			

- Molecule 15 is a protein called 60S ribosomal protein L14-A.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
15	u	136	Total	C	N	O	S	0	0	0
			1053	675	199	177	2			
15	CO	136	Total	C	N	O	S	0	0	0
			1053	675	199	177	2			

- Molecule 16 is a protein called 60S ribosomal protein L15-A.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
16	v	203	Total	C	N	O	S	0	0	0
			1720	1077	361	281	1			
16	CP	203	Total	C	N	O	S	0	0	0
			1720	1077	361	281	1			

- Molecule 17 is a protein called 60S ribosomal protein L16-A.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
17	w	197	Total	C	N	O	S	0	0	0
			1555	1003	289	262	1			
17	CQ	197	Total	C	N	O	S	0	0	0
			1555	1003	289	262	1			

- Molecule 18 is a protein called 60S ribosomal protein L17-A.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
18	x	183	Total	C	N	O	0	0	0
			1420	882	281	257			
18	CR	155	Total	C	N	O	0	0	0
			1227	764	238	225			

- Molecule 19 is a protein called 60S ribosomal protein L18-A.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
19	y	185	Total	C	N	O	S	0	0	0
			1441	908	290	241	2			
19	CS	185	Total	C	N	O	S	0	0	0
			1441	908	290	241	2			

- Molecule 20 is a protein called 60S ribosomal protein L19-A.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
20	z	177	Total	C	N	O	0	0	0
			1432	881	310	241			
20	CT	188	Total	C	N	O	0	0	0
			1521	935	326	260			

- Molecule 21 is a protein called 60S ribosomal protein L20-A.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
21	0	172	Total	C	N	O	S	0	0	0
			1445	930	267	244	4			
21	CU	172	Total	C	N	O	S	0	0	0
			1445	930	267	244	4			

- Molecule 22 is a protein called 60S ribosomal protein L21-A.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
22	2	159	Total	C	N	O	S	0	0	0
			1276	805	246	221	4			
22	CV	159	Total	C	N	O	S	0	0	0
			1276	805	246	221	4			

- Molecule 23 is a protein called 60S ribosomal protein L22-A.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
23	5	100	Total	C	N	O	0	0	0
			796	516	131	149			
23	CW	100	Total	C	N	O	0	0	0
			796	516	131	149			

- Molecule 24 is a protein called 60S ribosomal protein L23-A.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
24	6	136	Total	C	N	O	S	0	0	0
			1003	628	189	179	7			
24	CX	136	Total	C	N	O	S	0	0	0
			1003	628	189	179	7			

- Molecule 25 is a protein called 60S ribosomal protein L24-A.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
25	7	65	Total	C	N	O	S	0	0	0
			533	343	104	85	1			
25	CY	111	Total	C	N	O	S	0	0	0
			769	485	153	130	1			

- Molecule 26 is a protein called 60S ribosomal protein L25.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
26	8	121	Total	C	N	O	S	0	0	0
			964	620	169	173	2			

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
26	CZ	117	Total	C	N	O	S	0	0	0
			937	602	164	169	2			

- Molecule 27 is a protein called 60S ribosomal protein L26-A.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
27	9	126	Total	C	N	O	0	0	0
			993	625	192	176			
27	DA	124	Total	C	N	O	0	0	0
			976	614	190	172			

- Molecule 28 is a protein called 60S ribosomal protein L27-A.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
28	AA	135	Total	C	N	O	0	0	0
			1092	710	202	180			
28	DB	135	Total	C	N	O	0	0	0
			1092	710	202	180			

- Molecule 29 is a protein called 60S ribosomal protein L28.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
29	AB	148	Total	C	N	O	S	0	0	0
			1173	749	231	190	3			
29	DC	148	Total	C	N	O	S	0	0	0
			1173	749	231	190	3			

- Molecule 30 is a protein called 60S ribosomal protein L29.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
30	AC	58	Total	C	N	O	0	0	0
			462	289	100	73			
30	DD	58	Total	C	N	O	0	0	0
			462	289	100	73			

- Molecule 31 is a protein called 60S ribosomal protein L30.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
31	AD	97	Total	C	N	O	S	0	0	0
			743	479	124	139	1			
31	DE	97	Total	C	N	O	S	0	0	0
			743	479	124	139	1			

- Molecule 32 is a protein called 60S ribosomal protein L31-A.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
32	AE	109	Total	C	N	O	S	0	0	0
			876	556	167	152	1			
32	DF	109	Total	C	N	O	S	0	0	0
			876	556	167	152	1			

- Molecule 33 is a protein called 60S ribosomal protein L32.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
33	AF	127	Total	C	N	O	S	0	0	0
			1020	647	205	167	1			
33	DG	127	Total	C	N	O	S	0	0	0
			1020	647	205	167	1			

- Molecule 34 is a protein called 60S ribosomal protein L33-A.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
34	AG	106	Total	C	N	O	S	0	0	0
			844	537	162	144	1			
34	DH	106	Total	C	N	O	S	0	0	0
			850	540	165	144	1			

- Molecule 35 is a protein called 60S ribosomal protein L34-A.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
35	AH	111	Total	C	N	O	S	0	0	0
			871	539	177	151	4			
35	DI	112	Total	C	N	O	S	0	0	0
			880	545	179	152	4			

- Molecule 36 is a protein called 60S ribosomal protein L35-A.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
36	AI	119	Total	C	N	O	S	0	0	0
			969	615	186	167	1			
36	DJ	119	Total	C	N	O	S	0	0	0
			969	615	186	167	1			

- Molecule 37 is a protein called 60S ribosomal protein L36-A.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
37	AJ	96	Total	C	N	O	S	0	0	0
			739	463	145	129	2			
37	DK	99	Total	C	N	O	S	0	0	0
			771	481	156	132	2			

- Molecule 38 is a protein called 60S ribosomal protein L37-A.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
38	AK	87	Total	C	N	O	S	0	0	0
			681	414	148	114	5			
38	DL	86	Total	C	N	O	S	0	0	0
			676	411	147	113	5			

- Molecule 39 is a protein called 60S ribosomal protein L38.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
39	AL	77	Total	C	N	O	0	0	0
			612	391	115	106			
39	DM	77	Total	C	N	O	0	0	0
			612	391	115	106			

- Molecule 40 is a protein called 60S ribosomal protein L39.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
40	AM	50	Total	C	N	O	S	0	0	0
			436	272	97	65	2			
40	DN	50	Total	C	N	O	S	0	0	0
			436	272	97	65	2			

- Molecule 41 is a protein called Ubiquitin-60S ribosomal protein L40.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
41	AN	52	Total	C	N	O	S	0	0	0
			417	259	86	67	5			
41	DO	52	Total	C	N	O	S	0	0	0
			417	259	86	67	5			

- Molecule 42 is a protein called Large ribosomal subunit protein eL41B.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
42	AO	25	Total	C	N	O	S	0	0	0
			233	142	63	27	1			

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
42	DP	25	Total	C	N	O	S	0	0	0
			233	142	63	27	1			

- Molecule 43 is a protein called 60S ribosomal protein L42-A.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
43	AP	105	Total	C	N	O	S	0	0	0
			847	534	170	138	5			
43	DQ	105	Total	C	N	O	S	0	0	0
			847	534	170	138	5			

- Molecule 44 is a protein called 60S ribosomal protein L43-A.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
44	AQ	91	Total	C	N	O	S	0	0	0
			694	429	138	121	6			
44	DR	91	Total	C	N	O	S	0	0	0
			694	429	138	121	6			

- Molecule 45 is a protein called Suppressor protein STM1.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
45	i	142	Total	C	N	O	0	0	0
			1017	599	204	214			
45	sM	63	Total	C	N	O	0	0	0
			475	280	99	96			

- Molecule 46 is a protein called 60S acidic ribosomal protein P0.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
46	p0	126	Total	C	N	O	S	0	0	0
			992	636	175	178	3			

- Molecule 47 is a RNA chain called 16S ribosomal RNA.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
47	A	1741	Total	C	N	O	P	0	0	0
			37101	16586	6569	12205	1741			
47	sR	1783	Total	C	N	O	P	0	0	0
			37990	16984	6723	12500	1783			

- Molecule 48 is a protein called 40S ribosomal protein S0-A.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
48	B	206	Total	C	N	O	S	0	0	0
			1562	1006	273	281	2			
48	s0	206	Total	C	N	O	S	0	0	0
			1583	1017	281	283	2			

- Molecule 49 is a protein called 40S ribosomal protein S1-A.

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

- Molecule 50 is a protein called 40S ribosomal protein S2.

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

- Molecule 51 is a protein called Small ribosomal subunit protein uS3.

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

- Molecule 52 is a protein called 40S ribosomal protein S4-A.

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

- Molecule 53 is a protein called 40S ribosomal protein S5.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
53	G	206	Total	C	N	O	S	0	0	0
			1609	1007	300	299	3			

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
53	s5	198	Total	C	N	O	S	0	0	0
			1561	981	286	291	3			

- Molecule 54 is a protein called 40S ribosomal protein S6-A.

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

- Molecule 55 is a protein called 40S ribosomal protein S7-A.

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

- Molecule 56 is a protein called 40S ribosomal protein S8-A.

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

- Molecule 57 is a protein called 40S ribosomal protein S9-A.

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

- Molecule 58 is a protein called 40S ribosomal protein S10-A.

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

- Molecule 59 is a protein called 40S ribosomal protein S11-A.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
59	M	142	Total	C	N	O	S	0	0	0
			1149	736	217	193	3			
59	c1	146	Total	C	N	O	S	0	0	0
			1168	747	221	197	3			

- Molecule 60 is a protein called 40S ribosomal protein S12.

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

- Molecule 61 is a protein called 40S ribosomal protein S13.

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

- Molecule 62 is a protein called 40S ribosomal protein S14-B.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
62	P	127	Total	C	N	O	S	0	0	0
			891	545	182	163	1			
62	c4	127	Total	C	N	O	S	0	0	0
			940	577	186	174	3			

- Molecule 63 is a protein called 40S ribosomal protein S15.

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

- Molecule 64 is a protein called 40S ribosomal protein S16-A.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
64	R	141	Total	C	N	O	0	0	0
			1105	708	203	194			

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Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
64	c6	142	Total 1111	C 711	N 204	O 196	0	0	0

- Molecule 65 is a protein called 40S ribosomal protein S17-A.

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

- Molecule 66 is a protein called 40S ribosomal protein S18-A.

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

- Molecule 67 is a protein called 40S ribosomal protein S19-A.

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

- Molecule 68 is a protein called Small ribosomal subunit protein uS10.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
68	V	96	Total 765	C 481	N 139	O 144	S 1	0	0	0
68	d0	89	Total 715	C 451	N 131	O 132	S 1	0	0	0

- Molecule 69 is a protein called 40S ribosomal protein S21-A.

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

- Molecule 70 is a protein called 40S ribosomal protein S22-A.

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

- Molecule 71 is a protein called 40S ribosomal protein S23-A.

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

- Molecule 72 is a protein called 40S ribosomal protein S24-A.

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

- Molecule 73 is a protein called 40S ribosomal protein S25-A.

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

- Molecule 74 is a protein called Small ribosomal subunit protein eS26B.

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

- Molecule 75 is a protein called 40S ribosomal protein S27-A.

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

- Molecule 76 is a protein called 40S ribosomal protein S28-A.

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

- Molecule 77 is a protein called Small ribosomal subunit protein uS14A.

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

- Molecule 78 is a protein called 40S ribosomal protein S30-A.

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

- Molecule 79 is a protein called Ubiquitin.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
79	g	71	Total	C	N	O	S	0	0	0
			566	362	106	94	4			
79	e1	51	Total	C	N	O		0	0	0
			251	149	51	51				

- Molecule 80 is a protein called Guanine nucleotide-binding protein subunit beta-like protein.

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

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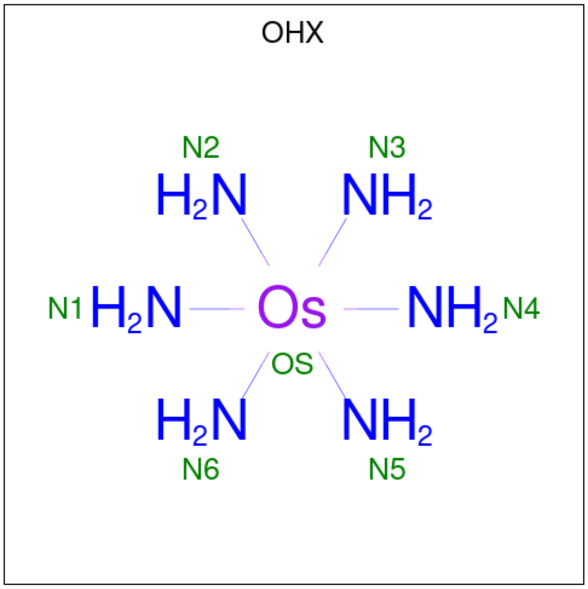
Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
			Total	C	N	O	S			
80	Rb	318	2442	1544	418	472	8	0	0	0

- Molecule 81 is osmium (III) hexammine (three-letter code: OHX) (formula: $H_{12}N_6Os$).



Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
			Total	N	Os		
81	1	1	7	6	1	0	0
81	1	1	7	6	1	0	0
81	1	1	7	6	1	0	0
81	1	1	7	6	1	0	0
81	1	1	7	6	1	0	0
81	1	1	7	6	1	0	0
81	1	1	7	6	1	0	0
81	1	1	7	6	1	0	0
81	1	1	7	6	1	0	0
81	1	1	7	6	1	0	0

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Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
81	1	1	Total N Os 7 6 1	0	0
81	1	1	Total N Os 7 6 1	0	0
81	1	1	Total N Os 7 6 1	0	0
81	1	1	Total N Os 7 6 1	0	0
81	1	1	Total N Os 7 6 1	0	0
81	1	1	Total N Os 7 6 1	0	0
81	1	1	Total N Os 7 6 1	0	0
81	1	1	Total N Os 7 6 1	0	0
81	1	1	Total N Os 7 6 1	0	0
81	1	1	Total N Os 7 6 1	0	0
81	1	1	Total N Os 7 6 1	0	0
81	1	1	Total N Os 7 6 1	0	0
81	1	1	Total N Os 7 6 1	0	0
81	1	1	Total N Os 7 6 1	0	0
81	1	1	Total N Os 7 6 1	0	0
81	1	1	Total N Os 7 6 1	0	0
81	1	1	Total N Os 7 6 1	0	0
81	1	1	Total N Os 7 6 1	0	0
81	1	1	Total N Os 7 6 1	0	0
81	1	1	Total N Os 7 6 1	0	0
81	1	1	Total N Os 7 6 1	0	0

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Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
81	1	1	Total N Os 7 6 1	0	0
81	1	1	Total N Os 7 6 1	0	0
81	1	1	Total N Os 7 6 1	0	0
81	1	1	Total N Os 7 6 1	0	0
81	1	1	Total N Os 7 6 1	0	0
81	1	1	Total N Os 7 6 1	0	0
81	1	1	Total N Os 7 6 1	0	0
81	1	1	Total N Os 7 6 1	0	0
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81	1	1	Total N Os 7 6 1	0	0
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81	1	1	Total N Os 7 6 1	0	0
81	1	1	Total N Os 7 6 1	0	0
81	1	1	Total N Os 7 6 1	0	0
81	1	1	Total N Os 7 6 1	0	0
81	1	1	Total N Os 7 6 1	0	0
81	1	1	Total N Os 7 6 1	0	0
81	1	1	Total N Os 7 6 1	0	0
81	1	1	Total N Os 7 6 1	0	0
81	1	1	Total N Os 7 6 1	0	0

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Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
81	1	1	Total N Os 7 6 1	0	0
81	1	1	Total N Os 7 6 1	0	0
81	1	1	Total N Os 7 6 1	0	0
81	1	1	Total N Os 7 6 1	0	0
81	1	1	Total N Os 7 6 1	0	0
81	1	1	Total N Os 7 6 1	0	0
81	1	1	Total N Os 7 6 1	0	0
81	1	1	Total N Os 7 6 1	0	0
81	1	1	Total N Os 7 6 1	0	0
81	1	1	Total N Os 7 6 1	0	0
81	1	1	Total N Os 7 6 1	0	0
81	1	1	Total N Os 7 6 1	0	0
81	1	1	Total N Os 7 6 1	0	0
81	1	1	Total N Os 7 6 1	0	0
81	1	1	Total N Os 12 10 2	0	1
81	1	1	Total N Os 7 6 1	0	0
81	1	1	Total N Os 7 6 1	0	0
81	1	1	Total N Os 7 6 1	0	0
81	1	1	Total N Os 7 6 1	0	0
81	1	1	Total N Os 7 6 1	0	0
81	1	1	Total N Os 7 6 1	0	0

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Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
81	1	1	Total N Os 7 6 1	0	0
81	1	1	Total N Os 7 6 1	0	0
81	1	1	Total N Os 7 6 1	0	0
81	1	1	Total N Os 7 6 1	0	0
81	1	1	Total N Os 7 6 1	0	0
81	1	1	Total N Os 7 6 1	0	0
81	1	1	Total N Os 7 6 1	0	0
81	1	1	Total N Os 7 6 1	0	0
81	1	1	Total N Os 14 12 2	0	1
81	1	1	Total N Os 7 6 1	0	0
81	1	1	Total N Os 7 6 1	0	0
81	1	1	Total N Os 14 12 2	0	1
81	1	1	Total N Os 7 6 1	0	0
81	1	1	Total N Os 7 6 1	0	0
81	1	1	Total N Os 7 6 1	0	0
81	1	1	Total N Os 7 6 1	0	0
81	1	1	Total N Os 7 6 1	0	0
81	1	1	Total N Os 7 6 1	0	0
81	1	1	Total N Os 7 6 1	0	0

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Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
81	1	1	Total N Os 7 6 1	0	0
81	1	1	Total N Os 7 6 1	0	0
81	1	1	Total N Os 7 6 1	0	0
81	1	1	Total N Os 7 6 1	0	0
81	1	1	Total N Os 7 6 1	0	0
81	1	1	Total N Os 7 6 1	0	0
81	1	1	Total N Os 7 6 1	0	0
81	1	1	Total N Os 7 6 1	0	0
81	1	1	Total N Os 7 6 1	0	0
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81	1	1	Total N Os 7 6 1	0	0

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Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
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81	1	1	Total N Os 7 6 1	0	0
81	1	1	Total N Os 7 6 1	0	0
81	1	1	Total N Os 14 12 2	0	1
81	1	1	Total N Os 7 6 1	0	0
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81	1	1	Total N Os 7 6 1	0	0
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81	1	1	Total N Os 7 6 1	0	0
81	1	1	Total N Os 7 6 1	0	0
81	1	1	Total N Os 7 6 1	0	0
81	1	1	Total N Os 14 12 2	0	1
81	1	1	Total N Os 7 6 1	0	0

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Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
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Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
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81	1	1	Total N Os 7 6 1	0	0

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Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
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Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
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Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
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81	1	1	Total N Os 7 6 1	0	0
81	1	1	Total N Os 7 6 1	0	0
81	1	1	Total N Os 7 6 1	0	0
81	1	1	Total N Os 6 5 1	0	0

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Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
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81	1	1	Total N Os 7 6 1	0	0
81	1	1	Total N Os 7 6 1	0	0
81	1	1	Total N Os 7 6 1	0	0

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Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
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81	3	1	Total N Os 7 6 1	0	0

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Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
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81	4	1	Total N Os 7 6 1	0	0

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Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
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81	l	1	Total N Os 7 6 1	0	0
81	r	1	Total N Os 7 6 1	0	0
81	v	1	Total N Os 7 6 1	0	0
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81	z	1	Total N Os 7 6 1	0	0
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81	AG	1	Total N Os 7 6 1	0	0
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81	AR	1	Total N Os 7 6 1	0	0
81	AR	1	Total N Os 7 6 1	0	0
81	AR	1	Total N Os 7 6 1	0	0

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

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Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
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81	AR	1	Total N Os 7 6 1	0	0
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Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
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81	AR	1	Total N Os 7 6 1	0	0
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81	AR	1	Total N Os 7 6 1	0	0
81	AR	1	Total N Os 14 12 2	0	1
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Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
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Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
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Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
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Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
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Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
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Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
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81	AR	1	Total N Os 7 6 1	0	0
81	AR	1	Total N Os 7 6 1	0	0
81	AR	1	Total N Os 7 6 1	0	0
81	AR	1	Total N Os 7 6 1	0	0
81	AR	1	Total N Os 7 6 1	0	0

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

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

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

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Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
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81	AR	1	Total N Os 7 6 1	0	0
81	AR	1	Total N Os 7 6 1	0	0
81	AR	1	Total N Os 7 6 1	0	0
81	AR	1	Total N Os 14 12 2	0	1
81	AR	1	Total N Os 7 6 1	0	0
81	AR	1	Total N Os 7 6 1	0	0
81	AR	1	Total N Os 7 6 1	0	0
81	AR	1	Total N Os 7 6 1	0	0
81	AR	1	Total N Os 7 6 1	0	0
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81	AR	1	Total N Os 7 6 1	0	0
81	AR	1	Total N Os 7 6 1	0	0
81	AR	1	Total N Os 6 5 1	0	0
81	AS	1	Total N Os 7 6 1	0	0
81	AS	1	Total N Os 7 6 1	0	0

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Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
81	AS	1	Total N Os 7 6 1	0	0
81	AS	1	Total N Os 7 6 1	0	0
81	AS	1	Total N Os 7 6 1	0	0
81	AS	1	Total N Os 7 6 1	0	0
81	AS	1	Total N Os 7 6 1	0	0
81	AS	1	Total N Os 7 6 1	0	0
81	AS	1	Total N Os 7 6 1	0	0
81	AS	1	Total N Os 7 6 1	0	0
81	AT	1	Total N Os 7 6 1	0	0
81	AT	1	Total N Os 7 6 1	0	0
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81	AT	1	Total N Os 7 6 1	0	0
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81	AT	1	Total N Os 7 6 1	0	0
81	AT	1	Total N Os 7 6 1	0	0
81	AT	1	Total N Os 7 6 1	0	0
81	AT	1	Total N Os 7 6 1	0	0
81	AT	1	Total N Os 7 6 1	0	0

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Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
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81	CE	1	Total N Os 7 6 1	0	0
81	CE	1	Total N Os 7 6 1	0	0
81	CG	1	Total N Os 6 5 1	0	0
81	CG	1	Total N Os 7 6 1	0	0
81	CG	1	Total N Os 7 6 1	0	0
81	CK	1	Total N Os 7 6 1	0	0
81	CL	1	Total N Os 7 6 1	0	0
81	CL	1	Total N Os 14 12 2	0	1
81	CP	1	Total N Os 7 6 1	0	0
81	CP	1	Total N Os 7 6 1	0	0
81	CQ	1	Total N Os 7 6 1	0	0
81	CS	1	Total N Os 7 6 1	0	0
81	CX	1	Total N Os 7 6 1	0	0
81	CX	1	Total N Os 7 6 1	0	0
81	DD	1	Total N Os 7 6 1	0	0
81	DK	1	Total N Os 7 6 1	0	0
81	DL	1	Total N Os 7 6 1	0	0
81	DQ	1	Total N Os 7 6 1	0	0
81	A	1	Total N Os 7 6 1	0	0
81	A	1	Total N Os 7 6 1	0	0

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

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

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

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

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

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Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
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81	A	1	Total N Os 7 6 1	0	0
81	A	1	Total N Os 7 6 1	0	0
81	A	1	Total N Os 7 6 1	0	0
81	A	1	Total N Os 7 6 1	0	0
81	A	1	Total N Os 7 6 1	0	0
81	A	1	Total N Os 7 6 1	0	0
81	A	1	Total N Os 7 6 1	0	0
81	A	1	Total N Os 7 6 1	0	0
81	A	1	Total N Os 6 5 1	0	0
81	A	1	Total N Os 7 6 1	0	0
81	A	1	Total N Os 7 6 1	0	0
81	J	1	Total N Os 7 6 1	0	0
81	O	1	Total N Os 7 6 1	0	0
81	Q	1	Total N Os 7 6 1	0	0
81	S	1	Total N Os 7 6 1	0	0
81	T	1	Total N Os 7 6 1	0	0
81	U	1	Total N Os 7 6 1	0	0
81	e	1	Total N Os 7 6 1	0	0
81	sR	1	Total N Os 7 6 1	0	0
81	sR	1	Total N Os 7 6 1	0	0

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Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
81	sR	1	Total N Os 7 6 1	0	0
81	sR	1	Total N Os 7 6 1	0	0
81	sR	1	Total N Os 7 6 1	0	0
81	sR	1	Total N Os 7 6 1	0	0
81	sR	1	Total N Os 7 6 1	0	0
81	sR	1	Total N Os 7 6 1	0	0
81	sR	1	Total N Os 7 6 1	0	0
81	sR	1	Total N Os 7 6 1	0	0
81	sR	1	Total N Os 7 6 1	0	0
81	sR	1	Total N Os 7 6 1	0	0
81	sR	1	Total N Os 7 6 1	0	0
81	sR	1	Total N Os 7 6 1	0	0
81	sR	1	Total N Os 14 12 2	0	1
81	sR	1	Total N Os 7 6 1	0	0
81	sR	1	Total N Os 7 6 1	0	0
81	sR	1	Total N Os 7 6 1	0	0
81	sR	1	Total N Os 7 6 1	0	0
81	sR	1	Total N Os 7 6 1	0	0
81	sR	1	Total N Os 7 6 1	0	0
81	sR	1	Total N Os 7 6 1	0	0
81	sR	1	Total N Os 7 6 1	0	0

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

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Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
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81	sR	1	Total N Os 7 6 1	0	0
81	sR	1	Total N Os 7 6 1	0	0
81	sR	1	Total N Os 7 6 1	0	0
81	sR	1	Total N Os 14 12 2	0	1
81	sR	1	Total N Os 7 6 1	0	0
81	sR	1	Total N Os 7 6 1	0	0
81	sR	1	Total N Os 7 6 1	0	0
81	sR	1	Total N Os 7 6 1	0	0
81	sR	1	Total N Os 7 6 1	0	0
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81	sR	1	Total N Os 7 6 1	0	0
81	sR	1	Total N Os 7 6 1	0	0
81	sR	1	Total N Os 7 6 1	0	0
81	sR	1	Total N Os 7 6 1	0	0
81	sR	1	Total N Os 7 6 1	0	0

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

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

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

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Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
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81	sR	1	Total N Os 7 6 1	0	0
81	sR	1	Total N Os 7 6 1	0	0
81	sR	1	Total N Os 7 6 1	0	0
81	sR	1	Total N Os 7 6 1	0	0
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81	sR	1	Total N Os 7 6 1	0	0
81	sR	1	Total N Os 7 6 1	0	0
81	s1	1	Total N Os 7 6 1	0	0
81	s4	1	Total N Os 7 6 1	0	0
81	s8	1	Total N Os 7 6 1	0	0
81	c3	1	Total N Os 7 6 1	0	0
81	c5	1	Total N Os 7 6 1	0	0
81	c8	1	Total N Os 7 6 1	0	0
81	d0	1	Total N Os 7 6 1	0	0

- Molecule 82 is MAGNESIUM ION (three-letter code: MG) (formula: Mg).

Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
82	1	476	Total Mg 476 476	0	0
82	3	11	Total Mg 11 11	0	0

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Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
82	4	20	Total Mg 20 20	0	0
82	j	3	Total Mg 3 3	0	0
82	k	1	Total Mg 1 1	0	0
82	l	3	Total Mg 3 3	0	0
82	n	1	Total Mg 1 1	0	0
82	o	1	Total Mg 1 1	0	0
82	r	3	Total Mg 3 3	0	0
82	s	1	Total Mg 1 1	0	0
82	t	3	Total Mg 3 3	0	0
82	v	3	Total Mg 3 3	0	0
82	w	1	Total Mg 1 1	0	0
82	x	8	Total Mg 8 8	0	0
82	z	1	Total Mg 1 1	0	0
82	6	3	Total Mg 3 3	0	0
82	AB	5	Total Mg 5 5	0	0
82	AF	4	Total Mg 4 4	0	0
82	AG	2	Total Mg 2 2	0	0
82	AK	1	Total Mg 1 1	0	0
82	AR	519	Total Mg 519 519	0	0
82	AS	20	Total Mg 20 20	0	0
82	AT	17	Total Mg 17 17	0	0

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Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
82	CD	3	Total Mg 3 3	0	0
82	CE	6	Total Mg 6 6	0	0
82	CF	2	Total Mg 2 2	0	0
82	CG	1	Total Mg 1 1	0	0
82	CI	3	Total Mg 3 3	0	0
82	CK	1	Total Mg 1 1	0	0
82	CL	1	Total Mg 1 1	0	0
82	CM	2	Total Mg 2 2	0	0
82	CO	1	Total Mg 1 1	0	0
82	CP	3	Total Mg 3 3	0	0
82	CQ	4	Total Mg 4 4	0	0
82	CR	5	Total Mg 5 5	0	0
82	CU	1	Total Mg 1 1	0	0
82	CX	1	Total Mg 1 1	0	0
82	CY	1	Total Mg 1 1	0	0
82	DA	2	Total Mg 2 2	0	0
82	DC	3	Total Mg 3 3	0	0
82	DF	1	Total Mg 1 1	0	0
82	DH	2	Total Mg 2 2	0	0
82	DI	1	Total Mg 1 1	0	0
82	DL	1	Total Mg 1 1	0	0

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Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
82	DO	1	Total Mg 1 1	0	0
82	DP	1	Total Mg 1 1	0	0
82	DQ	2	Total Mg 2 2	0	0
82	sM	2	Total Mg 2 2	0	0
82	A	132	Total Mg 132 132	0	0
82	F	1	Total Mg 1 1	0	0
82	H	1	Total Mg 1 1	0	0
82	O	1	Total Mg 1 1	0	0
82	P	1	Total Mg 1 1	0	0
82	X	1	Total Mg 1 1	0	0
82	Y	1	Total Mg 1 1	0	0
82	b	1	Total Mg 1 1	0	0
82	sR	144	Total Mg 144 144	0	0
82	s1	1	Total Mg 1 1	0	0
82	s2	1	Total Mg 1 1	0	0
82	s4	1	Total Mg 1 1	0	0
82	s8	2	Total Mg 2 2	0	0
82	s9	1	Total Mg 1 1	0	0
82	c1	1	Total Mg 1 1	0	0
82	c4	2	Total Mg 2 2	0	0
82	c6	2	Total Mg 2 2	0	0

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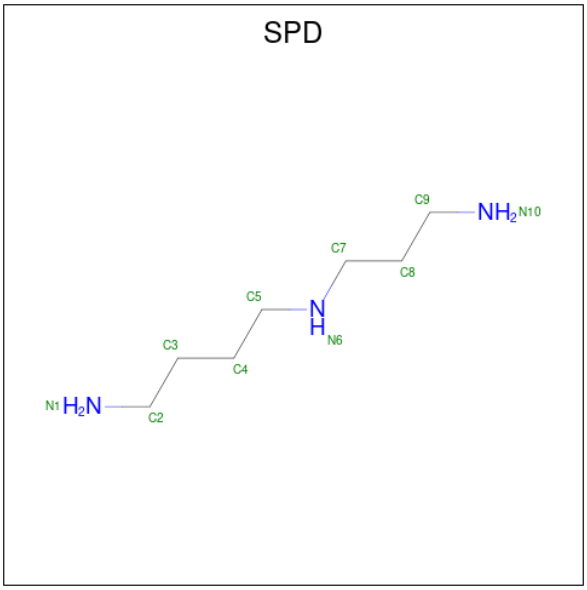
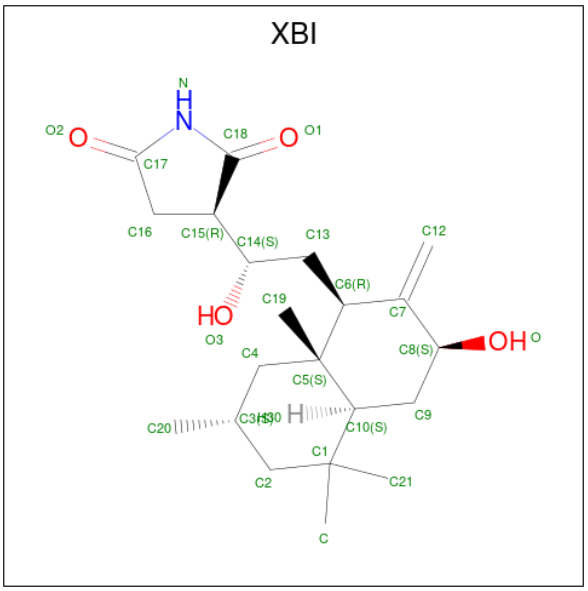
Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
82	c8	1	Total Mg 1 1	0	0
82	c9	1	Total Mg 1 1	0	0
82	d3	4	Total Mg 4 4	0	0
82	d4	3	Total Mg 3 3	0	0
82	d5	1	Total Mg 1 1	0	0
82	d6	2	Total Mg 2 2	0	0
82	d9	1	Total Mg 1 1	0	0

- Molecule 83 is SPERMIDINE (three-letter code: SPD) (formula: $C_7H_{19}N_3$).



Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
83	1	1	Total C N 10 7 3	0	0
83	AR	1	Total C N 10 7 3	0	0

- Molecule 84 is (3 {R})-3-[(1 {S})-2-[(1 {R},3 {S},4 {a} {S},7 {S},8 {a} {S})-5,5,7,8 {a}-tetramethyl-2-methylidene-3-oxidanyl-3,4,4 {a},6,7,8-hexahydro-1 {H}-naphthalen-1-yl]-1-oxidanyl-ethyl]pyrrolidine-2,5-dione (three-letter code: XBI) (formula: $C_{21}H_{33}NO_4$).



Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
84	1	1	Total C N O 26 21 1 4	0	0
84	AR	1	Total C N O 26 21 1 4	0	0

- Molecule 85 is ZINC ION (three-letter code: ZN) (formula: Zn).

Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
85	AH	1	Total Zn 1 1	0	0
85	AK	1	Total Zn 1 1	0	0
85	AN	1	Total Zn 1 1	0	0
85	AP	1	Total Zn 1 1	0	0
85	AQ	1	Total Zn 1 1	0	0
85	DI	1	Total Zn 1 1	0	0
85	DL	1	Total Zn 1 1	0	0
85	DO	1	Total Zn 1 1	0	0
85	DQ	1	Total Zn 1 1	0	0
85	DR	1	Total Zn 1 1	0	0

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Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
85	b	1	Total Zn 1 1	0	0
85	c	1	Total Zn 1 1	0	0
85	e	1	Total Zn 1 1	0	0
85	g	1	Total Zn 1 1	0	0
85	d6	1	Total Zn 1 1	0	0
85	d7	1	Total Zn 1 1	0	0
85	d9	1	Total Zn 1 1	0	0
85	e1	1	Total Zn 1 1	0	0

- Molecule 86 is water.

Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
86	1	53	Total O 53 53	0	0
86	j	1	Total O 1 1	0	0
86	AE	1	Total O 1 1	0	0
86	AF	3	Total O 3 3	0	0
86	AR	82	Total O 82 82	0	0
86	AT	3	Total O 3 3	0	0
86	CP	2	Total O 2 2	0	0
86	CR	1	Total O 1 1	0	0
86	DG	3	Total O 3 3	0	0
86	A	33	Total O 33 33	0	0
86	M	1	Total O 1 1	0	0

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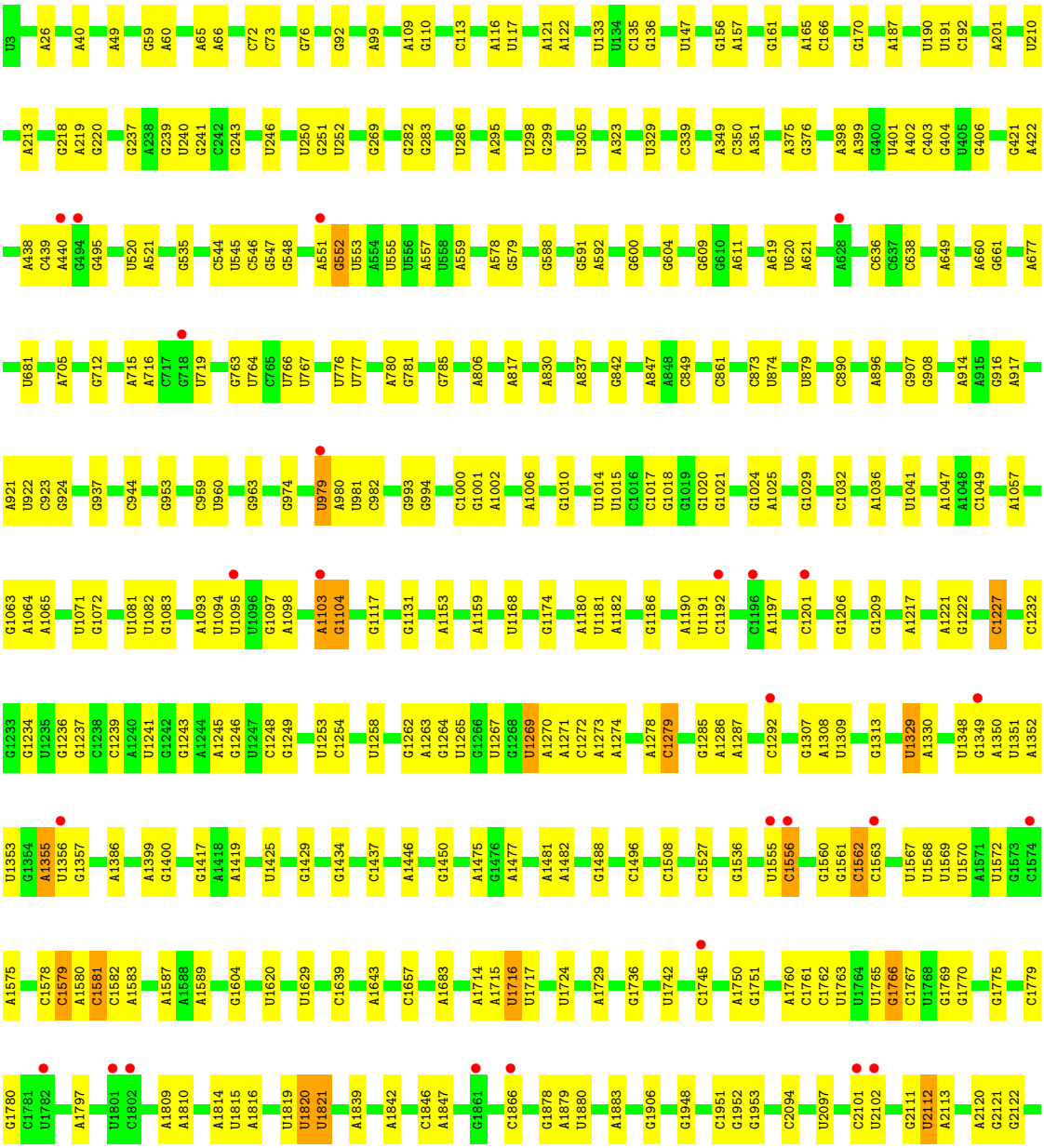
Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
86	sR	23	Total	O	0	0
			23	23		

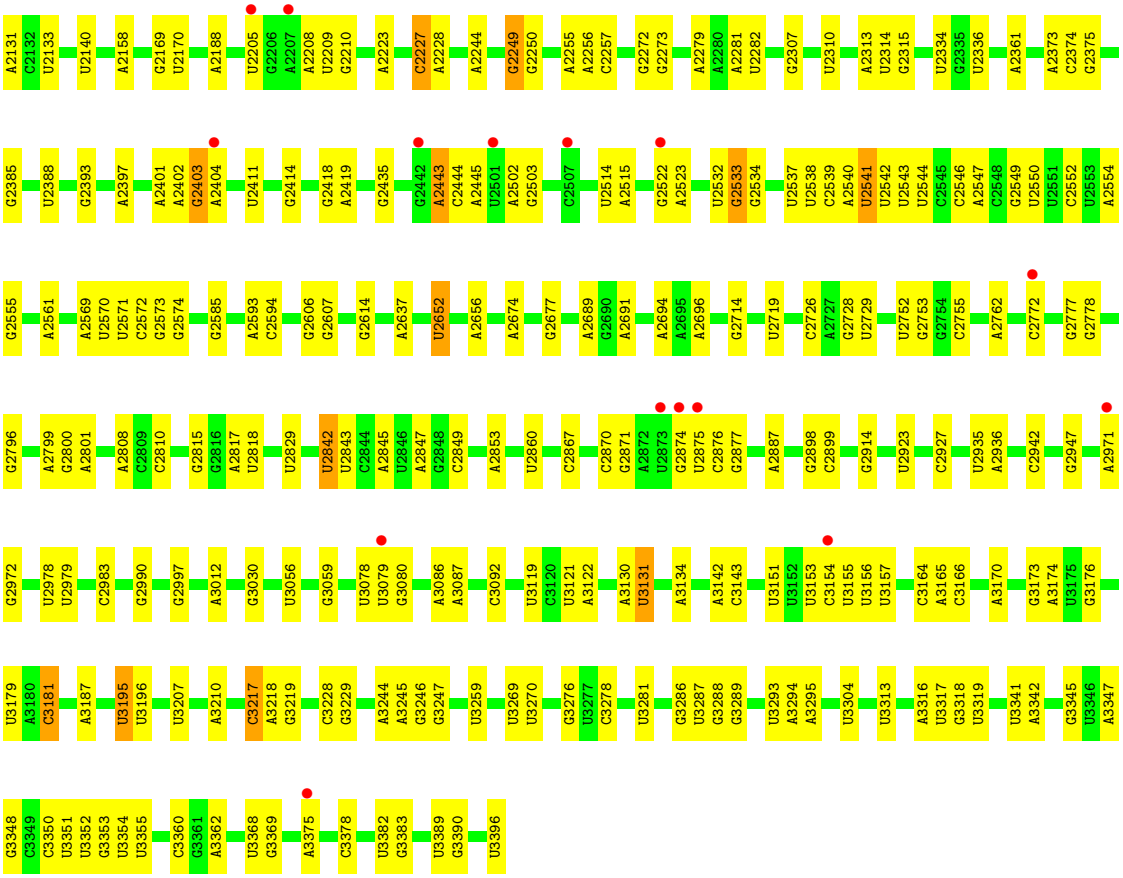
3 Residue-property plots (i)

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: 25S ribosomal RNA

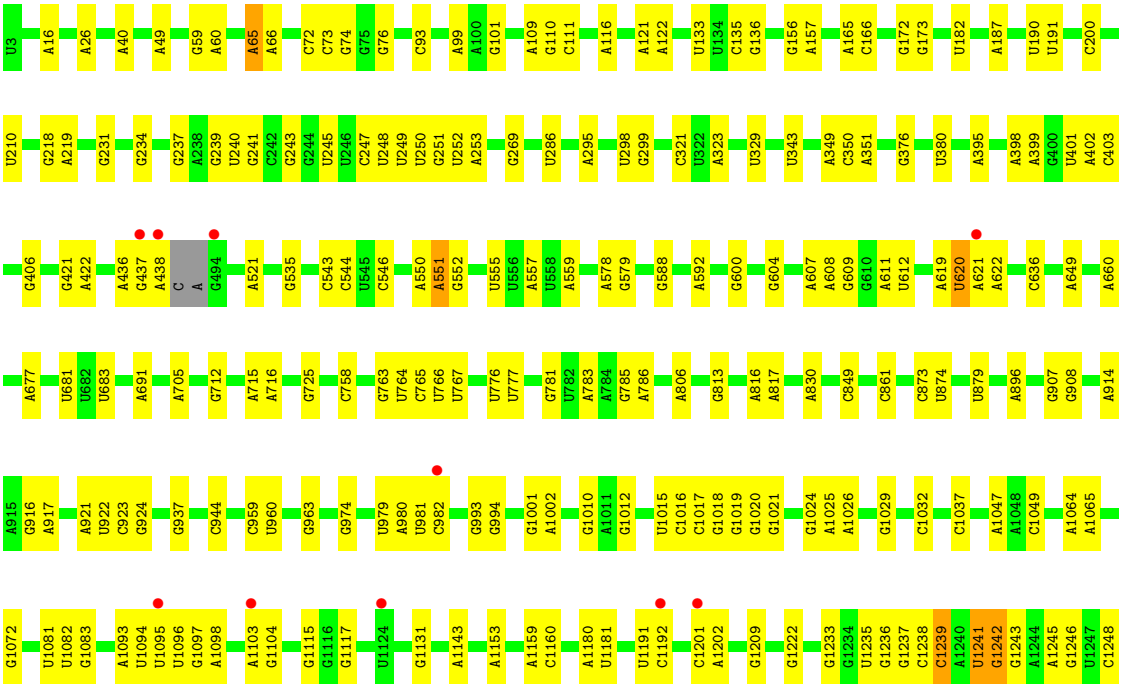
Chain 1:

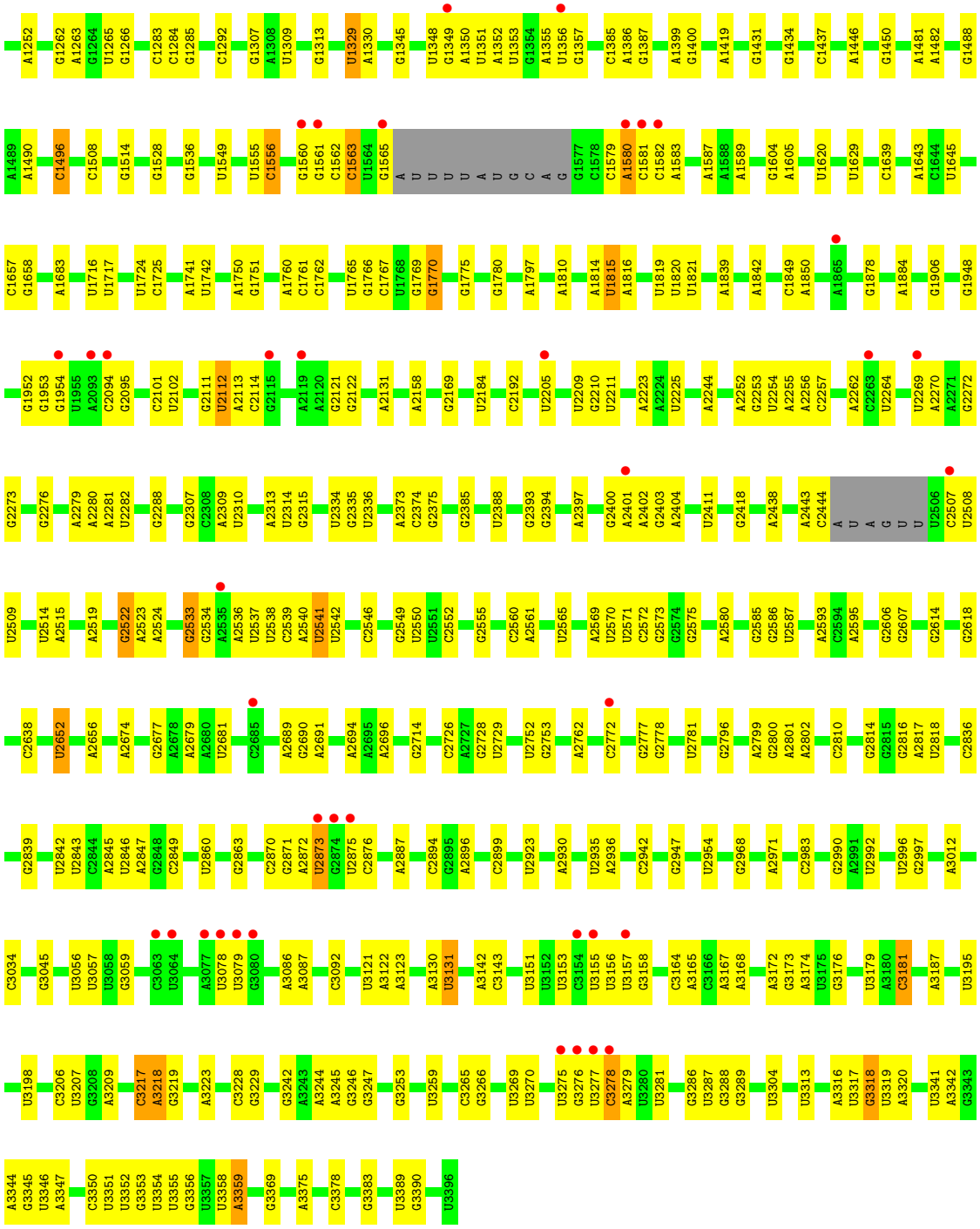




• Molecule 1: 25S ribosomal RNA

Chain AR:



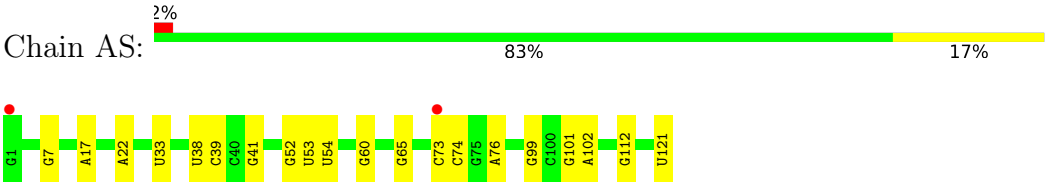


• Molecule 2: 5S ribosomal RNA

Chain 3:

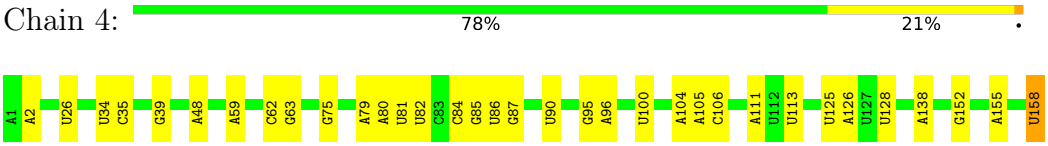
• Molecule 2: 5S ribosomal RNA

Chain AS:



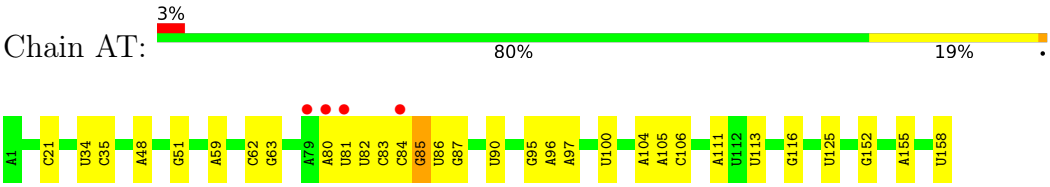
• Molecule 3: 5.8 ribosomal RNA

Chain 4:



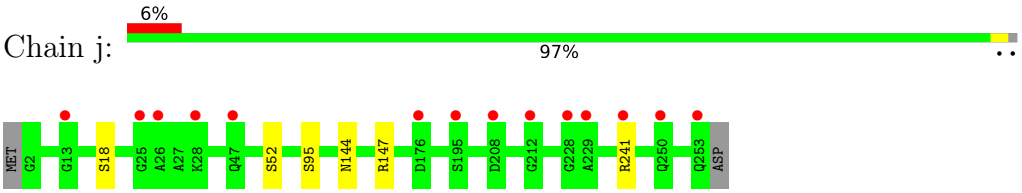
• Molecule 3: 5.8 ribosomal RNA

Chain AT:



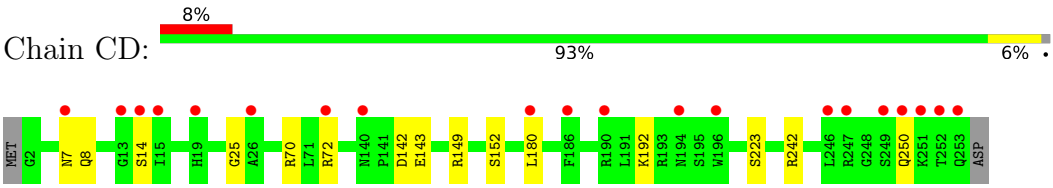
• Molecule 4: 60S ribosomal protein L2-A

Chain j:



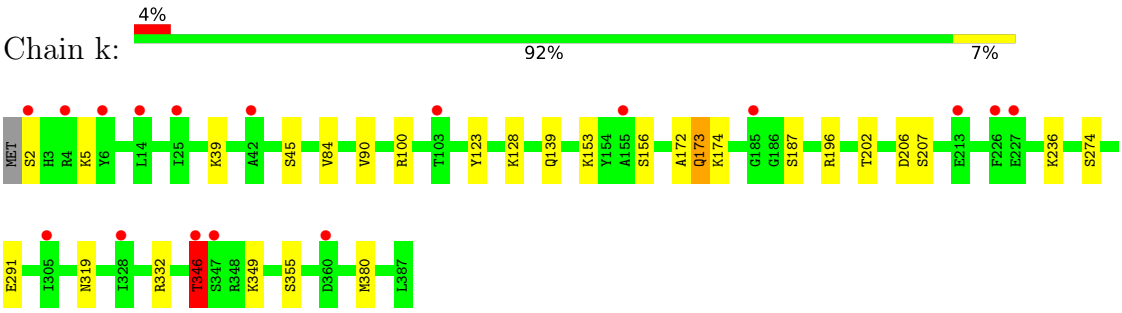
• Molecule 4: 60S ribosomal protein L2-A

Chain CD:



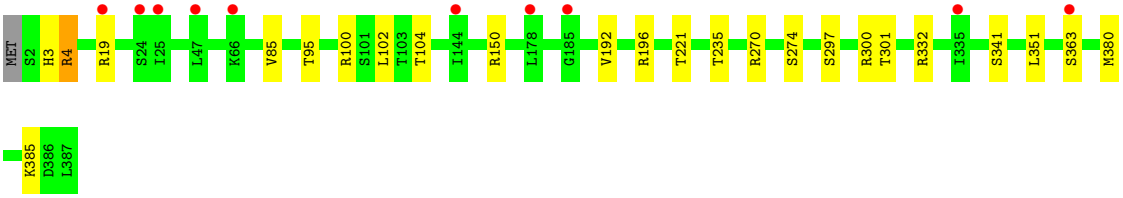
• Molecule 5: 60S ribosomal protein L3

Chain k:

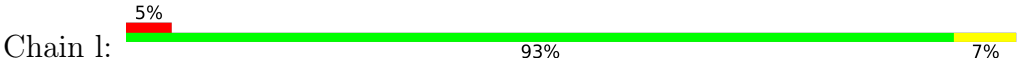


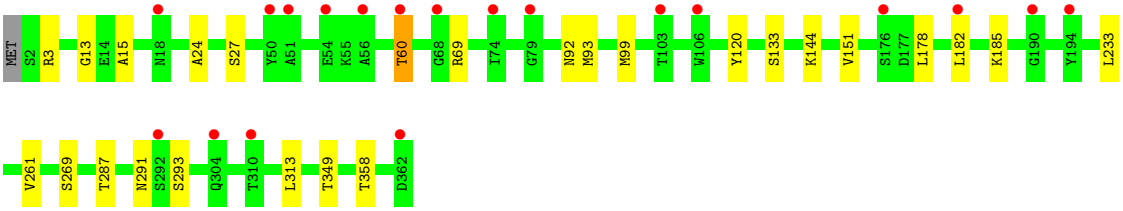
• Molecule 5: 60S ribosomal protein L3

Chain CE:

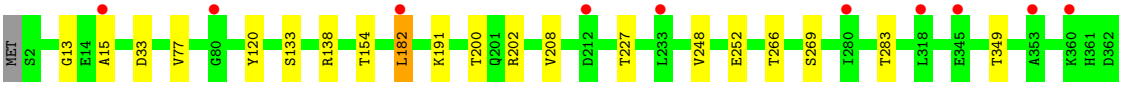


• Molecule 6: 60S ribosomal protein L4-A

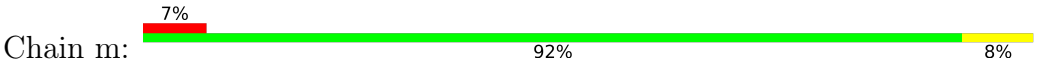


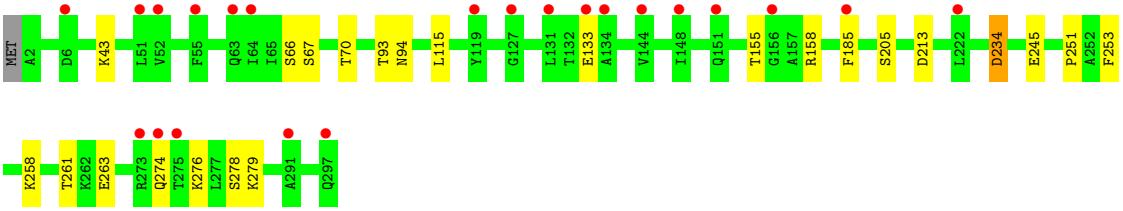


• Molecule 6: 60S ribosomal protein L4-A

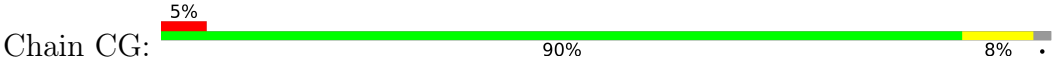


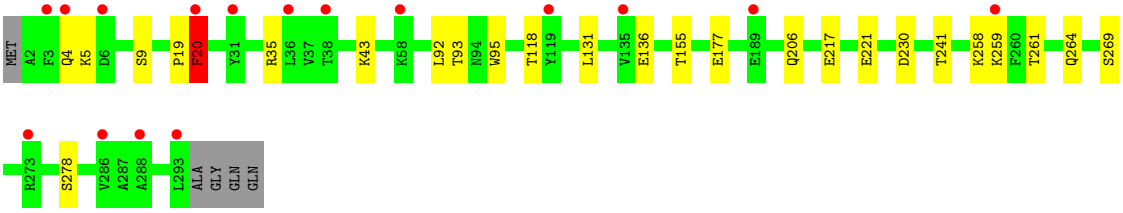
• Molecule 7: 60S ribosomal protein L5



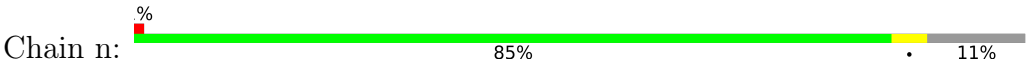


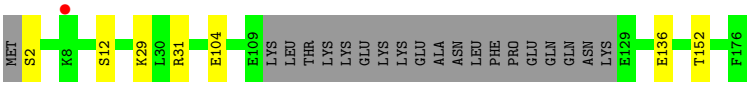
• Molecule 7: 60S ribosomal protein L5



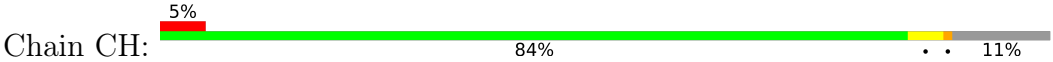


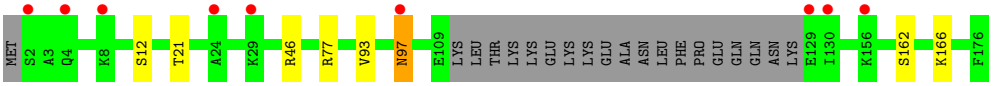
• Molecule 8: 60S ribosomal protein L6-A



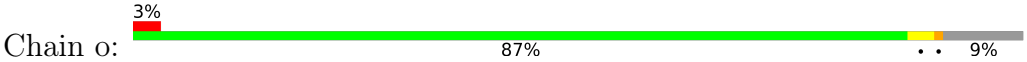


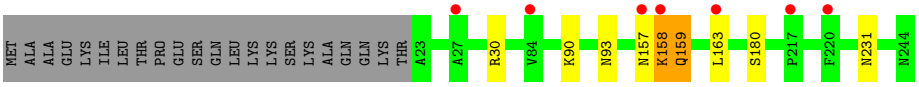
• Molecule 8: 60S ribosomal protein L6-A



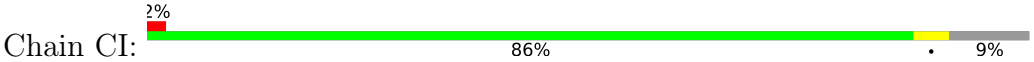


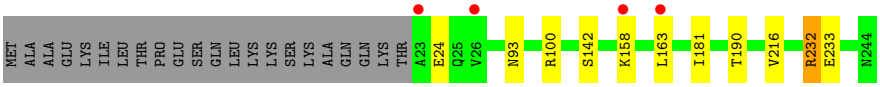
• Molecule 9: 60S ribosomal protein L7-A



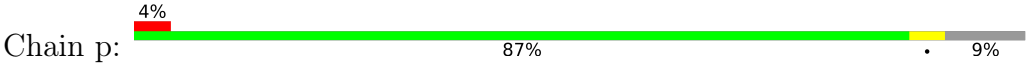


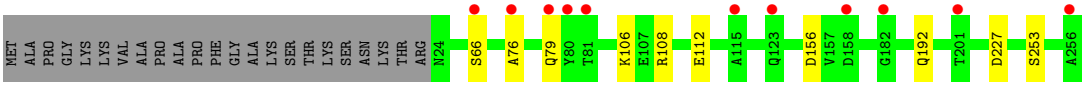
• Molecule 9: 60S ribosomal protein L7-A



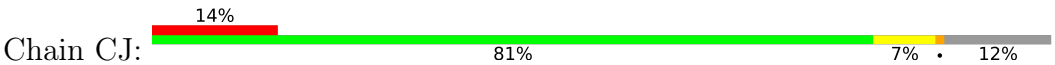


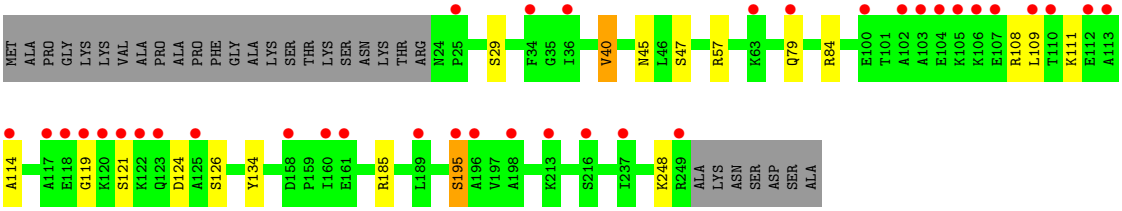
• Molecule 10: 60S ribosomal protein L8-A



