



wwPDB X-ray Structure Validation Summary Report ⓘ

Oct 8, 2024 – 01:58 am BST

PDB ID : 8P4V
Title : 80S yeast ribosome in complex with HaterumaimideQ
Authors : Terrosu, S.; Yusupov, M.
Deposited on : 2023-05-23
Resolution : 3.16 Å(reported)

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

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

A user guide is available at

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

with specific help available everywhere you see the ⓘ symbol.

The types of validation reports are described at

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

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

MolProbity : 4.02b-467
Mogul : 1.8.4, CSD as541be (2020)
Xtriage (Phenix) : 1.13
EDS : 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

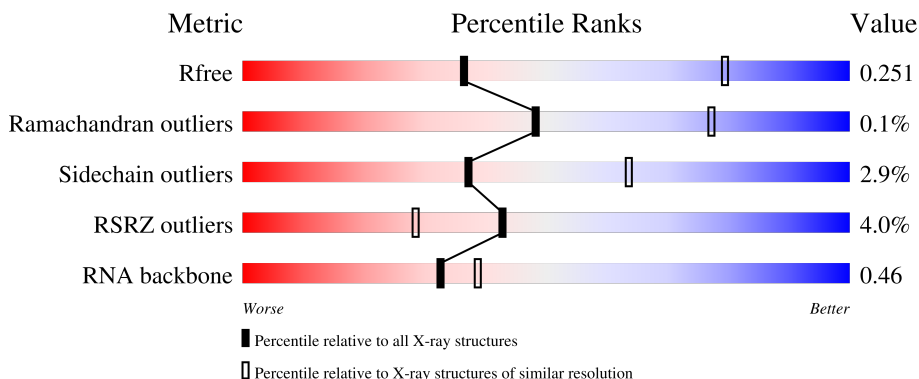
1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

X-RAY DIFFRACTION

The reported resolution of this entry is 3.16 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	2168 (3.20-3.12)
Ramachandran outliers	177936	2266 (3.20-3.12)
Sidechain outliers	177891	2265 (3.20-3.12)
RSRZ outliers	164620	2169 (3.20-3.12)
RNA backbone	3690	1016 (3.42-2.90)

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

Mol	Chain	Length	Quality of chain
1	1	3396	
1	AR	3396	
2	3	121	
2	AS	121	
3	4	158	

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Mol	Chain	Length	Quality of chain
3	AT	158	% 80% 20%
4	CD	254	9% 97% ..
4	j	254	11% 99% .
5	CE	387	4% 98% .
5	k	387	4% 96% .
6	CF	362	6% 98% .
6	l	362	4% 97% .
7	CG	297	3% 97% .
7	m	297	2% 97% .
8	CH	176	4% 86% . 11%
8	n	176	% 87% . 11%
9	CI	244	2% 90% . 9%
9	o	244	2% 89% . 9%
10	CJ	256	4% 89% . 9%
10	p	256	6% 89% . 9%
11	CK	191	% 99% .
11	q	191	5% 99% .
12	CL	221	% 93% . 5%
12	r	221	4% 92% . 5%
13	CM	174	3% 95% ..
13	s	174	5% 94% ..
14	CN	199	6% 92% 5% .
14	t	199	8% 95% ...
15	CO	138	4% 97% ..
15	u	138	4% 95% ..

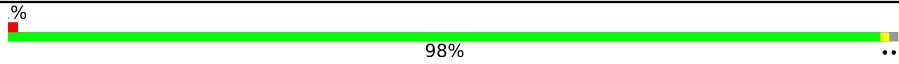
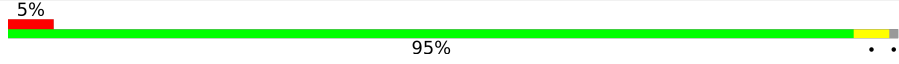
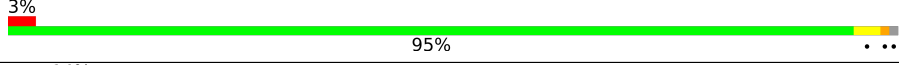
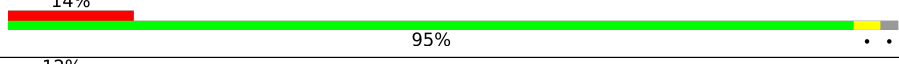
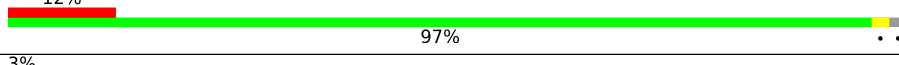
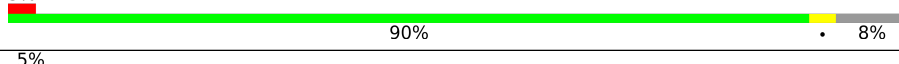
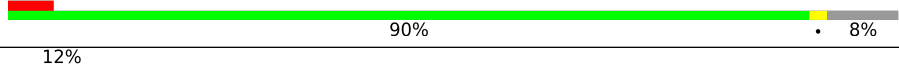
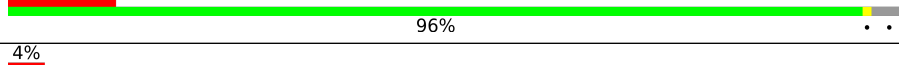
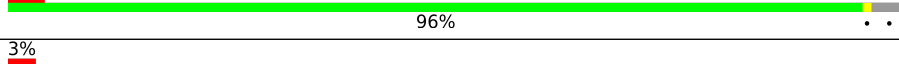
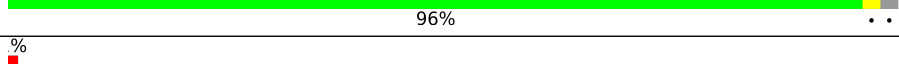
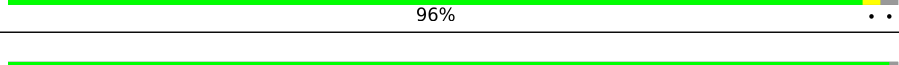
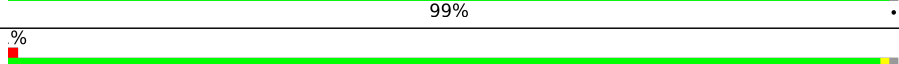
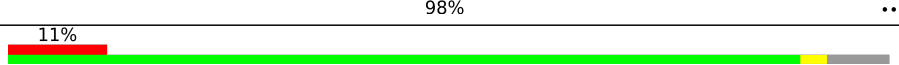
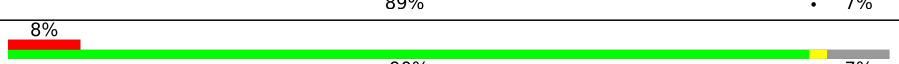
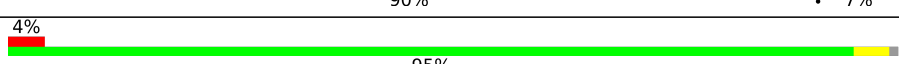
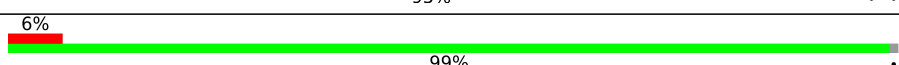
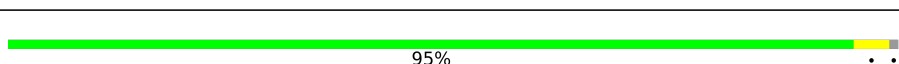
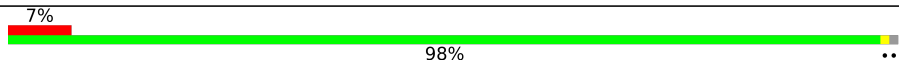
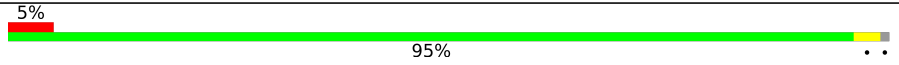
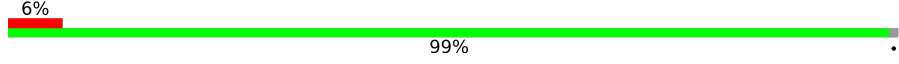
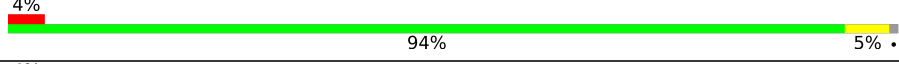
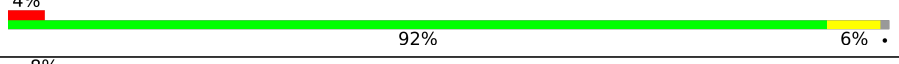
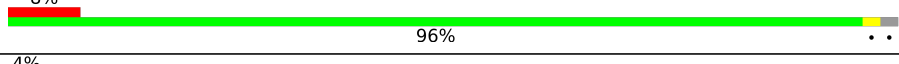
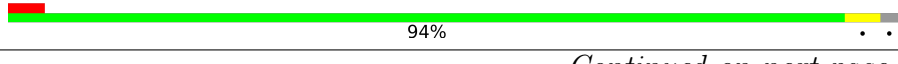

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Mol	Chain	Length	Quality of chain
16	CP	204	4% 97%
16	v	204	2% 99%
17	CQ	199	3% 98%
17	w	199	3% 98%
18	CR	184	4% 98%
18	x	184	6% 98%
19	CS	186	5% 97%
19	y	186	8% 96%
20	CT	189	6% 98%
20	z	189	5% 96%
21	0	172	4% 99%
21	CU	172	2% 99%
22	2	160	6% 98%
22	CV	160	6% 98%
23	5	121	3% 79% 17%
23	CW	121	5% 80% 17%
24	6	137	6% 99%
24	CX	137	3% 97%
25	7	155	5% 61% 37%
25	CY	155	7% 79% 20%
26	8	142	4% 83% 15%
26	CZ	142	11% 83% 15%
27	9	127	2% 98%
27	DA	127	2% 95%
28	AA	136	2% 99%



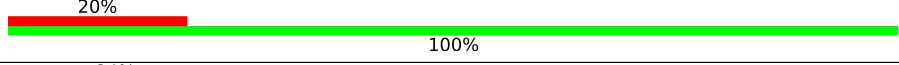
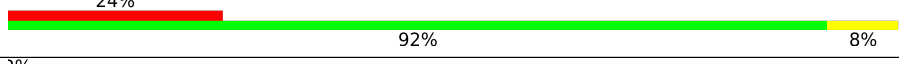
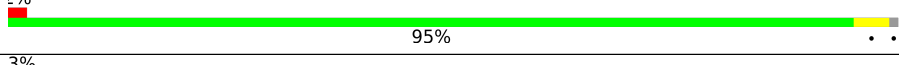
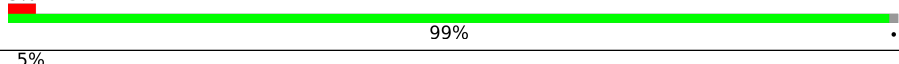
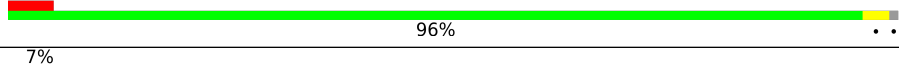
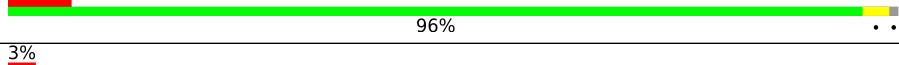
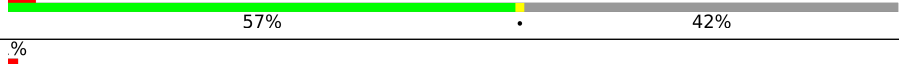


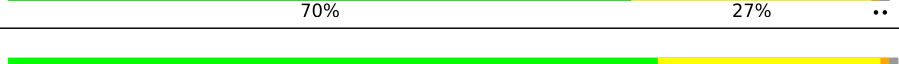
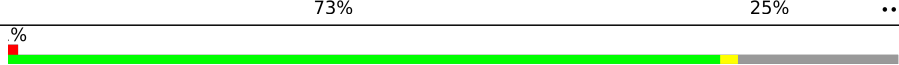
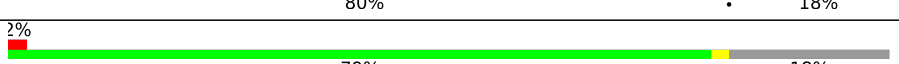

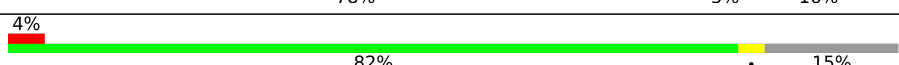
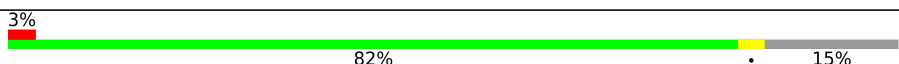
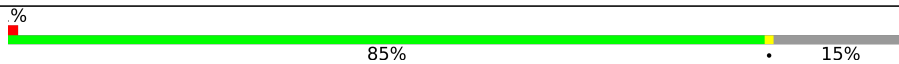
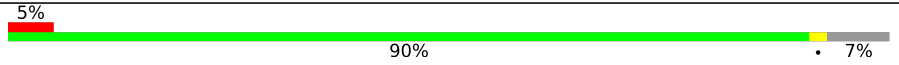
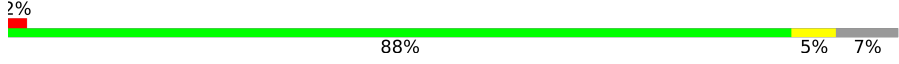
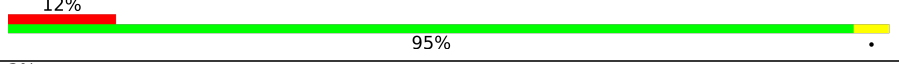
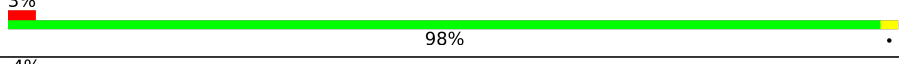
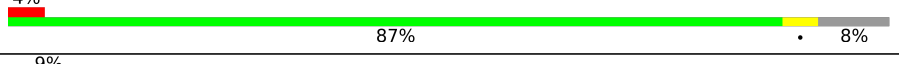


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Mol	Chain	Length	Quality of chain
28	DB	136	 98%
29	AB	149	 95%
29	DC	149	 95%
30	AC	59	 95%
30	DD	59	 97%
31	AD	105	 90% 8%
31	DE	105	 90% 8%
32	AE	113	 96%
32	DF	113	 96%
33	AF	130	 96%
33	DG	130	 96%
34	AG	107	 99%
34	DH	107	 98%
35	AH	121	 89% 7%
35	DI	121	 90% 7%
36	AI	120	 95%
36	DJ	120	 99%
37	AJ	100	 95%
37	DK	100	 98%
38	AK	88	 95%
38	DL	88	 99%
39	AL	78	 94% 5%
39	DM	78	 92% 6%
40	AM	51	 96%
40	DN	51	 94%

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Mol	Chain	Length	Quality of chain
41	AN	128	
41	DO	128	
42	AO	25	
42	DP	25	
43	AP	106	
43	DQ	106	
44	AQ	92	
44	DR	92	
45	i	273	
45	sM	273	
46	p0	311	
47	A	1800	
47	sR	1800	
48	B	252	
48	s0	252	
49	C	255	
49	s1	255	
50	D	254	
50	s2	254	
51	E	240	
51	s3	240	
52	F	261	
52	s4	261	
53	G	225	
53	s5	225	

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Mol	Chain	Length	Quality of chain
54	H	236	10% 90% 6% .
54	s6	236	3% 90% . 8%
55	I	190	3% 89% 7% .
55	s7	190	8% 92% 6% .
56	J	200	3% 90% . 6%
56	s8	200	7% 92% . 6%
57	K	197	5% 88% 6% 6%
57	s9	197	8% 91% . 6%
58	L	105	11% 90% . 9%
58	c0	105	7% 89% . 9%
59	M	156	8% 96% . .
59	c1	156	16% 91% . 6%
60	N	143	3% 80% 6% . 13%
60	c2	143	% 76% 10% . 13%
61	O	151	3% 97% . .
61	c3	151	5% 98% . .
62	P	138	14% 84% 7% . 8%
62	c4	138	4% 91% . 7%
63	Q	142	10% 84% . 13%
63	c5	142	18% 93% . 5%
64	R	143	% 91% 8% .
64	c6	143	13% 93% 6% .
65	S	136	3% 85% . 12%
66	T	146	5% 95% 5% .
66	c8	146	6% 97% . .

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Mol	Chain	Length	Quality of chain
67	U	144	3% 91% 8%
67	c9	144	7% 95% ..
68	V	121	6% 85% 12%
68	d0	121	4% 89% 9%
69	W	87	% 98% .
69	d1	87	% 93% 7%
70	X	130	7% 96% ..
70	d2	130	 97% ..
71	Y	145	13% 94% 5%
71	d3	145	3% 97% ..
72	Z	135	4% 93% 6%
72	d4	135	7% 96% ..
73	a	108	4% 63% 35%
73	d5	108	6% 60% 36%
74	b	119	19% 79% 18%
74	d6	119	9% 76% 5% 18%
75	c	82	2% 98% ..
75	d7	82	2% 91% 7%
76	d	67	4% 91% 6%
76	d8	67	16% 85% 9% 6%
77	d9	56	7% 89% 5% 5%
77	e	56	14% 89% 5% 5%
78	e0	63	6% 95% ..
78	f	63	3% 95% 5%
79	e1	152	% 30% 66%

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Mol	Chain	Length	Quality of chain
79	g	152	
80	Rb	319	
80	h	319	
81	c7	136	

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
83	MG	1	4009	-	-	-	X
83	MG	1	4031	-	-	-	X
83	MG	AR	3964	-	-	-	X
83	MG	AR	4007	-	-	-	X

2 Entry composition [i](#)

There are 89 unique types of molecules in this entry. The entry contains 409267 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
			Total	C	N	O	P			
1	1	3149	Total 67355	C 30086	N 12142	O 21978	P 3149	0	0	0
1	AR	3147	Total 67313	C 30067	N 12134	O 21965	P 3147	0	0	0

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

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

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

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

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

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

- 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	296	Total	C	N	O	S	0	0	0
			2375	1501	414	458	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
			Total	C	N	O	S			
10	CJ	233	Total 1804	C 1151	N 323	O 327	S 3	0	0	0

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

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

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

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

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

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

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

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

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

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

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
			Total	C	N	O	S			
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
			Total	C	N	O	S			
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
			Total	C	N	O			
18	x	183	Total	C	N	O	0	0	0
			1420	882	281	257			
18	CR	183	Total	C	N	O	0	0	0
			1420	882	281	257			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
			Total	C	N	O	S			
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
			Total	C	N	O			
20	z	188	Total	C	N	O	0	0	0
			1521	935	326	260			
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	98	Total	C	N	O	S	0	0	0
			699	443	137	118	1			
25	CY	124	Total	C	N	O	S	0	0	0
			836	525	166	144	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	121	Total	C	N	O	S	0	0	0
			964	620	169	173	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
			1087	706	201	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
			850	540	165	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	112	Total	C	N	O	S	0	0	0
			880	545	179	152	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	99	Total	C	N	O	S	0	0	0
			771	481	156	132	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	87	Total	C	N	O	S	0	0	0
			681	414	148	114	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 60S ribosomal protein L41-A.

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	159	Total	C	N	O	0	0	0
			1104	652	221	231			
45	sM	63	Total	C	N	O	0	0	0
			475	280	99	96			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
46	p0	143	Total	C	N	O	S	0	0	0
			1076	686	192	195	3			

- Molecule 47 is a RNA chain called 18S ribosomal RNA.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
47	A	1781	Total	C	N	O	P	0	0	0
			37948	16965	6715	12487	1781			
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
			Total	C	N	O	S			
48	B	206	Total 1577	C 1014	N 278	O 283	S 2	0	0	0
48	s0	206	Total 1583	C 1017	N 281	O 283	S 2	0	0	0

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

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

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

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

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

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

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

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

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

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

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

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
			Total	C	N	O	S			
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
			Total	C	N	O	S			
55	I	184	Total	C	N	O	S	0	0	0
			1481	951	265	265				
55	s7	186	Total	C	N	O	S	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
			Total	C	N	O	S			
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
			Total	C	N	O	S			
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
			Total	C	N	O	S			
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
			Total	C	N	O	S			
59	M	155	Total 1213	C 774	N 230	O 206	S 3	0	0	0
59	c1	146	Total 1168	C 747	N 221	O 197	S 3	0	0	0

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

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

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

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

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
			Total	C	N	O	S			
62	P	127	Total 886	C 541	N 182	O 162	S 1	0	0	0
62	c4	128	Total 949	C 582	N 188	O 176	S 3	0	0	0

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

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

- 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			
64	c6	142	Total	C	N	O	0	0	0
			1111	711	204	196			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
65	S	120	Total	C	N	O	S	0	0	0
			926	577	177	170	2			

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

- 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	S	0	0	0
			397	249	73	71	4			

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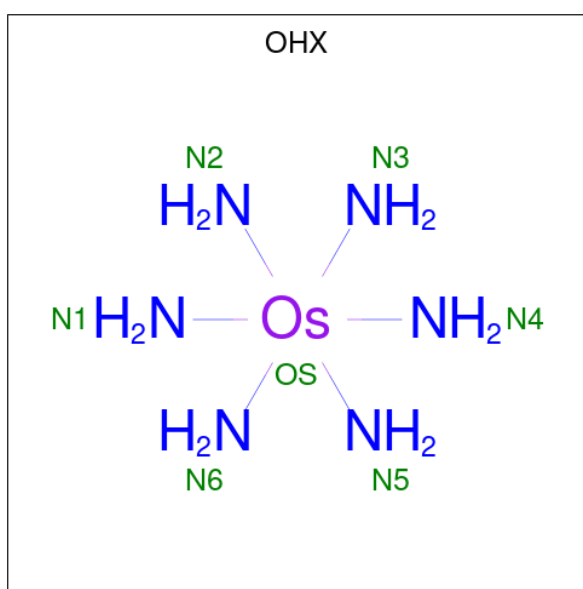
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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
			Total	C	N	O	S			
80	Rb	318	2442	1544	418	472	8	0	0	0

- Molecule 81 is a protein called 40S ribosomal protein S17-A.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
			Total	C	N	O	S			
81	c7	117	906	563	174	167	2	0	0	0

- Molecule 82 is osmium (III) hexammine (three-letter code: OHX) (formula: H₁₂N₆Os).



Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
			Total	N	Os		
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
			Total	N	Os		
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
			Total	N	Os		
82	1	1	7	6	1	0	0
82	1	1	14	12	2	0	1
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
			Total	N	Os		
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
			Total	N	Os		
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
			Total	N	O/s		
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	1	1		0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
			Total	N	Os		
82	1	1	7	6	1	0	0
82	1	1	6	5	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	14	12	2	0	1
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
			Total	N	Os		
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	6	5	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	1	1	7	6	1	0	0
82	3	1	7	6	1	0	0
82	3	1	7	6	1	0	0
82	3	1	7	6	1	0	0
82	3	1	7	6	1	0	0
82	3	1	7	6	1	0	0

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
			Total	N	Os		
82	3	1	7	6	1	0	0
82	3	1	7	6	1	0	0
82	3	1	7	6	1	0	0
82	3	1	7	6	1	0	0
82	3	1	7	6	1	0	0
82	4	1	7	6	1	0	0
82	4	1	7	6	1	0	0
82	4	1	7	6	1	0	0
82	4	1	7	6	1	0	0
82	4	1	7	6	1	0	0
82	4	1	7	6	1	0	0
82	4	1	7	6	1	0	0
82	4	1	7	6	1	0	0
82	4	1	7	6	1	0	0
82	4	1	7	6	1	0	0
82	4	1	7	6	1	0	0
82	4	1	7	6	1	0	0
82	4	1	7	6	1	0	0
82	4	1	7	6	1	0	0
82	4	1	7	6	1	0	0
82	4	1	7	6	1	0	0
82	4	1	7	6	1	0	0
82	4	1	7	6	1	0	0
82	4	1	7	6	1	0	0
82	k	1	7	6	1	0	0
82	k	1	7	6	1	0	0

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
			Total	N	Os		
82	l	1	7	6	1	0	0
82	r	1	7	6	1	0	0
82	v	1	7	6	1	0	0
82	z	1	7	6	1	0	0
82	2	1	7	6	1	0	0
82	AC	1	7	6	1	0	0
82	AG	1	7	6	1	0	0
82	AK	1	7	6	1	0	0
82	AK	1	7	6	1	0	0
82	AP	1	7	6	1	0	0
82	AR	1	7	6	1	0	0
82	AR	1	7	6	1	0	0
82	AR	1	7	6	1	0	0
82	AR	1	7	6	1	0	0
82	AR	1	7	6	1	0	0
82	AR	1	7	6	1	0	0
82	AR	1	7	6	1	0	0
82	AR	1	7	6	1	0	0
82	AR	1	7	6	1	0	0
82	AR	1	7	6	1	0	0
82	AR	1	7	6	1	0	0
82	AR	1	7	6	1	0	0
82	AR	1	7	6	1	0	0

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

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

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

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

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

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

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

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

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

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
			Total	N	Os		
82	AT	1	7	6	1	0	0
82	CE	1	7	6	1	0	0
82	CE	1	7	6	1	0	0
82	CG	1	7	6	1	0	0
82	CG	1	7	6	1	0	0
82	CG	1	7	6	1	0	0
82	CH	1	7	6	1	0	0
82	CK	1	7	6	1	0	0
82	CL	1	7	6	1	0	0
82	CL	1	7	6	1	0	0
82	CP	1	7	6	1	0	0
82	CS	1	7	6	1	0	0
82	CV	1	7	6	1	0	0
82	CX	1	7	6	1	0	0
82	DD	1	7	6	1	0	0
82	DH	1	7	6	1	0	0
82	DL	1	7	6	1	0	0
82	DQ	1	7	6	1	0	0
82	A	1	7	6	1	0	0
82	A	1	7	6	1	0	0
82	A	1	7	6	1	0	0

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

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

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

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
			Total	N	Os		
82	A	1	7	6	1	0	0
82	A	1	7	6	1	0	0
82	A	1	7	6	1	0	0
82	A	1	7	6	1	0	0
82	A	1	7	6	1	0	0
82	A	1	7	6	1	0	0
82	A	1	7	6	1	0	0
82	A	1	7	6	1	0	0
82	A	1	7	6	1	0	0
82	A	1	7	6	1	0	0
82	A	1	7	6	1	0	0
82	A	1	7	6	1	0	0
82	A	1	7	6	1	0	0
82	A	1	7	6	1	0	0
82	A	1	7	6	1	0	0
82	A	1	7	6	1	0	0
82	A	1	7	6	1	0	0
82	J	1	7	6	1	0	0
82	O	1	7	6	1	0	0
82	Q	1	7	6	1	0	0
82	T	1	7	6	1	0	0
82	U	1	7	6	1	0	0
82	h	1	7	6	1	0	0

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

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
			Total	N	Os		
82	sR	1	7	6	1	0	0
82	sR	1	7	6	1	0	0
82	sR	1	7	6	1	0	0
82	sR	1	7	6	1	0	0
82	sR	1	7	6	1	0	0
82	sR	1	7	6	1	0	0
82	sR	1	7	6	1	0	0
82	sR	1	7	6	1	0	0
82	sR	1	7	6	1	0	0
82	sR	1	7	6	1	0	0
82	sR	1	7	6	1	0	0
82	sR	1	7	6	1	0	0
82	sR	1	7	6	1	0	0
82	sR	1	7	6	1	0	0
82	Rb	1	7	6	1	0	0
82	s1	1	7	6	1	0	0
82	s4	1	7	6	1	0	0
82	s8	1	7	6	1	0	0
82	c3	1	7	6	1	0	0
82	c5	1	7	6	1	0	0
82	c7	1	7	6	1	0	0
82	c8	1	7	6	1	0	0

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
82	d4	1	Total	N	Os	0	0
			7	6	1		

- Molecule 83 is MAGNESIUM ION (three-letter code: MG) (formula: Mg).

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
83	1	486	Total	Mg	0	0
			486	486		
83	3	12	Total	Mg	0	0
			12	12		
83	4	18	Total	Mg	0	0
			18	18		
83	j	2	Total	Mg	0	0
			2	2		
83	k	2	Total	Mg	0	0
			2	2		
83	l	4	Total	Mg	0	0
			4	4		
83	m	1	Total	Mg	0	0
			1	1		
83	o	3	Total	Mg	0	0
			3	3		
83	r	2	Total	Mg	0	0
			2	2		
83	s	1	Total	Mg	0	0
			1	1		
83	t	2	Total	Mg	0	0
			2	2		
83	u	1	Total	Mg	0	0
			1	1		
83	v	4	Total	Mg	0	0
			4	4		
83	w	1	Total	Mg	0	0
			1	1		
83	x	8	Total	Mg	0	0
			8	8		
83	y	1	Total	Mg	0	0
			1	1		
83	z	1	Total	Mg	0	0
			1	1		
83	6	3	Total	Mg	0	0
			3	3		

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
83	9	1	Total 1	Mg 1	0	0
83	AB	5	Total 5	Mg 5	0	0
83	AC	1	Total 1	Mg 1	0	0
83	AF	2	Total 2	Mg 2	0	0
83	AG	1	Total 1	Mg 1	0	0
83	AH	2	Total 2	Mg 2	0	0
83	AI	1	Total 1	Mg 1	0	0
83	AP	1	Total 1	Mg 1	0	0
83	i	1	Total 1	Mg 1	0	0
83	AR	498	Total 498	Mg 498	0	0
83	AS	19	Total 19	Mg 19	0	0
83	AT	19	Total 19	Mg 19	0	0
83	CD	1	Total 1	Mg 1	0	0
83	CE	3	Total 3	Mg 3	0	0
83	CF	5	Total 5	Mg 5	0	0
83	CG	1	Total 1	Mg 1	0	0
83	CI	2	Total 2	Mg 2	0	0
83	CJ	1	Total 1	Mg 1	0	0
83	CK	1	Total 1	Mg 1	0	0
83	CL	2	Total 2	Mg 2	0	0
83	CM	2	Total 2	Mg 2	0	0

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
83	CO	1	Total 1	Mg 1	0	0
83	CP	5	Total 5	Mg 5	0	0
83	CQ	3	Total 3	Mg 3	0	0
83	CR	8	Total 8	Mg 8	0	0
83	CU	1	Total 1	Mg 1	0	0
83	CX	1	Total 1	Mg 1	0	0
83	DA	2	Total 2	Mg 2	0	0
83	DC	2	Total 2	Mg 2	0	0
83	DD	1	Total 1	Mg 1	0	0
83	DH	2	Total 2	Mg 2	0	0
83	DI	3	Total 3	Mg 3	0	0
83	DL	2	Total 2	Mg 2	0	0
83	DO	2	Total 2	Mg 2	0	0
83	DP	1	Total 1	Mg 1	0	0
83	DQ	2	Total 2	Mg 2	0	0
83	sM	2	Total 2	Mg 2	0	0
83	A	135	Total 135	Mg 135	0	0
83	D	2	Total 2	Mg 2	0	0
83	F	1	Total 1	Mg 1	0	0
83	O	1	Total 1	Mg 1	0	0
83	P	1	Total 1	Mg 1	0	0

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Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
83	S	1	Total Mg 1 1	0	0
83	X	1	Total Mg 1 1	0	0
83	Y	1	Total Mg 1 1	0	0
83	b	1	Total Mg 1 1	0	0
83	sR	149	Total Mg 149 149	0	0
83	s1	1	Total Mg 1 1	0	0
83	s2	1	Total Mg 1 1	0	0
83	s4	1	Total Mg 1 1	0	0
83	s6	1	Total Mg 1 1	0	0
83	s8	2	Total Mg 2 2	0	0
83	s9	1	Total Mg 1 1	0	0
83	c1	1	Total Mg 1 1	0	0
83	c3	1	Total Mg 1 1	0	0
83	c4	2	Total Mg 2 2	0	0
83	c6	1	Total Mg 1 1	0	0
83	c8	1	Total Mg 1 1	0	0
83	c9	2	Total Mg 2 2	0	0
83	d3	3	Total Mg 3 3	0	0
83	d4	3	Total Mg 3 3	0	0
83	d5	1	Total Mg 1 1	0	0
83	d6	2	Total Mg 2 2	0	0

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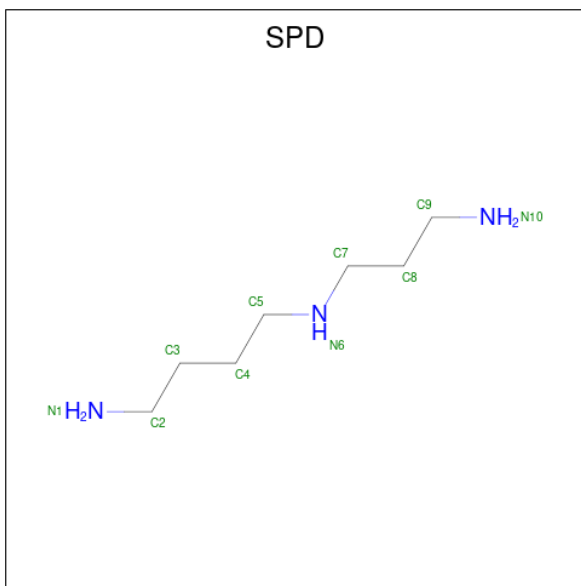
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Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
83	d9	1	Total Mg 1 1	0	0

- Molecule 84 is POTASSIUM ION (three-letter code: K) (formula: K).

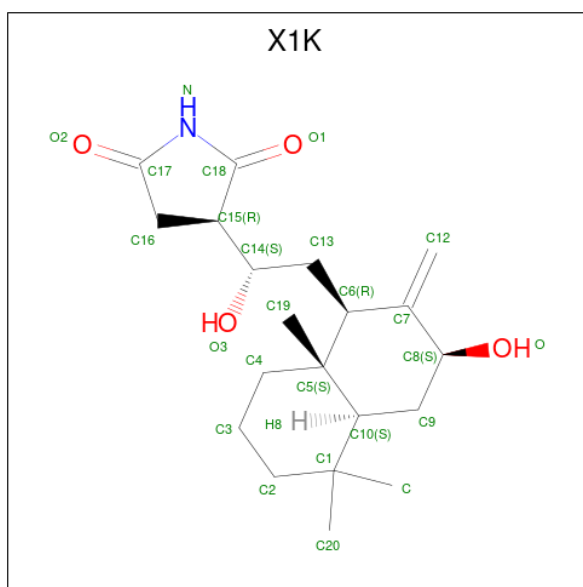
Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
84	1	1	Total K 1 1	0	0
84	j	1	Total K 1 1	0	0
84	AR	4	Total K 4 4	0	0
84	sR	1	Total K 1 1	0	0

- Molecule 85 is SPERMIDINE (three-letter code: SPD) (formula: C₇H₁₉N₃).



Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
85	1	1	Total C N 10 7 3	0	0
85	AR	1	Total C N 10 7 3	0	0

- Molecule 86 is (3 {R})-3-[(1 {S})-2-[(1 {R},3 {S},4 {a} {S},8 {a} {S})-5,5,8 {a}-trimethyl-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: X1K) (formula: C₂₀H₃₁NO₄).



Mol	Chain	Residues	Atoms				ZeroOcc	AltConf
86	1	1	Total	C	N	O	0	0
			25	20	1	4		
86	AR	1	Total	C	N	O	0	0
			25	20	1	4		

- Molecule 87 is ZINC ION (three-letter code: ZN) (formula: Zn).

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
87	AK	1	Total	Zn	0	0
			1	1		
87	AN	1	Total	Zn	0	0
			1	1		
87	AP	1	Total	Zn	0	0
			1	1		
87	AQ	1	Total	Zn	0	0
			1	1		
87	DL	1	Total	Zn	0	0
			1	1		
87	DO	1	Total	Zn	0	0
			1	1		
87	DQ	1	Total	Zn	0	0
			1	1		
87	DR	1	Total	Zn	0	0
			1	1		
87	b	1	Total	Zn	0	0
			1	1		
87	c	1	Total	Zn	0	0
			1	1		

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
87	e	1	Total 1	Zn 1	0	0
87	g	1	Total 1	Zn 1	0	0
87	d6	1	Total 1	Zn 1	0	0
87	d7	1	Total 1	Zn 1	0	0
87	d9	1	Total 1	Zn 1	0	0

- Molecule 88 is OSMIUM ION (three-letter code: OS) (formula: Os).

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
88	A	1	Total 1	Os 1	0	0

- Molecule 89 is water.

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
89	1	148	Total 148	O 148	0	0
89	4	14	Total 14	O 14	0	0
89	j	1	Total 1	O 1	0	0
89	x	4	Total 4	O 4	0	0
89	AE	2	Total 2	O 2	0	0
89	AO	1	Total 1	O 1	0	0
89	AR	210	Total 210	O 210	0	0
89	CD	1	Total 1	O 1	0	0
89	CF	7	Total 7	O 7	0	0
89	CI	1	Total 1	O 1	0	0
89	CP	1	Total 1	O 1	0	0

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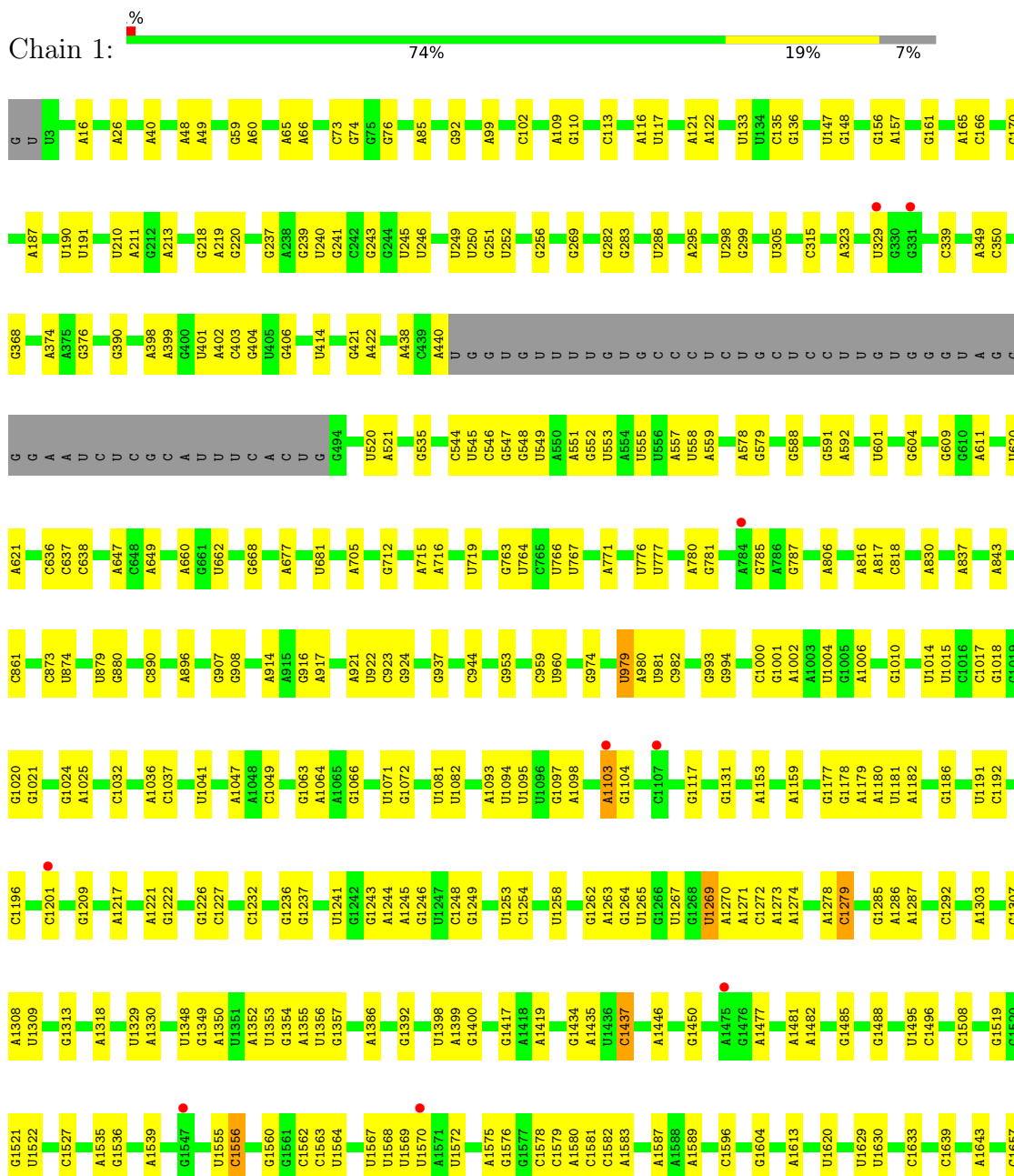
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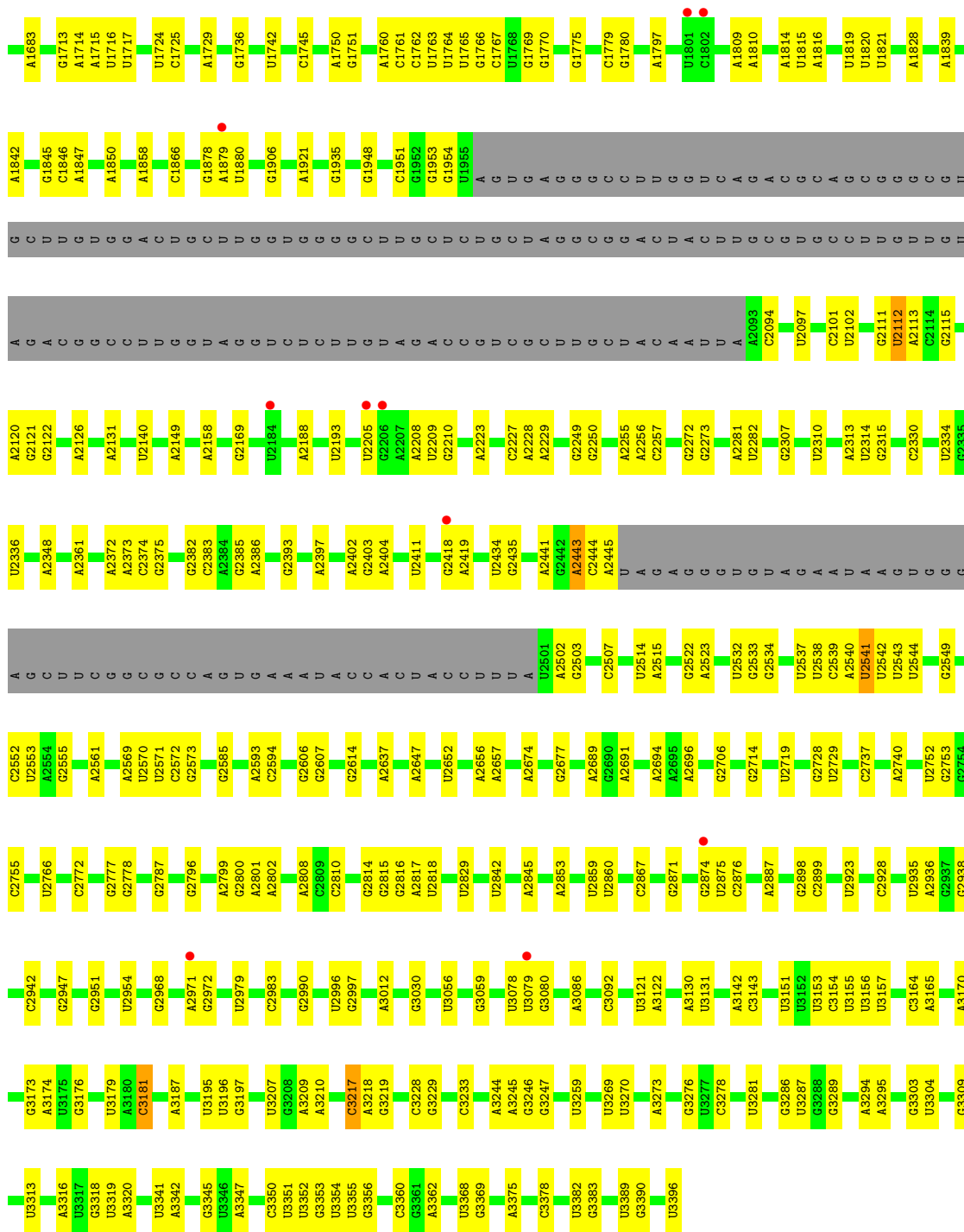
Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
89	CR	1	Total O 1 1	0	0
89	CT	1	Total O 1 1	0	0
89	DG	1	Total O 1 1	0	0
89	A	57	Total O 57 57	0	0
89	R	1	Total O 1 1	0	0
89	S	6	Total O 6 6	0	0
89	Y	1	Total O 1 1	0	0
89	sR	41	Total O 41 41	0	0
89	s8	1	Total O 1 1	0	0
89	c1	1	Total O 1 1	0	0
89	c7	2	Total O 2 2	0	0

3 Residue-property plots

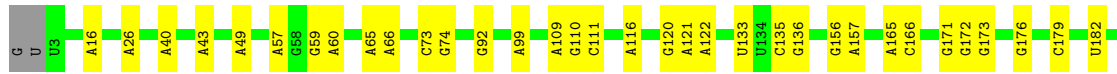
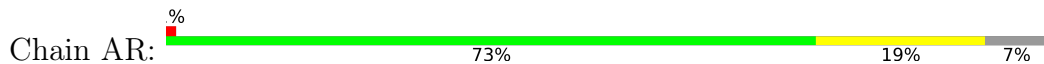
These plots are drawn for all protein, RNA, DNA and oligosaccharide chains in the entry. The first graphic for a chain summarises the proportions of the various outlier classes displayed in the second graphic. The second graphic shows the sequence view annotated by issues in geometry and electron density.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

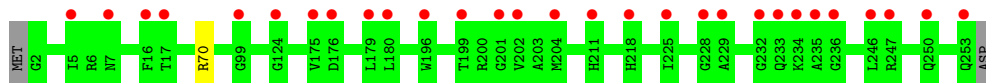
- Molecule 1: 25S ribosomal RNA





● Molecule 1: 25S ribosomal RNA

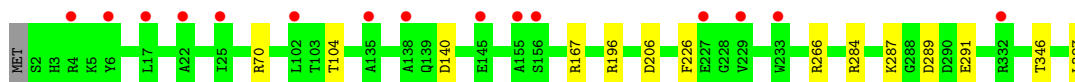




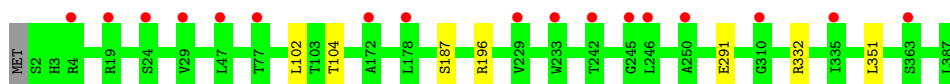
- Molecule 4: 60S ribosomal protein L2-A



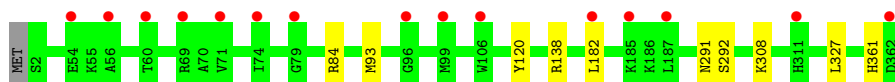
- Molecule 5: 60S ribosomal protein L3



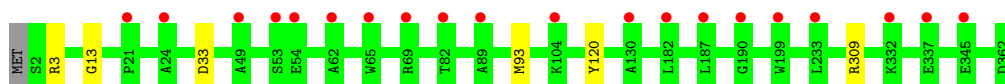
- Molecule 5: 60S ribosomal protein L3



- Molecule 6: 60S ribosomal protein L4-A



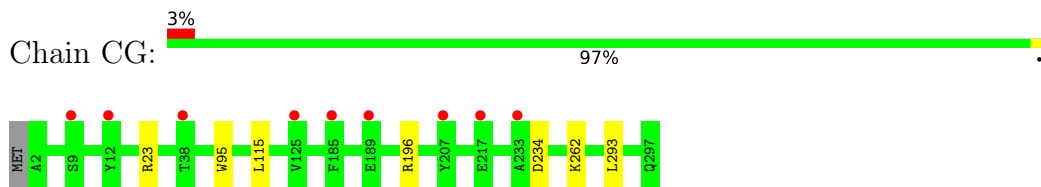
- Molecule 6: 60S ribosomal protein L4-A



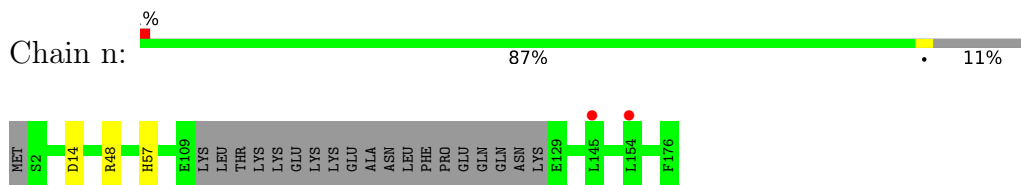
- Molecule 7: 60S ribosomal protein L5



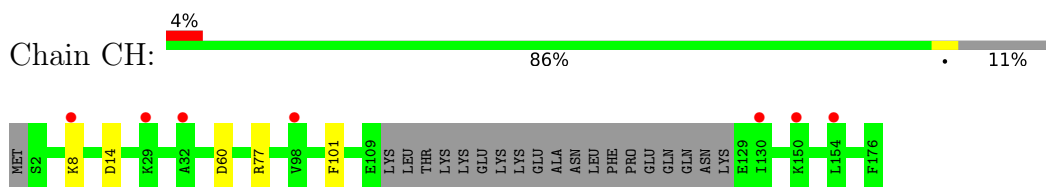
- Molecule 7: 60S ribosomal protein L5



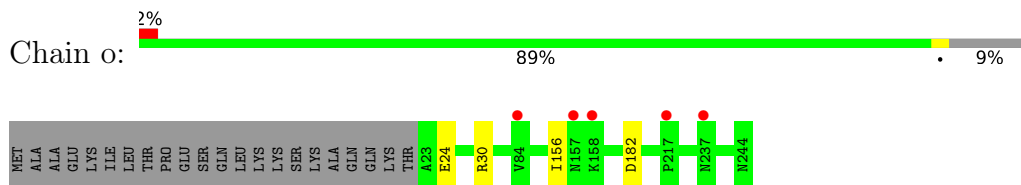
- Molecule 8: 60S ribosomal protein L6-A



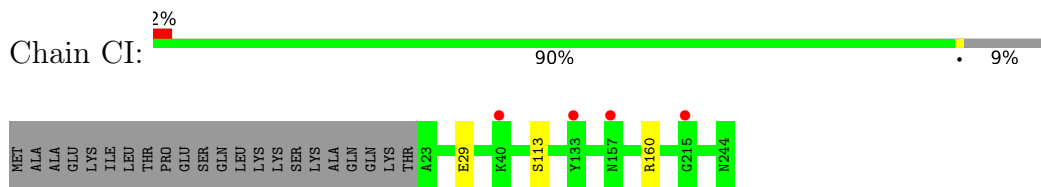
- Molecule 8: 60S ribosomal protein L6-A



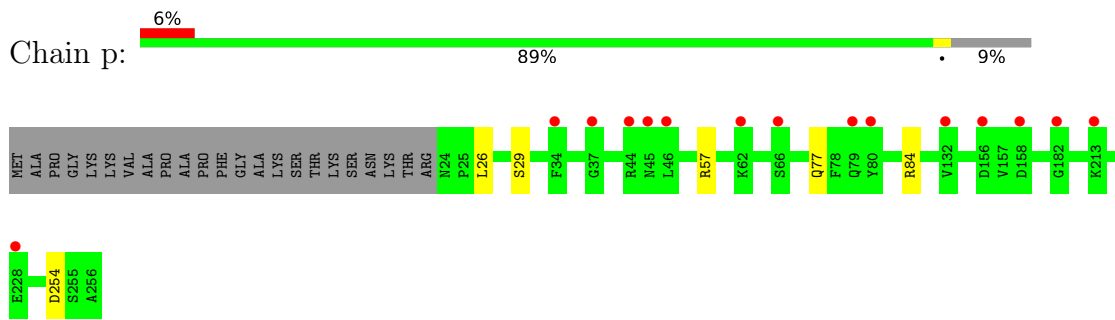
- Molecule 9: 60S ribosomal protein L7-A



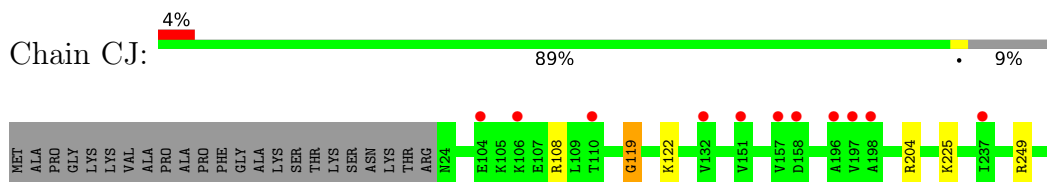
- Molecule 9: 60S ribosomal protein L7-A



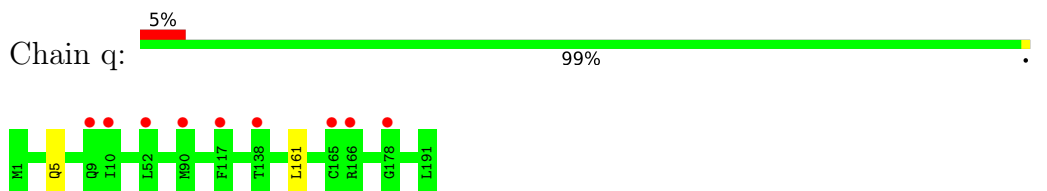
- Molecule 10: 60S ribosomal protein L8-A



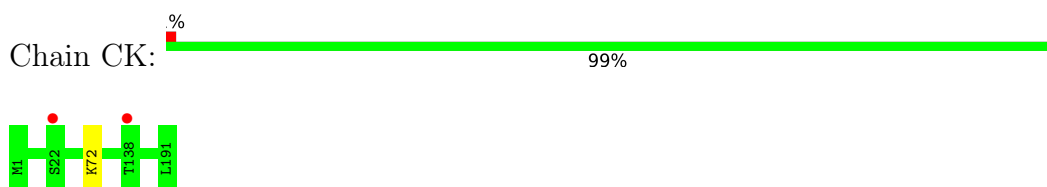
- Molecule 10: 60S ribosomal protein L8-A



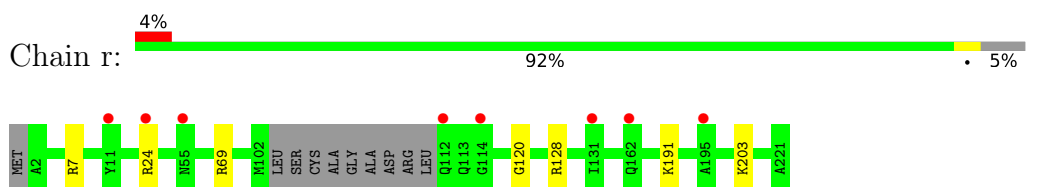
- Molecule 11: 60S ribosomal protein L9-A



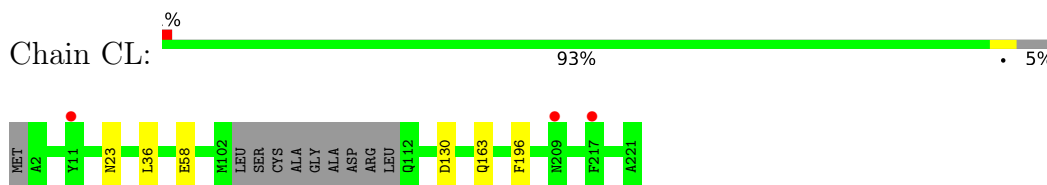
- Molecule 11: 60S ribosomal protein L9-A



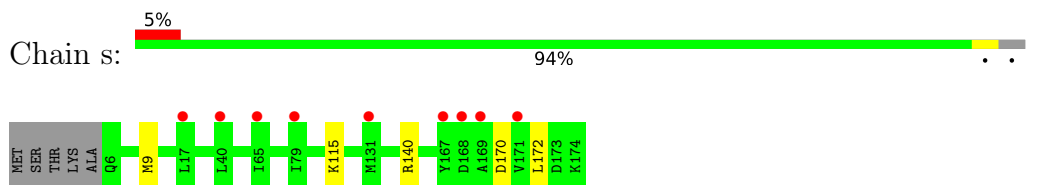
- Molecule 12: 60S ribosomal protein L10



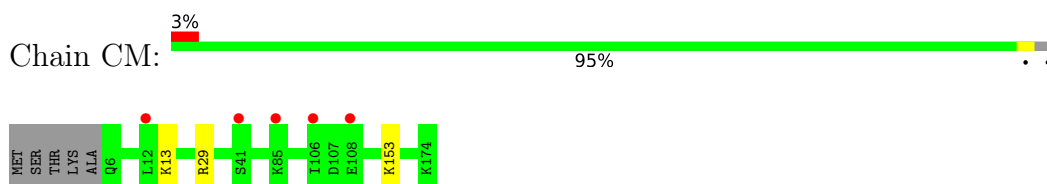
- Molecule 12: 60S ribosomal protein L10



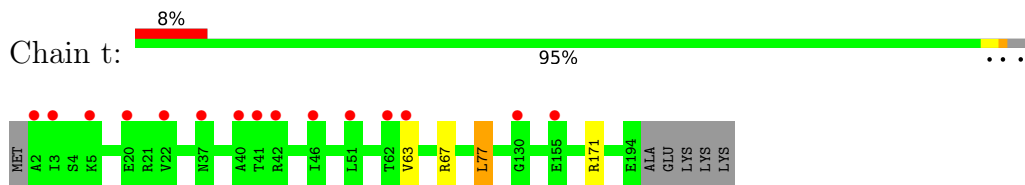
- Molecule 13: Large ribosomal subunit protein uL5B



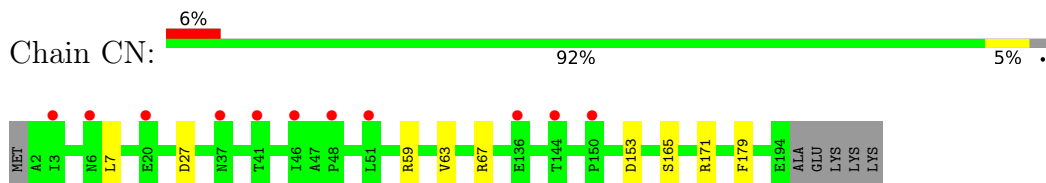
- Molecule 13: Large ribosomal subunit protein uL5B



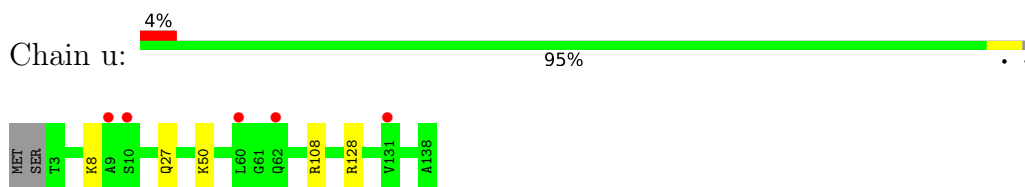
- Molecule 14: 60S ribosomal protein L13-A



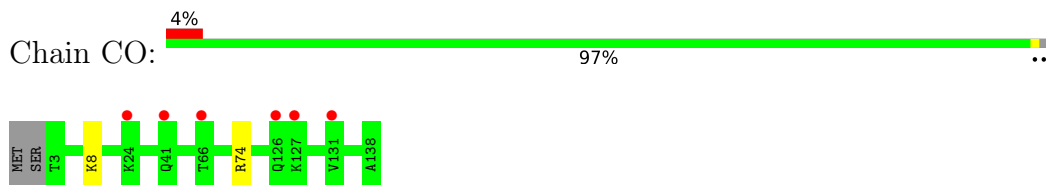
- Molecule 14: 60S ribosomal protein L13-A



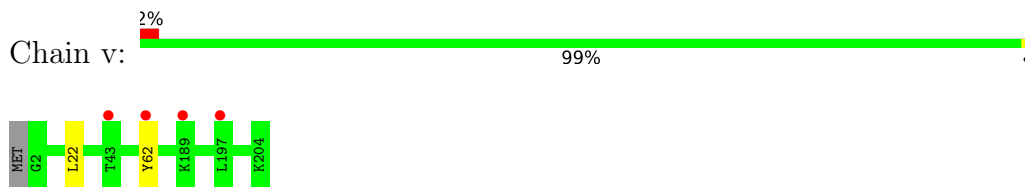
- Molecule 15: 60S ribosomal protein L14-A



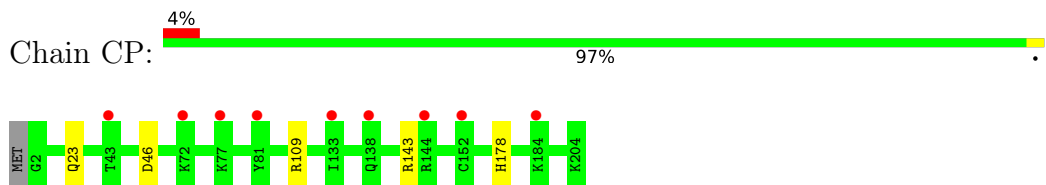
- Molecule 15: 60S ribosomal protein L14-A



- Molecule 16: 60S ribosomal protein L15-A



- Molecule 16: 60S ribosomal protein L15-A

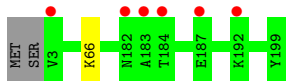


- Molecule 17: 60S ribosomal protein L16-A

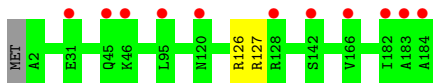




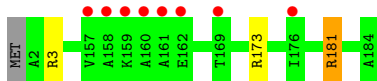
- Molecule 17: 60S ribosomal protein L16-A



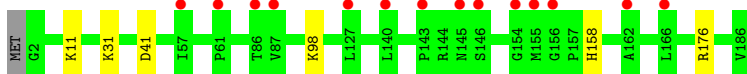
- Molecule 18: 60S ribosomal protein L17-A



- Molecule 18: 60S ribosomal protein L17-A



- Molecule 19: 60S ribosomal protein L18-A



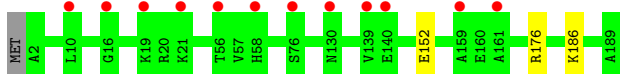
- Molecule 19: 60S ribosomal protein L18-A



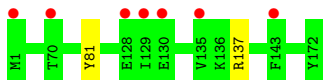
- Molecule 20: 60S ribosomal protein L19-A



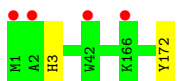
- Molecule 20: 60S ribosomal protein L19-A



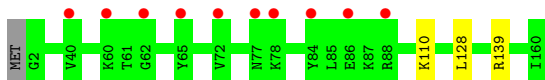
- Molecule 21: 60S ribosomal protein L20-A



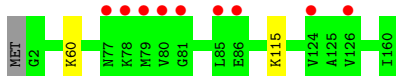
- Molecule 21: 60S ribosomal protein L20-A



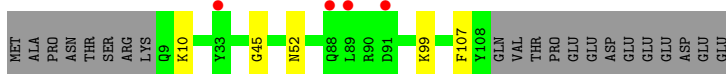
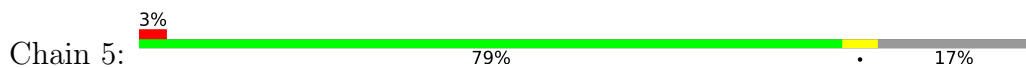
- Molecule 22: 60S ribosomal protein L21-A



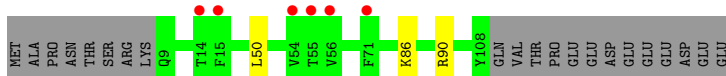
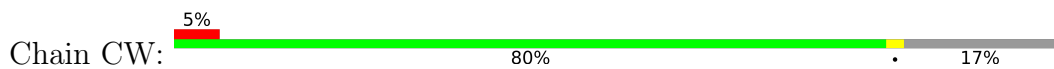
- Molecule 22: 60S ribosomal protein L21-A



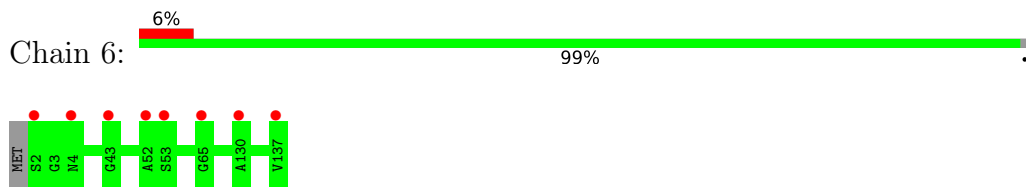
- Molecule 23: 60S ribosomal protein L22-A



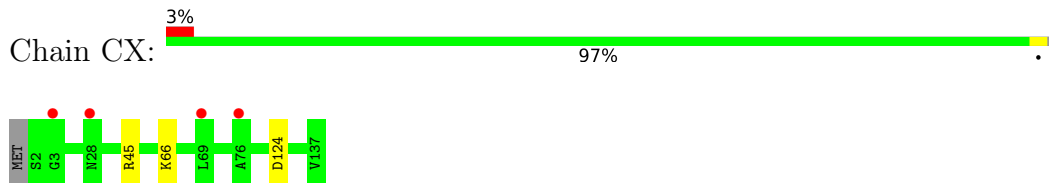
- Molecule 23: 60S ribosomal protein L22-A



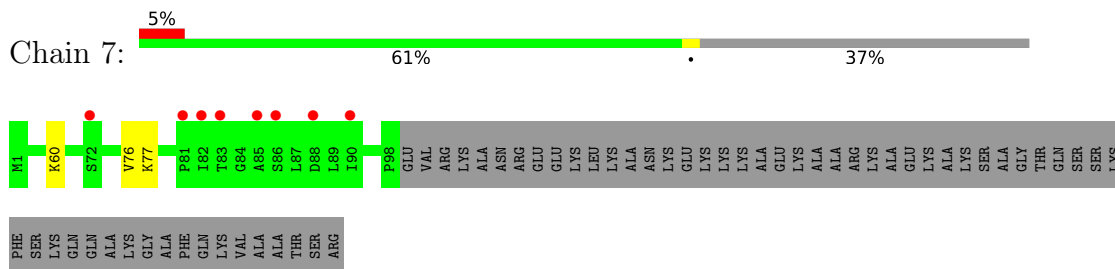
- Molecule 24: 60S ribosomal protein L23-A



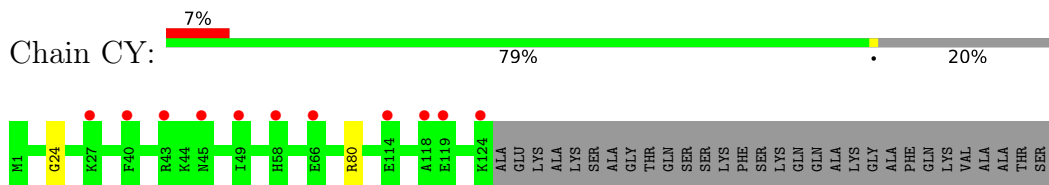
- Molecule 24: 60S ribosomal protein L23-A



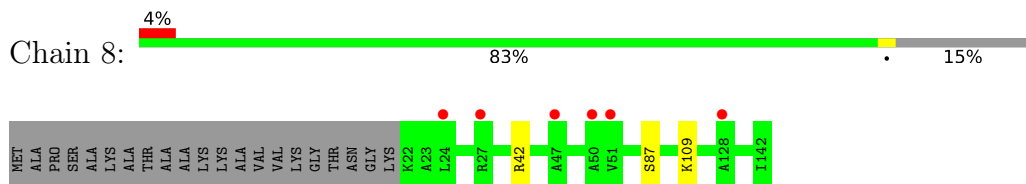
- Molecule 25: 60S ribosomal protein L24-A



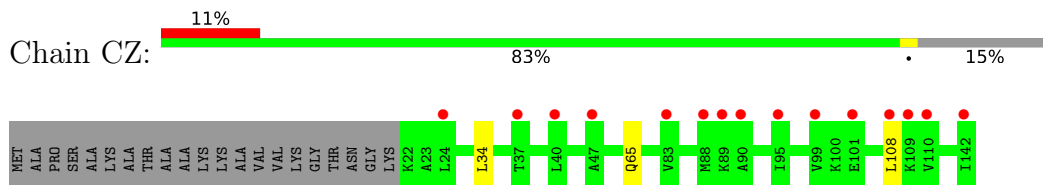
- Molecule 25: 60S ribosomal protein L24-A



- Molecule 26: 60S ribosomal protein L25



- Molecule 26: 60S ribosomal protein L25

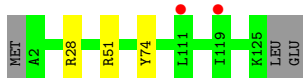


- Molecule 27: 60S ribosomal protein L26-A

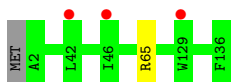




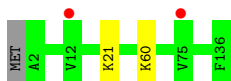
- Molecule 27: 60S ribosomal protein L26-A