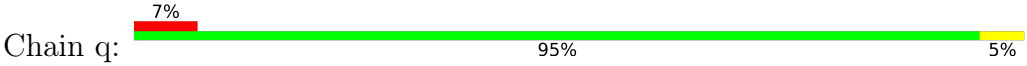


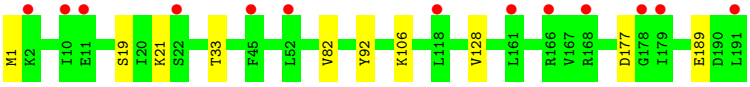
• Molecule 10: 60S ribosomal protein L8-A



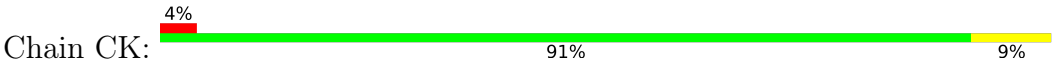


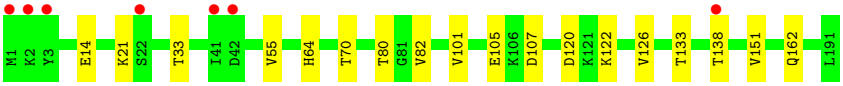
• Molecule 11: 60S ribosomal protein L9-A



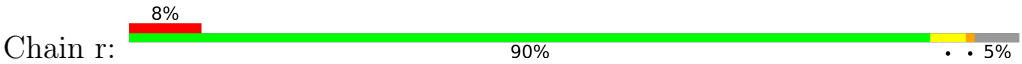


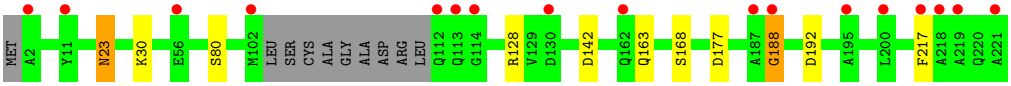
• Molecule 11: 60S ribosomal protein L9-A



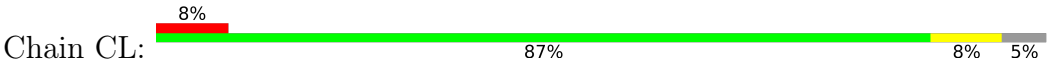


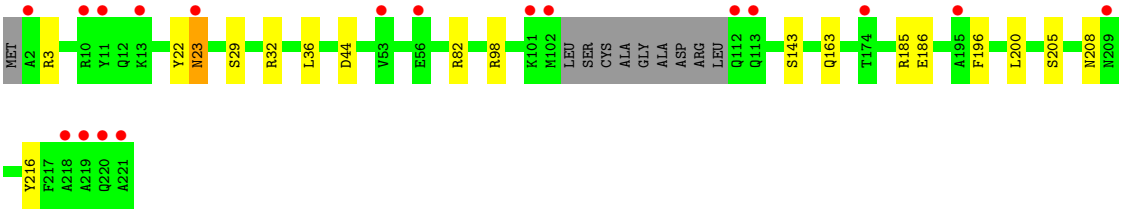
• Molecule 12: 60S ribosomal protein L10



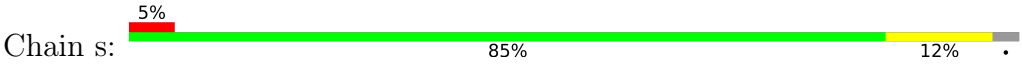


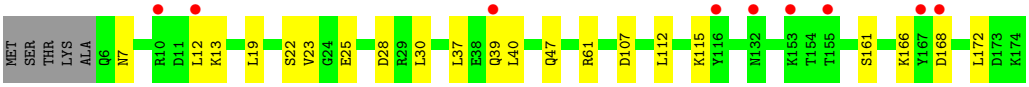
• Molecule 12: 60S ribosomal protein L10



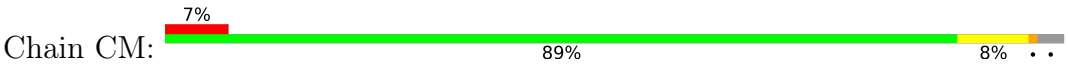


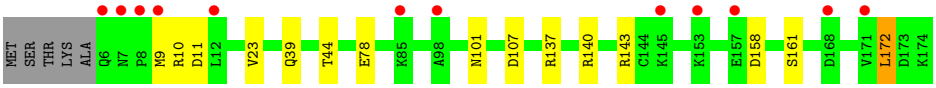
• Molecule 13: Large ribosomal subunit protein uL5B



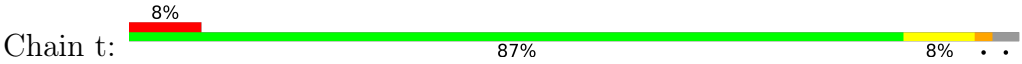


• Molecule 13: Large ribosomal subunit protein uL5B

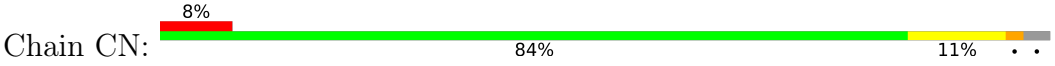


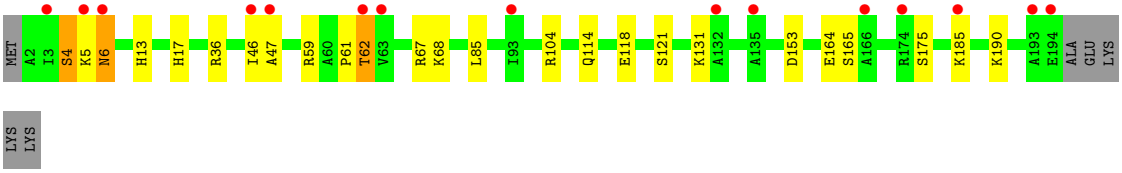


• Molecule 14: 60S ribosomal protein L13-A

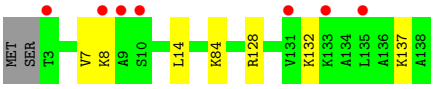


• Molecule 14: 60S ribosomal protein L13-A

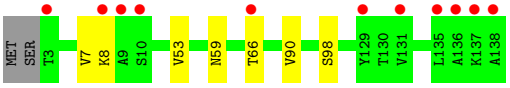




• Molecule 15: 60S ribosomal protein L14-A

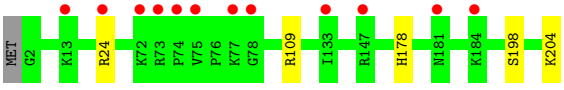


• Molecule 15: 60S ribosomal protein L14-A

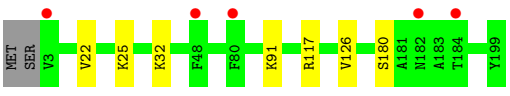


• Molecule 16: 60S ribosomal protein L15-A

• Molecule 16: 60S ribosomal protein L15-A

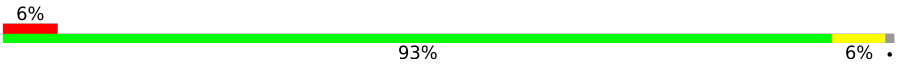


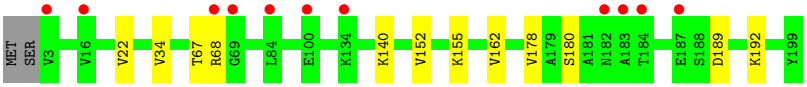
• Molecule 17: 60S ribosomal protein L16-A



• Molecule 17: 60S ribosomal protein L16-A

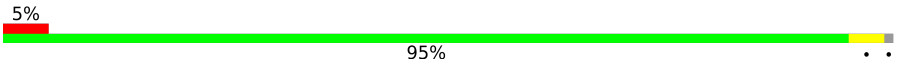
Chain CQ:

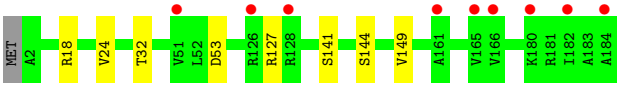




• Molecule 18: 60S ribosomal protein L17-A

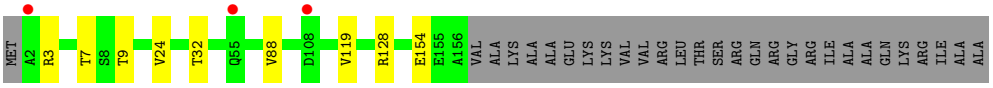
Chain x:





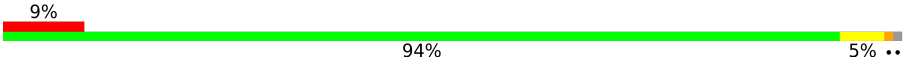
• Molecule 18: 60S ribosomal protein L17-A

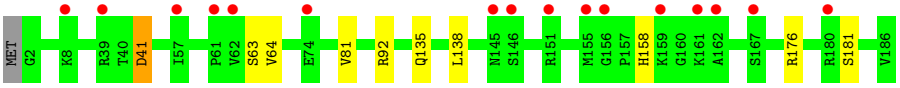
Chain CR:



• Molecule 19: 60S ribosomal protein L18-A

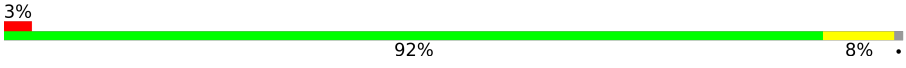
Chain y:

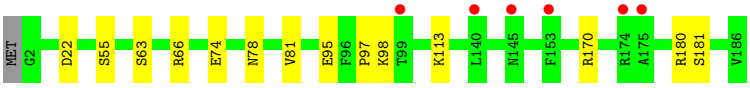




• Molecule 19: 60S ribosomal protein L18-A

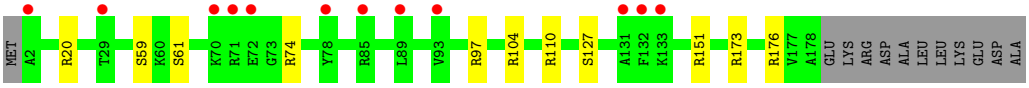
Chain CS:





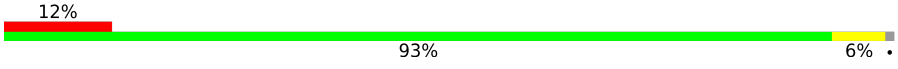
• Molecule 20: 60S ribosomal protein L19-A

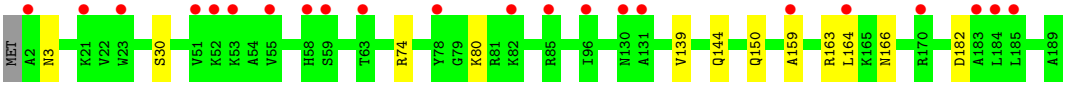
Chain z:



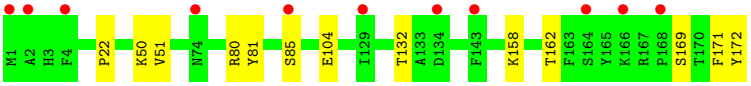
• Molecule 20: 60S ribosomal protein L19-A

Chain CT:

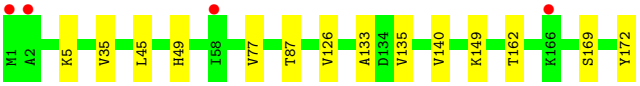




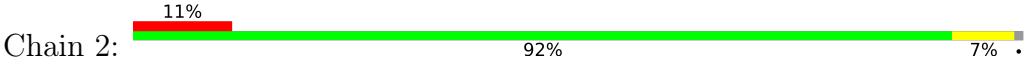
• Molecule 21: 60S ribosomal protein L20-A

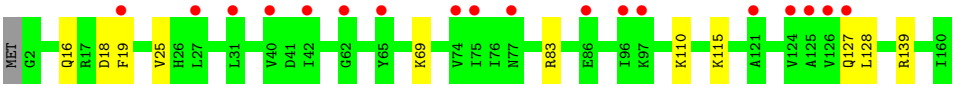


• Molecule 21: 60S ribosomal protein L20-A

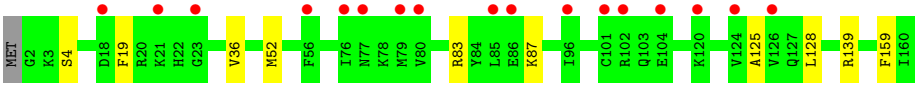


• Molecule 22: 60S ribosomal protein L21-A

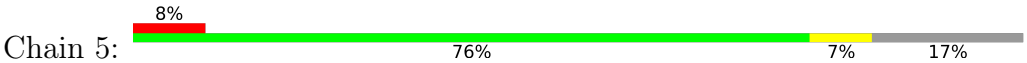


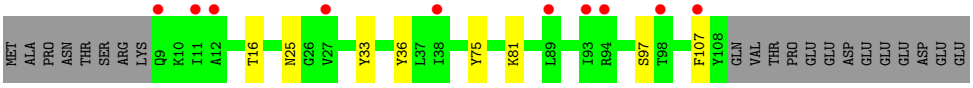


• Molecule 22: 60S ribosomal protein L21-A

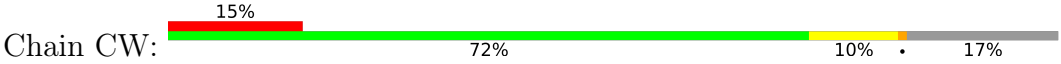


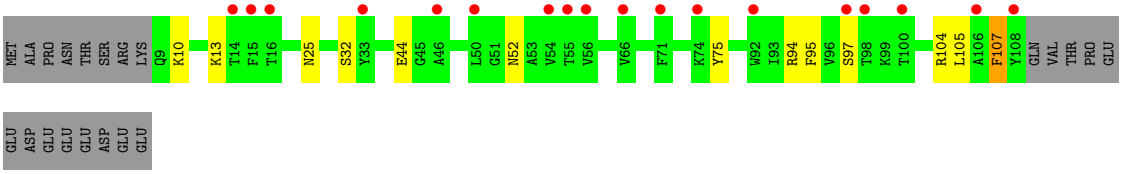
• Molecule 23: 60S ribosomal protein L22-A





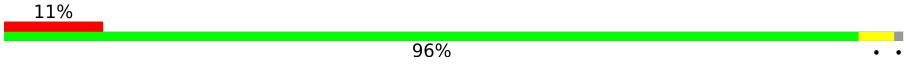
• Molecule 23: 60S ribosomal protein L22-A

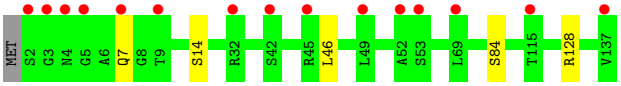




• Molecule 24: 60S ribosomal protein L23-A

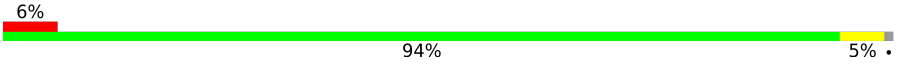
Chain 6:





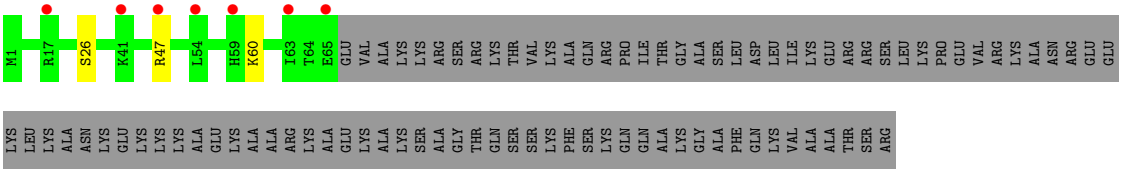
• Molecule 24: 60S ribosomal protein L23-A

Chain CX:



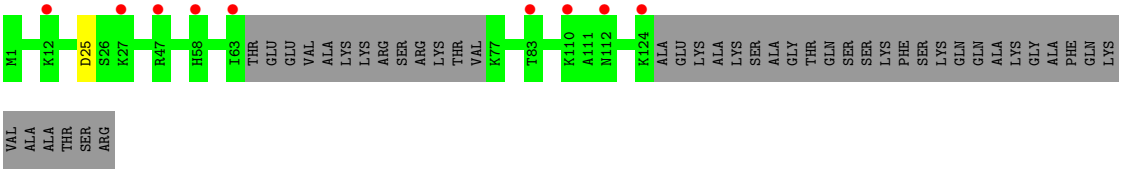
• Molecule 25: 60S ribosomal protein L24-A

Chain 7:



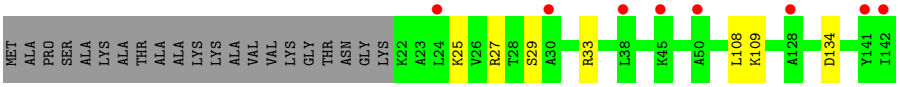
• Molecule 25: 60S ribosomal protein L24-A

Chain CY:



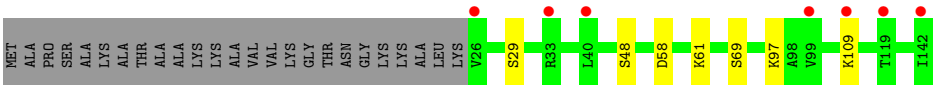
• Molecule 26: 60S ribosomal protein L25

Chain 8:



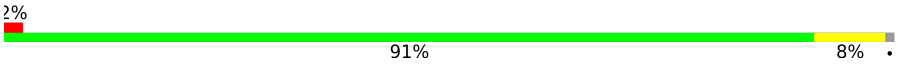
• Molecule 26: 60S ribosomal protein L25

Chain CZ:



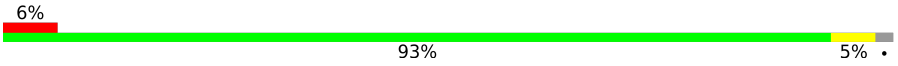
• Molecule 27: 60S ribosomal protein L26-A

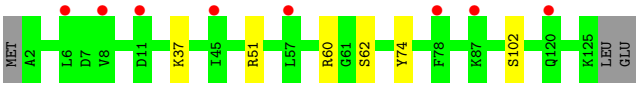
Chain 9:



• Molecule 27: 60S ribosomal protein L26-A

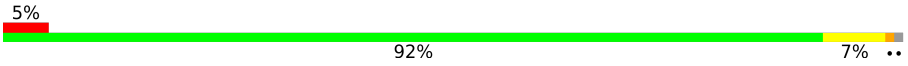
Chain DA:

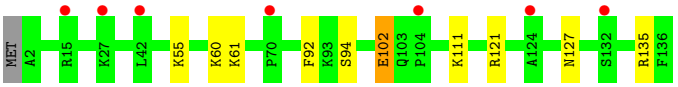




• Molecule 28: 60S ribosomal protein L27-A

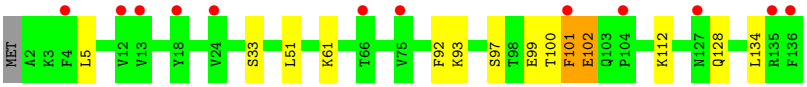
Chain AA:





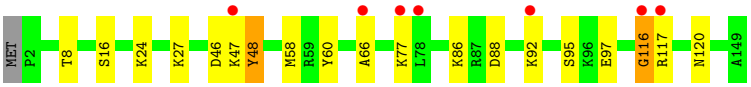
• Molecule 28: 60S ribosomal protein L27-A

Chain DB:



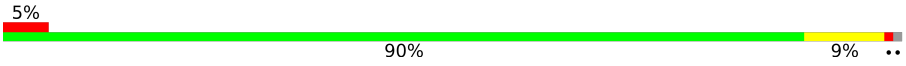
• Molecule 29: 60S ribosomal protein L28

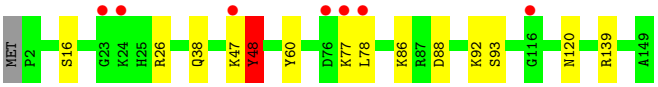
Chain AB:



• Molecule 29: 60S ribosomal protein L28

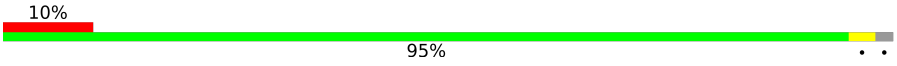
Chain DC:

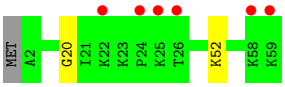




• Molecule 30: 60S ribosomal protein L29

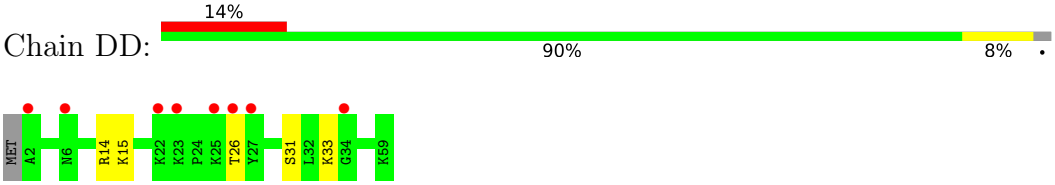
Chain AC:





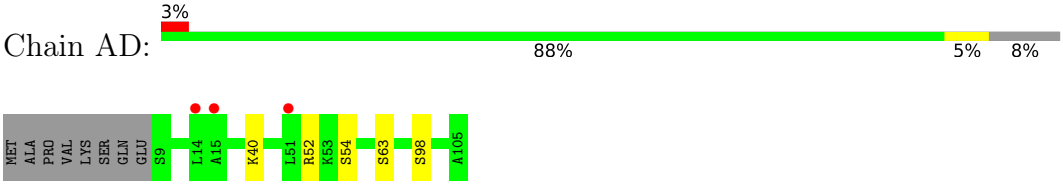
• Molecule 30: 60S ribosomal protein L29

Chain DD:



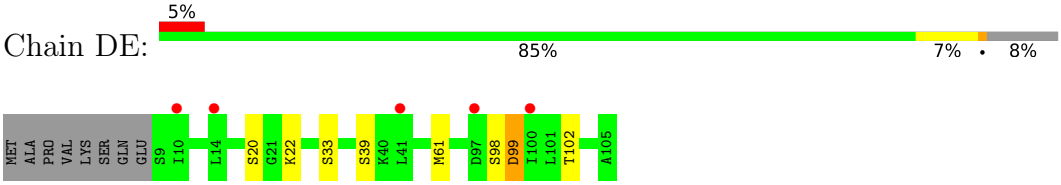
• Molecule 31: 60S ribosomal protein L30

Chain AD:



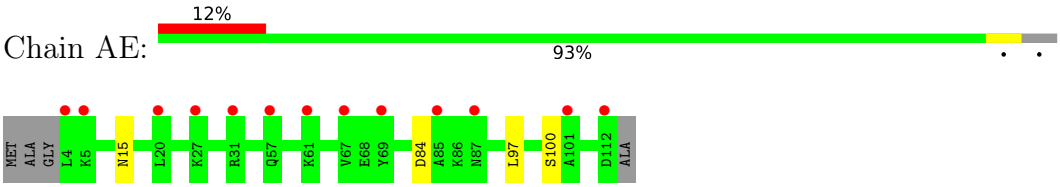
• Molecule 31: 60S ribosomal protein L30

Chain DE:



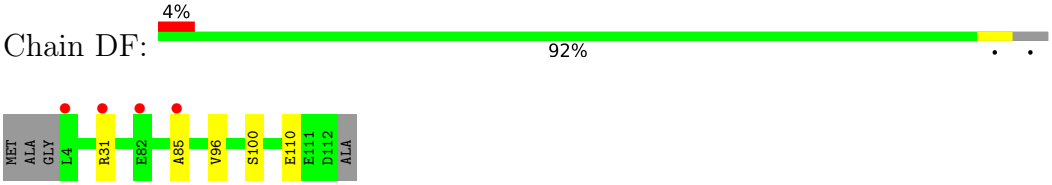
• Molecule 32: 60S ribosomal protein L31-A

Chain AE:



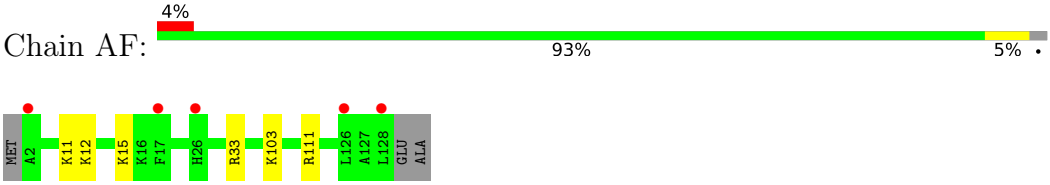
• Molecule 32: 60S ribosomal protein L31-A

Chain DF:



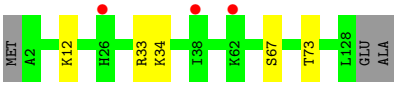
• Molecule 33: 60S ribosomal protein L32

Chain AF:



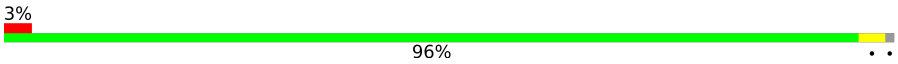
• Molecule 33: 60S ribosomal protein L32

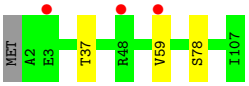
Chain DG:



• Molecule 34: 60S ribosomal protein L33-A

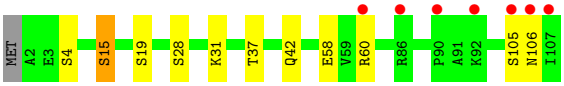
Chain AG:





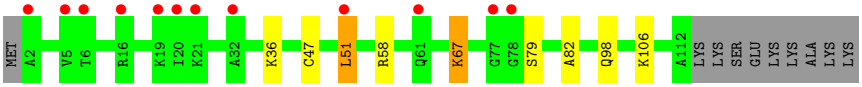
• Molecule 34: 60S ribosomal protein L33-A

Chain DH:



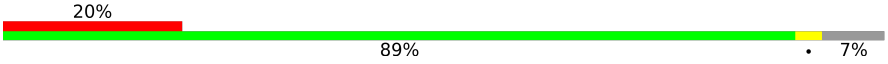
• Molecule 35: 60S ribosomal protein L34-A

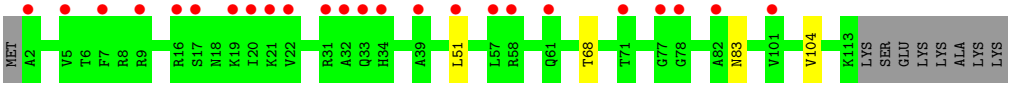
Chain AH:



• Molecule 35: 60S ribosomal protein L34-A

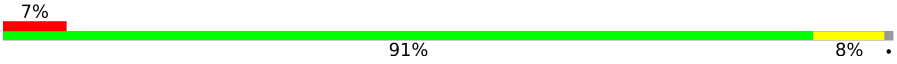
Chain DI:

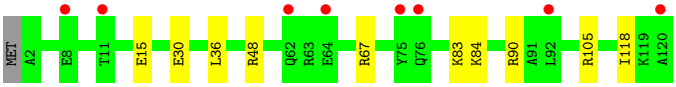




• Molecule 36: 60S ribosomal protein L35-A

Chain AI:



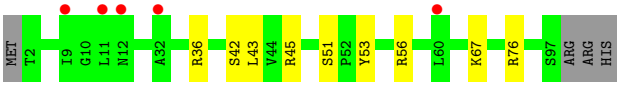


• Molecule 36: 60S ribosomal protein L35-A

Chain DJ:

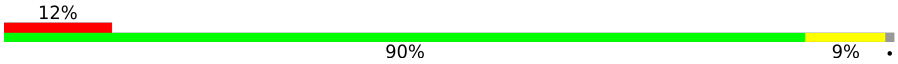
• Molecule 37: 60S ribosomal protein L36-A

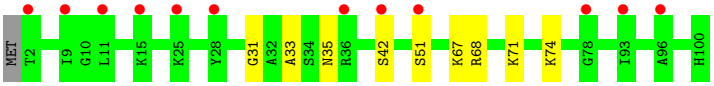
Chain AJ:



• Molecule 37: 60S ribosomal protein L36-A

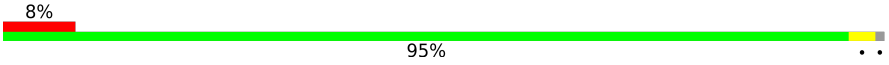
Chain DK:

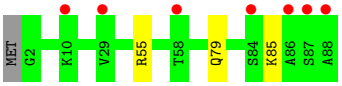




• Molecule 38: 60S ribosomal protein L37-A

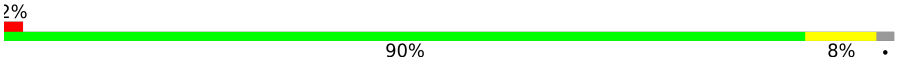
Chain AK:

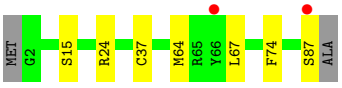




• Molecule 38: 60S ribosomal protein L37-A

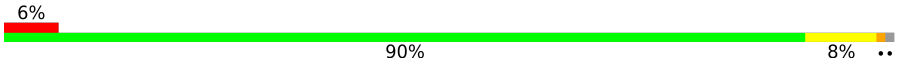
Chain DL:





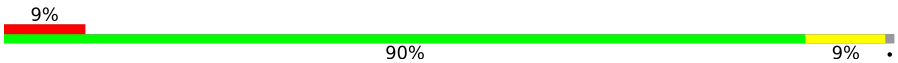
• Molecule 39: 60S ribosomal protein L38

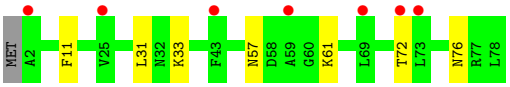
Chain AL:



• Molecule 39: 60S ribosomal protein L38

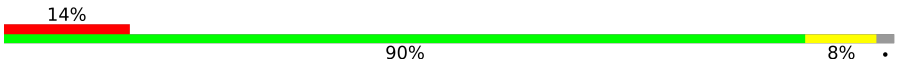
Chain DM:

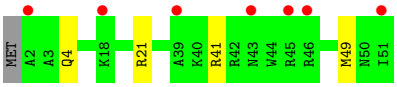




• Molecule 40: 60S ribosomal protein L39

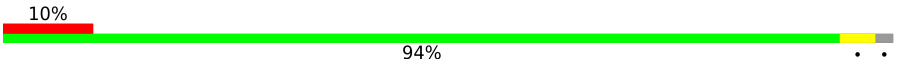
Chain AM:

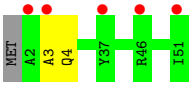




• Molecule 40: 60S ribosomal protein L39

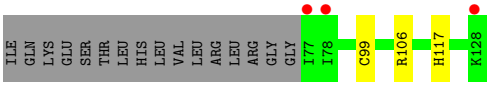
Chain DN:





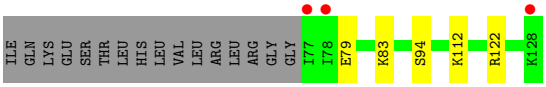
• Molecule 41: Ubiquitin-60S ribosomal protein L40

Chain AN:



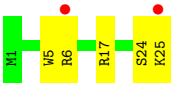
• Molecule 41: Ubiquitin-60S ribosomal protein L40

Chain DO:



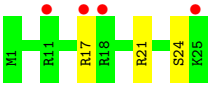
• Molecule 42: Large ribosomal subunit protein eL41B

Chain AO:



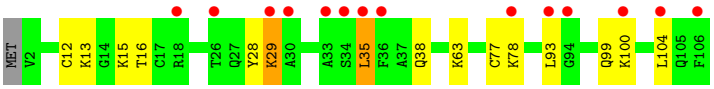
• Molecule 42: Large ribosomal subunit protein eL41B

Chain DP:



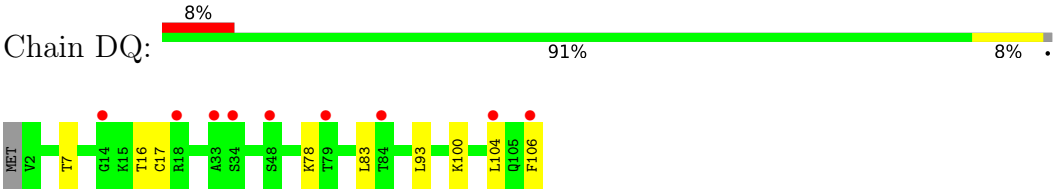
• Molecule 43: 60S ribosomal protein L42-A

Chain AP:



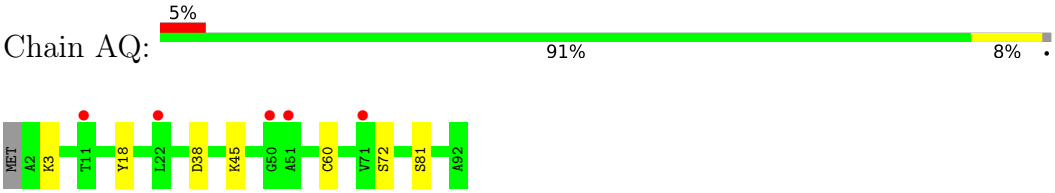
• Molecule 43: 60S ribosomal protein L42-A

Chain DQ:



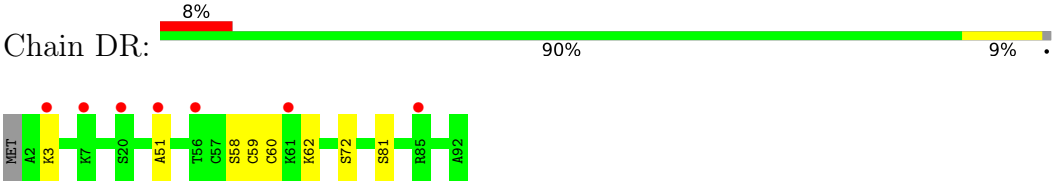
• Molecule 44: 60S ribosomal protein L43-A

Chain AQ:



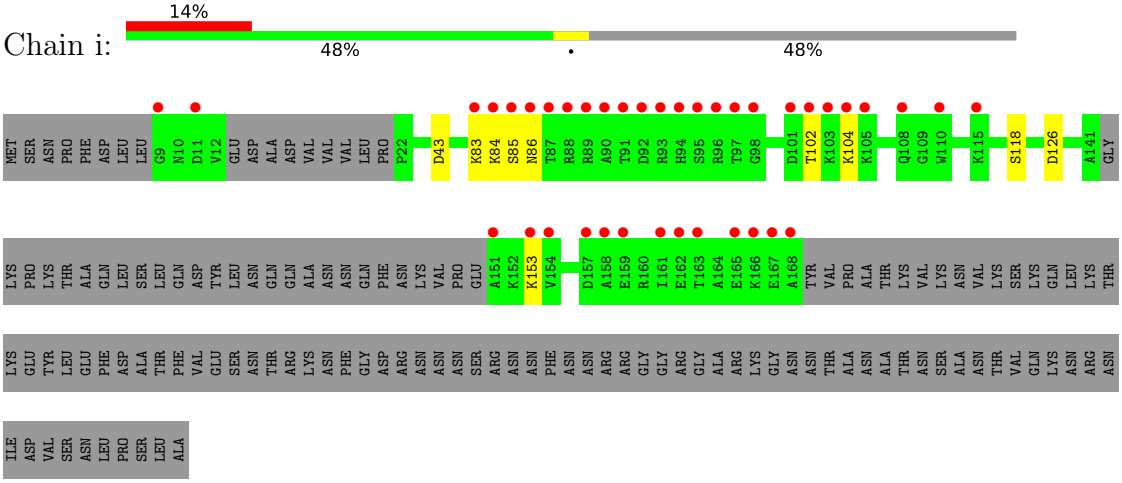
• Molecule 44: 60S ribosomal protein L43-A

Chain DR:



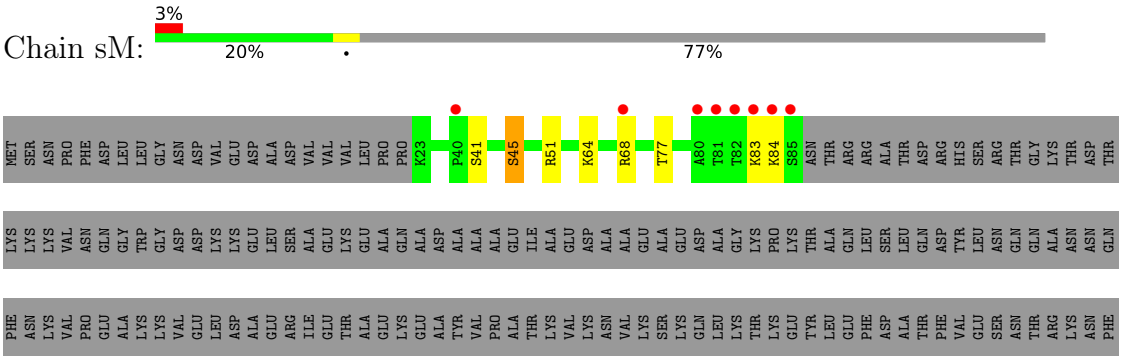
• Molecule 45: Suppressor protein STM1

Chain i:



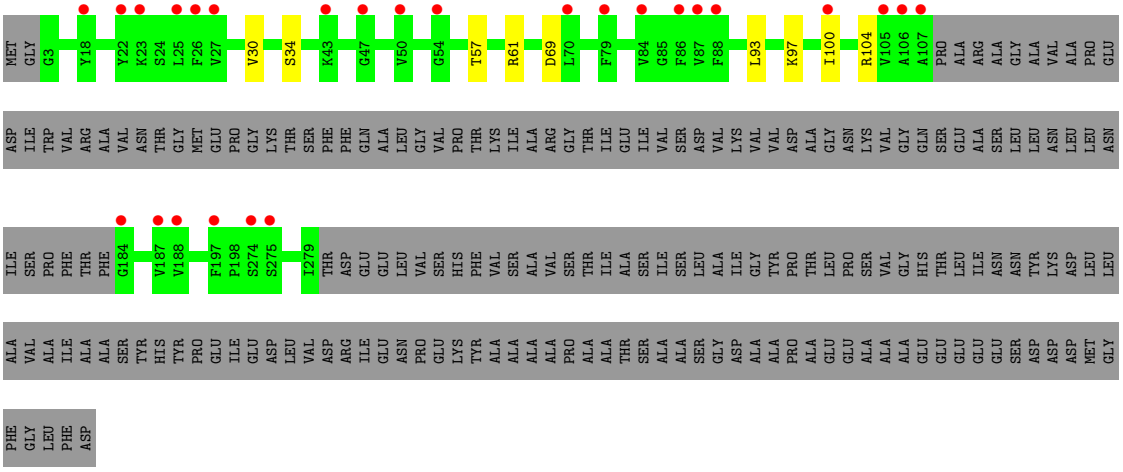
• Molecule 45: Suppressor protein STM1

Chain sM:



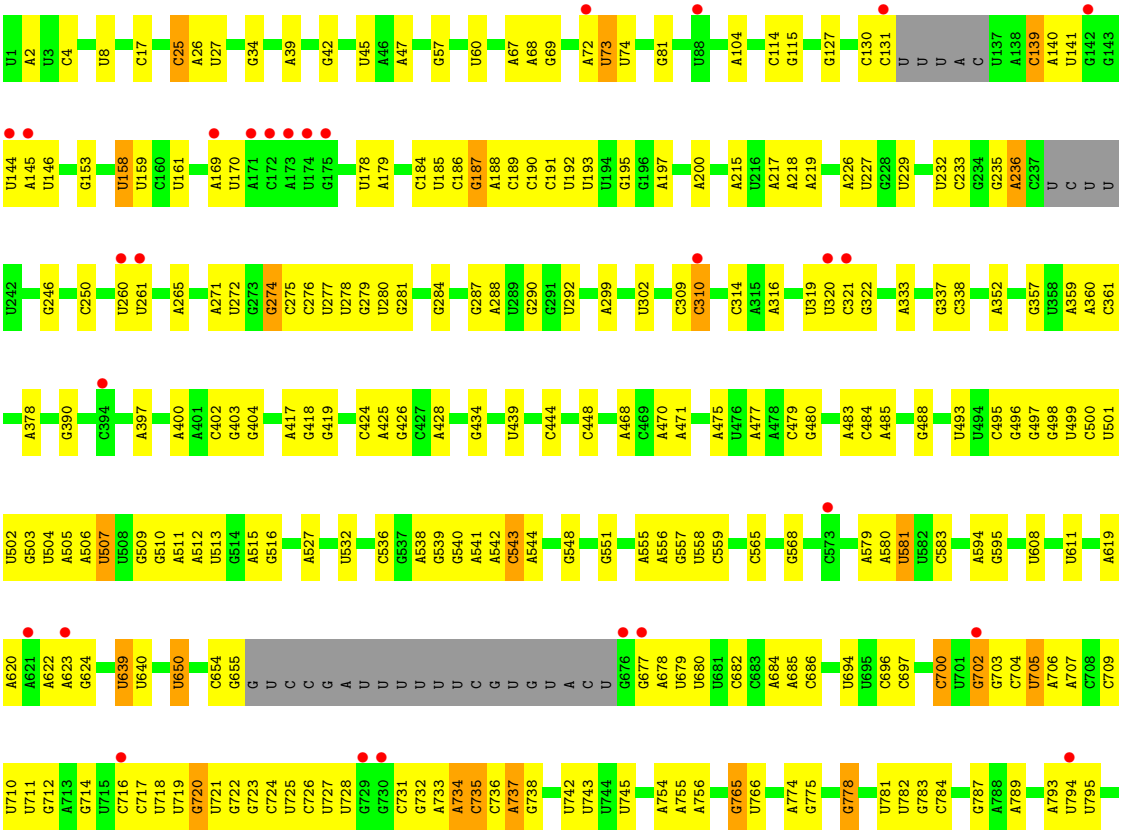
• Molecule 46: 60S acidic ribosomal protein P0

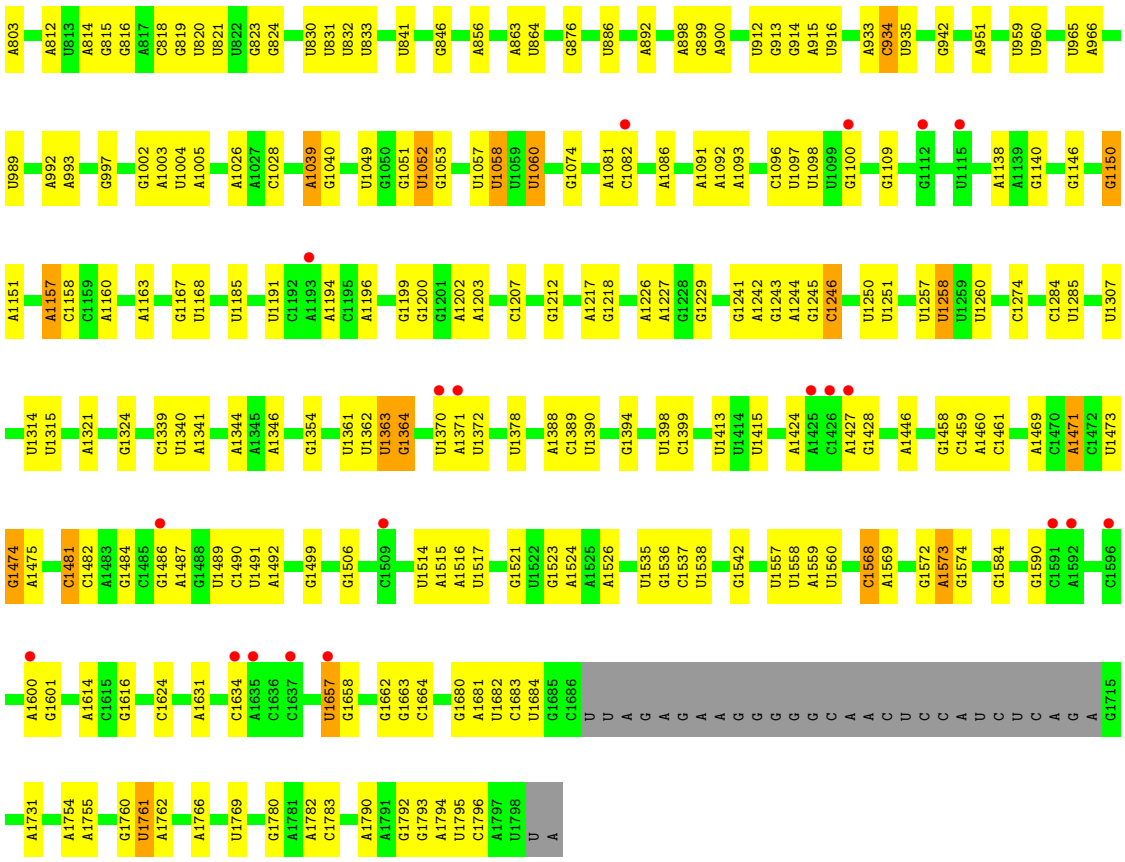
Chain p0:



• Molecule 47: 16S ribosomal RNA

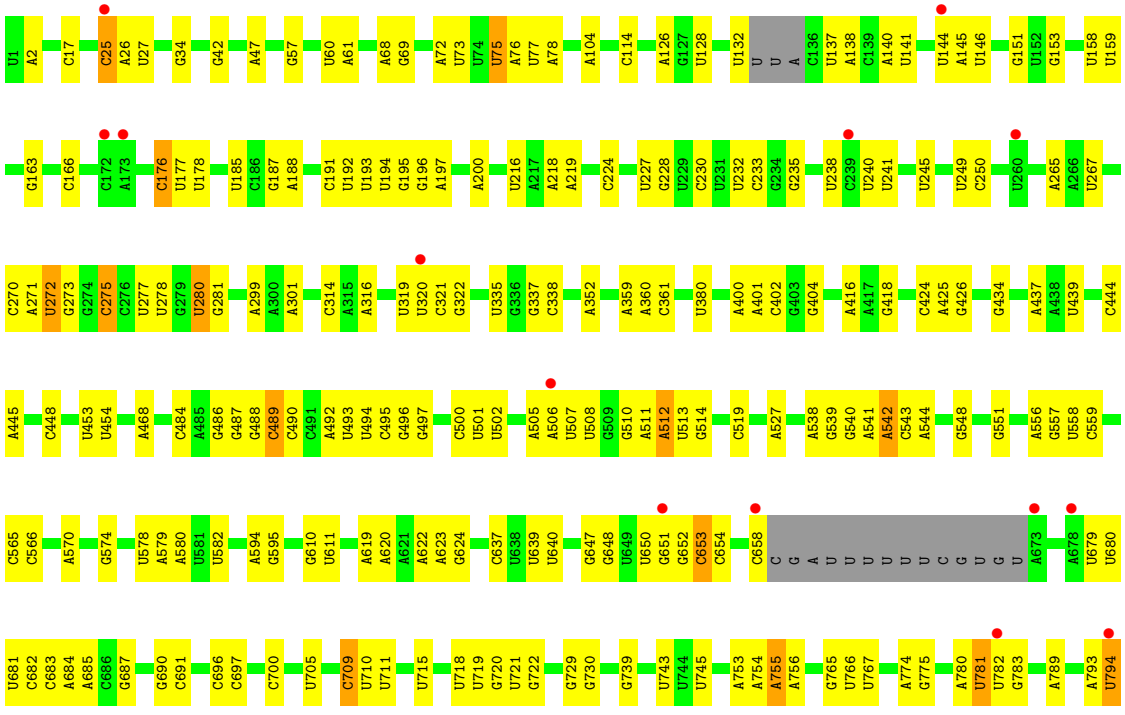
Chain A:

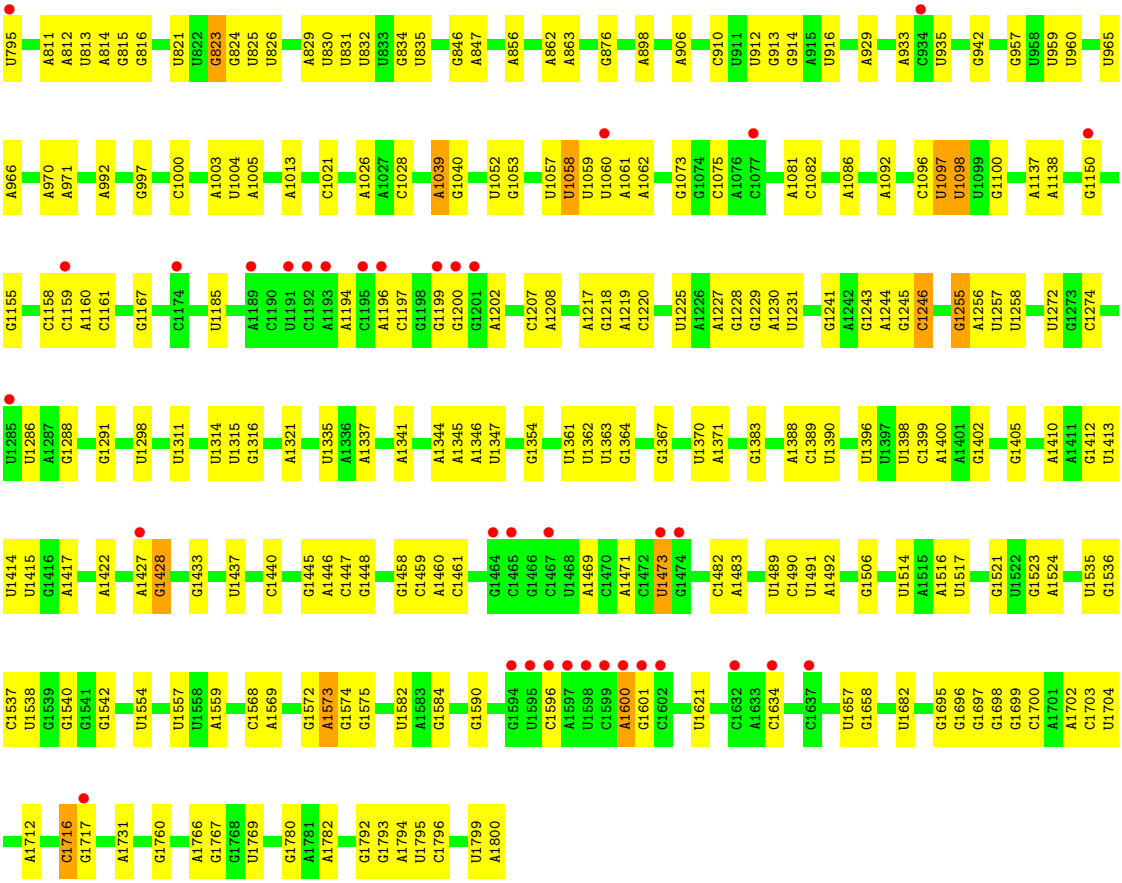




• Molecule 47: 16S ribosomal RNA

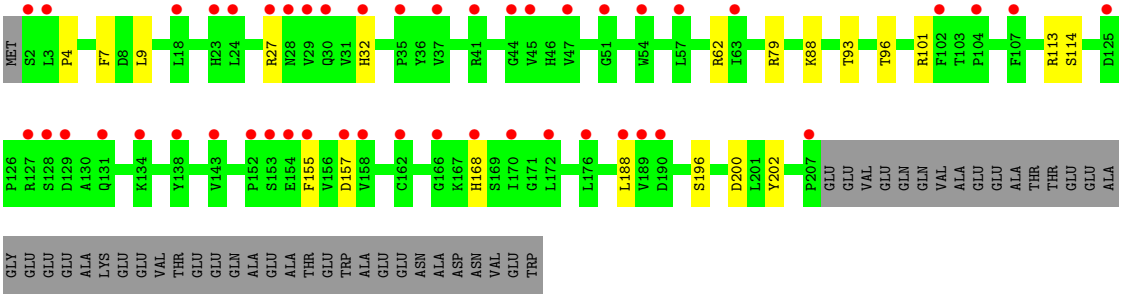
Chain sR:





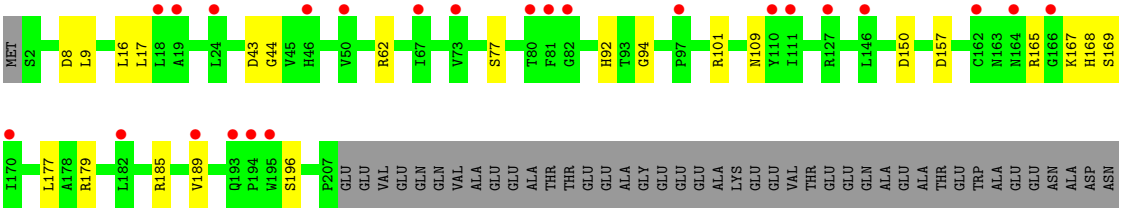
• Molecule 48: 40S ribosomal protein S0-A

Chain B:



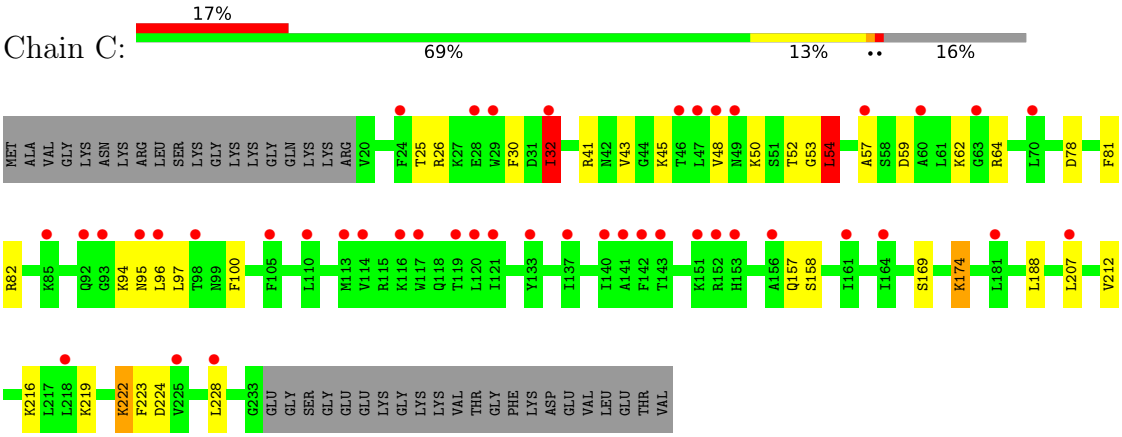
• Molecule 48: 40S ribosomal protein S0-A

Chain s0:



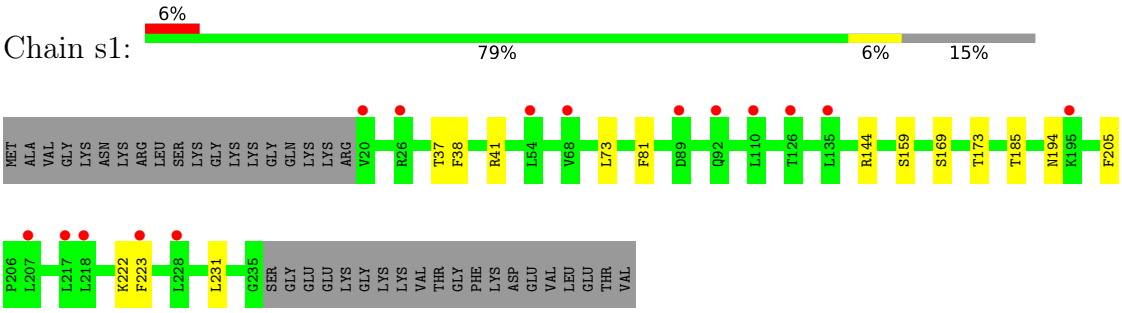
• Molecule 49: 40S ribosomal protein S1-A

Chain C:



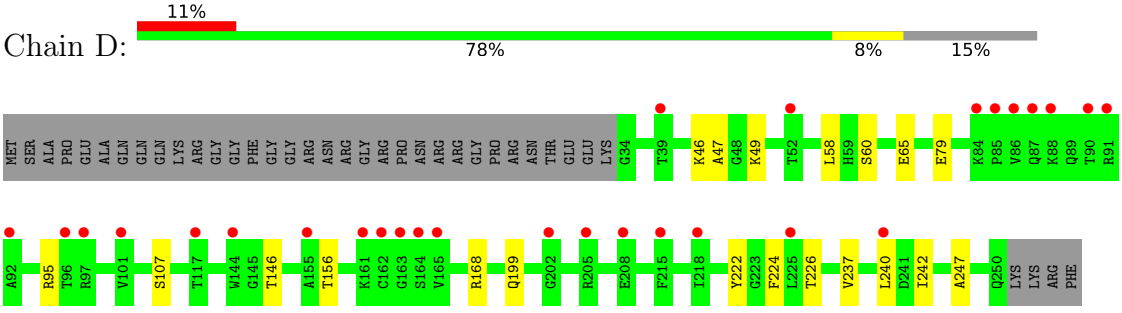
• Molecule 49: 40S ribosomal protein S1-A

Chain s1:



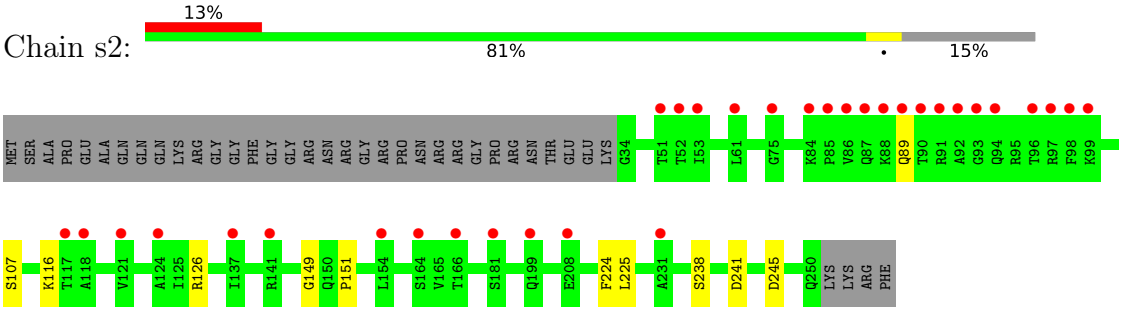
• Molecule 50: 40S ribosomal protein S2

Chain D:



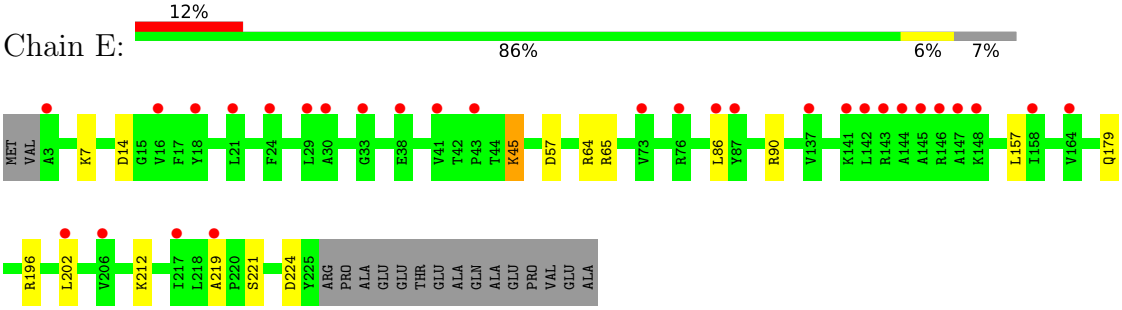
• Molecule 50: 40S ribosomal protein S2

Chain s2:



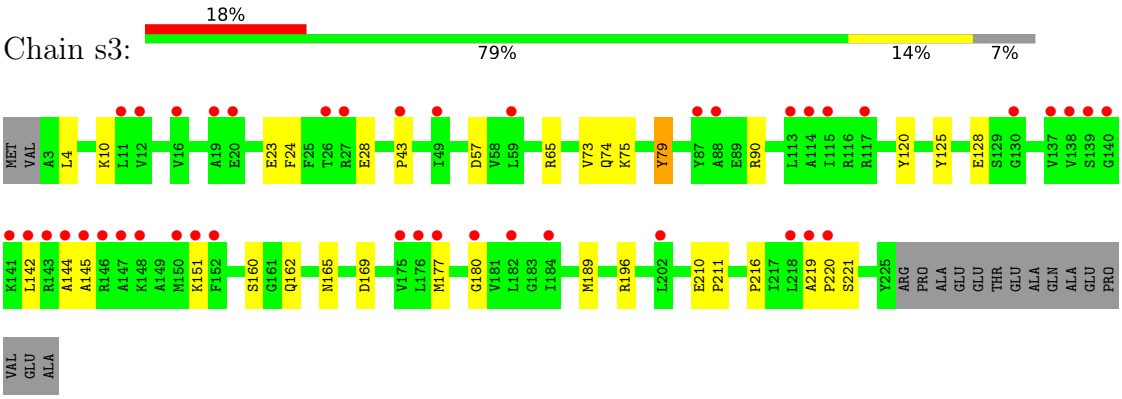
• Molecule 51: Small ribosomal subunit protein uS3

Chain E:



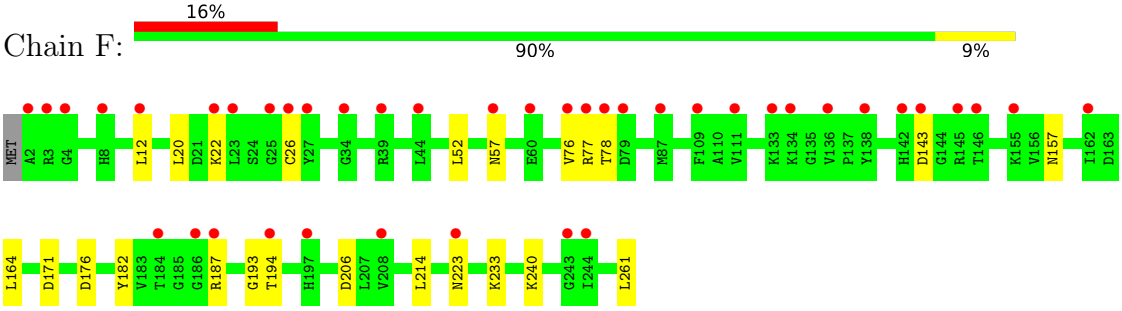
• Molecule 51: Small ribosomal subunit protein uS3

Chain s3:



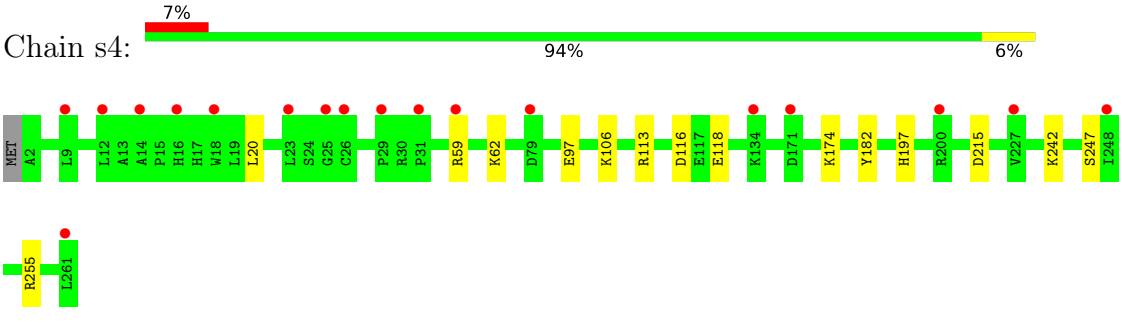
• Molecule 52: 40S ribosomal protein S4-A

Chain F:



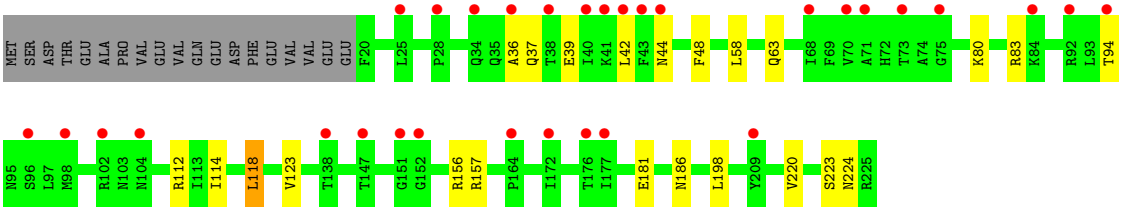
• Molecule 52: 40S ribosomal protein S4-A

Chain s4:



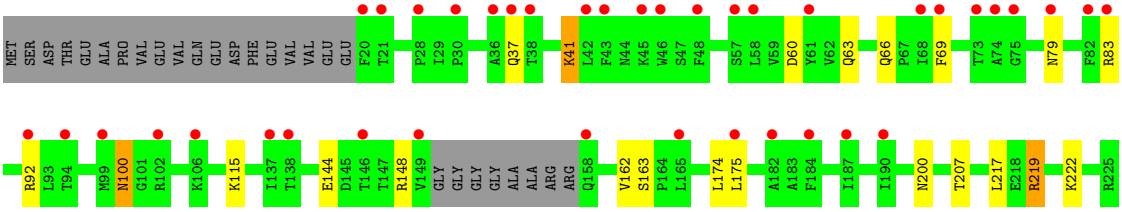
• Molecule 53: 40S ribosomal protein S5

Chain G:



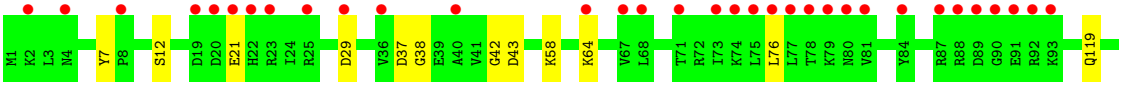
• Molecule 53: 40S ribosomal protein S5

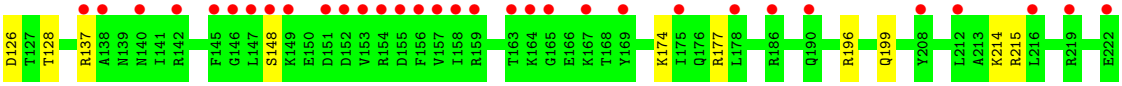
Chain s5:



• Molecule 54: 40S ribosomal protein S6-A

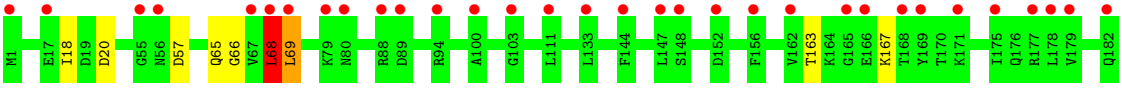
Chain H:

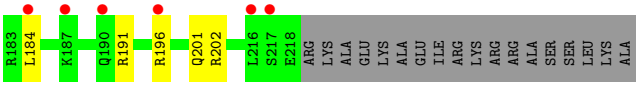




• Molecule 54: 40S ribosomal protein S6-A

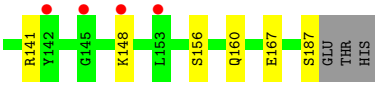
Chain s6:





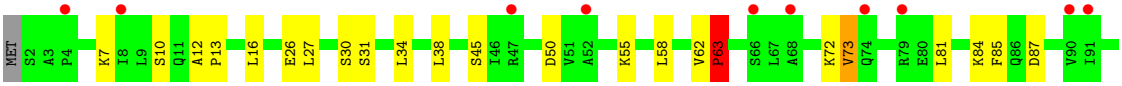
• Molecule 55: 40S ribosomal protein S7-A

Chain I:



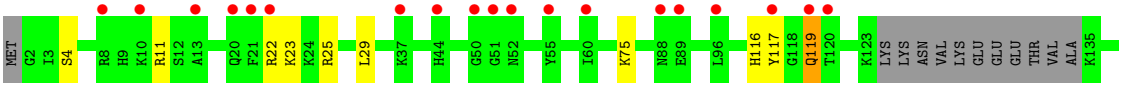
• Molecule 55: 40S ribosomal protein S7-A

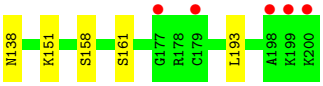
Chain s7:



• Molecule 56: 40S ribosomal protein S8-A

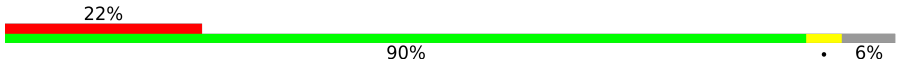
Chain J:

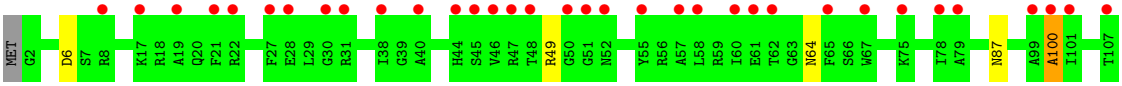




• Molecule 56: 40S ribosomal protein S8-A

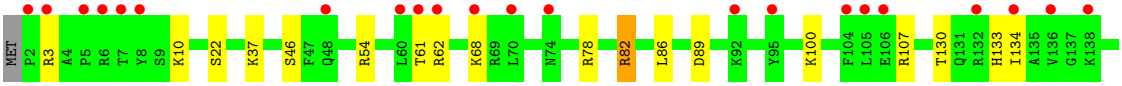
Chain s8:

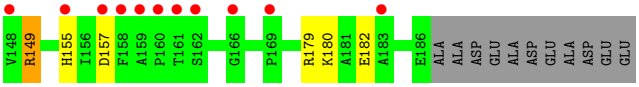




• Molecule 57: 40S ribosomal protein S9-A

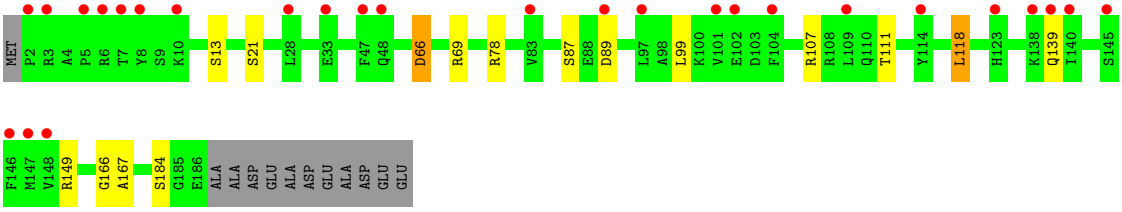
Chain K:



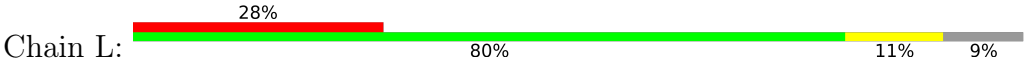


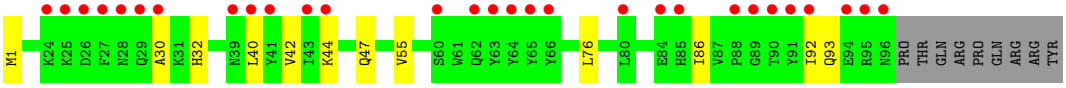
• Molecule 57: 40S ribosomal protein S9-A

Chain s9:

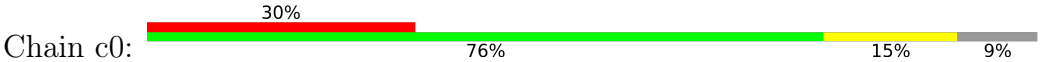


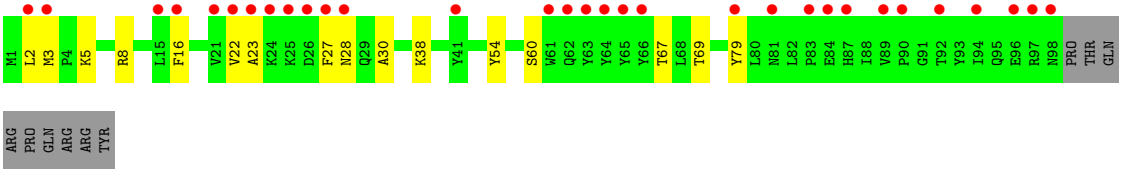
• Molecule 58: 40S ribosomal protein S10-A



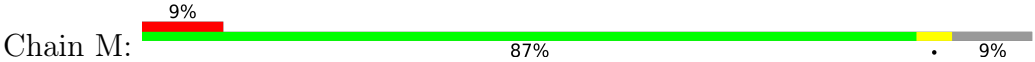


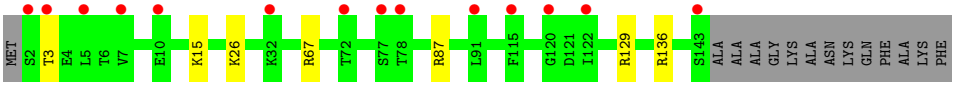
• Molecule 58: 40S ribosomal protein S10-A



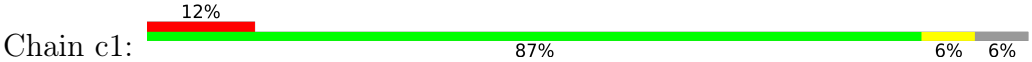


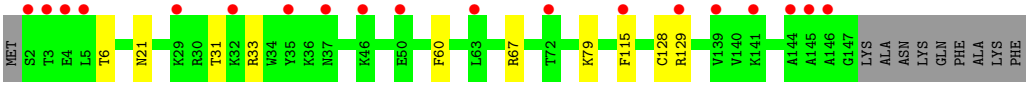
• Molecule 59: 40S ribosomal protein S11-A



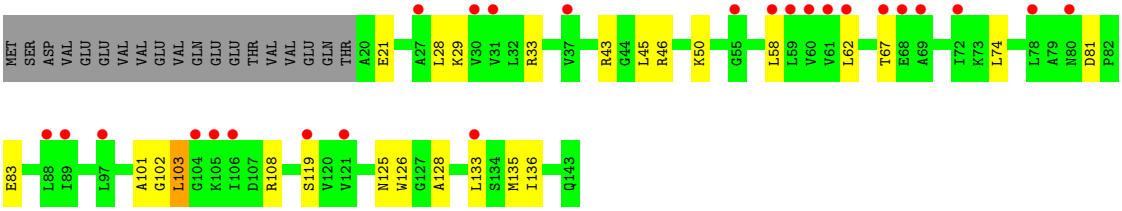


• Molecule 59: 40S ribosomal protein S11-A



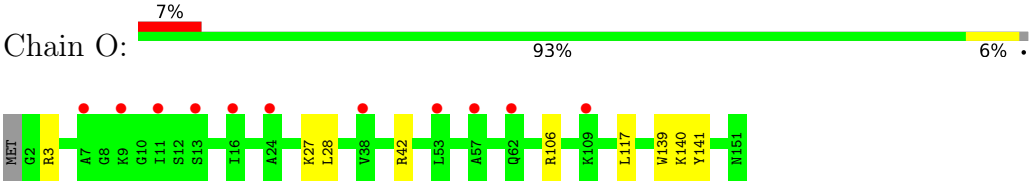


• Molecule 60: 40S ribosomal protein S12



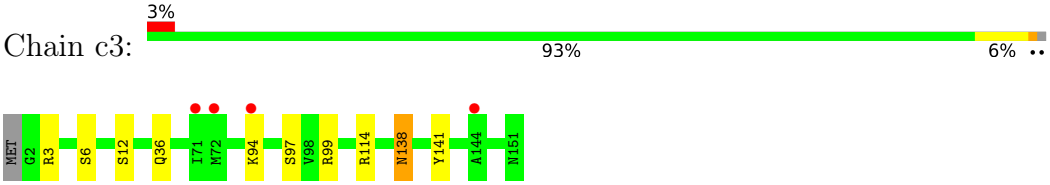
• Molecule 61: 40S ribosomal protein S13

Chain O:



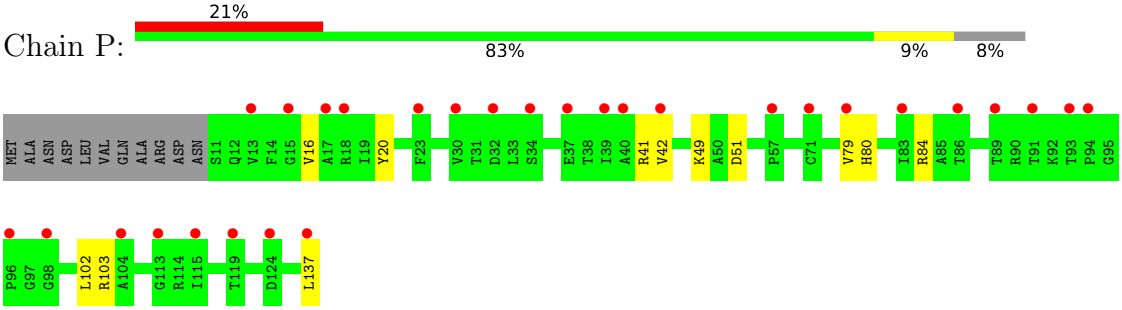
• Molecule 61: 40S ribosomal protein S13

Chain c3:



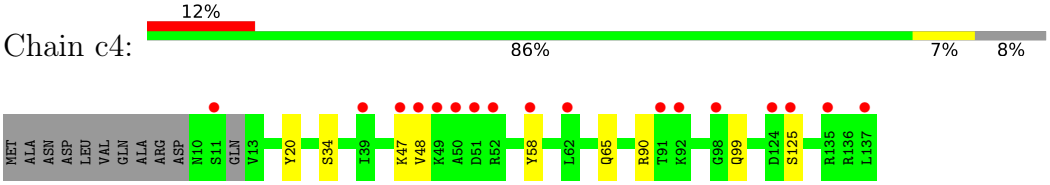
• Molecule 62: 40S ribosomal protein S14-B

Chain P:



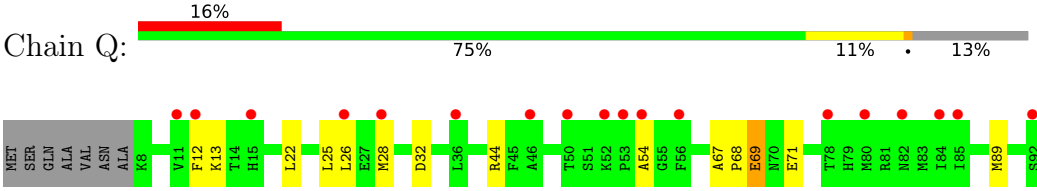
• Molecule 62: 40S ribosomal protein S14-B

Chain c4:



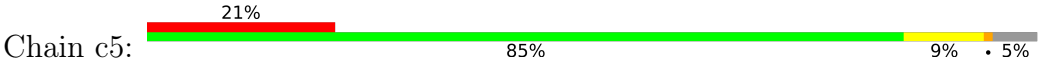
• Molecule 63: 40S ribosomal protein S15

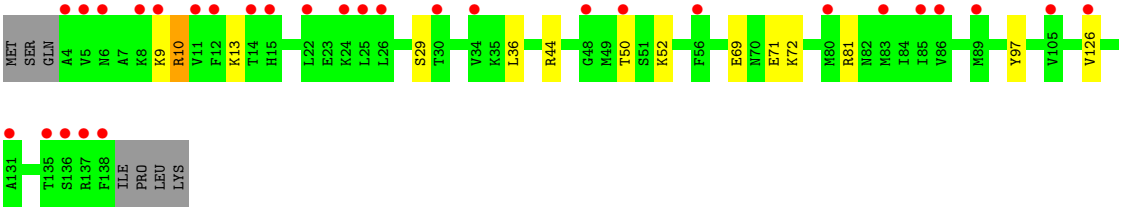
Chain Q:



• Molecule 63: 40S ribosomal protein S15

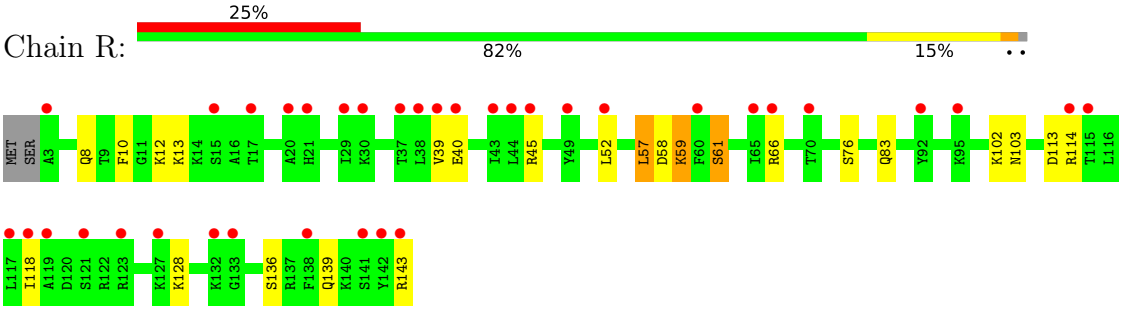
Chain c5:





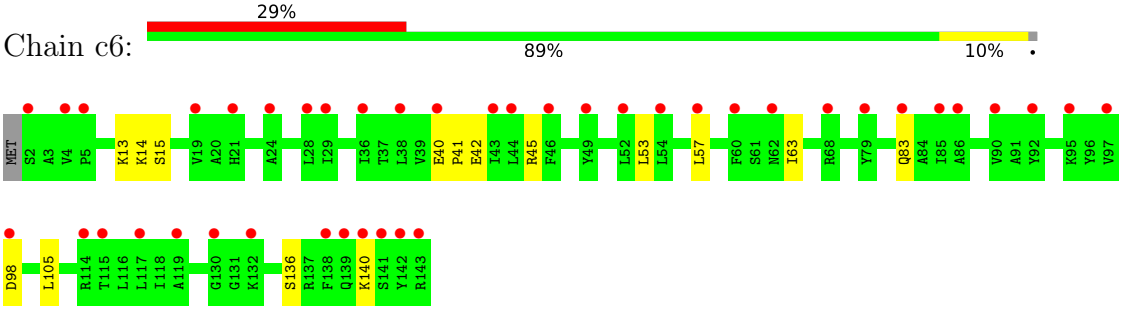
• Molecule 64: 40S ribosomal protein S16-A

Chain R:



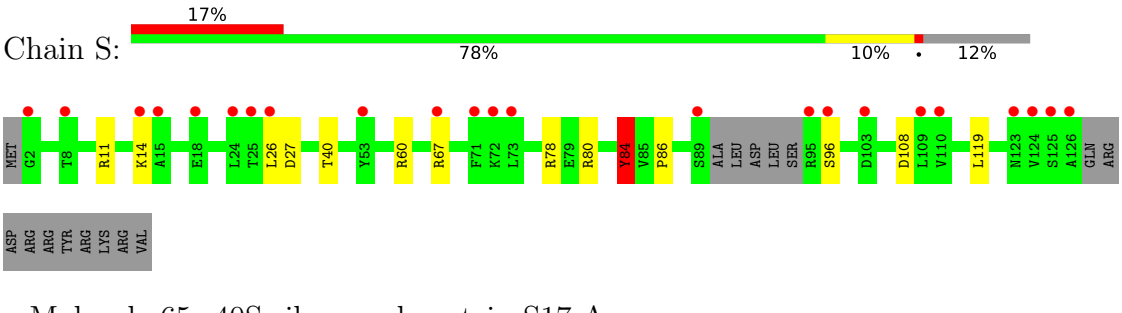
• Molecule 64: 40S ribosomal protein S16-A

Chain c6:



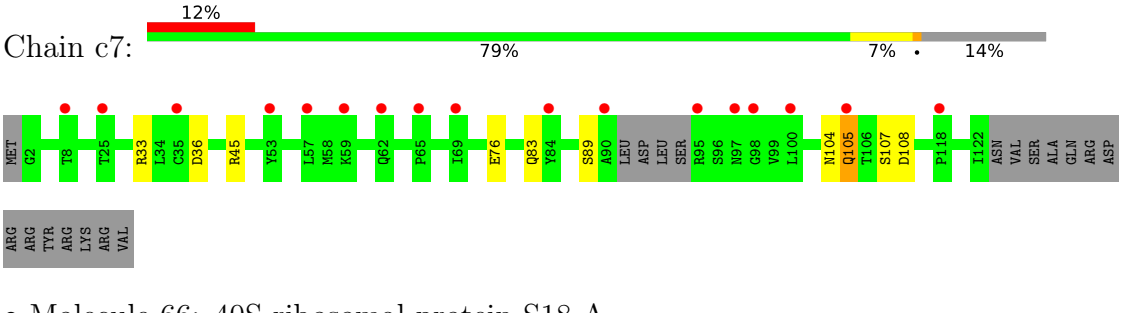
• Molecule 65: 40S ribosomal protein S17-A

Chain S:



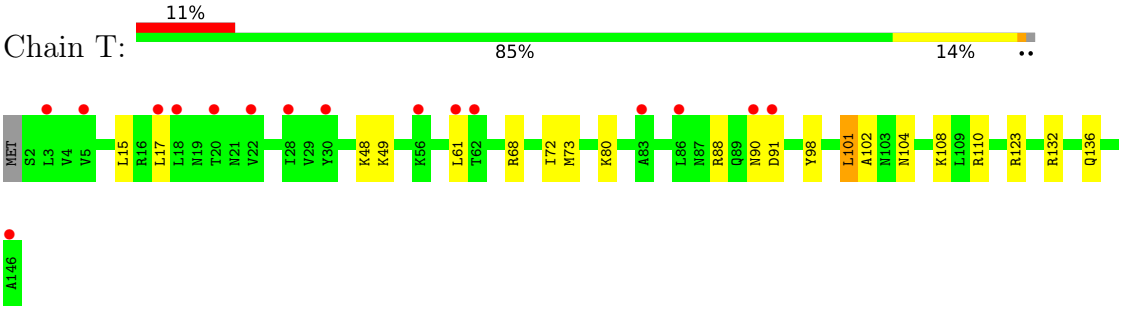
• Molecule 65: 40S ribosomal protein S17-A

Chain c7:



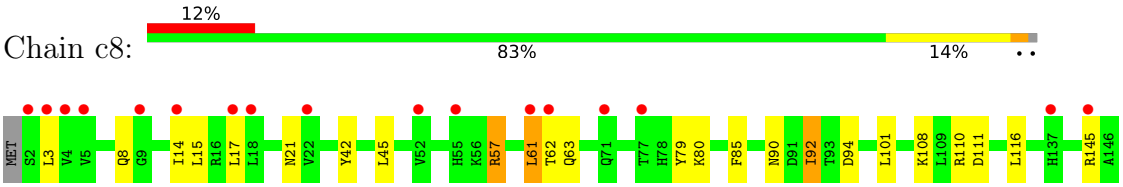
• Molecule 66: 40S ribosomal protein S18-A

Chain T:



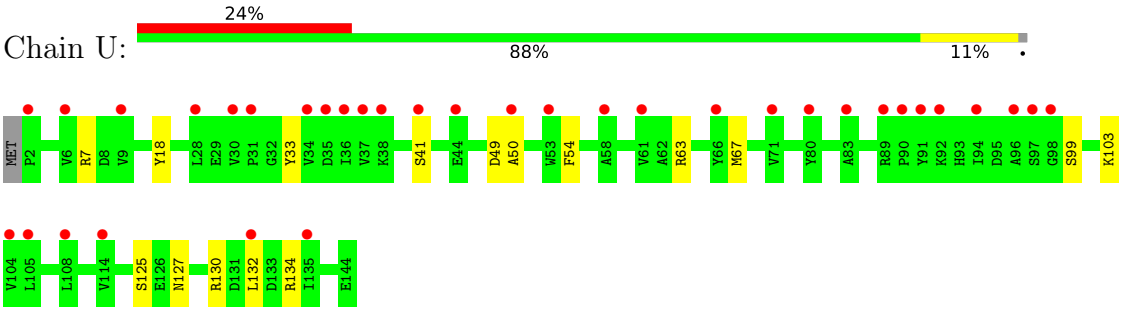
• Molecule 66: 40S ribosomal protein S18-A

Chain c8:



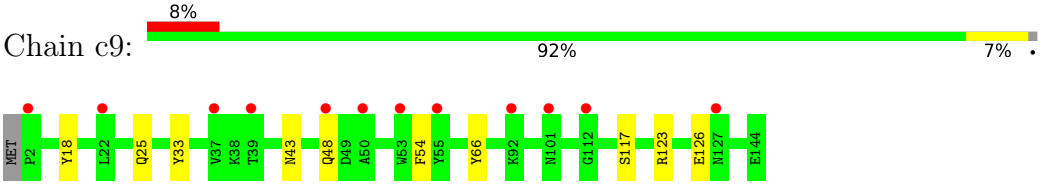
• Molecule 67: 40S ribosomal protein S19-A

Chain U:



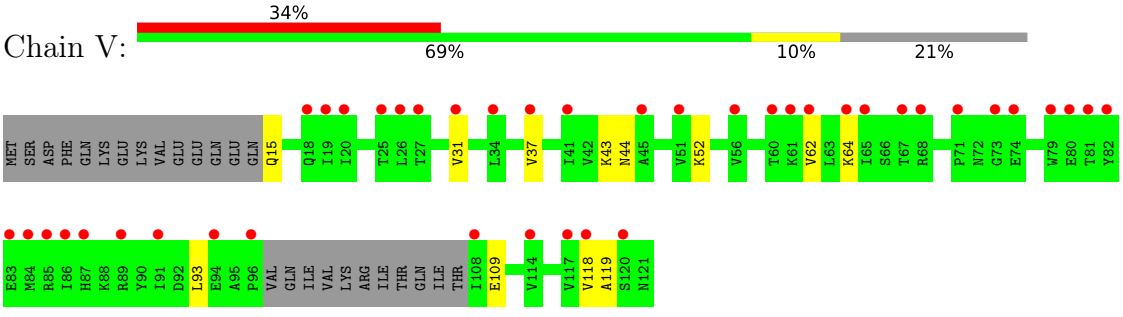
• Molecule 67: 40S ribosomal protein S19-A

Chain c9:



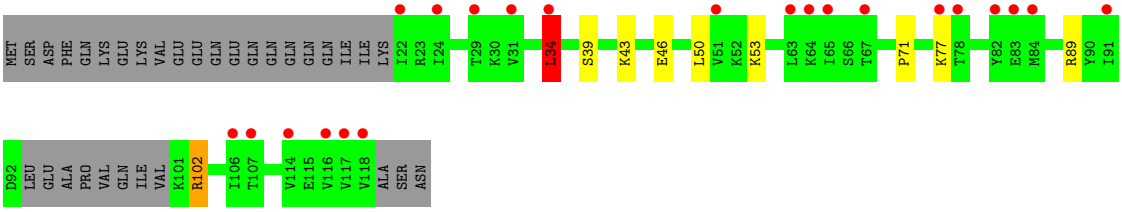
• Molecule 68: Small ribosomal subunit protein uS10

Chain V:

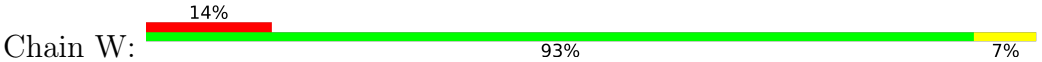


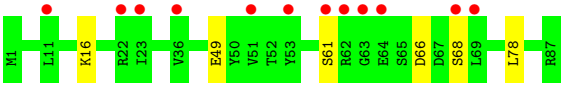
• Molecule 68: Small ribosomal subunit protein uS10

Chain d0:

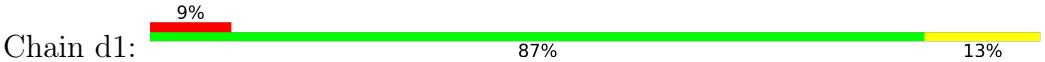


• Molecule 69: 40S ribosomal protein S21-A

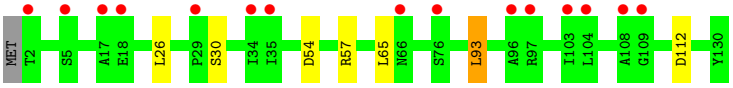




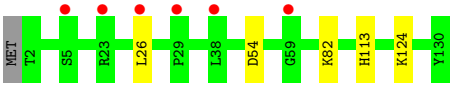
• Molecule 69: 40S ribosomal protein S21-A



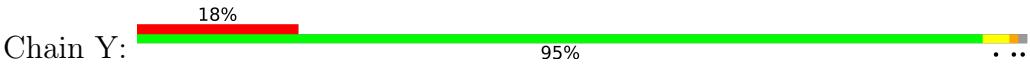
• Molecule 70: 40S ribosomal protein S22-A

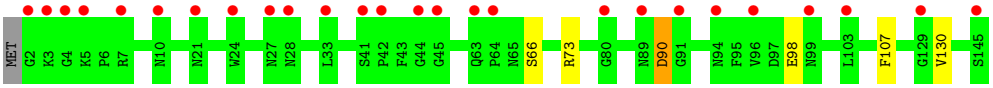


• Molecule 70: 40S ribosomal protein S22-A

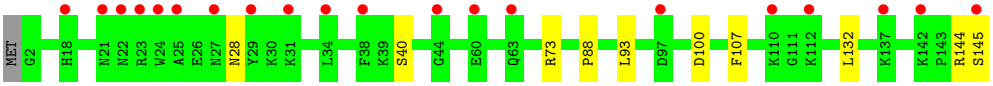


• Molecule 71: 40S ribosomal protein S23-A

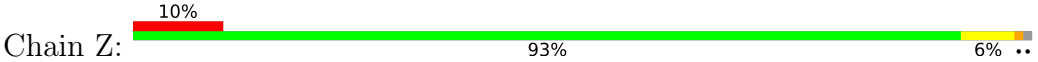


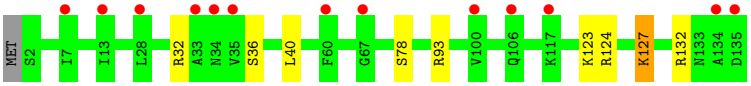


• Molecule 71: 40S ribosomal protein S23-A

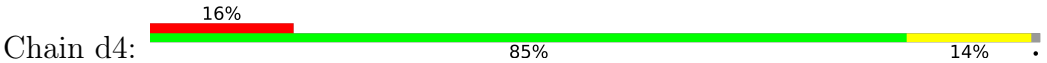


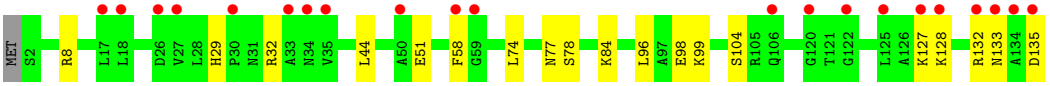
• Molecule 72: 40S ribosomal protein S24-A



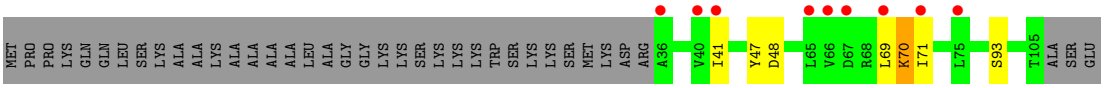


• Molecule 72: 40S ribosomal protein S24-A

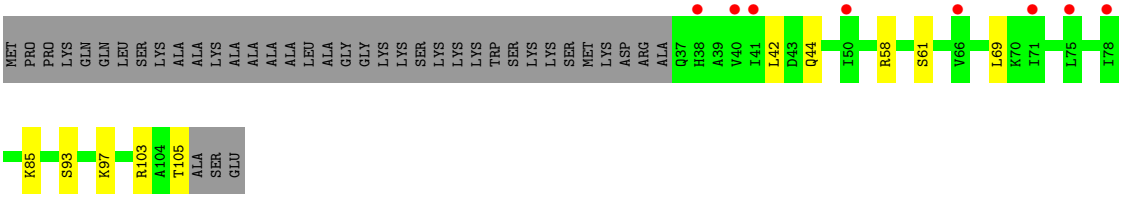




• Molecule 73: 40S ribosomal protein S25-A



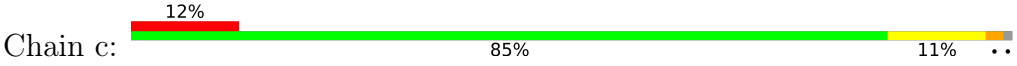
• Molecule 73: 40S ribosomal protein S25-A

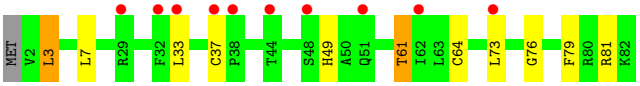


• Molecule 74: Small ribosomal subunit protein eS26B

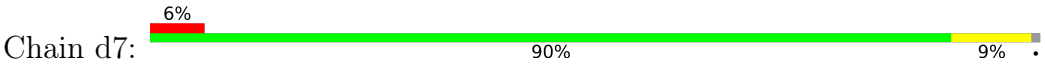
• Molecule 74: Small ribosomal subunit protein eS26B

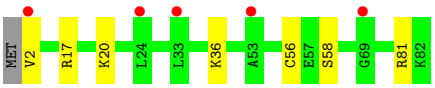
• Molecule 75: 40S ribosomal protein S27-A



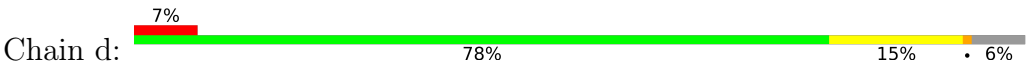


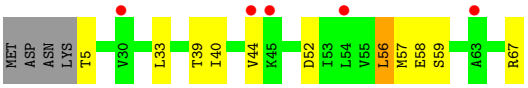
• Molecule 75: 40S ribosomal protein S27-A



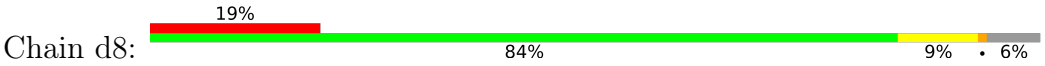


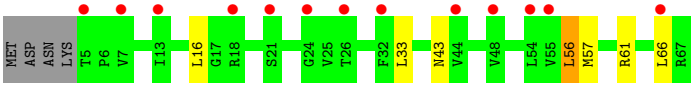
• Molecule 76: 40S ribosomal protein S28-A



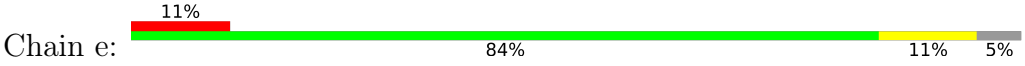


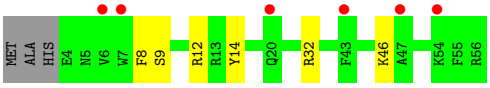
• Molecule 76: 40S ribosomal protein S28-A



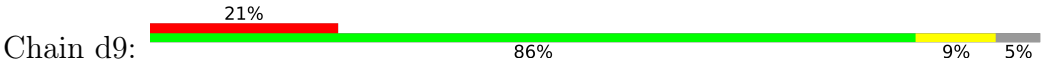


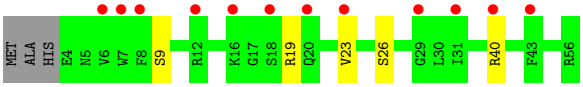
• Molecule 77: Small ribosomal subunit protein uS14A





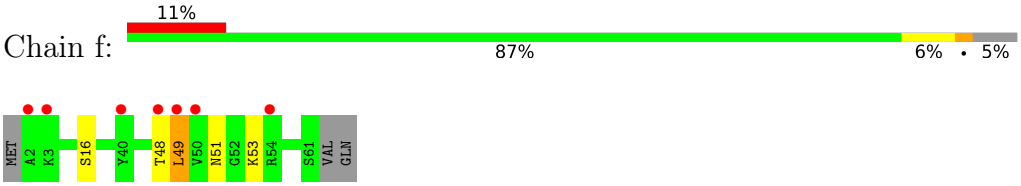
• Molecule 77: Small ribosomal subunit protein uS14A





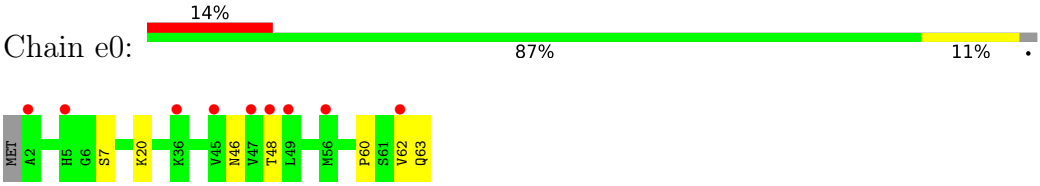
• Molecule 78: 40S ribosomal protein S30-A

Chain f:



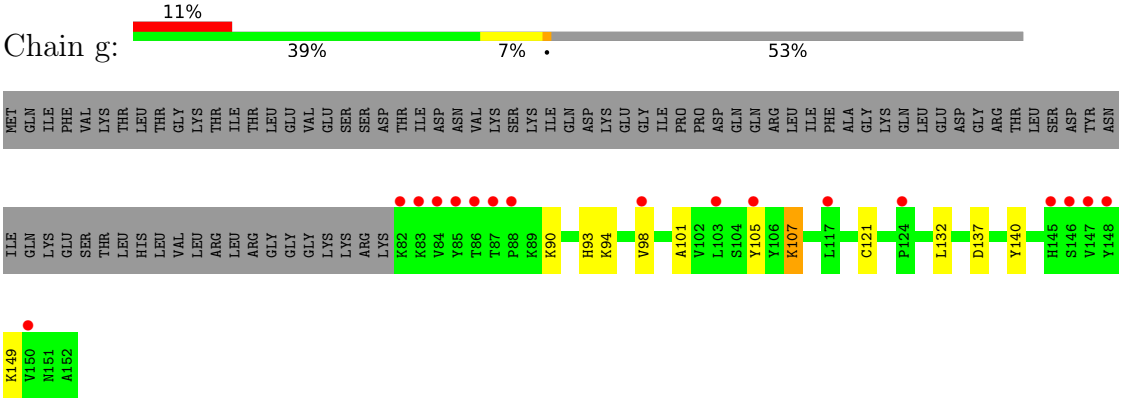
• Molecule 78: 40S ribosomal protein S30-A

Chain e0:



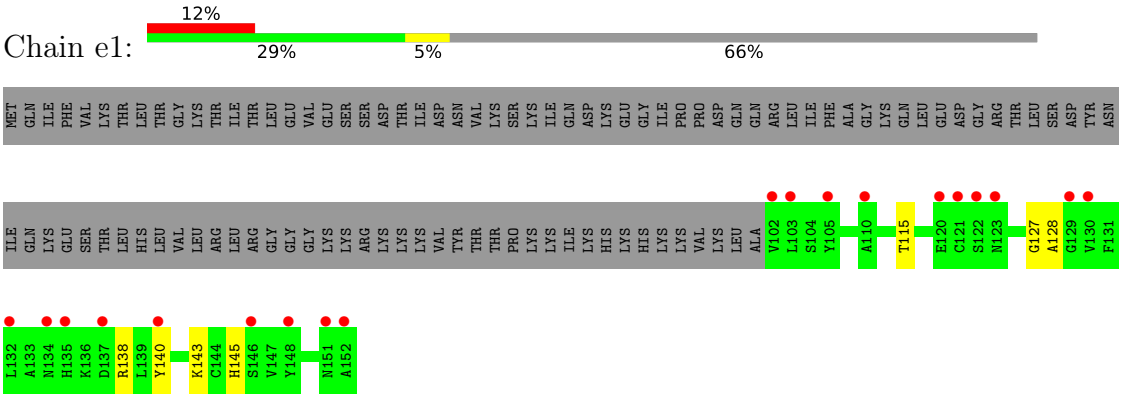
• Molecule 79: Ubiquitin

Chain g:



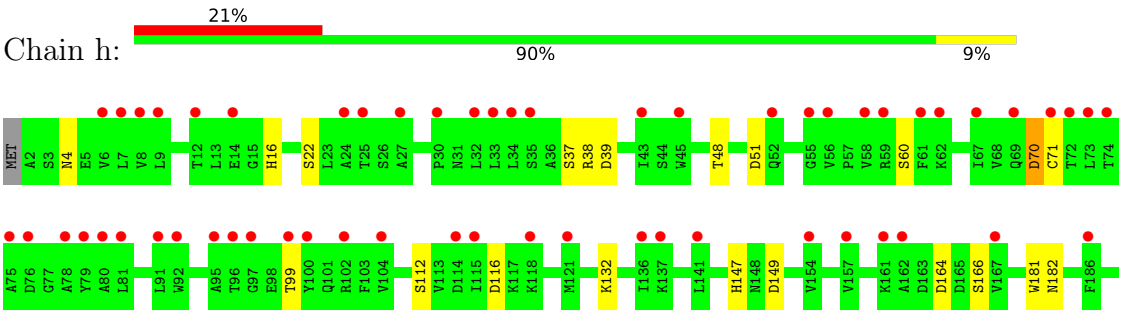
• Molecule 79: Ubiquitin

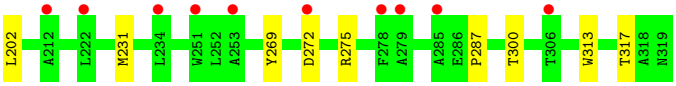
Chain e1:



• Molecule 80: Guanine nucleotide-binding protein subunit beta-like protein

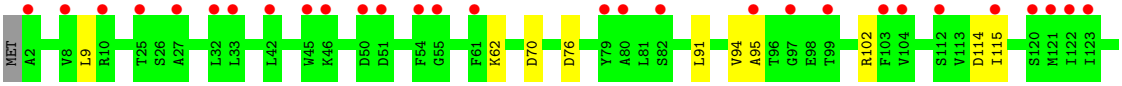
Chain h:

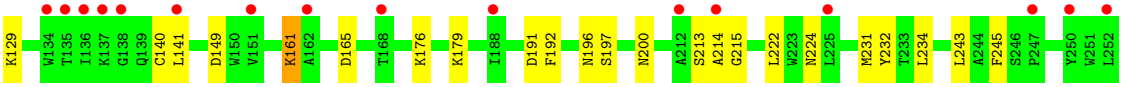


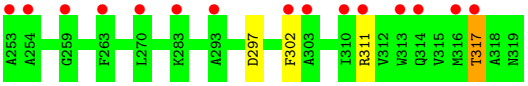


• Molecule 80: Guanine nucleotide-binding protein subunit beta-like protein

Chain Rb:







4 Data and refinement statistics (i)

Property	Value	Source
Space group	P 1 21 1	Depositor
Cell constants a, b, c, α, β, γ	303.81Å 287.52Å 435.86Å 90.00° 98.94° 90.00°	Depositor
Resolution (Å)	143.00 – 2.90 143.00 – 2.90	Depositor EDS
% Data completeness (in resolution range)	99.3 (143.00-2.90) 90.3 (143.00-2.90)	Depositor EDS
R_{merge}	0.06	Depositor
R_{sym}	(Not available)	Depositor
$< I/\sigma(I) >$ [1]	0.65 (at 2.91Å)	Xtriage
Refinement program	PHENIX 1.20.14487	Depositor
R, R_{free}	0.214 , (Not available) 0.216 , 0.238	Depositor DCC
R_{free} test set	1591844 reflections (1.55%)	wwPDB-VP
Wilson B-factor (Å^2)	64.6	Xtriage
Anisotropy	0.183	Xtriage
Bulk solvent k_{sol}(e/Å^3), B_{sol}(Å^2)	0.33 , 71.8	EDS
L-test for twinning[2]	$< \|L\| > = 0.48$, $< L^2 > = 0.31$	Xtriage
Estimated twinning fraction	No twinning to report.	Xtriage
F_o,F_c correlation	0.92	EDS
Total number of atoms	405378	wwPDB-VP
Average B, all atoms (Å^2)	87.0	wwPDB-VP

Xtriage's analysis on translational NCS is as follows: *The largest off-origin peak in the Patterson function is 1.45% of the height of the origin peak. No significant pseudotranslation is detected.*

[1] Intensities estimated from amplitudes.

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

5 Model quality (i)

5.1 Standard geometry (i)

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

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

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	#$\|Z\|$ >5	RMSZ	#$\|Z\|$ >5
1	1	0.28	0/75394	0.92	83/117545 (0.1%)
1	AR	0.29	0/74945	0.93	77/116844 (0.1%)
2	3	0.25	0/2883	0.86	0/4491
2	AS	0.26	0/2883	0.90	1/4491 (0.0%)
3	4	0.27	0/3746	0.87	2/5832 (0.0%)
3	AT	0.26	0/3746	0.87	2/5832 (0.0%)
4	CD	0.29	0/1948	0.67	1/2617 (0.0%)
4	j	0.29	0/1948	0.67	0/2617
5	CE	0.29	0/3146	0.66	3/4228 (0.1%)
5	k	0.31	0/3146	0.66	2/4228 (0.0%)
6	CF	0.31	0/2800	0.63	1/3790 (0.0%)
6	l	0.30	0/2800	0.65	2/3790 (0.1%)
7	CG	0.29	0/2398	0.64	1/3235 (0.0%)
7	m	0.33	0/2425	0.71	2/3271 (0.1%)
8	CH	0.29	0/1260	0.62	0/1694
8	n	0.31	0/1260	0.57	0/1694
9	CI	0.28	0/1821	0.58	0/2451
9	o	0.32	0/1821	0.60	0/2451
10	CJ	0.32	0/1789	0.67	0/2418
10	p	0.32	0/1836	0.59	0/2481
11	CK	0.29	0/1539	0.58	0/2073
11	q	0.36	1/1539 (0.1%)	0.66	0/2073
12	CL	0.31	0/1741	0.66	1/2335 (0.0%)
12	r	0.31	0/1741	0.68	2/2335 (0.1%)
13	CM	0.32	0/1374	0.68	1/1842 (0.1%)
13	s	0.36	0/1374	0.80	2/1842 (0.1%)
14	CN	0.34	0/1568	0.74	2/2106 (0.1%)
14	t	0.30	0/1568	0.71	2/2106 (0.1%)
15	CO	0.31	0/1068	0.61	0/1438
15	u	0.31	0/1068	0.64	0/1438
16	CP	0.27	0/1757	0.63	0/2354
16	v	0.29	0/1757	0.66	0/2354

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	#|Z| >5	RMSZ	#|Z| >5
17	CQ	0.28	0/1585	0.55	0/2128
17	w	0.29	0/1585	0.58	0/2128
18	CR	0.29	0/1250	0.60	0/1683
18	x	0.29	0/1443	0.62	0/1944
19	CS	0.29	0/1465	0.66	0/1965
19	y	0.30	0/1465	0.68	1/1965 (0.1%)
20	CT	0.27	0/1538	0.65	0/2050
20	z	0.31	0/1449	0.67	0/1932
21	0	0.31	0/1481	0.62	0/1990
21	CU	0.29	0/1481	0.58	0/1990
22	2	0.29	0/1300	0.62	0/1743
22	CV	0.31	0/1300	0.59	0/1743
23	5	0.47	0/812	0.72	0/1099
23	CW	0.39	0/812	0.76	1/1099 (0.1%)
24	6	0.32	0/1018	0.64	0/1369
24	CX	0.31	0/1018	0.61	0/1369
25	7	0.30	0/545	0.64	0/724
25	CY	0.30	0/780	0.61	0/1049
26	8	0.29	0/979	0.66	0/1321
26	CZ	0.32	0/952	0.68	1/1285 (0.1%)
27	9	0.31	0/1004	0.68	1/1341 (0.1%)
27	DA	0.28	0/987	0.61	0/1318
28	AA	0.39	0/1118	0.70	1/1497 (0.1%)
28	DB	0.39	0/1118	0.70	2/1497 (0.1%)
29	AB	0.35	0/1204	0.79	6/1612 (0.4%)
29	DC	0.36	0/1204	0.80	4/1612 (0.2%)
30	AC	0.28	0/473	0.62	0/629
30	DD	0.29	0/473	0.67	0/629
31	AD	0.30	0/751	0.56	0/1008
31	DE	0.28	0/751	0.57	0/1008
32	AE	0.32	0/890	0.59	0/1196
32	DF	0.29	0/890	0.64	0/1196
33	AF	0.26	0/1041	0.59	0/1394
33	DG	0.28	0/1041	0.61	0/1394
34	AG	0.30	0/862	0.62	0/1161
34	DH	0.30	0/868	0.61	0/1168
35	AH	0.33	0/881	0.71	2/1178 (0.2%)
35	DI	0.30	0/890	0.68	0/1189
36	AI	0.29	0/978	0.58	0/1301
36	DJ	0.33	0/978	0.63	0/1301
37	AJ	0.31	0/745	0.65	0/991
37	DK	0.30	0/778	0.72	0/1034
38	AK	0.28	0/696	0.69	0/923

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	#|Z| >5	RMSZ	#|Z| >5
38	DL	0.28	0/691	0.67	0/916
39	AL	0.31	0/618	0.70	0/826
39	DM	0.34	0/618	0.75	0/826
40	AM	0.27	0/443	0.71	0/588
40	DN	0.28	0/443	0.72	0/588
41	AN	0.33	0/423	0.66	0/562
41	DO	0.32	0/423	0.66	0/562
42	AO	0.28	0/234	0.80	0/300
42	DP	0.26	0/234	0.77	0/300
43	AP	0.34	0/860	0.81	4/1136 (0.4%)
43	DQ	0.29	0/860	0.63	0/1136
44	AQ	0.28	0/701	0.73	0/934
44	DR	0.27	0/701	0.71	0/934
45	i	0.35	0/1024	0.69	0/1374
45	sM	0.31	0/480	0.77	0/642
46	p0	0.41	0/1007	0.76	1/1355 (0.1%)
47	A	0.30	1/41494 (0.0%)	0.96	124/64649 (0.2%)
47	sR	0.29	0/42490	0.95	96/66207 (0.1%)
48	B	0.41	0/1602	0.84	3/2196 (0.1%)
48	s0	0.36	0/1623	0.78	2/2222 (0.1%)
49	C	0.44	0/1735	0.96	5/2335 (0.2%)
49	s1	0.31	0/1748	0.69	3/2352 (0.1%)
50	D	0.39	0/1665	0.74	1/2263 (0.0%)
50	s2	0.30	0/1665	0.69	2/2263 (0.1%)
51	E	0.38	0/1759	0.77	1/2368 (0.0%)
51	s3	0.44	2/1759 (0.1%)	0.79	1/2368 (0.0%)
52	F	0.37	0/2109	0.77	7/2839 (0.2%)
52	s4	0.30	0/2109	0.65	0/2839
53	G	0.44	0/1629	0.91	4/2202 (0.2%)
53	s5	0.47	1/1580 (0.1%)	0.86	4/2137 (0.2%)
54	H	0.32	0/1823	0.74	3/2439 (0.1%)
54	s6	0.32	0/1779	0.72	5/2379 (0.2%)
55	I	0.50	1/1506 (0.1%)	0.89	3/2028 (0.1%)
55	s7	0.41	0/1516	0.94	8/2043 (0.4%)
56	J	0.30	0/1514	0.73	2/2021 (0.1%)
56	s8	0.34	0/1514	0.71	1/2021 (0.0%)
57	K	0.36	0/1519	0.80	0/2035
57	s9	0.32	0/1519	0.77	3/2035 (0.1%)
58	L	0.33	0/789	0.70	0/1067
58	c0	0.33	0/776	0.66	1/1047 (0.1%)
59	M	0.31	0/1175	0.67	1/1584 (0.1%)
59	c1	0.30	0/1194	0.64	0/1610
60	N	0.37	0/898	0.93	5/1220 (0.4%)

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	#|Z| >5	RMSZ	#|Z| >5
61	O	0.33	0/1215	0.68	0/1638
61	c3	0.31	0/1215	0.61	0/1638
62	P	0.42	1/901 (0.1%)	0.86	0/1217
62	c4	0.36	0/950	0.77	0/1275
63	Q	0.74	5/998 (0.5%)	0.94	5/1341 (0.4%)
63	c5	0.37	0/1060	0.85	5/1426 (0.4%)
64	R	0.34	0/1125	0.75	1/1510 (0.1%)
64	c6	0.35	0/1131	0.76	1/1518 (0.1%)
65	S	0.42	0/935	0.88	1/1254 (0.1%)
65	c7	0.31	0/914	0.74	1/1224 (0.1%)
66	T	0.35	0/1211	0.77	1/1628 (0.1%)
66	c8	0.32	0/1211	0.82	5/1628 (0.3%)
67	U	0.40	0/1130	0.82	1/1517 (0.1%)
67	c9	0.33	0/1130	0.65	0/1517
68	V	0.31	0/774	0.68	0/1044
68	d0	0.30	0/723	0.77	2/974 (0.2%)
69	W	0.38	0/693	0.78	1/935 (0.1%)
69	d1	0.35	0/693	0.73	1/935 (0.1%)
70	X	0.34	0/1038	0.72	2/1395 (0.1%)
70	d2	0.32	0/1038	0.65	0/1395
71	Y	0.30	0/1139	0.69	0/1518
71	d3	0.28	0/1139	0.67	1/1518 (0.1%)
72	Z	0.40	0/1087	0.74	2/1449 (0.1%)
72	d4	0.34	0/1087	0.74	0/1449
73	a	0.43	0/571	0.85	1/768 (0.1%)
73	d5	0.34	0/566	0.79	1/761 (0.1%)
74	b	0.45	1/782 (0.1%)	0.87	1/1047 (0.1%)
74	d6	0.35	0/782	0.84	4/1047 (0.4%)
75	c	0.31	0/620	0.81	1/838 (0.1%)
75	d7	0.32	0/620	0.68	0/838
76	d	0.32	0/499	0.82	2/670 (0.3%)
76	d8	0.26	0/499	0.90	2/670 (0.3%)
77	d9	0.34	0/452	0.76	1/600 (0.2%)
77	e	0.31	0/452	0.70	0/600
78	e0	0.33	0/499	0.75	0/665
78	f	0.34	0/483	0.79	1/643 (0.2%)
79	e1	0.25	0/250	0.74	0/346
79	g	0.36	0/577	0.80	0/770
80	Rb	0.37	0/2495	0.77	2/3395 (0.1%)
80	h	0.35	0/2490	0.77	2/3389 (0.1%)
All	All	0.31	13/426391 (0.0%)	0.85	544/626187 (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
4	CD	0	3
5	CE	0	2
5	k	0	4
6	CF	0	4
6	l	0	5
7	CG	0	7
7	m	0	4
8	CH	0	1
9	CI	0	4
9	o	0	5
10	CJ	0	5
10	p	0	1
11	CK	0	2
11	q	0	2
12	CL	0	2
12	r	0	3
13	CM	0	2
13	s	0	3
14	CN	0	9
14	t	0	8
15	CO	0	2
15	u	0	2
19	CS	0	1
20	CT	0	1
21	0	0	1
21	CU	0	1
22	CV	0	1
23	CW	0	3
25	CY	0	1
28	AA	0	1
28	DB	0	2
29	AB	0	3
29	DC	0	2
30	AC	0	1
31	DE	0	1
32	DF	0	1
33	AF	0	2
33	DG	0	1
34	AG	0	1
34	DH	0	1

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Mol	Chain	#Chirality outliers	#Planarity outliers
35	AH	0	1
35	DI	0	1
36	AI	0	2
36	DJ	0	1
37	DK	0	2
38	AK	0	2
39	AL	0	2
39	DM	0	1
40	DN	0	1
43	AP	0	1
44	DR	0	1
45	i	0	4
45	sM	0	2
47	A	0	1
48	B	0	6
48	s0	0	5
49	C	0	11
49	s1	0	1
50	D	0	3
50	s2	0	1
51	E	0	2
51	s3	0	14
52	F	0	3
52	s4	0	2
53	G	0	4
53	s5	0	1
54	H	0	4
54	s6	0	2
55	I	0	3
55	s7	0	9
56	J	0	3
56	s8	0	2
57	K	0	5
57	s9	0	4
58	L	0	6
58	c0	0	4
59	M	0	1
59	c1	0	1
60	N	0	12
61	c3	0	1
62	P	0	2
62	c4	0	5

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Mol	Chain	#Chirality outliers	#Planarity outliers
63	Q	0	4
63	c5	0	3
64	R	0	5
64	c6	0	6
65	S	0	3
65	c7	0	1
66	T	0	6
66	c8	0	4
67	U	0	3
68	V	0	6
68	d0	0	4
69	d1	0	1
70	X	0	1
70	d2	0	1
71	Y	0	2
71	d3	0	1
72	Z	0	1
72	d4	0	3
73	a	0	2
73	d5	0	2
74	b	0	7
74	d6	0	1
75	c	0	4
75	d7	0	1
76	d	0	2
76	d8	0	1
78	e0	0	4
78	f	0	1
79	e1	0	7
79	g	0	2
80	Rb	0	6
80	h	0	3
All	All	0	342

The worst 5 of 13 bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
63	Q	68	PRO	CG-CD	-10.21	1.17	1.50
63	Q	71	GLU	CG-CD	6.89	1.62	1.51
55	I	28	GLU	CG-CD	6.88	1.62	1.51
51	s3	211	PRO	N-CA	6.71	1.58	1.47
47	A	310	C	C2-O2	-6.15	1.19	1.24

The worst 5 of 544 bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
47	sR	1405	G	O5'-P-OP1	-16.11	91.20	105.70
7	m	253	PHE	C-N-CA	-11.08	94.00	121.70
47	A	357	G	N3-C2-N2	-10.82	112.32	119.90
48	B	9	LEU	CB-CG-CD1	-10.57	93.03	111.00
55	s7	63	PRO	C-N-CA	10.38	147.65	121.70

There are no chirality outliers.

5 of 342 planarity outliers are listed below:

Mol	Chain	Res	Type	Group
5	k	172	ALA	Peptide
5	k	173	GLN	Peptide
5	k	346	THR	Peptide
5	k	349	LYS	Peptide
6	l	13	GLY	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	
4	CD	250/254 (98%)	248 (99%)	2 (1%)	0	100	100
4	j	250/254 (98%)	250 (100%)	0	0	100	100
5	CE	384/387 (99%)	379 (99%)	5 (1%)	0	100	100
5	k	384/387 (99%)	377 (98%)	7 (2%)	0	100	100
6	CF	359/362 (99%)	356 (99%)	3 (1%)	0	100	100
6	l	359/362 (99%)	355 (99%)	4 (1%)	0	100	100

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
7	CG	290/297 (98%)	286 (99%)	4 (1%)	0	100	100
7	m	294/297 (99%)	287 (98%)	7 (2%)	0	100	100
8	CH	152/176 (86%)	151 (99%)	1 (1%)	0	100	100
8	n	152/176 (86%)	152 (100%)	0	0	100	100
9	CI	220/244 (90%)	218 (99%)	2 (1%)	0	100	100
9	o	220/244 (90%)	215 (98%)	5 (2%)	0	100	100
10	CJ	224/256 (88%)	224 (100%)	0	0	100	100
10	p	231/256 (90%)	231 (100%)	0	0	100	100
11	CK	189/191 (99%)	188 (100%)	1 (0%)	0	100	100
11	q	189/191 (99%)	188 (100%)	1 (0%)	0	100	100
12	CL	207/221 (94%)	204 (99%)	3 (1%)	0	100	100
12	r	207/221 (94%)	202 (98%)	5 (2%)	0	100	100
13	CM	167/174 (96%)	160 (96%)	7 (4%)	0	100	100
13	s	167/174 (96%)	163 (98%)	4 (2%)	0	100	100
14	CN	191/199 (96%)	179 (94%)	12 (6%)	0	100	100
14	t	191/199 (96%)	185 (97%)	6 (3%)	0	100	100
15	CO	134/138 (97%)	132 (98%)	2 (2%)	0	100	100
15	u	134/138 (97%)	132 (98%)	2 (2%)	0	100	100
16	CP	201/204 (98%)	201 (100%)	0	0	100	100
16	v	201/204 (98%)	198 (98%)	3 (2%)	0	100	100
17	CQ	195/199 (98%)	195 (100%)	0	0	100	100
17	w	195/199 (98%)	195 (100%)	0	0	100	100
18	CR	153/184 (83%)	153 (100%)	0	0	100	100
18	x	181/184 (98%)	180 (99%)	1 (1%)	0	100	100
19	CS	183/186 (98%)	183 (100%)	0	0	100	100
19	y	183/186 (98%)	182 (100%)	1 (0%)	0	100	100
20	CT	186/189 (98%)	184 (99%)	2 (1%)	0	100	100
20	z	175/189 (93%)	175 (100%)	0	0	100	100
21	0	170/172 (99%)	168 (99%)	2 (1%)	0	100	100
21	CU	170/172 (99%)	169 (99%)	1 (1%)	0	100	100
22	2	157/160 (98%)	155 (99%)	2 (1%)	0	100	100

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
22	CV	157/160 (98%)	155 (99%)	2 (1%)	0	100	100
23	5	98/121 (81%)	98 (100%)	0	0	100	100
23	CW	98/121 (81%)	97 (99%)	1 (1%)	0	100	100
24	6	134/137 (98%)	133 (99%)	1 (1%)	0	100	100
24	CX	134/137 (98%)	134 (100%)	0	0	100	100
25	7	63/155 (41%)	63 (100%)	0	0	100	100
25	CY	107/155 (69%)	106 (99%)	1 (1%)	0	100	100
26	8	119/142 (84%)	119 (100%)	0	0	100	100
26	CZ	115/142 (81%)	115 (100%)	0	0	100	100
27	9	124/127 (98%)	124 (100%)	0	0	100	100
27	DA	122/127 (96%)	122 (100%)	0	0	100	100
28	AA	133/136 (98%)	130 (98%)	3 (2%)	0	100	100
28	DB	133/136 (98%)	130 (98%)	3 (2%)	0	100	100
29	AB	146/149 (98%)	140 (96%)	6 (4%)	0	100	100
29	DC	146/149 (98%)	141 (97%)	5 (3%)	0	100	100
30	AC	56/59 (95%)	54 (96%)	2 (4%)	0	100	100
30	DD	56/59 (95%)	54 (96%)	2 (4%)	0	100	100
31	AD	95/105 (90%)	95 (100%)	0	0	100	100
31	DE	95/105 (90%)	94 (99%)	1 (1%)	0	100	100
32	AE	107/113 (95%)	103 (96%)	4 (4%)	0	100	100
32	DF	107/113 (95%)	107 (100%)	0	0	100	100
33	AF	125/130 (96%)	125 (100%)	0	0	100	100
33	DG	125/130 (96%)	125 (100%)	0	0	100	100
34	AG	104/107 (97%)	102 (98%)	2 (2%)	0	100	100
34	DH	104/107 (97%)	103 (99%)	1 (1%)	0	100	100
35	AH	109/121 (90%)	108 (99%)	0	1 (1%)	14	43
35	DI	110/121 (91%)	110 (100%)	0	0	100	100
36	AI	117/120 (98%)	117 (100%)	0	0	100	100
36	DJ	117/120 (98%)	117 (100%)	0	0	100	100
37	AJ	94/100 (94%)	93 (99%)	1 (1%)	0	100	100
37	DK	97/100 (97%)	95 (98%)	2 (2%)	0	100	100

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
38	AK	85/88 (97%)	85 (100%)	0	0	100	100
38	DL	84/88 (96%)	84 (100%)	0	0	100	100
39	AL	75/78 (96%)	75 (100%)	0	0	100	100
39	DM	75/78 (96%)	75 (100%)	0	0	100	100
40	AM	48/51 (94%)	48 (100%)	0	0	100	100
40	DN	48/51 (94%)	48 (100%)	0	0	100	100
41	AN	50/128 (39%)	50 (100%)	0	0	100	100
41	DO	50/128 (39%)	49 (98%)	1 (2%)	0	100	100
42	AO	23/25 (92%)	23 (100%)	0	0	100	100
42	DP	23/25 (92%)	23 (100%)	0	0	100	100
43	AP	103/106 (97%)	102 (99%)	1 (1%)	0	100	100
43	DQ	103/106 (97%)	103 (100%)	0	0	100	100
44	AQ	89/92 (97%)	87 (98%)	2 (2%)	0	100	100
44	DR	89/92 (97%)	87 (98%)	2 (2%)	0	100	100
45	i	136/273 (50%)	135 (99%)	1 (1%)	0	100	100
45	sM	61/273 (22%)	57 (93%)	4 (7%)	0	100	100
46	p0	122/312 (39%)	121 (99%)	1 (1%)	0	100	100
48	B	204/252 (81%)	198 (97%)	6 (3%)	0	100	100
48	s0	204/252 (81%)	196 (96%)	8 (4%)	0	100	100
49	C	212/255 (83%)	207 (98%)	5 (2%)	0	100	100
49	s1	214/255 (84%)	213 (100%)	1 (0%)	0	100	100
50	D	215/254 (85%)	211 (98%)	3 (1%)	1 (0%)	25	56
50	s2	215/254 (85%)	213 (99%)	2 (1%)	0	100	100
51	E	221/240 (92%)	221 (100%)	0	0	100	100
51	s3	221/240 (92%)	214 (97%)	7 (3%)	0	100	100
52	F	258/261 (99%)	257 (100%)	1 (0%)	0	100	100
52	s4	258/261 (99%)	257 (100%)	1 (0%)	0	100	100
53	G	204/225 (91%)	197 (97%)	7 (3%)	0	100	100
53	s5	194/225 (86%)	190 (98%)	4 (2%)	0	100	100
54	H	224/236 (95%)	216 (96%)	8 (4%)	0	100	100
54	s6	216/236 (92%)	210 (97%)	6 (3%)	0	100	100

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles
55	I	182/190 (96%)	180 (99%)	1 (0%)	1 (0%)	25 56
55	s7	184/190 (97%)	180 (98%)	4 (2%)	0	100 100
56	J	184/200 (92%)	178 (97%)	6 (3%)	0	100 100
56	s8	184/200 (92%)	181 (98%)	3 (2%)	0	100 100
57	K	183/197 (93%)	179 (98%)	4 (2%)	0	100 100
57	s9	183/197 (93%)	178 (97%)	5 (3%)	0	100 100
58	L	94/105 (90%)	91 (97%)	3 (3%)	0	100 100
58	c0	92/105 (88%)	88 (96%)	4 (4%)	0	100 100
59	M	140/156 (90%)	140 (100%)	0	0	100 100
59	c1	144/156 (92%)	142 (99%)	2 (1%)	0	100 100
60	N	122/143 (85%)	117 (96%)	5 (4%)	0	100 100
61	O	148/151 (98%)	147 (99%)	1 (1%)	0	100 100
61	c3	148/151 (98%)	145 (98%)	3 (2%)	0	100 100
62	P	125/138 (91%)	123 (98%)	1 (1%)	1 (1%)	16 45
62	c4	123/138 (89%)	122 (99%)	1 (1%)	0	100 100
63	Q	122/142 (86%)	114 (93%)	8 (7%)	0	100 100
63	c5	133/142 (94%)	126 (95%)	7 (5%)	0	100 100
64	R	139/143 (97%)	137 (99%)	2 (1%)	0	100 100
64	c6	140/143 (98%)	140 (100%)	0	0	100 100
65	S	116/136 (85%)	112 (97%)	4 (3%)	0	100 100
65	c7	113/136 (83%)	111 (98%)	2 (2%)	0	100 100
66	T	143/146 (98%)	138 (96%)	5 (4%)	0	100 100
66	c8	143/146 (98%)	137 (96%)	4 (3%)	2 (1%)	9 31
67	U	141/144 (98%)	141 (100%)	0	0	100 100
67	c9	141/144 (98%)	140 (99%)	1 (1%)	0	100 100
68	V	92/121 (76%)	90 (98%)	2 (2%)	0	100 100
68	d0	85/121 (70%)	85 (100%)	0	0	100 100
69	W	85/87 (98%)	81 (95%)	4 (5%)	0	100 100
69	d1	85/87 (98%)	82 (96%)	3 (4%)	0	100 100
70	X	127/130 (98%)	127 (100%)	0	0	100 100
70	d2	127/130 (98%)	126 (99%)	1 (1%)	0	100 100

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
71	Y	142/145 (98%)	132 (93%)	10 (7%)	0	100	100
71	d3	142/145 (98%)	138 (97%)	4 (3%)	0	100	100
72	Z	132/135 (98%)	131 (99%)	1 (1%)	0	100	100
72	d4	132/135 (98%)	125 (95%)	7 (5%)	0	100	100
73	a	68/108 (63%)	64 (94%)	4 (6%)	0	100	100
73	d5	67/108 (62%)	66 (98%)	1 (2%)	0	100	100
74	b	95/119 (80%)	88 (93%)	7 (7%)	0	100	100
74	d6	95/119 (80%)	90 (95%)	5 (5%)	0	100	100
75	c	79/82 (96%)	78 (99%)	1 (1%)	0	100	100
75	d7	79/82 (96%)	79 (100%)	0	0	100	100
76	d	61/67 (91%)	61 (100%)	0	0	100	100
76	d8	61/67 (91%)	61 (100%)	0	0	100	100
77	d9	51/56 (91%)	50 (98%)	1 (2%)	0	100	100
77	e	51/56 (91%)	51 (100%)	0	0	100	100
78	e0	60/63 (95%)	59 (98%)	1 (2%)	0	100	100
78	f	58/63 (92%)	58 (100%)	0	0	100	100
79	e1	49/152 (32%)	48 (98%)	1 (2%)	0	100	100
79	g	69/152 (45%)	65 (94%)	3 (4%)	1 (1%)	9	31
80	Rb	316/319 (99%)	311 (98%)	5 (2%)	0	100	100
80	h	316/319 (99%)	310 (98%)	6 (2%)	0	100	100
All	All	21957/24477 (90%)	21604 (98%)	346 (2%)	7 (0%)	100	100

5 of 7 Ramachandran outliers are listed below:

Mol	Chain	Res	Type
50	D	107	SER
55	I	111	LYS
62	P	42	VAL
66	c8	14	ILE
66	c8	92	ILE

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	
4	CD	193/196 (98%)	182 (94%)	11 (6%)	17	47
4	j	193/196 (98%)	187 (97%)	6 (3%)	35	70
5	CE	319/323 (99%)	299 (94%)	20 (6%)	15	42
5	k	319/323 (99%)	293 (92%)	26 (8%)	9	29
6	CF	288/289 (100%)	272 (94%)	16 (6%)	17	47
6	l	288/289 (100%)	268 (93%)	20 (7%)	13	37
7	CG	242/245 (99%)	224 (93%)	18 (7%)	11	34
7	m	244/245 (100%)	225 (92%)	19 (8%)	10	31
8	CH	134/153 (88%)	126 (94%)	8 (6%)	16	44
8	n	134/153 (88%)	127 (95%)	7 (5%)	19	50
9	CI	186/205 (91%)	178 (96%)	8 (4%)	25	57
9	o	186/205 (91%)	180 (97%)	6 (3%)	34	69
10	CJ	182/208 (88%)	167 (92%)	15 (8%)	9	29
10	p	187/208 (90%)	178 (95%)	9 (5%)	21	54
11	CK	171/171 (100%)	156 (91%)	15 (9%)	8	26
11	q	171/171 (100%)	164 (96%)	7 (4%)	26	60
12	CL	177/187 (95%)	161 (91%)	16 (9%)	8	25
12	r	177/187 (95%)	169 (96%)	8 (4%)	23	56
13	CM	147/151 (97%)	135 (92%)	12 (8%)	9	29
13	s	147/151 (97%)	131 (89%)	16 (11%)	5	17
14	CN	154/159 (97%)	137 (89%)	17 (11%)	5	16
14	t	154/159 (97%)	142 (92%)	12 (8%)	10	31
15	CO	107/109 (98%)	102 (95%)	5 (5%)	22	55
15	u	107/109 (98%)	102 (95%)	5 (5%)	22	55
16	CP	175/176 (99%)	170 (97%)	5 (3%)	37	72
16	v	175/176 (99%)	167 (95%)	8 (5%)	23	55
17	CQ	160/162 (99%)	148 (92%)	12 (8%)	11	33
17	w	160/162 (99%)	153 (96%)	7 (4%)	24	57
18	CR	125/146 (86%)	116 (93%)	9 (7%)	12	35

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles
18	x	140/146 (96%)	132 (94%)	8 (6%)	17 47
19	CS	150/151 (99%)	137 (91%)	13 (9%)	8 27
19	y	150/151 (99%)	140 (93%)	10 (7%)	13 39
20	CT	153/154 (99%)	142 (93%)	11 (7%)	12 35
20	z	144/154 (94%)	133 (92%)	11 (8%)	11 32
21	0	156/156 (100%)	144 (92%)	12 (8%)	10 31
21	CU	156/156 (100%)	143 (92%)	13 (8%)	9 28
22	2	136/137 (99%)	125 (92%)	11 (8%)	9 29
22	CV	136/137 (99%)	127 (93%)	9 (7%)	14 39
23	5	87/107 (81%)	79 (91%)	8 (9%)	7 24
23	CW	87/107 (81%)	77 (88%)	10 (12%)	4 15
24	6	104/105 (99%)	99 (95%)	5 (5%)	21 54
24	CX	104/105 (99%)	97 (93%)	7 (7%)	13 39
25	7	56/129 (43%)	53 (95%)	3 (5%)	18 49
25	CY	57/129 (44%)	57 (100%)	0	100 100
26	8	104/118 (88%)	97 (93%)	7 (7%)	13 39
26	CZ	102/118 (86%)	96 (94%)	6 (6%)	16 45
27	9	109/110 (99%)	100 (92%)	9 (8%)	9 28
27	DA	107/110 (97%)	101 (94%)	6 (6%)	17 47
28	AA	115/116 (99%)	106 (92%)	9 (8%)	10 31
28	DB	115/116 (99%)	103 (90%)	12 (10%)	5 18
29	AB	118/119 (99%)	104 (88%)	14 (12%)	4 13
29	DC	118/119 (99%)	107 (91%)	11 (9%)	7 23
30	AC	46/47 (98%)	45 (98%)	1 (2%)	47 78
30	DD	46/47 (98%)	41 (89%)	5 (11%)	5 17
31	AD	81/88 (92%)	76 (94%)	5 (6%)	15 43
31	DE	81/88 (92%)	73 (90%)	8 (10%)	6 21
32	AE	92/97 (95%)	88 (96%)	4 (4%)	25 57
32	DF	92/97 (95%)	88 (96%)	4 (4%)	25 57
33	AF	109/111 (98%)	105 (96%)	4 (4%)	29 64
33	DG	109/111 (98%)	105 (96%)	4 (4%)	29 64

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles
34	AG	89/91 (98%)	87 (98%)	2 (2%)	47 78
34	DH	90/91 (99%)	79 (88%)	11 (12%)	4 12
35	AH	94/103 (91%)	87 (93%)	7 (7%)	11 34
35	DI	95/103 (92%)	92 (97%)	3 (3%)	34 69
36	AI	104/105 (99%)	96 (92%)	8 (8%)	10 31
36	DJ	104/105 (99%)	93 (89%)	11 (11%)	5 18
37	AJ	78/82 (95%)	69 (88%)	9 (12%)	4 15
37	DK	81/82 (99%)	74 (91%)	7 (9%)	8 27
38	AK	70/71 (99%)	69 (99%)	1 (1%)	62 86
38	DL	70/71 (99%)	63 (90%)	7 (10%)	6 20
39	AL	68/69 (99%)	62 (91%)	6 (9%)	8 26
39	DM	68/69 (99%)	62 (91%)	6 (9%)	8 26
40	AM	45/46 (98%)	41 (91%)	4 (9%)	8 26
40	DN	45/46 (98%)	44 (98%)	1 (2%)	47 78
41	AN	47/116 (40%)	44 (94%)	3 (6%)	14 41
41	DO	47/116 (40%)	43 (92%)	4 (8%)	8 27
42	AO	23/23 (100%)	18 (78%)	5 (22%)	1 2
42	DP	23/23 (100%)	20 (87%)	3 (13%)	3 11
43	AP	90/91 (99%)	76 (84%)	14 (16%)	2 7
43	DQ	90/91 (99%)	81 (90%)	9 (10%)	6 20
44	AQ	71/72 (99%)	64 (90%)	7 (10%)	6 21
44	DR	71/72 (99%)	64 (90%)	7 (10%)	6 21
45	i	96/228 (42%)	90 (94%)	6 (6%)	15 42
45	sM	54/228 (24%)	47 (87%)	7 (13%)	3 11
46	p0	105/254 (41%)	97 (92%)	8 (8%)	11 32
48	B	160/210 (76%)	148 (92%)	12 (8%)	11 33
48	s0	165/210 (79%)	149 (90%)	16 (10%)	6 22
49	C	191/224 (85%)	164 (86%)	27 (14%)	3 9
49	s1	192/224 (86%)	180 (94%)	12 (6%)	15 42
50	D	176/205 (86%)	161 (92%)	15 (8%)	8 27
50	s2	176/205 (86%)	168 (96%)	8 (4%)	23 56

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles
51	E	182/195 (93%)	168 (92%)	14 (8%)	10 31
51	s3	182/195 (93%)	163 (90%)	19 (10%)	5 18
52	F	221/222 (100%)	205 (93%)	16 (7%)	12 35
52	s4	221/222 (100%)	208 (94%)	13 (6%)	16 45
53	G	173/191 (91%)	157 (91%)	16 (9%)	7 24
53	s5	171/191 (90%)	152 (89%)	19 (11%)	5 16
54	H	188/201 (94%)	172 (92%)	16 (8%)	8 27
54	s6	187/201 (93%)	176 (94%)	11 (6%)	16 45
55	I	165/170 (97%)	145 (88%)	20 (12%)	4 13
55	s7	165/170 (97%)	151 (92%)	14 (8%)	8 27
56	J	150/161 (93%)	139 (93%)	11 (7%)	11 34
56	s8	150/161 (93%)	143 (95%)	7 (5%)	22 55
57	K	158/166 (95%)	137 (87%)	21 (13%)	3 10
57	s9	158/166 (95%)	147 (93%)	11 (7%)	12 36
58	L	77/98 (79%)	71 (92%)	6 (8%)	10 31
58	c0	73/98 (74%)	62 (85%)	11 (15%)	2 7
59	M	129/137 (94%)	124 (96%)	5 (4%)	27 62
59	c1	129/137 (94%)	120 (93%)	9 (7%)	12 36
60	N	88/119 (74%)	77 (88%)	11 (12%)	3 12
61	O	127/128 (99%)	118 (93%)	9 (7%)	12 36
61	c3	127/128 (99%)	117 (92%)	10 (8%)	10 30
62	P	81/105 (77%)	73 (90%)	8 (10%)	6 21
62	c4	96/105 (91%)	92 (96%)	4 (4%)	25 59
63	Q	101/118 (86%)	92 (91%)	9 (9%)	8 26
63	c5	103/118 (87%)	93 (90%)	10 (10%)	6 22
64	R	117/119 (98%)	96 (82%)	21 (18%)	1 4
64	c6	118/119 (99%)	110 (93%)	8 (7%)	13 38
65	S	94/124 (76%)	82 (87%)	12 (13%)	3 11
65	c7	92/124 (74%)	83 (90%)	9 (10%)	6 21
66	T	128/129 (99%)	113 (88%)	15 (12%)	4 14
66	c8	128/129 (99%)	113 (88%)	15 (12%)	4 14

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles
67	U	115/116 (99%)	103 (90%)	12 (10%)	5 18
67	c9	115/116 (99%)	105 (91%)	10 (9%)	8 27
68	V	89/114 (78%)	83 (93%)	6 (7%)	13 39
68	d0	84/114 (74%)	76 (90%)	8 (10%)	7 22
69	W	74/74 (100%)	69 (93%)	5 (7%)	13 38
69	d1	74/74 (100%)	65 (88%)	9 (12%)	4 12
70	X	110/111 (99%)	105 (96%)	5 (4%)	23 56
70	d2	110/111 (99%)	106 (96%)	4 (4%)	30 65
71	Y	119/120 (99%)	114 (96%)	5 (4%)	25 59
71	d3	119/120 (99%)	111 (93%)	8 (7%)	13 39
72	Z	112/113 (99%)	105 (94%)	7 (6%)	15 42
72	d4	112/113 (99%)	96 (86%)	16 (14%)	2 8
73	a	61/89 (68%)	56 (92%)	5 (8%)	9 29
73	d5	61/89 (68%)	54 (88%)	7 (12%)	4 15
74	b	83/100 (83%)	72 (87%)	11 (13%)	3 10
74	d6	83/100 (83%)	75 (90%)	8 (10%)	7 22
75	c	70/71 (99%)	62 (89%)	8 (11%)	4 15
75	d7	70/71 (99%)	64 (91%)	6 (9%)	8 27
76	d	56/60 (93%)	48 (86%)	8 (14%)	2 8
76	d8	56/60 (93%)	51 (91%)	5 (9%)	8 26
77	d9	47/49 (96%)	43 (92%)	4 (8%)	8 27
77	e	47/49 (96%)	41 (87%)	6 (13%)	3 11
78	e0	53/54 (98%)	50 (94%)	3 (6%)	17 47
78	f	51/54 (94%)	47 (92%)	4 (8%)	10 31
79	g	62/135 (46%)	52 (84%)	10 (16%)	2 6
80	Rb	260/262 (99%)	229 (88%)	31 (12%)	4 13
80	h	259/262 (99%)	233 (90%)	26 (10%)	6 20
All	All	18471/20424 (90%)	17025 (92%)	1446 (8%)	10 31

5 of 1446 residues with a non-rotameric sidechain are listed below:

Mol	Chain	Res	Type
60	N	126	TRP

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Mol	Chain	Res	Type
80	Rb	243	LEU
63	Q	89	MET
60	N	103	LEU
72	Z	124	ARG

Sometimes sidechains can be flipped to improve hydrogen bonding and reduce clashes. 5 of 166 such sidechains are listed below:

Mol	Chain	Res	Type
70	X	15	ASN
55	s7	42	GLN
74	b	25	ASN
80	Rb	198	ASN
61	c3	105	ASN

5.3.3 RNA (i)

Mol	Chain	Analysed	Backbone Outliers	Pucker Outliers
1	1	3145/3149 (99%)	571 (18%)	43 (1%)
1	AR	3125/3149 (99%)	557 (17%)	45 (1%)
2	3	120/121 (99%)	12 (10%)	0
2	AS	120/121 (99%)	18 (15%)	1 (0%)
3	4	157/158 (99%)	32 (20%)	2 (1%)
3	AT	157/158 (99%)	30 (19%)	1 (0%)
47	A	1735/1800 (96%)	442 (25%)	38 (2%)
47	sR	1780/1800 (98%)	429 (24%)	0
All	All	10339/10456 (98%)	2091 (20%)	130 (1%)

5 of 2091 RNA backbone outliers are listed below:

Mol	Chain	Res	Type
1	1	26	A
1	1	40	A
1	1	49	A
1	1	59	G
1	1	60	A

5 of 130 RNA pucker outliers are listed below:

Mol	Chain	Res	Type
47	A	1051	G

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Mol	Chain	Res	Type
47	A	1244	A
1	AR	588	G
1	AR	550	A
47	A	1370	U

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

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

5.5 Carbohydrates (i)

There are no oligosaccharides in this entry.

5.6 Ligand geometry (i)

Of 2429 ligands modelled in this entry, 1483 are monoatomic - leaving 946 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	$\#\|Z\| > 2$
81	OHX	1	3535[A]	-	0,6,6	-	-	-		
81	OHX	A	1917	-	0,6,6	-	-	-		
81	OHX	sR	1995	-	0,6,6	-	-	-		
81	OHX	1	3616	-	0,6,6	-	-	-		
81	OHX	1	3567	-	0,6,6	-	-	-		
81	OHX	AR	3652	-	0,6,6	-	-	-		
81	OHX	sR	2026	-	0,6,6	-	-	-		
81	OHX	AR	3575	-	0,6,6	-	-	-		
81	OHX	sR	1999	-	0,6,6	-	-	-		
81	OHX	sR	1988	-	0,6,6	-	-	-		
81	OHX	AR	3474	-	0,6,6	-	-	-		
81	OHX	AR	3523	-	0,6,6	-	-	-		
81	OHX	A	1913	-	0,6,6	-	-	-		
81	OHX	1	3564	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
81	OHX	3	201	-	0,6,6	-	-	-		
81	OHX	1	3532	-	0,6,6	-	-	-		
81	OHX	1	4133	-	0,6,6	-	-	-		
81	OHX	AR	3562	-	0,6,6	-	-	-		
81	OHX	1	3563	-	0,6,6	-	-	-		
81	OHX	1	3500	-	0,6,6	-	-	-		
81	OHX	1	4123	-	0,6,6	-	-	-		
81	OHX	A	2104	-	0,6,6	-	-	-		
81	OHX	3	202	-	0,6,6	-	-	-		
81	OHX	sR	1989	-	0,6,6	-	-	-		
81	OHX	1	3598	-	0,6,6	-	-	-		
81	OHX	AS	3506	-	0,6,6	-	-	-		
81	OHX	1	3481	-	0,6,6	-	-	-		
81	OHX	sR	1943	-	0,6,6	-	-	-		
81	OHX	A	1942	-	0,6,6	-	-	-		
81	OHX	1	3464	-	0,6,6	-	-	-		
81	OHX	1	3569	-	0,6,6	-	-	-		
81	OHX	sR	1986	-	0,6,6	-	-	-		
81	OHX	AR	3605	-	0,6,6	-	-	-		
81	OHX	sR	1931	-	0,6,6	-	-	-		
81	OHX	AR	3663	-	0,6,6	-	-	-		
81	OHX	AR	3532	-	0,6,6	-	-	-		
81	OHX	AR	3623	-	0,6,6	-	-	-		
81	OHX	1	3482[A]	-	0,6,6	-	-	-		
81	OHX	A	2120	-	0,6,6	-	-	-		
81	OHX	AR	3406	-	0,6,6	-	-	-		
81	OHX	AR	3549	-	0,6,6	-	-	-		
81	OHX	A	2132	-	0,6,6	-	-	-		
81	OHX	AR	3571	-	0,6,6	-	-	-		
81	OHX	sR	1975	-	0,6,6	-	-	-		
81	OHX	1	4117	-	0,6,6	-	-	-		
81	OHX	AR	3686	-	0,6,6	-	-	-		
81	OHX	AR	3481	-	0,6,6	-	-	-		
81	OHX	AR	3441	-	0,6,6	-	-	-		
81	OHX	AR	3511[B]	-	0,6,6	-	-	-		
81	OHX	A	1934	-	0,6,6	-	-	-		
81	OHX	3	220	-	0,6,6	-	-	-		
81	OHX	1	3576	-	0,6,6	-	-	-		
84	XBI	1	4157	-	28,28,28	0.57	0	36,45,45	2.19	7 (19%)
81	OHX	sR	2012	-	0,6,6	-	-	-		
83	SPD	1	4144	-	9,9,9	0.33	0	8,8,8	1.07	0
81	OHX	A	2131	-	0,6,6	-	-	-		
81	OHX	AT	208	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\| > 2$	Counts	RMSZ	$\#\|Z\| > 2$
81	OHX	sR	1913	-	0,6,6	-	-	-		
81	OHX	AR	3600	-	0,6,6	-	-	-		
81	OHX	1	4104	-	0,6,6	-	-	-		
81	OHX	AR	3505	-	0,6,6	-	-	-		
81	OHX	c8	201	-	0,6,6	-	-	-		
81	OHX	A	2105	-	0,6,6	-	-	-		
81	OHX	1	3536	-	0,6,6	-	-	-		
81	OHX	AR	3649	-	0,6,6	-	-	-		
81	OHX	1	3406	-	0,6,6	-	-	-		
81	OHX	1	3454	-	0,6,6	-	-	-		
81	OHX	sR	1976	-	0,6,6	-	-	-		
81	OHX	1	3426	-	0,6,6	-	-	-		
81	OHX	AR	3630	-	0,6,6	-	-	-		
81	OHX	AR	3439	-	0,6,6	-	-	-		
81	OHX	A	1931	-	0,6,6	-	-	-		
81	OHX	1	3588	-	0,6,6	-	-	-		
81	OHX	AR	3568	-	0,6,6	-	-	-		
81	OHX	1	3404	-	0,6,6	-	-	-		
81	OHX	1	3517	-	0,6,6	-	-	-		
81	OHX	3	203	-	0,6,6	-	-	-		
81	OHX	A	1936	-	0,6,6	-	-	-		
81	OHX	AR	3498	-	0,6,6	-	-	-		
81	OHX	A	1956	-	0,6,6	-	-	-		
81	OHX	1	3544	-	0,6,6	-	-	-		
81	OHX	AT	206	-	0,6,6	-	-	-		
81	OHX	AT	202	-	0,6,6	-	-	-		
81	OHX	DL	102	-	0,6,6	-	-	-		
81	OHX	1	3467[A]	-	0,5,6	-	-	-		
81	OHX	AR	3464	-	0,6,6	-	-	-		
81	OHX	CL	301	-	0,6,6	-	-	-		
81	OHX	1	3414	-	0,6,6	-	-	-		
81	OHX	AR	3643	-	0,6,6	-	-	-		
81	OHX	sR	2174	-	0,6,6	-	-	-		
81	OHX	AR	3564	-	0,6,6	-	-	-		
81	OHX	CG	303	-	0,6,6	-	-	-		
81	OHX	1	3594	-	0,6,6	-	-	-		
81	OHX	A	1922	-	0,6,6	-	-	-		
81	OHX	1	3584	-	0,6,6	-	-	-		
81	OHX	1	3617	-	0,6,6	-	-	-		
81	OHX	sR	2019	-	0,6,6	-	-	-		
81	OHX	1	3613	-	0,6,6	-	-	-		
81	OHX	1	3603	-	0,6,6	-	-	-		
81	OHX	A	2103	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
81	OHX	1	3431	-	0,6,6	-	-	-		
81	OHX	AR	3452	-	0,6,6	-	-	-		
81	OHX	1	3429	-	0,6,6	-	-	-		
81	OHX	A	2108	-	0,6,6	-	-	-		
81	OHX	AR	3440	-	0,6,6	-	-	-		
81	OHX	A	1964	-	0,6,6	-	-	-		
81	OHX	A	2142	-	0,6,6	-	-	-		
81	OHX	AR	3660	-	0,6,6	-	-	-		
81	OHX	AR	3528	-	0,6,6	-	-	-		
81	OHX	AR	3617	-	0,6,6	-	-	-		
81	OHX	sR	1969	-	0,6,6	-	-	-		
81	OHX	sR	1926	-	0,6,6	-	-	-		
81	OHX	AR	3411	-	0,6,6	-	-	-		
81	OHX	A	1953	-	0,6,6	-	-	-		
81	OHX	1	3510	-	0,6,6	-	-	-		
81	OHX	AR	3454	-	0,6,6	-	-	-		
81	OHX	1	3486	-	0,6,6	-	-	-		
81	OHX	A	1918	-	0,6,6	-	-	-		
81	OHX	sR	2025	-	0,6,6	-	-	-		
81	OHX	AS	3507	-	0,6,6	-	-	-		
81	OHX	AR	3664	-	0,6,6	-	-	-		
81	OHX	A	2127	-	0,6,6	-	-	-		
81	OHX	1	3558	-	0,6,6	-	-	-		
81	OHX	1	3453	-	0,6,6	-	-	-		
81	OHX	4	211	-	0,6,6	-	-	-		
81	OHX	AR	3429	-	0,6,6	-	-	-		
81	OHX	1	3460	-	0,6,6	-	-	-		
81	OHX	AR	3631	-	0,6,6	-	-	-		
81	OHX	A	1915	-	0,6,6	-	-	-		
81	OHX	A	1940	-	0,6,6	-	-	-		
81	OHX	AR	3477	-	0,6,6	-	-	-		
81	OHX	sR	1904	-	0,6,6	-	-	-		
81	OHX	1	3452	-	0,6,6	-	-	-		
81	OHX	AR	3471	-	0,6,6	-	-	-		
81	OHX	AR	4203	-	0,6,6	-	-	-		
81	OHX	4	235	-	0,6,6	-	-	-		
81	OHX	A	1939	-	0,6,6	-	-	-		
81	OHX	1	3589	-	0,6,6	-	-	-		
81	OHX	AR	3450	-	0,6,6	-	-	-		
81	OHX	sR	2022	-	0,6,6	-	-	-		
81	OHX	AR	3585	-	0,6,6	-	-	-		
81	OHX	sR	2171	-	0,6,6	-	-	-		
81	OHX	Q	201	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
81	OHX	sR	1911	-	0,6,6	-	-	-		
81	OHX	1	3470	-	0,6,6	-	-	-		
81	OHX	AR	3432	-	0,6,6	-	-	-		
81	OHX	A	1902	-	0,6,6	-	-	-		
81	OHX	AR	3478[A]	-	0,6,6	-	-	-		
81	OHX	AR	3584	-	0,6,6	-	-	-		
81	OHX	1	4093	-	0,6,6	-	-	-		
81	OHX	k	402	-	0,6,6	-	-	-		
81	OHX	1	3529	-	0,6,6	-	-	-		
81	OHX	AS	3530	-	0,6,6	-	-	-		
81	OHX	sR	1964	-	0,6,6	-	-	-		
81	OHX	1	3437	-	0,6,6	-	-	-		
81	OHX	AR	3546	-	0,6,6	-	-	-		
81	OHX	A	1975	-	0,6,6	-	-	-		
81	OHX	DQ	502	-	0,6,6	-	-	-		
81	OHX	AR	3402	-	0,6,6	-	-	-		
81	OHX	sR	1917	-	0,6,6	-	-	-		
81	OHX	1	3562	-	0,6,6	-	-	-		
81	OHX	1	4129	-	0,6,6	-	-	-		
81	OHX	AR	3655	-	0,6,6	-	-	-		
81	OHX	sR	2018	-	0,5,6	-	-	-		
81	OHX	AR	4197	-	0,6,6	-	-	-		
81	OHX	AT	209	-	0,6,6	-	-	-		
81	OHX	AR	3639	-	0,6,6	-	-	-		
81	OHX	sR	1915	-	0,6,6	-	-	-		
81	OHX	1	3552	-	0,6,6	-	-	-		
81	OHX	1	3411	-	0,6,6	-	-	-		
81	OHX	AR	3614	-	0,6,6	-	-	-		
81	OHX	AR	4202	-	0,6,6	-	-	-		
81	OHX	z	203	-	0,6,6	-	-	-		
81	OHX	AR	3656	-	0,6,6	-	-	-		
81	OHX	AT	215	-	0,6,6	-	-	-		
81	OHX	AR	3582	-	0,6,6	-	-	-		
81	OHX	1	3438	-	0,6,6	-	-	-		
81	OHX	AR	3687[B]	-	0,6,6	-	-	-		
81	OHX	AR	4204	-	0,6,6	-	-	-		
81	OHX	AR	3487	-	0,6,6	-	-	-		
81	OHX	AR	3621	-	0,6,6	-	-	-		
81	OHX	1	3415	-	0,6,6	-	-	-		
81	OHX	AR	3633	-	0,6,6	-	-	-		
81	OHX	A	2123	-	0,6,6	-	-	-		
81	OHX	1	3471	-	0,6,6	-	-	-		
81	OHX	A	2122	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
81	OHX	1	4142	-	0,6,6	-	-	-		
81	OHX	A	2119	-	0,6,6	-	-	-		
81	OHX	CL	302[B]	-	0,6,6	-	-	-		
81	OHX	AR	3463	-	0,6,6	-	-	-		
81	OHX	1	3590	-	0,6,6	-	-	-		
81	OHX	A	1938	-	0,6,6	-	-	-		
81	OHX	sR	2172	-	0,6,6	-	-	-		
81	OHX	A	2134	-	0,6,6	-	-	-		
81	OHX	sR	1901	-	0,6,6	-	-	-		
81	OHX	1	3516	-	0,6,6	-	-	-		
81	OHX	sR	1932	-	0,6,6	-	-	-		
81	OHX	1	3540	-	0,6,6	-	-	-		
81	OHX	A	1925	-	0,6,6	-	-	-		
81	OHX	AC	101	-	0,6,6	-	-	-		
81	OHX	AR	3661	-	0,6,6	-	-	-		
81	OHX	1	3461	-	0,6,6	-	-	-		
81	OHX	A	2114	-	0,6,6	-	-	-		
81	OHX	4	210	-	0,6,6	-	-	-		
81	OHX	sR	1952	-	0,6,6	-	-	-		
81	OHX	AR	3453	-	0,6,6	-	-	-		
81	OHX	AR	3512	-	0,6,6	-	-	-		
81	OHX	AR	3460	-	0,6,6	-	-	-		
81	OHX	sR	2020	-	0,6,6	-	-	-		
81	OHX	1	4090	-	0,5,6	-	-	-		
81	OHX	A	1941	-	0,6,6	-	-	-		
81	OHX	1	3601	-	0,6,6	-	-	-		
81	OHX	AR	3638	-	0,6,6	-	-	-		
81	OHX	O	201	-	0,6,6	-	-	-		
81	OHX	x	209	-	0,6,6	-	-	-		
81	OHX	1	3506	-	0,6,6	-	-	-		
81	OHX	1	3531	-	0,6,6	-	-	-		
81	OHX	1	3484	-	0,6,6	-	-	-		
81	OHX	A	1926	-	0,6,6	-	-	-		
81	OHX	A	1927	-	0,6,6	-	-	-		
81	OHX	A	1962	-	0,6,6	-	-	-		
81	OHX	A	2138	-	0,6,6	-	-	-		
81	OHX	A	1949	-	0,6,6	-	-	-		
81	OHX	1	4098	-	0,6,6	-	-	-		
81	OHX	1	4068	-	0,6,6	-	-	-		
81	OHX	sR	1950[A]	-	0,6,6	-	-	-		
81	OHX	sR	1912	-	0,6,6	-	-	-		
81	OHX	1	4121	-	0,6,6	-	-	-		
81	OHX	1	3407	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
81	OHX	AR	3470	-	0,6,6	-	-	-		
81	OHX	3	206	-	0,6,6	-	-	-		
81	OHX	1	3489	-	0,6,6	-	-	-		
81	OHX	AR	3483	-	0,6,6	-	-	-		
81	OHX	AR	3495	-	0,6,6	-	-	-		
81	OHX	1	3485[B]	-	0,6,6	-	-	-		
81	OHX	1	3578	-	0,6,6	-	-	-		
81	OHX	AR	3436	-	0,6,6	-	-	-		
81	OHX	1	3497	-	0,6,6	-	-	-		
81	OHX	AR	3632	-	0,6,6	-	-	-		
81	OHX	AR	3596	-	0,6,6	-	-	-		
81	OHX	A	1930	-	0,6,6	-	-	-		
81	OHX	1	4132	-	0,6,6	-	-	-		
81	OHX	AR	3551	-	0,6,6	-	-	-		
81	OHX	AR	3437	-	0,6,6	-	-	-		
81	OHX	A	1958	-	0,6,6	-	-	-		
81	OHX	sR	1938	-	0,6,6	-	-	-		
81	OHX	AT	203	-	0,6,6	-	-	-		
81	OHX	A	1965	-	0,6,6	-	-	-		
81	OHX	1	4141	-	0,6,6	-	-	-		
81	OHX	CQ	202	-	0,6,6	-	-	-		
81	OHX	AR	3555	-	0,6,6	-	-	-		
81	OHX	AR	3408	-	0,6,6	-	-	-		
81	OHX	AR	3615	-	0,6,6	-	-	-		
81	OHX	sR	2168	-	0,6,6	-	-	-		
81	OHX	1	3559	-	0,6,6	-	-	-		
81	OHX	AT	211	-	0,6,6	-	-	-		
81	OHX	1	3413	-	0,6,6	-	-	-		
81	OHX	A	1908	-	0,6,6	-	-	-		
81	OHX	1	4108	-	0,6,6	-	-	-		
81	OHX	CP	301	-	0,6,6	-	-	-		
81	OHX	1	4091	-	0,6,6	-	-	-		
81	OHX	sR	2178	-	0,6,6	-	-	-		
81	OHX	sR	1947	-	0,6,6	-	-	-		
81	OHX	sR	1944	-	0,6,6	-	-	-		
81	OHX	AR	3552	-	0,6,6	-	-	-		
81	OHX	1	3545	-	0,6,6	-	-	-		
81	OHX	AR	3611	-	0,6,6	-	-	-		
81	OHX	AR	3438	-	0,6,6	-	-	-		
81	OHX	CE	404	-	0,6,6	-	-	-		
81	OHX	sR	2008	-	0,6,6	-	-	-		
81	OHX	AR	3592	-	0,5,6	-	-	-		
81	OHX	AR	3636	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
81	OHX	AR	3412	-	0,6,6	-	-	-		
81	OHX	AR	3544	-	0,6,6	-	-	-		
81	OHX	AR	3627	-	0,6,6	-	-	-		
81	OHX	AR	3507	-	0,6,6	-	-	-		
81	OHX	1	4124	-	0,6,6	-	-	-		
81	OHX	1	3491	-	0,6,6	-	-	-		
81	OHX	AR	3669	-	0,6,6	-	-	-		
81	OHX	1	3447	-	0,6,6	-	-	-		
81	OHX	1	3570	-	0,6,6	-	-	-		
81	OHX	1	3496	-	0,6,6	-	-	-		
81	OHX	1	3505	-	0,6,6	-	-	-		
81	OHX	1	4103	-	0,6,6	-	-	-		
81	OHX	AR	3590	-	0,6,6	-	-	-		
81	OHX	1	3408	-	0,6,6	-	-	-		
81	OHX	1	3591	-	0,6,6	-	-	-		
81	OHX	A	1933	-	0,6,6	-	-	-		
81	OHX	1	4107	-	0,6,6	-	-	-		
81	OHX	AR	3537	-	0,6,6	-	-	-		
81	OHX	AR	3637	-	0,6,6	-	-	-		
81	OHX	AR	3423	-	0,6,6	-	-	-		
81	OHX	A	2144	-	0,6,6	-	-	-		
81	OHX	3	221	-	0,6,6	-	-	-		
81	OHX	1	3522	-	0,6,6	-	-	-		
81	OHX	1	3515	-	0,6,6	-	-	-		
81	OHX	sR	1924	-	0,6,6	-	-	-		
81	OHX	1	3557	-	0,6,6	-	-	-		
81	OHX	DD	101	-	0,6,6	-	-	-		
81	OHX	AR	3482	-	0,6,6	-	-	-		
81	OHX	sR	2010	-	0,6,6	-	-	-		
81	OHX	AR	3684	-	0,6,6	-	-	-		
81	OHX	1	3595	-	0,6,6	-	-	-		
81	OHX	z	201	-	0,6,6	-	-	-		
81	OHX	AR	3688	-	0,6,6	-	-	-		
81	OHX	1	3434	-	0,6,6	-	-	-		
81	OHX	1	3468	-	0,6,6	-	-	-		
81	OHX	AR	3620	-	0,6,6	-	-	-		
81	OHX	AR	3640	-	0,6,6	-	-	-		
81	OHX	1	3597	-	0,6,6	-	-	-		
81	OHX	1	3498	-	0,6,6	-	-	-		
81	OHX	A	1928	-	0,6,6	-	-	-		
81	OHX	sR	1908	-	0,6,6	-	-	-		
81	OHX	1	3503	-	0,6,6	-	-	-		
81	OHX	1	3577	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
81	OHX	AR	3479	-	0,6,6	-	-	-		
81	OHX	AT	213	-	0,6,6	-	-	-		
81	OHX	sR	1985	-	0,6,6	-	-	-		
81	OHX	AR	3601	-	0,6,6	-	-	-		
81	OHX	AR	3657	-	0,6,6	-	-	-		
81	OHX	1	4092	-	0,6,6	-	-	-		
81	OHX	A	1974	-	0,6,6	-	-	-		
81	OHX	1	3611	-	0,6,6	-	-	-		
81	OHX	AR	3457	-	0,6,6	-	-	-		
81	OHX	AR	3473	-	0,6,6	-	-	-		
81	OHX	sR	2170	-	0,6,6	-	-	-		
81	OHX	AR	3599	-	0,6,6	-	-	-		
81	OHX	AR	3612	-	0,6,6	-	-	-		
81	OHX	sR	1950[B]	-	0,6,6	-	-	-		
81	OHX	AS	3505	-	0,6,6	-	-	-		
81	OHX	AR	3488	-	0,6,6	-	-	-		
81	OHX	1	3535[B]	-	0,6,6	-	-	-		
81	OHX	4	212	-	0,6,6	-	-	-		
81	OHX	AT	210	-	0,6,6	-	-	-		
81	OHX	1	3492	-	0,6,6	-	-	-		
81	OHX	AR	3525	-	0,6,6	-	-	-		
81	OHX	AR	3426	-	0,6,6	-	-	-		
81	OHX	AR	3451	-	0,6,6	-	-	-		
81	OHX	1	3412	-	0,6,6	-	-	-		
81	OHX	AR	3489	-	0,6,6	-	-	-		
81	OHX	AR	3493	-	0,6,6	-	-	-		
81	OHX	AR	3520	-	0,6,6	-	-	-		
81	OHX	4	208	-	0,6,6	-	-	-		
81	OHX	AR	3578	-	0,6,6	-	-	-		
81	OHX	AR	3598	-	0,6,6	-	-	-		
81	OHX	AR	3645	-	0,6,6	-	-	-		
81	OHX	A	2117	-	0,6,6	-	-	-		
81	OHX	AR	3517	-	0,6,6	-	-	-		
81	OHX	A	1970	-	0,6,6	-	-	-		
81	OHX	AR	3468	-	0,6,6	-	-	-		
81	OHX	1	3409	-	0,6,6	-	-	-		
81	OHX	AR	3556	-	0,6,6	-	-	-		
81	OHX	sR	1966	-	0,6,6	-	-	-		
81	OHX	1	4125	-	0,6,6	-	-	-		
81	OHX	1	3456	-	0,6,6	-	-	-		
81	OHX	AR	3570	-	0,6,6	-	-	-		
81	OHX	1	3580	-	0,6,6	-	-	-		
81	OHX	1	3473	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
81	OHX	1	3606	-	0,6,6	-	-	-		
81	OHX	CX	202	-	0,6,6	-	-	-		
81	OHX	AR	3679	-	0,6,6	-	-	-		
81	OHX	A	2110	-	0,6,6	-	-	-		
81	OHX	CX	201	-	0,6,6	-	-	-		
81	OHX	AT	216	-	0,6,6	-	-	-		
81	OHX	1	3433	-	0,6,6	-	-	-		
81	OHX	AR	3522	-	0,6,6	-	-	-		
81	OHX	sR	2021	-	0,6,6	-	-	-		
81	OHX	1	4138	-	0,6,6	-	-	-		
81	OHX	AR	3445	-	0,6,6	-	-	-		
81	OHX	AK	103	-	0,6,6	-	-	-		
81	OHX	AR	3576	-	0,6,6	-	-	-		
81	OHX	1	3538	-	0,6,6	-	-	-		
81	OHX	AR	3594	-	0,6,6	-	-	-		
81	OHX	AR	3673	-	0,6,6	-	-	-		
81	OHX	1	3596	-	0,6,6	-	-	-		
81	OHX	4	215	-	0,6,6	-	-	-		
81	OHX	AR	3491	-	0,6,6	-	-	-		
81	OHX	1	3508	-	0,6,6	-	-	-		
81	OHX	AR	3567	-	0,6,6	-	-	-		
81	OHX	AR	3616	-	0,6,6	-	-	-		
81	OHX	1	3482[B]	-	0,6,6	-	-	-		
81	OHX	AR	3431	-	0,6,6	-	-	-		
81	OHX	AR	3619	-	0,6,6	-	-	-		
81	OHX	AR	3536	-	0,6,6	-	-	-		
81	OHX	AR	3634	-	0,6,6	-	-	-		
81	OHX	sR	1920	-	0,6,6	-	-	-		
81	OHX	1	3608[B]	-	0,6,6	-	-	-		
81	OHX	sR	1907	-	0,6,6	-	-	-		
81	OHX	sR	1970	-	0,6,6	-	-	-		
81	OHX	AR	3443	-	0,6,6	-	-	-		
81	OHX	AR	3680	-	0,6,6	-	-	-		
81	OHX	AR	3486	-	0,6,6	-	-	-		
81	OHX	AR	3563	-	0,6,6	-	-	-		
81	OHX	A	1923	-	0,6,6	-	-	-		
81	OHX	1	3579	-	0,6,6	-	-	-		
81	OHX	1	3561	-	0,6,6	-	-	-		
81	OHX	sR	1929	-	0,6,6	-	-	-		
81	OHX	AR	3401	-	0,6,6	-	-	-		
81	OHX	sR	1994	-	0,6,6	-	-	-		
81	OHX	AR	3501	-	0,6,6	-	-	-		
81	OHX	AR	3577	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
81	OHX	AR	3416	-	0,6,6	-	-	-		
81	OHX	AR	3510	-	0,6,6	-	-	-		
81	OHX	A	2100	-	0,6,6	-	-	-		
81	OHX	A	1911	-	0,6,6	-	-	-		
81	OHX	sR	1909	-	0,6,6	-	-	-		
81	OHX	sR	1971	-	0,6,6	-	-	-		
81	OHX	1	3423	-	0,6,6	-	-	-		
81	OHX	c5	201	-	0,6,6	-	-	-		
81	OHX	c3	201	-	0,6,6	-	-	-		
81	OHX	AR	3659	-	0,6,6	-	-	-		
81	OHX	AR	3668	-	0,6,6	-	-	-		
81	OHX	AR	3580	-	0,6,6	-	-	-		
81	OHX	A	1921	-	0,6,6	-	-	-		
81	OHX	sR	1996	-	0,6,6	-	-	-		
81	OHX	A	1961	-	0,6,6	-	-	-		
81	OHX	AS	3504	-	0,6,6	-	-	-		
81	OHX	1	3582	-	0,6,6	-	-	-		
81	OHX	AR	3448	-	0,6,6	-	-	-		
81	OHX	AR	3579	-	0,6,6	-	-	-		
81	OHX	AR	3472	-	0,6,6	-	-	-		
81	OHX	AR	3541	-	0,6,6	-	-	-		
81	OHX	sR	1910	-	0,6,6	-	-	-		
81	OHX	AR	3405	-	0,6,6	-	-	-		
81	OHX	1	3462	-	0,6,6	-	-	-		
81	OHX	1	3530	-	0,6,6	-	-	-		
81	OHX	A	1943	-	0,6,6	-	-	-		
81	OHX	1	3615	-	0,6,6	-	-	-		
81	OHX	sR	1903	-	0,6,6	-	-	-		
81	OHX	sR	2003	-	0,6,6	-	-	-		
81	OHX	1	3467[B]	-	0,5,6	-	-	-		
81	OHX	sR	2005	-	0,6,6	-	-	-		
81	OHX	sR	1923	-	0,6,6	-	-	-		
81	OHX	sR	1949	-	0,6,6	-	-	-		
81	OHX	1	3442	-	0,6,6	-	-	-		
81	OHX	sR	2169	-	0,6,6	-	-	-		
81	OHX	1	4096	-	0,6,6	-	-	-		
81	OHX	AR	3607	-	0,6,6	-	-	-		
81	OHX	1	4136	-	0,6,6	-	-	-		
81	OHX	1	3554	-	0,6,6	-	-	-		
81	OHX	sR	1977	-	0,6,6	-	-	-		
81	OHX	1	4131	-	0,6,6	-	-	-		
81	OHX	S	201	-	0,6,6	-	-	-		
81	OHX	1	3586	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
81	OHX	1	4097	-	0,6,6	-	-	-		
81	OHX	1	3573	-	0,6,6	-	-	-		
81	OHX	A	1904	-	0,6,6	-	-	-		
81	OHX	1	3410	-	0,6,6	-	-	-		
81	OHX	1	3448	-	0,6,6	-	-	-		
81	OHX	1	3417	-	0,6,6	-	-	-		
81	OHX	1	3472	-	0,6,6	-	-	-		
81	OHX	1	3421	-	0,6,6	-	-	-		
81	OHX	A	1914	-	0,6,6	-	-	-		
81	OHX	A	1957	-	0,6,6	-	-	-		
81	OHX	AR	3602	-	0,6,6	-	-	-		
81	OHX	1	3419	-	0,6,6	-	-	-		
81	OHX	3	219	-	0,6,6	-	-	-		
81	OHX	1	4120	-	0,5,6	-	-	-		
81	OHX	1	3425	-	0,6,6	-	-	-		
81	OHX	A	2112	-	0,6,6	-	-	-		
81	OHX	A	1901	-	0,6,6	-	-	-		
81	OHX	1	4075	-	0,6,6	-	-	-		
81	OHX	AR	3682	-	0,6,6	-	-	-		
81	OHX	1	3501	-	0,6,6	-	-	-		
81	OHX	AR	3485	-	0,6,6	-	-	-		
81	OHX	AR	3548	-	0,6,6	-	-	-		
81	OHX	AR	3508	-	0,6,6	-	-	-		
81	OHX	sR	1919	-	0,6,6	-	-	-		
81	OHX	1	3444	-	0,6,6	-	-	-		
81	OHX	1	3480	-	0,6,6	-	-	-		
81	OHX	CE	403	-	0,6,6	-	-	-		
81	OHX	AR	3466	-	0,6,6	-	-	-		
81	OHX	A	1903	-	0,6,6	-	-	-		
81	OHX	1	3566	-	0,6,6	-	-	-		
81	OHX	1	3428	-	0,6,6	-	-	-		
81	OHX	1	3543	-	0,6,6	-	-	-		
81	OHX	A	2133	-	0,6,6	-	-	-		
81	OHX	1	3418	-	0,6,6	-	-	-		
81	OHX	AR	3419	-	0,6,6	-	-	-		
81	OHX	1	4112	-	0,6,6	-	-	-		
81	OHX	1	3490	-	0,6,6	-	-	-		
81	OHX	AR	3500	-	0,6,6	-	-	-		
81	OHX	sR	2177	-	0,6,6	-	-	-		
81	OHX	sR	2004	-	0,6,6	-	-	-		
81	OHX	1	3495	-	0,6,6	-	-	-		
81	OHX	sR	1973	-	0,6,6	-	-	-		
81	OHX	CS	201	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
81	OHX	AR	3461	-	0,6,6	-	-	-		
81	OHX	1	3551	-	0,6,6	-	-	-		
81	OHX	sR	1927	-	0,6,6	-	-	-		
81	OHX	1	3537	-	0,6,6	-	-	-		
81	OHX	AS	3503	-	0,6,6	-	-	-		
81	OHX	s8	302	-	0,6,6	-	-	-		
81	OHX	A	1963	-	0,6,6	-	-	-		
81	OHX	1	3466	-	0,6,6	-	-	-		
81	OHX	1	3521	-	0,6,6	-	-	-		
81	OHX	1	3572	-	0,6,6	-	-	-		
81	OHX	AR	3414	-	0,6,6	-	-	-		
81	OHX	A	2139	-	0,6,6	-	-	-		
81	OHX	T	201	-	0,6,6	-	-	-		
81	OHX	AR	3641	-	0,6,6	-	-	-		
81	OHX	sR	1914	-	0,6,6	-	-	-		
81	OHX	sR	1928	-	0,6,6	-	-	-		
81	OHX	sR	1974	-	0,6,6	-	-	-		
81	OHX	A	2115	-	0,6,6	-	-	-		
81	OHX	AR	3478[B]	-	0,6,6	-	-	-		
81	OHX	1	3477	-	0,6,6	-	-	-		
81	OHX	sR	1958	-	0,6,6	-	-	-		
81	OHX	AR	3677	-	0,6,6	-	-	-		
81	OHX	AR	3671	-	0,6,6	-	-	-		
81	OHX	AR	3665	-	0,6,6	-	-	-		
81	OHX	AT	207	-	0,6,6	-	-	-		
81	OHX	AR	3446	-	0,6,6	-	-	-		
81	OHX	AR	3613	-	0,6,6	-	-	-		
81	OHX	CK	201	-	0,6,6	-	-	-		
81	OHX	A	1946	-	0,6,6	-	-	-		
81	OHX	A	1947	-	0,6,6	-	-	-		
81	OHX	1	3541	-	0,6,6	-	-	-		
81	OHX	1	3548	-	0,6,6	-	-	-		
81	OHX	A	1909	-	0,6,6	-	-	-		
81	OHX	A	2145	-	0,6,6	-	-	-		
81	OHX	AR	3662	-	0,6,6	-	-	-		
81	OHX	sR	1946	-	0,6,6	-	-	-		
84	XBI	AR	4222	-	28,28,28	0.66	1 (3%)	36,45,45	1.94	7 (19%)
81	OHX	1	3575	-	0,6,6	-	-	-		
81	OHX	1	4122	-	0,6,6	-	-	-		
81	OHX	1	4111	-	0,6,6	-	-	-		
81	OHX	sR	1948	-	0,6,6	-	-	-		
81	OHX	AR	3467	-	0,6,6	-	-	-		
81	OHX	1	3420	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
81	OHX	AR	3583	-	0,6,6	-	-	-		
81	OHX	1	3475	-	0,6,6	-	-	-		
81	OHX	AR	3413	-	0,6,6	-	-	-		
81	OHX	AR	3586	-	0,6,6	-	-	-		
81	OHX	AR	3603	-	0,6,6	-	-	-		
81	OHX	A	1966	-	0,6,6	-	-	-		
81	OHX	A	2128	-	0,6,6	-	-	-		
81	OHX	sR	1906	-	0,6,6	-	-	-		
81	OHX	1	3512	-	0,6,6	-	-	-		
81	OHX	sR	1940	-	0,6,6	-	-	-		
81	OHX	AR	3410	-	0,6,6	-	-	-		
81	OHX	sR	1987	-	0,6,6	-	-	-		
81	OHX	A	2121	-	0,6,6	-	-	-		
81	OHX	A	1968	-	0,6,6	-	-	-		
81	OHX	AT	212	-	0,6,6	-	-	-		
81	OHX	4	214	-	0,6,6	-	-	-		
81	OHX	A	2141	-	0,6,6	-	-	-		
81	OHX	AR	3658	-	0,6,6	-	-	-		
81	OHX	A	1973	-	0,6,6	-	-	-		
81	OHX	sR	1963	-	0,6,6	-	-	-		
81	OHX	A	1924	-	0,6,6	-	-	-		
81	OHX	A	1952	-	0,6,6	-	-	-		
81	OHX	1	3513	-	0,6,6	-	-	-		
81	OHX	1	3519[A]	-	0,6,6	-	-	-		
81	OHX	1	4100	-	0,6,6	-	-	-		
81	OHX	AR	4201	-	0,6,6	-	-	-		
81	OHX	1	4109	-	0,6,6	-	-	-		
81	OHX	1	3518	-	0,6,6	-	-	-		
81	OHX	AR	3506	-	0,6,6	-	-	-		
81	OHX	AR	3447	-	0,6,6	-	-	-		
81	OHX	AR	3465	-	0,6,6	-	-	-		
81	OHX	AR	3462	-	0,6,6	-	-	-		
81	OHX	AR	3530	-	0,6,6	-	-	-		
81	OHX	A	2140	-	0,6,6	-	-	-		
81	OHX	sR	1937	-	0,6,6	-	-	-		
81	OHX	1	4116	-	0,6,6	-	-	-		
81	OHX	sR	1967	-	0,6,6	-	-	-		
81	OHX	1	3488	-	0,6,6	-	-	-		
81	OHX	AR	3515	-	0,6,6	-	-	-		
81	OHX	AR	3490	-	0,6,6	-	-	-		
81	OHX	AR	3557	-	0,6,6	-	-	-		
81	OHX	AR	3618	-	0,6,6	-	-	-		
81	OHX	AR	3504	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\| > 2$	Counts	RMSZ	$\#\|Z\| > 2$
81	OHX	3	205	-	0,6,6	-	-	-		
81	OHX	sR	2016	-	0,6,6	-	-	-		
81	OHX	sR	1905	-	0,6,6	-	-	-		
81	OHX	sR	2023	-	0,6,6	-	-	-		
81	OHX	1	3441	-	0,6,6	-	-	-		
81	OHX	1	3604	-	0,6,6	-	-	-		
81	OHX	sR	1945	-	0,6,6	-	-	-		
81	OHX	sR	1990	-	0,6,6	-	-	-		
81	OHX	sR	1982	-	0,6,6	-	-	-		
81	OHX	AR	3509	-	0,6,6	-	-	-		
81	OHX	1	3556	-	0,6,6	-	-	-		
81	OHX	AR	3417	-	0,6,6	-	-	-		
81	OHX	A	2126	-	0,6,6	-	-	-		
81	OHX	sR	1991	-	0,6,6	-	-	-		
81	OHX	1	3525	-	0,6,6	-	-	-		
81	OHX	1	4099	-	0,6,6	-	-	-		
81	OHX	AR	3421	-	0,6,6	-	-	-		
81	OHX	1	3600	-	0,6,6	-	-	-		
81	OHX	A	2109	-	0,6,6	-	-	-		
81	OHX	AR	3572	-	0,6,6	-	-	-		
81	OHX	1	4110	-	0,6,6	-	-	-		
81	OHX	4	209	-	0,6,6	-	-	-		
81	OHX	AR	3524	-	0,6,6	-	-	-		
81	OHX	3	204	-	0,6,6	-	-	-		
81	OHX	AR	4205	-	0,5,6	-	-	-		
81	OHX	1	3587	-	0,6,6	-	-	-		
81	OHX	A	2129	-	0,6,6	-	-	-		
81	OHX	AR	3565	-	0,6,6	-	-	-		
81	OHX	AR	3647	-	0,6,6	-	-	-		
81	OHX	1	3534	-	0,6,6	-	-	-		
81	OHX	1	4072	-	0,6,6	-	-	-		
81	OHX	1	3403	-	0,6,6	-	-	-		
81	OHX	3	222	-	0,6,6	-	-	-		
81	OHX	1	3526	-	0,6,6	-	-	-		
81	OHX	1	3593	-	0,6,6	-	-	-		
81	OHX	1	3550	-	0,6,6	-	-	-		
81	OHX	4	204	-	0,6,6	-	-	-		
81	OHX	AR	3543	-	0,6,6	-	-	-		
81	OHX	sR	1960	-	0,6,6	-	-	-		
81	OHX	AR	3418	-	0,6,6	-	-	-		
81	OHX	AR	3650	-	0,6,6	-	-	-		
81	OHX	AR	3415	-	0,6,6	-	-	-		
81	OHX	1	3509	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\| > 2$	Counts	RMSZ	$\#\|Z\| > 2$
81	OHX	sR	2006	-	0,6,6	-	-	-		
81	OHX	sR	1916[B]	-	0,6,6	-	-	-		
81	OHX	CG	301	-	0,5,6	-	-	-		
81	OHX	1	4105	-	0,5,6	-	-	-		
81	OHX	sR	2002	-	0,6,6	-	-	-		
81	OHX	AR	3409	-	0,6,6	-	-	-		
81	OHX	AR	3475	-	0,6,6	-	-	-		
81	OHX	AR	3606	-	0,6,6	-	-	-		
81	OHX	AR	3534	-	0,6,6	-	-	-		
81	OHX	AR	3670	-	0,6,6	-	-	-		
81	OHX	A	2106	-	0,6,6	-	-	-		
81	OHX	1	4095	-	0,6,6	-	-	-		
81	OHX	1	4119	-	0,6,6	-	-	-		
81	OHX	1	3459	-	0,6,6	-	-	-		
81	OHX	AR	3516	-	0,6,6	-	-	-		
81	OHX	AR	3540	-	0,6,6	-	-	-		
81	OHX	AR	3434	-	0,6,6	-	-	-		
81	OHX	1	3439	-	0,6,6	-	-	-		
81	OHX	AR	3407	-	0,6,6	-	-	-		
81	OHX	d0	201	-	0,6,6	-	-	-		
81	OHX	1	3568	-	0,6,6	-	-	-		
81	OHX	1	3416	-	0,6,6	-	-	-		
81	OHX	AR	3497	-	0,6,6	-	-	-		
81	OHX	AR	3513	-	0,6,6	-	-	-		
81	OHX	AR	3604	-	0,6,6	-	-	-		
81	OHX	CP	303	-	0,6,6	-	-	-		
81	OHX	1	3542	-	0,6,6	-	-	-		
81	OHX	sR	1930	-	0,6,6	-	-	-		
81	OHX	AR	3511[A]	-	0,6,6	-	-	-		
81	OHX	sR	1933	-	0,6,6	-	-	-		
81	OHX	sR	1972	-	0,6,6	-	-	-		
81	OHX	1	3547	-	0,6,6	-	-	-		
81	OHX	A	2118	-	0,6,6	-	-	-		
81	OHX	AR	3560	-	0,6,6	-	-	-		
81	OHX	AR	3675	-	0,6,6	-	-	-		
81	OHX	sR	2015	-	0,6,6	-	-	-		
81	OHX	A	1929	-	0,6,6	-	-	-		
81	OHX	AR	3430	-	0,6,6	-	-	-		
81	OHX	A	2143	81	0,5,6	-	-	-		
81	OHX	sR	1992	-	0,6,6	-	-	-		
81	OHX	AR	3492	-	0,6,6	-	-	-		
81	OHX	sR	2176	-	0,6,6	-	-	-		
81	OHX	1	3405	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
81	OHX	1	4140	-	0,6,6	-	-	-		
81	OHX	AR	3545	-	0,6,6	-	-	-		
81	OHX	AR	3653	-	0,6,6	-	-	-		
81	OHX	AR	3533	-	0,6,6	-	-	-		
81	OHX	A	1971	-	0,6,6	-	-	-		
81	OHX	1	4102	-	0,6,6	-	-	-		
81	OHX	A	2116	-	0,6,6	-	-	-		
81	OHX	1	4137	-	0,6,6	-	-	-		
81	OHX	e	102	-	0,6,6	-	-	-		
81	OHX	1	3494	-	0,6,6	-	-	-		
81	OHX	AR	3667	-	0,6,6	-	-	-		
81	OHX	3	218	-	0,6,6	-	-	-		
81	OHX	sR	1981	-	0,6,6	-	-	-		
81	OHX	AR	3458	-	0,6,6	-	-	-		
81	OHX	sR	1998	-	0,6,6	-	-	-		
81	OHX	AR	3654	-	0,6,6	-	-	-		
81	OHX	AR	3646	-	0,6,6	-	-	-		
81	OHX	1	3607	-	0,6,6	-	-	-		
81	OHX	AR	3542	-	0,6,6	-	-	-		
81	OHX	AR	3651	-	0,6,6	-	-	-		
81	OHX	AR	3433	-	0,6,6	-	-	-		
81	OHX	A	1951	-	0,6,6	-	-	-		
81	OHX	A	1950	-	0,6,6	-	-	-		
81	OHX	1	3528	-	0,6,6	-	-	-		
81	OHX	1	3574	-	0,6,6	-	-	-		
81	OHX	1	4076	-	0,6,6	-	-	-		
81	OHX	AR	3625	-	0,6,6	-	-	-		
81	OHX	A	1937	-	0,6,6	-	-	-		
81	OHX	AR	3587	-	0,6,6	-	-	-		
81	OHX	AR	3442	-	0,6,6	-	-	-		
81	OHX	A	2135	-	0,6,6	-	-	-		
81	OHX	1	3502	-	0,6,6	-	-	-		
81	OHX	sR	1956	-	0,6,6	-	-	-		
81	OHX	AR	3628	-	0,6,6	-	-	-		
81	OHX	AR	4195	-	0,6,6	-	-	-		
81	OHX	1	3533	-	0,6,6	-	-	-		
81	OHX	1	3432	-	0,6,6	-	-	-		
81	OHX	1	3514	-	0,6,6	-	-	-		
81	OHX	AR	3526	-	0,6,6	-	-	-		
81	OHX	AR	3476	-	0,6,6	-	-	-		
81	OHX	AR	3550	-	0,6,6	-	-	-		
81	OHX	1	3539	-	0,6,6	-	-	-		
81	OHX	1	3608[A]	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
81	OHX	AR	3519	-	0,6,6	-	-	-		
81	OHX	1	3546	-	0,6,6	-	-	-		
81	OHX	AR	3531	-	0,6,6	-	-	-		
81	OHX	A	2124	-	0,6,6	-	-	-		
81	OHX	J	301	-	0,6,6	-	-	-		
81	OHX	v	301	-	0,6,6	-	-	-		
81	OHX	1	3422	-	0,6,6	-	-	-		
81	OHX	1	3455	-	0,6,6	-	-	-		
81	OHX	AR	3496	-	0,6,6	-	-	-		
81	OHX	1	3581	-	0,6,6	-	-	-		
81	OHX	1	3450	-	0,6,6	-	-	-		
81	OHX	sR	2009	-	0,6,6	-	-	-		
81	OHX	AR	3554	-	0,6,6	-	-	-		
81	OHX	l	402	-	0,6,6	-	-	-		
81	OHX	AR	3435	-	0,6,6	-	-	-		
81	OHX	1	3614	-	0,6,6	-	-	-		
81	OHX	1	3571	-	0,6,6	-	-	-		
81	OHX	AR	3553	-	0,6,6	-	-	-		
81	OHX	A	1932	-	0,6,6	-	-	-		
81	OHX	AR	3573	-	0,6,6	-	-	-		
81	OHX	A	1919	-	0,6,6	-	-	-		
81	OHX	sR	1984	-	0,6,6	-	-	-		
81	OHX	A	2130	-	0,6,6	-	-	-		
81	OHX	AR	3427	-	0,6,6	-	-	-		
81	OHX	AR	3561	-	0,6,6	-	-	-		
81	OHX	1	3487	-	0,6,6	-	-	-		
81	OHX	AS	3501	-	0,6,6	-	-	-		
81	OHX	AR	3678	-	0,6,6	-	-	-		
81	OHX	AR	3597	-	0,6,6	-	-	-		
81	OHX	AR	3681	-	0,6,6	-	-	-		
81	OHX	AR	3535	-	0,6,6	-	-	-		
81	OHX	AR	3581	-	0,6,6	-	-	-		
81	OHX	AR	3503	-	0,6,6	-	-	-		
81	OHX	1	3458	-	0,6,6	-	-	-		
81	OHX	sR	1951	-	0,6,6	-	-	-		
81	OHX	1	3463	-	0,6,6	-	-	-		
81	OHX	1	4134	-	0,4,6	-	-	-		
81	OHX	1	4087	-	0,6,6	-	-	-		
81	OHX	AR	3444	-	0,6,6	-	-	-		
81	OHX	AR	3480	-	0,6,6	-	-	-		
81	OHX	sR	1935	-	0,6,6	-	-	-		
81	OHX	AR	3456	-	0,6,6	-	-	-		
81	OHX	AR	3529	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
81	OHX	1	3435	-	0,6,6	-	-	-		
81	OHX	sR	1918	-	0,6,6	-	-	-		
81	OHX	AR	3428	-	0,6,6	-	-	-		
81	OHX	1	3527	-	0,6,6	-	-	-		
81	OHX	AR	3629	-	0,6,6	-	-	-		
81	OHX	AR	3449	-	0,6,6	-	-	-		
81	OHX	sR	2014	-	0,6,6	-	-	-		
81	OHX	1	3430	-	0,6,6	-	-	-		
81	OHX	1	3523	-	0,6,6	-	-	-		
81	OHX	1	3465	-	0,6,6	-	-	-		
81	OHX	AT	201	-	0,6,6	-	-	-		
81	OHX	1	4130	-	0,6,6	-	-	-		
81	OHX	1	3478	-	0,6,6	-	-	-		
81	OHX	AR	3683	-	0,6,6	-	-	-		
81	OHX	AR	3494	-	0,6,6	-	-	-		
81	OHX	AR	3514	-	0,6,6	-	-	-		
81	OHX	sR	2028	-	0,6,6	-	-	-		
81	OHX	AR	3591	-	0,6,6	-	-	-		
81	OHX	AR	3539	-	0,6,6	-	-	-		
83	SPD	AR	4206	-	9,9,9	0.32	0	8,8,8	0.90	0
81	OHX	1	3493	-	0,6,6	-	-	-		
81	OHX	sR	1980	-	0,6,6	-	-	-		
81	OHX	AR	3635	-	0,6,6	-	-	-		
81	OHX	A	1907	-	0,6,6	-	-	-		
81	OHX	AR	3685	-	0,6,6	-	-	-		
81	OHX	A	1955	-	0,6,6	-	-	-		
81	OHX	1	3401	-	0,6,6	-	-	-		
81	OHX	1	4126	-	0,6,6	-	-	-		
81	OHX	AR	3626	-	0,6,6	-	-	-		
81	OHX	1	3449	-	0,6,6	-	-	-		
81	OHX	A	2125	-	0,6,6	-	-	-		
81	OHX	sR	1936	-	0,6,6	-	-	-		
81	OHX	AR	3569	-	0,6,6	-	-	-		
81	OHX	AR	3502	-	0,6,6	-	-	-		
81	OHX	sR	2011	-	0,6,6	-	-	-		
81	OHX	AR	3538	-	0,6,6	-	-	-		
81	OHX	A	1948	81	0,6,6	-	-	-		
81	OHX	1	4118	-	0,6,6	-	-	-		
81	OHX	AR	3559	-	0,6,6	-	-	-		
81	OHX	A	1906	-	0,6,6	-	-	-		
81	OHX	AR	3588	-	0,6,6	-	-	-		
81	OHX	r	304	-	0,6,6	-	-	-		
81	OHX	A	2137	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
81	OHX	1	4101	-	0,6,6	-	-	-		
81	OHX	AR	3404	-	0,6,6	-	-	-		
81	OHX	1	4089	-	0,6,6	-	-	-		
81	OHX	1	3555	-	0,6,6	-	-	-		
81	OHX	1	4143	-	0,6,6	-	-	-		
81	OHX	AR	3687[A]	-	0,6,6	-	-	-		
81	OHX	sR	2000	-	0,6,6	-	-	-		
81	OHX	1	3440	-	0,6,6	-	-	-		
81	OHX	AR	3644	-	0,6,6	-	-	-		
81	OHX	sR	1922	-	0,6,6	-	-	-		
81	OHX	AR	3610	-	0,6,6	-	-	-		
81	OHX	sR	1979	-	0,6,6	-	-	-		
81	OHX	sR	2013	-	0,6,6	-	-	-		
81	OHX	1	4135	-	0,6,6	-	-	-		
81	OHX	AR	3672	-	0,6,6	-	-	-		
81	OHX	1	3520	-	0,6,6	-	-	-		
81	OHX	1	3469	-	0,6,6	-	-	-		
81	OHX	AR	3420	-	0,6,6	-	-	-		
81	OHX	CG	302	-	0,6,6	-	-	-		
81	OHX	1	3504	-	0,6,6	-	-	-		
81	OHX	CL	302[A]	-	0,6,6	-	-	-		
81	OHX	1	3424	-	0,6,6	-	-	-		
81	OHX	AR	3499	-	0,6,6	-	-	-		
81	OHX	sR	1955	-	0,6,6	-	-	-		
81	OHX	AR	3648	-	0,6,6	-	-	-		
81	OHX	1	3592	-	0,6,6	-	-	-		
81	OHX	4	206	-	0,6,6	-	-	-		
81	OHX	1	4113	-	0,6,6	-	-	-		
81	OHX	1	3436	-	0,6,6	-	-	-		
81	OHX	1	3507	-	0,6,6	-	-	-		
81	OHX	AR	3403	-	0,6,6	-	-	-		
81	OHX	1	3483	-	0,6,6	-	-	-		
81	OHX	1	4088	-	0,6,6	-	-	-		
81	OHX	AR	3574	-	0,6,6	-	-	-		
81	OHX	AS	3510	-	0,6,6	-	-	-		
81	OHX	A	1959	-	0,6,6	-	-	-		
81	OHX	A	1967	-	0,6,6	-	-	-		
81	OHX	AR	3608	-	0,6,6	-	-	-		
81	OHX	sR	1954	-	0,6,6	-	-	-		
81	OHX	1	3427	-	0,6,6	-	-	-		
81	OHX	sR	1961	-	0,6,6	-	-	-		
81	OHX	A	1905	-	0,6,6	-	-	-		
81	OHX	sR	1953	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
81	OHX	A	1945	-	0,6,6	-	-	-		
81	OHX	AR	3518	-	0,6,6	-	-	-		
81	OHX	AR	4179	-	0,6,6	-	-	-		
81	OHX	1	3610	-	0,6,6	-	-	-		
81	OHX	1	3524	-	0,6,6	-	-	-		
81	OHX	A	1912	-	0,6,6	-	-	-		
81	OHX	A	1969	-	0,6,6	-	-	-		
81	OHX	AR	3642	-	0,6,6	-	-	-		
81	OHX	1	3585	-	0,6,6	-	-	-		
81	OHX	1	4115	-	0,6,6	-	-	-		
81	OHX	AR	3527	-	0,6,6	-	-	-		
81	OHX	AR	4198	-	0,6,6	-	-	-		
81	OHX	AR	4199	-	0,6,6	-	-	-		
81	OHX	1	3565	-	0,6,6	-	-	-		
81	OHX	AR	3455	-	0,6,6	-	-	-		
81	OHX	AR	3666	-	0,6,6	-	-	-		
81	OHX	AR	3595	-	0,6,6	-	-	-		
81	OHX	AR	3424	-	0,6,6	-	-	-		
81	OHX	A	2111	-	0,6,6	-	-	-		
81	OHX	AR	3558	-	0,6,6	-	-	-		
81	OHX	A	1944	-	0,6,6	-	-	-		
81	OHX	A	1935	-	0,6,6	-	-	-		
81	OHX	1	3402	-	0,6,6	-	-	-		
81	OHX	1	3499	-	0,6,6	-	-	-		
81	OHX	1	3457	-	0,6,6	-	-	-		
81	OHX	AG	202	-	0,6,6	-	-	-		
81	OHX	1	3485[A]	-	0,6,6	-	-	-		
81	OHX	1	4128	-	0,6,6	-	-	-		
81	OHX	A	1960	-	0,6,6	-	-	-		
81	OHX	sR	1942	-	0,6,6	-	-	-		
81	OHX	sR	1934	-	0,6,6	-	-	-		
81	OHX	sR	1968	-	0,6,6	-	-	-		
81	OHX	1	3599	-	0,6,6	-	-	-		
81	OHX	1	3476	-	0,6,6	-	-	-		
81	OHX	1	3612	-	0,6,6	-	-	-		
81	OHX	AR	3566	-	0,6,6	-	-	-		
81	OHX	AR	3676	-	0,6,6	-	-	-		
81	OHX	sR	2001	-	0,6,6	-	-	-		
81	OHX	1	3474	-	0,6,6	-	-	-		
81	OHX	sR	1959	-	0,6,6	-	-	-		
81	OHX	A	2113	-	0,6,6	-	-	-		
81	OHX	AR	3674	-	0,6,6	-	-	-		
81	OHX	4	207	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
81	OHX	sR	2017	-	0,6,6	-	-	-		
81	OHX	1	3451	-	0,6,6	-	-	-		
81	OHX	4	202	-	0,6,6	-	-	-		
81	OHX	sR	1921	-	0,6,6	-	-	-		
81	OHX	4	201	-	0,6,6	-	-	-		
81	OHX	1	4139	-	0,6,6	-	-	-		
81	OHX	AT	214	-	0,6,6	-	-	-		
81	OHX	AR	3624	-	0,6,6	-	-	-		
81	OHX	1	3446	-	0,6,6	-	-	-		
81	OHX	AR	3593	-	0,6,6	-	-	-		
81	OHX	AR	3609	-	0,6,6	-	-	-		
81	OHX	1	3479	-	0,6,6	-	-	-		
81	OHX	AS	3508	-	0,6,6	-	-	-		
81	OHX	AS	3509	-	0,6,6	-	-	-		
81	OHX	sR	1939	-	0,6,6	-	-	-		
81	OHX	sR	1983	-	0,6,6	-	-	-		
81	OHX	A	1916	-	0,6,6	-	-	-		
81	OHX	1	3443	-	0,6,6	-	-	-		
81	OHX	sR	2173	-	0,6,6	-	-	-		
81	OHX	1	3560	-	0,6,6	-	-	-		
81	OHX	AR	3422	-	0,6,6	-	-	-		
81	OHX	sR	1997	-	0,6,6	-	-	-		
81	OHX	sR	1993	-	0,6,6	-	-	-		
81	OHX	AR	3469	-	0,6,6	-	-	-		
81	OHX	sR	2175	-	0,6,6	-	-	-		
81	OHX	A	2136	-	0,6,6	-	-	-		
81	OHX	sR	1978	-	0,6,6	-	-	-		
81	OHX	sR	1941	-	0,6,6	-	-	-		
81	OHX	1	3445	-	0,6,6	-	-	-		
81	OHX	1	3549	-	0,6,6	-	-	-		
81	OHX	DK	201	-	0,6,6	-	-	-		
81	OHX	sR	1965	-	0,6,6	-	-	-		
81	OHX	1	3519[B]	-	0,6,6	-	-	-		
81	OHX	A	1972	-	0,6,6	-	-	-		
81	OHX	sR	1957	-	0,6,6	-	-	-		
81	OHX	sR	1962	-	0,6,6	-	-	-		
81	OHX	1	4094	-	0,6,6	-	-	-		
81	OHX	AR	3459	-	0,6,6	-	-	-		
81	OHX	s4	301	-	0,6,6	-	-	-		
81	OHX	4	205	-	0,6,6	-	-	-		
81	OHX	AR	3622	-	0,6,6	-	-	-		
81	OHX	AR	4200	-	0,6,6	-	-	-		
81	OHX	1	3583	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
81	OHX	1	3609	-	0,6,6	-	-	-		
81	OHX	1	4071	-	0,6,6	-	-	-		
81	OHX	U	201	-	0,6,6	-	-	-		
81	OHX	1	3511	-	0,6,6	-	-	-		
81	OHX	1	3605	-	0,6,6	-	-	-		
81	OHX	s1	301	-	0,6,6	-	-	-		
81	OHX	1	3553	-	0,6,6	-	-	-		
81	OHX	sR	2007	-	0,6,6	-	-	-		
81	OHX	sR	2024	-	0,6,6	-	-	-		
81	OHX	AR	3547	-	0,6,6	-	-	-		
81	OHX	sR	1925	-	0,6,6	-	-	-		
81	OHX	AR	3521	-	0,6,6	-	-	-		
81	OHX	AR	3484	-	0,6,6	-	-	-		
81	OHX	A	1910	-	0,6,6	-	-	-		
81	OHX	1	4106	-	0,6,6	-	-	-		
81	OHX	1	3602	-	0,6,6	-	-	-		
81	OHX	AR	4196	-	0,6,6	-	-	-		
81	OHX	sR	1916[A]	-	0,6,6	-	-	-		
81	OHX	1	4114	-	0,6,6	-	-	-		
81	OHX	4	213	-	0,6,6	-	-	-		
81	OHX	AR	3425	-	0,6,6	-	-	-		
81	OHX	1	4127	-	0,6,6	-	-	-		
81	OHX	sR	2027	-	0,6,6	-	-	-		
81	OHX	AR	4175	-	0,6,6	-	-	-		
81	OHX	AR	3589	-	0,5,6	-	-	-		
81	OHX	A	2107	-	0,6,6	-	-	-		
81	OHX	A	1954	-	0,6,6	-	-	-		
81	OHX	A	1920	-	0,6,6	-	-	-		
81	OHX	AP	502	-	0,6,6	-	-	-		