- Molecule 28: 60S ribosomal protein L27-A



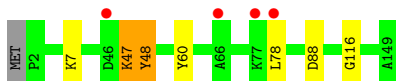
- Molecule 28: 60S ribosomal protein L27-A



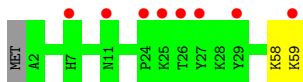
- Molecule 29: 60S ribosomal protein L28



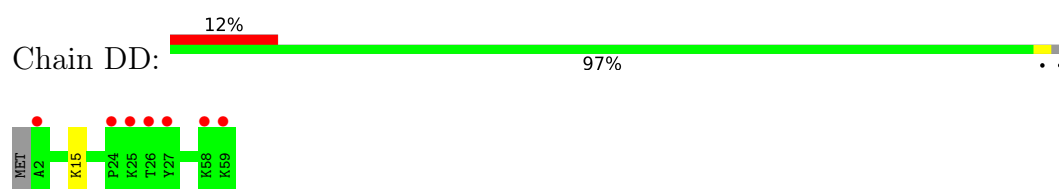
- Molecule 29: 60S ribosomal protein L28



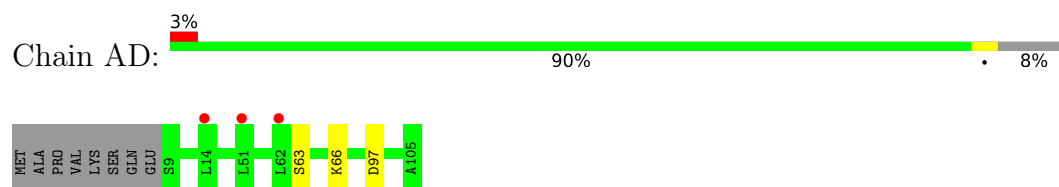
- Molecule 30: 60S ribosomal protein L29



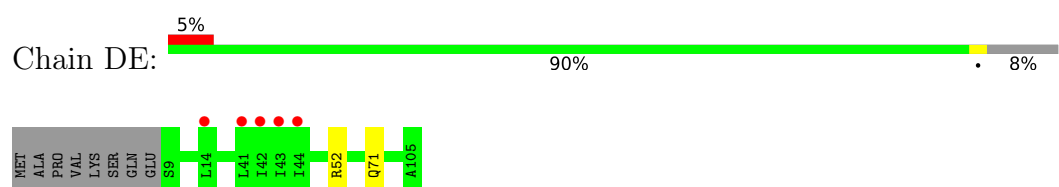
- Molecule 30: 60S ribosomal protein L29



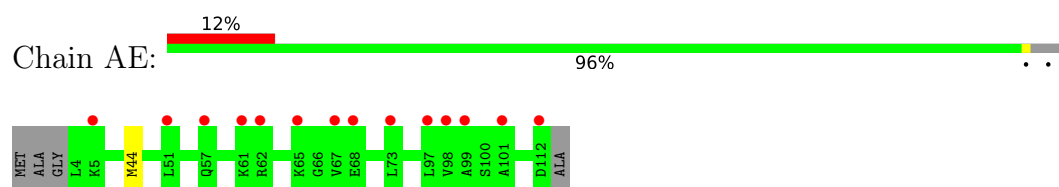
- Molecule 31: 60S ribosomal protein L30



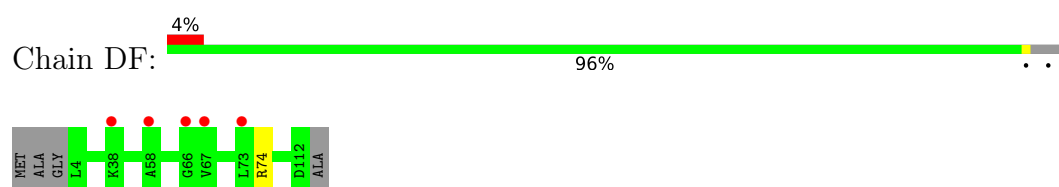
- Molecule 31: 60S ribosomal protein L30



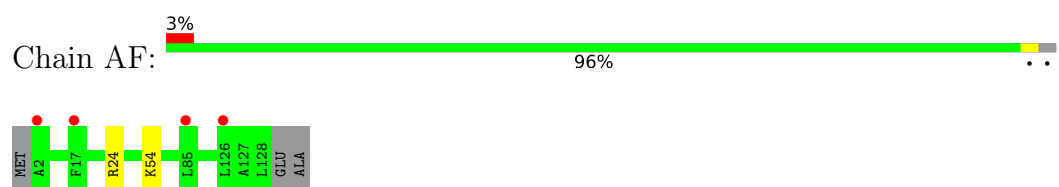
- Molecule 32: 60S ribosomal protein L31-A



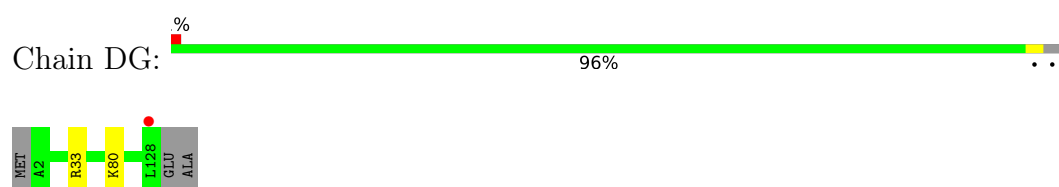
- Molecule 32: 60S ribosomal protein L31-A



- Molecule 33: 60S ribosomal protein L32



- Molecule 33: 60S ribosomal protein L32



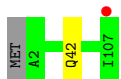
- Molecule 34: 60S ribosomal protein L33-A

Chain AG:  99%

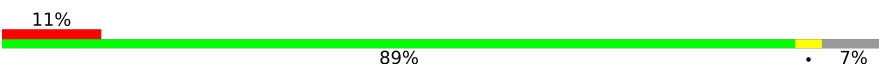


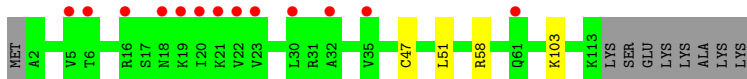
- Molecule 34: 60S ribosomal protein L33-A

Chain DH:  98%



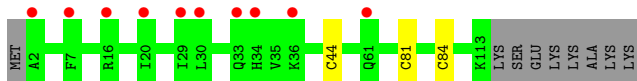
- Molecule 35: 60S ribosomal protein L34-A

Chain AH:  89% 11% 7%



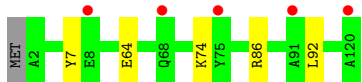
- Molecule 35: 60S ribosomal protein L34-A

Chain DI:  90% 8% 7%



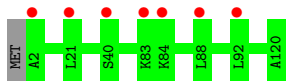
- Molecule 36: 60S ribosomal protein L35-A

Chain AI:  95% 4%



- Molecule 36: 60S ribosomal protein L35-A

Chain DJ:  99% 6%

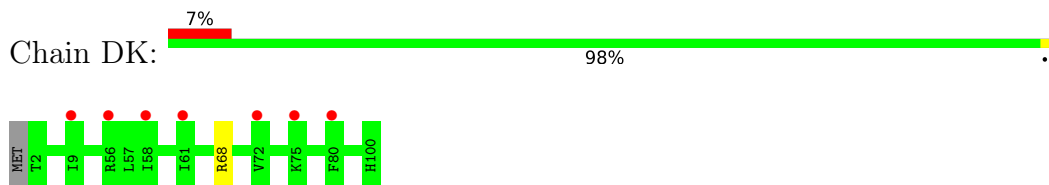


- Molecule 37: 60S ribosomal protein L36-A

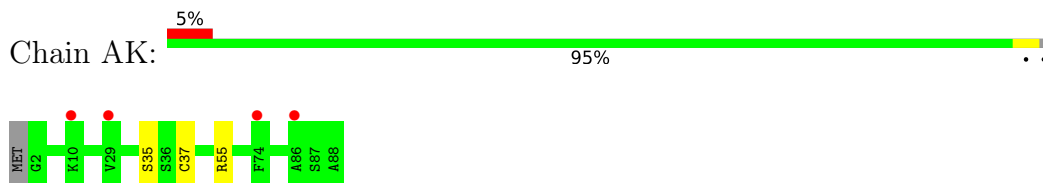
Chain AJ:  95%



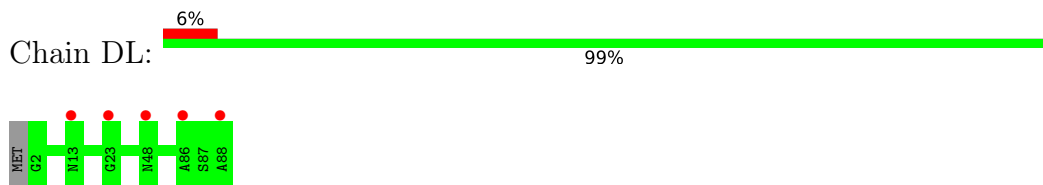
- Molecule 37: 60S ribosomal protein L36-A



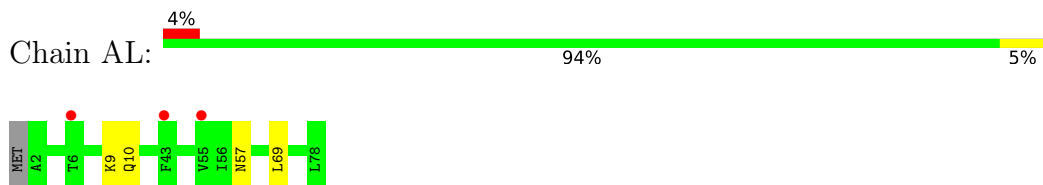
- Molecule 38: 60S ribosomal protein L37-A



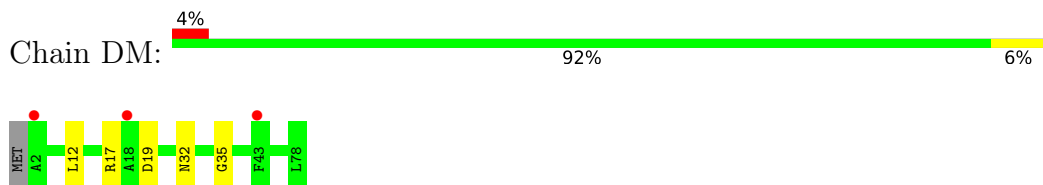
- Molecule 38: 60S ribosomal protein L37-A



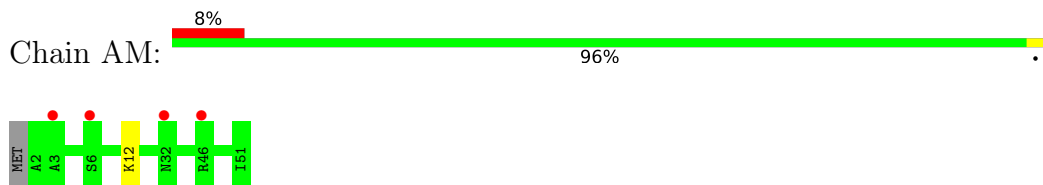
- Molecule 39: 60S ribosomal protein L38



- Molecule 39: 60S ribosomal protein L38



- Molecule 40: 60S ribosomal protein L39

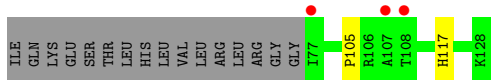
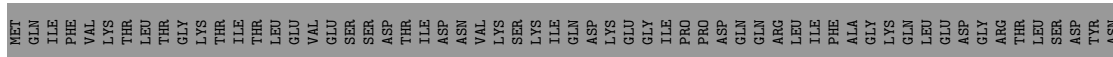
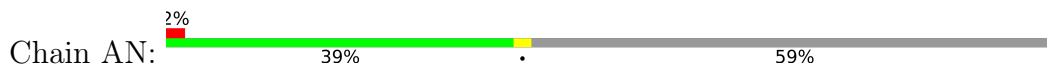


- Molecule 40: 60S ribosomal protein L39

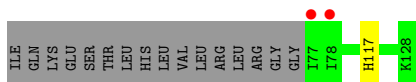
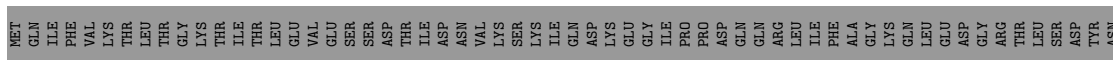




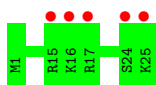
- Molecule 41: Ubiquitin-60S ribosomal protein L40



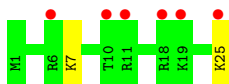
- Molecule 41: Ubiquitin-60S ribosomal protein L40



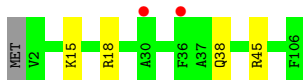
- Molecule 42: 60S ribosomal protein L41-A



- Molecule 42: 60S ribosomal protein L41-A

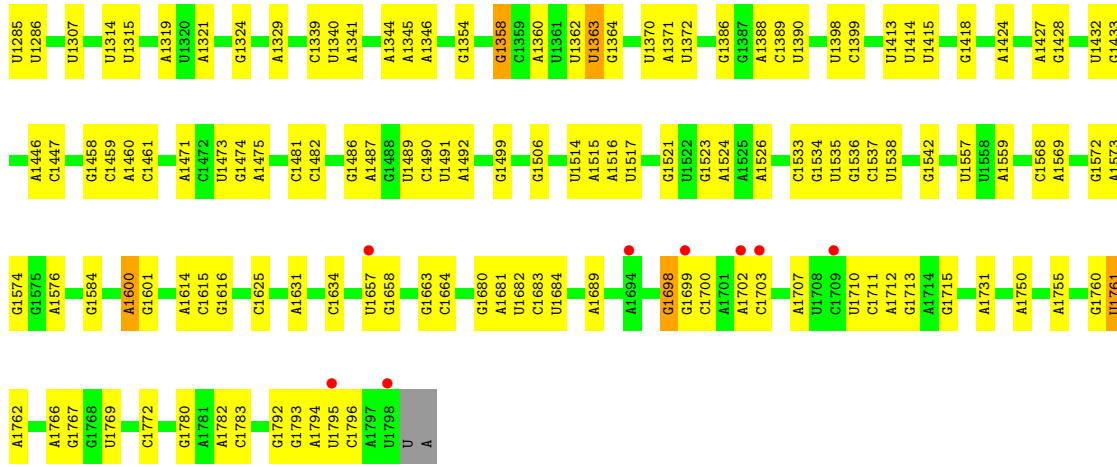


- Molecule 43: 60S ribosomal protein L42-A

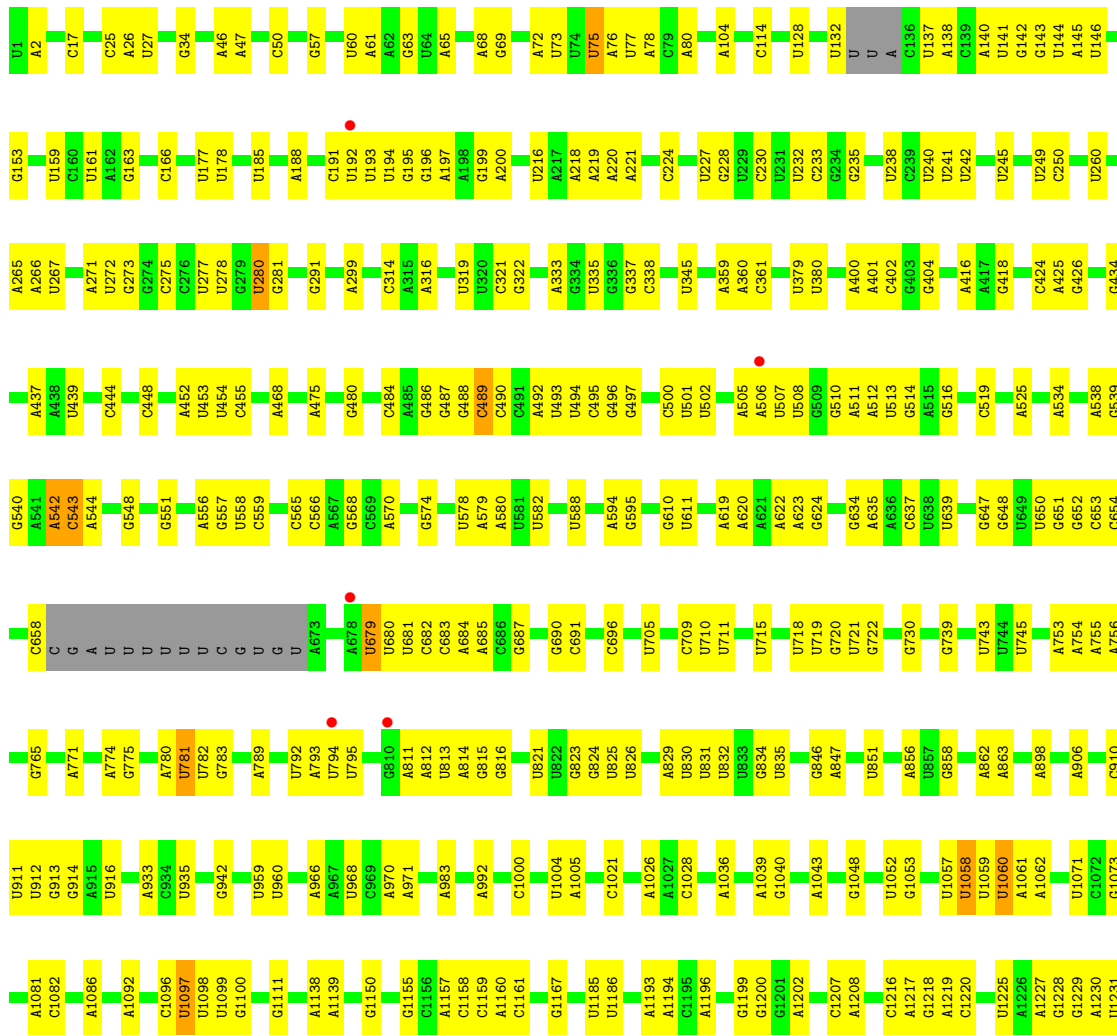


- Molecule 43: 60S ribosomal protein L42-A



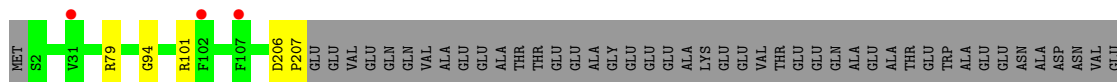
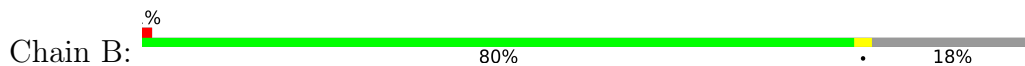


● Molecule 47: 18S ribosomal RNA



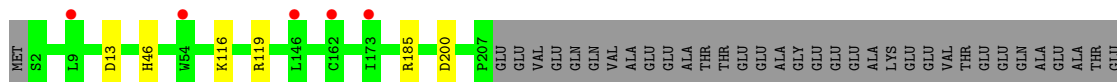
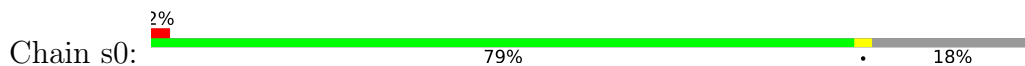


• Molecule 48: 40S ribosomal protein S0-A



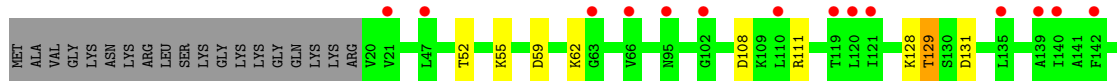
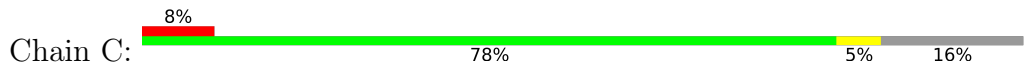
TRP

• Molecule 48: 40S ribosomal protein S0-A



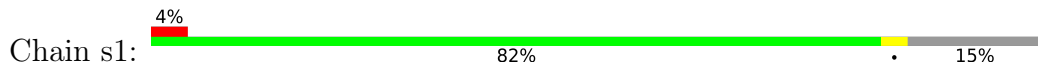
TRP
ALA
GLU
GLY
ASN
ALA
ASP
ASN
VAL
TRP

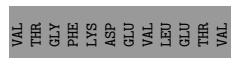
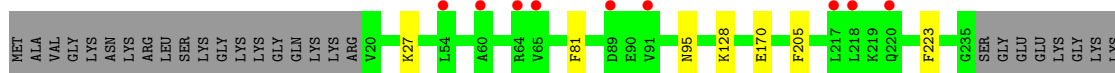
• Molecule 49: 40S ribosomal protein S1-A



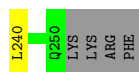
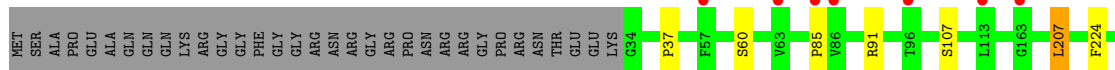
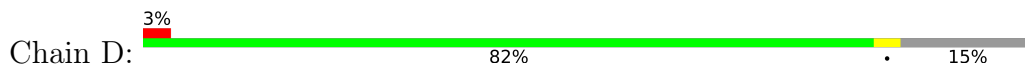
R152
A156
I161
I164
Q177
L188
L207
H211
V212
L217
L218
F223
G233
GLY
SER
GLY
GLU
LYS
GLY
LYS
VAL
THR
GLY
PHE
LYS
ASP
GLU
VAL
LEU
GLU
THR
VAL

• Molecule 49: 40S ribosomal protein S1-A

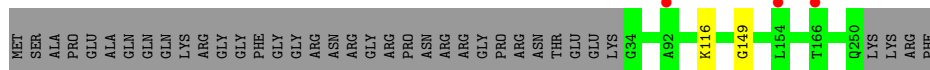
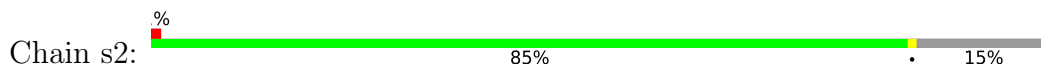




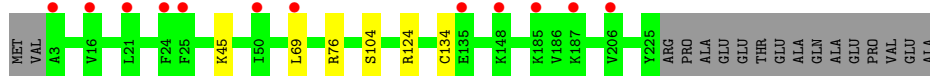
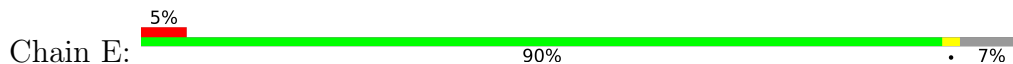
• Molecule 50: 40S ribosomal protein S2



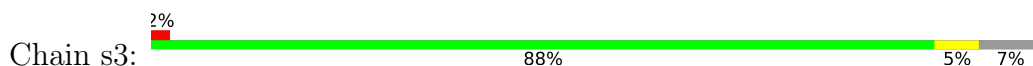
• Molecule 50: 40S ribosomal protein S2



• Molecule 51: Small ribosomal subunit protein uS3



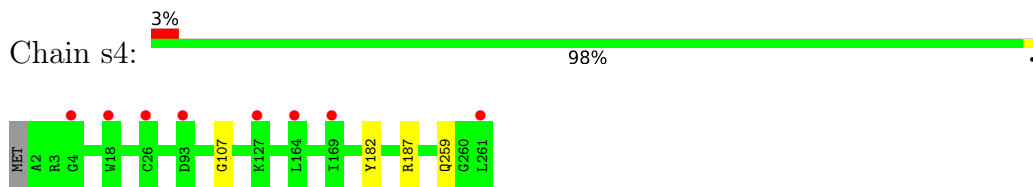
• Molecule 51: Small ribosomal subunit protein uS3



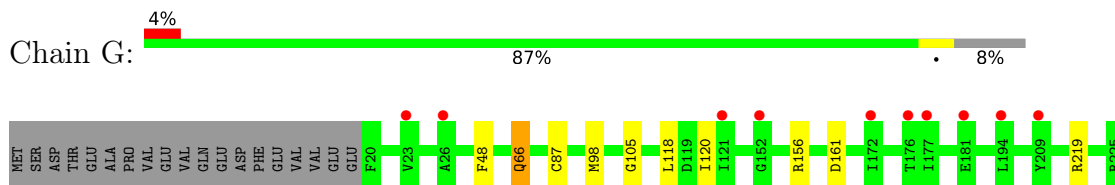
• Molecule 52: 40S ribosomal protein S4-A



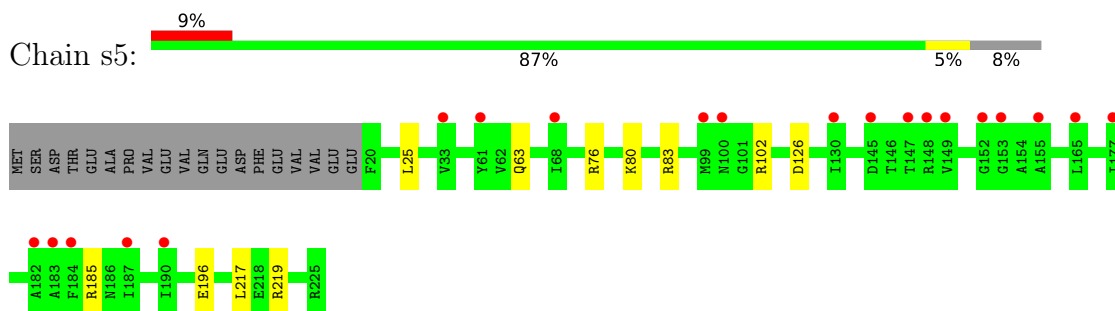
- Molecule 52: 40S ribosomal protein S4-A



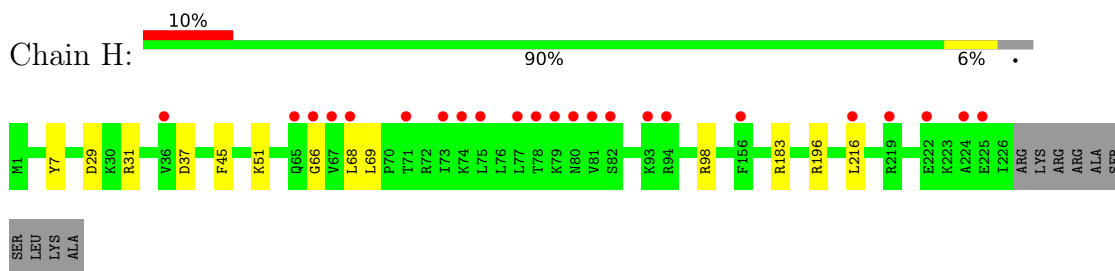
- Molecule 53: 40S ribosomal protein S5



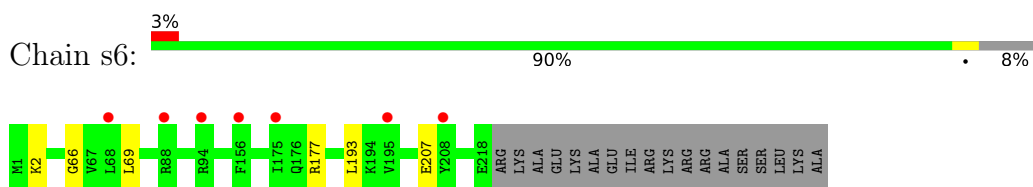
- Molecule 53: 40S ribosomal protein S5



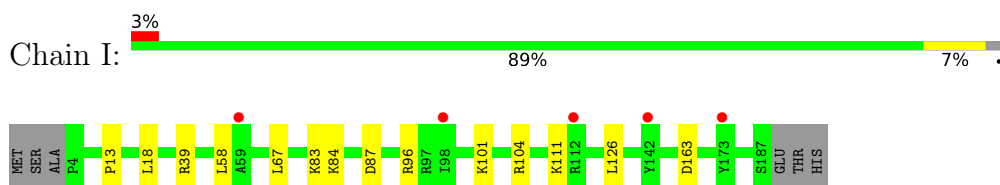
- Molecule 54: 40S ribosomal protein S6-A



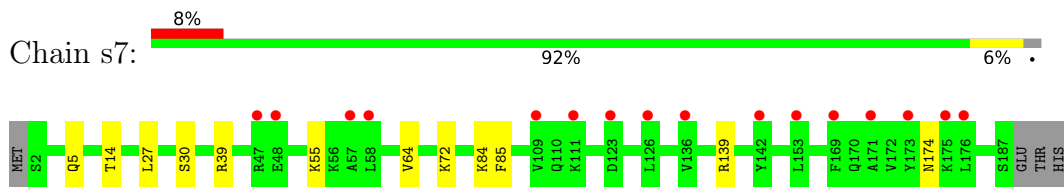
- Molecule 54: 40S ribosomal protein S6-A



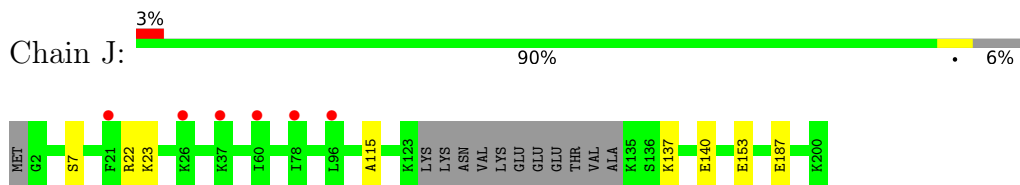
- Molecule 55: 40S ribosomal protein S7-A



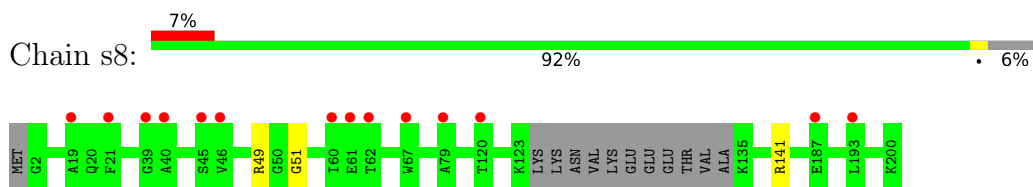
- Molecule 55: 40S ribosomal protein S7-A



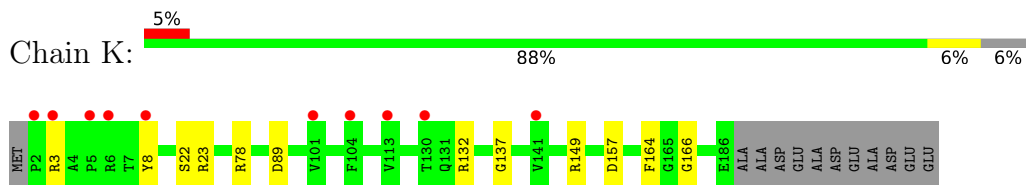
- Molecule 56: 40S ribosomal protein S8-A



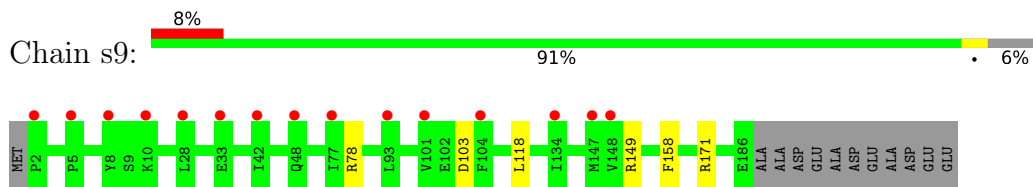
- Molecule 56: 40S ribosomal protein S8-A



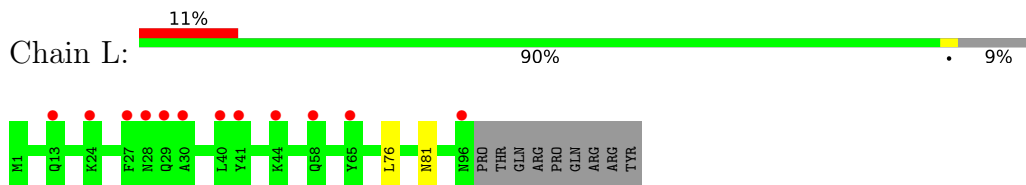
- Molecule 57: 40S ribosomal protein S9-A



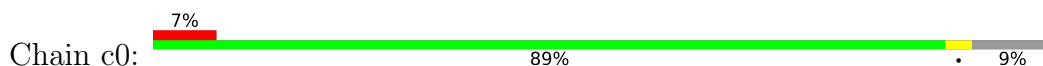
- Molecule 57: 40S ribosomal protein S9-A

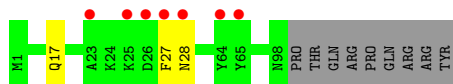


- Molecule 58: 40S ribosomal protein S10-A

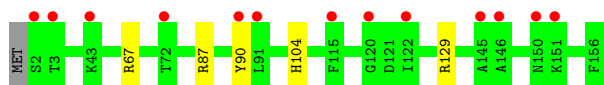


- Molecule 58: 40S ribosomal protein S10-A

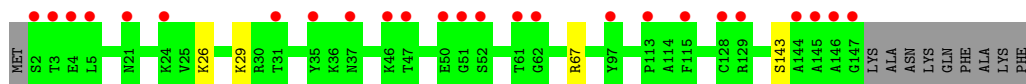
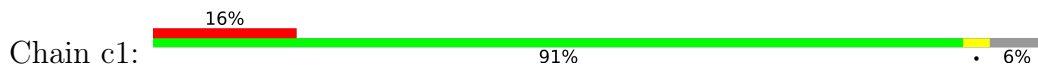




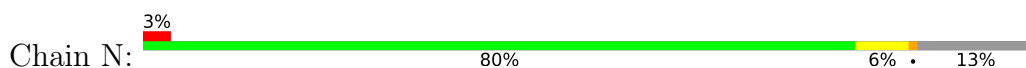
• Molecule 59: 40S ribosomal protein S11-A



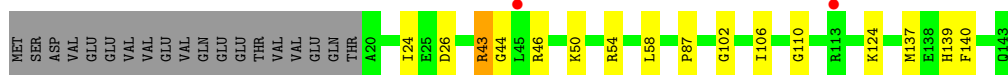
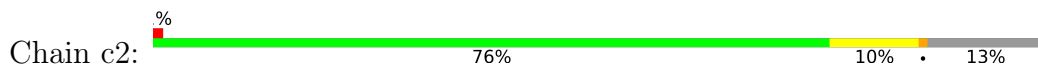
• Molecule 59: 40S ribosomal protein S11-A



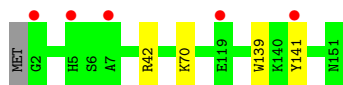
• Molecule 60: 40S ribosomal protein S12



• Molecule 60: 40S ribosomal protein S12



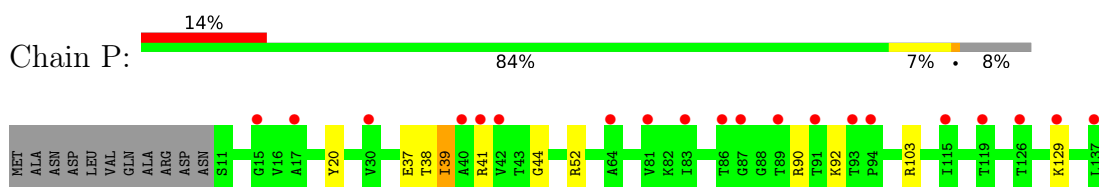
• Molecule 61: 40S ribosomal protein S13



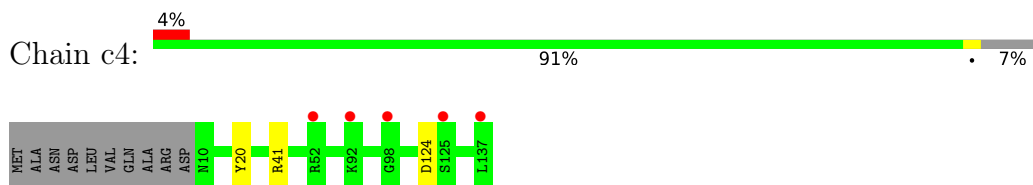
• Molecule 61: 40S ribosomal protein S13



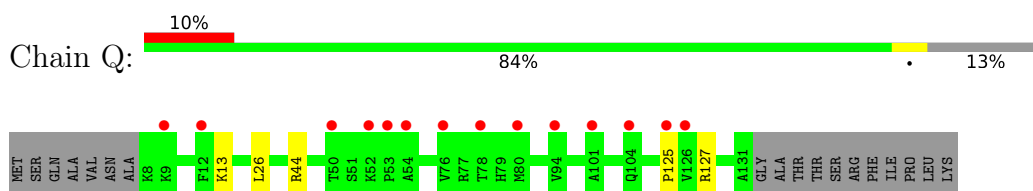
• Molecule 62: 40S ribosomal protein S14-B



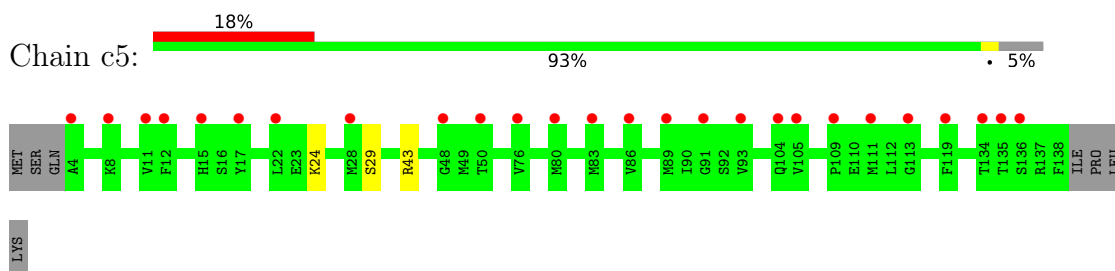
- Molecule 62: 40S ribosomal protein S14-B



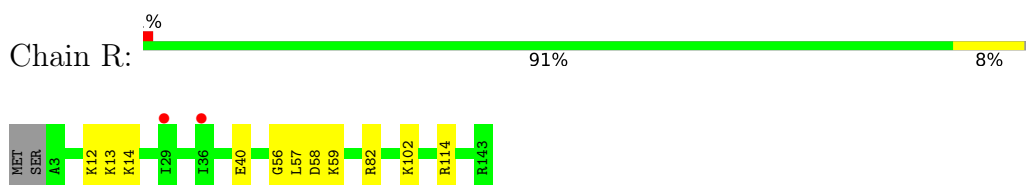
- Molecule 63: 40S ribosomal protein S15



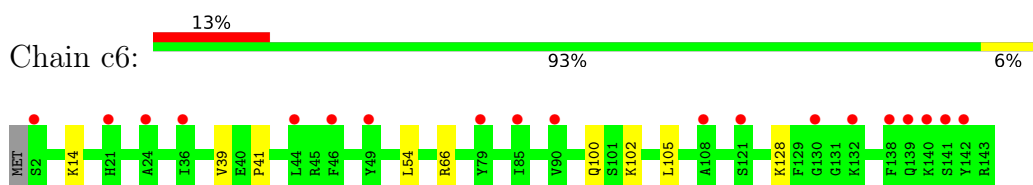
- Molecule 63: 40S ribosomal protein S15



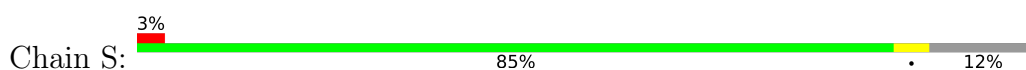
- Molecule 64: 40S ribosomal protein S16-A

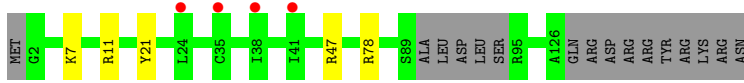


- Molecule 64: 40S ribosomal protein S16-A

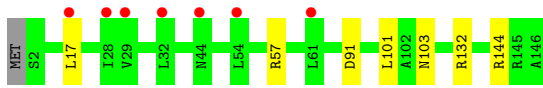


- Molecule 65: 40S ribosomal protein S17-B

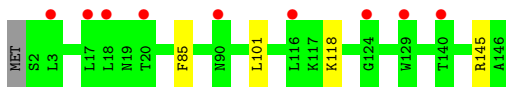




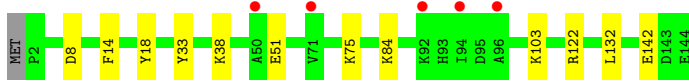
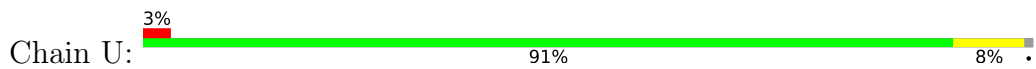
- Molecule 66: 40S ribosomal protein S18-A



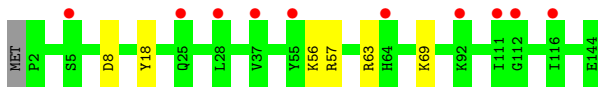
- Molecule 66: 40S ribosomal protein S18-A



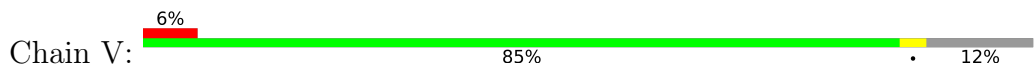
- Molecule 67: 40S ribosomal protein S19-A



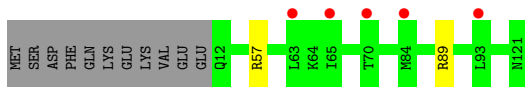
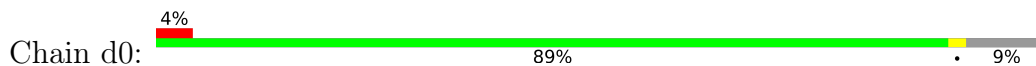
- Molecule 67: 40S ribosomal protein S19-A



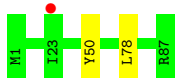
- Molecule 68: Small ribosomal subunit protein uS10



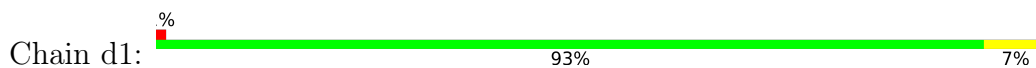
- Molecule 68: Small ribosomal subunit protein uS10



- Molecule 69: 40S ribosomal protein S21-A



- Molecule 69: 40S ribosomal protein S21-A



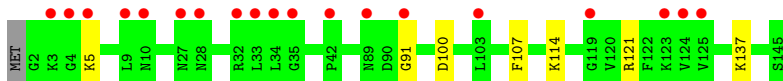
- Molecule 70: 40S ribosomal protein S22-A



- Molecule 70: 40S ribosomal protein S22-A



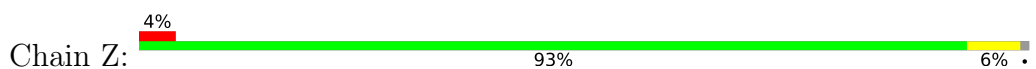
- Molecule 71: 40S ribosomal protein S23-A



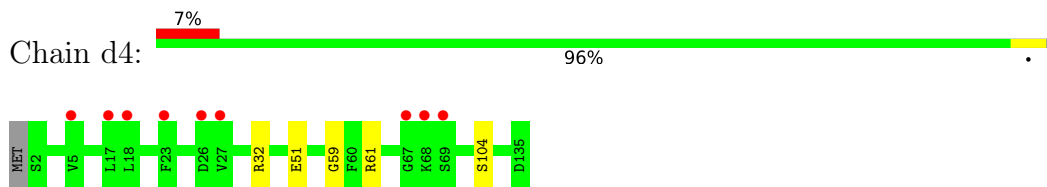
- Molecule 71: 40S ribosomal protein S23-A



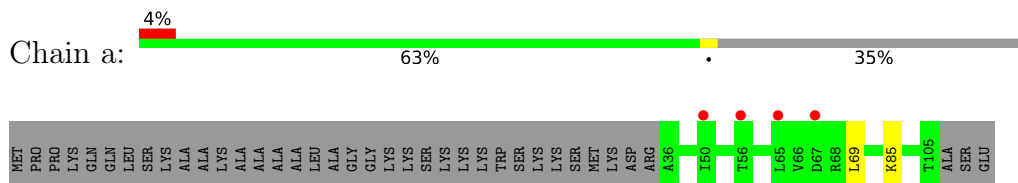
- Molecule 72: 40S ribosomal protein S24-A



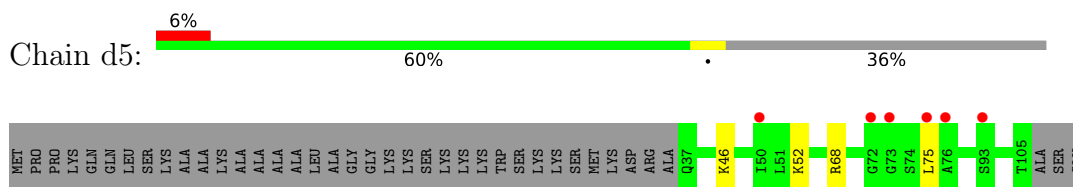
- Molecule 72: 40S ribosomal protein S24-A



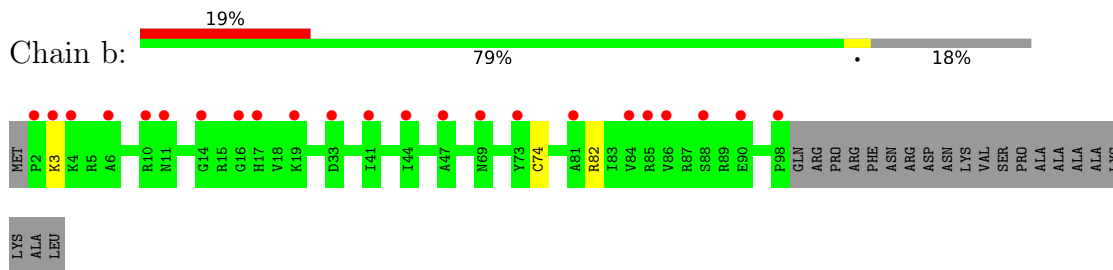
- Molecule 73: 40S ribosomal protein S25-A



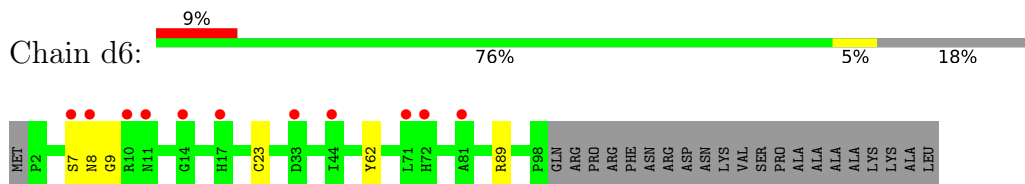
- Molecule 73: 40S ribosomal protein S25-A



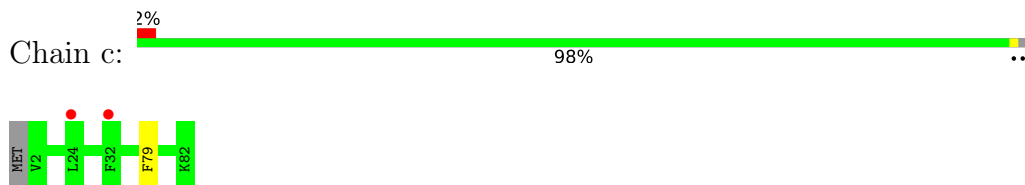
- Molecule 74: Small ribosomal subunit protein eS26B



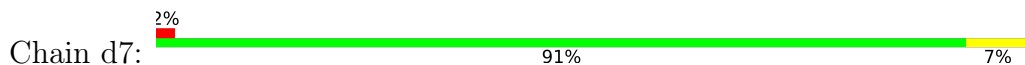
- Molecule 74: Small ribosomal subunit protein eS26B

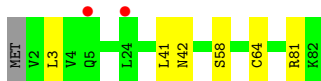


- Molecule 75: 40S ribosomal protein S27-A

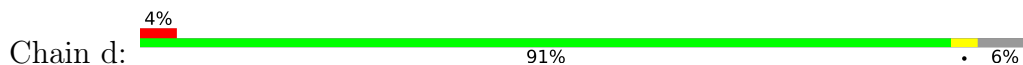


- Molecule 75: 40S ribosomal protein S27-A

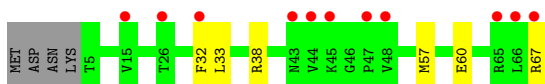
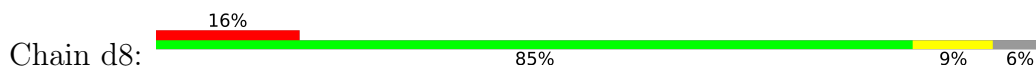




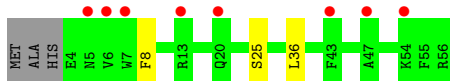
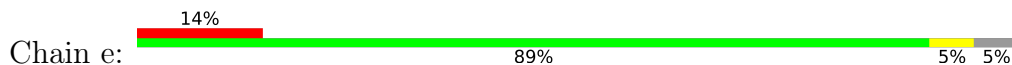
- Molecule 76: 40S ribosomal protein S28-A



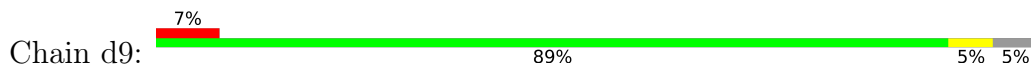
- Molecule 76: 40S ribosomal protein S28-A



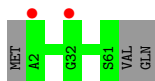
- Molecule 77: Small ribosomal subunit protein uS14A



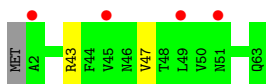
- Molecule 77: Small ribosomal subunit protein uS14A



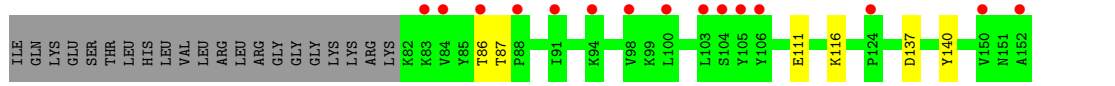
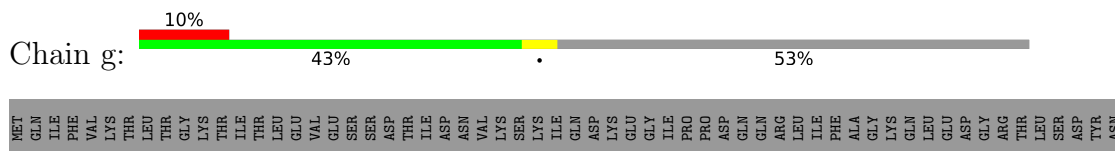
- Molecule 78: 40S ribosomal protein S30-A



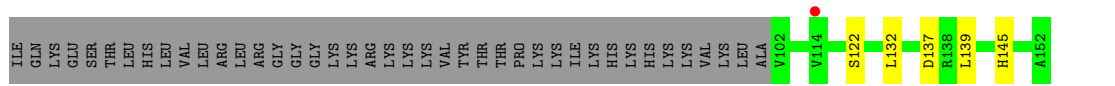
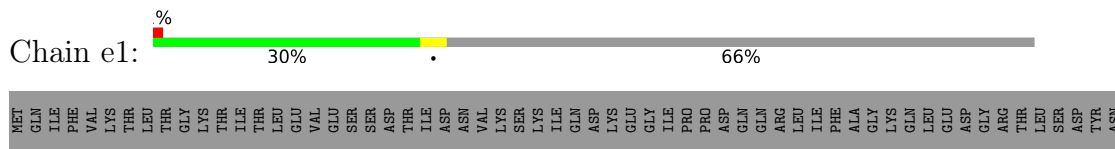
- Molecule 78: 40S ribosomal protein S30-A



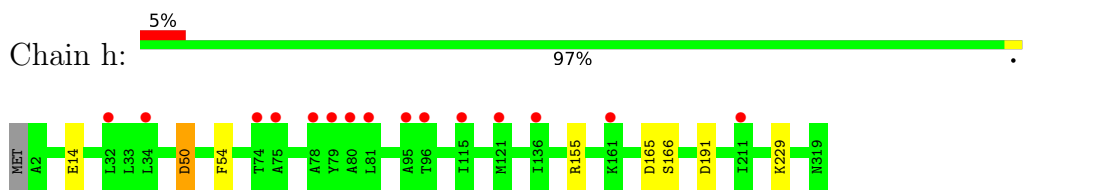
- Molecule 79: Ubiquitin



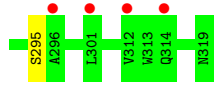
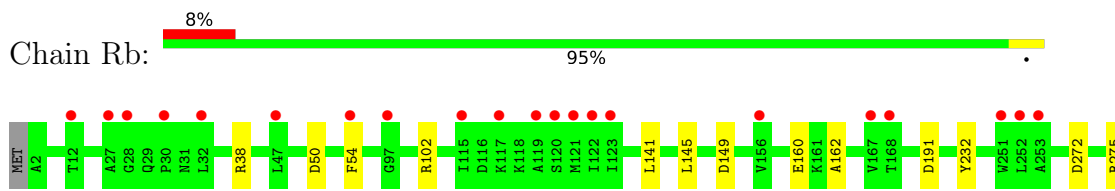
• Molecule 79: Ubiquitin



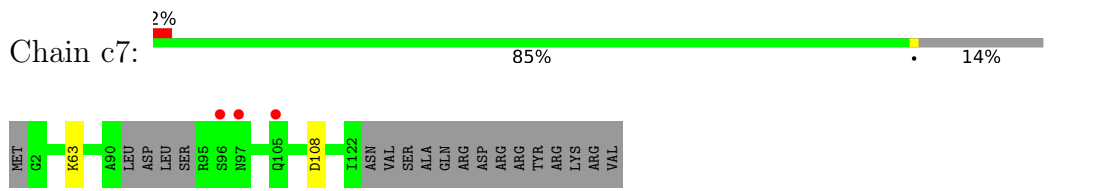
• Molecule 80: Guanine nucleotide-binding protein subunit beta-like protein



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



• Molecule 81: 40S ribosomal protein S17-A



4 Data and refinement statistics

Property	Value	Source
Space group	P 1 21 1	Depositor
Cell constants a, b, c, α , β , γ	302.58Å 285.05Å 433.72Å 90.00° 98.89° 90.00°	Depositor
Resolution (Å)	206.30 – 3.16 206.30 – 3.16	Depositor EDS
% Data completeness (in resolution range)	98.1 (206.30-3.16) 86.5 (206.30-3.16)	Depositor EDS
R_{merge}	0.12	Depositor
R_{sym}	(Not available)	Depositor
$\langle I/\sigma(I) \rangle$ ¹	0.52 (at 3.13Å)	Xtrriage
Refinement program	PHENIX 1.20.1_4487, PHENIX 1.20.1_4487	Depositor
R, R_{free}	0.223 , 0.251 0.225 , 0.251	Depositor DCC
R_{free} test set	1190791 reflections (2.05%)	wwPDB-VP
Wilson B-factor (Å ²)	72.9	Xtrriage
Anisotropy	0.178	Xtrriage
Bulk solvent k_{sol} (e/Å ³), B_{sol} (Å ²)	0.30 , 60.9	EDS
L-test for twinning ²	$\langle L \rangle = 0.45$, $\langle L^2 \rangle = 0.28$	Xtrriage
Estimated twinning fraction	No twinning to report.	Xtrriage
F_o, F_c correlation	0.91	EDS
Total number of atoms	409267	wwPDB-VP
Average B, all atoms (Å ²)	103.0	wwPDB-VP

Xtrriage's analysis on translational NCS is as follows: *The largest off-origin peak in the Patterson function is 1.46% of the height of the origin peak. No significant pseudotranslation is detected.*

¹Intensities estimated from amplitudes.

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

5 Model quality i

5.1 Standard geometry i

Bond lengths and bond angles in the following residue types are not validated in this section: OHX, X1K, K, OS, SPD, ZN, MG

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

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	# Z >5	RMSZ	# Z >5
1	1	0.23	0/75394	0.83	35/117545 (0.0%)
1	AR	0.23	0/75347	0.83	39/117472 (0.0%)
2	3	0.21	0/2883	0.78	0/4491
2	AS	0.21	0/2883	0.79	0/4491
3	4	0.21	0/3746	0.79	0/5832
3	AT	0.20	0/3746	0.79	0/5832
4	CD	0.28	0/1948	0.71	1/2617 (0.0%)
4	j	0.28	0/1948	0.71	0/2617
5	CE	0.30	0/3146	0.70	2/4228 (0.0%)
5	k	0.29	0/3146	0.70	3/4228 (0.1%)
6	CF	0.28	0/2800	0.66	1/3790 (0.0%)
6	l	0.28	0/2800	0.70	4/3790 (0.1%)
7	CG	0.30	0/2425	0.70	1/3271 (0.0%)
7	m	0.28	0/2425	0.68	0/3271
8	CH	0.28	0/1260	0.64	0/1694
8	n	0.27	0/1260	0.63	0/1694
9	CI	0.28	0/1821	0.63	0/2451
9	o	0.28	0/1821	0.66	1/2451 (0.0%)
10	CJ	0.29	0/1836	0.70	2/2481 (0.1%)
10	p	0.29	0/1836	0.68	1/2481 (0.0%)
11	CK	0.29	0/1539	0.66	0/2073
11	q	0.29	0/1539	0.67	0/2073
12	CL	0.30	0/1741	0.69	0/2335
12	r	0.29	0/1741	0.67	1/2335 (0.0%)
13	CM	0.28	0/1374	0.70	0/1842
13	s	0.30	0/1374	0.76	2/1842 (0.1%)
14	CN	0.30	0/1568	0.79	2/2106 (0.1%)
14	t	0.29	0/1568	0.77	1/2106 (0.0%)
15	CO	0.30	0/1068	0.62	0/1438
15	u	0.31	0/1068	0.63	0/1438
16	CP	0.27	0/1757	0.67	0/2354
16	v	0.27	0/1757	0.70	0/2354

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	# Z >5	RMSZ	# Z >5
17	CQ	0.27	0/1585	0.62	0/2128
17	w	0.27	0/1585	0.60	0/2128
18	CR	0.31	0/1443	0.68	0/1944
18	x	0.27	0/1443	0.67	0/1944
19	CS	0.29	0/1465	0.75	1/1965 (0.1%)
19	y	0.28	0/1465	0.70	1/1965 (0.1%)
20	CT	0.27	0/1538	0.70	0/2050
20	z	0.25	0/1538	0.66	1/2050 (0.0%)
21	0	0.30	0/1481	0.69	0/1990
21	CU	0.30	0/1481	0.66	0/1990
22	2	0.29	0/1300	0.65	0/1743
22	CV	0.28	0/1300	0.66	0/1743
23	5	0.30	0/812	0.67	1/1099 (0.1%)
23	CW	0.28	0/812	0.69	0/1099
24	6	0.29	0/1018	0.66	0/1369
24	CX	0.28	0/1018	0.64	0/1369
25	7	0.29	0/712	0.74	2/958 (0.2%)
25	CY	0.29	0/848	0.64	1/1146 (0.1%)
26	8	0.27	0/979	0.69	0/1321
26	CZ	0.27	0/979	0.67	0/1321
27	9	0.29	0/1004	0.68	0/1341
27	DA	0.28	0/987	0.64	0/1318
28	AA	0.32	0/1118	0.77	0/1497
28	DB	0.31	0/1113	0.67	1/1491 (0.1%)
29	AB	0.31	0/1204	0.87	3/1612 (0.2%)
29	DC	0.32	0/1204	0.80	4/1612 (0.2%)
30	AC	0.27	0/473	0.64	0/629
30	DD	0.28	0/473	0.67	0/629
31	AD	0.28	0/751	0.54	0/1008
31	DE	0.26	0/751	0.56	0/1008
32	AE	0.27	0/890	0.68	0/1196
32	DF	0.26	0/890	0.67	0/1196
33	AF	0.26	0/1041	0.65	0/1394
33	DG	0.25	0/1041	0.63	0/1394
34	AG	0.30	0/868	0.71	0/1168
34	DH	0.32	0/868	0.73	0/1168
35	AH	0.30	0/890	0.72	1/1189 (0.1%)
35	DI	0.47	2/890 (0.2%)	0.82	1/1189 (0.1%)
36	AI	0.28	0/978	0.76	1/1301 (0.1%)
36	DJ	0.27	0/978	0.63	0/1301
37	AJ	0.26	0/778	0.65	0/1034
37	DK	0.27	0/778	0.68	0/1034
38	AK	0.27	0/696	0.70	0/923

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	# Z >5	RMSZ	# Z >5
38	DL	0.27	0/696	0.66	0/923
39	AL	0.31	0/618	0.73	0/826
39	DM	0.29	0/618	0.81	3/826 (0.4%)
40	AM	0.28	0/443	0.75	0/588
40	DN	0.26	0/443	0.78	0/588
41	AN	0.30	0/423	0.64	0/562
41	DO	0.30	0/423	0.68	0/562
42	AO	0.26	0/234	0.87	0/300
42	DP	0.27	0/234	0.80	0/300
43	AP	0.62	0/860	0.94	0/1136
43	DQ	0.62	0/860	0.93	0/1136
44	AQ	0.26	0/701	0.76	1/934 (0.1%)
44	DR	0.27	0/701	0.75	0/934
45	i	0.28	0/1113	0.68	0/1502
45	sM	0.31	0/480	0.85	0/642
46	p0	0.29	0/1091	0.74	0/1472
47	A	0.24	0/42443	0.87	53/66134 (0.1%)
47	sR	0.24	0/42490	0.85	49/66207 (0.1%)
48	B	0.33	0/1617	0.87	3/2215 (0.1%)
48	s0	0.30	0/1623	0.74	0/2222
49	C	0.33	0/1735	0.95	6/2335 (0.3%)
49	s1	0.27	0/1748	0.68	0/2352
50	D	0.30	0/1665	0.72	3/2263 (0.1%)
50	s2	0.29	0/1665	0.69	1/2263 (0.0%)
51	E	0.29	0/1759	0.70	0/2368
51	s3	0.32	0/1759	0.81	2/2368 (0.1%)
52	F	0.34	0/2109	0.80	2/2839 (0.1%)
52	s4	0.30	0/2109	0.73	1/2839 (0.0%)
53	G	0.30	0/1629	0.86	4/2202 (0.2%)
53	s5	0.28	0/1629	0.72	1/2202 (0.0%)
54	H	0.30	0/1823	0.81	5/2439 (0.2%)
54	s6	0.29	0/1779	0.76	2/2379 (0.1%)
55	I	0.33	0/1506	0.82	2/2028 (0.1%)
55	s7	0.32	0/1516	0.82	3/2043 (0.1%)
56	J	0.28	0/1514	0.81	2/2021 (0.1%)
56	s8	0.27	0/1514	0.70	1/2021 (0.0%)
57	K	0.29	0/1519	0.78	2/2035 (0.1%)
57	s9	0.28	0/1519	0.77	2/2035 (0.1%)
58	L	0.29	0/789	0.71	0/1067
58	c0	0.30	0/776	0.75	0/1047
59	M	0.29	0/1239	0.70	0/1673
59	c1	0.28	0/1194	0.72	1/1610 (0.1%)
60	N	0.34	0/898	1.03	7/1220 (0.6%)

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	# Z >5	RMSZ	# Z >5
60	c2	0.33	0/898	1.16	11/1220 (0.9%)
61	O	0.27	0/1215	0.60	0/1638
61	c3	0.28	0/1215	0.63	0/1638
62	P	0.45	0/896	0.98	5/1210 (0.4%)
62	c4	0.28	0/960	0.80	0/1290
63	Q	0.32	0/998	0.85	2/1341 (0.1%)
63	c5	0.31	0/1060	0.80	0/1426
64	R	0.31	0/1125	0.75	2/1510 (0.1%)
64	c6	0.28	0/1131	0.81	3/1518 (0.2%)
65	S	0.30	0/935	0.80	0/1254
66	T	0.29	0/1211	0.80	1/1628 (0.1%)
66	c8	0.30	0/1211	0.83	1/1628 (0.1%)
67	U	0.31	0/1130	0.80	3/1517 (0.2%)
67	c9	0.27	0/1130	0.63	0/1517
68	V	0.30	0/865	0.82	0/1169
68	d0	0.29	0/892	0.81	0/1205
69	W	0.30	0/693	0.76	0/935
69	d1	0.28	0/693	0.78	1/935 (0.1%)
70	X	0.30	0/1038	0.76	0/1395
70	d2	0.30	0/1038	0.68	0/1395
71	Y	0.30	0/1139	0.82	2/1518 (0.1%)
71	d3	0.28	0/1139	0.70	1/1518 (0.1%)
72	Z	0.30	0/1087	0.72	2/1449 (0.1%)
72	d4	0.32	0/1087	0.82	3/1449 (0.2%)
73	a	0.30	0/571	0.80	1/768 (0.1%)
73	d5	0.28	0/566	0.79	1/761 (0.1%)
74	b	0.32	0/782	0.87	0/1047
74	d6	0.29	0/782	0.89	2/1047 (0.2%)
75	c	0.29	0/620	0.84	0/838
75	d7	0.27	0/620	0.82	2/838 (0.2%)
76	d	0.27	0/499	1.00	1/670 (0.1%)
76	d8	0.32	0/499	0.95	4/670 (0.6%)
77	d9	0.30	0/452	0.76	1/600 (0.2%)
77	e	0.28	0/452	0.74	1/600 (0.2%)
78	e0	0.29	0/499	0.77	0/665
78	f	0.26	0/483	0.78	0/643
79	e1	0.42	0/404	1.15	2/542 (0.4%)
79	g	0.37	0/577	1.00	3/770 (0.4%)
80	Rb	0.31	0/2495	0.83	4/3395 (0.1%)
80	h	0.30	0/2490	0.76	3/3389 (0.1%)
81	c7	0.27	0/914	0.74	0/1224
All	All	0.26	2/430026 (0.0%)	0.80	332/631405 (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
15	u	0	1
49	C	0	1
All	All	0	2

All (2) bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
35	DI	44	CYS	CB-SG	9.04	1.97	1.82
35	DI	84	CYS	CB-SG	5.94	1.92	1.82

The worst 5 of 332 bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
53	G	120	ILE	C-N-CA	13.14	154.54	121.70
49	C	129	THR	C-N-CA	12.91	153.97	121.70
72	d4	32	ARG	C-N-CA	12.14	152.05	121.70
76	d	39	THR	C-N-CA	11.81	151.23	121.70
19	CS	95	GLU	C-N-CA	11.75	151.06	121.70

There are no chirality outliers.