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

Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
84	XBI	1	4157	-	-	0/8/60/60	0/3/3/3
84	XBI	AR	4222	-	-	2/8/60/60	0/3/3/3
83	SPD	AR	4206	-	-	0/7/7/7	-
83	SPD	1	4144	-	-	0/7/7/7	-

All (1) bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
84	AR	4222	XBI	C1-C10	-2.57	1.52	1.56

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

Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
84	1	4157	XBI	C1-C10-C5	-8.72	106.84	116.78
84	AR	4222	XBI	C1-C10-C5	-6.70	109.14	116.78
84	1	4157	XBI	C21-C1-C2	-4.51	100.89	109.44
84	1	4157	XBI	C2-C1-C10	4.46	112.89	108.81
84	AR	4222	XBI	C2-C1-C10	4.24	112.69	108.81

There are no chirality outliers.

All (2) torsion outliers are listed below:

Mol	Chain	Res	Type	Atoms
84	AR	4222	XBI	C6-C13-C14-O3
84	AR	4222	XBI	C6-C13-C14-C15

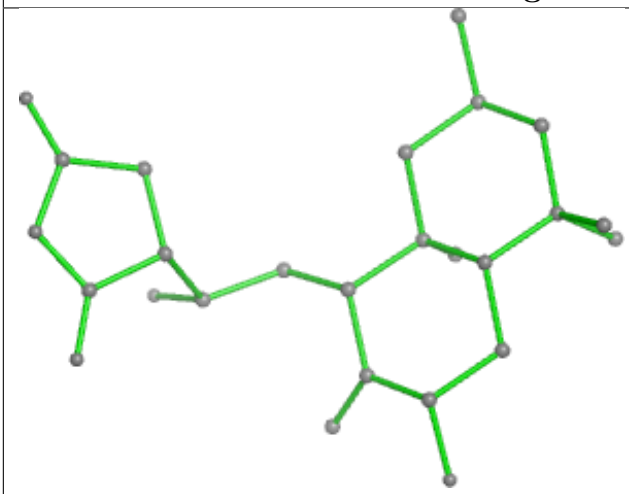
There are no ring outliers.

2 monomers are involved in 2 short contacts:

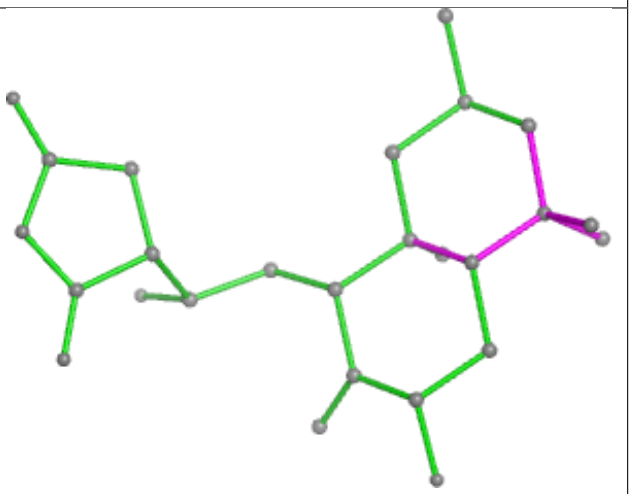
Mol	Chain	Res	Type	Clashes	Symm-Clashes
81	T	201	OHX	0	1
81	CK	201	OHX	0	1

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

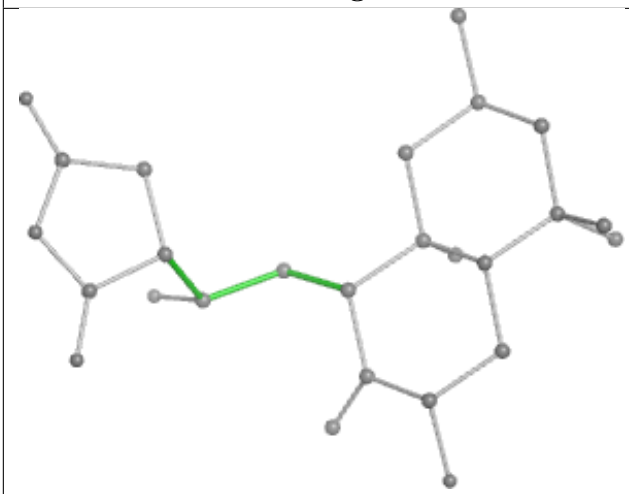
Ligand XBI 1 4157



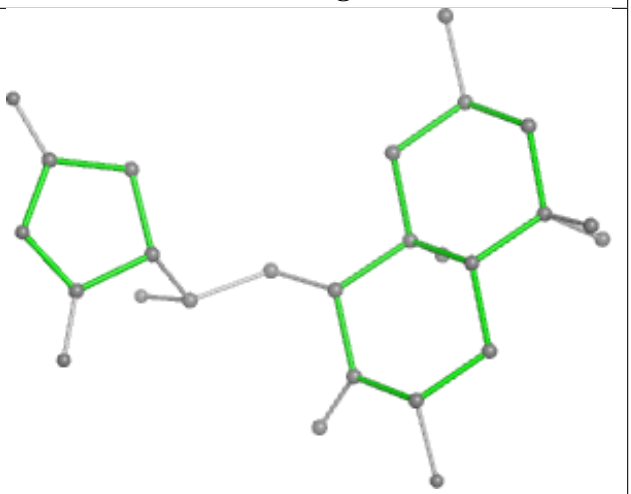
Bond lengths



Bond angles

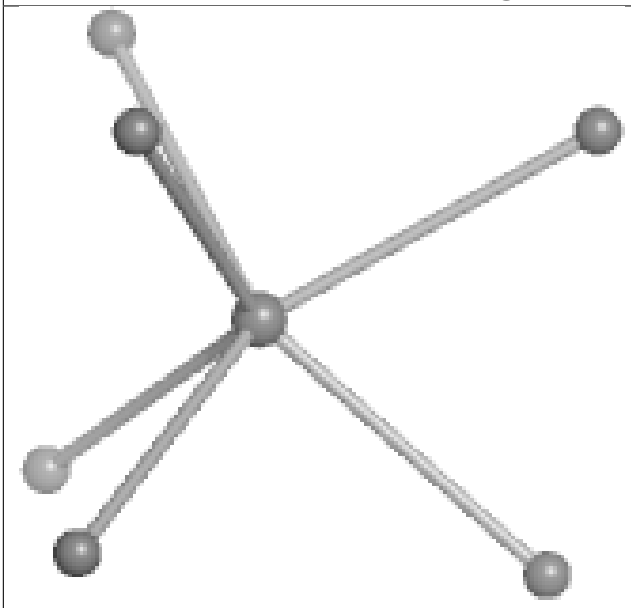


Torsions

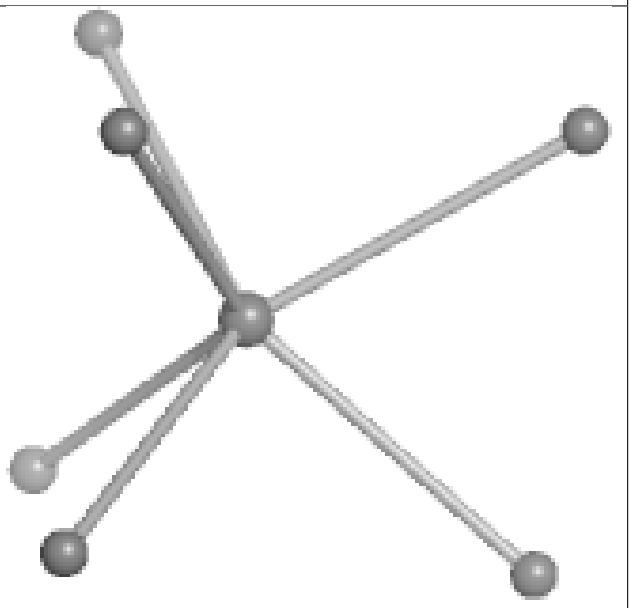


Rings

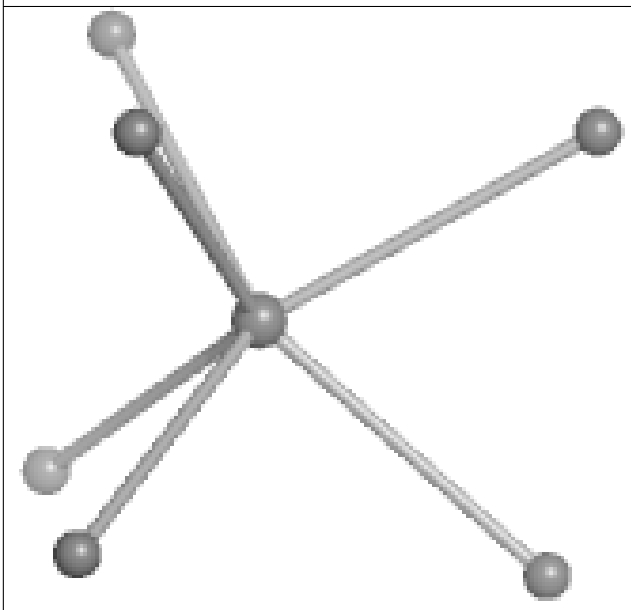
Ligand OHX AR 4202



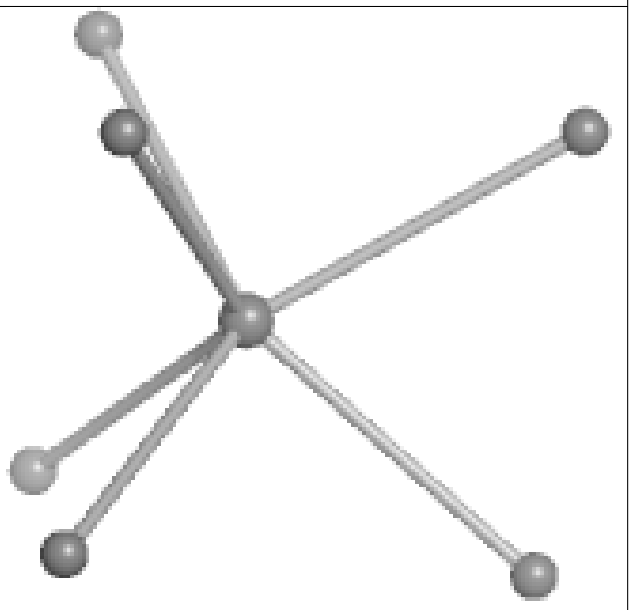
Bond lengths



Bond angles

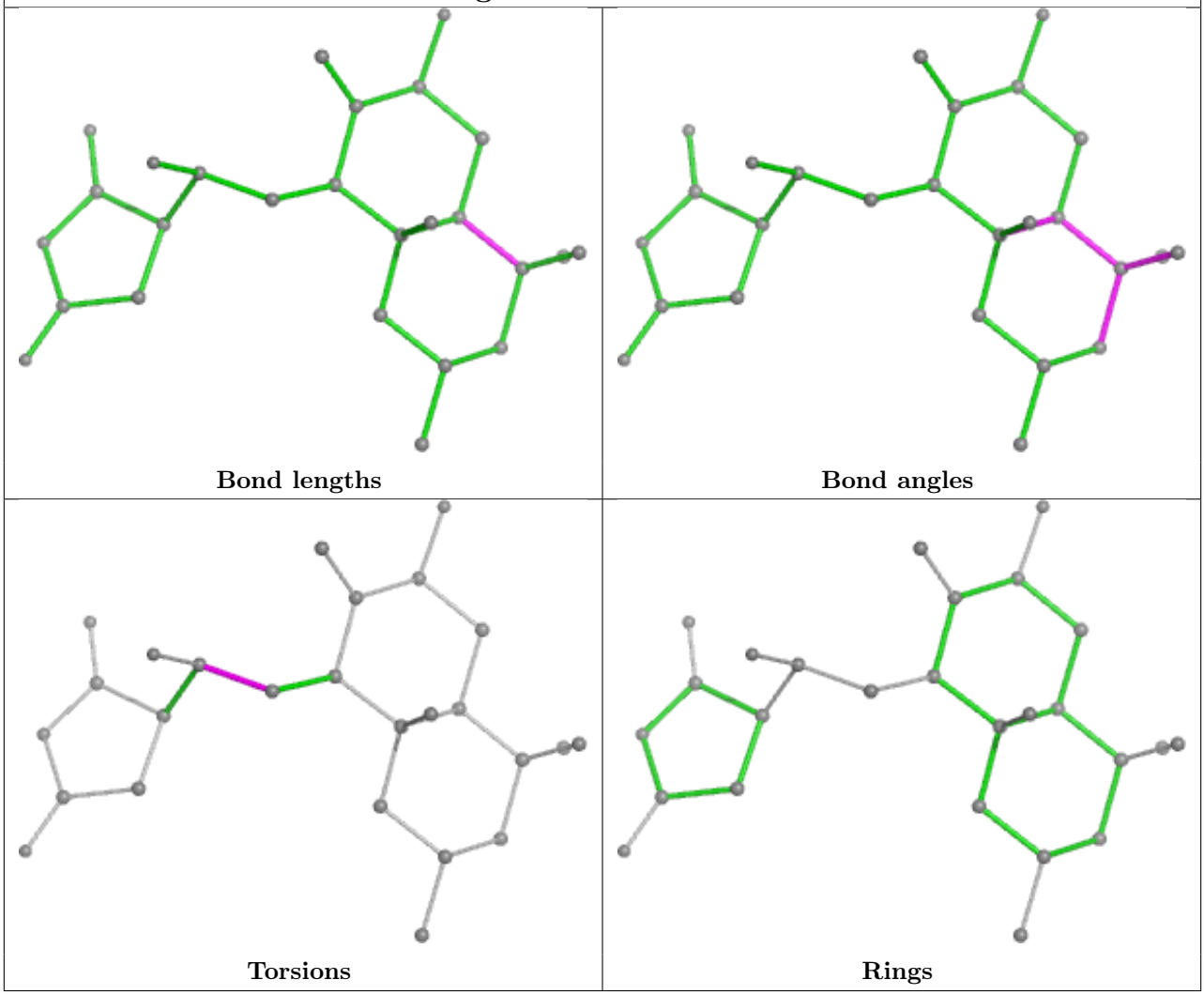


Torsions



Rings

Ligand XBI AR 4222



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
1	1	3
1	AR	1
58	c0	1
47	A	1

The worst 5 of 6 chain breaks are listed below:

Model	Chain	Residue-1	Atom-1	Residue-2	Atom-2	Distance (Å)
1	1	1955:U	O3'	2093:A	P	26.04
1	AR	1955:U	O3'	2093:A	P	23.44
1	1	2445:A	O3'	2501:U	P	15.18
1	1	440:A	O3'	494:G	P	12.11
1	c0	84:GLU	C	87:HIS	N	8.58

6 Fit of model and data

6.1 Protein, DNA and RNA chains

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

Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å^2)	Q<0.9
1	1	3149/3149 (100%)	0.05	41 (1%) 74 69	42, 64, 172, 261	0
1	AR	3130/3149 (99%)	0.05	48 (1%) 71 66	42, 61, 152, 267	0
2	3	121/121 (100%)	-0.22	0 100 100	48, 75, 93, 135	0
2	AS	121/121 (100%)	-0.16	2 (1%) 69 63	46, 63, 79, 140	0
3	4	158/158 (100%)	-0.06	0 100 100	49, 65, 122, 208	0
3	AT	158/158 (100%)	0.04	4 (2%) 58 52	50, 69, 137, 200	0
4	CD	252/254 (99%)	0.67	20 (7%) 20 17	43, 65, 89, 158	0
4	j	252/254 (99%)	0.64	14 (5%) 31 27	44, 65, 88, 138	0
5	CE	386/387 (99%)	0.27	10 (2%) 57 51	42, 56, 82, 140	0
5	k	386/387 (99%)	0.49	17 (4%) 39 33	45, 65, 93, 152	0
6	CF	361/362 (99%)	0.40	10 (2%) 55 49	41, 64, 92, 129	0
6	l	361/362 (99%)	0.42	19 (5%) 33 28	42, 61, 94, 143	0
7	CG	292/297 (98%)	0.38	16 (5%) 32 27	50, 69, 111, 165	0
7	m	296/297 (99%)	0.54	22 (7%) 22 19	55, 83, 133, 174	0
8	CH	156/176 (88%)	0.47	9 (5%) 30 26	48, 66, 103, 152	0
8	n	156/176 (88%)	0.26	1 (0%) 85 82	48, 64, 99, 136	0
9	CI	222/244 (90%)	0.26	4 (1%) 67 61	45, 56, 100, 175	0
9	o	222/244 (90%)	0.23	7 (3%) 50 44	46, 58, 103, 167	0
10	CJ	226/256 (88%)	1.10	36 (15%) 6 5	66, 95, 135, 157	0
10	p	233/256 (91%)	0.67	11 (4%) 37 31	59, 85, 144, 180	0
11	CK	191/191 (100%)	0.23	7 (3%) 45 39	48, 63, 97, 172	0
11	q	191/191 (100%)	0.56	13 (6%) 25 21	52, 75, 108, 169	0
12	CL	211/221 (95%)	0.61	18 (8%) 18 15	45, 67, 104, 151	0
12	r	211/221 (95%)	0.53	17 (8%) 19 16	47, 66, 119, 154	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å^2)	Q<0.9
13	CM	169/174 (97%)	0.58	12 (7%) 23 20	52, 73, 102, 134	0
13	s	169/174 (97%)	0.59	9 (5%) 33 28	64, 88, 116, 159	0
14	CN	193/199 (96%)	0.61	15 (7%) 20 18	44, 74, 128, 176	0
14	t	193/199 (96%)	0.51	16 (8%) 19 16	44, 70, 120, 170	0
15	CO	136/138 (98%)	0.36	11 (8%) 19 16	49, 62, 93, 136	0
15	u	136/138 (98%)	0.32	7 (5%) 34 29	51, 67, 97, 143	0
16	CP	203/204 (99%)	0.74	12 (5%) 29 25	44, 68, 86, 99	0
16	v	203/204 (99%)	0.51	5 (2%) 58 52	43, 62, 78, 94	0
17	CQ	197/199 (98%)	0.23	11 (5%) 31 27	42, 51, 91, 145	0
17	w	197/199 (98%)	0.23	5 (2%) 58 52	45, 57, 88, 129	0
18	CR	155/184 (84%)	0.20	3 (1%) 66 60	42, 56, 75, 147	0
18	x	183/184 (99%)	0.40	9 (4%) 36 30	44, 59, 139, 174	0
19	CS	185/186 (99%)	0.27	6 (3%) 50 44	46, 64, 85, 105	0
19	y	185/186 (99%)	0.54	16 (8%) 18 15	46, 60, 77, 107	0
20	CT	188/189 (99%)	0.74	22 (11%) 10 9	51, 76, 151, 201	0
20	z	177/189 (93%)	0.68	12 (6%) 25 21	59, 80, 137, 166	0
21	0	172/172 (100%)	0.37	11 (6%) 27 22	49, 63, 94, 160	0
21	CU	172/172 (100%)	0.13	4 (2%) 61 54	46, 58, 84, 124	0
22	2	159/160 (99%)	0.81	18 (11%) 11 10	46, 65, 114, 157	0
22	CV	159/160 (99%)	0.64	17 (10%) 12 11	45, 59, 113, 181	0
23	5	100/121 (82%)	0.84	10 (10%) 14 12	82, 114, 148, 169	0
23	CW	100/121 (82%)	1.02	18 (18%) 4 4	76, 103, 152, 166	0
24	6	136/137 (99%)	0.67	15 (11%) 12 10	46, 65, 101, 133	0
24	CX	136/137 (99%)	0.38	8 (5%) 29 25	43, 56, 89, 145	0
25	7	65/155 (41%)	0.69	7 (10%) 12 11	58, 71, 99, 156	0
25	CY	111/155 (71%)	0.70	9 (8%) 19 16	48, 77, 130, 146	0
26	8	121/142 (85%)	0.53	8 (6%) 26 22	56, 75, 108, 147	0
26	CZ	117/142 (82%)	0.57	7 (5%) 29 24	55, 79, 104, 131	0
27	9	126/127 (99%)	0.35	3 (2%) 59 53	47, 68, 96, 124	0
27	DA	124/127 (97%)	0.55	8 (6%) 26 22	48, 72, 97, 150	0
28	AA	135/136 (99%)	0.63	7 (5%) 34 28	77, 100, 132, 176	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å^2)	Q<0.9
28	DB	135/136 (99%)	0.98	12 (8%) 17 14	76, 107, 148, 162	0
29	AB	148/149 (99%)	0.45	7 (4%) 37 31	42, 61, 93, 134	0
29	DC	148/149 (99%)	0.37	7 (4%) 37 31	42, 62, 95, 133	0
30	AC	58/59 (98%)	0.60	6 (10%) 13 12	45, 69, 128, 143	0
30	DD	58/59 (98%)	0.70	8 (13%) 8 7	44, 66, 110, 141	0
31	AD	97/105 (92%)	0.40	3 (3%) 51 46	73, 98, 134, 147	0
31	DE	97/105 (92%)	0.65	5 (5%) 34 28	74, 95, 132, 156	0
32	AE	109/113 (96%)	0.87	13 (11%) 10 9	54, 78, 137, 166	0
32	DF	109/113 (96%)	0.39	4 (3%) 45 39	48, 66, 144, 175	0
33	AF	127/130 (97%)	0.36	5 (3%) 44 37	43, 54, 74, 140	0
33	DG	127/130 (97%)	0.26	3 (2%) 59 53	42, 57, 82, 125	0
34	AG	106/107 (99%)	0.22	3 (2%) 55 49	45, 55, 73, 89	0
34	DH	106/107 (99%)	0.40	7 (6%) 26 22	44, 54, 82, 124	0
35	AH	111/121 (91%)	0.92	12 (10%) 12 11	53, 79, 123, 171	0
35	DI	112/121 (92%)	1.05	24 (21%) 3 3	54, 78, 140, 163	0
36	AI	119/120 (99%)	0.58	8 (6%) 25 21	51, 75, 99, 126	0
36	DJ	119/120 (99%)	0.61	5 (4%) 41 35	59, 81, 109, 126	0
37	AJ	96/100 (96%)	0.61	5 (5%) 34 28	59, 77, 112, 127	0
37	DK	99/100 (99%)	0.95	12 (12%) 10 9	67, 85, 141, 167	0
38	AK	87/88 (98%)	0.46	7 (8%) 20 17	44, 57, 76, 153	0
38	DL	86/88 (97%)	0.44	2 (2%) 61 54	44, 59, 93, 117	0
39	AL	77/78 (98%)	0.76	5 (6%) 26 22	68, 104, 135, 159	0
39	DM	77/78 (98%)	0.81	7 (9%) 16 14	73, 102, 142, 150	0
40	AM	50/51 (98%)	0.82	7 (14%) 7 6	46, 66, 81, 101	0
40	DN	50/51 (98%)	0.65	5 (10%) 14 12	49, 67, 84, 93	0
41	AN	52/128 (40%)	0.34	3 (5%) 30 26	52, 68, 98, 136	0
41	DO	52/128 (40%)	0.14	3 (5%) 30 26	45, 55, 82, 113	0
42	AO	25/25 (100%)	1.04	2 (8%) 20 17	58, 72, 87, 96	0
42	DP	25/25 (100%)	0.94	4 (16%) 6 5	52, 65, 82, 99	0
43	AP	105/106 (99%)	0.60	14 (13%) 8 7	44, 65, 105, 154	0
43	DQ	105/106 (99%)	0.48	9 (8%) 18 15	45, 64, 99, 146	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å^2)	Q<0.9
44	AQ	91/92 (98%)	0.58	5 (5%) 32 27	51, 72, 104, 130	0
44	DR	91/92 (98%)	0.56	7 (7%) 21 18	45, 71, 101, 128	0
45	i	142/273 (52%)	1.40	39 (27%) 2 2	54, 108, 165, 189	0
45	sM	63/273 (23%)	1.09	8 (12%) 9 8	49, 113, 154, 172	0
46	p0	126/312 (40%)	1.14	26 (20%) 3 3	83, 121, 151, 164	0
47	A	1741/1800 (96%)	0.31	48 (2%) 55 49	60, 94, 198, 266	0
47	sR	1783/1800 (99%)	0.24	50 (2%) 55 49	48, 86, 204, 258	0
48	B	206/252 (81%)	1.29	47 (22%) 2 2	94, 123, 157, 175	0
48	s0	206/252 (81%)	0.94	24 (11%) 10 9	71, 104, 140, 166	0
49	C	214/255 (83%)	1.28	44 (20%) 3 3	88, 139, 176, 208	0
49	s1	216/255 (84%)	0.55	15 (6%) 24 20	62, 92, 127, 173	0
50	D	217/254 (85%)	1.05	28 (12%) 9 7	74, 100, 139, 161	0
50	s2	217/254 (85%)	1.03	33 (15%) 6 5	60, 86, 125, 150	0
51	E	223/240 (92%)	0.97	30 (13%) 8 7	76, 105, 151, 190	0
51	s3	223/240 (92%)	1.21	42 (18%) 4 3	79, 118, 157, 179	0
52	F	260/261 (99%)	1.12	41 (15%) 6 5	71, 99, 135, 156	0
52	s4	260/261 (99%)	0.78	18 (6%) 24 20	59, 86, 117, 165	0
53	G	206/225 (91%)	1.07	31 (15%) 6 6	85, 127, 162, 184	0
53	s5	198/225 (88%)	1.34	39 (19%) 3 3	79, 117, 155, 187	0
54	H	226/236 (95%)	1.59	65 (28%) 1 2	62, 106, 150, 167	0
54	s6	218/236 (92%)	1.04	38 (17%) 5 4	59, 89, 132, 167	0
55	I	184/190 (96%)	0.99	19 (10%) 13 12	81, 127, 165, 181	0
55	s7	186/190 (97%)	1.11	26 (13%) 7 6	67, 115, 162, 187	0
56	J	188/200 (94%)	0.94	24 (12%) 9 7	61, 85, 125, 161	0
56	s8	188/200 (94%)	1.36	43 (22%) 2 2	54, 82, 137, 160	0
57	K	185/197 (93%)	1.09	33 (17%) 4 4	76, 107, 162, 208	0
57	s9	185/197 (93%)	0.91	27 (14%) 7 6	63, 90, 137, 169	0
58	L	96/105 (91%)	1.36	29 (30%) 1 1	75, 117, 166, 171	0
58	c0	96/105 (91%)	1.53	31 (32%) 1 1	100, 135, 173, 187	0
59	M	142/156 (91%)	0.73	14 (9%) 14 12	62, 82, 122, 162	0
59	c1	146/156 (93%)	0.93	19 (13%) 9 7	53, 79, 143, 178	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å^2)	Q<0.9
60	N	124/143 (86%)	1.20	25 (20%) 3 3	117, 157, 185, 202	0
61	O	150/151 (99%)	0.76	11 (7%) 22 19	64, 102, 130, 150	0
61	c3	150/151 (99%)	0.55	4 (2%) 56 50	59, 88, 115, 143	0
62	P	127/138 (92%)	1.48	29 (22%) 2 2	68, 135, 165, 189	0
62	c4	127/138 (92%)	0.87	17 (13%) 8 7	58, 96, 127, 165	0
63	Q	124/142 (87%)	1.23	23 (18%) 4 3	78, 102, 158, 195	0
63	c5	135/142 (95%)	1.29	30 (22%) 3 2	84, 116, 163, 181	0
64	R	141/143 (98%)	1.43	36 (25%) 2 2	80, 113, 139, 169	0
64	c6	142/143 (99%)	1.70	42 (29%) 1 1	66, 112, 155, 176	0
65	S	120/136 (88%)	1.16	23 (19%) 4 3	77, 124, 162, 183	0
65	c7	117/136 (86%)	0.96	17 (14%) 7 6	74, 110, 153, 198	0
66	T	145/146 (99%)	0.87	16 (11%) 12 10	67, 113, 158, 173	0
66	c8	145/146 (99%)	0.98	17 (11%) 10 9	79, 110, 154, 173	0
67	U	143/144 (99%)	1.38	35 (24%) 2 2	80, 114, 147, 173	0
67	c9	143/144 (99%)	0.77	12 (8%) 18 16	72, 105, 138, 181	0
68	V	96/121 (79%)	2.05	41 (42%) 1 1	71, 116, 155, 164	0
68	d0	89/121 (73%)	1.44	22 (24%) 2 2	67, 116, 163, 173	0
69	W	87/87 (100%)	0.99	12 (13%) 8 7	83, 113, 146, 175	0
69	d1	87/87 (100%)	0.88	8 (9%) 16 14	66, 93, 123, 155	0
70	X	129/130 (99%)	0.87	15 (11%) 11 9	71, 96, 116, 132	0
70	d2	129/130 (99%)	0.72	6 (4%) 37 31	56, 76, 94, 109	0
71	Y	144/145 (99%)	1.18	26 (18%) 4 4	60, 80, 115, 143	0
71	d3	144/145 (99%)	0.86	20 (13%) 7 6	51, 68, 89, 135	0
72	Z	134/135 (99%)	0.99	13 (9%) 15 12	69, 113, 151, 174	0
72	d4	134/135 (99%)	0.90	21 (15%) 6 5	62, 93, 135, 177	0
73	a	70/108 (64%)	1.11	9 (12%) 9 7	106, 141, 171, 181	0
73	d5	69/108 (63%)	1.09	8 (11%) 11 9	96, 133, 168, 187	0
74	b	97/119 (81%)	1.29	19 (19%) 4 3	78, 108, 171, 186	0
74	d6	97/119 (81%)	0.79	10 (10%) 13 12	54, 76, 134, 150	0
75	c	81/82 (98%)	0.91	10 (12%) 9 8	81, 114, 161, 183	0
75	d7	81/82 (98%)	0.69	5 (6%) 28 23	59, 96, 159, 171	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å^2)	Q<0.9
76	d	63/67 (94%)	1.08	5 (7%) 20 17	89, 140, 163, 180	0
76	d8	63/67 (94%)	1.35	13 (20%) 3 3	98, 133, 167, 192	0
77	d9	53/56 (94%)	1.25	12 (22%) 3 2	78, 93, 137, 161	0
77	e	53/56 (94%)	0.80	6 (11%) 11 10	71, 90, 110, 163	0
78	e0	62/63 (98%)	0.98	9 (14%) 7 6	60, 97, 155, 171	0
78	f	60/63 (95%)	0.88	7 (11%) 10 9	67, 112, 157, 176	0
79	e1	51/152 (33%)	1.85	19 (37%) 1 1	121, 163, 186, 196	0
79	g	71/152 (46%)	1.32	17 (23%) 2 2	97, 150, 181, 218	0
80	Rb	318/319 (99%)	1.20	60 (18%) 4 3	91, 134, 165, 194	0
80	h	318/319 (99%)	1.31	67 (21%) 3 3	84, 123, 162, 199	0
All	All	32652/34933 (93%)	0.57	2624 (8%) 20 17	41, 80, 154, 267	0

The worst 5 of 2624 RSRZ outliers are listed below:

Mol	Chain	Res	Type	RSRZ
12	r	112	GLN	9.3
64	c6	141	SER	8.8
45	i	88	ARG	8.8
54	H	79	LYS	8.6
50	s2	92	ALA	8.4

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

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

6.3 Carbohydrates (i)

There are no monosaccharides in this entry.