All (2) planarity outliers are listed below:

Mol	Chain	Res	Type	Group
49	C	129	THR	Peptide
15	u	128	ARG	Sidechain

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%)	382 (100%)	2 (0%)	0	100	100
5	k	384/387 (99%)	374 (97%)	10 (3%)	0	100	100
6	CF	359/362 (99%)	353 (98%)	6 (2%)	0	100	100
6	l	359/362 (99%)	350 (98%)	9 (2%)	0	100	100
7	CG	294/297 (99%)	289 (98%)	5 (2%)	0	100	100
7	m	294/297 (99%)	287 (98%)	7 (2%)	0	100	100
8	CH	152/176 (86%)	150 (99%)	2 (1%)	0	100	100
8	n	152/176 (86%)	152 (100%)	0	0	100	100
9	CI	220/244 (90%)	217 (99%)	3 (1%)	0	100	100
9	o	220/244 (90%)	210 (96%)	10 (4%)	0	100	100
10	CJ	231/256 (90%)	221 (96%)	10 (4%)	0	100	100
10	p	231/256 (90%)	226 (98%)	5 (2%)	0	100	100
11	CK	189/191 (99%)	185 (98%)	4 (2%)	0	100	100
11	q	189/191 (99%)	185 (98%)	4 (2%)	0	100	100
12	CL	207/221 (94%)	205 (99%)	2 (1%)	0	100	100
12	r	207/221 (94%)	205 (99%)	2 (1%)	0	100	100
13	CM	167/174 (96%)	162 (97%)	5 (3%)	0	100	100
13	s	167/174 (96%)	160 (96%)	7 (4%)	0	100	100
14	CN	191/199 (96%)	179 (94%)	11 (6%)	1 (0%)	25	57
14	t	191/199 (96%)	180 (94%)	9 (5%)	2 (1%)	13	43
15	CO	134/138 (97%)	134 (100%)	0	0	100	100
15	u	134/138 (97%)	131 (98%)	2 (2%)	1 (1%)	19	51
16	CP	201/204 (98%)	201 (100%)	0	0	100	100
16	v	201/204 (98%)	196 (98%)	5 (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	181/184 (98%)	181 (100%)	0	0	100	100

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
18	x	181/184 (98%)	180 (99%)	1 (1%)	0	100	100
19	CS	183/186 (98%)	181 (99%)	2 (1%)	0	100	100
19	y	183/186 (98%)	180 (98%)	3 (2%)	0	100	100
20	CT	186/189 (98%)	182 (98%)	4 (2%)	0	100	100
20	z	186/189 (98%)	183 (98%)	3 (2%)	0	100	100
21	0	170/172 (99%)	166 (98%)	4 (2%)	0	100	100
21	CU	170/172 (99%)	168 (99%)	2 (1%)	0	100	100
22	2	157/160 (98%)	155 (99%)	2 (1%)	0	100	100
22	CV	157/160 (98%)	153 (98%)	4 (2%)	0	100	100
23	5	98/121 (81%)	98 (100%)	0	0	100	100
23	CW	98/121 (81%)	96 (98%)	2 (2%)	0	100	100
24	6	134/137 (98%)	131 (98%)	3 (2%)	0	100	100
24	CX	134/137 (98%)	134 (100%)	0	0	100	100
25	7	96/155 (62%)	94 (98%)	2 (2%)	0	100	100
25	CY	122/155 (79%)	118 (97%)	4 (3%)	0	100	100
26	8	119/142 (84%)	119 (100%)	0	0	100	100
26	CZ	119/142 (84%)	118 (99%)	1 (1%)	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%)	127 (96%)	6 (4%)	0	100	100
28	DB	133/136 (98%)	129 (97%)	4 (3%)	0	100	100
29	AB	146/149 (98%)	139 (95%)	7 (5%)	0	100	100
29	DC	146/149 (98%)	142 (97%)	4 (3%)	0	100	100
30	AC	56/59 (95%)	55 (98%)	1 (2%)	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%)	95 (100%)	0	0	100	100
32	AE	107/113 (95%)	101 (94%)	6 (6%)	0	100	100
32	DF	107/113 (95%)	104 (97%)	3 (3%)	0	100	100
33	AF	125/130 (96%)	123 (98%)	2 (2%)	0	100	100
33	DG	125/130 (96%)	124 (99%)	1 (1%)	0	100	100

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
34	AG	104/107 (97%)	102 (98%)	2 (2%)	0	100	100
34	DH	104/107 (97%)	102 (98%)	2 (2%)	0	100	100
35	AH	110/121 (91%)	110 (100%)	0	0	100	100
35	DI	110/121 (91%)	109 (99%)	1 (1%)	0	100	100
36	AI	117/120 (98%)	110 (94%)	7 (6%)	0	100	100
36	DJ	117/120 (98%)	116 (99%)	1 (1%)	0	100	100
37	AJ	97/100 (97%)	95 (98%)	2 (2%)	0	100	100
37	DK	97/100 (97%)	95 (98%)	2 (2%)	0	100	100
38	AK	85/88 (97%)	85 (100%)	0	0	100	100
38	DL	85/88 (97%)	85 (100%)	0	0	100	100
39	AL	75/78 (96%)	75 (100%)	0	0	100	100
39	DM	75/78 (96%)	72 (96%)	3 (4%)	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%)	48 (96%)	2 (4%)	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%)	94 (91%)	8 (8%)	1 (1%)	13	43
43	DQ	103/106 (97%)	98 (95%)	5 (5%)	0	100	100
44	AQ	89/92 (97%)	85 (96%)	4 (4%)	0	100	100
44	DR	89/92 (97%)	85 (96%)	4 (4%)	0	100	100
45	i	155/273 (57%)	147 (95%)	8 (5%)	0	100	100
45	sM	61/273 (22%)	57 (93%)	4 (7%)	0	100	100
46	p0	139/311 (45%)	139 (100%)	0	0	100	100
48	B	204/252 (81%)	185 (91%)	19 (9%)	0	100	100
48	s0	204/252 (81%)	194 (95%)	10 (5%)	0	100	100
49	C	212/255 (83%)	200 (94%)	12 (6%)	0	100	100
49	s1	214/255 (84%)	213 (100%)	1 (0%)	0	100	100
50	D	215/254 (85%)	207 (96%)	7 (3%)	1 (0%)	25	57
50	s2	215/254 (85%)	210 (98%)	5 (2%)	0	100	100

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
51	E	221/240 (92%)	215 (97%)	6 (3%)	0	100	100
51	s3	221/240 (92%)	208 (94%)	13 (6%)	0	100	100
52	F	258/261 (99%)	253 (98%)	5 (2%)	0	100	100
52	s4	258/261 (99%)	253 (98%)	5 (2%)	0	100	100
53	G	204/225 (91%)	198 (97%)	6 (3%)	0	100	100
53	s5	204/225 (91%)	195 (96%)	9 (4%)	0	100	100
54	H	224/236 (95%)	216 (96%)	8 (4%)	0	100	100
54	s6	216/236 (92%)	209 (97%)	7 (3%)	0	100	100
55	I	182/190 (96%)	175 (96%)	7 (4%)	0	100	100
55	s7	184/190 (97%)	173 (94%)	9 (5%)	2 (1%)	12	40
56	J	184/200 (92%)	170 (92%)	14 (8%)	0	100	100
56	s8	184/200 (92%)	184 (100%)	0	0	100	100
57	K	183/197 (93%)	174 (95%)	9 (5%)	0	100	100
57	s9	183/197 (93%)	178 (97%)	5 (3%)	0	100	100
58	L	94/105 (90%)	86 (92%)	8 (8%)	0	100	100
58	c0	92/105 (88%)	80 (87%)	12 (13%)	0	100	100
59	M	153/156 (98%)	150 (98%)	3 (2%)	0	100	100
59	c1	144/156 (92%)	139 (96%)	5 (4%)	0	100	100
60	N	122/143 (85%)	111 (91%)	11 (9%)	0	100	100
60	c2	122/143 (85%)	109 (89%)	12 (10%)	1 (1%)	16	47
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%)	116 (93%)	7 (6%)	2 (2%)	8	33
62	c4	126/138 (91%)	119 (94%)	7 (6%)	0	100	100
63	Q	122/142 (86%)	111 (91%)	11 (9%)	0	100	100
63	c5	133/142 (94%)	123 (92%)	10 (8%)	0	100	100
64	R	139/143 (97%)	133 (96%)	4 (3%)	2 (1%)	9	36
64	c6	140/143 (98%)	136 (97%)	3 (2%)	1 (1%)	19	51
65	S	116/136 (85%)	110 (95%)	6 (5%)	0	100	100
66	T	143/146 (98%)	132 (92%)	10 (7%)	1 (1%)	19	51
66	c8	143/146 (98%)	126 (88%)	17 (12%)	0	100	100

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
67	U	141/144 (98%)	137 (97%)	4 (3%)	0	100	100
67	c9	141/144 (98%)	139 (99%)	2 (1%)	0	100	100
68	V	105/121 (87%)	96 (91%)	9 (9%)	0	100	100
68	d0	108/121 (89%)	102 (94%)	6 (6%)	0	100	100
69	W	85/87 (98%)	80 (94%)	5 (6%)	0	100	100
69	d1	85/87 (98%)	82 (96%)	3 (4%)	0	100	100
70	X	127/130 (98%)	125 (98%)	2 (2%)	0	100	100
70	d2	127/130 (98%)	125 (98%)	2 (2%)	0	100	100
71	Y	142/145 (98%)	128 (90%)	14 (10%)	0	100	100
71	d3	142/145 (98%)	134 (94%)	8 (6%)	0	100	100
72	Z	132/135 (98%)	132 (100%)	0	0	100	100
72	d4	132/135 (98%)	126 (96%)	6 (4%)	0	100	100
73	a	68/108 (63%)	62 (91%)	6 (9%)	0	100	100
73	d5	67/108 (62%)	67 (100%)	0	0	100	100
74	b	95/119 (80%)	86 (90%)	9 (10%)	0	100	100
74	d6	95/119 (80%)	89 (94%)	6 (6%)	0	100	100
75	c	79/82 (96%)	74 (94%)	5 (6%)	0	100	100
75	d7	79/82 (96%)	73 (92%)	6 (8%)	0	100	100
76	d	61/67 (91%)	58 (95%)	3 (5%)	0	100	100
76	d8	61/67 (91%)	56 (92%)	5 (8%)	0	100	100
77	d9	51/56 (91%)	50 (98%)	1 (2%)	0	100	100
77	e	51/56 (91%)	50 (98%)	0	1 (2%)	6	28
78	e0	60/63 (95%)	58 (97%)	1 (2%)	1 (2%)	7	32
78	f	58/63 (92%)	58 (100%)	0	0	100	100
79	e1	49/152 (32%)	42 (86%)	5 (10%)	2 (4%)	2	14
79	g	69/152 (45%)	57 (83%)	12 (17%)	0	100	100
80	Rb	316/319 (99%)	307 (97%)	9 (3%)	0	100	100
80	h	316/319 (99%)	304 (96%)	12 (4%)	0	100	100
81	c7	113/136 (83%)	110 (97%)	3 (3%)	0	100	100
All	All	22284/24619 (90%)	21584 (97%)	681 (3%)	19 (0%)	48	77

5 of 19 Ramachandran outliers are listed below:

Mol	Chain	Res	Type
15	u	8	LYS
50	D	107	SER
62	P	37	GLU
64	R	40	GLU
64	R	59	LYS

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%)	188 (97%)	5 (3%)	41	66
4	j	193/196 (98%)	192 (100%)	1 (0%)	86	92
5	CE	319/323 (99%)	314 (98%)	5 (2%)	58	77
5	k	320/323 (99%)	309 (97%)	11 (3%)	32	60
6	CF	288/289 (100%)	283 (98%)	5 (2%)	56	75
6	l	288/289 (100%)	282 (98%)	6 (2%)	48	71
7	CG	244/245 (100%)	238 (98%)	6 (2%)	42	67
7	m	244/245 (100%)	235 (96%)	9 (4%)	29	57
8	CH	134/153 (88%)	129 (96%)	5 (4%)	29	57
8	n	134/153 (88%)	131 (98%)	3 (2%)	47	70
9	CI	186/205 (91%)	183 (98%)	3 (2%)	58	77
9	o	186/205 (91%)	183 (98%)	3 (2%)	58	77
10	CJ	187/208 (90%)	183 (98%)	4 (2%)	48	71
10	p	187/208 (90%)	182 (97%)	5 (3%)	40	65
11	CK	171/171 (100%)	170 (99%)	1 (1%)	84	91
11	q	171/171 (100%)	169 (99%)	2 (1%)	67	82
12	CL	177/187 (95%)	171 (97%)	6 (3%)	32	60
12	r	177/187 (95%)	171 (97%)	6 (3%)	32	60
13	CM	147/151 (97%)	144 (98%)	3 (2%)	50	72
13	s	147/151 (97%)	144 (98%)	3 (2%)	50	72

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
14	CN	154/159 (97%)	148 (96%)	6 (4%)	27	55
14	t	154/159 (97%)	152 (99%)	2 (1%)	65	81
15	CO	107/109 (98%)	105 (98%)	2 (2%)	52	73
15	u	107/109 (98%)	104 (97%)	3 (3%)	38	64
16	CP	175/176 (99%)	170 (97%)	5 (3%)	37	63
16	v	175/176 (99%)	173 (99%)	2 (1%)	70	84
17	CQ	160/162 (99%)	159 (99%)	1 (1%)	84	91
17	w	160/162 (99%)	159 (99%)	1 (1%)	84	91
18	CR	140/146 (96%)	137 (98%)	3 (2%)	48	71
18	x	140/146 (96%)	138 (99%)	2 (1%)	62	80
19	CS	150/151 (99%)	147 (98%)	3 (2%)	50	72
19	y	150/151 (99%)	145 (97%)	5 (3%)	33	60
20	CT	153/154 (99%)	150 (98%)	3 (2%)	50	72
20	z	153/154 (99%)	148 (97%)	5 (3%)	33	60
21	0	156/156 (100%)	154 (99%)	2 (1%)	65	81
21	CU	156/156 (100%)	154 (99%)	2 (1%)	65	81
22	2	136/137 (99%)	133 (98%)	3 (2%)	47	70
22	CV	136/137 (99%)	134 (98%)	2 (2%)	60	78
23	5	87/107 (81%)	83 (95%)	4 (5%)	23	52
23	CW	87/107 (81%)	84 (97%)	3 (3%)	32	60
24	6	104/105 (99%)	104 (100%)	0	100	100
24	CX	104/105 (99%)	101 (97%)	3 (3%)	37	63
25	7	57/129 (44%)	56 (98%)	1 (2%)	54	74
25	CY	58/129 (45%)	57 (98%)	1 (2%)	56	75
26	8	104/118 (88%)	101 (97%)	3 (3%)	37	63
26	CZ	104/118 (88%)	101 (97%)	3 (3%)	37	63
27	9	109/110 (99%)	108 (99%)	1 (1%)	75	87
27	DA	107/110 (97%)	104 (97%)	3 (3%)	38	64
28	AA	115/116 (99%)	114 (99%)	1 (1%)	75	87
28	DB	114/116 (98%)	113 (99%)	1 (1%)	75	87
29	AB	118/119 (99%)	115 (98%)	3 (2%)	42	67

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
29	DC	118/119 (99%)	113 (96%)	5 (4%)	25	53
30	AC	46/47 (98%)	44 (96%)	2 (4%)	25	53
30	DD	46/47 (98%)	45 (98%)	1 (2%)	47	70
31	AD	81/88 (92%)	78 (96%)	3 (4%)	29	57
31	DE	81/88 (92%)	79 (98%)	2 (2%)	42	67
32	AE	92/97 (95%)	91 (99%)	1 (1%)	70	84
32	DF	92/97 (95%)	91 (99%)	1 (1%)	70	84
33	AF	109/111 (98%)	107 (98%)	2 (2%)	54	74
33	DG	109/111 (98%)	107 (98%)	2 (2%)	54	74
34	AG	90/91 (99%)	90 (100%)	0	100	100
34	DH	90/91 (99%)	89 (99%)	1 (1%)	70	84
35	AH	95/103 (92%)	92 (97%)	3 (3%)	34	61
35	DI	95/103 (92%)	95 (100%)	0	100	100
36	AI	104/105 (99%)	100 (96%)	4 (4%)	28	56
36	DJ	104/105 (99%)	104 (100%)	0	100	100
37	AJ	81/82 (99%)	77 (95%)	4 (5%)	21	50
37	DK	81/82 (99%)	80 (99%)	1 (1%)	67	82
38	AK	70/71 (99%)	67 (96%)	3 (4%)	25	53
38	DL	70/71 (99%)	70 (100%)	0	100	100
39	AL	68/69 (99%)	64 (94%)	4 (6%)	16	43
39	DM	68/69 (99%)	66 (97%)	2 (3%)	37	63
40	AM	45/46 (98%)	44 (98%)	1 (2%)	47	70
40	DN	45/46 (98%)	43 (96%)	2 (4%)	24	52
41	AN	47/116 (40%)	45 (96%)	2 (4%)	25	53
41	DO	47/116 (40%)	46 (98%)	1 (2%)	48	71
42	AO	23/23 (100%)	23 (100%)	0	100	100
42	DP	23/23 (100%)	21 (91%)	2 (9%)	8	29
43	AP	90/91 (99%)	87 (97%)	3 (3%)	33	60
43	DQ	90/91 (99%)	90 (100%)	0	100	100
44	AQ	71/72 (99%)	69 (97%)	2 (3%)	38	64
44	DR	71/72 (99%)	68 (96%)	3 (4%)	25	53

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
45	i	97/228 (42%)	93 (96%)	4 (4%)	26	54
45	sM	54/228 (24%)	49 (91%)	5 (9%)	7	26
46	p0	105/248 (42%)	105 (100%)	0	100	100
48	B	164/210 (78%)	162 (99%)	2 (1%)	67	82
48	s0	165/210 (79%)	159 (96%)	6 (4%)	30	58
49	C	191/224 (85%)	182 (95%)	9 (5%)	22	51
49	s1	192/224 (86%)	185 (96%)	7 (4%)	30	58
50	D	176/205 (86%)	171 (97%)	5 (3%)	38	64
50	s2	176/205 (86%)	175 (99%)	1 (1%)	84	91
51	E	182/195 (93%)	176 (97%)	6 (3%)	33	60
51	s3	182/195 (93%)	172 (94%)	10 (6%)	18	46
52	F	221/222 (100%)	212 (96%)	9 (4%)	26	54
52	s4	221/222 (100%)	218 (99%)	3 (1%)	62	80
53	G	173/191 (91%)	166 (96%)	7 (4%)	27	55
53	s5	173/191 (91%)	163 (94%)	10 (6%)	17	44
54	H	188/201 (94%)	180 (96%)	8 (4%)	25	53
54	s6	187/201 (93%)	183 (98%)	4 (2%)	48	71
55	I	165/170 (97%)	152 (92%)	13 (8%)	10	33
55	s7	165/170 (97%)	158 (96%)	7 (4%)	25	53
56	J	150/161 (93%)	144 (96%)	6 (4%)	27	55
56	s8	150/161 (93%)	148 (99%)	2 (1%)	65	81
57	K	158/166 (95%)	148 (94%)	10 (6%)	15	42
57	s9	158/166 (95%)	154 (98%)	4 (2%)	42	67
58	L	77/98 (79%)	75 (97%)	2 (3%)	41	66
58	c0	73/98 (74%)	70 (96%)	3 (4%)	26	54
59	M	129/137 (94%)	124 (96%)	5 (4%)	27	55
59	c1	129/137 (94%)	126 (98%)	3 (2%)	45	69
60	N	88/119 (74%)	82 (93%)	6 (7%)	13	39
60	c2	88/119 (74%)	81 (92%)	7 (8%)	10	33
61	O	127/128 (99%)	123 (97%)	4 (3%)	35	62
61	c3	127/128 (99%)	125 (98%)	2 (2%)	58	77

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
62	P	79/105 (75%)	74 (94%)	5 (6%)	15	42
62	c4	97/105 (92%)	94 (97%)	3 (3%)	35	62
63	Q	101/118 (86%)	98 (97%)	3 (3%)	36	63
63	c5	103/118 (87%)	100 (97%)	3 (3%)	37	63
64	R	117/119 (98%)	110 (94%)	7 (6%)	16	43
64	c6	118/119 (99%)	113 (96%)	5 (4%)	25	53
65	S	94/124 (76%)	89 (95%)	5 (5%)	19	47
66	T	128/129 (99%)	123 (96%)	5 (4%)	27	55
66	c8	128/129 (99%)	125 (98%)	3 (2%)	45	69
67	U	115/116 (99%)	106 (92%)	9 (8%)	10	34
67	c9	115/116 (99%)	109 (95%)	6 (5%)	19	47
68	V	100/114 (88%)	96 (96%)	4 (4%)	27	55
68	d0	103/114 (90%)	101 (98%)	2 (2%)	52	73
69	W	74/74 (100%)	72 (97%)	2 (3%)	40	65
69	d1	74/74 (100%)	69 (93%)	5 (7%)	13	39
70	X	110/111 (99%)	106 (96%)	4 (4%)	30	58
70	d2	110/111 (99%)	107 (97%)	3 (3%)	40	65
71	Y	119/120 (99%)	114 (96%)	5 (4%)	25	53
71	d3	119/120 (99%)	117 (98%)	2 (2%)	56	75
72	Z	112/113 (99%)	106 (95%)	6 (5%)	18	46
72	d4	112/113 (99%)	110 (98%)	2 (2%)	54	74
73	a	61/89 (68%)	60 (98%)	1 (2%)	58	77
73	d5	61/89 (68%)	58 (95%)	3 (5%)	21	50
74	b	83/100 (83%)	80 (96%)	3 (4%)	30	58
74	d6	83/100 (83%)	79 (95%)	4 (5%)	21	50
75	c	70/71 (99%)	69 (99%)	1 (1%)	62	80
75	d7	70/71 (99%)	66 (94%)	4 (6%)	17	45
76	d	56/60 (93%)	55 (98%)	1 (2%)	54	74
76	d8	56/60 (93%)	53 (95%)	3 (5%)	18	46
77	d9	47/49 (96%)	45 (96%)	2 (4%)	25	53
77	e	47/49 (96%)	46 (98%)	1 (2%)	48	71

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
78	e0	53/54 (98%)	52 (98%)	1 (2%)	52	73
78	f	51/54 (94%)	51 (100%)	0	100	100
79	e1	43/135 (32%)	42 (98%)	1 (2%)	45	69
79	g	62/135 (46%)	59 (95%)	3 (5%)	21	50
80	Rb	260/262 (99%)	250 (96%)	10 (4%)	28	56
80	h	259/262 (99%)	253 (98%)	6 (2%)	45	69
81	c7	92/124 (74%)	90 (98%)	2 (2%)	47	70
All	All	18678/20672 (90%)	18145 (97%)	533 (3%)	37	63

5 of 533 residues with a non-rotameric sidechain are listed below:

Mol	Chain	Res	Type
57	s9	171	ARG
60	c2	140	PHE
57	s9	149	ARG
74	d6	62	TYR
22	CV	115	LYS

Sometimes sidechains can be flipped to improve hydrogen bonding and reduce clashes. 5 of 44 such sidechains are listed below:

Mol	Chain	Res	Type
70	X	24	GLN
55	s7	71	HIS
70	X	56	HIS
80	Rb	31	ASN
58	c0	62	GLN

5.3.3 RNA [i](#)

Mol	Chain	Analysed	Backbone Outliers	Pucker Outliers
1	1	3145/3396 (92%)	622 (19%)	49 (1%)
1	AR	3143/3396 (92%)	636 (20%)	46 (1%)
2	3	120/121 (99%)	15 (12%)	1 (0%)
2	AS	120/121 (99%)	20 (16%)	1 (0%)
3	4	157/158 (99%)	34 (21%)	2 (1%)
3	AT	157/158 (99%)	31 (19%)	1 (0%)
47	A	1778/1800 (98%)	489 (27%)	42 (2%)

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Mol	Chain	Analysed	Backbone Outliers	Pucker Outliers
47	sR	1780/1800 (98%)	452 (25%)	0
All	All	10400/10950 (94%)	2299 (22%)	142 (1%)

5 of 2299 RNA backbone outliers are listed below:

Mol	Chain	Res	Type
1	1	16	A
1	1	26	A
1	1	40	A
1	1	48	A
1	1	49	A

5 of 142 RNA pucker outliers are listed below:

Mol	Chain	Res	Type
47	A	555	A
47	A	720	G
47	A	1250	U
1	1	3353	G
1	1	3351	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 2462 ligands modelled in this entry, 1 is modelled with single atom and 1500 are monoatomic - leaving 961 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
82	OHX	3	206	-	0,6,6	-	-	-		
82	OHX	A	1969	-	0,6,6	-	-	-		
82	OHX	AR	3408	-	0,6,6	-	-	-		
82	OHX	A	2130	-	0,6,6	-	-	-		
82	OHX	sR	1972	-	0,6,6	-	-	-		
82	OHX	1	3599	-	0,6,6	-	-	-		
82	OHX	1	3553	-	0,6,6	-	-	-		
82	OHX	A	2104	-	0,6,6	-	-	-		
82	OHX	A	2142	-	0,6,6	-	-	-		
82	OHX	AR	4154	-	0,6,6	-	-	-		
82	OHX	sR	1925	-	0,6,6	-	-	-		
82	OHX	AR	3633	-	0,6,6	-	-	-		
82	OHX	AR	3492	-	0,6,6	-	-	-		
82	OHX	sR	1913	-	0,6,6	-	-	-		
82	OHX	AR	3645	-	0,6,6	-	-	-		
82	OHX	AR	4159	-	0,6,6	-	-	-		
82	OHX	1	3412	-	0,6,6	-	-	-		
82	OHX	AR	3518	-	0,6,6	-	-	-		
82	OHX	AR	3572	-	0,6,6	-	-	-		
82	OHX	DQ	502	-	0,6,6	-	-	-		
82	OHX	sR	1909	-	0,6,6	-	-	-		
82	OHX	1	4132	-	0,6,6	-	-	-		
82	OHX	AR	3618	-	0,6,6	-	-	-		
82	OHX	sR	1983	-	0,6,6	-	-	-		
82	OHX	1	3487	-	0,6,6	-	-	-		
82	OHX	1	3506	-	0,6,6	-	-	-		
82	OHX	3	202	-	0,6,6	-	-	-		
82	OHX	r	303	-	0,6,6	-	-	-		
82	OHX	AR	3598	-	0,6,6	-	-	-		
82	OHX	sR	1912	-	0,6,6	-	-	-		
82	OHX	AR	3416	-	0,6,6	-	-	-		
82	OHX	AR	3407	-	0,6,6	-	-	-		
82	OHX	1	3576	-	0,6,6	-	-	-		
82	OHX	AR	3438	-	0,6,6	-	-	-		
82	OHX	AR	3651	-	0,6,6	-	-	-		
82	OHX	AR	3638	-	0,6,6	-	-	-		
82	OHX	A	1944	-	0,6,6	-	-	-		
82	OHX	AR	3513	-	0,6,6	-	-	-		
82	OHX	sR	1968	-	0,6,6	-	-	-		
82	OHX	1	3493	-	0,6,6	-	-	-		
82	OHX	sR	2022	-	0,6,6	-	-	-		
82	OHX	AR	3474	-	0,6,6	-	-	-		
82	OHX	AT	201	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
82	OHX	AT	211	-	0,6,6	-	-	-	-	-
82	OHX	1	3458	-	0,6,6	-	-	-	-	-
82	OHX	A	1954	-	0,5,6	-	-	-	-	-
82	OHX	sR	2019	-	0,6,6	-	-	-	-	-
82	OHX	sR	1922	-	0,6,6	-	-	-	-	-
82	OHX	4	202	-	0,6,6	-	-	-	-	-
82	OHX	A	1928	-	0,6,6	-	-	-	-	-
82	OHX	sR	2001	-	0,6,6	-	-	-	-	-
82	OHX	AR	3586	-	0,6,6	-	-	-	-	-
82	OHX	sR	1980	-	0,6,6	-	-	-	-	-
82	OHX	AR	3445	-	0,6,6	-	-	-	-	-
82	OHX	1	3591	-	0,6,6	-	-	-	-	-
82	OHX	AR	3498	-	0,6,6	-	-	-	-	-
82	OHX	A	1945	-	0,6,6	-	-	-	-	-
82	OHX	1	3472	-	0,6,6	-	-	-	-	-
82	OHX	AR	3620	-	0,6,6	-	-	-	-	-
82	OHX	sR	2017	-	0,6,6	-	-	-	-	-
82	OHX	1	4072	-	0,6,6	-	-	-	-	-
82	OHX	AR	3501	-	0,6,6	-	-	-	-	-
82	OHX	AR	3462	-	0,6,6	-	-	-	-	-
82	OHX	A	1946	-	0,6,6	-	-	-	-	-
82	OHX	sR	1941	-	0,6,6	-	-	-	-	-
82	OHX	A	2120	-	0,6,6	-	-	-	-	-
82	OHX	sR	1953	-	0,6,6	-	-	-	-	-
82	OHX	1	3501	-	0,6,6	-	-	-	-	-
82	OHX	1	4075	-	0,6,6	-	-	-	-	-
82	OHX	A	1925	-	0,6,6	-	-	-	-	-
82	OHX	AR	3443	-	0,6,6	-	-	-	-	-
82	OHX	A	2127	-	0,6,6	-	-	-	-	-
82	OHX	A	1968	-	0,6,6	-	-	-	-	-
82	OHX	AS	202	-	0,6,6	-	-	-	-	-
82	OHX	sR	1964	-	0,6,6	-	-	-	-	-
82	OHX	sR	1979	-	0,6,6	-	-	-	-	-
82	OHX	1	3516	-	0,6,6	-	-	-	-	-
82	OHX	AT	234	-	0,6,6	-	-	-	-	-
82	OHX	O	201	-	0,6,6	-	-	-	-	-
82	OHX	AT	213	-	0,6,6	-	-	-	-	-
82	OHX	AK	103	-	0,6,6	-	-	-	-	-
82	OHX	sR	1986	-	0,6,6	-	-	-	-	-
82	OHX	AS	209	-	0,6,6	-	-	-	-	-
82	OHX	sR	1926	-	0,6,6	-	-	-	-	-
82	OHX	1	3419	-	0,6,6	-	-	-	-	-
82	OHX	1	3499	-	0,6,6	-	-	-	-	-

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
82	OHX	AR	3455	-	0,6,6	-	-	-		
82	OHX	AR	3601	-	0,6,6	-	-	-		
82	OHX	1	3402	-	0,6,6	-	-	-		
82	OHX	A	1912	-	0,6,6	-	-	-		
82	OHX	1	4147	-	0,6,6	-	-	-		
82	OHX	AR	3574	-	0,6,6	-	-	-		
82	OHX	1	3598	-	0,6,6	-	-	-		
82	OHX	AR	3670	-	0,6,6	-	-	-		
82	OHX	AS	207	-	0,6,6	-	-	-		
82	OHX	sR	1948	-	0,6,6	-	-	-		
82	OHX	1	3543	-	0,6,6	-	-	-		
82	OHX	1	4086	-	0,6,6	-	-	-		
82	OHX	AR	3525	-	0,6,6	-	-	-		
82	OHX	1	3551	-	0,6,6	-	-	-		
82	OHX	sR	1990	-	0,6,6	-	-	-		
82	OHX	AR	3628	-	0,6,6	-	-	-		
82	OHX	1	4153	-	0,6,6	-	-	-		
82	OHX	AR	3466	-	0,6,6	-	-	-		
82	OHX	AR	3540	-	0,6,6	-	-	-		
82	OHX	AR	3425	-	0,6,6	-	-	-		
82	OHX	A	1964	-	0,6,6	-	-	-		
82	OHX	A	2141	-	0,6,6	-	-	-		
82	OHX	1	4150	-	0,6,6	-	-	-		
82	OHX	1	3463	-	0,6,6	-	-	-		
82	OHX	1	3495	-	0,6,6	-	-	-		
82	OHX	4	210	-	0,6,6	-	-	-		
82	OHX	AR	3617	-	0,6,6	-	-	-		
82	OHX	AR	3577	-	0,6,6	-	-	-		
82	OHX	A	2146	-	0,6,6	-	-	-		
86	X1K	1	4181	-	27,27,27	0.49	1 (3%)	35,43,43	2.30	8 (22%)
82	OHX	1	3594	-	0,6,6	-	-	-		
82	OHX	AR	3557	-	0,6,6	-	-	-		
82	OHX	1	4076	-	0,6,6	-	-	-		
82	OHX	AR	3548	-	0,6,6	-	-	-		
82	OHX	AR	3624	-	0,6,6	-	-	-		
82	OHX	A	1929	-	0,6,6	-	-	-		
82	OHX	AR	4142	-	0,6,6	-	-	-		
82	OHX	1	3504	-	0,6,6	-	-	-		
82	OHX	1	4094	-	0,6,6	-	-	-		
82	OHX	AR	3588	-	0,6,6	-	-	-		
82	OHX	AR	3668	-	0,6,6	-	-	-		
82	OHX	1	3558	-	0,6,6	-	-	-		
82	OHX	sR	1970	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
82	OHX	1	3530	-	0,6,6	-	-	-		
82	OHX	1	3485	-	0,6,6	-	-	-		
82	OHX	3	205	-	0,6,6	-	-	-		
82	OHX	1	3483	-	0,6,6	-	-	-		
82	OHX	1	3600	-	0,6,6	-	-	-		
82	OHX	AR	3606	-	0,6,6	-	-	-		
82	OHX	A	1933	-	0,6,6	-	-	-		
82	OHX	1	3415	-	0,6,6	-	-	-		
82	OHX	1	4105	-	0,6,6	-	-	-		
86	X1K	AR	4205	-	27,27,27	0.68	2 (7%)	35,43,43	1.92	9 (25%)
85	SPD	1	4180	-	9,9,9	0.33	0	8,8,8	0.92	0
82	OHX	AR	3547	-	0,6,6	-	-	-		
82	OHX	AR	3484	-	0,6,6	-	-	-		
82	OHX	1	3414	-	0,6,6	-	-	-		
82	OHX	1	3455	-	0,6,6	-	-	-		
82	OHX	A	1971	-	0,6,6	-	-	-		
82	OHX	1	4152	-	0,6,6	-	-	-		
82	OHX	AR	3419	-	0,6,6	-	-	-		
82	OHX	1	3524	-	0,6,6	-	-	-		
82	OHX	1	3605	-	0,6,6	-	-	-		
82	OHX	1	3479	-	0,6,6	-	-	-		
82	OHX	1	4096	-	0,6,6	-	-	-		
82	OHX	1	3523	-	0,6,6	-	-	-		
82	OHX	A	1914	-	0,6,6	-	-	-		
82	OHX	AR	3410	-	0,6,6	-	-	-		
82	OHX	AR	3531	-	0,6,6	-	-	-		
82	OHX	A	1922	-	0,6,6	-	-	-		
82	OHX	A	2126[B]	-	0,6,6	-	-	-		
82	OHX	AR	3502	-	0,6,6	-	-	-		
82	OHX	AR	3561	-	0,6,6	-	-	-		
82	OHX	A	2134	-	0,6,6	-	-	-		
82	OHX	sR	1911	-	0,6,6	-	-	-		
82	OHX	AR	3512	-	0,6,6	-	-	-		
82	OHX	A	1934	-	0,6,6	-	-	-		
82	OHX	A	1949	-	0,6,6	-	-	-		
82	OHX	1	3457	-	0,6,6	-	-	-		
82	OHX	A	1955	-	0,6,6	-	-	-		
82	OHX	AR	3573	-	0,6,6	-	-	-		
82	OHX	A	1903	-	0,6,6	-	-	-		
82	OHX	AR	3545	-	0,6,6	-	-	-		
82	OHX	1	3577	-	0,6,6	-	-	-		
82	OHX	AR	4143	-	0,6,6	-	-	-		
82	OHX	AR	3491	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
82	OHX	1	3442	-	0,6,6	-	-	-	-	-
82	OHX	1	3560	-	0,6,6	-	-	-	-	-
82	OHX	AR	3439	-	0,6,6	-	-	-	-	-
82	OHX	A	1973	-	0,6,6	-	-	-	-	-
82	OHX	1	4114[B]	-	0,6,6	-	-	-	-	-
82	OHX	1	4117	-	0,6,6	-	-	-	-	-
82	OHX	1	3486	-	0,6,6	-	-	-	-	-
82	OHX	1	4077	-	0,6,6	-	-	-	-	-
82	OHX	AR	4157	-	0,6,6	-	-	-	-	-
82	OHX	A	1977	-	0,6,6	-	-	-	-	-
82	OHX	AR	3487	-	0,6,6	-	-	-	-	-
82	OHX	1	3465	-	0,6,6	-	-	-	-	-
82	OHX	AR	4153	-	0,6,6	-	-	-	-	-
82	OHX	1	3427	-	0,6,6	-	-	-	-	-
82	OHX	sR	1906	-	0,6,6	-	-	-	-	-
82	OHX	1	3451	-	0,6,6	-	-	-	-	-
82	OHX	1	3454	-	0,6,6	-	-	-	-	-
82	OHX	AR	3470	-	0,6,6	-	-	-	-	-
82	OHX	AR	3527	-	0,6,6	-	-	-	-	-
82	OHX	1	3441	-	0,6,6	-	-	-	-	-
82	OHX	AR	3530	-	0,6,6	-	-	-	-	-
82	OHX	AR	3648	-	0,6,6	-	-	-	-	-
82	OHX	A	1967	-	0,6,6	-	-	-	-	-
82	OHX	AR	3662	-	0,6,6	-	-	-	-	-
82	OHX	A	2115	-	0,6,6	-	-	-	-	-
82	OHX	A	1917	-	0,6,6	-	-	-	-	-
82	OHX	s1	301	-	0,6,6	-	-	-	-	-
82	OHX	AR	3627	-	0,6,6	-	-	-	-	-
82	OHX	1	3535[B]	-	0,6,6	-	-	-	-	-
82	OHX	1	3515	-	0,6,6	-	-	-	-	-
82	OHX	A	1907	-	0,6,6	-	-	-	-	-
82	OHX	1	3409	-	0,6,6	-	-	-	-	-
82	OHX	1	4089	-	0,6,6	-	-	-	-	-
82	OHX	sR	2167	-	0,6,6	-	-	-	-	-
82	OHX	AR	4147	-	0,6,6	-	-	-	-	-
82	OHX	AR	3597	-	0,6,6	-	-	-	-	-
82	OHX	1	3556	-	0,6,6	-	-	-	-	-
82	OHX	A	1927	-	0,6,6	-	-	-	-	-
82	OHX	A	1906	-	0,6,6	-	-	-	-	-
82	OHX	A	1918	-	0,6,6	-	-	-	-	-
82	OHX	AR	3511	-	0,6,6	-	-	-	-	-
82	OHX	1	3511	-	0,6,6	-	-	-	-	-
82	OHX	AR	3667	-	0,6,6	-	-	-	-	-

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
82	OHX	1	3480	-	0,6,6	-	-	-	-	-
82	OHX	AR	3519	-	0,6,6	-	-	-	-	-
82	OHX	AS	205	-	0,6,6	-	-	-	-	-
82	OHX	A	1953	-	0,6,6	-	-	-	-	-
82	OHX	sR	1949	-	0,6,6	-	-	-	-	-
82	OHX	sR	1961	-	0,6,6	-	-	-	-	-
82	OHX	A	2116	-	0,6,6	-	-	-	-	-
82	OHX	AR	3640	-	0,6,6	-	-	-	-	-
82	OHX	1	3490	-	0,6,6	-	-	-	-	-
82	OHX	1	4138	-	0,6,6	-	-	-	-	-
82	OHX	AR	3471	-	0,6,6	-	-	-	-	-
82	OHX	1	3497	-	0,6,6	-	-	-	-	-
82	OHX	A	1941	-	0,6,6	-	-	-	-	-
82	OHX	AR	3488	-	0,6,6	-	-	-	-	-
82	OHX	sR	1998	-	0,6,6	-	-	-	-	-
82	OHX	1	3447	-	0,6,6	-	-	-	-	-
82	OHX	AR	3560	-	0,6,6	-	-	-	-	-
82	OHX	sR	2004	-	0,6,6	-	-	-	-	-
82	OHX	AR	3535	-	0,6,6	-	-	-	-	-
82	OHX	1	4122	-	0,6,6	-	-	-	-	-
82	OHX	CS	201	-	0,6,6	-	-	-	-	-
82	OHX	1	4125	-	0,6,6	-	-	-	-	-
82	OHX	1	3505	-	0,6,6	-	-	-	-	-
82	OHX	A	1965	-	0,6,6	-	-	-	-	-
82	OHX	sR	2000	-	0,6,6	-	-	-	-	-
82	OHX	1	3581	-	0,6,6	-	-	-	-	-
82	OHX	sR	1934	-	0,6,6	-	-	-	-	-
82	OHX	sR	2014	-	0,6,6	-	-	-	-	-
82	OHX	AT	207	-	0,6,6	-	-	-	-	-
82	OHX	AR	3610	-	0,6,6	-	-	-	-	-
82	OHX	AR	3441	-	0,6,6	-	-	-	-	-
82	OHX	1	3568	-	0,6,6	-	-	-	-	-
82	OHX	1	3464	-	0,6,6	-	-	-	-	-
82	OHX	AR	3658	-	0,6,6	-	-	-	-	-
82	OHX	1	3601	-	0,6,6	-	-	-	-	-
82	OHX	1	4145	-	0,6,6	-	-	-	-	-
82	OHX	CE	401	-	0,6,6	-	-	-	-	-
82	OHX	A	1902	-	0,6,6	-	-	-	-	-
82	OHX	1	4051	-	0,6,6	-	-	-	-	-
82	OHX	1	3410	-	0,6,6	-	-	-	-	-
82	OHX	AR	3422	-	0,6,6	-	-	-	-	-
82	OHX	sR	1996	-	0,6,6	-	-	-	-	-
82	OHX	AR	3622	-	0,6,6	-	-	-	-	-

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
82	OHX	3	219	-	0,6,6	-	-	-	-	-
82	OHX	J	301	-	0,6,6	-	-	-	-	-
82	OHX	AR	3509	-	0,6,6	-	-	-	-	-
82	OHX	AR	3516	-	0,6,6	-	-	-	-	-
82	OHX	4	205	-	0,6,6	-	-	-	-	-
82	OHX	1	3430	-	0,6,6	-	-	-	-	-
82	OHX	AR	3478	-	0,6,6	-	-	-	-	-
82	OHX	A	1916	-	0,6,6	-	-	-	-	-
82	OHX	AR	3528	-	0,6,6	-	-	-	-	-
82	OHX	1	3585	-	0,6,6	-	-	-	-	-
82	OHX	CL	303	-	0,6,6	-	-	-	-	-
82	OHX	sR	1991	-	0,6,6	-	-	-	-	-
82	OHX	AR	3625	-	0,6,6	-	-	-	-	-
82	OHX	1	4104	-	0,6,6	-	-	-	-	-
82	OHX	DH	202	-	0,6,6	-	-	-	-	-
82	OHX	A	2103	-	0,6,6	-	-	-	-	-
82	OHX	4	207	-	0,6,6	-	-	-	-	-
82	OHX	A	1976	-	0,6,6	-	-	-	-	-
82	OHX	1	3438	-	0,6,6	-	-	-	-	-
82	OHX	A	1920	-	0,6,6	-	-	-	-	-
82	OHX	AR	3482	-	0,6,6	-	-	-	-	-
82	OHX	1	3513	-	0,6,6	-	-	-	-	-
82	OHX	sR	1959	-	0,6,6	-	-	-	-	-
82	OHX	1	4087	-	0,6,6	-	-	-	-	-
82	OHX	AR	4156	-	0,6,6	-	-	-	-	-
82	OHX	AR	3453	-	0,6,6	-	-	-	-	-
82	OHX	A	1910	-	0,6,6	-	-	-	-	-
82	OHX	AR	3580	-	0,6,6	-	-	-	-	-
82	OHX	AR	3442	-	0,6,6	-	-	-	-	-
82	OHX	sR	2179	-	0,6,6	-	-	-	-	-
82	OHX	1	3586	-	0,6,6	-	-	-	-	-
82	OHX	AC	102	-	0,6,6	-	-	-	-	-
82	OHX	AR	3522	-	0,6,6	-	-	-	-	-
82	OHX	A	2144	-	0,6,6	-	-	-	-	-
82	OHX	sR	1907	-	0,6,6	-	-	-	-	-
82	OHX	1	3481	-	0,6,6	-	-	-	-	-
82	OHX	1	4144	1	0,5,6	-	-	-	-	-
82	OHX	AR	3578	-	0,6,6	-	-	-	-	-
82	OHX	A	2107	-	0,6,6	-	-	-	-	-
82	OHX	1	4099	-	0,5,6	-	-	-	-	-
82	OHX	sR	2024	-	0,6,6	-	-	-	-	-
82	OHX	1	3470	-	0,6,6	-	-	-	-	-
82	OHX	1	3462	-	0,6,6	-	-	-	-	-

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
82	OHX	AR	3660	-	0,6,6	-	-	-	-	-
82	OHX	1	4119	-	0,6,6	-	-	-	-	-
82	OHX	1	3475	-	0,6,6	-	-	-	-	-
82	OHX	1	3582	-	0,6,6	-	-	-	-	-
82	OHX	4	213	-	0,6,6	-	-	-	-	-
82	OHX	AR	3611	-	0,6,6	-	-	-	-	-
82	OHX	AR	3526	-	0,6,6	-	-	-	-	-
82	OHX	1	4123	-	0,6,6	-	-	-	-	-
82	OHX	A	2118	-	0,6,6	-	-	-	-	-
82	OHX	sR	1958	-	0,6,6	-	-	-	-	-
82	OHX	1	4120	-	0,6,6	-	-	-	-	-
82	OHX	1	3498	-	0,6,6	-	-	-	-	-
82	OHX	1	3434	-	0,6,6	-	-	-	-	-
82	OHX	AR	3555	-	0,6,6	-	-	-	-	-
82	OHX	Q	201	-	0,6,6	-	-	-	-	-
82	OHX	1	4095	-	0,6,6	-	-	-	-	-
82	OHX	AR	4148	-	0,6,6	-	-	-	-	-
82	OHX	A	2105	-	0,6,6	-	-	-	-	-
82	OHX	sR	1940	-	0,6,6	-	-	-	-	-
82	OHX	AR	3562	-	0,6,6	-	-	-	-	-
82	OHX	1	4093	-	0,6,6	-	-	-	-	-
82	OHX	AR	3623	-	0,6,6	-	-	-	-	-
82	OHX	1	3574	-	0,6,6	-	-	-	-	-
82	OHX	sR	2174	-	0,6,6	-	-	-	-	-
82	OHX	A	2132	-	0,6,6	-	-	-	-	-
82	OHX	AR	3456	-	0,6,6	-	-	-	-	-
82	OHX	AR	3591	-	0,6,6	-	-	-	-	-
82	OHX	A	2131	-	0,6,6	-	-	-	-	-
82	OHX	A	2102	-	0,6,6	-	-	-	-	-
82	OHX	sR	1918	-	0,6,6	-	-	-	-	-
82	OHX	1	3537	-	0,6,6	-	-	-	-	-
82	OHX	A	2137	-	0,6,6	-	-	-	-	-
82	OHX	1	3482	-	0,6,6	-	-	-	-	-
82	OHX	1	3554	-	0,6,6	-	-	-	-	-
82	OHX	sR	1997	-	0,6,6	-	-	-	-	-
82	OHX	AR	3405	-	0,6,6	-	-	-	-	-
82	OHX	1	3525	-	0,6,6	-	-	-	-	-
82	OHX	CG	302	-	0,6,6	-	-	-	-	-
82	OHX	A	1956	-	0,6,6	-	-	-	-	-
82	OHX	1	3512	-	0,6,6	-	-	-	-	-
82	OHX	1	4056	-	0,6,6	-	-	-	-	-
82	OHX	A	1911	-	0,6,6	-	-	-	-	-
82	OHX	sR	1916[A]	-	0,6,6	-	-	-	-	-

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
82	OHX	AR	3556	-	0,6,6	-	-	-	-	-
82	OHX	1	3597	-	0,6,6	-	-	-	-	-
82	OHX	sR	1957	-	0,6,6	-	-	-	-	-
82	OHX	sR	2177	-	0,6,6	-	-	-	-	-
82	OHX	1	4128	-	0,6,6	-	-	-	-	-
82	OHX	sR	1989	-	0,6,6	-	-	-	-	-
82	OHX	1	4111	-	0,6,6	-	-	-	-	-
82	OHX	AR	3564	-	0,6,6	-	-	-	-	-
82	OHX	v	301	-	0,6,6	-	-	-	-	-
82	OHX	AT	206	-	0,6,6	-	-	-	-	-
82	OHX	AR	3650	-	0,6,6	-	-	-	-	-
82	OHX	AR	3587	-	0,6,6	-	-	-	-	-
82	OHX	1	3420	-	0,6,6	-	-	-	-	-
82	OHX	1	3557	-	0,6,6	-	-	-	-	-
82	OHX	AR	3529	-	0,6,6	-	-	-	-	-
82	OHX	1	3507	-	0,6,6	-	-	-	-	-
82	OHX	sR	1956	-	0,6,6	-	-	-	-	-
82	OHX	sR	2013	-	0,6,6	-	-	-	-	-
82	OHX	1	3428	-	0,6,6	-	-	-	-	-
82	OHX	1	4109	-	0,6,6	-	-	-	-	-
82	OHX	AR	3655	-	0,6,6	-	-	-	-	-
82	OHX	1	4106	-	0,6,6	-	-	-	-	-
82	OHX	sR	1917	-	0,6,6	-	-	-	-	-
82	OHX	A	2109	-	0,6,6	-	-	-	-	-
82	OHX	Rb	401	-	0,6,6	-	-	-	-	-
82	OHX	1	4050	-	0,6,6	-	-	-	-	-
82	OHX	1	3508	-	0,6,6	-	-	-	-	-
82	OHX	AR	3565	-	0,6,6	-	-	-	-	-
82	OHX	AR	3581	-	0,6,6	-	-	-	-	-
82	OHX	1	3571	-	0,6,6	-	-	-	-	-
82	OHX	1	3547	-	0,6,6	-	-	-	-	-
82	OHX	1	3484	-	0,6,6	-	-	-	-	-
82	OHX	AR	4120	-	0,6,6	-	-	-	-	-
82	OHX	sR	2026	-	0,6,6	-	-	-	-	-
82	OHX	sR	1932	-	0,6,6	-	-	-	-	-
82	OHX	sR	1939	-	0,6,6	-	-	-	-	-
82	OHX	sR	1978	-	0,6,6	-	-	-	-	-
82	OHX	sR	1973	-	0,6,6	-	-	-	-	-
82	OHX	AR	3403	-	0,6,6	-	-	-	-	-
82	OHX	1	4121	-	0,6,6	-	-	-	-	-
82	OHX	AR	3644	-	0,6,6	-	-	-	-	-
82	OHX	AR	4145	-	0,6,6	-	-	-	-	-
82	OHX	1	3589	-	0,6,6	-	-	-	-	-

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
82	OHX	1	3532	-	0,6,6	-	-	-	-	-
82	OHX	AT	210	-	0,6,6	-	-	-	-	-
82	OHX	AR	4162	-	0,6,6	-	-	-	-	-
82	OHX	A	1975	-	0,6,6	-	-	-	-	-
82	OHX	1	3531	-	0,6,6	-	-	-	-	-
82	OHX	sR	1988	-	0,6,6	-	-	-	-	-
82	OHX	sR	1904	-	0,6,6	-	-	-	-	-
82	OHX	1	3453	-	0,6,6	-	-	-	-	-
82	OHX	1	3502	-	0,6,6	-	-	-	-	-
82	OHX	AR	3609	-	0,6,6	-	-	-	-	-
82	OHX	A	1938	-	0,6,6	-	-	-	-	-
82	OHX	A	1937	-	0,6,6	-	-	-	-	-
82	OHX	1	3573	-	0,6,6	-	-	-	-	-
82	OHX	A	1959	-	0,6,6	-	-	-	-	-
82	OHX	sR	2018	-	0,6,6	-	-	-	-	-
82	OHX	AR	3536	-	0,6,6	-	-	-	-	-
82	OHX	1	4084	-	0,6,6	-	-	-	-	-
82	OHX	1	4143	-	0,6,6	-	-	-	-	-
82	OHX	sR	1910	-	0,6,6	-	-	-	-	-
82	OHX	1	4090	-	0,6,6	-	-	-	-	-
82	OHX	1	3473	-	0,6,6	-	-	-	-	-
82	OHX	AR	3614	-	0,6,6	-	-	-	-	-
82	OHX	1	3449	-	0,6,6	-	-	-	-	-
82	OHX	1	4110	-	0,6,6	-	-	-	-	-
82	OHX	sR	2181	-	0,6,6	-	-	-	-	-
82	OHX	1	3521	-	0,6,6	-	-	-	-	-
82	OHX	1	4139	-	0,6,6	-	-	-	-	-
82	OHX	c5	201	-	0,6,6	-	-	-	-	-
82	OHX	1	3404	-	0,6,6	-	-	-	-	-
82	OHX	A	2125	-	0,6,6	-	-	-	-	-
82	OHX	AR	3426	-	0,6,6	-	-	-	-	-
82	OHX	AR	3507	-	0,6,6	-	-	-	-	-
82	OHX	1	3545	-	0,6,6	-	-	-	-	-
82	OHX	4	201	-	0,6,6	-	-	-	-	-
82	OHX	AR	3590	-	0,6,6	-	-	-	-	-
82	OHX	AR	3533	-	0,6,6	-	-	-	-	-
82	OHX	AR	3493	-	0,6,6	-	-	-	-	-
82	OHX	AR	3448	-	0,6,6	-	-	-	-	-
82	OHX	sR	1999	-	0,6,6	-	-	-	-	-
82	OHX	1	3469	-	0,6,6	-	-	-	-	-
82	OHX	CG	304	-	0,6,6	-	-	-	-	-
82	OHX	1	3527	-	0,6,6	-	-	-	-	-
82	OHX	AR	3480	-	0,6,6	-	-	-	-	-

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
82	OHX	sR	1982	-	0,6,6	-	-	-	-	-
82	OHX	AR	3579	-	0,6,6	-	-	-	-	-
82	OHX	AS	204	-	0,6,6	-	-	-	-	-
82	OHX	sR	1905	-	0,6,6	-	-	-	-	-
82	OHX	1	4085	-	0,6,6	-	-	-	-	-
82	OHX	AR	3570	-	0,6,6	-	-	-	-	-
82	OHX	sR	2009	-	0,6,6	-	-	-	-	-
82	OHX	AR	3664	-	0,6,6	-	-	-	-	-
82	OHX	A	1957	-	0,6,6	-	-	-	-	-
82	OHX	1	3408	-	0,6,6	-	-	-	-	-
82	OHX	AR	3499	-	0,6,6	-	-	-	-	-
82	OHX	1	3565	-	0,6,6	-	-	-	-	-
82	OHX	AR	3505	-	0,6,6	-	-	-	-	-
82	OHX	AR	3532	-	0,6,6	-	-	-	-	-
82	OHX	AR	3637	-	0,6,6	-	-	-	-	-
82	OHX	1	3520	-	0,6,6	-	-	-	-	-
82	OHX	AR	3634	-	0,6,6	-	-	-	-	-
82	OHX	1	3583	-	0,6,6	-	-	-	-	-
82	OHX	AR	3541	-	0,6,6	-	-	-	-	-
82	OHX	AR	3566	-	0,6,6	-	-	-	-	-
82	OHX	1	3592	-	0,6,6	-	-	-	-	-
82	OHX	1	3514	-	0,6,6	-	-	-	-	-
82	OHX	1	4097	-	0,6,6	-	-	-	-	-
82	OHX	AR	3446	-	0,6,6	-	-	-	-	-
82	OHX	AR	3465	-	0,6,6	-	-	-	-	-
82	OHX	1	3440	-	0,6,6	-	-	-	-	-
82	OHX	AR	3537	-	0,6,6	-	-	-	-	-
82	OHX	1	4101	-	0,6,6	-	-	-	-	-
82	OHX	AR	3661	-	0,6,6	-	-	-	-	-
82	OHX	1	3572	-	0,6,6	-	-	-	-	-
82	OHX	A	2108	-	0,6,6	-	-	-	-	-
82	OHX	sR	1936	-	0,6,6	-	-	-	-	-
82	OHX	1	3595	-	0,6,6	-	-	-	-	-
82	OHX	AT	233	-	0,6,6	-	-	-	-	-
82	OHX	DL	103	-	0,6,6	-	-	-	-	-
82	OHX	AR	3552	-	0,6,6	-	-	-	-	-
82	OHX	1	3596	-	0,6,6	-	-	-	-	-
82	OHX	A	2136	-	0,6,6	-	-	-	-	-
82	OHX	1	3503	-	0,6,6	-	-	-	-	-
82	OHX	AR	3654	-	0,5,6	-	-	-	-	-
82	OHX	AR	4139	-	0,6,6	-	-	-	-	-
82	OHX	1	3429	-	0,6,6	-	-	-	-	-
82	OHX	sR	1985	-	0,6,6	-	-	-	-	-

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
82	OHX	1	4135	-	0,6,6	-	-	-	-	-
82	OHX	AR	4116	-	0,6,6	-	-	-	-	-
82	OHX	AR	3515	-	0,6,6	-	-	-	-	-
82	OHX	sR	2016	-	0,6,6	-	-	-	-	-
82	OHX	c8	201	-	0,6,6	-	-	-	-	-
82	OHX	sR	1921	-	0,6,6	-	-	-	-	-
82	OHX	AR	3454	-	0,6,6	-	-	-	-	-
82	OHX	1	3433	-	0,6,6	-	-	-	-	-
82	OHX	sR	1947	-	0,6,6	-	-	-	-	-
82	OHX	1	3544	-	0,6,6	-	-	-	-	-
82	OHX	1	3535[A]	-	0,6,6	-	-	-	-	-
82	OHX	1	3550	-	0,6,6	-	-	-	-	-
82	OHX	1	4060	-	0,6,6	-	-	-	-	-
82	OHX	AR	3636	-	0,6,6	-	-	-	-	-
82	OHX	1	3488	-	0,6,6	-	-	-	-	-
82	OHX	3	201	-	0,6,6	-	-	-	-	-
82	OHX	1	3474	-	0,6,6	-	-	-	-	-
82	OHX	AR	3415	-	0,6,6	-	-	-	-	-
82	OHX	sR	2023	-	0,6,6	-	-	-	-	-
82	OHX	AR	3659	-	0,6,6	-	-	-	-	-
82	OHX	AR	4151	-	0,6,6	-	-	-	-	-
82	OHX	AR	3414	-	0,6,6	-	-	-	-	-
82	OHX	A	1923	-	0,6,6	-	-	-	-	-
82	OHX	AT	215	-	0,6,6	-	-	-	-	-
82	OHX	sR	1965	-	0,6,6	-	-	-	-	-
82	OHX	A	2145	-	0,6,6	-	-	-	-	-
82	OHX	AR	3605	-	0,6,6	-	-	-	-	-
82	OHX	A	2114	-	0,6,6	-	-	-	-	-
82	OHX	AR	3523	-	0,6,6	-	-	-	-	-
82	OHX	AR	3451	-	0,6,6	-	-	-	-	-
82	OHX	AR	3475	-	0,6,6	-	-	-	-	-
82	OHX	AS	206	-	0,6,6	-	-	-	-	-
82	OHX	1	3534	-	0,6,6	-	-	-	-	-
82	OHX	1	3510	-	0,6,6	-	-	-	-	-
82	OHX	AR	4160	-	0,6,6	-	-	-	-	-
82	OHX	sR	1924	-	0,6,6	-	-	-	-	-
82	OHX	3	222	-	0,6,6	-	-	-	-	-
82	OHX	sR	1930	-	0,6,6	-	-	-	-	-
82	OHX	1	3500	-	0,6,6	-	-	-	-	-
82	OHX	DD	102	-	0,6,6	-	-	-	-	-
82	OHX	CL	302	-	0,6,6	-	-	-	-	-
82	OHX	sR	1994	-	0,6,6	-	-	-	-	-
82	OHX	AR	3671	-	0,6,6	-	-	-	-	-

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
82	OHX	sR	2178	-	0,6,6	-	-	-	-	-
82	OHX	sR	1951	-	0,6,6	-	-	-	-	-
82	OHX	AR	3449	-	0,6,6	-	-	-	-	-
82	OHX	k	404	-	0,6,6	-	-	-	-	-
82	OHX	1	3477	-	0,6,6	-	-	-	-	-
82	OHX	AR	4138	-	0,6,6	-	-	-	-	-
82	OHX	AR	3568	-	0,6,6	-	-	-	-	-
82	OHX	AR	3643	-	0,6,6	-	-	-	-	-
82	OHX	1	3529	-	0,6,6	-	-	-	-	-
82	OHX	AR	3534	-	0,6,6	-	-	-	-	-
82	OHX	sR	1966	-	0,6,6	-	-	-	-	-
82	OHX	sR	2169	-	0,6,6	-	-	-	-	-
82	OHX	sR	1929	-	0,6,6	-	-	-	-	-
82	OHX	AS	208	-	0,6,6	-	-	-	-	-
82	OHX	c7	201	-	0,6,6	-	-	-	-	-
82	OHX	1	3416	-	0,6,6	-	-	-	-	-
82	OHX	1	4074	-	0,6,6	-	-	-	-	-
82	OHX	sR	1967	-	0,6,6	-	-	-	-	-
82	OHX	AT	202	-	0,6,6	-	-	-	-	-
82	OHX	1	4126	-	0,6,6	-	-	-	-	-
82	OHX	A	1974	-	0,6,6	-	-	-	-	-
82	OHX	1	3540	-	0,6,6	-	-	-	-	-
82	OHX	sR	2011	-	0,6,6	-	-	-	-	-
82	OHX	AR	4158	-	0,6,6	-	-	-	-	-
82	OHX	AR	4155	-	0,6,6	-	-	-	-	-
82	OHX	sR	1962	-	0,6,6	-	-	-	-	-
82	OHX	AR	3663	-	0,6,6	-	-	-	-	-
82	OHX	1	4108	-	0,6,6	-	-	-	-	-
82	OHX	sR	2015	-	0,6,6	-	-	-	-	-
82	OHX	AR	3576	-	0,6,6	-	-	-	-	-
82	OHX	AR	3517	-	0,6,6	-	-	-	-	-
82	OHX	CH	201	-	0,6,6	-	-	-	-	-
82	OHX	d4	201	-	0,6,6	-	-	-	-	-
82	OHX	sR	1976	-	0,6,6	-	-	-	-	-
82	OHX	AR	3559	-	0,6,6	-	-	-	-	-
82	OHX	AR	3584	-	0,6,6	-	-	-	-	-
82	OHX	AR	3649	-	0,6,6	-	-	-	-	-
82	OHX	A	1943	-	0,6,6	-	-	-	-	-
82	OHX	AT	235	-	0,6,6	-	-	-	-	-
82	OHX	1	4137	-	0,6,6	-	-	-	-	-
82	OHX	sR	2021	-	0,6,6	-	-	-	-	-
82	OHX	sR	1977	-	0,6,6	-	-	-	-	-
82	OHX	1	3509	-	0,6,6	-	-	-	-	-

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
82	OHX	1	3444	-	0,6,6	-	-	-	-	-
82	OHX	1	3578	-	0,6,6	-	-	-	-	-
82	OHX	1	4083	-	0,6,6	-	-	-	-	-
82	OHX	AR	3612	-	0,6,6	-	-	-	-	-
82	OHX	1	3417	-	0,6,6	-	-	-	-	-
82	OHX	1	4148	-	0,6,6	-	-	-	-	-
82	OHX	AR	3567	-	0,6,6	-	-	-	-	-
82	OHX	sR	1944	-	0,6,6	-	-	-	-	-
82	OHX	1	3489	-	0,6,6	-	-	-	-	-
82	OHX	1	3536	-	0,6,6	-	-	-	-	-
82	OHX	1	3552	-	0,6,6	-	-	-	-	-
82	OHX	sR	1987	-	0,6,6	-	-	-	-	-
82	OHX	1	3604	-	0,6,6	-	-	-	-	-
82	OHX	CX	201	-	0,6,6	-	-	-	-	-
82	OHX	1	4079	-	0,6,6	-	-	-	-	-
82	OHX	AR	3569	-	0,6,6	-	-	-	-	-
82	OHX	AR	3563	-	0,6,6	-	-	-	-	-
82	OHX	AR	3583	-	0,6,6	-	-	-	-	-
82	OHX	1	4112	-	0,6,6	-	-	-	-	-
82	OHX	4	211	-	0,6,6	-	-	-	-	-
82	OHX	AR	3626	-	0,6,6	-	-	-	-	-
82	OHX	A	1940[B]	-	0,6,6	-	-	-	-	-
82	OHX	sR	2012	-	0,6,6	-	-	-	-	-
82	OHX	1	3456	-	0,6,6	-	-	-	-	-
82	OHX	AR	3421	-	0,6,6	-	-	-	-	-
82	OHX	AR	3477	-	0,6,6	-	-	-	-	-
82	OHX	A	2122	-	0,6,6	-	-	-	-	-
82	OHX	AR	3429	-	0,6,6	-	-	-	-	-
82	OHX	A	1908	-	0,6,6	-	-	-	-	-
82	OHX	A	1958	-	0,6,6	-	-	-	-	-
82	OHX	sR	2180	-	0,6,6	-	-	-	-	-
82	OHX	AR	4144	-	0,6,6	-	-	-	-	-
82	OHX	sR	1955	-	0,6,6	-	-	-	-	-
82	OHX	1	3575	-	0,6,6	-	-	-	-	-
82	OHX	A	1960	-	0,6,6	-	-	-	-	-
82	OHX	1	4073	-	0,6,6	-	-	-	-	-
82	OHX	A	2128	-	0,6,6	-	-	-	-	-
82	OHX	sR	1920	-	0,6,6	-	-	-	-	-
82	OHX	AR	3496	-	0,6,6	-	-	-	-	-
82	OHX	A	2110	-	0,6,6	-	-	-	-	-
82	OHX	1	4134	-	0,6,6	-	-	-	-	-
82	OHX	sR	2005	-	0,6,6	-	-	-	-	-
82	OHX	AR	3593	-	0,6,6	-	-	-	-	-

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
82	OHX	1	3538	-	0,6,6	-	-	-		
82	OHX	AR	3656	-	0,6,6	-	-	-		
82	OHX	sR	1938	-	0,6,6	-	-	-		
82	OHX	AR	3602	-	0,6,6	-	-	-		
82	OHX	1	3431	-	0,6,6	-	-	-		
82	OHX	1	3466	-	0,6,6	-	-	-		
82	OHX	1	3518	-	0,6,6	-	-	-		
82	OHX	1	4091	-	0,6,6	-	-	-		
82	OHX	1	3468	-	0,6,6	-	-	-		
82	OHX	sR	2170	-	0,6,6	-	-	-		
82	OHX	AS	201	-	0,6,6	-	-	-		
82	OHX	1	3445	-	0,6,6	-	-	-		
82	OHX	sR	1914	-	0,6,6	-	-	-		
82	OHX	1	3432	-	0,6,6	-	-	-		
82	OHX	A	1932	-	0,6,6	-	-	-		
82	OHX	4	229	-	0,6,6	-	-	-		
82	OHX	AR	3464	-	0,6,6	-	-	-		
82	OHX	AR	3411	-	0,6,6	-	-	-		
82	OHX	AR	4150	-	0,6,6	-	-	-		
82	OHX	AR	3490	-	0,6,6	-	-	-		
82	OHX	A	1963	-	0,6,6	-	-	-		
82	OHX	sR	1992	-	0,6,6	-	-	-		
82	OHX	A	1905	-	0,6,6	-	-	-		
82	OHX	1	3459	-	0,6,6	-	-	-		
82	OHX	1	3424	-	0,6,6	-	-	-		
82	OHX	1	3562	-	0,6,6	-	-	-		
82	OHX	A	2135	-	0,6,6	-	-	-		
82	OHX	sR	1935	-	0,6,6	-	-	-		
82	OHX	AR	3635	-	0,6,6	-	-	-		
82	OHX	1	3443	-	0,6,6	-	-	-		
82	OHX	1	3450	-	0,6,6	-	-	-		
82	OHX	1	4082	-	0,6,6	-	-	-		
82	OHX	A	2117	-	0,6,6	-	-	-		
82	OHX	sR	1927	-	0,6,6	-	-	-		
82	OHX	A	1966	-	0,6,6	-	-	-		
82	OHX	AR	3436	-	0,6,6	-	-	-		
82	OHX	1	3448	-	0,6,6	-	-	-		
82	OHX	AR	3585	-	0,6,6	-	-	-		
82	OHX	AR	3447	-	0,6,6	-	-	-		
82	OHX	1	3559	-	0,6,6	-	-	-		
82	OHX	3	203	-	0,6,6	-	-	-		
82	OHX	sR	1952	-	0,6,6	-	-	-		
82	OHX	1	3422	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
82	OHX	1	3549	-	0,6,6	-	-	-	-	-
82	OHX	4	228	-	0,6,6	-	-	-	-	-
82	OHX	1	3403	-	0,6,6	-	-	-	-	-
82	OHX	AR	3483	-	0,6,6	-	-	-	-	-
82	OHX	AR	3435	-	0,6,6	-	-	-	-	-
82	OHX	sR	2175	-	0,6,6	-	-	-	-	-
82	OHX	AR	3546	-	0,6,6	-	-	-	-	-
82	OHX	AT	214	-	0,6,6	-	-	-	-	-
82	OHX	1	4102	-	0,6,6	-	-	-	-	-
82	OHX	1	4062	-	0,6,6	-	-	-	-	-
82	OHX	1	3478	-	0,6,6	-	-	-	-	-
82	OHX	AR	3514	-	0,6,6	-	-	-	-	-
82	OHX	1	3461	-	0,6,6	-	-	-	-	-
82	OHX	sR	1919	-	0,6,6	-	-	-	-	-
82	OHX	1	3437	-	0,6,6	-	-	-	-	-
82	OHX	A	2113	-	0,6,6	-	-	-	-	-
82	OHX	1	3603	-	0,6,6	-	-	-	-	-
82	OHX	AR	3468	-	0,6,6	-	-	-	-	-
82	OHX	sR	1933	-	0,6,6	-	-	-	-	-
82	OHX	1	3425	-	0,6,6	-	-	-	-	-
82	OHX	AR	3430	-	0,6,6	-	-	-	-	-
82	OHX	sR	1995	-	0,6,6	-	-	-	-	-
82	OHX	1	3566	-	0,6,6	-	-	-	-	-
82	OHX	1	4129	-	0,6,6	-	-	-	-	-
82	OHX	sR	1923	-	0,6,6	-	-	-	-	-
82	OHX	AR	3431	-	0,6,6	-	-	-	-	-
82	OHX	AR	3457	-	0,6,6	-	-	-	-	-
82	OHX	A	1915	-	0,6,6	-	-	-	-	-
82	OHX	AR	3647	-	0,6,6	-	-	-	-	-
82	OHX	1	3426	-	0,6,6	-	-	-	-	-
82	OHX	1	3579	-	0,6,6	-	-	-	-	-
82	OHX	1	4133	-	0,6,6	-	-	-	-	-
82	OHX	1	3569	-	0,6,6	-	-	-	-	-
82	OHX	AR	3476	-	0,6,6	-	-	-	-	-
82	OHX	AR	3665	-	0,6,6	-	-	-	-	-
82	OHX	AR	3619	-	0,6,6	-	-	-	-	-
82	OHX	1	4118	-	0,6,6	-	-	-	-	-
82	OHX	AR	3642	-	0,6,6	-	-	-	-	-
82	OHX	AT	216	-	0,6,6	-	-	-	-	-
82	OHX	A	2133	-	0,6,6	-	-	-	-	-
82	OHX	sR	1943	-	0,6,6	-	-	-	-	-
82	OHX	A	2139	-	0,6,6	-	-	-	-	-
82	OHX	CE	402	-	0,6,6	-	-	-	-	-