6.4 Ligands (i)

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

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
82	MG	A	2086	1/1	0.23	0.26	128,128,128,128	0
82	MG	sR	2131	1/1	0.42	0.25	90,90,90,90	0
82	MG	A	2020	1/1	0.45	0.25	104,104,104,104	0
82	MG	AR	3768	1/1	0.50	0.65	104,104,104,104	0
82	MG	1	3683	1/1	0.50	0.38	79,79,79,79	0
81	OHX	1	3582	7/7	0.51	0.24	260,263,270,343	0
82	MG	1	3962	1/1	0.51	0.26	107,107,107,107	0
82	MG	1	4016	1/1	0.52	0.26	89,89,89,89	0
82	MG	A	2072	1/1	0.52	0.39	109,109,109,109	0
81	OHX	4	214	7/7	0.54	0.17	208,216,218,304	0
82	MG	A	2036	1/1	0.55	0.36	85,85,85,85	0
82	MG	1	4057	1/1	0.55	0.30	89,89,89,89	0
82	MG	A	2051	1/1	0.57	0.27	97,97,97,97	0
82	MG	sR	2161	1/1	0.57	0.34	87,87,87,87	0
82	MG	AR	4115	1/1	0.59	0.14	86,86,86,86	0
82	MG	AR	3922	1/1	0.59	0.36	82,82,82,82	0
82	MG	sR	2121	1/1	0.59	0.27	98,98,98,98	0
82	MG	AR	3994	1/1	0.59	0.13	85,85,85,85	0
82	MG	AR	4034	1/1	0.59	0.16	117,117,117,117	0
82	MG	AR	3715	1/1	0.60	0.34	93,93,93,93	0
82	MG	A	2076	1/1	0.60	0.20	91,91,91,91	0
82	MG	A	2008	1/1	0.61	0.37	102,102,102,102	0
82	MG	AR	3960	1/1	0.62	0.21	83,83,83,83	0
81	OHX	AR	4195	7/7	0.62	0.16	253,261,266,349	0
82	MG	1	4070	1/1	0.63	0.35	91,91,91,91	0
81	OHX	1	4133	7/7	0.63	0.16	232,246,250,329	0
82	MG	AS	3525	1/1	0.63	0.21	87,87,87,87	0
82	MG	A	2085	1/1	0.63	0.19	102,102,102,102	0
82	MG	1	3949	1/1	0.64	0.40	78,78,78,78	0
81	OHX	4	202	7/7	0.64	0.17	225,236,247,324	0
81	OHX	AR	3634	7/7	0.64	0.18	237,250,262,351	0
82	MG	1	3764	1/1	0.65	0.40	102,102,102,102	0
82	MG	A	2087	1/1	0.65	0.24	100,100,100,100	0
82	MG	sR	2119	1/1	0.65	0.18	97,97,97,97	0
82	MG	1	4015	1/1	0.65	0.38	87,87,87,87	0
82	MG	AR	3755	1/1	0.65	0.41	88,88,88,88	0
82	MG	AR	4140	1/1	0.65	0.21	50,50,50,50	0
82	MG	d4	202	1/1	0.65	0.20	92,92,92,92	0
81	OHX	AR	3630	7/7	0.66	0.23	176,186,198,288	0
82	MG	1	3973	1/1	0.66	0.20	79,79,79,79	0
81	OHX	1	3602	7/7	0.66	0.20	265,272,280,365	0
81	OHX	sR	1986	7/7	0.67	0.16	201,206,214,287	0
81	OHX	AR	3681	7/7	0.68	0.17	203,212,225,308	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
81	OHX	sR	2023	7/7	0.68	0.17	216,226,238,304	0
82	MG	AR	3748	1/1	0.68	0.34	63,63,63,63	0
82	MG	sR	2150	1/1	0.68	0.19	73,73,73,73	0
82	MG	A	2045	1/1	0.68	0.30	85,85,85,85	0
82	MG	1	3948	1/1	0.68	0.23	79,79,79,79	0
82	MG	b	202	1/1	0.69	0.24	87,87,87,87	0
82	MG	AR	4010	1/1	0.69	0.32	57,57,57,57	0
81	OHX	sR	2169	7/7	0.69	0.16	183,189,200,280	0
82	MG	AR	4112	1/1	0.69	0.30	79,79,79,79	0
82	MG	sR	2145	1/1	0.69	0.15	99,99,99,99	0
82	MG	A	2027	1/1	0.69	0.22	96,96,96,96	0
81	OHX	1	3501	7/7	0.69	0.18	159,167,177,262	0
82	MG	AR	3740	1/1	0.69	0.40	64,64,64,64	0
81	OHX	AR	3638	7/7	0.70	0.22	163,176,191,270	0
82	MG	sR	2104	1/1	0.70	0.17	84,84,84,84	0
82	MG	A	2001	1/1	0.70	0.46	71,71,71,71	0
82	MG	A	2063	1/1	0.70	0.28	72,72,72,72	0
82	MG	AR	4051	1/1	0.70	0.16	96,96,96,96	0
82	MG	A	2012	1/1	0.70	0.29	68,68,68,68	0
82	MG	sR	2147	1/1	0.70	0.30	81,81,81,81	0
81	OHX	AR	3674	7/7	0.70	0.19	210,218,232,310	0
81	OHX	sR	2001	7/7	0.70	0.19	182,189,199,265	0
82	MG	c6	202	1/1	0.70	0.28	94,94,94,94	0
81	OHX	1	3611	7/7	0.70	0.17	218,226,239,311	0
81	OHX	AR	3653	7/7	0.71	0.17	227,234,240,302	0
81	OHX	AR	3673	7/7	0.71	0.13	211,212,225,296	0
82	MG	AR	3769	1/1	0.71	0.42	85,85,85,85	0
82	MG	AS	3517	1/1	0.71	0.19	79,79,79,79	0
81	OHX	1	3555	7/7	0.71	0.18	193,201,210,295	0
82	MG	1	4151	1/1	0.71	0.40	89,89,89,89	0
82	MG	6	202	1/1	0.71	0.32	96,96,96,96	0
81	OHX	sR	2168	7/7	0.71	0.17	228,237,241,321	0
81	OHX	1	3598	7/7	0.71	0.16	206,211,229,307	0
81	OHX	1	3613	7/7	0.71	0.15	192,202,210,278	0
82	MG	AR	3919	1/1	0.72	0.29	84,84,84,84	0
81	OHX	AR	3663	7/7	0.72	0.14	210,217,230,302	0
82	MG	1	4006	1/1	0.72	0.40	93,93,93,93	0
82	MG	AR	3971	1/1	0.72	0.39	84,84,84,84	0
81	OHX	1	3552	7/7	0.72	0.23	170,177,189,266	0
82	MG	1	3814	1/1	0.72	0.30	80,80,80,80	0
82	MG	AR	4020	1/1	0.72	0.29	79,79,79,79	0
82	MG	1	4017	1/1	0.72	0.33	77,77,77,77	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
82	MG	AR	3864	1/1	0.72	0.26	58,58,58,58	0
82	MG	AR	4097	1/1	0.72	0.45	82,82,82,82	0
81	OHX	1	3599	7/7	0.73	0.18	205,206,217,309	0
81	OHX	1	3584	7/7	0.73	0.15	184,203,208,281	0
82	MG	AR	4050	1/1	0.73	0.35	72,72,72,72	0
82	MG	1	3711	1/1	0.73	0.32	81,81,81,81	0
82	MG	AR	3865	1/1	0.73	0.41	49,49,49,49	0
82	MG	4	228	1/1	0.73	0.17	67,67,67,67	0
81	OHX	1	3615	7/7	0.73	0.19	228,238,250,339	0
81	OHX	x	209	7/7	0.73	0.12	218,231,243,322	0
82	MG	1	3860	1/1	0.73	0.31	65,65,65,65	0
81	OHX	AR	3683	7/7	0.73	0.20	209,223,235,333	0
82	MG	A	1998	1/1	0.73	0.32	74,74,74,74	0
82	MG	1	4051	1/1	0.73	0.26	85,85,85,85	0
82	MG	A	2095	1/1	0.74	0.32	76,76,76,76	0
82	MG	1	4020	1/1	0.74	0.36	88,88,88,88	0
82	MG	sR	2042	1/1	0.74	0.39	80,80,80,80	0
82	MG	1	3736	1/1	0.74	0.32	63,63,63,63	0
81	OHX	sR	2026	7/7	0.74	0.16	211,218,223,298	0
82	MG	AR	3764	1/1	0.74	0.28	80,80,80,80	0
82	MG	A	2062	1/1	0.74	0.12	82,82,82,82	0
82	MG	1	3992	1/1	0.74	0.50	102,102,102,102	0
81	OHX	AT	215	7/7	0.74	0.15	189,196,203,292	0
81	OHX	1	3610	7/7	0.74	0.13	253,257,270,345	0
81	OHX	1	3601	7/7	0.74	0.22	156,165,176,261	0
82	MG	AR	3886	1/1	0.74	0.22	75,75,75,75	0
81	OHX	1	3569	7/7	0.74	0.16	178,185,195,273	0
82	MG	1	3993	1/1	0.75	0.16	91,91,91,91	0
81	OHX	AS	3510	7/7	0.75	0.19	192,197,211,275	0
82	MG	t	202	1/1	0.75	0.26	86,86,86,86	0
81	OHX	3	222	7/7	0.75	0.12	222,231,235,310	0
82	MG	AR	4129	1/1	0.75	0.18	77,77,77,77	0
82	MG	AR	4131	1/1	0.75	0.17	82,82,82,82	0
81	OHX	AR	3684	7/7	0.75	0.12	203,215,220,304	0
82	MG	AR	4162	1/1	0.75	0.48	79,79,79,79	0
82	MG	A	2096	1/1	0.75	0.41	82,82,82,82	0
82	MG	AR	3923	1/1	0.75	0.27	85,85,85,85	0
81	OHX	sR	2177	7/7	0.75	0.12	208,210,216,292	0
82	MG	AR	3962	1/1	0.75	0.36	92,92,92,92	0
82	MG	1	3620	1/1	0.75	0.27	72,72,72,72	0
82	MG	1	4026	1/1	0.75	0.23	72,72,72,72	0
82	MG	AR	3996	1/1	0.75	0.19	80,80,80,80	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
81	OHX	sR	1999	7/7	0.75	0.19	188,194,204,274	0
82	MG	AR	4013	1/1	0.75	0.43	82,82,82,82	0
81	OHX	AR	3661	7/7	0.75	0.18	189,196,210,290	0
82	MG	sR	2154	1/1	0.75	0.31	88,88,88,88	0
82	MG	A	2039	1/1	0.75	0.13	92,92,92,92	0
82	MG	s8	301	1/1	0.75	0.55	117,117,117,117	0
81	OHX	AR	4197	7/7	0.75	0.11	227,239,243,309	0
82	MG	AR	3772	1/1	0.75	0.17	70,70,70,70	0
82	MG	AR	3750	1/1	0.76	0.25	76,76,76,76	0
82	MG	CF	402	1/1	0.76	0.27	84,84,84,84	0
82	MG	1	3871	1/1	0.76	0.35	68,68,68,68	0
82	MG	A	2088	1/1	0.76	0.31	81,81,81,81	0
82	MG	1	3872	1/1	0.76	0.25	66,66,66,66	0
82	MG	AR	3942	1/1	0.76	0.14	76,76,76,76	0
82	MG	AR	4057	1/1	0.76	0.20	83,83,83,83	0
82	MG	AR	3952	1/1	0.76	0.49	80,80,80,80	0
81	OHX	AR	3640	7/7	0.76	0.17	198,204,219,298	0
81	OHX	sR	2025	7/7	0.76	0.13	209,214,224,303	0
82	MG	A	2038	1/1	0.76	0.20	76,76,76,76	0
82	MG	1	3754	1/1	0.76	0.33	64,64,64,64	0
81	OHX	AR	3672	7/7	0.76	0.13	215,220,235,315	0
82	MG	A	2047	1/1	0.76	0.32	91,91,91,91	0
82	MG	1	3628	1/1	0.76	0.31	68,68,68,68	0
82	MG	A	2058	1/1	0.76	0.14	92,92,92,92	0
81	OHX	sR	2020	7/7	0.76	0.14	198,206,212,285	0
82	MG	AR	4166	1/1	0.76	0.36	83,83,83,83	0
82	MG	s9	201	1/1	0.76	0.43	79,79,79,79	0
82	MG	AS	3502	1/1	0.76	0.22	88,88,88,88	0
82	MG	AR	3914	1/1	0.76	0.29	59,59,59,59	0
82	MG	CO	201	1/1	0.77	0.21	67,67,67,67	0
81	OHX	d0	201	7/7	0.77	0.15	212,218,221,290	0
81	OHX	AR	4202	7/7	0.77	0.61	70,70,72,87	7
82	MG	AR	3935	1/1	0.77	0.28	65,65,65,65	0
81	OHX	AR	3668	7/7	0.77	0.15	182,189,194,282	0
81	OHX	1	3556	7/7	0.77	0.17	191,200,207,290	0
82	MG	sR	2033	1/1	0.77	0.40	76,76,76,76	0
82	MG	AR	3958	1/1	0.77	0.20	71,71,71,71	0
82	MG	AR	4124	1/1	0.77	0.29	106,106,106,106	0
82	MG	1	4039	1/1	0.77	0.49	64,64,64,64	0
81	OHX	A	2121	7/7	0.77	0.18	231,237,244,321	0
82	MG	A	2040	1/1	0.77	0.27	82,82,82,82	0
82	MG	sR	2133	1/1	0.77	0.36	97,97,97,97	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
82	MG	1	3952	1/1	0.77	0.21	71,71,71,71	0
81	OHX	1	3578	7/7	0.77	0.11	231,240,248,308	0
81	OHX	AR	3631	7/7	0.77	0.14	200,210,222,306	0
81	OHX	sR	2176	7/7	0.77	0.18	168,172,175,207	7
82	MG	AS	3514	1/1	0.77	0.55	130,130,130,130	0
81	OHX	AR	3679	7/7	0.77	0.12	230,233,251,317	0
82	MG	1	3841	1/1	0.77	0.27	76,76,76,76	0
82	MG	1	3844	1/1	0.77	0.22	72,72,72,72	0
82	MG	CI	302	1/1	0.77	0.29	58,58,58,58	0
82	MG	AT	229	1/1	0.78	0.40	75,75,75,75	0
82	MG	1	3709	1/1	0.78	0.21	53,53,53,53	0
82	MG	sR	2059	1/1	0.78	0.14	62,62,62,62	0
82	MG	sR	2098	1/1	0.78	0.12	73,73,73,73	0
81	OHX	AT	212	7/7	0.78	0.18	170,188,191,275	0
82	MG	sR	2109	1/1	0.78	0.29	75,75,75,75	0
82	MG	AR	4119	1/1	0.78	0.34	83,83,83,83	0
82	MG	AR	3904	1/1	0.78	0.23	71,71,71,71	0
82	MG	sR	2124	1/1	0.78	0.40	82,82,82,82	0
82	MG	1	3966	1/1	0.78	0.37	84,84,84,84	0
82	MG	A	2004	1/1	0.78	0.25	74,74,74,74	0
82	MG	sR	2136	1/1	0.78	0.20	85,85,85,85	0
82	MG	sR	2141	1/1	0.78	0.12	85,85,85,85	0
82	MG	sR	2144	1/1	0.78	0.27	85,85,85,85	0
82	MG	1	3832	1/1	0.78	0.30	54,54,54,54	0
81	OHX	AR	4200	7/7	0.78	0.14	175,176,186,273	0
82	MG	AR	3809	1/1	0.78	0.31	61,61,61,61	0
82	MG	AR	4058	1/1	0.78	0.33	87,87,87,87	0
82	MG	AR	4075	1/1	0.78	0.21	82,82,82,82	0
82	MG	A	2093	1/1	0.78	0.48	83,83,83,83	0
81	OHX	AR	4201	7/7	0.78	0.14	192,200,208,288	0
82	MG	AR	4104	1/1	0.78	0.28	88,88,88,88	0
82	MG	AR	4111	1/1	0.78	0.22	77,77,77,77	0
82	MG	1	4024	1/1	0.79	0.17	80,80,80,80	0
82	MG	1	3931	1/1	0.79	0.60	79,79,79,79	0
82	MG	1	3935	1/1	0.79	0.20	73,73,73,73	0
82	MG	AS	3519	1/1	0.79	0.28	73,73,73,73	0
82	MG	AR	3782	1/1	0.79	0.31	70,70,70,70	0
82	MG	AT	205	1/1	0.79	0.42	68,68,68,68	0
81	OHX	1	3548	7/7	0.79	0.14	197,201,205,291	0
82	MG	AR	3861	1/1	0.79	0.34	48,48,48,48	0
82	MG	AR	4041	1/1	0.79	0.30	70,70,70,70	0
82	MG	CM	202	1/1	0.79	0.27	74,74,74,74	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
82	MG	sR	2035	1/1	0.79	0.27	69,69,69,69	0
81	OHX	1	3562	7/7	0.79	0.12	216,222,234,324	0
82	MG	DC	203	1/1	0.79	0.37	78,78,78,78	0
82	MG	sR	2092	1/1	0.79	0.40	83,83,83,83	0
82	MG	sR	2093	1/1	0.79	0.27	83,83,83,83	0
82	MG	DP	101	1/1	0.79	0.35	66,66,66,66	0
82	MG	A	1985	1/1	0.79	0.34	66,66,66,66	0
82	MG	1	3755	1/1	0.79	0.25	65,65,65,65	0
82	MG	sR	2114	1/1	0.79	0.20	63,63,63,63	0
82	MG	1	4082	1/1	0.79	0.34	86,86,86,86	0
82	MG	AR	3900	1/1	0.79	0.24	79,79,79,79	0
82	MG	AR	3903	1/1	0.79	0.30	76,76,76,76	0
82	MG	sR	2130	1/1	0.79	0.23	74,74,74,74	0
81	OHX	c3	201	7/7	0.79	0.13	203,210,217,273	0
81	OHX	A	1962	7/7	0.79	0.15	200,202,209,267	0
82	MG	s	300	1/1	0.79	0.14	100,100,100,100	0
82	MG	1	3819	1/1	0.79	0.22	60,60,60,60	0
82	MG	x	202	1/1	0.79	0.43	93,93,93,93	0
81	OHX	A	1966	7/7	0.79	0.15	201,205,214,291	0
82	MG	AR	4120	1/1	0.79	0.32	63,63,63,63	0
82	MG	1	3626	1/1	0.79	0.25	70,70,70,70	0
81	OHX	1	3617	7/7	0.79	0.16	179,186,195,267	0
81	OHX	1	3585	7/7	0.79	0.12	239,243,249,307	0
82	MG	sR	2167	1/1	0.79	0.26	64,64,64,64	0
82	MG	1	3867	1/1	0.79	0.42	85,85,85,85	0
82	MG	AR	4161	1/1	0.79	0.30	67,67,67,67	0
81	OHX	AR	3677	7/7	0.79	0.14	186,195,207,294	0
81	OHX	sR	2175	7/7	0.79	0.23	142,149,152,168	7
81	OHX	AR	4196	7/7	0.80	0.20	153,165,179,262	0
81	OHX	AR	3641	7/7	0.80	0.15	176,184,188,269	0
82	MG	A	2069	1/1	0.80	0.18	75,75,75,75	0
81	OHX	sR	2172	7/7	0.80	0.11	235,239,246,293	0
81	OHX	AR	4198	7/7	0.80	0.17	181,191,191,280	0
82	MG	z	202	1/1	0.80	0.23	73,73,73,73	0
82	MG	AR	4153	1/1	0.80	0.20	58,58,58,58	0
81	OHX	1	4124	7/7	0.80	0.12	192,199,210,281	0
82	MG	AB	205	1/1	0.80	0.32	81,81,81,81	0
82	MG	1	3984	1/1	0.80	0.28	66,66,66,66	0
82	MG	AR	3953	1/1	0.80	0.21	70,70,70,70	0
82	MG	1	3821	1/1	0.80	0.23	65,65,65,65	0
82	MG	A	2099	1/1	0.80	0.29	76,76,76,76	0
82	MG	Y	201	1/1	0.80	0.24	79,79,79,79	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
81	OHX	1	3600	7/7	0.80	0.11	190,198,211,281	0
81	OHX	1	3597	7/7	0.80	0.16	182,190,204,279	0
81	OHX	sR	2018	6/7	0.80	0.16	204,205,213,301	0
82	MG	AR	3977	1/1	0.80	0.12	78,78,78,78	0
82	MG	AR	3980	1/1	0.80	0.23	67,67,67,67	0
82	MG	AR	3756	1/1	0.80	0.20	59,59,59,59	0
81	OHX	sR	2019	7/7	0.80	0.11	224,227,232,312	0
82	MG	AR	3999	1/1	0.80	0.17	57,57,57,57	0
81	OHX	1	3564	7/7	0.80	0.13	199,200,207,274	0
81	OHX	AT	203	7/7	0.80	0.15	179,183,187,270	0
82	MG	sR	2112	1/1	0.80	0.35	136,136,136,136	0
81	OHX	sR	2024	7/7	0.80	0.14	210,223,227,300	0
82	MG	1	4025	1/1	0.80	0.19	73,73,73,73	0
82	MG	AR	3786	1/1	0.80	0.31	66,66,66,66	0
82	MG	sR	2123	1/1	0.80	0.18	97,97,97,97	0
82	MG	AR	4049	1/1	0.80	0.25	74,74,74,74	0
82	MG	AR	3801	1/1	0.80	0.36	51,51,51,51	0
82	MG	1	3896	1/1	0.80	0.23	81,81,81,81	0
82	MG	AR	3817	1/1	0.80	0.39	54,54,54,54	0
82	MG	AR	3836	1/1	0.80	0.17	63,63,63,63	0
82	MG	A	2023	1/1	0.80	0.16	71,71,71,71	0
82	MG	sR	2142	1/1	0.80	0.17	105,105,105,105	0
82	MG	AR	4069	1/1	0.80	0.32	83,83,83,83	0
82	MG	AR	4074	1/1	0.80	0.11	75,75,75,75	0
82	MG	AR	3838	1/1	0.80	0.45	60,60,60,60	0
82	MG	sR	2149	1/1	0.80	0.20	71,71,71,71	0
82	MG	1	3902	1/1	0.80	0.46	74,74,74,74	0
82	MG	sR	2153	1/1	0.80	0.27	103,103,103,103	0
82	MG	1	3928	1/1	0.80	0.32	83,83,83,83	0
82	MG	1	3930	1/1	0.80	0.22	72,72,72,72	0
81	OHX	1	3593	7/7	0.80	0.13	193,199,208,280	0
81	OHX	l	402	7/7	0.80	0.11	203,213,227,297	0
82	MG	A	2053	1/1	0.80	0.29	80,80,80,80	0
81	OHX	sR	2027	7/7	0.80	0.13	221,223,232,292	0
82	MG	A	2059	1/1	0.80	0.14	65,65,65,65	0
82	MG	A	2031	1/1	0.81	0.15	76,76,76,76	0
82	MG	sR	2060	1/1	0.81	0.30	93,93,93,93	0
82	MG	sR	2086	1/1	0.81	0.16	78,78,78,78	0
82	MG	AR	3718	1/1	0.81	0.12	89,89,89,89	0
81	OHX	A	1970	7/7	0.81	0.11	207,215,226,295	0
82	MG	1	3865	1/1	0.81	0.18	84,84,84,84	0
82	MG	AR	4022	1/1	0.81	0.19	74,74,74,74	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
82	MG	AR	4025	1/1	0.81	0.26	78,78,78,78	0
82	MG	1	3953	1/1	0.81	0.17	64,64,64,64	0
81	OHX	1	3583	7/7	0.81	0.16	144,150,161,234	0
81	OHX	AT	202	7/7	0.81	0.17	174,186,188,275	0
81	OHX	3	206	7/7	0.81	0.12	201,204,208,274	0
82	MG	1	3781	1/1	0.81	0.43	57,57,57,57	0
82	MG	1	3987	1/1	0.81	0.22	85,85,85,85	0
81	OHX	1	3595	7/7	0.81	0.19	148,155,166,240	0
81	OHX	1	4131	7/7	0.81	0.14	170,172,182,255	0
82	MG	1	3642	1/1	0.81	0.19	64,64,64,64	0
82	MG	AR	3797	1/1	0.81	0.32	45,45,45,45	0
82	MG	1	4012	1/1	0.81	0.27	68,68,68,68	0
81	OHX	AR	3686	7/7	0.81	0.12	195,201,208,299	0
82	MG	1	3932	1/1	0.81	0.09	91,91,91,91	0
82	MG	AR	3976	1/1	0.81	0.19	60,60,60,60	0
82	MG	sR	2146	1/1	0.81	0.17	69,69,69,69	0
82	MG	A	2092	1/1	0.81	0.32	76,76,76,76	0
82	MG	sR	2148	1/1	0.81	0.18	69,69,69,69	0
82	MG	A	1989	1/1	0.81	0.25	70,70,70,70	0
81	OHX	AR	3667	7/7	0.81	0.14	182,187,205,273	0
82	MG	sR	2152	1/1	0.81	0.22	67,67,67,67	0
82	MG	AR	3978	1/1	0.81	0.20	75,75,75,75	0
81	OHX	A	1968	7/7	0.81	0.11	236,237,247,292	0
82	MG	AR	4122	1/1	0.81	0.27	73,73,73,73	0
82	MG	AR	3700	1/1	0.81	0.31	69,69,69,69	0
82	MG	AR	4128	1/1	0.81	0.23	70,70,70,70	0
82	MG	AR	3710	1/1	0.81	0.17	53,53,53,53	0
82	MG	1	4023	1/1	0.81	0.42	72,72,72,72	0
82	MG	sR	2051	1/1	0.81	0.26	63,63,63,63	0
82	MG	A	1979	1/1	0.82	0.13	70,70,70,70	0
82	MG	1	3630	1/1	0.82	0.29	52,52,52,52	0
81	OHX	sR	2013	7/7	0.82	0.12	212,219,229,298	0
82	MG	1	3645	1/1	0.82	0.39	65,65,65,65	0
82	MG	1	3840	1/1	0.82	0.16	71,71,71,71	0
82	MG	1	4042	1/1	0.82	0.26	58,58,58,58	0
81	OHX	1	3612	7/7	0.82	0.12	170,172,178,260	0
82	MG	sR	2082	1/1	0.82	0.41	68,68,68,68	0
82	MG	1	3957	1/1	0.82	0.13	82,82,82,82	0
82	MG	1	4059	1/1	0.82	0.19	79,79,79,79	0
82	MG	1	3688	1/1	0.82	0.21	66,66,66,66	0
82	MG	1	3700	1/1	0.82	0.28	58,58,58,58	0
82	MG	A	2030	1/1	0.82	0.27	76,76,76,76	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
81	OHX	AR	3502	7/7	0.82	0.20	110,127,129,205	0
82	MG	A	2033	1/1	0.82	0.31	82,82,82,82	0
82	MG	AR	3988	1/1	0.82	0.10	61,61,61,61	0
82	MG	sR	2118	1/1	0.82	0.12	93,93,93,93	0
82	MG	4	226	1/1	0.82	0.16	55,55,55,55	0
82	MG	AR	4132	1/1	0.82	0.25	64,64,64,64	0
81	OHX	4	213	7/7	0.82	0.13	156,161,172,257	0
82	MG	A	2042	1/1	0.82	0.14	80,80,80,80	0
82	MG	4	234	1/1	0.82	0.34	62,62,62,62	0
82	MG	1	3715	1/1	0.82	0.37	54,54,54,54	0
81	OHX	AR	3649	7/7	0.82	0.15	187,199,208,291	0
82	MG	1	3894	1/1	0.82	0.22	66,66,66,66	0
82	MG	AR	4184	1/1	0.82	0.27	77,77,77,77	0
82	MG	AR	4188	1/1	0.82	0.27	68,68,68,68	0
82	MG	1	4003	1/1	0.82	0.19	62,62,62,62	0
82	MG	1	3895	1/1	0.82	0.32	91,91,91,91	0
82	MG	A	2068	1/1	0.82	0.26	77,77,77,77	0
82	MG	AR	4027	1/1	0.82	0.14	58,58,58,58	0
81	OHX	1	3594	7/7	0.82	0.11	206,219,228,293	0
81	OHX	1	3575	7/7	0.82	0.12	183,192,202,270	0
82	MG	AR	3706	1/1	0.82	0.28	66,66,66,66	0
82	MG	AT	219	1/1	0.82	0.25	64,64,64,64	0
81	OHX	CG	303	7/7	0.82	0.11	198,206,217,289	0
82	MG	CE	408	1/1	0.82	0.36	78,78,78,78	0
82	MG	sR	2155	1/1	0.82	0.28	80,80,80,80	0
82	MG	1	3771	1/1	0.82	0.27	65,65,65,65	0
81	OHX	DK	201	7/7	0.82	0.13	220,222,242,324	0
82	MG	AR	3727	1/1	0.82	0.20	41,41,41,41	0
82	MG	AR	4064	1/1	0.82	0.14	64,64,64,64	0
82	MG	AR	3738	1/1	0.82	0.24	54,54,54,54	0
81	OHX	sR	2008	7/7	0.82	0.13	176,179,194,261	0
82	MG	1	3817	1/1	0.83	0.17	69,69,69,69	0
82	MG	AR	4121	1/1	0.83	0.18	93,93,93,93	0
81	OHX	J	301	7/7	0.83	0.10	227,233,241,307	0
82	MG	1	3967	1/1	0.83	0.31	72,72,72,72	0
81	OHX	sR	1979	7/7	0.83	0.11	198,203,212,286	0
82	MG	AR	3928	1/1	0.83	0.40	74,74,74,74	0
82	MG	1	3822	1/1	0.83	0.23	54,54,54,54	0
81	OHX	1	4129	7/7	0.83	0.12	179,190,201,285	0
82	MG	AR	4133	1/1	0.83	0.43	57,57,57,57	0
82	MG	AR	3947	1/1	0.83	0.24	73,73,73,73	0
82	MG	AR	4150	1/1	0.83	0.29	80,80,80,80	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
81	OHX	1	3603	7/7	0.83	0.12	201,203,218,286	0
81	OHX	1	3561	7/7	0.83	0.19	142,151,163,225	0
82	MG	AR	3956	1/1	0.83	0.19	82,82,82,82	0
82	MG	1	4002	1/1	0.83	0.15	70,70,70,70	0
82	MG	AR	3716	1/1	0.83	0.33	71,71,71,71	0
81	OHX	sR	2007	7/7	0.83	0.16	165,174,186,246	0
82	MG	A	2101	1/1	0.83	0.19	68,68,68,68	0
82	MG	A	2102	1/1	0.83	0.24	79,79,79,79	0
81	OHX	1	3566	7/7	0.83	0.15	180,184,195,265	0
81	OHX	AR	3647	7/7	0.83	0.12	171,177,186,255	0
81	OHX	AR	3680	7/7	0.83	0.10	219,228,232,300	0
82	MG	AR	3747	1/1	0.83	0.13	69,69,69,69	0
81	OHX	3	221	7/7	0.83	0.12	198,202,208,290	0
82	MG	sR	2045	1/1	0.83	0.18	63,63,63,63	0
82	MG	AS	3526	1/1	0.83	0.16	73,73,73,73	0
81	OHX	AR	3682	7/7	0.83	0.11	204,209,218,283	0
82	MG	AR	3751	1/1	0.83	0.18	48,48,48,48	0
82	MG	AT	222	1/1	0.83	0.19	89,89,89,89	0
82	MG	AT	224	1/1	0.83	0.15	79,79,79,79	0
82	MG	1	3891	1/1	0.83	0.29	63,63,63,63	0
82	MG	1	3692	1/1	0.83	0.39	88,88,88,88	0
82	MG	AR	4000	1/1	0.83	0.30	80,80,80,80	0
82	MG	AR	3763	1/1	0.83	0.30	68,68,68,68	0
81	OHX	AR	3575	7/7	0.83	0.17	156,163,167,254	0
82	MG	1	3705	1/1	0.83	0.16	80,80,80,80	0
81	OHX	AR	3658	7/7	0.83	0.13	189,194,204,272	0
82	MG	1	3909	1/1	0.83	0.39	71,71,71,71	0
82	MG	AR	4026	1/1	0.83	0.17	82,82,82,82	0
81	OHX	AR	3598	7/7	0.83	0.15	150,164,177,245	0
81	OHX	AR	3599	7/7	0.83	0.12	163,169,186,260	0
82	MG	A	1991	1/1	0.83	0.31	69,69,69,69	0
81	OHX	1	4122	7/7	0.83	0.15	127,143,153,230	0
82	MG	AR	4042	1/1	0.83	0.11	74,74,74,74	0
81	OHX	1	3544	7/7	0.83	0.12	182,185,193,271	0
81	OHX	AR	3671	7/7	0.83	0.12	160,174,185,264	0
81	OHX	sR	2171	7/7	0.83	0.14	191,200,205,281	0
82	MG	A	2018	1/1	0.83	0.24	85,85,85,85	0
82	MG	AR	3832	1/1	0.83	0.30	43,43,43,43	0
82	MG	1	3765	1/1	0.83	0.32	60,60,60,60	0
82	MG	AR	4061	1/1	0.83	0.21	78,78,78,78	0
82	MG	1	4155	1/1	0.83	0.29	65,65,65,65	0
82	MG	3	212	1/1	0.83	0.29	66,66,66,66	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
82	MG	4	216	1/1	0.83	0.37	77,77,77,77	0
82	MG	4	225	1/1	0.83	0.26	70,70,70,70	0
82	MG	AR	4076	1/1	0.83	0.24	75,75,75,75	0
82	MG	AR	4084	1/1	0.83	0.36	86,86,86,86	0
82	MG	AR	3867	1/1	0.83	0.32	55,55,55,55	0
81	OHX	A	2130	7/7	0.83	0.12	187,188,201,269	0
81	OHX	A	2134	7/7	0.83	0.12	215,218,228,290	0
82	MG	A	2046	1/1	0.83	0.17	78,78,78,78	0
81	OHX	A	2135	7/7	0.83	0.10	222,229,241,301	0
82	MG	A	2048	1/1	0.83	0.27	79,79,79,79	0
82	MG	1	3958	1/1	0.83	0.20	70,70,70,70	0
82	MG	AR	3910	1/1	0.83	0.26	55,55,55,55	0
82	MG	AR	3732	1/1	0.84	0.28	80,80,80,80	0
82	MG	CE	407	1/1	0.84	0.33	59,59,59,59	0
82	MG	1	4049	1/1	0.84	0.26	76,76,76,76	0
82	MG	1	3866	1/1	0.84	0.32	76,76,76,76	0
82	MG	AR	3924	1/1	0.84	0.28	69,69,69,69	0
82	MG	1	3654	1/1	0.84	0.21	68,68,68,68	0
82	MG	1	3672	1/1	0.84	0.40	79,79,79,79	0
82	MG	1	4065	1/1	0.84	0.43	58,58,58,58	0
81	OHX	sR	2016	7/7	0.84	0.15	141,147,167,229	0
82	MG	1	3970	1/1	0.84	0.13	81,81,81,81	0
82	MG	A	1982	1/1	0.84	0.25	67,67,67,67	0
82	MG	AR	4078	1/1	0.84	0.24	51,51,51,51	0
82	MG	1	3875	1/1	0.84	0.34	70,70,70,70	0
82	MG	AR	3955	1/1	0.84	0.15	63,63,63,63	0
82	MG	sR	2055	1/1	0.84	0.26	76,76,76,76	0
82	MG	1	3979	1/1	0.84	0.18	65,65,65,65	0
82	MG	A	2000	1/1	0.84	0.26	72,72,72,72	0
82	MG	sR	2081	1/1	0.84	0.27	56,56,56,56	0
82	MG	1	3770	1/1	0.84	0.17	63,63,63,63	0
81	OHX	AG	202	7/7	0.84	0.17	155,169,173,243	0
82	MG	sR	2089	1/1	0.84	0.22	78,78,78,78	0
82	MG	A	2006	1/1	0.84	0.30	59,59,59,59	0
82	MG	1	3690	1/1	0.84	0.40	76,76,76,76	0
82	MG	AR	3965	1/1	0.84	0.21	64,64,64,64	0
82	MG	1	3788	1/1	0.84	0.20	60,60,60,60	0
82	MG	AR	3773	1/1	0.84	0.28	81,81,81,81	0
82	MG	1	3899	1/1	0.84	0.10	119,119,119,119	0
82	MG	A	2026	1/1	0.84	0.10	88,88,88,88	0
82	MG	4	231	1/1	0.84	0.26	73,73,73,73	0
82	MG	4	232	1/1	0.84	0.12	55,55,55,55	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
82	MG	AR	3983	1/1	0.84	0.42	86,86,86,86	0
81	OHX	A	1944	7/7	0.84	0.15	180,182,186,246	0
82	MG	AR	3990	1/1	0.84	0.12	75,75,75,75	0
82	MG	A	2037	1/1	0.84	0.21	76,76,76,76	0
82	MG	AR	3992	1/1	0.84	0.27	77,77,77,77	0
81	OHX	A	2145	7/7	0.84	0.14	183,192,199,274	0
82	MG	sR	2134	1/1	0.84	0.13	62,62,62,62	0
82	MG	1	3918	1/1	0.84	0.41	78,78,78,78	0
81	OHX	sR	2005	7/7	0.84	0.13	189,193,197,268	0
82	MG	1	3707	1/1	0.84	0.25	77,77,77,77	0
81	OHX	z	203	7/7	0.84	0.12	130,132,137,165	7
82	MG	AR	4164	1/1	0.84	0.39	67,67,67,67	0
82	MG	AR	3846	1/1	0.84	0.29	51,51,51,51	0
82	MG	AR	4171	1/1	0.84	0.30	73,73,73,73	0
82	MG	1	3634	1/1	0.84	0.37	69,69,69,69	0
82	MG	AF	202	1/1	0.84	0.21	59,59,59,59	0
82	MG	AR	4193	1/1	0.84	0.20	71,71,71,71	0
82	MG	AK	101	1/1	0.84	0.36	61,61,61,61	0
81	OHX	sR	1963	7/7	0.84	0.16	155,158,167,227	0
81	OHX	AR	3637	7/7	0.84	0.15	164,171,187,255	0
82	MG	1	3744	1/1	0.84	0.32	54,54,54,54	0
82	MG	1	3852	1/1	0.84	0.22	65,65,65,65	0
82	MG	1	4032	1/1	0.84	0.25	47,47,47,47	0
82	MG	AR	4044	1/1	0.84	0.23	75,75,75,75	0
82	MG	AR	4046	1/1	0.84	0.42	80,80,80,80	0
82	MG	1	3746	1/1	0.84	0.26	70,70,70,70	0
82	MG	1	3651	1/1	0.84	0.24	61,61,61,61	0
82	MG	1	3725	1/1	0.85	0.35	62,62,62,62	0
82	MG	1	3729	1/1	0.85	0.38	64,64,64,64	0
82	MG	AR	4139	1/1	0.85	0.38	63,63,63,63	0
82	MG	1	3730	1/1	0.85	0.27	43,43,43,43	0
82	MG	AR	4142	1/1	0.85	0.18	46,46,46,46	0
82	MG	1	4013	1/1	0.85	0.33	67,67,67,67	0
82	MG	1	3881	1/1	0.85	0.20	69,69,69,69	0
82	MG	1	3888	1/1	0.85	0.40	81,81,81,81	0
82	MG	A	2081	1/1	0.85	0.27	74,74,74,74	0
82	MG	1	3731	1/1	0.85	0.39	50,50,50,50	0
82	MG	1	4018	1/1	0.85	0.18	79,79,79,79	0
82	MG	1	3732	1/1	0.85	0.30	42,42,42,42	0
82	MG	AR	3969	1/1	0.85	0.25	62,62,62,62	0
82	MG	1	4022	1/1	0.85	0.23	55,55,55,55	0
81	OHX	A	2131	7/7	0.85	0.13	183,192,199,259	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
81	OHX	1	3567	7/7	0.85	0.17	157,164,168,250	0
82	MG	1	3621	1/1	0.85	0.25	69,69,69,69	0
81	OHX	1	3574	7/7	0.85	0.11	177,182,197,271	0
81	OHX	A	2140	7/7	0.85	0.15	172,177,180,248	0
81	OHX	A	2141	7/7	0.85	0.09	256,257,259,308	0
82	MG	1	3926	1/1	0.85	0.20	56,56,56,56	0
82	MG	1	4045	1/1	0.85	0.14	49,49,49,49	0
82	MG	AR	3993	1/1	0.85	0.28	77,77,77,77	0
82	MG	1	4046	1/1	0.85	0.28	61,61,61,61	0
81	OHX	sR	2021	7/7	0.85	0.16	185,191,209,289	0
81	OHX	sR	2022	7/7	0.85	0.10	215,220,227,303	0
82	MG	1	4055	1/1	0.85	0.33	68,68,68,68	0
82	MG	AR	4008	1/1	0.85	0.18	68,68,68,68	0
81	OHX	AR	3670	7/7	0.85	0.11	160,172,179,249	0
82	MG	AR	3775	1/1	0.85	0.11	45,45,45,45	0
81	OHX	A	1952	7/7	0.85	0.14	186,189,203,261	0
82	MG	AR	3785	1/1	0.85	0.46	54,54,54,54	0
82	MG	sR	2084	1/1	0.85	0.21	80,80,80,80	0
81	OHX	O	201	7/7	0.85	0.10	217,222,232,288	0
82	MG	CR	203	1/1	0.85	0.24	55,55,55,55	0
82	MG	1	3804	1/1	0.85	0.41	55,55,55,55	0
81	OHX	A	1961	7/7	0.85	0.10	200,208,216,276	0
82	MG	sR	2095	1/1	0.85	0.23	76,76,76,76	0
82	MG	1	4145	1/1	0.85	0.23	47,47,47,47	0
82	MG	AR	3815	1/1	0.85	0.24	53,53,53,53	0
82	MG	1	4147	1/1	0.85	0.15	107,107,107,107	0
82	MG	AR	3825	1/1	0.85	0.39	70,70,70,70	0
82	MG	A	1990	1/1	0.85	0.19	62,62,62,62	0
81	OHX	AR	3614	7/7	0.85	0.13	176,179,190,252	0
81	OHX	1	4136	7/7	0.85	0.10	184,188,198,268	0
82	MG	3	208	1/1	0.85	0.17	65,65,65,65	0
81	OHX	1	3614	7/7	0.85	0.13	161,164,180,256	0
82	MG	A	2002	1/1	0.85	0.33	75,75,75,75	0
82	MG	sR	2129	1/1	0.85	0.24	81,81,81,81	0
81	OHX	AR	3542	7/7	0.85	0.15	138,138,149,217	0
82	MG	1	3959	1/1	0.85	0.17	58,58,58,58	0
82	MG	1	3697	1/1	0.85	0.39	62,62,62,62	0
81	OHX	sR	2004	7/7	0.85	0.13	194,196,202,266	0
82	MG	AR	4067	1/1	0.85	0.06	126,126,126,126	0
82	MG	AR	3876	1/1	0.85	0.14	53,53,53,53	0
82	MG	4	230	1/1	0.85	0.17	85,85,85,85	0
82	MG	AR	3889	1/1	0.85	0.36	61,61,61,61	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
81	OHX	sR	2173	7/7	0.85	0.20	130,137,142,166	7
82	MG	1	3842	1/1	0.85	0.14	55,55,55,55	0
81	OHX	1	3589	7/7	0.85	0.19	155,161,167,248	0
82	MG	AR	3905	1/1	0.85	0.26	72,72,72,72	0
82	MG	AR	3908	1/1	0.85	0.15	61,61,61,61	0
82	MG	n	201	1/1	0.85	0.13	71,71,71,71	0
82	MG	1	3978	1/1	0.85	0.20	64,64,64,64	0
82	MG	AR	3917	1/1	0.85	0.38	79,79,79,79	0
81	OHX	A	2127	7/7	0.85	0.13	181,182,190,256	0
82	MG	1	3853	1/1	0.85	0.22	84,84,84,84	0
82	MG	sR	2160	1/1	0.85	0.35	69,69,69,69	0
81	OHX	AR	3578	7/7	0.85	0.14	162,168,181,251	0
82	MG	1	3712	1/1	0.85	0.18	69,69,69,69	0
82	MG	s4	302	1/1	0.85	0.18	73,73,73,73	0
81	OHX	sR	2012	7/7	0.85	0.11	220,227,229,273	0
82	MG	AF	201	1/1	0.85	0.28	57,57,57,57	0
82	MG	1	3718	1/1	0.85	0.31	42,42,42,42	0
82	MG	AR	3946	1/1	0.85	0.23	80,80,80,80	0
82	MG	d6	201	1/1	0.85	0.29	63,63,63,63	0
82	MG	1	3846	1/1	0.86	0.36	74,74,74,74	0
82	MG	1	3850	1/1	0.86	0.33	52,52,52,52	0
81	OHX	sR	1991	7/7	0.86	0.13	151,154,162,226	0
81	OHX	sR	1997	7/7	0.86	0.14	174,182,193,256	0
82	MG	AT	226	1/1	0.86	0.33	66,66,66,66	0
82	MG	1	4054	1/1	0.86	0.35	75,75,75,75	0
82	MG	1	3859	1/1	0.86	0.29	59,59,59,59	0
81	OHX	AR	3650	7/7	0.86	0.12	160,168,186,257	0
82	MG	A	2098	1/1	0.86	0.19	85,85,85,85	0
82	MG	AR	3921	1/1	0.86	0.14	57,57,57,57	0
82	MG	1	4058	1/1	0.86	0.18	56,56,56,56	0
81	OHX	AR	3596	7/7	0.86	0.12	174,182,189,261	0
81	OHX	sR	2003	7/7	0.86	0.14	180,183,191,250	0
82	MG	CQ	205	1/1	0.86	0.26	50,50,50,50	0
82	MG	AR	4063	1/1	0.86	0.14	52,52,52,52	0
82	MG	CY	201	1/1	0.86	0.11	108,108,108,108	0
81	OHX	AR	3654	7/7	0.86	0.14	161,165,184,259	0
82	MG	sR	2043	1/1	0.86	0.26	72,72,72,72	0
82	MG	DI	201	1/1	0.86	0.34	62,62,62,62	0
82	MG	AR	3930	1/1	0.86	0.30	61,61,61,61	0
82	MG	1	3971	1/1	0.86	0.21	70,70,70,70	0
82	MG	1	3677	1/1	0.86	0.16	58,58,58,58	0
81	OHX	AR	3655	7/7	0.86	0.14	164,171,184,253	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
82	MG	sR	2068	1/1	0.86	0.25	76,76,76,76	0
82	MG	sR	2070	1/1	0.86	0.28	70,70,70,70	0
82	MG	sR	2074	1/1	0.86	0.18	49,49,49,49	0
82	MG	A	1988	1/1	0.86	0.33	80,80,80,80	0
81	OHX	A	2136	7/7	0.86	0.14	192,198,203,267	0
82	MG	1	3980	1/1	0.86	0.22	62,62,62,62	0
82	MG	AR	3770	1/1	0.86	0.38	41,41,41,41	0
82	MG	A	1996	1/1	0.86	0.24	69,69,69,69	0
81	OHX	1	3588	7/7	0.86	0.14	172,176,188,262	0
81	OHX	sR	2010	7/7	0.86	0.14	145,153,156,232	0
82	MG	3	217	1/1	0.86	0.17	61,61,61,61	0
82	MG	AR	3778	1/1	0.86	0.29	76,76,76,76	0
82	MG	AR	3961	1/1	0.86	0.29	81,81,81,81	0
82	MG	sR	2105	1/1	0.86	0.23	67,67,67,67	0
81	OHX	A	1964	7/7	0.86	0.11	187,193,208,266	0
82	MG	sR	2110	1/1	0.86	0.17	80,80,80,80	0
82	MG	AR	3963	1/1	0.86	0.24	57,57,57,57	0
82	MG	AR	3964	1/1	0.86	0.17	72,72,72,72	0
82	MG	A	2016	1/1	0.86	0.23	76,76,76,76	0
81	OHX	AR	3633	7/7	0.86	0.13	160,165,175,247	0
82	MG	1	3797	1/1	0.86	0.31	65,65,65,65	0
82	MG	AR	3970	1/1	0.86	0.10	73,73,73,73	0
82	MG	1	3798	1/1	0.86	0.37	56,56,56,56	0
82	MG	sR	2128	1/1	0.86	0.29	72,72,72,72	0
82	MG	AR	3975	1/1	0.86	0.33	64,64,64,64	0
82	MG	1	4004	1/1	0.86	0.32	72,72,72,72	0
82	MG	AR	3807	1/1	0.86	0.30	68,68,68,68	0
82	MG	AR	4137	1/1	0.86	0.35	68,68,68,68	0
82	MG	1	3702	1/1	0.86	0.19	68,68,68,68	0
82	MG	1	4009	1/1	0.86	0.17	58,58,58,58	0
82	MG	sR	2139	1/1	0.86	0.13	70,70,70,70	0
82	MG	AR	4141	1/1	0.86	0.19	48,48,48,48	0
81	OHX	s8	302	7/7	0.86	0.10	216,223,229,295	0
82	MG	AR	4147	1/1	0.86	0.27	46,46,46,46	0
82	MG	1	3903	1/1	0.86	0.22	83,83,83,83	0
82	MG	AR	3830	1/1	0.86	0.29	64,64,64,64	0
82	MG	1	3905	1/1	0.86	0.12	62,62,62,62	0
81	OHX	1	3560	7/7	0.86	0.14	158,166,170,244	0
81	OHX	c5	201	7/7	0.86	0.10	194,202,210,264	0
81	OHX	AR	3664	7/7	0.86	0.11	205,214,221,289	0
82	MG	AR	3849	1/1	0.86	0.37	47,47,47,47	0
82	MG	A	2056	1/1	0.86	0.12	83,83,83,83	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
82	MG	A	2057	1/1	0.86	0.15	64,64,64,64	0
81	OHX	U	201	7/7	0.86	0.12	218,223,227,290	0
81	OHX	A	1975	7/7	0.86	0.12	168,174,180,242	0
82	MG	1	3834	1/1	0.86	0.27	68,68,68,68	0
81	OHX	CG	302	7/7	0.86	0.10	215,218,224,290	0
82	MG	A	2064	1/1	0.86	0.15	84,84,84,84	0
81	OHX	sR	1980	7/7	0.86	0.14	144,150,167,240	0
82	MG	1	3936	1/1	0.86	0.33	80,80,80,80	0
82	MG	c6	201	1/1	0.86	0.24	81,81,81,81	0
82	MG	1	3946	1/1	0.86	0.11	55,55,55,55	0
81	OHX	1	3607	7/7	0.86	0.12	191,204,216,298	0
82	MG	d4	203	1/1	0.86	0.34	73,73,73,73	0
82	MG	d5	201	1/1	0.86	0.25	95,95,95,95	0
82	MG	1	3631	1/1	0.86	0.15	64,64,64,64	0
82	MG	d6	203	1/1	0.86	0.18	65,65,65,65	0
85	ZN	d7	101	1/1	0.86	0.15	202,202,202,202	0
82	MG	A	2055	1/1	0.87	0.09	76,76,76,76	0
81	OHX	CK	201	7/7	0.87	0.11	172,177,183,260	0
82	MG	1	3988	1/1	0.87	0.14	74,74,74,74	0
81	OHX	1	3590	7/7	0.87	0.15	165,170,179,249	0
82	MG	AR	3936	1/1	0.87	0.17	54,54,54,54	0
81	OHX	A	1939	7/7	0.87	0.14	142,148,155,215	0
82	MG	1	3997	1/1	0.87	0.22	55,55,55,55	0
81	OHX	AR	3526	7/7	0.87	0.15	130,139,147,217	0
82	MG	A	2067	1/1	0.87	0.11	58,58,58,58	0
82	MG	AR	3708	1/1	0.87	0.28	64,64,64,64	0
81	OHX	sR	1989	7/7	0.87	0.12	157,158,163,241	0
82	MG	AR	4145	1/1	0.87	0.36	61,61,61,61	0
82	MG	AR	3954	1/1	0.87	0.20	60,60,60,60	0
82	MG	1	3720	1/1	0.87	0.16	54,54,54,54	0
82	MG	AR	4152	1/1	0.87	0.45	64,64,64,64	0
81	OHX	AR	3656	7/7	0.87	0.09	196,208,215,276	0
82	MG	1	3870	1/1	0.87	0.14	74,74,74,74	0
82	MG	AR	3721	1/1	0.87	0.15	62,62,62,62	0
81	OHX	sR	1996	7/7	0.87	0.12	175,178,191,258	0
81	OHX	A	1955	7/7	0.87	0.15	137,151,156,198	0
81	OHX	1	3592	7/7	0.87	0.15	165,171,180,243	0
82	MG	AR	4177	1/1	0.87	0.23	60,60,60,60	0
82	MG	A	2097	1/1	0.87	0.29	71,71,71,71	0
82	MG	1	3879	1/1	0.87	0.10	56,56,56,56	0
81	OHX	AR	3660	7/7	0.87	0.12	166,170,179,256	0
82	MG	AR	4189	1/1	0.87	0.17	63,63,63,63	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
82	MG	AR	4191	1/1	0.87	0.17	70,70,70,70	0
81	OHX	1	3520	7/7	0.87	0.14	153,155,158,235	0
82	MG	1	3739	1/1	0.87	0.21	41,41,41,41	0
81	OHX	AR	4175	7/7	0.87	0.12	147,156,162,237	0
82	MG	AR	3972	1/1	0.87	0.34	59,59,59,59	0
81	OHX	1	3609	7/7	0.87	0.12	179,189,199,272	0
82	MG	AS	3520	1/1	0.87	0.17	67,67,67,67	0
82	MG	1	3748	1/1	0.87	0.31	77,77,77,77	0
82	MG	sR	2050	1/1	0.87	0.28	61,61,61,61	0
82	MG	AR	3762	1/1	0.87	0.12	69,69,69,69	0
82	MG	1	3897	1/1	0.87	0.15	76,76,76,76	0
82	MG	1	3750	1/1	0.87	0.33	49,49,49,49	0
82	MG	AR	3765	1/1	0.87	0.20	51,51,51,51	0
82	MG	1	4031	1/1	0.87	0.20	62,62,62,62	0
81	OHX	1	4134	5/7	0.87	0.14	140,143,147,230	0
82	MG	1	4037	1/1	0.87	0.30	42,42,42,42	0
82	MG	CD	301	1/1	0.87	0.41	62,62,62,62	0
82	MG	CE	401	1/1	0.87	0.08	47,47,47,47	0
81	OHX	A	1974	7/7	0.87	0.11	189,199,205,256	0
82	MG	1	4040	1/1	0.87	0.36	60,60,60,60	0
82	MG	sR	2088	1/1	0.87	0.20	77,77,77,77	0
82	MG	1	3761	1/1	0.87	0.31	55,55,55,55	0
82	MG	AR	3997	1/1	0.87	0.34	66,66,66,66	0
82	MG	AR	3776	1/1	0.87	0.28	44,44,44,44	0
82	MG	1	3762	1/1	0.87	0.40	53,53,53,53	0
82	MG	AR	3781	1/1	0.87	0.28	42,42,42,42	0
82	MG	sR	2103	1/1	0.87	0.12	75,75,75,75	0
81	OHX	sR	2009	7/7	0.87	0.10	171,184,192,262	0
82	MG	1	3920	1/1	0.87	0.24	57,57,57,57	0
82	MG	1	3922	1/1	0.87	0.20	52,52,52,52	0
82	MG	1	3923	1/1	0.87	0.28	55,55,55,55	0
81	OHX	AR	3665	7/7	0.87	0.11	170,178,190,267	0
82	MG	sM	302	1/1	0.87	0.15	51,51,51,51	0
82	MG	1	3633	1/1	0.87	0.27	48,48,48,48	0
81	OHX	sR	2011	7/7	0.87	0.12	158,165,181,241	0
82	MG	AR	4030	1/1	0.87	0.15	63,63,63,63	0
81	OHX	1	4135	7/7	0.87	0.15	176,180,189,262	0
82	MG	AR	3816	1/1	0.87	0.29	52,52,52,52	0
81	OHX	AR	3642	7/7	0.87	0.12	147,154,160,244	0
82	MG	1	3789	1/1	0.87	0.26	46,46,46,46	0
82	MG	1	3650	1/1	0.87	0.28	62,62,62,62	0
81	OHX	AR	3669	7/7	0.87	0.11	225,234,239,295	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
81	OHX	AR	3643	7/7	0.87	0.13	180,191,201,267	0
82	MG	1	3663	1/1	0.87	0.25	63,63,63,63	0
82	MG	AR	4052	1/1	0.87	0.19	55,55,55,55	0
81	OHX	AR	4203	7/7	0.87	0.12	163,179,185,271	0
81	OHX	AR	4204	7/7	0.87	0.33	135,141,143,170	7
82	MG	A	2007	1/1	0.87	0.23	71,71,71,71	0
81	OHX	1	3559	7/7	0.87	0.14	143,146,159,226	0
81	OHX	AR	3648	7/7	0.87	0.12	172,173,181,270	0
82	MG	1	3824	1/1	0.87	0.22	62,62,62,62	0
82	MG	4	220	1/1	0.87	0.32	70,70,70,70	0
82	MG	A	2019	1/1	0.87	0.10	70,70,70,70	0
82	MG	AR	3873	1/1	0.87	0.16	82,82,82,82	0
82	MG	1	3831	1/1	0.87	0.30	80,80,80,80	0
82	MG	A	2024	1/1	0.87	0.15	67,67,67,67	0
81	OHX	1	4142	7/7	0.87	0.11	191,205,217,301	0
81	OHX	A	2142	7/7	0.87	0.19	138,141,146,174	7
82	MG	1	3695	1/1	0.87	0.25	64,64,64,64	0
82	MG	sR	2156	1/1	0.87	0.39	71,71,71,71	0
81	OHX	AR	3618	7/7	0.87	0.12	158,160,174,238	0
82	MG	1	3972	1/1	0.87	0.24	74,74,74,74	0
82	MG	sR	2166	1/1	0.87	0.13	58,58,58,58	0
81	OHX	AR	3652	7/7	0.87	0.11	173,180,185,267	0
82	MG	l	401	1/1	0.87	0.32	47,47,47,47	0
82	MG	1	3975	1/1	0.87	0.25	67,67,67,67	0
82	MG	AR	4113	1/1	0.87	0.27	73,73,73,73	0
81	OHX	AR	3678	7/7	0.87	0.10	222,226,233,281	0
81	OHX	sR	2028	7/7	0.87	0.11	182,188,196,261	0
82	MG	t	203	1/1	0.87	0.13	56,56,56,56	0
82	MG	1	3847	1/1	0.87	0.14	58,58,58,58	0
81	OHX	1	3525	7/7	0.87	0.13	143,145,158,222	0
82	MG	1	3986	1/1	0.87	0.25	64,64,64,64	0
82	MG	AR	4126	1/1	0.87	0.16	59,59,59,59	0
82	MG	6	203	1/1	0.87	0.40	66,66,66,66	0
82	MG	AR	3875	1/1	0.88	0.37	68,68,68,68	0
81	OHX	1	3580	7/7	0.88	0.14	157,163,168,240	0
82	MG	AR	4079	1/1	0.88	0.17	84,84,84,84	0
82	MG	AR	3884	1/1	0.88	0.20	61,61,61,61	0
82	MG	AR	4090	1/1	0.88	0.30	75,75,75,75	0
82	MG	AR	4094	1/1	0.88	0.17	89,89,89,89	0
82	MG	AR	4095	1/1	0.88	0.18	59,59,59,59	0
81	OHX	AR	3675	7/7	0.88	0.17	189,190,204,300	0
81	OHX	CE	404	7/7	0.88	0.09	195,201,214,284	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
82	MG	AR	4107	1/1	0.88	0.32	79,79,79,79	0
81	OHX	CG	301	6/7	0.88	0.10	170,175,188,243	0
81	OHX	1	4137	7/7	0.88	0.11	170,175,188,259	0
82	MG	j	301	1/1	0.88	0.41	64,64,64,64	0
82	MG	A	2049	1/1	0.88	0.14	58,58,58,58	0
81	OHX	1	4138	7/7	0.88	0.13	138,138,141,176	7
82	MG	A	2052	1/1	0.88	0.24	60,60,60,60	0
82	MG	AR	4118	1/1	0.88	0.13	53,53,53,53	0
81	OHX	sR	2170	7/7	0.88	0.12	156,166,171,233	0
82	MG	AR	3909	1/1	0.88	0.38	72,72,72,72	0
81	OHX	AR	3587	7/7	0.88	0.13	146,148,152,238	0
81	OHX	sR	1972	7/7	0.88	0.11	158,168,172,227	0
82	MG	AR	3915	1/1	0.88	0.25	71,71,71,71	0
82	MG	AR	4125	1/1	0.88	0.27	94,94,94,94	0
82	MG	1	3856	1/1	0.88	0.16	48,48,48,48	0
81	OHX	AR	3592	6/7	0.88	0.11	155,161,166,245	0
82	MG	A	2066	1/1	0.88	0.29	72,72,72,72	0
82	MG	x	207	1/1	0.88	0.40	89,89,89,89	0
81	OHX	1	3539	7/7	0.88	0.16	142,147,150,225	0
82	MG	1	3864	1/1	0.88	0.09	60,60,60,60	0
81	OHX	A	1943	7/7	0.88	0.13	181,188,194,253	0
82	MG	AR	4135	1/1	0.88	0.35	71,71,71,71	0
82	MG	A	2080	1/1	0.88	0.42	67,67,67,67	0
82	MG	AR	4136	1/1	0.88	0.26	41,41,41,41	0
82	MG	AB	204	1/1	0.88	0.14	58,58,58,58	0
82	MG	1	3995	1/1	0.88	0.43	50,50,50,50	0
82	MG	1	3726	1/1	0.88	0.32	47,47,47,47	0
81	OHX	1	3571	7/7	0.88	0.10	147,153,167,237	0
81	OHX	sR	2178	7/7	0.88	0.10	222,230,236,314	0
82	MG	AR	4144	1/1	0.88	0.25	41,41,41,41	0
82	MG	AR	3692	1/1	0.88	0.09	51,51,51,51	0
81	OHX	1	3543	7/7	0.88	0.18	148,158,165,249	0
81	OHX	AR	3613	7/7	0.88	0.12	147,148,155,235	0
81	OHX	1	3604	7/7	0.88	0.11	204,208,214,287	0
82	MG	1	4010	1/1	0.88	0.21	73,73,73,73	0
82	MG	AR	4156	1/1	0.88	0.18	52,52,52,52	0
82	MG	1	3876	1/1	0.88	0.21	71,71,71,71	0
81	OHX	AR	3688	7/7	0.88	0.12	173,177,185,281	0
82	MG	AR	3717	1/1	0.88	0.32	63,63,63,63	0
82	MG	1	4014	1/1	0.88	0.25	83,83,83,83	0
81	OHX	1	4105	6/7	0.88	0.17	111,116,120,186	0
81	OHX	sR	2002	7/7	0.88	0.14	166,168,176,259	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
81	OHX	AR	3623	7/7	0.88	0.11	166,175,187,245	0
82	MG	AR	4187	1/1	0.88	0.20	41,41,41,41	0
82	MG	AR	3733	1/1	0.88	0.11	62,62,62,62	0
81	OHX	AR	3626	7/7	0.88	0.11	148,159,167,245	0
82	MG	1	3752	1/1	0.88	0.08	42,42,42,42	0
82	MG	sR	2056	1/1	0.88	0.22	52,52,52,52	0
82	MG	1	4021	1/1	0.88	0.14	71,71,71,71	0
81	OHX	1	3605	7/7	0.88	0.12	157,172,185,260	0
81	OHX	sR	2006	7/7	0.88	0.11	181,190,204,266	0
81	OHX	1	3554	7/7	0.88	0.14	165,169,174,256	0
82	MG	sR	2071	1/1	0.88	0.29	65,65,65,65	0
81	OHX	4	215	7/7	0.88	0.13	165,169,180,262	0
82	MG	1	3636	1/1	0.88	0.32	72,72,72,72	0
82	MG	AR	3760	1/1	0.88	0.23	43,43,43,43	0
81	OHX	A	2100	7/7	0.88	0.12	177,179,186,251	0
82	MG	1	3769	1/1	0.88	0.28	44,44,44,44	0
82	MG	AT	218	1/1	0.88	0.27	49,49,49,49	0
82	MG	1	3915	1/1	0.88	0.21	68,68,68,68	0
82	MG	1	3643	1/1	0.88	0.13	53,53,53,53	0
82	MG	AT	223	1/1	0.88	0.21	79,79,79,79	0
81	OHX	A	2116	7/7	0.88	0.11	170,177,186,247	0
82	MG	1	3921	1/1	0.88	0.29	78,78,78,78	0
82	MG	sR	2102	1/1	0.88	0.18	70,70,70,70	0
82	MG	AT	227	1/1	0.88	0.25	72,72,72,72	0
81	OHX	1	4128	7/7	0.88	0.11	145,160,169,252	0
81	OHX	A	2126	7/7	0.88	0.10	195,199,207,274	0
82	MG	1	3924	1/1	0.88	0.12	72,72,72,72	0
82	MG	1	3653	1/1	0.88	0.54	70,70,70,70	0
82	MG	1	3794	1/1	0.88	0.38	56,56,56,56	0
82	MG	AR	4003	1/1	0.88	0.12	65,65,65,65	0
82	MG	AR	4006	1/1	0.88	0.14	61,61,61,61	0
82	MG	CL	303	1/1	0.88	0.22	43,43,43,43	0
81	OHX	AR	3635	7/7	0.88	0.11	171,180,187,257	0
81	OHX	1	3608[A]	7/7	0.88	0.21	132,135,141,177	7
82	MG	1	3666	1/1	0.88	0.28	68,68,68,68	0
82	MG	sR	2127	1/1	0.88	0.17	60,60,60,60	0
82	MG	AR	4015	1/1	0.88	0.29	70,70,70,70	0
82	MG	AR	4017	1/1	0.88	0.11	60,60,60,60	0
82	MG	DA	201	1/1	0.88	0.17	67,67,67,67	0
82	MG	1	3934	1/1	0.88	0.32	67,67,67,67	0
82	MG	AR	4021	1/1	0.88	0.27	63,63,63,63	0
82	MG	1	3812	1/1	0.88	0.14	61,61,61,61	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
82	MG	AR	3787	1/1	0.88	0.25	45,45,45,45	0
81	OHX	1	3608[B]	7/7	0.88	0.21	132,136,138,169	7
82	MG	A	1980	1/1	0.88	0.30	69,69,69,69	0
82	MG	1	4074	1/1	0.88	0.29	63,63,63,63	0
82	MG	AR	4029	1/1	0.88	0.22	66,66,66,66	0
82	MG	1	3937	1/1	0.88	0.21	80,80,80,80	0
81	OHX	A	2132	7/7	0.88	0.12	178,188,192,264	0
82	MG	AR	4040	1/1	0.88	0.46	81,81,81,81	0
82	MG	1	3680	1/1	0.88	0.20	66,66,66,66	0
82	MG	1	3681	1/1	0.88	0.20	61,61,61,61	0
82	MG	1	4152	1/1	0.88	0.18	76,76,76,76	0
82	MG	AR	4045	1/1	0.88	0.18	41,41,41,41	0
81	OHX	A	2133	7/7	0.88	0.11	220,224,229,297	0
81	OHX	1	3586	7/7	0.88	0.11	158,166,181,253	0
82	MG	1	3827	1/1	0.88	0.11	79,79,79,79	0
82	MG	3	213	1/1	0.88	0.11	65,65,65,65	0
81	OHX	AS	3530	7/7	0.88	0.15	194,201,206,302	0
82	MG	AR	3844	1/1	0.88	0.28	43,43,43,43	0
82	MG	sR	2164	1/1	0.88	0.15	61,61,61,61	0
82	MG	A	2010	1/1	0.88	0.36	69,69,69,69	0
82	MG	A	2011	1/1	0.88	0.28	59,59,59,59	0
82	MG	4	203	1/1	0.88	0.11	65,65,65,65	0
81	OHX	1	3504	7/7	0.88	0.17	129,134,144,226	0
82	MG	4	217	1/1	0.88	0.35	68,68,68,68	0
82	MG	AR	3863	1/1	0.88	0.33	43,43,43,43	0
81	OHX	1	3579	7/7	0.88	0.12	149,158,165,224	0
82	MG	d3	201	1/1	0.88	0.32	70,70,70,70	0
82	MG	A	2021	1/1	0.88	0.20	69,69,69,69	0
82	MG	A	2022	1/1	0.88	0.29	64,64,64,64	0
82	MG	4	221	1/1	0.88	0.33	46,46,46,46	0
82	MG	AR	4072	1/1	0.88	0.07	65,65,65,65	0
82	MG	1	3836	1/1	0.88	0.14	56,56,56,56	0
82	MG	1	3839	1/1	0.88	0.19	90,90,90,90	0
81	OHX	AR	3591	7/7	0.89	0.13	131,136,146,219	0
82	MG	AR	3743	1/1	0.89	0.23	41,41,41,41	0
82	MG	AR	3744	1/1	0.89	0.33	52,52,52,52	0
82	MG	1	3723	1/1	0.89	0.32	44,44,44,44	0
81	OHX	1	3563	7/7	0.89	0.12	162,164,175,234	0
81	OHX	AR	3593	7/7	0.89	0.15	135,141,151,207	0
82	MG	1	3727	1/1	0.89	0.47	66,66,66,66	0
82	MG	1	3947	1/1	0.89	0.19	71,71,71,71	0
81	OHX	AR	3595	7/7	0.89	0.10	167,174,180,242	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
81	OHX	1	4140	7/7	0.89	0.18	105,106,109,139	7
82	MG	1	4060	1/1	0.89	0.13	52,52,52,52	0
82	MG	AR	3966	1/1	0.89	0.20	59,59,59,59	0
82	MG	1	3951	1/1	0.89	0.19	61,61,61,61	0
81	OHX	1	3507	7/7	0.89	0.13	118,126,130,190	0
81	OHX	1	4068	7/7	0.89	0.14	135,136,149,221	0
82	MG	AR	4151	1/1	0.89	0.24	40,40,40,40	0
82	MG	1	4078	1/1	0.89	0.23	42,42,42,42	0
82	MG	AR	3974	1/1	0.89	0.23	81,81,81,81	0
81	OHX	AR	3644	7/7	0.89	0.18	150,158,167,250	0
82	MG	1	4086	1/1	0.89	0.16	91,91,91,91	0
81	OHX	AR	3646	7/7	0.89	0.09	181,187,193,279	0
82	MG	A	2071	1/1	0.89	0.14	75,75,75,75	0
82	MG	1	3741	1/1	0.89	0.14	52,52,52,52	0
82	MG	AR	3979	1/1	0.89	0.23	76,76,76,76	0
82	MG	1	3743	1/1	0.89	0.25	55,55,55,55	0
82	MG	AR	4173	1/1	0.89	0.29	59,59,59,59	0
82	MG	1	3854	1/1	0.89	0.10	70,70,70,70	0
82	MG	AR	4181	1/1	0.89	0.17	61,61,61,61	0
82	MG	AR	3985	1/1	0.89	0.20	72,72,72,72	0
81	OHX	sR	2015	7/7	0.89	0.10	195,203,208,267	0
82	MG	3	207	1/1	0.89	0.19	61,61,61,61	0
82	MG	1	3857	1/1	0.89	0.38	63,63,63,63	0
81	OHX	AR	3600	7/7	0.89	0.14	160,164,173,221	0
81	OHX	AR	3602	7/7	0.89	0.11	166,170,181,235	0
82	MG	AR	4209	1/1	0.89	0.17	94,94,94,94	0
82	MG	AR	3995	1/1	0.89	0.19	70,70,70,70	0
82	MG	3	216	1/1	0.89	0.08	81,81,81,81	0
81	OHX	AR	3603	7/7	0.89	0.12	118,134,140,226	0
82	MG	AS	3518	1/1	0.89	0.19	80,80,80,80	0
82	MG	AR	3998	1/1	0.89	0.29	63,63,63,63	0
81	OHX	AR	3605	7/7	0.89	0.11	160,166,175,238	0
82	MG	sR	2030	1/1	0.89	0.19	53,53,53,53	0
82	MG	AR	3803	1/1	0.89	0.31	45,45,45,45	0
82	MG	AR	3806	1/1	0.89	0.32	45,45,45,45	0
82	MG	sR	2037	1/1	0.89	0.20	85,85,85,85	0
82	MG	AS	3529	1/1	0.89	0.20	63,63,63,63	0
81	OHX	AR	3608	7/7	0.89	0.17	145,149,163,239	0
81	OHX	1	4132	7/7	0.89	0.09	230,235,238,284	0
81	OHX	A	1949	7/7	0.89	0.12	189,190,195,258	0
82	MG	AT	220	1/1	0.89	0.27	60,60,60,60	0
81	OHX	A	1950	7/7	0.89	0.11	172,180,185,241	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
81	OHX	e	102	7/7	0.89	0.10	202,204,212,283	0
82	MG	sR	2058	1/1	0.89	0.12	79,79,79,79	0
82	MG	AR	4016	1/1	0.89	0.23	67,67,67,67	0
82	MG	1	3873	1/1	0.89	0.38	67,67,67,67	0
82	MG	sR	2061	1/1	0.89	0.28	50,50,50,50	0
82	MG	sR	2064	1/1	0.89	0.20	73,73,73,73	0
82	MG	AR	3827	1/1	0.89	0.38	51,51,51,51	0
82	MG	1	3874	1/1	0.89	0.28	42,42,42,42	0
82	MG	4	229	1/1	0.89	0.17	68,68,68,68	0
82	MG	1	3989	1/1	0.89	0.22	68,68,68,68	0
82	MG	CE	402	1/1	0.89	0.27	52,52,52,52	0
82	MG	CE	406	1/1	0.89	0.24	62,62,62,62	0
81	OHX	1	3591	7/7	0.89	0.11	172,176,185,258	0
81	OHX	AR	3616	7/7	0.89	0.10	184,189,198,274	0
82	MG	sR	2087	1/1	0.89	0.16	59,59,59,59	0
81	OHX	sR	1977	7/7	0.89	0.14	151,156,164,219	0
82	MG	1	3880	1/1	0.89	0.26	72,72,72,72	0
82	MG	sR	2090	1/1	0.89	0.11	73,73,73,73	0
81	OHX	AR	3617	7/7	0.89	0.12	169,173,184,256	0
82	MG	CM	201	1/1	0.89	0.33	77,77,77,77	0
82	MG	AR	4038	1/1	0.89	0.18	50,50,50,50	0
82	MG	1	3778	1/1	0.89	0.37	60,60,60,60	0
82	MG	1	3686	1/1	0.89	0.34	42,42,42,42	0
82	MG	CR	201	1/1	0.89	0.35	45,45,45,45	0
82	MG	CR	202	1/1	0.89	0.17	74,74,74,74	0
82	MG	1	3787	1/1	0.89	0.29	51,51,51,51	0
82	MG	AR	3866	1/1	0.89	0.40	51,51,51,51	0
81	OHX	AR	3537	7/7	0.89	0.12	143,148,158,214	0
82	MG	DC	202	1/1	0.89	0.22	64,64,64,64	0
82	MG	AR	3869	1/1	0.89	0.36	51,51,51,51	0
81	OHX	sR	1984	7/7	0.89	0.11	170,181,186,246	0
82	MG	x	206	1/1	0.89	0.29	61,61,61,61	0
82	MG	1	3790	1/1	0.89	0.30	51,51,51,51	0
82	MG	A	1978	1/1	0.89	0.16	61,61,61,61	0
82	MG	AR	3877	1/1	0.89	0.29	69,69,69,69	0
82	MG	sR	2126	1/1	0.89	0.29	75,75,75,75	0
82	MG	AR	4056	1/1	0.89	0.22	59,59,59,59	0
81	OHX	AR	3659	7/7	0.89	0.15	145,151,157,233	0
82	MG	1	3901	1/1	0.89	0.38	76,76,76,76	0
82	MG	AR	4060	1/1	0.89	0.32	70,70,70,70	0
82	MG	1	3796	1/1	0.89	0.27	45,45,45,45	0
82	MG	AR	3893	1/1	0.89	0.26	61,61,61,61	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
82	MG	AR	3894	1/1	0.89	0.11	64,64,64,64	0
82	MG	A	1995	1/1	0.89	0.29	58,58,58,58	0
82	MG	AB	201	1/1	0.89	0.28	66,66,66,66	0
82	MG	AR	3902	1/1	0.89	0.15	60,60,60,60	0
81	OHX	1	3576	7/7	0.89	0.09	191,192,203,265	0
82	MG	sR	2143	1/1	0.89	0.33	76,76,76,76	0
82	MG	1	3904	1/1	0.89	0.29	67,67,67,67	0
81	OHX	A	1967	7/7	0.89	0.12	178,182,189,251	0
81	OHX	sR	1993	7/7	0.89	0.09	194,197,198,261	0
81	OHX	AR	3551	7/7	0.89	0.12	143,146,158,232	0
81	OHX	A	1969	7/7	0.89	0.12	153,155,163,208	0
82	MG	AR	4080	1/1	0.89	0.16	56,56,56,56	0
82	MG	AR	3913	1/1	0.89	0.26	65,65,65,65	0
82	MG	1	3919	1/1	0.89	0.14	55,55,55,55	0
82	MG	1	3815	1/1	0.89	0.35	71,71,71,71	0
81	OHX	AR	3554	7/7	0.89	0.15	128,130,137,212	0
82	MG	AR	3918	1/1	0.89	0.10	71,71,71,71	0
81	OHX	s4	301	7/7	0.89	0.12	188,189,203,267	0
82	MG	1	3820	1/1	0.89	0.18	45,45,45,45	0
81	OHX	1	4123	7/7	0.89	0.14	170,175,184,263	0
82	MG	1	4034	1/1	0.89	0.37	52,52,52,52	0
81	OHX	AR	3632	7/7	0.89	0.10	180,188,200,270	0
82	MG	AR	3720	1/1	0.89	0.17	50,50,50,50	0
82	MG	s1	302	1/1	0.89	0.15	86,86,86,86	0
82	MG	A	2025	1/1	0.89	0.20	78,78,78,78	0
82	MG	1	4038	1/1	0.89	0.30	56,56,56,56	0
82	MG	s8	303	1/1	0.89	0.18	63,63,63,63	0
82	MG	AR	3932	1/1	0.89	0.35	60,60,60,60	0
82	MG	AR	3722	1/1	0.89	0.31	69,69,69,69	0
82	MG	1	3823	1/1	0.89	0.11	67,67,67,67	0
82	MG	c8	202	1/1	0.89	0.44	79,79,79,79	0
82	MG	AR	3730	1/1	0.89	0.22	65,65,65,65	0
82	MG	A	2034	1/1	0.89	0.13	71,71,71,71	0
82	MG	AR	4123	1/1	0.89	0.23	73,73,73,73	0
82	MG	AR	3944	1/1	0.89	0.26	60,60,60,60	0
81	OHX	1	3551	7/7	0.89	0.13	121,131,149,214	0
82	MG	1	3716	1/1	0.89	0.24	47,47,47,47	0
83	SPD	AR	4206	10/10	0.89	0.20	45,49,50,52	0
81	OHX	1	4125	7/7	0.89	0.14	123,129,144,227	0
82	MG	AR	3820	1/1	0.90	0.25	51,51,51,51	0
82	MG	AR	3824	1/1	0.90	0.36	54,54,54,54	0
82	MG	1	3825	1/1	0.90	0.20	66,66,66,66	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
82	MG	1	3913	1/1	0.90	0.32	76,76,76,76	0
81	OHX	1	3572	7/7	0.90	0.09	160,176,182,239	0
82	MG	A	2070	1/1	0.90	0.15	85,85,85,85	0
82	MG	1	3829	1/1	0.90	0.12	64,64,64,64	0
82	MG	AR	4192	1/1	0.90	0.18	45,45,45,45	0
82	MG	r	301	1/1	0.90	0.24	49,49,49,49	0
82	MG	1	3639	1/1	0.90	0.35	62,62,62,62	0
81	OHX	AR	3639	7/7	0.90	0.13	142,144,151,243	0
81	OHX	CL	302[A]	7/7	0.90	0.29	122,129,137,147	7
82	MG	AS	3515	1/1	0.90	0.34	48,48,48,48	0
82	MG	AR	3847	1/1	0.90	0.34	52,52,52,52	0
82	MG	w	201	1/1	0.90	0.27	89,89,89,89	0
82	MG	AR	3855	1/1	0.90	0.36	54,54,54,54	0
82	MG	x	201	1/1	0.90	0.22	42,42,42,42	0
82	MG	AS	3522	1/1	0.90	0.10	82,82,82,82	0
82	MG	AR	3862	1/1	0.90	0.31	40,40,40,40	0
81	OHX	CL	302[B]	7/7	0.90	0.29	127,130,140,179	7
82	MG	1	3838	1/1	0.90	0.24	75,75,75,75	0
81	OHX	sR	1987	7/7	0.90	0.10	162,169,181,247	0
81	OHX	AR	3588	7/7	0.90	0.13	165,166,172,266	0
82	MG	1	3927	1/1	0.90	0.15	76,76,76,76	0
81	OHX	A	1938	7/7	0.90	0.14	139,147,151,222	0
81	OHX	AR	4199	7/7	0.90	0.09	174,176,182,262	0
82	MG	1	3656	1/1	0.90	0.11	94,94,94,94	0
82	MG	sR	2031	1/1	0.90	0.15	55,55,55,55	0
82	MG	AR	4039	1/1	0.90	0.17	76,76,76,76	0
82	MG	1	4027	1/1	0.90	0.17	42,42,42,42	0
82	MG	1	3657	1/1	0.90	0.33	71,71,71,71	0
82	MG	sR	2039	1/1	0.90	0.18	85,85,85,85	0
82	MG	AR	3880	1/1	0.90	0.25	53,53,53,53	0
82	MG	AR	4043	1/1	0.90	0.17	109,109,109,109	0
81	OHX	sR	1995	7/7	0.90	0.09	226,229,238,302	0
82	MG	sR	2046	1/1	0.90	0.29	51,51,51,51	0
82	MG	sR	2048	1/1	0.90	0.21	57,57,57,57	0
82	MG	AG	203	1/1	0.90	0.29	62,62,62,62	0
82	MG	1	3751	1/1	0.90	0.31	51,51,51,51	0
82	MG	sR	2053	1/1	0.90	0.16	59,59,59,59	0
82	MG	AR	4047	1/1	0.90	0.30	81,81,81,81	0
82	MG	1	4036	1/1	0.90	0.33	76,76,76,76	0
82	MG	AR	3697	1/1	0.90	0.21	45,45,45,45	0
81	OHX	A	2129	7/7	0.90	0.10	172,180,192,257	0
82	MG	AR	3701	1/1	0.90	0.21	53,53,53,53	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
82	MG	1	3670	1/1	0.90	0.22	42,42,42,42	0
82	MG	1	3943	1/1	0.90	0.14	61,61,61,61	0
82	MG	sR	2065	1/1	0.90	0.18	57,57,57,57	0
82	MG	1	3945	1/1	0.90	0.14	49,49,49,49	0
82	MG	AR	3714	1/1	0.90	0.14	46,46,46,46	0
82	MG	1	3671	1/1	0.90	0.27	58,58,58,58	0
82	MG	sR	2073	1/1	0.90	0.26	58,58,58,58	0
81	OHX	A	1940	7/7	0.90	0.12	163,166,171,231	0
82	MG	sR	2078	1/1	0.90	0.18	53,53,53,53	0
82	MG	sR	2079	1/1	0.90	0.31	51,51,51,51	0
82	MG	AR	3912	1/1	0.90	0.19	72,72,72,72	0
82	MG	CR	205	1/1	0.90	0.14	68,68,68,68	0
82	MG	CX	203	1/1	0.90	0.32	43,43,43,43	0
82	MG	AR	4066	1/1	0.90	0.12	73,73,73,73	0
81	OHX	A	1942	7/7	0.90	0.13	145,148,152,220	0
82	MG	AR	4068	1/1	0.90	0.28	69,69,69,69	0
81	OHX	AR	3589	6/7	0.90	0.16	133,145,147,221	0
82	MG	AR	4070	1/1	0.90	0.14	61,61,61,61	0
82	MG	sR	2091	1/1	0.90	0.18	74,74,74,74	0
82	MG	DO	202	1/1	0.90	0.15	73,73,73,73	0
82	MG	1	3950	1/1	0.90	0.36	68,68,68,68	0
82	MG	1	4052	1/1	0.90	0.33	70,70,70,70	0
82	MG	sR	2096	1/1	0.90	0.23	60,60,60,60	0
82	MG	1	4053	1/1	0.90	0.28	50,50,50,50	0
81	OHX	AR	3676	7/7	0.90	0.09	172,178,193,266	0
81	OHX	AR	3619	7/7	0.90	0.09	173,184,189,237	0
82	MG	1	4056	1/1	0.90	0.26	44,44,44,44	0
81	OHX	1	3506	7/7	0.90	0.14	111,121,143,197	0
81	OHX	1	3570	7/7	0.90	0.08	201,206,212,264	0
82	MG	AR	4086	1/1	0.90	0.11	60,60,60,60	0
82	MG	AR	4087	1/1	0.90	0.18	44,44,44,44	0
82	MG	AR	3927	1/1	0.90	0.24	49,49,49,49	0
82	MG	sR	2115	1/1	0.90	0.10	71,71,71,71	0
82	MG	sR	2117	1/1	0.90	0.19	62,62,62,62	0
82	MG	1	3777	1/1	0.90	0.17	42,42,42,42	0
81	OHX	A	1954	7/7	0.90	0.11	144,152,166,227	0
82	MG	1	4062	1/1	0.90	0.24	72,72,72,72	0
82	MG	AR	3933	1/1	0.90	0.20	41,41,41,41	0
82	MG	1	3960	1/1	0.90	0.21	60,60,60,60	0
82	MG	sR	2125	1/1	0.90	0.08	64,64,64,64	0
82	MG	AR	4110	1/1	0.90	0.23	55,55,55,55	0
82	MG	1	4066	1/1	0.90	0.37	65,65,65,65	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
82	MG	AR	3937	1/1	0.90	0.23	59,59,59,59	0
81	OHX	AR	3527	7/7	0.90	0.13	98,105,118,174	0
82	MG	1	3964	1/1	0.90	0.14	60,60,60,60	0
81	OHX	A	1959	7/7	0.90	0.10	175,177,190,248	0
82	MG	1	3696	1/1	0.90	0.21	63,63,63,63	0
82	MG	AR	3757	1/1	0.90	0.25	66,66,66,66	0
82	MG	sR	2135	1/1	0.90	0.34	67,67,67,67	0
82	MG	1	4083	1/1	0.90	0.27	68,68,68,68	0
81	OHX	AR	3594	7/7	0.90	0.11	141,142,148,215	0
81	OHX	AR	3611	7/7	0.90	0.10	154,171,175,231	0
81	OHX	c8	201	7/7	0.90	0.10	168,179,184,232	0
82	MG	1	4148	1/1	0.90	0.07	111,111,111,111	0
82	MG	AR	3766	1/1	0.90	0.37	62,62,62,62	0
82	MG	1	3878	1/1	0.90	0.16	58,58,58,58	0
81	OHX	AR	3666	7/7	0.90	0.10	175,178,188,258	0
82	MG	1	3618	1/1	0.90	0.28	50,50,50,50	0
81	OHX	AR	3612	7/7	0.90	0.14	134,145,157,232	0
82	MG	1	3882	1/1	0.90	0.25	63,63,63,63	0
82	MG	A	2028	1/1	0.90	0.13	97,97,97,97	0
82	MG	sR	2151	1/1	0.90	0.26	68,68,68,68	0
82	MG	1	3982	1/1	0.90	0.21	69,69,69,69	0
82	MG	AR	3968	1/1	0.90	0.24	66,66,66,66	0
82	MG	1	3887	1/1	0.90	0.30	61,61,61,61	0
82	MG	AR	3777	1/1	0.90	0.35	54,54,54,54	0
82	MG	1	3803	1/1	0.90	0.30	48,48,48,48	0
81	OHX	1	3542	7/7	0.90	0.13	144,153,164,222	0
82	MG	1	3893	1/1	0.90	0.38	65,65,65,65	0
82	MG	1	3622	1/1	0.90	0.19	49,49,49,49	0
82	MG	sR	2165	1/1	0.90	0.19	66,66,66,66	0
81	OHX	sR	1961	7/7	0.90	0.15	127,135,144,201	0
82	MG	AR	4146	1/1	0.90	0.28	42,42,42,42	0
82	MG	A	2043	1/1	0.90	0.14	76,76,76,76	0
82	MG	4	219	1/1	0.90	0.24	72,72,72,72	0
82	MG	AR	3795	1/1	0.90	0.37	45,45,45,45	0
81	OHX	AR	3651	7/7	0.90	0.12	151,153,166,247	0
82	MG	AR	3799	1/1	0.90	0.37	49,49,49,49	0
82	MG	c1	201	1/1	0.90	0.26	68,68,68,68	0
82	MG	1	3629	1/1	0.90	0.30	64,64,64,64	0
81	OHX	sR	2017	7/7	0.90	0.12	163,164,173,262	0
82	MG	AR	4158	1/1	0.90	0.33	75,75,75,75	0
82	MG	AR	3986	1/1	0.90	0.20	56,56,56,56	0
82	MG	1	3998	1/1	0.90	0.17	64,64,64,64	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
81	OHX	AR	3581	7/7	0.90	0.12	144,152,162,228	0
82	MG	1	3724	1/1	0.90	0.33	42,42,42,42	0
82	MG	1	3632	1/1	0.90	0.15	47,47,47,47	0
81	OHX	sR	1976	7/7	0.90	0.10	177,186,196,243	0
81	OHX	AR	3615	7/7	0.90	0.10	165,169,176,235	0
82	MG	AR	4180	1/1	0.90	0.25	66,66,66,66	0
85	ZN	e1	501	1/1	0.90	0.14	144,144,144,144	0
82	MG	1	3679	1/1	0.91	0.23	68,68,68,68	0
82	MG	AR	3901	1/1	0.91	0.22	56,56,56,56	0
82	MG	A	2084	1/1	0.91	0.28	57,57,57,57	0
82	MG	1	4005	1/1	0.91	0.19	102,102,102,102	0
81	OHX	1	3550	7/7	0.91	0.10	158,163,171,222	0
81	OHX	AR	3597	7/7	0.91	0.12	134,135,145,208	0
81	OHX	A	1963	7/7	0.91	0.09	176,182,189,242	0
82	MG	A	2090	1/1	0.91	0.10	74,74,74,74	0
82	MG	AR	3906	1/1	0.91	0.20	43,43,43,43	0
82	MG	AR	3907	1/1	0.91	0.20	53,53,53,53	0
82	MG	AS	3528	1/1	0.91	0.18	56,56,56,56	0
82	MG	1	3684	1/1	0.91	0.32	57,57,57,57	0
81	OHX	Q	201	7/7	0.91	0.09	219,224,231,285	0
81	OHX	AR	3628	7/7	0.91	0.12	147,151,155,219	0
82	MG	4	218	1/1	0.91	0.31	69,69,69,69	0
82	MG	AR	3759	1/1	0.91	0.10	80,80,80,80	0
82	MG	1	3763	1/1	0.91	0.29	48,48,48,48	0
82	MG	A	2151	1/1	0.91	0.08	68,68,68,68	0
82	MG	X	201	1/1	0.91	0.12	58,58,58,58	0
82	MG	1	3851	1/1	0.91	0.18	70,70,70,70	0
82	MG	1	3689	1/1	0.91	0.27	71,71,71,71	0
81	OHX	AR	3558	7/7	0.91	0.12	151,155,158,217	0
82	MG	1	4019	1/1	0.91	0.08	57,57,57,57	0
82	MG	AT	228	1/1	0.91	0.33	61,61,61,61	0
82	MG	sR	2034	1/1	0.91	0.24	56,56,56,56	0
82	MG	1	3767	1/1	0.91	0.34	51,51,51,51	0
81	OHX	sR	2014	7/7	0.91	0.10	160,165,174,224	0
82	MG	AR	4062	1/1	0.91	0.26	53,53,53,53	0
82	MG	sR	2040	1/1	0.91	0.33	60,60,60,60	0
81	OHX	AR	3574	7/7	0.91	0.12	135,137,141,206	0
82	MG	CE	405	1/1	0.91	0.36	42,42,42,42	0
82	MG	sR	2044	1/1	0.91	0.22	63,63,63,63	0
81	OHX	1	3547	7/7	0.91	0.10	152,157,165,219	0
82	MG	AR	4065	1/1	0.91	0.18	70,70,70,70	0
82	MG	AR	3926	1/1	0.91	0.31	69,69,69,69	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
81	OHX	sR	1969	7/7	0.91	0.11	129,131,137,202	0
81	OHX	AR	3601	7/7	0.91	0.13	123,133,142,218	0
82	MG	AR	3929	1/1	0.91	0.26	49,49,49,49	0
81	OHX	AP	502	7/7	0.91	0.15	132,140,152,236	0
82	MG	1	3785	1/1	0.91	0.21	42,42,42,42	0
82	MG	1	3704	1/1	0.91	0.13	62,62,62,62	0
82	MG	CP	304	1/1	0.91	0.17	56,56,56,56	0
82	MG	CP	305	1/1	0.91	0.17	66,66,66,66	0
81	OHX	A	1973	7/7	0.91	0.11	149,151,157,209	0
82	MG	sR	2063	1/1	0.91	0.12	59,59,59,59	0
82	MG	r	303	1/1	0.91	0.16	55,55,55,55	0
81	OHX	AR	3685	7/7	0.91	0.11	135,141,158,217	0
82	MG	sR	2067	1/1	0.91	0.31	48,48,48,48	0
82	MG	AR	3784	1/1	0.91	0.15	50,50,50,50	0
82	MG	CR	204	1/1	0.91	0.33	58,58,58,58	0
82	MG	t	201	1/1	0.91	0.09	63,63,63,63	0
81	OHX	AR	3472	7/7	0.91	0.18	113,115,123,189	0
82	MG	1	3793	1/1	0.91	0.35	67,67,67,67	0
82	MG	sR	2075	1/1	0.91	0.22	69,69,69,69	0
82	MG	sR	2076	1/1	0.91	0.16	68,68,68,68	0
82	MG	sR	2077	1/1	0.91	0.41	70,70,70,70	0
82	MG	AR	3948	1/1	0.91	0.15	68,68,68,68	0
82	MG	DA	202	1/1	0.91	0.36	65,65,65,65	0
82	MG	sR	2080	1/1	0.91	0.29	69,69,69,69	0
82	MG	AR	4088	1/1	0.91	0.13	60,60,60,60	0
82	MG	AR	3790	1/1	0.91	0.23	49,49,49,49	0
82	MG	AR	4092	1/1	0.91	0.11	65,65,65,65	0
81	OHX	AR	3604	7/7	0.91	0.11	144,149,156,235	0
82	MG	1	3954	1/1	0.91	0.23	68,68,68,68	0
82	MG	AR	3798	1/1	0.91	0.23	48,48,48,48	0
82	MG	AR	4101	1/1	0.91	0.10	69,69,69,69	0
81	OHX	AR	3584	7/7	0.91	0.10	134,138,153,217	0
82	MG	AR	3957	1/1	0.91	0.37	61,61,61,61	0
82	MG	AR	3800	1/1	0.91	0.26	42,42,42,42	0
82	MG	1	3713	1/1	0.91	0.24	52,52,52,52	0
81	OHX	AR	3607	7/7	0.91	0.13	140,148,157,231	0
81	OHX	AR	3585	7/7	0.91	0.10	150,160,171,238	0
82	MG	sR	2097	1/1	0.91	0.14	74,74,74,74	0
81	OHX	AR	3586	7/7	0.91	0.11	143,146,155,217	0
82	MG	sR	2100	1/1	0.91	0.21	50,50,50,50	0
82	MG	AR	4117	1/1	0.91	0.23	47,47,47,47	0
82	MG	1	3963	1/1	0.91	0.13	71,71,71,71	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
82	MG	1	3811	1/1	0.91	0.15	61,61,61,61	0
82	MG	AB	202	1/1	0.91	0.17	69,69,69,69	0
81	OHX	A	2128	7/7	0.91	0.14	157,161,162,227	0
82	MG	1	3722	1/1	0.91	0.26	48,48,48,48	0
82	MG	1	3647	1/1	0.91	0.22	65,65,65,65	0
82	MG	1	3890	1/1	0.91	0.15	50,50,50,50	0
81	OHX	sR	1994	7/7	0.91	0.10	162,167,174,232	0
82	MG	sR	2116	1/1	0.91	0.12	78,78,78,78	0
82	MG	AR	3829	1/1	0.91	0.41	50,50,50,50	0
82	MG	1	3892	1/1	0.91	0.29	72,72,72,72	0
81	OHX	1	4139	7/7	0.91	0.27	106,108,110,130	7
81	OHX	AR	3521	7/7	0.91	0.13	94,105,127,178	0
81	OHX	1	4116	7/7	0.91	0.10	141,152,159,216	0
82	MG	A	2013	1/1	0.91	0.23	73,73,73,73	0
82	MG	AR	3841	1/1	0.91	0.20	42,42,42,42	0
82	MG	AR	3842	1/1	0.91	0.32	53,53,53,53	0
82	MG	AR	3843	1/1	0.91	0.42	52,52,52,52	0
82	MG	AR	3984	1/1	0.91	0.21	67,67,67,67	0
82	MG	AR	4138	1/1	0.91	0.19	55,55,55,55	0
81	OHX	1	3512	7/7	0.91	0.12	132,137,143,204	0
81	OHX	AR	3535	7/7	0.91	0.12	110,122,127,191	0
82	MG	1	3662	1/1	0.91	0.25	54,54,54,54	0
82	MG	AR	3848	1/1	0.91	0.22	44,44,44,44	0
82	MG	AR	3709	1/1	0.91	0.27	62,62,62,62	0
81	OHX	A	1951	7/7	0.91	0.10	163,167,177,227	0
82	MG	AR	3711	1/1	0.91	0.32	60,60,60,60	0
82	MG	sR	2140	1/1	0.91	0.31	66,66,66,66	0
82	MG	1	3826	1/1	0.91	0.21	65,65,65,65	0
82	MG	1	4079	1/1	0.91	0.20	64,64,64,64	0
81	OHX	3	203	7/7	0.91	0.11	144,148,156,216	0
82	MG	1	3667	1/1	0.91	0.24	60,60,60,60	0
82	MG	1	4084	1/1	0.91	0.10	79,79,79,79	0
82	MG	AR	4154	1/1	0.91	0.29	70,70,70,70	0
82	MG	1	3830	1/1	0.91	0.34	69,69,69,69	0
82	MG	AR	3868	1/1	0.91	0.27	48,48,48,48	0
82	MG	AR	4159	1/1	0.91	0.12	46,46,46,46	0
82	MG	A	2041	1/1	0.91	0.15	96,96,96,96	0
82	MG	AR	4160	1/1	0.91	0.31	45,45,45,45	0
82	MG	1	3906	1/1	0.91	0.14	55,55,55,55	0
82	MG	AR	4007	1/1	0.91	0.13	53,53,53,53	0
82	MG	AR	4163	1/1	0.91	0.13	51,51,51,51	0
82	MG	1	3994	1/1	0.91	0.18	42,42,42,42	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
82	MG	AR	4009	1/1	0.91	0.07	58,58,58,58	0
82	MG	AR	4167	1/1	0.91	0.21	51,51,51,51	0
82	MG	A	2050	1/1	0.91	0.12	81,81,81,81	0
82	MG	AR	3874	1/1	0.91	0.21	62,62,62,62	0
82	MG	AR	3726	1/1	0.91	0.22	58,58,58,58	0
82	MG	AR	4014	1/1	0.91	0.27	74,74,74,74	0
82	MG	A	2054	1/1	0.91	0.22	65,65,65,65	0
82	MG	1	3669	1/1	0.91	0.45	76,76,76,76	0
82	MG	AR	3728	1/1	0.91	0.12	46,46,46,46	0
82	MG	AR	3878	1/1	0.91	0.28	43,43,43,43	0
82	MG	AR	4185	1/1	0.91	0.28	66,66,66,66	0
82	MG	AR	4186	1/1	0.91	0.34	69,69,69,69	0
82	MG	A	2060	1/1	0.91	0.21	74,74,74,74	0
82	MG	c4	2201	1/1	0.91	0.08	74,74,74,74	0
82	MG	1	4150	1/1	0.91	0.25	66,66,66,66	0
81	OHX	3	205	7/7	0.91	0.10	152,155,158,210	0
81	OHX	1	3577	7/7	0.91	0.11	159,165,171,246	0
82	MG	AR	3736	1/1	0.91	0.15	60,60,60,60	0
82	MG	d3	202	1/1	0.91	0.37	67,67,67,67	0
82	MG	d4	201	1/1	0.91	0.15	64,64,64,64	0
82	MG	AR	3890	1/1	0.91	0.26	86,86,86,86	0
81	OHX	AR	3622	7/7	0.91	0.08	193,195,204,265	0
82	MG	AR	4194	1/1	0.91	0.12	72,72,72,72	0
81	OHX	A	1960	7/7	0.91	0.10	190,196,201,255	0
82	MG	AR	3896	1/1	0.91	0.26	56,56,56,56	0
82	MG	AS	3513	1/1	0.91	0.17	62,62,62,62	0
85	ZN	DI	202	1/1	0.91	0.09	110,110,110,110	0
82	MG	AR	4031	1/1	0.91	0.17	56,56,56,56	0
82	MG	A	2078	1/1	0.91	0.14	64,64,64,64	0
82	MG	A	2079	1/1	0.92	0.41	52,52,52,52	0
82	MG	AR	4190	1/1	0.92	0.18	76,76,76,76	0
82	MG	1	4000	1/1	0.92	0.12	106,106,106,106	0
82	MG	A	2082	1/1	0.92	0.37	56,56,56,56	0
82	MG	1	3889	1/1	0.92	0.18	70,70,70,70	0
82	MG	1	3783	1/1	0.92	0.28	43,43,43,43	0
82	MG	AR	3834	1/1	0.92	0.28	54,54,54,54	0
81	OHX	AR	3573	7/7	0.92	0.10	146,154,166,230	0
82	MG	AR	3837	1/1	0.92	0.24	41,41,41,41	0
81	OHX	1	3526	7/7	0.92	0.10	155,161,165,229	0
82	MG	v	304	1/1	0.92	0.34	63,63,63,63	0
81	OHX	1	3606	7/7	0.92	0.13	143,146,152,218	0
82	MG	1	4008	1/1	0.92	0.09	67,67,67,67	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
81	OHX	A	1972	7/7	0.92	0.09	188,192,196,254	0
82	MG	AR	4018	1/1	0.92	0.26	68,68,68,68	0
82	MG	x	204	1/1	0.92	0.38	57,57,57,57	0
82	MG	x	205	1/1	0.92	0.17	50,50,50,50	0
81	OHX	1	3553	7/7	0.92	0.14	142,147,153,223	0
82	MG	1	3698	1/1	0.92	0.23	54,54,54,54	0
82	MG	1	3699	1/1	0.92	0.35	60,60,60,60	0
82	MG	1	3898	1/1	0.92	0.26	46,46,46,46	0
82	MG	AT	204	1/1	0.92	0.16	82,82,82,82	0
82	MG	AR	4028	1/1	0.92	0.10	59,59,59,59	0
82	MG	sR	2029	1/1	0.92	0.29	60,60,60,60	0
81	OHX	sR	1998	7/7	0.92	0.11	154,160,167,230	0
81	OHX	AR	3579	7/7	0.92	0.11	116,122,129,189	0
81	OHX	1	4127	7/7	0.92	0.10	205,209,216,277	0
82	MG	AR	4032	1/1	0.92	0.11	54,54,54,54	0
81	OHX	AR	3621	7/7	0.92	0.11	142,147,158,228	0
82	MG	AR	4035	1/1	0.92	0.10	70,70,70,70	0
82	MG	sR	2038	1/1	0.92	0.26	59,59,59,59	0
82	MG	1	3624	1/1	0.92	0.19	45,45,45,45	0
82	MG	1	3807	1/1	0.92	0.25	41,41,41,41	0
81	OHX	1	3534	7/7	0.92	0.11	116,124,135,201	0
82	MG	1	3907	1/1	0.92	0.11	84,84,84,84	0
82	MG	AT	230	1/1	0.92	0.25	48,48,48,48	0
82	MG	1	3710	1/1	0.92	0.35	44,44,44,44	0
82	MG	1	3911	1/1	0.92	0.11	59,59,59,59	0
82	MG	AR	3693	1/1	0.92	0.11	54,54,54,54	0
81	OHX	1	3573	7/7	0.92	0.10	150,156,169,225	0
82	MG	AR	3698	1/1	0.92	0.29	62,62,62,62	0
82	MG	sR	2052	1/1	0.92	0.21	65,65,65,65	0
81	OHX	1	3537	7/7	0.92	0.10	143,146,154,212	0
82	MG	sR	2054	1/1	0.92	0.13	62,62,62,62	0
82	MG	1	3916	1/1	0.92	0.17	61,61,61,61	0
82	MG	1	4030	1/1	0.92	0.32	58,58,58,58	0
82	MG	sR	2057	1/1	0.92	0.32	87,87,87,87	0
82	MG	CG	304	1/1	0.92	0.08	63,63,63,63	0
82	MG	1	3816	1/1	0.92	0.16	55,55,55,55	0
82	MG	AR	3888	1/1	0.92	0.30	61,61,61,61	0
81	OHX	1	3509	7/7	0.92	0.12	138,139,146,210	0
82	MG	sR	2062	1/1	0.92	0.22	62,62,62,62	0
82	MG	1	3714	1/1	0.92	0.27	42,42,42,42	0
82	MG	AR	3891	1/1	0.92	0.23	52,52,52,52	0
81	OHX	AR	3629	7/7	0.92	0.10	151,153,163,227	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
81	OHX	1	3558	7/7	0.92	0.10	153,158,166,235	0
81	OHX	1	3541	7/7	0.92	0.10	137,144,156,203	0
82	MG	AR	3898	1/1	0.92	0.14	68,68,68,68	0
82	MG	1	3719	1/1	0.92	0.36	42,42,42,42	0
82	MG	sR	2072	1/1	0.92	0.22	49,49,49,49	0
81	OHX	AR	3590	7/7	0.92	0.12	147,148,154,218	0
82	MG	1	3721	1/1	0.92	0.22	46,46,46,46	0
81	OHX	1	3511	7/7	0.92	0.12	142,148,154,222	0
82	MG	1	3929	1/1	0.92	0.14	55,55,55,55	0
81	OHX	1	3487	7/7	0.92	0.13	114,119,125,182	0
82	MG	AR	3725	1/1	0.92	0.24	42,42,42,42	0
82	MG	AR	4071	1/1	0.92	0.15	67,67,67,67	0
82	MG	DC	201	1/1	0.92	0.31	74,74,74,74	0
81	OHX	DQ	502	7/7	0.92	0.15	142,151,165,248	0
81	OHX	A	1926	7/7	0.92	0.11	176,177,181,232	0
82	MG	DH	201	1/1	0.92	0.13	59,59,59,59	0
81	OHX	A	1933	7/7	0.92	0.10	147,151,157,219	0
82	MG	AR	3729	1/1	0.92	0.23	59,59,59,59	0
82	MG	AR	3911	1/1	0.92	0.15	64,64,64,64	0
82	MG	DQ	504	1/1	0.92	0.24	56,56,56,56	0
81	OHX	A	1935	7/7	0.92	0.12	152,158,167,223	0
82	MG	1	3833	1/1	0.92	0.30	65,65,65,65	0
82	MG	1	3649	1/1	0.92	0.30	61,61,61,61	0
82	MG	1	3939	1/1	0.92	0.20	69,69,69,69	0
82	MG	sR	2094	1/1	0.92	0.11	69,69,69,69	0
82	MG	1	3942	1/1	0.92	0.12	54,54,54,54	0
81	OHX	1	3514	7/7	0.92	0.12	143,150,160,217	0
82	MG	1	3944	1/1	0.92	0.15	43,43,43,43	0
82	MG	1	3837	1/1	0.92	0.11	47,47,47,47	0
82	MG	AR	3745	1/1	0.92	0.23	54,54,54,54	0
82	MG	sR	2101	1/1	0.92	0.15	87,87,87,87	0
82	MG	1	4063	1/1	0.92	0.11	43,43,43,43	0
81	OHX	1	3616	7/7	0.92	0.16	95,107,115,153	0
82	MG	AR	4099	1/1	0.92	0.25	123,123,123,123	0
82	MG	A	1997	1/1	0.92	0.23	59,59,59,59	0
82	MG	sR	2108	1/1	0.92	0.11	73,73,73,73	0
81	OHX	1	3546	7/7	0.92	0.11	147,149,163,226	0
82	MG	1	4067	1/1	0.92	0.12	54,54,54,54	0
82	MG	AR	3752	1/1	0.92	0.16	57,57,57,57	0
82	MG	AR	3754	1/1	0.92	0.19	42,42,42,42	0
82	MG	1	3735	1/1	0.92	0.22	46,46,46,46	0
82	MG	A	2005	1/1	0.92	0.28	88,88,88,88	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
81	OHX	1	3516	7/7	0.92	0.10	162,167,172,227	0
82	MG	1	4077	1/1	0.92	0.17	59,59,59,59	0
82	MG	AR	3934	1/1	0.92	0.12	50,50,50,50	0
82	MG	sR	2120	1/1	0.92	0.18	65,65,65,65	0
82	MG	AR	4116	1/1	0.92	0.16	85,85,85,85	0
82	MG	1	3738	1/1	0.92	0.12	64,64,64,64	0
81	OHX	1	4141	7/7	0.92	0.09	169,173,183,222	7
82	MG	1	4081	1/1	0.92	0.11	68,68,68,68	0
82	MG	A	2015	1/1	0.92	0.23	66,66,66,66	0
82	MG	AR	3941	1/1	0.92	0.08	47,47,47,47	0
81	OHX	1	3469	7/7	0.92	0.14	88,105,112,161	0
82	MG	1	3658	1/1	0.92	0.20	57,57,57,57	0
82	MG	1	3848	1/1	0.92	0.26	62,62,62,62	0
82	MG	1	3660	1/1	0.92	0.37	64,64,64,64	0
82	MG	sR	2132	1/1	0.92	0.18	68,68,68,68	0
81	OHX	1	4107	7/7	0.92	0.11	110,115,125,171	0
82	MG	AR	3949	1/1	0.92	0.09	68,68,68,68	0
82	MG	AR	3951	1/1	0.92	0.41	63,63,63,63	0
81	OHX	3	204	7/7	0.92	0.11	142,146,150,216	0
82	MG	1	3749	1/1	0.92	0.23	48,48,48,48	0
82	MG	1	3961	1/1	0.92	0.14	78,78,78,78	0
81	OHX	1	3524	7/7	0.92	0.12	151,156,172,246	0
81	OHX	AR	3555	7/7	0.92	0.11	125,131,136,197	0
81	OHX	sR	1967	7/7	0.92	0.12	149,155,160,214	0
82	MG	A	2032	1/1	0.92	0.23	65,65,65,65	0
82	MG	1	3753	1/1	0.92	0.22	61,61,61,61	0
81	OHX	AR	3556	7/7	0.92	0.14	116,120,128,188	0
82	MG	AR	3779	1/1	0.92	0.13	42,42,42,42	0
82	MG	AR	3780	1/1	0.92	0.18	47,47,47,47	0
82	MG	1	3968	1/1	0.92	0.20	76,76,76,76	0
82	MG	1	3863	1/1	0.92	0.23	74,74,74,74	0
81	OHX	1	3503	7/7	0.92	0.11	115,129,139,214	0
82	MG	1	3756	1/1	0.92	0.23	63,63,63,63	0
82	MG	1	3758	1/1	0.92	0.35	44,44,44,44	0
82	MG	1	3759	1/1	0.92	0.32	44,44,44,44	0
82	MG	A	2044	1/1	0.92	0.20	80,80,80,80	0
81	OHX	AR	3561	7/7	0.92	0.14	120,126,133,199	0
82	MG	sR	2157	1/1	0.92	0.10	80,80,80,80	0
82	MG	AR	3792	1/1	0.92	0.39	42,42,42,42	0
82	MG	AR	3794	1/1	0.92	0.09	55,55,55,55	0
82	MG	sR	2162	1/1	0.92	0.10	47,47,47,47	0
82	MG	1	3675	1/1	0.92	0.28	46,46,46,46	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
82	MG	AR	3796	1/1	0.92	0.23	57,57,57,57	0
81	OHX	AR	3562	7/7	0.92	0.13	136,140,150,212	0
81	OHX	AR	3563	7/7	0.92	0.12	125,136,151,197	0
81	OHX	AR	3609	7/7	0.92	0.13	143,149,156,236	0
82	MG	1	3766	1/1	0.92	0.27	42,42,42,42	0
81	OHX	AR	3610	7/7	0.92	0.14	125,131,141,202	0
81	OHX	AR	3570	7/7	0.92	0.11	135,139,149,221	0
81	OHX	A	1965	7/7	0.92	0.09	173,176,192,241	0
81	OHX	sR	1988	7/7	0.92	0.10	147,165,166,226	0
82	MG	1	3772	1/1	0.92	0.18	59,59,59,59	0
82	MG	c4	2202	1/1	0.92	0.18	57,57,57,57	0
82	MG	AR	3812	1/1	0.92	0.25	58,58,58,58	0
82	MG	AR	3813	1/1	0.92	0.24	48,48,48,48	0
82	MG	A	2061	1/1	0.92	0.17	86,86,86,86	0
82	MG	AR	4172	1/1	0.92	0.11	56,56,56,56	0
82	MG	1	3687	1/1	0.92	0.14	45,45,45,45	0
82	MG	d3	204	1/1	0.92	0.27	49,49,49,49	0
82	MG	1	3883	1/1	0.92	0.19	60,60,60,60	0
82	MG	1	3996	1/1	0.92	0.18	70,70,70,70	0
82	MG	AR	3818	1/1	0.92	0.24	41,41,41,41	0
82	MG	AR	4183	1/1	0.92	0.09	51,51,51,51	0
81	OHX	AR	3571	7/7	0.92	0.12	126,131,136,205	0
82	MG	AR	3822	1/1	0.92	0.29	69,69,69,69	0
82	MG	d9	102	1/1	0.92	0.11	78,78,78,78	0
81	OHX	AR	3572	7/7	0.92	0.11	130,135,146,206	0
84	XBI	AR	4222	26/26	0.92	0.14	57,61,64,65	0
82	MG	o	301	1/1	0.92	0.19	65,65,65,65	0
82	MG	1	3999	1/1	0.92	0.12	82,82,82,82	0
82	MG	AR	4001	1/1	0.92	0.23	58,58,58,58	0
82	MG	AS	3523	1/1	0.93	0.10	80,80,80,80	0
82	MG	1	4069	1/1	0.93	0.31	59,59,59,59	0
82	MG	AR	3724	1/1	0.93	0.31	56,56,56,56	0
82	MG	AR	4033	1/1	0.93	0.09	58,58,58,58	0
82	MG	1	3641	1/1	0.93	0.18	47,47,47,47	0
82	MG	AR	3881	1/1	0.93	0.09	48,48,48,48	0
82	MG	AR	4036	1/1	0.93	0.18	57,57,57,57	0
82	MG	AT	217	1/1	0.93	0.16	49,49,49,49	0
82	MG	F	301	1/1	0.93	0.17	81,81,81,81	0
82	MG	O	202	1/1	0.93	0.21	71,71,71,71	0
82	MG	P	201	1/1	0.93	0.08	69,69,69,69	0
82	MG	1	4073	1/1	0.93	0.25	69,69,69,69	0
82	MG	1	3969	1/1	0.93	0.11	66,66,66,66	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
82	MG	AR	3887	1/1	0.93	0.17	53,53,53,53	0
81	OHX	1	3545	7/7	0.93	0.09	205,206,211,259	0
82	MG	1	3884	1/1	0.93	0.32	65,65,65,65	0
81	OHX	AR	3523	7/7	0.93	0.11	142,146,156,214	0
82	MG	sR	2032	1/1	0.93	0.14	73,73,73,73	0
82	MG	1	4080	1/1	0.93	0.30	60,60,60,60	0
82	MG	AR	3892	1/1	0.93	0.22	72,72,72,72	0
81	OHX	1	4126	7/7	0.93	0.08	175,185,196,270	0
82	MG	AR	3734	1/1	0.93	0.19	41,41,41,41	0
82	MG	1	3646	1/1	0.93	0.25	55,55,55,55	0
82	MG	AR	3897	1/1	0.93	0.13	44,44,44,44	0
82	MG	1	3977	1/1	0.93	0.33	79,79,79,79	0
82	MG	AR	3739	1/1	0.93	0.20	63,63,63,63	0
82	MG	AR	4053	1/1	0.93	0.17	73,73,73,73	0
82	MG	AR	4054	1/1	0.93	0.17	53,53,53,53	0
81	OHX	1	3480	7/7	0.93	0.13	119,127,135,181	0
82	MG	1	3808	1/1	0.93	0.28	45,45,45,45	0
82	MG	CF	401	1/1	0.93	0.17	62,62,62,62	0
82	MG	sR	2049	1/1	0.93	0.16	67,67,67,67	0
81	OHX	1	4103	7/7	0.93	0.13	122,126,130,197	0
82	MG	AR	4059	1/1	0.93	0.25	76,76,76,76	0
82	MG	CI	301	1/1	0.93	0.16	65,65,65,65	0
82	MG	1	3981	1/1	0.93	0.17	54,54,54,54	0
81	OHX	1	3587	7/7	0.93	0.11	143,149,157,220	0
82	MG	1	3813	1/1	0.93	0.25	64,64,64,64	0
82	MG	AR	3749	1/1	0.93	0.17	69,69,69,69	0
81	OHX	A	1957	7/7	0.93	0.11	173,174,180,238	0
81	OHX	AR	3636	7/7	0.93	0.09	142,153,161,222	0
81	OHX	sR	1956	7/7	0.93	0.11	138,142,149,177	0
82	MG	1	3655	1/1	0.93	0.22	42,42,42,42	0
82	MG	1	3990	1/1	0.93	0.22	67,67,67,67	0
82	MG	3	210	1/1	0.93	0.08	45,45,45,45	0
82	MG	3	211	1/1	0.93	0.31	45,45,45,45	0
82	MG	1	3991	1/1	0.93	0.08	68,68,68,68	0
81	OHX	1	3518	7/7	0.93	0.10	134,138,148,204	0
82	MG	sR	2066	1/1	0.93	0.22	46,46,46,46	0
82	MG	AR	3761	1/1	0.93	0.25	44,44,44,44	0
82	MG	3	214	1/1	0.93	0.19	56,56,56,56	0
82	MG	sR	2069	1/1	0.93	0.31	62,62,62,62	0
82	MG	AR	3920	1/1	0.93	0.14	46,46,46,46	0
82	MG	1	3900	1/1	0.93	0.26	58,58,58,58	0
82	MG	1	3728	1/1	0.93	0.24	45,45,45,45	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
81	OHX	AR	4205	6/7	0.93	0.11	139,142,146,213	0
82	MG	AR	4081	1/1	0.93	0.09	61,61,61,61	0
82	MG	AR	4083	1/1	0.93	0.18	69,69,69,69	0
81	OHX	sR	1965	7/7	0.93	0.09	122,124,135,187	0
82	MG	AR	4085	1/1	0.93	0.21	66,66,66,66	0
81	OHX	sR	1966	7/7	0.93	0.10	123,126,142,203	0
81	OHX	AS	3509	7/7	0.93	0.11	129,134,140,197	0
81	OHX	AR	3548	7/7	0.93	0.11	125,127,139,193	0
82	MG	1	3664	1/1	0.93	0.29	60,60,60,60	0
82	MG	AR	4091	1/1	0.93	0.08	75,75,75,75	0
81	OHX	AR	3582	7/7	0.93	0.10	120,125,133,192	0
82	MG	sR	2085	1/1	0.93	0.20	54,54,54,54	0
81	OHX	sR	1973	7/7	0.93	0.11	138,142,146,199	0
82	MG	A	1983	1/1	0.93	0.15	63,63,63,63	0
81	OHX	sR	1975	7/7	0.93	0.13	126,136,142,209	0
82	MG	AR	4096	1/1	0.93	0.30	55,55,55,55	0
82	MG	1	3914	1/1	0.93	0.24	56,56,56,56	0
81	OHX	v	301	7/7	0.93	0.11	128,130,143,200	0
81	OHX	AR	3552	7/7	0.93	0.12	116,124,133,190	0
82	MG	A	1993	1/1	0.93	0.35	63,63,63,63	0
82	MG	A	1994	1/1	0.93	0.24	62,62,62,62	0
82	MG	1	3917	1/1	0.93	0.12	76,76,76,76	0
82	MG	AR	4105	1/1	0.93	0.17	52,52,52,52	0
81	OHX	1	3508	7/7	0.93	0.10	125,128,134,192	0
82	MG	AR	4108	1/1	0.93	0.41	63,63,63,63	0
82	MG	AR	4109	1/1	0.93	0.12	43,43,43,43	0
82	MG	1	4011	1/1	0.93	0.31	76,76,76,76	0
82	MG	AR	3943	1/1	0.93	0.20	52,52,52,52	0
82	MG	1	3747	1/1	0.93	0.34	47,47,47,47	0
82	MG	1	3835	1/1	0.93	0.10	78,78,78,78	0
82	MG	l	403	1/1	0.93	0.10	64,64,64,64	0
82	MG	sR	2106	1/1	0.93	0.08	63,63,63,63	0
82	MG	1	3674	1/1	0.93	0.24	42,42,42,42	0
82	MG	AR	3788	1/1	0.93	0.32	43,43,43,43	0
81	OHX	1	4118	7/7	0.93	0.09	131,137,141,211	0
82	MG	sR	2111	1/1	0.93	0.08	78,78,78,78	0
82	MG	AR	3791	1/1	0.93	0.33	41,41,41,41	0
82	MG	1	3676	1/1	0.93	0.19	43,43,43,43	0
81	OHX	sR	1981	7/7	0.93	0.11	150,153,160,211	0
82	MG	1	3925	1/1	0.93	0.08	68,68,68,68	0
81	OHX	1	3528	7/7	0.93	0.10	122,129,133,195	0
81	OHX	sR	1985	7/7	0.93	0.12	129,136,147,202	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
81	OHX	AR	3645	7/7	0.93	0.10	127,134,149,214	0
81	OHX	1	3532	7/7	0.93	0.10	148,152,158,217	0
81	OHX	AR	3560	7/7	0.93	0.10	146,149,155,217	0
82	MG	1	3685	1/1	0.93	0.22	43,43,43,43	0
82	MG	AR	3802	1/1	0.93	0.39	49,49,49,49	0
81	OHX	3	218	7/7	0.93	0.11	129,140,144,204	0
82	MG	AR	3804	1/1	0.93	0.34	55,55,55,55	0
82	MG	x	203	1/1	0.93	0.23	50,50,50,50	0
82	MG	AR	3967	1/1	0.93	0.12	66,66,66,66	0
81	OHX	sR	1990	7/7	0.93	0.09	164,170,177,235	0
81	OHX	AR	3494	7/7	0.93	0.09	122,127,138,190	0
82	MG	AR	3811	1/1	0.93	0.36	41,41,41,41	0
81	OHX	sR	1992	7/7	0.93	0.09	156,167,174,233	0
81	OHX	1	3522	7/7	0.93	0.09	136,144,147,198	0
82	MG	AR	3814	1/1	0.93	0.17	53,53,53,53	0
82	MG	A	2035	1/1	0.93	0.13	60,60,60,60	0
82	MG	1	3938	1/1	0.93	0.32	70,70,70,70	0
82	MG	6	201	1/1	0.93	0.35	46,46,46,46	0
81	OHX	CS	201	7/7	0.93	0.12	143,146,151,232	0
82	MG	1	4035	1/1	0.93	0.35	61,61,61,61	0
82	MG	AR	3819	1/1	0.93	0.34	40,40,40,40	0
82	MG	1	3855	1/1	0.93	0.15	51,51,51,51	0
82	MG	1	3694	1/1	0.93	0.17	45,45,45,45	0
81	OHX	A	2120	7/7	0.93	0.10	155,159,163,211	0
82	MG	1	3858	1/1	0.93	0.12	47,47,47,47	0
81	OHX	AR	3620	7/7	0.93	0.09	150,159,167,227	0
82	MG	AR	3987	1/1	0.93	0.18	56,56,56,56	0
82	MG	AR	3828	1/1	0.93	0.40	56,56,56,56	0
81	OHX	A	2124	7/7	0.93	0.08	180,185,197,258	0
81	OHX	AR	3564	7/7	0.93	0.08	162,164,168,220	0
81	OHX	A	1923	7/7	0.93	0.10	140,145,150,200	0
82	MG	AR	3691	1/1	0.93	0.19	45,45,45,45	0
82	MG	1	4047	1/1	0.93	0.23	51,51,51,51	0
81	OHX	AR	3565	7/7	0.93	0.11	127,134,141,209	0
82	MG	AR	3695	1/1	0.93	0.37	58,58,58,58	0
82	MG	AR	4169	1/1	0.93	0.12	64,64,64,64	0
82	MG	AR	3696	1/1	0.93	0.27	66,66,66,66	0
81	OHX	AR	3567	7/7	0.93	0.10	139,141,150,213	0
82	MG	1	3779	1/1	0.93	0.27	49,49,49,49	0
82	MG	sR	2163	1/1	0.93	0.10	70,70,70,70	0
82	MG	AR	3699	1/1	0.93	0.30	47,47,47,47	0
82	MG	AR	4002	1/1	0.93	0.14	61,61,61,61	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
82	MG	AR	3845	1/1	0.93	0.28	43,43,43,43	0
82	MG	AR	4005	1/1	0.93	0.20	41,41,41,41	0
82	MG	1	3868	1/1	0.93	0.30	61,61,61,61	0
82	MG	s2	301	1/1	0.93	0.10	91,91,91,91	0
81	OHX	A	1934	7/7	0.93	0.08	177,179,181,226	0
82	MG	AR	3702	1/1	0.93	0.14	42,42,42,42	0
82	MG	AR	3703	1/1	0.93	0.36	41,41,41,41	0
82	MG	AR	3852	1/1	0.93	0.28	51,51,51,51	0
82	MG	AR	3705	1/1	0.93	0.08	70,70,70,70	0
82	MG	AR	3858	1/1	0.93	0.45	59,59,59,59	0
82	MG	1	3782	1/1	0.93	0.37	42,42,42,42	0
81	OHX	AR	3568	7/7	0.93	0.11	109,112,122,183	0
82	MG	A	2075	1/1	0.93	0.24	59,59,59,59	0
82	MG	1	3706	1/1	0.93	0.11	45,45,45,45	0
82	MG	c9	201	1/1	0.93	0.06	74,74,74,74	0
82	MG	A	2077	1/1	0.93	0.10	76,76,76,76	0
81	OHX	AR	3687[A]	7/7	0.93	0.21	134,135,139,158	7
82	MG	AR	4019	1/1	0.93	0.09	68,68,68,68	0
81	OHX	AR	3687[B]	7/7	0.93	0.21	129,134,139,161	7
82	MG	AR	3712	1/1	0.93	0.17	46,46,46,46	0
81	OHX	AR	3627	7/7	0.93	0.10	125,130,138,199	0
81	OHX	AR	3657	7/7	0.93	0.08	207,211,215,269	0
82	MG	AS	3516	1/1	0.93	0.17	68,68,68,68	0
82	MG	1	3791	1/1	0.93	0.31	54,54,54,54	0
82	MG	1	4064	1/1	0.93	0.34	64,64,64,64	0
82	MG	1	3965	1/1	0.93	0.43	64,64,64,64	0
84	XBI	1	4157	26/26	0.93	0.13	50,53,56,58	0
81	OHX	AR	3569	7/7	0.93	0.09	150,153,164,226	0
82	MG	AS	3521	1/1	0.93	0.23	51,51,51,51	0
81	OHX	AR	3517	7/7	0.93	0.11	125,136,143,191	0
82	MG	A	2094	1/1	0.93	0.40	76,76,76,76	0
82	MG	AR	3950	1/1	0.94	0.09	45,45,45,45	0
82	MG	CI	303	1/1	0.94	0.19	64,64,64,64	0
82	MG	AF	203	1/1	0.94	0.10	50,50,50,50	0
82	MG	AR	4089	1/1	0.94	0.26	74,74,74,74	0
82	MG	AF	204	1/1	0.94	0.08	47,47,47,47	0
82	MG	AR	3810	1/1	0.94	0.23	47,47,47,47	0
82	MG	AG	201	1/1	0.94	0.07	50,50,50,50	0
81	OHX	sR	1971	7/7	0.94	0.09	137,143,151,206	0
82	MG	CQ	201	1/1	0.94	0.13	80,80,80,80	0
81	OHX	1	4108	7/7	0.94	0.09	108,124,125,191	0
82	MG	sR	2041	1/1	0.94	0.32	55,55,55,55	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
82	MG	AR	3690	1/1	0.94	0.11	44,44,44,44	0
81	OHX	AS	3506	7/7	0.94	0.12	114,116,127,186	0
81	OHX	1	4114	7/7	0.94	0.10	123,127,131,192	0
81	OHX	1	3510	7/7	0.94	0.10	130,137,145,214	0
81	OHX	AR	3557	7/7	0.94	0.09	139,143,148,202	0
82	MG	sR	2047	1/1	0.94	0.30	60,60,60,60	0
82	MG	1	4061	1/1	0.94	0.15	59,59,59,59	0
82	MG	AR	4106	1/1	0.94	0.13	65,65,65,65	0
81	OHX	sR	1978	7/7	0.94	0.11	110,114,122,186	0
81	OHX	1	4117	7/7	0.94	0.11	119,123,138,185	0
81	OHX	1	3581	7/7	0.94	0.09	154,159,169,227	0
81	OHX	AT	209	7/7	0.94	0.11	110,113,119,178	0
81	OHX	sR	1982	7/7	0.94	0.10	151,153,164,216	0
82	MG	DF	201	1/1	0.94	0.18	63,63,63,63	0
82	MG	1	3619	1/1	0.94	0.26	53,53,53,53	0
82	MG	DH	202	1/1	0.94	0.07	57,57,57,57	0
82	MG	1	3703	1/1	0.94	0.20	52,52,52,52	0
81	OHX	AT	211	7/7	0.94	0.10	124,129,140,198	0
82	MG	AR	3831	1/1	0.94	0.38	53,53,53,53	0
82	MG	AR	3973	1/1	0.94	0.23	57,57,57,57	0
82	MG	1	3885	1/1	0.94	0.07	59,59,59,59	0
82	MG	AR	3833	1/1	0.94	0.27	59,59,59,59	0
82	MG	1	3886	1/1	0.94	0.23	61,61,61,61	0
82	MG	1	3976	1/1	0.94	0.16	46,46,46,46	0
81	OHX	1	4120	6/7	0.94	0.11	117,126,129,186	0
81	OHX	AT	213	7/7	0.94	0.09	128,130,144,205	0
82	MG	A	1984	1/1	0.94	0.20	68,68,68,68	0
82	MG	1	3623	1/1	0.94	0.13	46,46,46,46	0
82	MG	A	1986	1/1	0.94	0.18	60,60,60,60	0
82	MG	A	1987	1/1	0.94	0.07	57,57,57,57	0
81	OHX	1	3536	7/7	0.94	0.10	112,113,115,177	0
82	MG	1	3799	1/1	0.94	0.16	73,73,73,73	0
82	MG	AR	4127	1/1	0.94	0.38	75,75,75,75	0
82	MG	1	3800	1/1	0.94	0.28	44,44,44,44	0
82	MG	1	3983	1/1	0.94	0.12	81,81,81,81	0
82	MG	AR	4130	1/1	0.94	0.12	54,54,54,54	0
82	MG	1	4085	1/1	0.94	0.11	81,81,81,81	0
82	MG	AR	3719	1/1	0.94	0.24	47,47,47,47	0
81	OHX	AT	216	7/7	0.94	0.08	151,156,166,230	0
82	MG	AR	3991	1/1	0.94	0.24	44,44,44,44	0
82	MG	A	1999	1/1	0.94	0.31	74,74,74,74	0
81	OHX	AR	3442	7/7	0.94	0.17	74,92,100,120	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
82	MG	AR	3851	1/1	0.94	0.30	54,54,54,54	0
82	MG	1	3805	1/1	0.94	0.34	43,43,43,43	0
82	MG	A	2003	1/1	0.94	0.16	57,57,57,57	0
81	OHX	1	3491	7/7	0.94	0.11	119,122,125,182	0
82	MG	AR	3856	1/1	0.94	0.26	45,45,45,45	0
82	MG	1	4149	1/1	0.94	0.07	96,96,96,96	0
82	MG	AR	3860	1/1	0.94	0.43	41,41,41,41	0
81	OHX	1	3521	7/7	0.94	0.11	120,124,138,185	0
82	MG	A	2009	1/1	0.94	0.33	68,68,68,68	0
81	OHX	1	3468	7/7	0.94	0.13	106,115,118,170	0
81	OHX	AR	3506	7/7	0.94	0.13	106,112,116,176	0
81	OHX	A	2119	7/7	0.94	0.10	136,144,151,212	0
82	MG	AR	4149	1/1	0.94	0.29	66,66,66,66	0
81	OHX	AR	3509	7/7	0.94	0.15	97,109,117,183	0
82	MG	sR	2099	1/1	0.94	0.14	50,50,50,50	0
81	OHX	AR	3513	7/7	0.94	0.09	163,166,168,202	0
82	MG	1	3637	1/1	0.94	0.27	52,52,52,52	0
81	OHX	A	2122	7/7	0.94	0.09	137,140,147,192	0
82	MG	AR	3735	1/1	0.94	0.27	51,51,51,51	0
82	MG	1	3640	1/1	0.94	0.16	45,45,45,45	0
82	MG	AR	4157	1/1	0.94	0.33	43,43,43,43	0
81	OHX	AR	3514	7/7	0.94	0.12	98,105,111,169	0
82	MG	AR	4012	1/1	0.94	0.07	63,63,63,63	0
81	OHX	AR	3515	7/7	0.94	0.09	119,132,140,200	0
82	MG	3	215	1/1	0.94	0.22	72,72,72,72	0
81	OHX	DL	102	7/7	0.94	0.11	109,115,118,170	0
82	MG	1	3644	1/1	0.94	0.20	65,65,65,65	0
82	MG	sR	2113	1/1	0.94	0.08	69,69,69,69	0
82	MG	AR	3879	1/1	0.94	0.20	41,41,41,41	0
82	MG	AR	4165	1/1	0.94	0.11	55,55,55,55	0
81	OHX	1	3513	7/7	0.94	0.09	145,148,154,212	0
82	MG	AR	3746	1/1	0.94	0.26	41,41,41,41	0
81	OHX	A	1919	7/7	0.94	0.10	149,154,156,198	0
81	OHX	1	3474	7/7	0.94	0.10	107,110,117,164	0
81	OHX	A	1924	7/7	0.94	0.10	124,128,137,191	0
82	MG	AR	4023	1/1	0.94	0.10	65,65,65,65	0
82	MG	AR	4176	1/1	0.94	0.27	56,56,56,56	0
82	MG	1	3828	1/1	0.94	0.08	59,59,59,59	0
82	MG	AR	4178	1/1	0.94	0.13	59,59,59,59	0
81	OHX	1	3515	7/7	0.94	0.09	127,134,148,204	0
81	OHX	A	1932	7/7	0.94	0.09	139,145,150,193	0
82	MG	AR	4182	1/1	0.94	0.23	54,54,54,54	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
82	MG	4	222	1/1	0.94	0.12	40,40,40,40	0
82	MG	4	223	1/1	0.94	0.27	59,59,59,59	0
82	MG	4	224	1/1	0.94	0.08	61,61,61,61	0
82	MG	1	3734	1/1	0.94	0.18	43,43,43,43	0
82	MG	AR	3758	1/1	0.94	0.24	66,66,66,66	0
81	OHX	AR	3576	7/7	0.94	0.10	149,152,154,191	0
81	OHX	1	3527	7/7	0.94	0.10	125,130,134,195	0
81	OHX	1	3490	7/7	0.94	0.12	108,116,121,183	0
81	OHX	A	2139	7/7	0.94	0.08	145,150,156,218	0
81	OHX	A	1936	7/7	0.94	0.09	185,191,197,241	0
82	MG	1	3742	1/1	0.94	0.31	44,44,44,44	0
82	MG	4	233	1/1	0.94	0.15	60,60,60,60	0
81	OHX	AR	3532	7/7	0.94	0.10	129,134,143,202	0
82	MG	AR	4217	1/1	0.94	0.11	59,59,59,59	0
82	MG	AR	3767	1/1	0.94	0.11	71,71,71,71	0
82	MG	AS	3511	1/1	0.94	0.24	51,51,51,51	0
82	MG	AS	3512	1/1	0.94	0.09	44,44,44,44	0
81	OHX	1	3529	7/7	0.94	0.11	125,127,138,197	0
82	MG	j	303	1/1	0.94	0.11	50,50,50,50	0
82	MG	1	3745	1/1	0.94	0.38	49,49,49,49	0
81	OHX	A	2144	7/7	0.94	0.09	137,140,144,186	0
82	MG	l	404	1/1	0.94	0.11	52,52,52,52	0
81	OHX	AR	3583	7/7	0.94	0.08	146,151,155,213	0
82	MG	1	3843	1/1	0.94	0.17	49,49,49,49	0
82	MG	1	3933	1/1	0.94	0.11	67,67,67,67	0
81	OHX	AR	3536	7/7	0.94	0.09	129,135,148,191	0
82	MG	AR	3916	1/1	0.94	0.23	50,50,50,50	0
82	MG	sR	2159	1/1	0.94	0.13	68,68,68,68	0
81	OHX	4	208	7/7	0.94	0.09	141,149,157,218	0
82	MG	A	2073	1/1	0.94	0.12	57,57,57,57	0
81	OHX	4	210	7/7	0.94	0.10	120,122,136,195	0
82	MG	1	4028	1/1	0.94	0.21	58,58,58,58	0
82	MG	1	3668	1/1	0.94	0.13	58,58,58,58	0
82	MG	AR	3783	1/1	0.94	0.22	65,65,65,65	0
82	MG	v	302	1/1	0.94	0.10	49,49,49,49	0
81	OHX	S	201	7/7	0.94	0.10	180,182,185,246	0
81	OHX	AR	3544	7/7	0.94	0.11	122,129,135,206	0
81	OHX	AR	3546	7/7	0.94	0.11	125,129,141,215	0
81	OHX	sR	1901	7/7	0.94	0.11	140,141,145,214	0
82	MG	AR	3789	1/1	0.94	0.35	44,44,44,44	0
82	MG	AT	221	1/1	0.94	0.23	63,63,63,63	0
82	MG	1	3673	1/1	0.94	0.36	45,45,45,45	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
81	OHX	sR	1941	7/7	0.94	0.10	145,147,151,189	0
82	MG	A	2089	1/1	0.94	0.06	65,65,65,65	0
82	MG	AR	3931	1/1	0.94	0.10	61,61,61,61	0
82	MG	A	2091	1/1	0.94	0.28	61,61,61,61	0
82	MG	AT	225	1/1	0.94	0.12	51,51,51,51	0
81	OHX	sR	1951	7/7	0.94	0.10	124,128,135,184	0
81	OHX	AR	3625	7/7	0.94	0.08	198,200,207,262	0
81	OHX	sR	1957	7/7	0.94	0.12	158,160,162,200	0
81	OHX	4	211	7/7	0.94	0.09	141,146,157,207	0
82	MG	AR	4073	1/1	0.94	0.11	76,76,76,76	0
82	MG	1	4043	1/1	0.94	0.25	46,46,46,46	0
82	MG	CD	303	1/1	0.94	0.22	64,64,64,64	0
81	OHX	sR	1962	7/7	0.94	0.11	124,130,137,198	0
82	MG	AR	3939	1/1	0.94	0.06	68,68,68,68	0
81	OHX	A	1953	7/7	0.94	0.08	205,206,211,241	0
81	OHX	AR	3662	7/7	0.94	0.08	183,190,194,244	0
81	OHX	1	3517	7/7	0.94	0.10	134,147,152,214	0
81	OHX	A	1956	7/7	0.94	0.09	171,176,182,233	0
82	MG	1	3956	1/1	0.94	0.17	43,43,43,43	0
81	OHX	1	3533	7/7	0.94	0.12	140,143,144,215	0
82	MG	AR	3805	1/1	0.94	0.11	45,45,45,45	0
85	ZN	c	101	1/1	0.94	0.11	164,164,164,164	0
82	MG	sR	1902	1/1	0.94	0.12	69,69,69,69	0
81	OHX	sR	2174	7/7	0.94	0.26	101,103,104,133	7
81	OHX	A	1928	7/7	0.95	0.08	141,145,149,200	0
81	OHX	A	2143	6/7	0.95	0.09	146,150,156,214	0
81	OHX	A	1930	7/7	0.95	0.10	131,137,144,202	0
82	MG	AR	3793	1/1	0.95	0.20	43,43,43,43	0
82	MG	AR	4037	1/1	0.95	0.10	57,57,57,57	0
81	OHX	A	1931	7/7	0.95	0.10	122,125,133,178	0
81	OHX	1	3505	7/7	0.95	0.09	135,139,142,204	0
82	MG	AR	4168	1/1	0.95	0.26	50,50,50,50	0
82	MG	1	3678	1/1	0.95	0.28	60,60,60,60	0
82	MG	AR	4170	1/1	0.95	0.25	62,62,62,62	0
82	MG	AR	3689	1/1	0.95	0.18	43,43,43,43	0
82	MG	1	3773	1/1	0.95	0.38	51,51,51,51	0
82	MG	1	3877	1/1	0.95	0.28	60,60,60,60	0
82	MG	AR	4174	1/1	0.95	0.19	55,55,55,55	0
81	OHX	1	3464	7/7	0.95	0.12	97,102,107,157	0
81	OHX	1	3488	7/7	0.95	0.14	103,108,113,164	0
82	MG	AR	3925	1/1	0.95	0.25	62,62,62,62	0
81	OHX	1	3470	7/7	0.95	0.12	90,100,102,148	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
81	OHX	AR	3559	7/7	0.95	0.08	123,134,145,201	0
81	OHX	A	1937	7/7	0.95	0.10	150,154,161,216	0
81	OHX	AR	3477	7/7	0.95	0.13	94,96,98,144	0
82	MG	1	3784	1/1	0.95	0.21	40,40,40,40	0
81	OHX	sR	1920	7/7	0.95	0.13	82,93,104,140	0
81	OHX	sR	1933	7/7	0.95	0.13	94,103,112,146	0
82	MG	A	2017	1/1	0.95	0.17	68,68,68,68	0
81	OHX	sR	1935	7/7	0.95	0.10	119,125,129,170	0
81	OHX	AR	3493	7/7	0.95	0.10	98,105,110,169	0
82	MG	AR	3704	1/1	0.95	0.16	49,49,49,49	0
81	OHX	sR	1942	7/7	0.95	0.12	90,97,102,147	0
81	OHX	1	4121	7/7	0.95	0.09	150,157,166,208	0
82	MG	AR	3707	1/1	0.95	0.07	48,48,48,48	0
82	MG	sR	2083	1/1	0.95	0.28	51,51,51,51	0
81	OHX	sR	1953	7/7	0.95	0.09	158,159,163,206	0
81	OHX	sR	1954	7/7	0.95	0.09	108,115,120,169	0
81	OHX	AR	3499	7/7	0.95	0.10	92,102,118,153	0
82	MG	AR	4211	1/1	0.95	0.14	90,90,90,90	0
82	MG	AR	4215	1/1	0.95	0.11	52,52,52,52	0
81	OHX	AR	3500	7/7	0.95	0.12	91,102,111,154	0
82	MG	AR	4221	1/1	0.95	0.09	90,90,90,90	0
82	MG	AR	3945	1/1	0.95	0.06	47,47,47,47	0
81	OHX	AR	3501	7/7	0.95	0.11	129,131,133,207	0
81	OHX	A	1946	7/7	0.95	0.10	161,165,169,204	0
82	MG	AR	3823	1/1	0.95	0.14	40,40,40,40	0
81	OHX	A	1947	7/7	0.95	0.09	154,158,164,213	0
82	MG	1	4154	1/1	0.95	0.06	78,78,78,78	0
81	OHX	AR	3566	7/7	0.95	0.09	139,148,153,220	0
81	OHX	1	3538	7/7	0.95	0.08	144,148,155,212	0
81	OHX	1	3466	7/7	0.95	0.11	97,103,113,149	0
81	OHX	sR	1968	7/7	0.95	0.09	120,126,132,180	0
81	OHX	AR	3507	7/7	0.95	0.09	133,138,142,184	0
81	OHX	sR	1970	7/7	0.95	0.10	129,138,148,199	0
81	OHX	1	3540	7/7	0.95	0.11	125,130,133,194	0
81	OHX	AS	3505	7/7	0.95	0.11	100,104,122,157	0
82	MG	AS	3524	1/1	0.95	0.15	62,62,62,62	0
81	OHX	1	3557	7/7	0.95	0.09	135,136,155,205	0
82	MG	sR	2107	1/1	0.95	0.08	62,62,62,62	0
81	OHX	sR	1974	7/7	0.95	0.09	123,125,137,187	0
81	OHX	AS	3508	7/7	0.95	0.09	109,114,122,173	0
81	OHX	1	3523	7/7	0.95	0.08	125,125,138,183	0
82	MG	1	3818	1/1	0.95	0.08	64,64,64,64	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
82	MG	AR	3731	1/1	0.95	0.06	64,64,64,64	0
82	MG	1	3625	1/1	0.95	0.20	44,44,44,44	0
81	OHX	A	1958	7/7	0.95	0.08	147,156,160,220	0
81	OHX	1	3596	7/7	0.95	0.14	88,99,106,164	0
81	OHX	4	201	7/7	0.95	0.10	101,109,112,166	0
81	OHX	1	3495	7/7	0.95	0.09	113,123,128,179	0
82	MG	AR	3737	1/1	0.95	0.36	50,50,50,50	0
81	OHX	AR	3522	7/7	0.95	0.10	99,103,116,162	0
81	OHX	AT	208	7/7	0.95	0.12	96,102,113,157	0
82	MG	AR	3854	1/1	0.95	0.21	48,48,48,48	0
81	OHX	sR	1983	7/7	0.95	0.10	120,128,132,182	0
82	MG	AR	4100	1/1	0.95	0.12	45,45,45,45	0
82	MG	AR	3741	1/1	0.95	0.28	41,41,41,41	0
82	MG	A	2065	1/1	0.95	0.06	77,77,77,77	0
82	MG	AR	4102	1/1	0.95	0.17	79,79,79,79	0
81	OHX	4	207	7/7	0.95	0.08	117,119,129,179	0
82	MG	1	3635	1/1	0.95	0.13	65,65,65,65	0
82	MG	4	227	1/1	0.95	0.06	57,57,57,57	0
81	OHX	AT	210	7/7	0.95	0.09	132,133,144,196	0
81	OHX	1	3496	7/7	0.95	0.09	122,129,133,179	0
82	MG	1	3638	1/1	0.95	0.07	47,47,47,47	0
81	OHX	AR	3624	7/7	0.95	0.08	130,135,141,200	0
81	OHX	4	209	7/7	0.95	0.09	119,121,136,210	0
81	OHX	AR	3528	7/7	0.95	0.11	96,98,107,166	0
82	MG	sR	2137	1/1	0.95	0.14	90,90,90,90	0
81	OHX	AR	3529	7/7	0.95	0.10	82,92,99,161	0
82	MG	AR	4114	1/1	0.95	0.09	69,69,69,69	0
82	MG	AR	3753	1/1	0.95	0.10	92,92,92,92	0
82	MG	AR	3871	1/1	0.95	0.08	51,51,51,51	0
82	MG	AR	3872	1/1	0.95	0.09	51,51,51,51	0
82	MG	1	3733	1/1	0.95	0.31	45,45,45,45	0
82	MG	A	2083	1/1	0.95	0.29	51,51,51,51	0
82	MG	CK	202	1/1	0.95	0.33	72,72,72,72	0
81	OHX	AR	3530	7/7	0.95	0.11	120,126,128,191	0
82	MG	k	401	1/1	0.95	0.26	55,55,55,55	0
81	OHX	AR	3531	7/7	0.95	0.10	136,140,149,190	0
81	OHX	1	4130	7/7	0.95	0.08	174,176,179,215	0
82	MG	1	4029	1/1	0.95	0.13	43,43,43,43	0
81	OHX	1	3499	7/7	0.95	0.09	149,157,160,195	0
81	OHX	1	3477	7/7	0.95	0.11	91,101,105,152	0
82	MG	CQ	204	1/1	0.95	0.36	58,58,58,58	0
82	MG	1	3648	1/1	0.95	0.07	54,54,54,54	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
82	MG	1	4033	1/1	0.95	0.33	44,44,44,44	0
82	MG	AR	3885	1/1	0.95	0.11	46,46,46,46	0
82	MG	sR	2158	1/1	0.95	0.19	66,66,66,66	0
82	MG	AR	4004	1/1	0.95	0.29	57,57,57,57	0
81	OHX	CL	301	7/7	0.95	0.10	134,139,146,195	0
81	OHX	1	3502	7/7	0.95	0.14	99,104,114,165	0
82	MG	CU	201	1/1	0.95	0.20	71,71,71,71	0
81	OHX	1	3435	7/7	0.95	0.16	81,87,97,132	0
81	OHX	CP	303	7/7	0.95	0.09	133,142,146,203	0
82	MG	A	2147	1/1	0.95	0.07	95,95,95,95	0
82	MG	A	2150	1/1	0.95	0.07	65,65,65,65	0
81	OHX	k	402	7/7	0.95	0.09	125,129,142,193	0
81	OHX	CX	202	7/7	0.95	0.09	135,137,140,211	0
82	MG	H	301	1/1	0.95	0.07	76,76,76,76	0
81	OHX	1	3565	7/7	0.95	0.08	187,191,196,227	0
82	MG	AR	3771	1/1	0.95	0.15	64,64,64,64	0
81	OHX	AR	3547	7/7	0.95	0.10	121,125,137,192	0
81	OHX	1	3486	7/7	0.95	0.11	105,114,120,180	0
81	OHX	A	1908	7/7	0.95	0.12	83,97,105,139	0
82	MG	1	3661	1/1	0.95	0.21	61,61,61,61	0
82	MG	AR	4143	1/1	0.95	0.26	59,59,59,59	0
82	MG	DL	101	1/1	0.95	0.24	57,57,57,57	0
82	MG	AR	3899	1/1	0.95	0.06	64,64,64,64	0
81	OHX	A	1914	7/7	0.95	0.12	125,128,130,176	0
82	MG	DQ	503	1/1	0.95	0.14	66,66,66,66	0
81	OHX	A	1916	7/7	0.95	0.10	119,123,132,166	0
82	MG	sM	301	1/1	0.95	0.09	48,48,48,48	0
81	OHX	A	1917	7/7	0.95	0.10	114,118,126,176	0
82	MG	A	1976	1/1	0.95	0.18	72,72,72,72	0
82	MG	AR	4148	1/1	0.95	0.30	47,47,47,47	0
82	MG	1	3665	1/1	0.95	0.20	49,49,49,49	0
82	MG	1	3955	1/1	0.95	0.09	54,54,54,54	0
82	MG	A	1981	1/1	0.95	0.24	51,51,51,51	0
82	MG	AR	4024	1/1	0.95	0.09	58,58,58,58	0
81	OHX	AR	3549	7/7	0.95	0.11	118,121,129,194	0
83	SPD	1	4144	10/10	0.95	0.13	43,43,44,44	0
81	OHX	A	1920	7/7	0.95	0.10	135,135,142,179	0
81	OHX	1	3549	7/7	0.95	0.10	121,124,132,198	0
81	OHX	z	201	7/7	0.95	0.13	123,128,131,195	0
85	ZN	AH	201	1/1	0.95	0.10	147,147,147,147	0
85	ZN	AP	501	1/1	0.95	0.10	103,103,103,103	0
82	MG	AB	203	1/1	0.95	0.26	56,56,56,56	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
81	OHX	A	1925	7/7	0.95	0.10	137,140,145,189	0
81	OHX	1	4115	7/7	0.95	0.09	132,140,144,203	0
81	OHX	A	1927	7/7	0.95	0.10	128,134,141,204	0
81	OHX	AR	3479	7/7	0.96	0.10	79,84,99,132	0
81	OHX	AR	3483	7/7	0.96	0.09	97,111,120,172	0
82	MG	AR	4011	1/1	0.96	0.21	69,69,69,69	0
81	OHX	AR	3484	7/7	0.96	0.10	85,91,104,141	0
82	MG	AR	4155	1/1	0.96	0.27	68,68,68,68	0
82	MG	3	209	1/1	0.96	0.33	55,55,55,55	0
82	MG	A	1992	1/1	0.96	0.21	58,58,58,58	0
81	OHX	AR	3487	7/7	0.96	0.10	91,98,107,148	0
82	MG	AR	3742	1/1	0.96	0.29	43,43,43,43	0
82	MG	1	3861	1/1	0.96	0.25	53,53,53,53	0
81	OHX	AR	3488	7/7	0.96	0.09	110,119,123,162	0
81	OHX	AR	3492	7/7	0.96	0.09	92,100,112,151	0
81	OHX	1	3442	7/7	0.96	0.11	98,101,113,138	0
81	OHX	1	4109	7/7	0.96	0.11	93,99,103,166	0
81	OHX	AR	3495	7/7	0.96	0.10	97,105,111,178	0
81	OHX	AR	3496	7/7	0.96	0.10	93,99,103,161	0
81	OHX	AT	201	7/7	0.96	0.09	108,113,117,179	0
81	OHX	1	4110	7/7	0.96	0.10	116,118,124,170	0
82	MG	1	3985	1/1	0.96	0.24	55,55,55,55	0
81	OHX	3	202	7/7	0.96	0.09	119,126,130,177	0
81	OHX	1	4112	7/7	0.96	0.09	123,124,132,190	0
81	OHX	1	4113	7/7	0.96	0.08	107,109,120,176	0
81	OHX	1	3489	7/7	0.96	0.11	98,100,109,163	0
81	OHX	1	3444	7/7	0.96	0.10	101,113,120,151	0
82	MG	1	3760	1/1	0.96	0.24	60,60,60,60	0
81	OHX	1	3530	7/7	0.96	0.08	145,147,152,201	0
81	OHX	A	1971	7/7	0.96	0.12	94,97,106,127	0
81	OHX	AR	3512	7/7	0.96	0.08	111,116,127,177	0
82	MG	A	2014	1/1	0.96	0.07	74,74,74,74	0
82	MG	1	3659	1/1	0.96	0.04	53,53,53,53	0
81	OHX	AT	214	7/7	0.96	0.07	146,155,157,209	0
81	OHX	1	3531	7/7	0.96	0.11	91,96,102,156	0
81	OHX	1	3451	7/7	0.96	0.14	77,95,103,134	0
82	MG	1	3768	1/1	0.96	0.33	45,45,45,45	0
81	OHX	CE	403	7/7	0.96	0.08	101,107,118,166	0
82	MG	1	4001	1/1	0.96	0.21	67,67,67,67	0
81	OHX	A	2113	7/7	0.96	0.09	129,131,138,189	0
81	OHX	A	2114	7/7	0.96	0.11	116,122,126,171	0
81	OHX	A	2115	7/7	0.96	0.07	137,142,147,192	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
81	OHX	1	4119	7/7	0.96	0.08	140,143,149,201	0
82	MG	1	3775	1/1	0.96	0.23	45,45,45,45	0
82	MG	AR	3774	1/1	0.96	0.08	49,49,49,49	0
82	MG	AR	4048	1/1	0.96	0.07	50,50,50,50	0
81	OHX	AR	3516	7/7	0.96	0.10	101,112,121,167	0
81	OHX	sR	2000	7/7	0.96	0.10	118,122,133,195	0
81	OHX	1	3492	7/7	0.96	0.09	128,128,140,191	0
81	OHX	AR	3519	7/7	0.96	0.10	102,113,116,175	0
81	OHX	AR	3520	7/7	0.96	0.10	118,124,131,186	0
82	MG	r	302	1/1	0.96	0.12	47,47,47,47	0
82	MG	AR	4055	1/1	0.96	0.16	61,61,61,61	0
81	OHX	4	206	7/7	0.96	0.09	96,100,109,156	0
81	OHX	A	2125	7/7	0.96	0.08	128,131,134,191	0
81	OHX	1	3493	7/7	0.96	0.09	124,127,131,190	0
81	OHX	1	3494	7/7	0.96	0.09	104,109,115,158	0
81	OHX	AR	3525	7/7	0.96	0.10	103,113,118,173	0
81	OHX	1	3456	7/7	0.96	0.12	91,93,107,140	0
81	OHX	1	3457	7/7	0.96	0.12	93,96,101,133	0
81	OHX	1	3497	7/7	0.96	0.10	114,115,125,171	0
82	MG	1	3792	1/1	0.96	0.30	51,51,51,51	0
81	OHX	4	212	7/7	0.96	0.07	145,148,156,217	0
81	OHX	1	3498	7/7	0.96	0.08	136,139,148,194	0
82	MG	1	3908	1/1	0.96	0.06	65,65,65,65	0
81	OHX	1	3476	7/7	0.96	0.08	113,114,124,163	0
81	OHX	1	3519[A]	7/7	0.96	0.14	96,101,107,129	7
82	MG	1	3912	1/1	0.96	0.30	61,61,61,61	0
82	MG	x	208	1/1	0.96	0.32	60,60,60,60	0
82	MG	AS	3527	1/1	0.96	0.36	53,53,53,53	0
81	OHX	A	1915	7/7	0.96	0.09	109,118,128,170	0
81	OHX	AR	3533	7/7	0.96	0.09	120,128,137,203	0
81	OHX	4	235	7/7	0.96	0.10	99,105,113,160	0
82	MG	1	3801	1/1	0.96	0.33	42,42,42,42	0
82	MG	sR	2122	1/1	0.96	0.05	67,67,67,67	0
82	MG	AR	3938	1/1	0.96	0.11	55,55,55,55	0
81	OHX	1	3519[B]	7/7	0.96	0.14	95,99,104,118	7
82	MG	AR	3940	1/1	0.96	0.24	52,52,52,52	0
81	OHX	1	3500	7/7	0.96	0.09	158,162,166,215	0
82	MG	1	3691	1/1	0.96	0.12	67,67,67,67	0
82	MG	1	3806	1/1	0.96	0.14	48,48,48,48	0
81	OHX	AR	3606	7/7	0.96	0.11	104,105,109,170	0
82	MG	1	3693	1/1	0.96	0.23	51,51,51,51	0
82	MG	1	3809	1/1	0.96	0.07	55,55,55,55	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
82	MG	AR	3808	1/1	0.96	0.38	50,50,50,50	0
82	MG	1	3810	1/1	0.96	0.19	46,46,46,46	0
81	OHX	AR	3538	7/7	0.96	0.08	125,126,136,181	0
81	OHX	AR	3539	7/7	0.96	0.11	92,100,106,163	0
81	OHX	AR	3540	7/7	0.96	0.10	117,127,135,186	0
82	MG	AT	231	1/1	0.96	0.10	86,86,86,86	0
82	MG	sR	2138	1/1	0.96	0.11	70,70,70,70	0
82	MG	1	4044	1/1	0.96	0.23	58,58,58,58	0
82	MG	CD	302	1/1	0.96	0.37	41,41,41,41	0
82	MG	AR	4093	1/1	0.96	0.18	58,58,58,58	0
81	OHX	r	304	7/7	0.96	0.10	93,100,107,151	0
81	OHX	AR	3543	7/7	0.96	0.12	107,110,117,174	0
81	OHX	A	1929	7/7	0.96	0.09	126,128,134,183	0
82	MG	1	4048	1/1	0.96	0.18	50,50,50,50	0
81	OHX	1	3568	7/7	0.96	0.11	95,97,103,152	0
82	MG	AR	3694	1/1	0.96	0.08	44,44,44,44	0
82	MG	AR	3959	1/1	0.96	0.13	68,68,68,68	0
82	MG	1	3701	1/1	0.96	0.37	63,63,63,63	0
82	MG	AR	3821	1/1	0.96	0.21	47,47,47,47	0
81	OHX	AR	3545	7/7	0.96	0.09	126,128,135,194	0
81	OHX	1	3459	7/7	0.96	0.11	98,101,105,142	0
81	OHX	sR	1911	7/7	0.96	0.12	91,102,107,128	0
81	OHX	1	3478	7/7	0.96	0.10	98,101,110,151	0
82	MG	AR	3826	1/1	0.96	0.27	55,55,55,55	0
81	OHX	sR	1922	7/7	0.96	0.12	105,110,115,136	0
81	OHX	sR	1923	7/7	0.96	0.10	99,101,105,143	0
81	OHX	sR	1925	7/7	0.96	0.11	98,102,110,145	0
82	MG	1	3940	1/1	0.96	0.15	55,55,55,55	0
82	MG	1	3941	1/1	0.96	0.05	51,51,51,51	0
81	OHX	1	3479	7/7	0.96	0.10	102,105,123,173	0
82	MG	CQ	203	1/1	0.96	0.12	74,74,74,74	0
81	OHX	sR	1934	7/7	0.96	0.11	77,84,94,140	0
81	OHX	1	4099	7/7	0.96	0.13	79,91,100,136	0
82	MG	AR	3835	1/1	0.96	0.26	42,42,42,42	0
81	OHX	AR	3550	7/7	0.96	0.09	127,131,135,184	0
81	OHX	1	4101	7/7	0.96	0.09	123,126,129,174	0
82	MG	A	2149	1/1	0.96	0.08	84,84,84,84	0
81	OHX	sR	1943	7/7	0.96	0.09	121,124,130,174	0
82	MG	AR	3839	1/1	0.96	0.32	42,42,42,42	0
81	OHX	sR	1945	7/7	0.96	0.08	129,133,137,179	0
82	MG	AR	3982	1/1	0.96	0.18	64,64,64,64	0
81	OHX	sR	1946	7/7	0.96	0.09	109,116,122,172	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
81	OHX	sR	1947	7/7	0.96	0.09	117,124,125,197	0
81	OHX	sR	1950[A]	7/7	0.96	0.21	111,115,118,123	7
81	OHX	sR	1950[B]	7/7	0.96	0.21	111,115,123,151	7
81	OHX	AR	3440	7/7	0.96	0.10	78,87,92,119	0
81	OHX	AR	3553	7/7	0.96	0.12	116,121,127,203	0
81	OHX	AR	3441	7/7	0.96	0.12	81,89,90,116	0
81	OHX	sR	1955	7/7	0.96	0.08	148,152,153,194	0
82	MG	AR	3850	1/1	0.96	0.29	43,43,43,43	0
82	MG	AR	4134	1/1	0.96	0.26	43,43,43,43	0
81	OHX	A	1941	7/7	0.96	0.10	149,149,156,215	0
81	OHX	1	3463	7/7	0.96	0.10	89,96,104,135	0
82	MG	AR	3723	1/1	0.96	0.27	46,46,46,46	0
82	MG	sR	2036	1/1	0.96	0.24	59,59,59,59	0
81	OHX	sR	1959	7/7	0.96	0.09	107,115,122,178	0
81	OHX	sR	1960	7/7	0.96	0.08	125,130,137,184	0
81	OHX	AR	3449	7/7	0.96	0.12	98,107,116,142	0
81	OHX	AR	3455	7/7	0.96	0.14	83,88,95,134	0
81	OHX	A	1945	7/7	0.96	0.09	146,148,152,194	0
82	MG	A	1977	1/1	0.96	0.27	52,52,52,52	0
82	MG	1	4146	1/1	0.96	0.10	70,70,70,70	0
81	OHX	sR	1964	7/7	0.96	0.09	115,118,119,176	0
81	OHX	AR	3460	7/7	0.96	0.11	68,83,90,121	0
81	OHX	1	3441	7/7	0.96	0.11	90,94,98,133	0
81	OHX	AR	3473	7/7	0.96	0.13	82,89,102,133	0
81	OHX	AR	3474	7/7	0.96	0.11	76,95,98,144	0
81	OHX	AR	3475	7/7	0.96	0.13	82,96,104,132	0
81	OHX	1	3465	7/7	0.96	0.13	91,99,105,144	0
81	OHX	1	3437	7/7	0.97	0.11	74,83,92,114	0
81	OHX	CQ	202	7/7	0.97	0.09	83,91,99,147	0
81	OHX	1	3460	7/7	0.97	0.09	93,95,110,145	0
81	OHX	1	3461	7/7	0.97	0.09	98,102,106,160	0
81	OHX	1	3462	7/7	0.97	0.09	102,102,108,138	0
81	OHX	1	4111	7/7	0.97	0.08	103,110,116,162	0
81	OHX	1	3481	7/7	0.97	0.07	99,109,113,149	0
82	MG	CP	302	1/1	0.97	0.10	57,57,57,57	0
82	MG	1	4156	1/1	0.97	0.06	80,80,80,80	0
81	OHX	A	1906	7/7	0.97	0.10	100,104,108,133	0
82	MG	1	3802	1/1	0.97	0.45	43,43,43,43	0
82	MG	1	3708	1/1	0.97	0.15	43,43,43,43	0
81	OHX	A	1907	7/7	0.97	0.09	117,124,128,154	0
81	OHX	AR	3503	7/7	0.97	0.08	97,105,115,164	0
81	OHX	A	1911	7/7	0.97	0.10	102,107,116,147	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
81	OHX	A	2117	7/7	0.97	0.10	114,118,126,169	0
82	MG	1	3627	1/1	0.97	0.23	58,58,58,58	0
81	OHX	A	2118	7/7	0.97	0.08	115,120,124,178	0
81	OHX	A	1912	7/7	0.97	0.08	108,113,114,155	0
81	OHX	A	1913	7/7	0.97	0.08	117,128,131,173	0
81	OHX	AR	3504	7/7	0.97	0.09	89,96,102,138	0
82	MG	A	2074	1/1	0.97	0.09	71,71,71,71	0
81	OHX	AR	3505	7/7	0.97	0.09	103,104,113,168	0
81	OHX	A	2123	7/7	0.97	0.07	118,122,124,173	0
82	MG	1	4007	1/1	0.97	0.16	49,49,49,49	0
82	MG	1	3910	1/1	0.97	0.33	55,55,55,55	0
81	OHX	1	3483	7/7	0.97	0.08	123,127,135,185	0
81	OHX	1	3484	7/7	0.97	0.10	100,108,117,162	0
81	OHX	A	1918	7/7	0.97	0.08	123,125,129,175	0
81	OHX	1	3485[A]	7/7	0.97	0.25	90,93,94,96	7
81	OHX	AK	103	7/7	0.97	0.10	86,96,102,129	0
81	OHX	1	3485[B]	7/7	0.97	0.25	90,91,95,124	7
81	OHX	AR	3430	7/7	0.97	0.12	79,86,89,116	0
81	OHX	AR	3432	7/7	0.97	0.14	75,84,88,106	0
82	MG	AR	3840	1/1	0.97	0.26	43,43,43,43	0
81	OHX	1	3449	7/7	0.97	0.10	95,100,107,140	0
81	OHX	1	3450	7/7	0.97	0.09	92,93,100,128	0
81	OHX	AR	3518	7/7	0.97	0.09	117,120,127,169	0
81	OHX	1	3440	7/7	0.97	0.09	81,91,97,131	0
81	OHX	AR	3443	7/7	0.97	0.11	74,79,88,115	0
81	OHX	A	2138	7/7	0.97	0.08	115,119,122,176	0
81	OHX	AR	3444	7/7	0.97	0.10	74,79,96,110	0
81	OHX	AR	3580	7/7	0.97	0.10	107,110,112,167	0
82	MG	j	302	1/1	0.97	0.11	43,43,43,43	0
82	MG	1	3737	1/1	0.97	0.30	45,45,45,45	0
81	OHX	1	3453	7/7	0.97	0.10	85,94,104,128	0
81	OHX	AR	3450	7/7	0.97	0.11	81,81,86,114	0
82	MG	1	3740	1/1	0.97	0.34	60,60,60,60	0
81	OHX	AR	3451	7/7	0.97	0.10	99,104,111,132	0
82	MG	A	2146	1/1	0.97	0.20	70,70,70,70	0
81	OHX	AR	3452	7/7	0.97	0.11	91,95,101,138	0
82	MG	AR	3857	1/1	0.97	0.20	49,49,49,49	0
81	OHX	3	219	7/7	0.97	0.08	105,109,120,164	0
82	MG	AR	3859	1/1	0.97	0.35	43,43,43,43	0
81	OHX	AR	3456	7/7	0.97	0.12	80,88,104,126	0
81	OHX	1	3454	7/7	0.97	0.10	90,96,107,139	0
81	OHX	AS	3501	7/7	0.97	0.08	92,98,109,149	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
81	OHX	AR	3463	7/7	0.97	0.12	83,86,98,130	0
82	MG	AR	4207	1/1	0.97	0.07	95,95,95,95	0
82	MG	AR	4208	1/1	0.97	0.11	82,82,82,82	0
81	OHX	T	201	7/7	0.97	0.10	108,113,119,140	0
81	OHX	AR	3466	7/7	0.97	0.09	95,100,103,137	0
82	MG	AR	4214	1/1	0.97	0.16	108,108,108,108	0
81	OHX	AS	3507	7/7	0.97	0.09	93,97,100,148	0
82	MG	1	3845	1/1	0.97	0.20	53,53,53,53	0
81	OHX	AR	3467	7/7	0.97	0.09	83,87,99,133	0
82	MG	1	4041	1/1	0.97	0.20	51,51,51,51	0
82	MG	AR	3870	1/1	0.97	0.17	44,44,44,44	0
81	OHX	AR	3471	7/7	0.97	0.09	94,96,101,143	0
81	OHX	AR	3534	7/7	0.97	0.10	86,89,97,127	0
82	MG	1	3849	1/1	0.97	0.07	52,52,52,52	0
82	MG	AR	3981	1/1	0.97	0.16	61,61,61,61	0
81	OHX	1	3455	7/7	0.97	0.11	92,99,106,135	0
81	OHX	1	3422	7/7	0.97	0.16	75,84,90,115	0
81	OHX	1	3472	7/7	0.97	0.08	94,101,110,146	0
81	OHX	sR	1927	7/7	0.97	0.08	102,108,112,148	0
81	OHX	sR	1932	7/7	0.97	0.09	95,98,107,145	0
81	OHX	1	4075	7/7	0.97	0.09	104,108,116,167	0
81	OHX	AR	3476	7/7	0.97	0.10	91,98,104,145	0
82	MG	AR	3989	1/1	0.97	0.16	60,60,60,60	0
81	OHX	1	4096	7/7	0.97	0.11	89,91,102,129	0
82	MG	AR	4103	1/1	0.97	0.14	56,56,56,56	0
82	MG	AR	3882	1/1	0.97	0.26	60,60,60,60	0
82	MG	AR	3883	1/1	0.97	0.05	53,53,53,53	0
82	MG	sR	2179	1/1	0.97	0.11	94,94,94,94	0
81	OHX	sR	1936	7/7	0.97	0.09	97,103,109,153	0
81	OHX	sR	1938	7/7	0.97	0.09	98,105,109,148	0
81	OHX	sR	1939	7/7	0.97	0.09	104,109,115,148	0
81	OHX	sR	1940	7/7	0.97	0.09	111,113,121,169	0
82	MG	1	3862	1/1	0.97	0.12	44,44,44,44	0
81	OHX	AR	3541	7/7	0.97	0.08	147,151,156,185	0
81	OHX	AR	3478[A]	7/7	0.97	0.19	72,74,81,81	7
81	OHX	AR	3478[B]	7/7	0.97	0.19	74,74,79,86	7
81	OHX	sR	1944	7/7	0.97	0.07	108,113,119,161	0
82	MG	A	2029	1/1	0.97	0.14	54,54,54,54	0
82	MG	1	3682	1/1	0.97	0.20	62,62,62,62	0
81	OHX	1	3473	7/7	0.97	0.09	114,118,123,165	0
82	MG	AR	3895	1/1	0.97	0.15	42,42,42,42	0
82	MG	1	3869	1/1	0.97	0.06	70,70,70,70	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
81	OHX	AR	3481	7/7	0.97	0.09	88,91,109,137	0
82	MG	d3	203	1/1	0.97	0.29	86,86,86,86	0
82	MG	1	3774	1/1	0.97	0.34	46,46,46,46	0
81	OHX	1	4100	7/7	0.97	0.09	92,99,103,156	0
82	MG	1	3776	1/1	0.97	0.23	43,43,43,43	0
81	OHX	sR	1948	7/7	0.97	0.09	105,109,114,165	0
81	OHX	sR	1949	7/7	0.97	0.08	100,107,115,163	0
81	OHX	1	3436	7/7	0.97	0.11	86,93,100,124	0
81	OHX	AR	3485	7/7	0.97	0.09	90,93,98,139	0
81	OHX	AR	3486	7/7	0.97	0.09	85,91,95,128	0
81	OHX	sR	1952	7/7	0.97	0.07	119,126,132,166	0
81	OHX	1	4102	7/7	0.97	0.08	111,117,120,158	0
81	OHX	1	3475	7/7	0.97	0.10	95,100,112,156	0
82	MG	1	3786	1/1	0.97	0.38	46,46,46,46	0
81	OHX	AR	3490	7/7	0.97	0.09	90,101,107,164	0
81	OHX	AR	3491	7/7	0.97	0.09	107,108,114,170	0
81	OHX	1	4104	7/7	0.97	0.10	91,96,102,148	0
85	ZN	DQ	501	1/1	0.97	0.07	136,136,136,136	0
85	ZN	DR	501	1/1	0.97	0.04	85,85,85,85	0
81	OHX	sR	1958	7/7	0.97	0.09	111,117,120,165	0
81	OHX	1	3458	7/7	0.97	0.11	90,95,106,143	0
85	ZN	d9	101	1/1	0.97	0.05	97,97,97,97	0
81	OHX	1	4106	7/7	0.97	0.13	70,77,89,109	0
81	OHX	1	3433	7/7	0.98	0.10	81,86,97,113	0
81	OHX	1	3434	7/7	0.98	0.10	88,91,95,120	0
81	OHX	CX	201	7/7	0.98	0.09	88,90,101,126	0
82	MG	AR	3853	1/1	0.98	0.36	49,49,49,49	0
81	OHX	1	3419	7/7	0.98	0.10	81,84,94,99	0
81	OHX	A	2107	7/7	0.98	0.09	93,102,110,122	0
81	OHX	A	2108	7/7	0.98	0.10	97,99,106,141	0
81	OHX	A	2109	7/7	0.98	0.08	95,100,102,129	0
81	OHX	A	2110	7/7	0.98	0.08	99,100,103,133	0
81	OHX	A	2111	7/7	0.98	0.08	95,101,105,148	0
81	OHX	A	2112	7/7	0.98	0.07	124,127,130,168	0
81	OHX	DD	101	7/7	0.98	0.10	69,79,90,92	0
81	OHX	1	3418	7/7	0.98	0.11	75,86,93,101	0
81	OHX	1	3423	7/7	0.98	0.13	61,79,88,107	0
81	OHX	1	3438	7/7	0.98	0.10	86,92,103,133	0
81	OHX	A	1901	7/7	0.98	0.12	85,95,98,108	0
81	OHX	A	1903	7/7	0.98	0.10	86,89,99,122	0
81	OHX	1	3482[A]	7/7	0.98	0.14	84,85,98,101	7
81	OHX	AR	3480	7/7	0.98	0.09	88,94,108,150	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
82	MG	AR	4077	1/1	0.98	0.05	77,77,77,77	0
82	MG	v	303	1/1	0.98	0.05	52,52,52,52	0
81	OHX	1	3482[B]	7/7	0.98	0.14	88,88,98,111	7
81	OHX	A	1909	7/7	0.98	0.08	94,97,101,130	0
81	OHX	A	1910	7/7	0.98	0.08	101,103,111,142	0
82	MG	AR	4082	1/1	0.98	0.06	65,65,65,65	0
81	OHX	AR	3482	7/7	0.98	0.07	83,89,93,122	0
81	OHX	1	4143	7/7	0.98	0.10	104,108,111,114	0
81	OHX	3	201	7/7	0.98	0.07	85,87,100,118	0
81	OHX	1	3439	7/7	0.98	0.08	97,99,103,139	0
81	OHX	1	3424	7/7	0.98	0.10	78,85,99,104	0
82	MG	1	3652	1/1	0.98	0.30	52,52,52,52	0
81	OHX	AR	3413	7/7	0.98	0.11	80,89,92,95	0
82	MG	AR	4213	1/1	0.98	0.06	77,77,77,77	0
82	MG	1	4050	1/1	0.98	0.30	53,53,53,53	0
81	OHX	AR	3414	7/7	0.98	0.14	84,85,92,93	0
82	MG	AR	4216	1/1	0.98	0.04	44,44,44,44	0
81	OHX	AR	3416	7/7	0.98	0.11	58,73,82,91	0
82	MG	AR	4219	1/1	0.98	0.07	43,43,43,43	0
82	MG	AR	4220	1/1	0.98	0.10	50,50,50,50	0
81	OHX	AR	3418	7/7	0.98	0.11	65,80,88,89	0
81	OHX	AR	3427	7/7	0.98	0.12	59,81,85,95	0
81	OHX	A	1921	7/7	0.98	0.07	124,128,131,176	0
81	OHX	A	1922	7/7	0.98	0.07	111,119,127,158	0
81	OHX	1	3425	7/7	0.98	0.09	81,83,89,106	0
82	MG	AR	4098	1/1	0.98	0.12	63,63,63,63	0
81	OHX	A	2137	7/7	0.98	0.07	93,97,103,133	0
81	OHX	1	3426	7/7	0.98	0.09	84,90,99,104	0
81	OHX	AR	3433	7/7	0.98	0.11	79,87,100,110	0
81	OHX	AR	3434	7/7	0.98	0.11	82,84,95,103	0
81	OHX	AR	3497	7/7	0.98	0.06	120,125,130,166	0
81	OHX	AR	3498	7/7	0.98	0.07	105,110,118,151	0
81	OHX	AR	3435	7/7	0.98	0.09	78,84,97,108	0
81	OHX	AR	3436	7/7	0.98	0.09	79,86,90,109	0
81	OHX	AR	3439	7/7	0.98	0.07	91,97,99,123	0
81	OHX	1	3535[A]	7/7	0.98	0.19	86,89,97,97	7
81	OHX	1	3535[B]	7/7	0.98	0.19	84,89,96,108	7
81	OHX	1	3443	7/7	0.98	0.08	83,85,93,125	0
81	OHX	3	220	7/7	0.98	0.08	96,103,115,150	0
81	OHX	1	3427	7/7	0.98	0.08	86,88,98,124	0
81	OHX	AR	3446	7/7	0.98	0.10	76,84,90,101	0
81	OHX	AR	3508	7/7	0.98	0.10	77,79,88,110	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
81	OHX	AR	3447	7/7	0.98	0.08	82,90,95,120	0
82	MG	1	3974	1/1	0.98	0.09	72,72,72,72	0
81	OHX	sR	1904	7/7	0.98	0.12	77,86,90,100	0
81	OHX	AS	3503	7/7	0.98	0.09	83,86,90,116	0
81	OHX	sR	1915	7/7	0.98	0.10	96,98,102,118	0
81	OHX	sR	1918	7/7	0.98	0.09	84,91,95,122	0
82	MG	1	3780	1/1	0.98	0.33	46,46,46,46	0
81	OHX	AS	3504	7/7	0.98	0.09	90,94,99,127	0
81	OHX	sR	1921	7/7	0.98	0.08	92,97,105,143	0
81	OHX	AR	3510	7/7	0.98	0.06	107,110,118,156	0
81	OHX	AR	3511[A]	7/7	0.98	0.12	80,81,85,99	7
81	OHX	sR	1924	7/7	0.98	0.07	88,95,101,127	0
81	OHX	AR	3511[B]	7/7	0.98	0.12	83,85,85,111	7
82	MG	sR	2180	1/1	0.98	0.10	85,85,85,85	0
82	MG	sR	2181	1/1	0.98	0.07	76,76,76,76	0
82	MG	sR	2182	1/1	0.98	0.13	59,59,59,59	0
81	OHX	sR	1926	7/7	0.98	0.09	93,95,102,139	0
81	OHX	AR	3448	7/7	0.98	0.10	87,93,101,127	0
81	OHX	sR	1928	7/7	0.98	0.08	93,96,108,156	0
82	MG	AR	3713	1/1	0.98	0.10	46,46,46,46	0
81	OHX	sR	1929	7/7	0.98	0.08	110,116,121,154	0
81	OHX	sR	1930	7/7	0.98	0.07	119,122,127,152	0
81	OHX	sR	1931	7/7	0.98	0.08	90,94,96,127	0
81	OHX	AR	3577	7/7	0.98	0.08	96,101,111,166	0
81	OHX	1	3445	7/7	0.98	0.10	92,97,98,138	0
82	MG	1	3795	1/1	0.98	0.38	50,50,50,50	0
81	OHX	A	1948	7/7	0.98	0.07	110,111,122,152	0
81	OHX	1	3467[A]	6/7	0.98	0.22	69,73,78,79	6
81	OHX	1	3467[B]	6/7	0.98	0.22	75,78,82,112	6
81	OHX	sR	1937	7/7	0.98	0.08	93,94,102,137	0
81	OHX	4	205	7/7	0.98	0.09	78,87,91,114	0
81	OHX	AR	3453	7/7	0.98	0.07	84,85,96,120	0
81	OHX	AT	207	7/7	0.98	0.11	83,86,93,108	0
81	OHX	AR	3454	7/7	0.98	0.10	94,95,97,129	0
81	OHX	1	4097	7/7	0.98	0.09	87,95,98,131	0
81	OHX	1	3447	7/7	0.98	0.10	74,84,96,119	0
81	OHX	AR	3457	7/7	0.98	0.07	80,86,91,115	0
81	OHX	AR	3458	7/7	0.98	0.10	79,88,99,129	0
81	OHX	AR	3459	7/7	0.98	0.11	76,81,97,99	0
81	OHX	AR	3524	7/7	0.98	0.08	116,117,121,172	0
81	OHX	1	3448	7/7	0.98	0.08	81,86,94,116	0
81	OHX	AR	3461	7/7	0.98	0.09	86,95,99,131	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
81	OHX	AR	3462	7/7	0.98	0.08	89,94,101,131	0
81	OHX	1	3429	7/7	0.98	0.09	85,87,97,109	0
81	OHX	AR	3464	7/7	0.98	0.09	82,88,94,113	0
81	OHX	AR	3465	7/7	0.98	0.11	92,94,102,121	0
85	ZN	AQ	501	1/1	0.98	0.04	83,83,83,83	0
81	OHX	1	3471	7/7	0.98	0.08	89,96,98,135	0
82	MG	1	3717	1/1	0.98	0.48	62,62,62,62	0
81	OHX	1	3430	7/7	0.98	0.12	78,86,91,106	0
81	OHX	AR	3469	7/7	0.98	0.08	90,97,102,136	0
81	OHX	1	3431	7/7	0.98	0.10	82,83,101,113	0
81	OHX	1	3452	7/7	0.98	0.09	100,102,107,138	0
81	OHX	1	3432	7/7	0.98	0.10	86,89,96,116	0
81	OHX	AR	3409	7/7	0.99	0.10	62,64,73,75	0
82	MG	1	4153	1/1	0.99	0.06	59,59,59,59	0
81	OHX	AR	3410	7/7	0.99	0.08	61,62,65,73	0
81	OHX	sR	1903	7/7	0.99	0.10	63,67,70,78	0
81	OHX	AR	3411	7/7	0.99	0.12	79,81,90,94	0
81	OHX	sR	1905	7/7	0.99	0.11	74,76,82,84	0
81	OHX	sR	1906	7/7	0.99	0.08	82,82,91,100	0
81	OHX	sR	1907	7/7	0.99	0.09	68,84,90,100	0
81	OHX	sR	1908	7/7	0.99	0.08	80,83,86,96	0
81	OHX	sR	1909	7/7	0.99	0.10	77,80,88,97	0
81	OHX	sR	1910	7/7	0.99	0.10	73,82,86,105	0
81	OHX	AR	3412	7/7	0.99	0.10	72,76,84,85	0
81	OHX	sR	1912	7/7	0.99	0.09	73,79,83,94	0
81	OHX	sR	1913	7/7	0.99	0.07	83,86,91,107	0
81	OHX	sR	1914	7/7	0.99	0.08	84,85,89,109	0
81	OHX	1	3406	7/7	0.99	0.08	78,80,82,83	0
81	OHX	sR	1916[A]	7/7	0.99	0.18	68,71,72,80	7
81	OHX	sR	1916[B]	7/7	0.99	0.18	73,75,81,117	7
81	OHX	sR	1917	7/7	0.99	0.07	82,83,91,110	0
81	OHX	1	4072	7/7	0.99	0.09	73,78,83,87	0
81	OHX	sR	1919	7/7	0.99	0.07	80,84,94,114	0
81	OHX	AR	3415	7/7	0.99	0.11	75,81,86,95	0
81	OHX	1	3407	7/7	0.99	0.09	71,78,84,86	0
81	OHX	AR	3417	7/7	0.99	0.10	81,82,86,97	0
81	OHX	1	4076	7/7	0.99	0.09	74,76,83,91	0
82	MG	1	3757	1/1	0.99	0.13	44,44,44,44	0
81	OHX	AR	3419	7/7	0.99	0.08	76,79,86,90	0
81	OHX	AR	3420	7/7	0.99	0.09	76,80,88,95	0
81	OHX	AR	3421	7/7	0.99	0.10	75,83,87,93	0
81	OHX	AR	3422	7/7	0.99	0.07	73,80,84,91	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
81	OHX	AR	3423	7/7	0.99	0.09	78,83,87,89	0
81	OHX	AR	3424	7/7	0.99	0.11	77,84,92,94	0
81	OHX	AR	3425	7/7	0.99	0.10	83,87,89,99	0
81	OHX	AR	3426	7/7	0.99	0.08	78,79,88,94	0
81	OHX	A	1902	7/7	0.99	0.09	84,85,89,107	0
81	OHX	AR	3489	7/7	0.99	0.10	81,82,91,112	0
81	OHX	A	1904	7/7	0.99	0.08	92,95,99,121	0
81	OHX	A	1905	7/7	0.99	0.08	96,99,105,129	0
81	OHX	1	4087	7/7	0.99	0.11	63,68,74,76	0
81	OHX	AR	3428	7/7	0.99	0.07	75,81,87,103	0
81	OHX	A	2103	7/7	0.99	0.10	73,85,92,95	0
81	OHX	A	2104	7/7	0.99	0.11	85,88,90,102	0
81	OHX	A	2105	7/7	0.99	0.09	85,88,95,107	0
81	OHX	A	2106	7/7	0.99	0.08	94,98,103,123	0
81	OHX	AR	3429	7/7	0.99	0.09	75,81,86,102	0
81	OHX	1	4088	7/7	0.99	0.10	64,67,73,75	0
81	OHX	AR	3431	7/7	0.99	0.09	80,82,90,90	0
82	MG	AR	4210	1/1	0.99	0.05	41,41,41,41	0
81	OHX	1	4089	7/7	0.99	0.09	76,78,84,85	0
82	MG	AR	4212	1/1	0.99	0.05	60,60,60,60	0
81	OHX	1	4090	6/7	0.99	0.09	72,79,83,90	0
81	OHX	1	4091	7/7	0.99	0.10	80,85,92,97	0
81	OHX	1	4092	7/7	0.99	0.09	78,81,84,95	0
81	OHX	4	204	7/7	0.99	0.10	69,78,83,83	0
81	OHX	AR	4179	7/7	0.99	0.12	60,67,75,77	0
82	MG	AR	4218	1/1	0.99	0.14	42,42,42,42	0
81	OHX	AR	3437	7/7	0.99	0.09	74,83,87,94	0
81	OHX	AR	3438	7/7	0.99	0.09	80,82,89,104	0
81	OHX	1	4093	7/7	0.99	0.09	80,82,91,92	0
81	OHX	s1	301	7/7	0.99	0.09	74,82,91,102	0
81	OHX	1	4094	7/7	0.99	0.07	80,88,91,96	0
81	OHX	1	4095	7/7	0.99	0.08	90,92,97,125	0
81	OHX	1	3446	7/7	0.99	0.06	92,94,100,129	0
81	OHX	1	3408	7/7	0.99	0.09	72,77,81,81	0
81	OHX	1	4098	7/7	0.99	0.09	77,81,88,107	0
81	OHX	AR	3445	7/7	0.99	0.09	78,81,85,114	0
81	OHX	1	3428	7/7	0.99	0.09	78,83,87,96	0
81	OHX	1	3410	7/7	0.99	0.07	82,83,88,100	0
81	OHX	1	3411	7/7	0.99	0.11	72,75,84,85	0
81	OHX	1	3412	7/7	0.99	0.08	78,79,90,94	0
81	OHX	1	3413	7/7	0.99	0.10	74,75,83,93	0
81	OHX	1	3414	7/7	0.99	0.10	74,80,86,94	0