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
82	OHX	AR	3503	-	0,6,6	-	-	-	-	-
82	OHX	1	4142	-	0,6,6	-	-	-	-	-
82	OHX	AR	3495	-	0,6,6	-	-	-	-	-
82	OHX	AR	3542	-	0,6,6	-	-	-	-	-
82	OHX	AR	3460	-	0,6,6	-	-	-	-	-
82	OHX	AR	3424	-	0,6,6	-	-	-	-	-
82	OHX	AR	3481	-	0,6,6	-	-	-	-	-
82	OHX	AP	502	-	0,6,6	-	-	-	-	-
82	OHX	1	3533	-	0,6,6	-	-	-	-	-
82	OHX	AR	3631	-	0,6,6	-	-	-	-	-
82	OHX	1	3588	-	0,6,6	-	-	-	-	-
82	OHX	AR	3550	-	0,6,6	-	-	-	-	-
82	OHX	1	3541	-	0,6,6	-	-	-	-	-
82	OHX	1	4136	-	0,6,6	-	-	-	-	-
82	OHX	1	3570	-	0,6,6	-	-	-	-	-
82	OHX	AR	3434	-	0,6,6	-	-	-	-	-
82	OHX	1	3446	-	0,6,6	-	-	-	-	-
82	OHX	AT	209	-	0,6,6	-	-	-	-	-
82	OHX	AR	3469	-	0,6,6	-	-	-	-	-
82	OHX	A	1930	-	0,6,6	-	-	-	-	-
82	OHX	1	3496	-	0,6,6	-	-	-	-	-
82	OHX	AR	3489	-	0,6,6	-	-	-	-	-
82	OHX	1	4140	-	0,6,6	-	-	-	-	-
82	OHX	AR	3401	-	0,6,6	-	-	-	-	-
82	OHX	sR	1916[B]	-	0,6,6	-	-	-	-	-
82	OHX	1	3405	-	0,6,6	-	-	-	-	-
82	OHX	sR	2007	-	0,6,6	-	-	-	-	-
82	OHX	sR	2008	-	0,6,6	-	-	-	-	-
82	OHX	CV	201	-	0,6,6	-	-	-	-	-
82	OHX	1	3580	-	0,6,6	-	-	-	-	-
82	OHX	1	4155	-	0,6,6	-	-	-	-	-
82	OHX	AR	3553	-	0,6,6	-	-	-	-	-
82	OHX	sR	2176	-	0,6,6	-	-	-	-	-
82	OHX	A	1942	-	0,6,6	-	-	-	-	-
82	OHX	A	1921	-	0,6,6	-	-	-	-	-
82	OHX	AR	3575	-	0,5,6	-	-	-	-	-
82	OHX	AT	212	-	0,6,6	-	-	-	-	-
82	OHX	A	1901	-	0,6,6	-	-	-	-	-
82	OHX	A	1947	-	0,6,6	-	-	-	-	-
82	OHX	AR	3428	-	0,6,6	-	-	-	-	-
82	OHX	AR	3669	-	0,5,6	-	-	-	-	-
82	OHX	1	4080	-	0,6,6	-	-	-	-	-
82	OHX	AR	3452	-	0,6,6	-	-	-	-	-

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
82	OHX	sR	1946	-	0,6,6	-	-	-	-	-
82	OHX	AR	3418	-	0,6,6	-	-	-	-	-
82	OHX	A	2147	-	0,6,6	-	-	-	-	-
82	OHX	1	3452	-	0,6,6	-	-	-	-	-
82	OHX	1	4100	-	0,6,6	-	-	-	-	-
82	OHX	1	4149	-	0,6,6	-	-	-	-	-
82	OHX	AR	3440	-	0,6,6	-	-	-	-	-
82	OHX	1	3418	-	0,6,6	-	-	-	-	-
82	OHX	1	4058	-	0,6,6	-	-	-	-	-
82	OHX	A	2126[A]	-	0,6,6	-	-	-	-	-
82	OHX	c3	202	-	0,6,6	-	-	-	-	-
82	OHX	AR	3621	-	0,6,6	-	-	-	-	-
82	OHX	CG	303	-	0,6,6	-	-	-	-	-
82	OHX	1	3561	-	0,6,6	-	-	-	-	-
82	OHX	AR	3450	-	0,6,6	-	-	-	-	-
82	OHX	1	3593	-	0,6,6	-	-	-	-	-
82	OHX	AR	3432	-	0,6,6	-	-	-	-	-
82	OHX	4	212	-	0,6,6	-	-	-	-	-
82	OHX	AR	3594	-	0,6,6	-	-	-	-	-
82	OHX	A	1936	-	0,6,6	-	-	-	-	-
82	OHX	1	4115	-	0,6,6	-	-	-	-	-
82	OHX	sR	2003	-	0,6,6	-	-	-	-	-
82	OHX	AR	3596	-	0,6,6	-	-	-	-	-
82	OHX	AR	3420	-	0,6,6	-	-	-	-	-
82	OHX	k	403	-	0,6,6	-	-	-	-	-
82	OHX	1	4116	-	0,6,6	-	-	-	-	-
82	OHX	AR	3459	-	0,6,6	-	-	-	-	-
82	OHX	1	4092	-	0,6,6	-	-	-	-	-
82	OHX	1	4114[A]	-	0,6,6	-	-	-	-	-
82	OHX	AR	3592	-	0,6,6	-	-	-	-	-
82	OHX	1	3491	-	0,6,6	-	-	-	-	-
82	OHX	AR	3629	-	0,6,6	-	-	-	-	-
82	OHX	AR	3641	-	0,6,6	-	-	-	-	-
82	OHX	1	3517	-	0,6,6	-	-	-	-	-
82	OHX	1	3555	-	0,6,6	-	-	-	-	-
82	OHX	1	4078	-	0,6,6	-	-	-	-	-
82	OHX	AR	4136	-	0,6,6	-	-	-	-	-
82	OHX	sR	1984	-	0,6,6	-	-	-	-	-
82	OHX	1	3542	-	0,6,6	-	-	-	-	-
82	OHX	1	4131	-	0,6,6	-	-	-	-	-
82	OHX	AR	3544	-	0,6,6	-	-	-	-	-
82	OHX	A	1951	-	0,6,6	-	-	-	-	-
82	OHX	1	3563	-	0,6,6	-	-	-	-	-

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
82	OHX	1	3546	-	0,6,6	-	-	-		
82	OHX	sR	1903	-	0,6,6	-	-	-		
82	OHX	A	1948	-	0,6,6	-	-	-		
82	OHX	A	2112	-	0,6,6	-	-	-		
82	OHX	AR	3549	-	0,6,6	-	-	-		
82	OHX	A	1909	-	0,6,6	-	-	-		
82	OHX	AR	3607	-	0,6,6	-	-	-		
82	OHX	sR	1928	-	0,6,6	-	-	-		
82	OHX	AR	3472	-	0,6,6	-	-	-		
82	OHX	sR	1981	-	0,6,6	-	-	-		
82	OHX	sR	1945	-	0,6,6	-	-	-		
82	OHX	sR	1915	-	0,6,6	-	-	-		
82	OHX	AR	4140	-	0,6,6	-	-	-		
82	OHX	AR	3444	-	0,6,6	-	-	-		
82	OHX	AR	3402	-	0,6,6	-	-	-		
82	OHX	A	2138	-	0,6,6	-	-	-		
82	OHX	A	1950	-	0,6,6	-	-	-		
82	OHX	AR	3437	-	0,6,6	-	-	-		
82	OHX	AR	3554	-	0,6,6	-	-	-		
82	OHX	1	3602	-	0,6,6	-	-	-		
82	OHX	AR	3603	-	0,6,6	-	-	-		
82	OHX	AR	3666	-	0,6,6	-	-	-		
82	OHX	AR	3615	-	0,6,6	-	-	-		
82	OHX	sR	2006	-	0,6,6	-	-	-		
82	OHX	AR	3613	-	0,6,6	-	-	-		
82	OHX	1	3423	-	0,6,6	-	-	-		
82	OHX	AR	3467	-	0,6,6	-	-	-		
82	OHX	AR	3510	-	0,6,6	-	-	-		
82	OHX	sR	2002	-	0,6,6	-	-	-		
82	OHX	1	3548	-	0,6,6	-	-	-		
82	OHX	1	3439	-	0,6,6	-	-	-		
82	OHX	1	3584	-	0,6,6	-	-	-		
82	OHX	1	3471	-	0,6,6	-	-	-		
82	OHX	AR	4149	-	0,6,6	-	-	-		
82	OHX	A	1970	-	0,6,6	-	-	-		
82	OHX	AR	3589	-	0,6,6	-	-	-		
85	SPD	AR	4204	-	9,9,9	0.33	0	8,8,8	0.88	0
82	OHX	AR	4141	-	0,6,6	-	-	-		
82	OHX	AR	3463	-	0,6,6	-	-	-		
82	OHX	1	3401	-	0,6,6	-	-	-		
82	OHX	1	4130	-	0,6,6	-	-	-		
82	OHX	1	4141	-	0,6,6	-	-	-		
82	OHX	s8	301	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
82	OHX	AR	3521	-	0,6,6	-	-	-	-	-
82	OHX	CK	201	-	0,6,6	-	-	-	-	-
82	OHX	AR	3608	-	0,6,6	-	-	-	-	-
82	OHX	1	3567	-	0,6,6	-	-	-	-	-
82	OHX	A	1919	-	0,6,6	-	-	-	-	-
82	OHX	1	3519	-	0,6,6	-	-	-	-	-
82	OHX	1	3587	-	0,6,6	-	-	-	-	-
82	OHX	A	2111	-	0,6,6	-	-	-	-	-
82	OHX	sR	2020	-	0,6,6	-	-	-	-	-
82	OHX	1	3526	-	0,6,6	-	-	-	-	-
82	OHX	AR	3539	-	0,6,6	-	-	-	-	-
82	OHX	AR	3520	-	0,6,6	-	-	-	-	-
82	OHX	AR	3595	-	0,6,6	-	-	-	-	-
82	OHX	AR	3582	-	0,6,6	-	-	-	-	-
82	OHX	sR	2171	-	0,6,6	-	-	-	-	-
82	OHX	AR	3558	-	0,6,6	-	-	-	-	-
82	OHX	sR	1942	-	0,6,6	-	-	-	-	-
82	OHX	AR	3485	-	0,6,6	-	-	-	-	-
82	OHX	AR	4161	-	0,6,6	-	-	-	-	-
82	OHX	AR	3524	-	0,6,6	-	-	-	-	-
82	OHX	3	221	-	0,6,6	-	-	-	-	-
82	OHX	AR	3494	-	0,6,6	-	-	-	-	-
82	OHX	AR	3504	-	0,6,6	-	-	-	-	-
82	OHX	AR	3427	-	0,6,6	-	-	-	-	-
82	OHX	sR	1969	-	0,6,6	-	-	-	-	-
82	OHX	AR	3479	-	0,6,6	-	-	-	-	-
82	OHX	AR	4137	-	0,6,6	-	-	-	-	-
82	OHX	1	3528	-	0,6,6	-	-	-	-	-
82	OHX	1	4154	-	0,6,6	-	-	-	-	-
82	OHX	1	3494	-	0,6,6	-	-	-	-	-
82	OHX	A	2124	-	0,6,6	-	-	-	-	-
82	OHX	AR	3600	-	0,6,6	-	-	-	-	-
82	OHX	4	209	-	0,6,6	-	-	-	-	-
82	OHX	A	2123	-	0,6,6	-	-	-	-	-
82	OHX	sR	2010	-	0,6,6	-	-	-	-	-
82	OHX	AR	3412	-	0,6,6	-	-	-	-	-
82	OHX	s4	301	-	0,6,6	-	-	-	-	-
82	OHX	sR	1931	-	0,6,6	-	-	-	-	-
82	OHX	1	4103	-	0,6,6	-	-	-	-	-
82	OHX	AR	3473	-	0,6,6	-	-	-	-	-
82	OHX	AT	208	-	0,6,6	-	-	-	-	-
82	OHX	AR	4146	-	0,6,6	-	-	-	-	-
82	OHX	sR	1971	-	0,6,6	-	-	-	-	-

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
82	OHX	1	4081	-	0,6,6	-	-	-	-	-
82	OHX	1	3406	-	0,6,6	-	-	-	-	-
82	OHX	1	4098	-	0,6,6	-	-	-	-	-
82	OHX	AR	3616	-	0,6,6	-	-	-	-	-
82	OHX	4	206	-	0,6,6	-	-	-	-	-
82	OHX	1	4146	-	0,6,6	-	-	-	-	-
82	OHX	AG	202	-	0,6,6	-	-	-	-	-
82	OHX	1	3411	-	0,6,6	-	-	-	-	-
82	OHX	3	220	-	0,6,6	-	-	-	-	-
82	OHX	A	1924	-	0,6,6	-	-	-	-	-
82	OHX	A	1935	-	0,6,6	-	-	-	-	-
82	OHX	1	3590	-	0,6,6	-	-	-	-	-
82	OHX	1	4088	-	0,6,6	-	-	-	-	-
82	OHX	AK	102	-	0,6,6	-	-	-	-	-
82	OHX	A	1939	-	0,6,6	-	-	-	-	-
82	OHX	A	1940[A]	-	0,6,6	-	-	-	-	-
82	OHX	1	3467	-	0,6,6	-	-	-	-	-
82	OHX	1	3539	-	0,6,6	-	-	-	-	-
82	OHX	sR	1908	-	0,6,6	-	-	-	-	-
82	OHX	T	201	-	0,6,6	-	-	-	-	-
82	OHX	AR	3543	-	0,6,6	-	-	-	-	-
82	OHX	sR	1960	-	0,6,6	-	-	-	-	-
82	OHX	1	3407	-	0,6,6	-	-	-	-	-
82	OHX	A	1952	-	0,6,6	-	-	-	-	-
82	OHX	AR	3551	-	0,6,6	-	-	-	-	-
82	OHX	sR	1993	-	0,6,6	-	-	-	-	-
82	OHX	sR	1937	-	0,6,6	-	-	-	-	-
82	OHX	AR	3538	-	0,6,6	-	-	-	-	-
82	OHX	4	208	-	0,6,6	-	-	-	-	-
82	OHX	1	3435	-	0,6,6	-	-	-	-	-
82	OHX	1	3522	-	0,6,6	-	-	-	-	-
82	OHX	AR	3508	-	0,6,6	-	-	-	-	-
82	OHX	A	1931	-	0,6,6	-	-	-	-	-
82	OHX	A	2119	-	0,6,6	-	-	-	-	-
82	OHX	l	405	-	0,6,6	-	-	-	-	-
82	OHX	AR	3486	-	0,6,6	-	-	-	-	-
82	OHX	AR	3571	-	0,6,6	-	-	-	-	-
82	OHX	1	3413	-	0,6,6	-	-	-	-	-
82	OHX	AR	3458	-	0,6,6	-	-	-	-	-
82	OHX	1	3421	-	0,6,6	-	-	-	-	-
82	OHX	1	3436	-	0,6,6	-	-	-	-	-
82	OHX	A	1962	-	0,6,6	-	-	-	-	-
82	OHX	sR	1950	-	0,6,6	-	-	-	-	-

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
82	OHX	z	202	-	0,6,6	-	-	-	-	-
82	OHX	A	1961	-	0,6,6	-	-	-	-	-
82	OHX	sR	1963	-	0,6,6	-	-	-	-	-
82	OHX	sR	2025	-	0,6,6	-	-	-	-	-
82	OHX	AR	3500	-	0,6,6	-	-	-	-	-
82	OHX	AR	4163	-	0,6,6	-	-	-	-	-
82	OHX	CP	302	-	0,6,6	-	-	-	-	-
82	OHX	AR	3652	-	0,6,6	-	-	-	-	-
82	OHX	sR	1954	-	0,6,6	-	-	-	-	-
82	OHX	1	4127	-	0,6,6	-	-	-	-	-
82	OHX	AR	3409	-	0,6,6	-	-	-	-	-
82	OHX	AR	3599	-	0,6,6	-	-	-	-	-
82	OHX	1	4124	-	0,6,6	-	-	-	-	-
82	OHX	AR	4126	-	0,6,6	-	-	-	-	-
82	OHX	AR	3433	-	0,6,6	-	-	-	-	-
82	OHX	A	1972	-	0,6,6	-	-	-	-	-
82	OHX	1	4113	-	0,6,6	-	-	-	-	-
82	OHX	A	2140	-	0,6,6	-	-	-	-	-
82	OHX	sR	2173	-	0,6,6	-	-	-	-	-
82	OHX	4	204	-	0,6,6	-	-	-	-	-
82	OHX	AR	3423	-	0,6,6	-	-	-	-	-
82	OHX	1	3564	-	0,6,6	-	-	-	-	-
82	OHX	A	2129	-	0,6,6	-	-	-	-	-
82	OHX	AR	3406	-	0,6,6	-	-	-	-	-
82	OHX	AR	4152	-	0,6,6	-	-	-	-	-
82	OHX	A	1913	-	0,6,6	-	-	-	-	-
82	OHX	1	3492	-	0,6,6	-	-	-	-	-
82	OHX	1	3476	-	0,6,6	-	-	-	-	-
82	OHX	1	3460	-	0,6,6	-	-	-	-	-
82	OHX	AR	3461	-	0,6,6	-	-	-	-	-
82	OHX	sR	2172	-	0,6,6	-	-	-	-	-
82	OHX	AR	3657	-	0,6,6	-	-	-	-	-
82	OHX	AR	3404	-	0,6,6	-	-	-	-	-
82	OHX	A	1904	-	0,6,6	-	-	-	-	-
82	OHX	sR	1974	-	0,6,6	-	-	-	-	-
82	OHX	A	2121	-	0,6,6	-	-	-	-	-
82	OHX	A	2143	-	0,6,6	-	-	-	-	-
82	OHX	AR	3417	-	0,6,6	-	-	-	-	-
82	OHX	sR	1901	-	0,6,6	-	-	-	-	-
82	OHX	AR	3630	-	0,6,6	-	-	-	-	-
82	OHX	AR	3653	-	0,6,6	-	-	-	-	-
82	OHX	h	401	-	0,6,6	-	-	-	-	-
82	OHX	AS	203	-	0,6,6	-	-	-	-	-

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
82	OHX	AR	3639	-	0,6,6	-	-	-	-	-
82	OHX	U	201	-	0,6,6	-	-	-	-	-
82	OHX	AR	3632	-	0,6,6	-	-	-	-	-
82	OHX	1	4151	-	0,6,6	-	-	-	-	-
82	OHX	AR	3506	-	0,6,6	-	-	-	-	-
82	OHX	sR	1975	-	0,6,6	-	-	-	-	-
82	OHX	AR	3497	-	0,6,6	-	-	-	-	-
82	OHX	AR	3604	-	0,6,6	-	-	-	-	-
82	OHX	AR	3646	-	0,6,6	-	-	-	-	-
82	OHX	A	2106	-	0,6,6	-	-	-	-	-
82	OHX	A	1926	-	0,6,6	-	-	-	-	-
82	OHX	3	204	-	0,6,6	-	-	-	-	-
82	OHX	AR	3413	-	0,6,6	-	-	-	-	-
82	OHX	2	201	-	0,6,6	-	-	-	-	-
82	OHX	1	4107	-	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
86	X1K	AR	4205	-	-	0/8/58/58	0/3/3/3
85	SPD	AR	4204	-	-	2/7/7/7	-
86	X1K	1	4181	-	-	2/8/58/58	0/3/3/3
85	SPD	1	4180	-	-	2/7/7/7	-

All (3) bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
86	AR	4205	X1K	C1-C10	-2.44	1.52	1.56
86	AR	4205	X1K	C5-C10	2.09	1.59	1.56
86	1	4181	X1K	C5-C10	2.03	1.59	1.56

The worst 5 of 17 bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
86	1	4181	X1K	C1-C10-C5	-7.82	107.86	116.78
86	1	4181	X1K	C20-C1-C2	-5.82	97.05	109.03
86	AR	4205	X1K	C1-C10-C5	-5.21	110.83	116.78
86	1	4181	X1K	C20-C1-C	-4.51	101.24	107.89

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
86	AR	4205	X1K	C20-C1-C	-4.22	101.68	107.89

There are no chirality outliers.

5 of 6 torsion outliers are listed below:

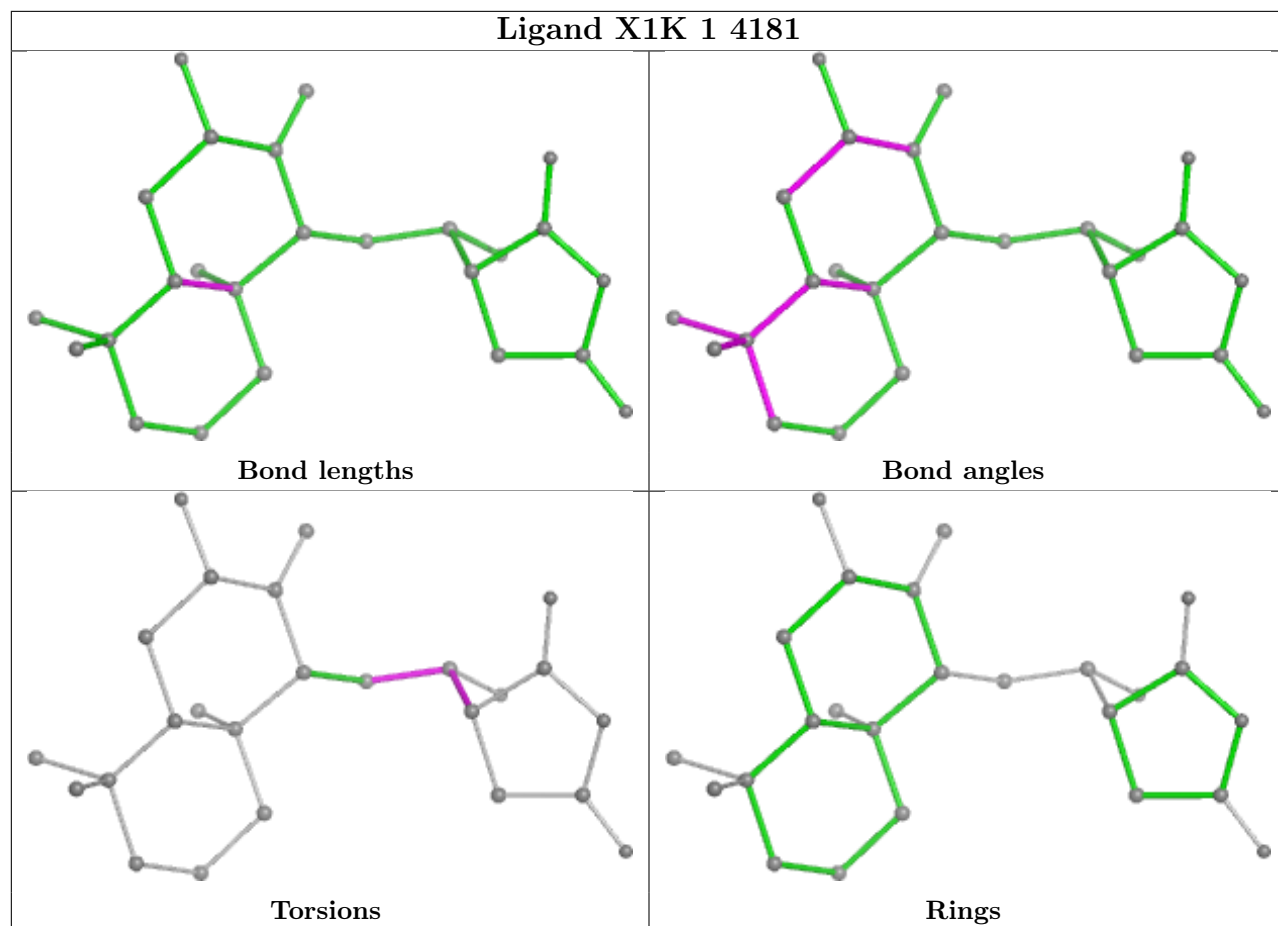
Mol	Chain	Res	Type	Atoms
86	1	4181	X1K	C13-C14-C15-C16
85	AR	4204	SPD	C3-C4-C5-N6
85	1	4180	SPD	C3-C4-C5-N6
86	1	4181	X1K	C6-C13-C14-C15
85	AR	4204	SPD	N1-C2-C3-C4

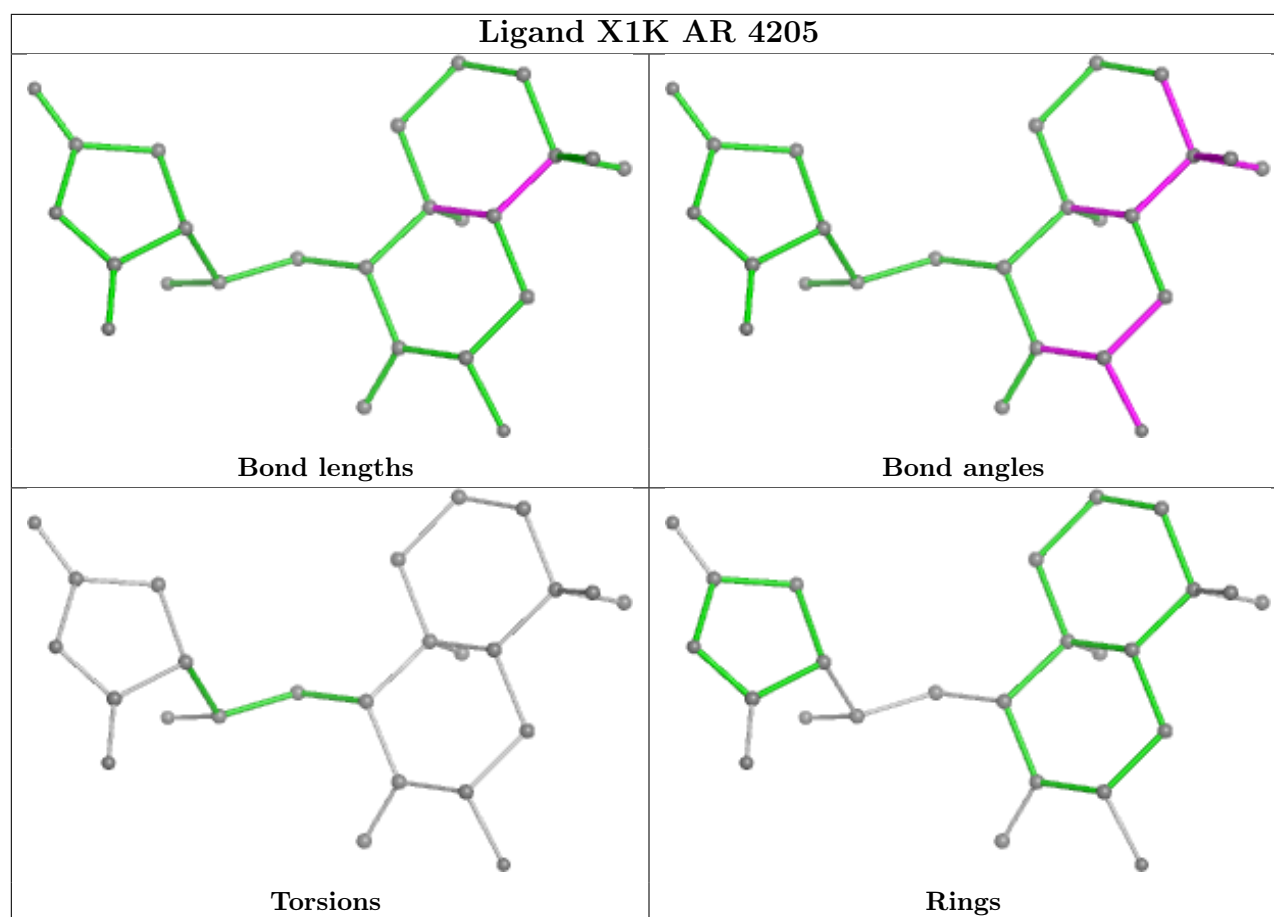
There are no ring outliers.

2 monomers are involved in 2 short contacts:

Mol	Chain	Res	Type	Clashes	Symm-Clashes
82	CG	304	OHX	0	1
82	AR	3440	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 than 5% of the Mogul distribution of torsion angles is within 10 degrees of the torsion angle in question, then that torsion angle is considered an outlier. Any bond that is central to one or more torsion angles identified as an outlier by Mogul will be highlighted in the graph. For rings, the root-mean-square deviation (RMSD) between the ring in question and similar rings identified by Mogul is calculated over all ring torsion angles. If the average RMSD is greater than 60 degrees and the minimal RMSD between the ring in question and any Mogul-identified rings is also greater than 60 degrees, then that ring is considered an outlier. The outliers are highlighted in purple. The color gray indicates Mogul did not find sufficient equivalents in the CSD to analyse the geometry.





5.7 Other polymers [i](#)

There are no such residues in this entry.