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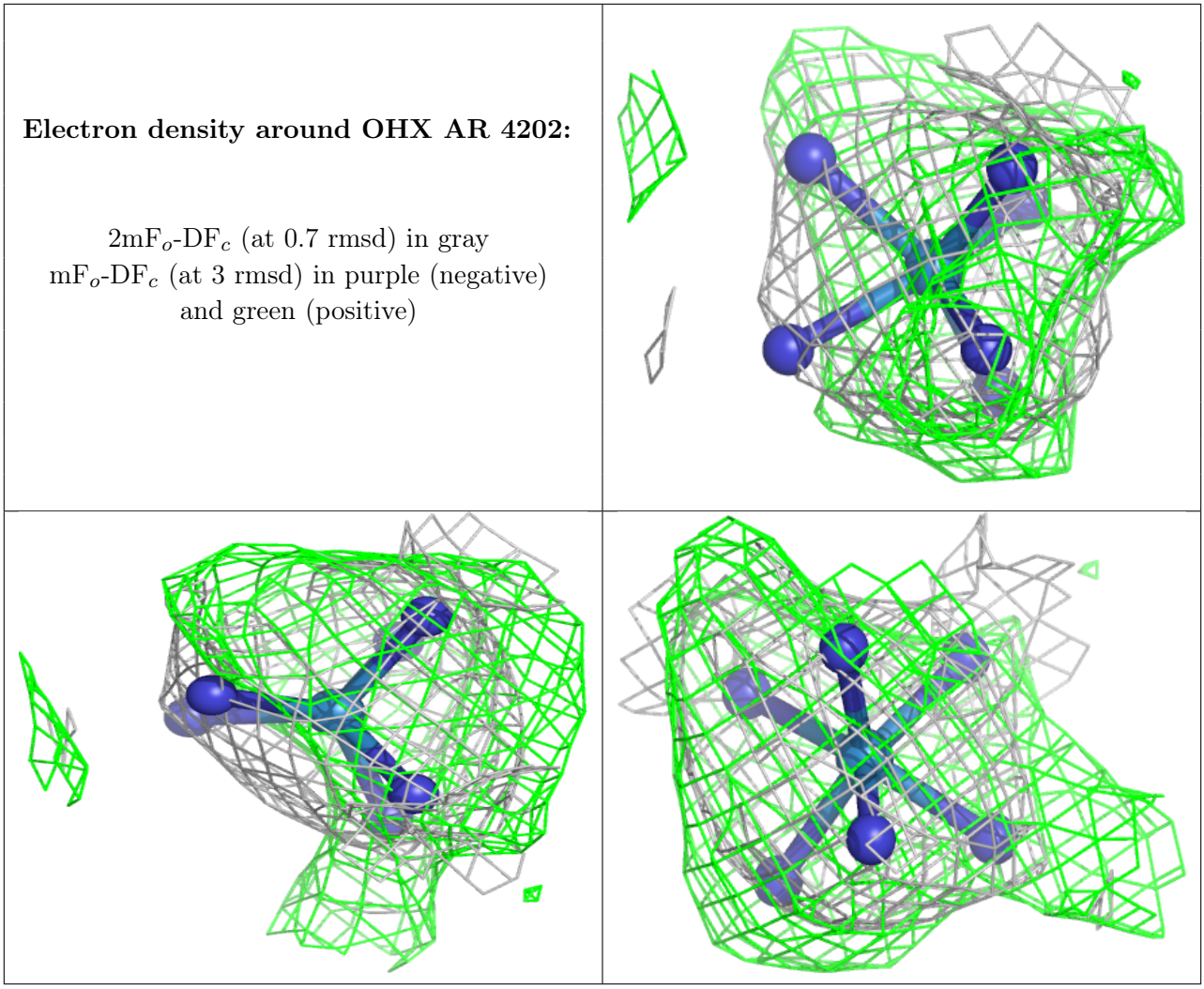
Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
81	OHX	1	3415	7/7	0.99	0.13	74,81,83,89	0
81	OHX	1	3416	7/7	0.99	0.09	81,82,91,96	0
81	OHX	1	3417	7/7	0.99	0.10	81,82,90,102	0
81	OHX	1	3401	7/7	0.99	0.11	47,52,58,66	0
81	OHX	1	3402	7/7	0.99	0.10	67,68,70,70	0
81	OHX	1	3420	7/7	0.99	0.08	81,82,88,94	0
81	OHX	1	3421	7/7	0.99	0.07	79,84,93,106	0
81	OHX	AC	101	7/7	0.99	0.11	63,79,84,86	0
81	OHX	1	3403	7/7	0.99	0.10	48,50,57,66	0
81	OHX	AT	206	7/7	0.99	0.12	74,80,84,90	0
81	OHX	1	3404	7/7	0.99	0.11	71,77,81,85	0
81	OHX	1	3405	7/7	0.99	0.14	70,78,88,96	0
81	OHX	AR	3401	7/7	0.99	0.10	63,64,69,70	0
85	ZN	AK	102	1/1	0.99	0.02	54,54,54,54	0
85	ZN	AN	500	1/1	0.99	0.02	59,59,59,59	0
81	OHX	AR	3402	7/7	0.99	0.12	53,61,66,70	0
81	OHX	AR	3403	7/7	0.99	0.10	54,58,62,67	0
81	OHX	AR	3405	7/7	0.99	0.13	64,71,72,74	0
85	ZN	DL	103	1/1	0.99	0.04	58,58,58,58	0
85	ZN	DO	201	1/1	0.99	0.03	50,50,50,50	0
81	OHX	AR	3406	7/7	0.99	0.09	75,76,81,82	0
82	MG	A	2148	1/1	0.99	0.10	52,52,52,52	0
85	ZN	b	201	1/1	0.99	0.04	92,92,92,92	0
81	OHX	AR	3468	7/7	0.99	0.07	89,92,97,121	0
85	ZN	e	101	1/1	0.99	0.04	94,94,94,94	0
85	ZN	g	501	1/1	0.99	0.03	136,136,136,136	0
85	ZN	d6	202	1/1	0.99	0.04	66,66,66,66	0
81	OHX	AR	3407	7/7	0.99	0.11	65,67,72,72	0
81	OHX	AR	3470	7/7	0.99	0.06	97,100,107,139	0
81	OHX	AR	3408	7/7	0.99	0.11	77,83,85,88	0
81	OHX	1	4071	7/7	1.00	0.09	64,67,73,74	0
81	OHX	AR	3404	7/7	1.00	0.08	60,66,66,74	0
81	OHX	CP	301	7/7	1.00	0.09	77,77,81,85	0
81	OHX	1	3409	7/7	1.00	0.08	73,79,89,89	0

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

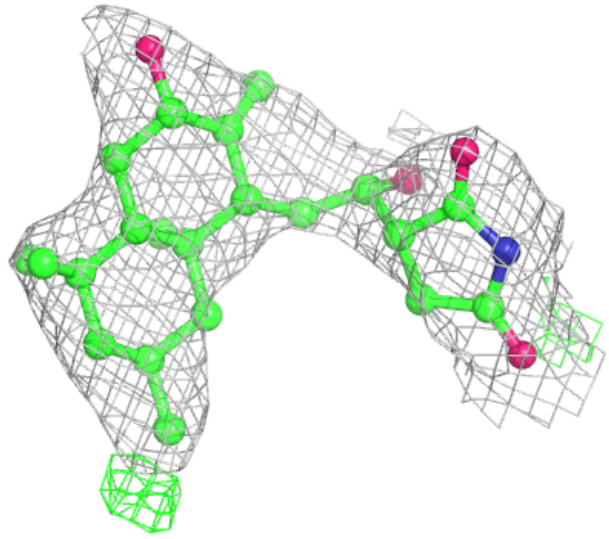
Electron density around OHX AR 4202:

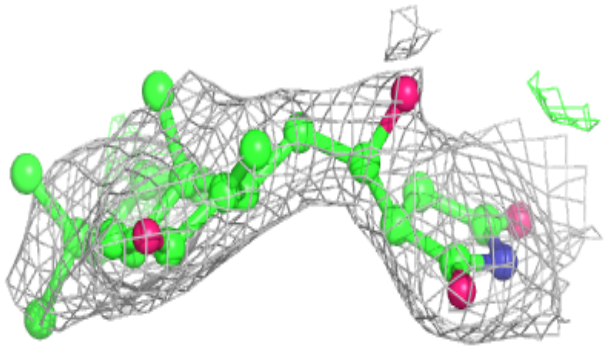
$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)



Electron density around XBI AR 4222:

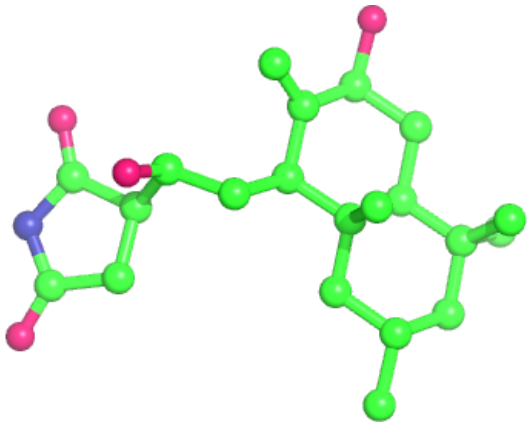
$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

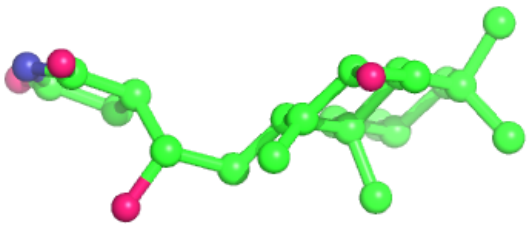


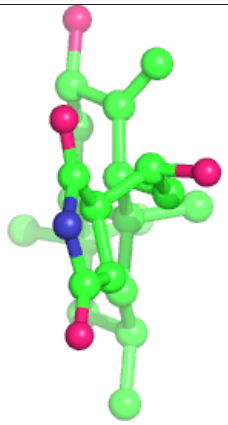


Electron density around XBI 1 4157:

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







6.5 Other polymers

There are no such residues in this entry.