5.8 Polymer linkage issues [i](#)

The following chains have linkage breaks:

Mol	Chain	Number of breaks
58	c0	1
47	A	1

All chain breaks are listed below:

Model	Chain	Residue-1	Atom-1	Residue-2	Atom-2	Distance (Å)
1	c0	84:GLU	C	87:HIS	N	9.31
1	A	1716:C	O3'	1717:G	P	4.49

6 Fit of model and data [i](#)

6.1 Protein, DNA and RNA chains [i](#)

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

Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
1	1	3149/3396 (92%)	-0.15	19 (0%) 85 75	48, 78, 189, 306	0
1	AR	3147/3396 (92%)	-0.13	26 (0%) 82 69	50, 76, 175, 286	0
2	3	121/121 (100%)	-0.40	0 100 100	61, 92, 117, 150	0
2	AS	121/121 (100%)	-0.43	0 100 100	60, 80, 95, 157	0
3	4	158/158 (100%)	-0.38	0 100 100	59, 79, 145, 230	0
3	AT	158/158 (100%)	-0.22	1 (0%) 85 75	62, 85, 163, 234	0
4	CD	252/254 (99%)	0.63	22 (8%) 17 12	52, 79, 112, 181	0
4	j	252/254 (99%)	0.72	29 (11%) 11 7	49, 77, 104, 155	0
5	CE	386/387 (99%)	0.39	17 (4%) 39 26	48, 69, 98, 157	0
5	k	386/387 (99%)	0.47	15 (3%) 44 29	50, 79, 111, 168	0
6	CF	361/362 (99%)	0.46	20 (5%) 32 20	49, 78, 111, 149	0
6	l	361/362 (99%)	0.35	15 (4%) 41 27	47, 74, 113, 161	0
7	CG	296/297 (99%)	0.31	9 (3%) 52 37	58, 83, 135, 238	0
7	m	296/297 (99%)	0.27	7 (2%) 59 44	65, 102, 154, 184	0
8	CH	156/176 (88%)	0.30	7 (4%) 39 25	54, 80, 121, 166	0
8	n	156/176 (88%)	0.34	2 (1%) 74 59	55, 76, 113, 156	0
9	CI	222/244 (90%)	0.36	4 (1%) 67 52	52, 68, 111, 187	0
9	o	222/244 (90%)	0.19	5 (2%) 61 45	51, 70, 122, 188	0
10	CJ	233/256 (91%)	0.55	11 (4%) 37 24	76, 114, 158, 185	0
10	p	233/256 (91%)	0.68	15 (6%) 27 17	67, 103, 162, 211	0
11	CK	191/191 (100%)	0.18	2 (1%) 79 65	54, 77, 116, 203	0
11	q	191/191 (100%)	0.48	9 (4%) 37 24	63, 89, 122, 192	0
12	CL	211/221 (95%)	0.12	3 (1%) 73 58	50, 79, 119, 152	0
12	r	211/221 (95%)	0.20	8 (3%) 44 30	53, 81, 132, 164	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2		OWAB(Å ²)	Q<0.9
13	CM	169/174 (97%)	0.40	5 (2%)	52 37	58, 84, 117, 181	0
13	s	169/174 (97%)	0.60	9 (5%)	33 21	76, 104, 139, 197	0
14	CN	193/199 (96%)	0.42	11 (5%)	30 19	56, 89, 149, 196	0
14	t	193/199 (96%)	0.41	15 (7%)	20 14	51, 83, 132, 176	0
15	CO	136/138 (98%)	0.28	6 (4%)	39 26	58, 75, 105, 139	0
15	u	136/138 (98%)	0.21	5 (3%)	45 30	60, 77, 112, 184	0
16	CP	203/204 (99%)	0.47	9 (4%)	39 26	61, 83, 102, 115	0
16	v	203/204 (99%)	0.56	4 (1%)	64 49	51, 77, 94, 111	0
17	CQ	197/199 (98%)	0.25	6 (3%)	52 37	50, 64, 112, 171	0
17	w	197/199 (98%)	0.07	5 (2%)	58 42	50, 69, 102, 139	0
18	CR	183/184 (99%)	0.34	8 (4%)	39 26	53, 73, 210, 245	0
18	x	183/184 (99%)	0.42	11 (6%)	29 18	51, 74, 157, 193	0
19	CS	185/186 (99%)	0.59	10 (5%)	32 21	56, 78, 96, 125	0
19	y	185/186 (99%)	0.59	14 (7%)	21 14	55, 73, 93, 112	0
20	CT	188/189 (99%)	0.43	12 (6%)	27 17	62, 91, 170, 224	0
20	z	188/189 (99%)	0.30	9 (4%)	36 24	63, 95, 173, 222	0
21	0	172/172 (100%)	0.12	7 (4%)	42 28	55, 75, 109, 161	0
21	CU	172/172 (100%)	0.07	4 (2%)	61 45	53, 71, 101, 133	0
22	2	159/160 (99%)	0.42	10 (6%)	27 17	51, 79, 124, 175	0
22	CV	159/160 (99%)	0.41	9 (5%)	30 19	54, 72, 135, 215	0
23	5	100/121 (82%)	0.42	4 (4%)	43 28	87, 130, 170, 182	0
23	CW	100/121 (82%)	0.58	6 (6%)	29 18	82, 121, 165, 174	0
24	6	136/137 (99%)	0.59	8 (5%)	29 19	57, 79, 116, 164	0
24	CX	136/137 (99%)	0.41	4 (2%)	54 38	49, 69, 99, 160	0
25	7	98/155 (63%)	0.67	8 (8%)	19 13	62, 94, 197, 210	0
25	CY	124/155 (80%)	0.62	11 (8%)	17 11	56, 100, 182, 220	0
26	8	121/142 (85%)	0.36	6 (4%)	35 23	63, 88, 123, 174	0
26	CZ	121/142 (85%)	0.87	15 (12%)	9 6	64, 93, 132, 194	0
27	9	126/127 (99%)	0.11	2 (1%)	70 55	61, 83, 115, 144	0
27	DA	124/127 (97%)	0.47	2 (1%)	70 55	58, 86, 110, 149	0
28	AA	135/136 (99%)	0.37	3 (2%)	62 46	83, 117, 153, 210	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
28	DB	135/136 (99%)	0.30	2 (1%) 71 57	94, 125, 164, 185	0
29	AB	148/149 (99%)	0.44	7 (4%) 37 24	48, 73, 109, 147	0
29	DC	148/149 (99%)	0.36	4 (2%) 56 40	47, 74, 115, 159	0
30	AC	58/59 (98%)	0.84	8 (13%) 8 5	52, 87, 140, 194	0
30	DD	58/59 (98%)	0.81	7 (12%) 10 7	52, 82, 114, 138	0
31	AD	97/105 (92%)	0.12	3 (3%) 51 36	80, 110, 148, 176	0
31	DE	97/105 (92%)	0.38	5 (5%) 34 22	80, 110, 153, 183	0
32	AE	109/113 (96%)	0.96	14 (12%) 9 6	61, 91, 150, 200	0
32	DF	109/113 (96%)	0.54	5 (4%) 38 25	57, 84, 148, 190	0
33	AF	127/130 (97%)	0.44	4 (3%) 51 36	51, 69, 100, 146	0
33	DG	127/130 (97%)	0.24	1 (0%) 82 69	52, 71, 99, 150	0
34	AG	106/107 (99%)	0.08	0 100 100	51, 68, 96, 128	0
34	DH	106/107 (99%)	0.32	1 (0%) 81 67	50, 68, 108, 140	0
35	AH	112/121 (92%)	0.90	13 (11%) 11 7	60, 96, 140, 188	0
35	DI	112/121 (92%)	0.53	10 (8%) 17 11	63, 96, 150, 185	0
36	AI	119/120 (99%)	0.37	5 (4%) 41 27	57, 88, 122, 144	0
36	DJ	119/120 (99%)	0.46	7 (5%) 29 19	69, 97, 127, 151	0
37	AJ	99/100 (99%)	0.20	0 100 100	66, 93, 142, 176	0
37	DK	99/100 (99%)	0.49	7 (7%) 23 16	69, 103, 146, 194	0
38	AK	87/88 (98%)	0.41	4 (4%) 38 25	57, 71, 91, 191	0
38	DL	87/88 (98%)	0.53	5 (5%) 30 19	54, 74, 114, 156	0
39	AL	77/78 (98%)	0.52	3 (3%) 44 29	81, 118, 162, 170	0
39	DM	77/78 (98%)	0.53	3 (3%) 44 29	86, 122, 165, 198	0
40	AM	50/51 (98%)	0.50	4 (8%) 20 13	57, 80, 99, 119	0
40	DN	50/51 (98%)	0.50	2 (4%) 43 28	64, 82, 102, 127	0
41	AN	52/128 (40%)	0.27	3 (5%) 30 19	58, 79, 113, 144	0
41	DO	52/128 (40%)	0.19	2 (3%) 44 30	51, 67, 95, 173	0
42	AO	25/25 (100%)	1.39	5 (20%) 3 2	68, 81, 103, 108	0
42	DP	25/25 (100%)	1.25	6 (24%) 2 2	56, 77, 99, 108	0
43	AP	105/106 (99%)	0.20	2 (1%) 66 50	53, 82, 122, 163	0
43	DQ	105/106 (99%)	0.21	3 (2%) 54 38	55, 78, 124, 158	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
44	AQ	91/92 (98%)	0.51	5 (5%) 32 20	54, 84, 113, 158	0
44	DR	91/92 (98%)	0.62	6 (6%) 26 17	60, 83, 119, 125	0
45	i	159/273 (58%)	0.45	7 (4%) 39 26	72, 125, 187, 206	0
45	sM	63/273 (23%)	0.70	4 (6%) 27 17	61, 137, 179, 196	0
46	p0	143/311 (45%)	0.60	12 (8%) 18 12	89, 145, 187, 210	0
47	A	1781/1800 (98%)	0.02	29 (1%) 70 55	74, 110, 232, 314	0
47	sR	1783/1800 (99%)	-0.08	8 (0%) 89 80	60, 104, 221, 293	0
48	B	206/252 (81%)	0.35	3 (1%) 71 57	89, 134, 178, 198	0
48	s0	206/252 (81%)	0.35	5 (2%) 59 44	82, 122, 159, 205	0
49	C	214/255 (83%)	0.80	21 (9%) 14 10	93, 151, 197, 234	0
49	s1	216/255 (84%)	0.35	9 (4%) 41 27	65, 110, 149, 197	0
50	D	217/254 (85%)	0.18	7 (3%) 50 35	81, 113, 148, 190	0
50	s2	217/254 (85%)	0.06	3 (1%) 73 58	67, 103, 144, 163	0
51	E	223/240 (92%)	0.34	12 (5%) 32 21	82, 120, 159, 208	0
51	s3	223/240 (92%)	0.14	5 (2%) 62 46	97, 138, 185, 230	0
52	F	260/261 (99%)	0.82	31 (11%) 10 7	73, 114, 150, 177	0
52	s4	260/261 (99%)	0.41	8 (3%) 51 36	73, 102, 135, 191	0
53	G	206/225 (91%)	0.52	10 (4%) 36 23	94, 140, 177, 200	0
53	s5	206/225 (91%)	0.91	20 (9%) 15 10	92, 146, 183, 211	0
54	H	226/236 (95%)	0.58	23 (10%) 13 9	73, 122, 160, 191	0
54	s6	218/236 (92%)	0.18	7 (3%) 50 35	61, 103, 153, 192	0
55	I	184/190 (96%)	0.51	5 (2%) 56 40	85, 144, 192, 220	0
55	s7	186/190 (97%)	0.68	16 (8%) 18 12	74, 132, 187, 212	0
56	J	188/200 (94%)	0.48	6 (3%) 50 35	57, 99, 150, 171	0
56	s8	188/200 (94%)	0.60	14 (7%) 22 15	71, 97, 153, 174	0
57	K	185/197 (93%)	0.59	10 (5%) 32 21	84, 123, 164, 226	0
57	s9	185/197 (93%)	0.65	15 (8%) 19 13	72, 105, 158, 200	0
58	L	96/105 (91%)	0.75	12 (12%) 9 6	89, 133, 185, 197	0
58	c0	96/105 (91%)	0.46	7 (7%) 22 15	118, 154, 202, 225	0
59	M	155/156 (99%)	0.66	13 (8%) 18 12	68, 98, 189, 220	0
59	c1	146/156 (93%)	1.14	25 (17%) 5 3	62, 94, 159, 210	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2		OWAB(Å ²)	Q<0.9
60	N	124/143 (86%)	0.43	4 (3%)	50 35	119, 182, 209, 234	0
60	c2	124/143 (86%)	0.48	2 (1%)	70 55	152, 192, 221, 243	0
61	O	150/151 (99%)	0.32	5 (3%)	49 34	70, 111, 148, 172	0
61	c3	150/151 (99%)	0.47	8 (5%)	33 21	67, 103, 136, 165	0
62	P	127/138 (92%)	1.18	20 (15%)	6 4	82, 145, 187, 212	0
62	c4	128/138 (92%)	0.44	5 (3%)	44 29	64, 112, 151, 166	0
63	Q	124/142 (87%)	0.81	14 (11%)	11 8	80, 117, 189, 204	0
63	c5	135/142 (95%)	1.06	26 (19%)	4 3	91, 142, 183, 203	0
64	R	141/143 (98%)	0.38	2 (1%)	73 58	83, 127, 156, 170	0
64	c6	142/143 (99%)	0.81	19 (13%)	8 5	81, 133, 179, 206	0
65	S	120/136 (88%)	0.23	4 (3%)	49 34	79, 134, 183, 202	0
66	T	145/146 (99%)	0.32	7 (4%)	36 24	71, 127, 175, 198	0
66	c8	145/146 (99%)	0.57	9 (6%)	28 18	99, 135, 181, 210	0
67	U	143/144 (99%)	0.37	5 (3%)	47 32	88, 126, 163, 175	0
67	c9	143/144 (99%)	0.70	10 (6%)	24 16	88, 132, 164, 185	0
68	V	107/121 (88%)	0.64	7 (6%)	26 17	77, 133, 191, 200	0
68	d0	110/121 (90%)	0.55	5 (4%)	39 25	88, 156, 200, 221	0
69	W	87/87 (100%)	0.21	1 (1%)	77 62	96, 129, 162, 189	0
69	d1	87/87 (100%)	0.07	1 (1%)	77 62	71, 110, 156, 176	0
70	X	129/130 (99%)	0.72	9 (6%)	24 16	80, 110, 134, 162	0
70	d2	129/130 (99%)	0.23	0	100 100	66, 91, 118, 141	0
71	Y	144/145 (99%)	0.98	19 (13%)	8 5	62, 93, 121, 149	0
71	d3	144/145 (99%)	0.44	4 (2%)	55 39	59, 82, 109, 155	0
72	Z	134/135 (99%)	0.52	5 (3%)	45 30	79, 122, 171, 211	0
72	d4	134/135 (99%)	0.51	9 (6%)	25 17	69, 106, 148, 173	0
73	a	70/108 (64%)	0.46	4 (5%)	30 19	99, 160, 196, 215	0
73	d5	69/108 (63%)	0.58	6 (8%)	17 12	117, 158, 192, 203	0
74	b	97/119 (81%)	1.31	23 (23%)	2 2	83, 123, 187, 223	0
74	d6	97/119 (81%)	0.74	11 (11%)	11 8	66, 96, 144, 177	0
75	c	81/82 (98%)	0.24	2 (2%)	58 42	80, 127, 180, 205	0
75	d7	81/82 (98%)	0.11	2 (2%)	58 42	70, 116, 178, 202	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
76	d	63/67 (94%)	0.38	3 (4%) 36 24	84, 146, 178, 207	0
76	d8	63/67 (94%)	1.04	11 (17%) 5 3	106, 155, 194, 231	0
77	d9	53/56 (94%)	0.97	4 (7%) 22 15	89, 115, 175, 196	0
77	e	53/56 (94%)	1.20	8 (15%) 6 4	79, 107, 137, 194	0
78	e0	62/63 (98%)	0.41	4 (6%) 26 17	83, 118, 170, 210	0
78	f	60/63 (95%)	0.38	2 (3%) 49 34	83, 119, 183, 202	0
79	e1	51/152 (33%)	0.88	1 (1%) 64 49	150, 184, 233, 248	0
79	g	71/152 (46%)	1.11	15 (21%) 3 2	115, 164, 199, 215	0
80	Rb	318/319 (99%)	0.63	25 (7%) 20 14	113, 162, 197, 217	0
80	h	318/319 (99%)	0.35	15 (4%) 37 24	89, 139, 181, 205	0
81	c7	117/136 (86%)	0.23	3 (2%) 57 41	88, 128, 171, 206	0
All	All	33026/35569 (92%)	0.28	1326 (4%) 43 28	47, 95, 178, 314	0

The worst 5 of 1326 RSRZ outliers are listed below:

Mol	Chain	Res	Type	RSRZ
59	c1	4	GLU	10.2
53	s5	153	GLY	7.7
59	c1	3	THR	7.3
25	CY	43	ARG	7.3
22	CV	86	GLU	6.7

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
83	MG	A	2084	1/1	0.32	0.18	122,122,122,122	0
83	MG	AS	222	1/1	0.41	0.14	77,77,77,77	0
83	MG	sR	2139	1/1	0.43	0.16	100,100,100,100	0
83	MG	AR	3942	1/1	0.45	0.22	99,99,99,99	0
83	MG	AR	3718	1/1	0.45	0.21	73,73,73,73	0
83	MG	sR	2189	1/1	0.47	0.25	103,103,103,103	0
83	MG	1	4024	1/1	0.50	0.31	69,69,69,69	0
83	MG	CR	204	1/1	0.51	0.30	140,140,140,140	0
83	MG	1	4009	1/1	0.51	0.43	102,102,102,102	0
83	MG	AR	3859	1/1	0.52	0.25	73,73,73,73	0
83	MG	s	300	1/1	0.56	0.16	94,94,94,94	0
83	MG	sR	2037	1/1	0.56	0.26	89,89,89,89	0
83	MG	A	2085	1/1	0.57	0.24	97,97,97,97	0
83	MG	A	2037	1/1	0.57	0.24	90,90,90,90	0
83	MG	A	2039	1/1	0.57	0.12	113,113,113,113	0
83	MG	AR	3878	1/1	0.57	0.25	61,61,61,61	0
83	MG	AR	3961	1/1	0.58	0.14	86,86,86,86	0
82	OHX	1	4118	7/7	0.58	0.27	141,144,153,265	0
83	MG	A	2012	1/1	0.59	0.25	71,71,71,71	0
83	MG	1	3903	1/1	0.59	0.24	72,72,72,72	0
83	MG	CF	401	1/1	0.60	0.25	49,49,49,49	0
83	MG	AR	3928	1/1	0.60	0.26	97,97,97,97	0
83	MG	A	2049	1/1	0.60	0.22	90,90,90,90	0
83	MG	AR	3850	1/1	0.60	0.14	75,75,75,75	0
83	MG	1	3797	1/1	0.61	0.21	84,84,84,84	0
83	MG	1	4000	1/1	0.61	0.24	95,95,95,95	0
83	MG	AR	4013	1/1	0.61	0.34	90,90,90,90	0
83	MG	AR	4079	1/1	0.61	0.36	82,82,82,82	0
83	MG	AR	3893	1/1	0.62	0.30	99,99,99,99	0
83	MG	sR	2141	1/1	0.62	0.10	81,81,81,81	0
83	MG	1	3876	1/1	0.62	0.28	71,71,71,71	0
83	MG	1	3710	1/1	0.63	0.20	52,52,52,52	0
83	MG	CR	205	1/1	0.63	0.19	90,90,90,90	0
83	MG	AR	3940	1/1	0.64	0.11	76,76,76,76	0
83	MG	A	1985	1/1	0.64	0.18	79,79,79,79	0
83	MG	sR	2041	1/1	0.65	0.19	71,71,71,71	0
83	MG	sR	2056	1/1	0.65	0.21	84,84,84,84	0
83	MG	AR	3788	1/1	0.65	0.26	73,73,73,73	0
83	MG	AR	4070	1/1	0.65	0.27	100,100,100,100	0
83	MG	AR	4007	1/1	0.65	0.45	90,90,90,90	0
82	OHX	1	4145	7/7	0.66	0.14	216,230,238,336	0
83	MG	AR	3916	1/1	0.66	0.15	77,77,77,77	0
83	MG	A	2045	1/1	0.66	0.11	79,79,79,79	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
83	MG	sR	2120	1/1	0.66	0.15	60,60,60,60	0
82	OHX	AR	4154	7/7	0.66	0.14	188,198,207,310	0
83	MG	A	2002	1/1	0.66	0.19	94,94,94,94	0
83	MG	1	3965	1/1	0.66	0.32	90,90,90,90	0
83	MG	1	4038	1/1	0.67	0.17	72,72,72,72	0
83	MG	AR	3987	1/1	0.67	0.21	89,89,89,89	0
83	MG	sR	2116	1/1	0.67	0.18	88,88,88,88	0
83	MG	A	2060	1/1	0.67	0.20	94,94,94,94	0
83	MG	AR	3776	1/1	0.67	0.19	48,48,48,48	0
83	MG	1	3920	1/1	0.67	0.30	84,84,84,84	0
83	MG	AR	3817	1/1	0.67	0.24	48,48,48,48	0
83	MG	AR	4017	1/1	0.68	0.17	84,84,84,84	0
83	MG	A	2030	1/1	0.68	0.12	108,108,108,108	0
83	MG	CO	201	1/1	0.68	0.20	91,91,91,91	0
82	OHX	1	4146	7/7	0.68	0.13	259,262,267,335	0
83	MG	sR	2091	1/1	0.68	0.21	92,92,92,92	0
83	MG	AR	3684	1/1	0.68	0.32	46,46,46,46	0
83	MG	AR	4127	1/1	0.68	0.25	87,87,87,87	0
83	MG	A	1992	1/1	0.68	0.35	90,90,90,90	0
83	MG	A	2062	1/1	0.68	0.24	86,86,86,86	0
83	MG	sR	2144	1/1	0.68	0.15	88,88,88,88	0
82	OHX	A	2141	7/7	0.68	0.15	203,208,221,316	0
83	MG	1	3808	1/1	0.69	0.20	59,59,59,59	0
83	MG	AR	4077	1/1	0.69	0.23	76,76,76,76	0
82	OHX	1	4141	7/7	0.69	0.12	222,234,247,330	0
83	MG	AR	4103	1/1	0.69	0.26	70,70,70,70	0
83	MG	A	2038	1/1	0.69	0.29	85,85,85,85	0
83	MG	b	202	1/1	0.69	0.25	92,92,92,92	0
83	MG	AR	3699	1/1	0.69	0.24	67,67,67,67	0
83	MG	sR	2188	1/1	0.69	0.13	98,98,98,98	0
82	OHX	AR	3663	7/7	0.69	0.11	193,198,213,299	0
82	OHX	1	4153	7/7	0.70	0.16	167,171,174,238	7
83	MG	1	3704	1/1	0.70	0.23	81,81,81,81	0
83	MG	AR	4005	1/1	0.70	0.24	86,86,86,86	0
83	MG	x	206	1/1	0.70	0.22	95,95,95,95	0
83	MG	sR	2112	1/1	0.70	0.14	89,89,89,89	0
83	MG	1	3856	1/1	0.70	0.21	88,88,88,88	0
83	MG	1	4001	1/1	0.70	0.24	79,79,79,79	0
82	OHX	AR	3635	7/7	0.70	0.20	143,160,193,285	0
83	MG	AR	3719	1/1	0.70	0.25	62,62,62,62	0
83	MG	sR	2143	1/1	0.70	0.16	72,72,72,72	0
83	MG	1	3746	1/1	0.70	0.26	57,57,57,57	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
83	MG	1	4037	1/1	0.70	0.28	85,85,85,85	0
83	MG	A	2021	1/1	0.70	0.18	82,82,82,82	0
83	MG	sR	2070	1/1	0.71	0.23	79,79,79,79	0
83	MG	AR	4088	1/1	0.71	0.29	73,73,73,73	0
83	MG	1	3625	1/1	0.71	0.22	72,72,72,72	0
83	MG	1	3761	1/1	0.71	0.17	70,70,70,70	0
83	MG	AR	4009	1/1	0.71	0.23	73,73,73,73	0
83	MG	1	3671	1/1	0.71	0.20	82,82,82,82	0
83	MG	D	302	1/1	0.71	0.20	64,64,64,64	0
83	MG	AR	3825	1/1	0.71	0.24	49,49,49,49	0
82	OHX	A	1973	7/7	0.71	0.12	199,215,230,299	0
83	MG	sR	2161	1/1	0.71	0.27	92,92,92,92	0
82	OHX	1	3601	7/7	0.71	0.13	177,183,217,304	0
83	MG	1	4046	1/1	0.71	0.22	78,78,78,78	0
83	MG	s2	301	1/1	0.71	0.14	61,61,61,61	0
83	MG	1	3769	1/1	0.72	0.30	55,55,55,55	0
83	MG	1	3970	1/1	0.72	0.22	101,101,101,101	0
83	MG	sR	2151	1/1	0.72	0.25	128,128,128,128	0
83	MG	1	3883	1/1	0.72	0.14	88,88,88,88	0
83	MG	1	3855	1/1	0.72	0.29	75,75,75,75	0
83	MG	1	3678	1/1	0.72	0.16	59,59,59,59	0
83	MG	1	3942	1/1	0.72	0.31	83,83,83,83	0
83	MG	A	2068	1/1	0.73	0.21	94,94,94,94	0
83	MG	1	3736	1/1	0.73	0.21	62,62,62,62	0
83	MG	AR	4059	1/1	0.73	0.21	75,75,75,75	0
83	MG	A	2159	1/1	0.73	0.24	87,87,87,87	0
83	MG	A	1986	1/1	0.73	0.15	70,70,70,70	0
83	MG	F	301	1/1	0.73	0.18	73,73,73,73	0
83	MG	AR	4061	1/1	0.73	0.18	87,87,87,87	0
83	MG	A	1994	1/1	0.73	0.16	52,52,52,52	0
83	MG	1	4035	1/1	0.73	0.17	70,70,70,70	0
83	MG	A	2004	1/1	0.73	0.24	69,69,69,69	0
83	MG	1	3962	1/1	0.73	0.23	67,67,67,67	0
82	OHX	sR	2181	7/7	0.73	0.11	204,210,219,318	0
83	MG	sR	2104	1/1	0.73	0.13	75,75,75,75	0
83	MG	A	2023	1/1	0.73	0.18	89,89,89,89	0
83	MG	A	2029	1/1	0.73	0.14	91,91,91,91	0
82	OHX	AR	3662	7/7	0.73	0.14	191,195,217,316	0
83	MG	A	2034	1/1	0.73	0.21	74,74,74,74	0
83	MG	AR	4101	1/1	0.73	0.34	87,87,87,87	0
83	MG	AR	3979	1/1	0.73	0.34	69,69,69,69	0
83	MG	3	212	1/1	0.73	0.16	61,61,61,61	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
83	MG	1	3996	1/1	0.73	0.27	77,77,77,77	0
83	MG	1	3907	1/1	0.73	0.13	71,71,71,71	0
83	MG	A	2053	1/1	0.73	0.22	80,80,80,80	0
83	MG	1	3910	1/1	0.73	0.19	54,54,54,54	0
82	OHX	sR	2025	7/7	0.73	0.12	235,236,247,328	0
83	MG	sR	2101	1/1	0.74	0.15	77,77,77,77	0
83	MG	1	3825	1/1	0.74	0.19	68,68,68,68	0
83	MG	AR	3862	1/1	0.74	0.20	115,115,115,115	0
83	MG	1	3971	1/1	0.74	0.20	80,80,80,80	0
83	MG	AG	201	1/1	0.74	0.12	78,78,78,78	0
83	MG	AR	3894	1/1	0.74	0.30	78,78,78,78	0
82	OHX	AR	3664	7/7	0.74	0.14	219,223,230,341	0
83	MG	AR	3919	1/1	0.74	0.16	47,47,47,47	0
83	MG	3	216	1/1	0.74	0.13	90,90,90,90	0
83	MG	AR	4032	1/1	0.74	0.35	84,84,84,84	0
83	MG	sR	2160	1/1	0.74	0.32	80,80,80,80	0
83	MG	sR	2065	1/1	0.74	0.19	61,61,61,61	0
83	MG	AR	3702	1/1	0.74	0.27	61,61,61,61	0
83	MG	sR	2089	1/1	0.74	0.24	88,88,88,88	0
83	MG	AR	3709	1/1	0.74	0.24	77,77,77,77	0
83	MG	1	3888	1/1	0.75	0.32	100,100,100,100	0
83	MG	AR	4102	1/1	0.75	0.21	70,70,70,70	0
82	OHX	AR	3632	7/7	0.75	0.14	180,203,230,310	0
83	MG	1	3904	1/1	0.75	0.29	70,70,70,70	0
83	MG	AR	3990	1/1	0.75	0.33	74,74,74,74	0
83	MG	AS	223	1/1	0.75	0.10	73,73,73,73	0
82	OHX	A	2125	7/7	0.75	0.15	190,194,208,296	0
83	MG	1	3723	1/1	0.75	0.26	45,45,45,45	0
83	MG	CP	305	1/1	0.75	0.14	73,73,73,73	0
83	MG	1	3656	1/1	0.75	0.20	64,64,64,64	0
83	MG	1	4022	1/1	0.75	0.30	70,70,70,70	0
83	MG	sR	2125	1/1	0.75	0.24	72,72,72,72	0
83	MG	A	2061	1/1	0.75	0.12	75,75,75,75	0
83	MG	AR	3685	1/1	0.75	0.17	55,55,55,55	0
83	MG	1	3926	1/1	0.75	0.15	71,71,71,71	0
83	MG	1	4031	1/1	0.75	0.42	86,86,86,86	0
82	OHX	1	4154	7/7	0.75	0.11	218,222,231,326	0
83	MG	AR	3712	1/1	0.75	0.26	90,90,90,90	0
83	MG	1	3677	1/1	0.75	0.22	83,83,83,83	0
82	OHX	AR	4163	7/7	0.75	0.18	143,147,151,216	7
83	MG	A	2014	1/1	0.75	0.27	66,66,66,66	0
83	MG	AR	3741	1/1	0.75	0.23	63,63,63,63	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
83	MG	sR	2048	1/1	0.76	0.20	58,58,58,58	0
82	OHX	AR	3661	7/7	0.76	0.16	179,187,199,306	0
83	MG	AR	4078	1/1	0.76	0.24	60,60,60,60	0
82	OHX	sR	2175	7/7	0.76	0.12	202,212,219,315	0
83	MG	sR	2084	1/1	0.76	0.18	97,97,97,97	0
83	MG	AR	3866	1/1	0.76	0.19	65,65,65,65	0
83	MG	1	4028	1/1	0.76	0.20	49,49,49,49	0
83	MG	sR	2100	1/1	0.76	0.16	100,100,100,100	0
83	MG	A	2000	1/1	0.76	0.20	73,73,73,73	0
82	OHX	1	4142	7/7	0.76	0.15	183,190,207,327	0
83	MG	AR	3753	1/1	0.76	0.26	65,65,65,65	0
83	MG	A	2006	1/1	0.76	0.24	86,86,86,86	0
83	MG	A	2070	1/1	0.76	0.17	66,66,66,66	0
83	MG	sR	2123	1/1	0.76	0.18	66,66,66,66	0
83	MG	A	2083	1/1	0.76	0.18	112,112,112,112	0
83	MG	AR	4011	1/1	0.76	0.29	68,68,68,68	0
83	MG	AS	219	1/1	0.76	0.29	62,62,62,62	0
83	MG	1	3613	1/1	0.76	0.27	67,67,67,67	0
83	MG	1	3691	1/1	0.76	0.26	87,87,87,87	0
83	MG	sR	2149	1/1	0.76	0.29	53,53,53,53	0
83	MG	AR	3792	1/1	0.76	0.25	48,48,48,48	0
83	MG	sR	2156	1/1	0.76	0.27	85,85,85,85	0
83	MG	1	3622	1/1	0.76	0.19	52,52,52,52	0
83	MG	sR	1902	1/1	0.76	0.19	83,83,83,83	0
83	MG	sR	2035	1/1	0.76	0.22	95,95,95,95	0
82	OHX	AR	3657	7/7	0.76	0.15	246,255,276,392	0
83	MG	1	4012	1/1	0.76	0.15	63,63,63,63	0
83	MG	AR	3860	1/1	0.77	0.15	63,63,63,63	0
83	MG	1	3755	1/1	0.77	0.28	94,94,94,94	0
82	OHX	A	2140	7/7	0.77	0.23	195,209,215,324	0
83	MG	DO	201	1/1	0.77	0.14	71,71,71,71	0
83	MG	AR	3705	1/1	0.77	0.23	47,47,47,47	0
83	MG	1	3969	1/1	0.77	0.14	76,76,76,76	0
83	MG	A	1990	1/1	0.77	0.23	80,80,80,80	0
82	OHX	z	202	7/7	0.77	0.10	162,166,170,226	7
83	MG	1	3901	1/1	0.77	0.13	86,86,86,86	0
83	MG	1	3977	1/1	0.77	0.14	96,96,96,96	0
83	MG	sR	2124	1/1	0.77	0.14	54,54,54,54	0
83	MG	1	4052	1/1	0.77	0.25	62,62,62,62	0
83	MG	AR	3752	1/1	0.77	0.18	69,69,69,69	0
83	MG	1	3787	1/1	0.77	0.30	46,46,46,46	0
82	OHX	sR	1999	7/7	0.77	0.15	181,192,213,301	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
83	MG	AR	3964	1/1	0.77	0.49	75,75,75,75	0
82	OHX	sR	2021	7/7	0.77	0.14	212,242,247,335	0
83	MG	AR	4105	1/1	0.77	0.29	80,80,80,80	0
83	MG	1	3822	1/1	0.77	0.21	87,87,87,87	0
82	OHX	1	4143	7/7	0.77	0.14	184,210,220,309	0
83	MG	AR	4002	1/1	0.77	0.24	73,73,73,73	0
83	MG	AI	201	1/1	0.77	0.18	74,74,74,74	0
82	OHX	1	4149	7/7	0.77	0.19	134,145,156,203	7
82	OHX	sR	2178	7/7	0.77	0.11	198,210,226,310	0
83	MG	d4	203	1/1	0.77	0.10	83,83,83,83	0
84	K	j	303	1/1	0.77	0.39	111,111,111,111	0
83	MG	AR	3848	1/1	0.78	0.15	59,59,59,59	0
83	MG	AR	3937	1/1	0.78	0.16	68,68,68,68	0
83	MG	AR	3734	1/1	0.78	0.15	62,62,62,62	0
83	MG	AS	218	1/1	0.78	0.24	88,88,88,88	0
83	MG	AR	3941	1/1	0.78	0.28	59,59,59,59	0
83	MG	A	2094	1/1	0.78	0.33	79,79,79,79	0
83	MG	A	2097	1/1	0.78	0.28	80,80,80,80	0
83	MG	AR	3737	1/1	0.78	0.15	77,77,77,77	0
83	MG	AR	4053	1/1	0.78	0.19	64,64,64,64	0
83	MG	sR	2126	1/1	0.78	0.23	68,68,68,68	0
83	MG	AS	228	1/1	0.78	0.30	76,76,76,76	0
83	MG	1	3727	1/1	0.78	0.32	71,71,71,71	0
82	OHX	sR	2024	7/7	0.78	0.14	212,212,237,322	0
83	MG	AR	4068	1/1	0.78	0.27	86,86,86,86	0
83	MG	sR	2145	1/1	0.78	0.21	84,84,84,84	0
82	OHX	AR	3669	6/7	0.78	0.12	157,176,185,285	0
83	MG	sR	2040	1/1	0.78	0.29	80,80,80,80	0
83	MG	1	3749	1/1	0.78	0.26	47,47,47,47	0
83	MG	sR	2158	1/1	0.78	0.20	64,64,64,64	0
83	MG	DD	101	1/1	0.78	0.17	51,51,51,51	0
82	OHX	AR	3552	7/7	0.78	0.17	122,141,148,243	0
83	MG	AR	3999	1/1	0.78	0.22	85,85,85,85	0
82	OHX	3	206	7/7	0.78	0.11	194,196,207,290	0
83	MG	AR	4094	1/1	0.78	0.17	72,72,72,72	0
83	MG	i	301	1/1	0.78	0.20	60,60,60,60	0
83	MG	1	3931	1/1	0.78	0.12	64,64,64,64	0
83	MG	1	4033	1/1	0.79	0.24	65,65,65,65	0
83	MG	AR	3761	1/1	0.79	0.20	57,57,57,57	0
83	MG	AT	226	1/1	0.79	0.23	60,60,60,60	0
82	OHX	AR	4157	7/7	0.79	0.14	194,204,218,308	0
83	MG	A	2042	1/1	0.79	0.15	87,87,87,87	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
83	MG	CI	301	1/1	0.79	0.17	61,61,61,61	0
83	MG	AR	4056	1/1	0.79	0.21	86,86,86,86	0
83	MG	A	2051	1/1	0.79	0.18	59,59,59,59	0
82	OHX	3	222	7/7	0.79	0.10	189,197,214,301	0
82	OHX	sR	1996	7/7	0.79	0.13	176,192,211,292	0
82	OHX	A	1963	7/7	0.79	0.16	211,216,222,304	0
83	MG	1	3949	1/1	0.79	0.20	63,63,63,63	0
83	MG	A	2064	1/1	0.79	0.15	81,81,81,81	0
83	MG	AR	3963	1/1	0.79	0.14	74,74,74,74	0
83	MG	AR	3829	1/1	0.79	0.33	46,46,46,46	0
83	MG	A	2071	1/1	0.79	0.14	76,76,76,76	0
83	MG	sR	2132	1/1	0.79	0.33	80,80,80,80	0
83	MG	sR	2138	1/1	0.79	0.21	86,86,86,86	0
83	MG	AR	3965	1/1	0.79	0.23	65,65,65,65	0
83	MG	1	4159	1/1	0.79	0.17	73,73,73,73	0
83	MG	AR	4089	1/1	0.79	0.27	75,75,75,75	0
82	OHX	AR	4153	7/7	0.79	0.14	187,197,211,324	0
83	MG	AR	3714	1/1	0.79	0.20	60,60,60,60	0
83	MG	1	4020	1/1	0.79	0.40	52,52,52,52	0
83	MG	sR	2150	1/1	0.79	0.28	64,64,64,64	0
82	OHX	sR	2022	7/7	0.79	0.11	225,230,246,348	0
83	MG	AR	3731	1/1	0.79	0.16	63,63,63,63	0
83	MG	Y	201	1/1	0.79	0.13	60,60,60,60	0
83	MG	v	305	1/1	0.79	0.20	76,76,76,76	0
83	MG	AR	4188	1/1	0.79	0.11	102,102,102,102	0
83	MG	AS	212	1/1	0.79	0.16	73,73,73,73	0
83	MG	1	3836	1/1	0.79	0.27	80,80,80,80	0
83	MG	1	3837	1/1	0.79	0.19	88,88,88,88	0
83	MG	c8	202	1/1	0.79	0.24	90,90,90,90	0
82	OHX	AR	3659	7/7	0.79	0.11	227,244,262,365	0
83	MG	A	2033	1/1	0.79	0.17	81,81,81,81	0
84	K	sR	2182	1/1	0.79	0.36	146,146,146,146	0
83	MG	sR	2073	1/1	0.80	0.24	58,58,58,58	0
83	MG	AR	3722	1/1	0.80	0.18	50,50,50,50	0
83	MG	AR	3727	1/1	0.80	0.23	69,69,69,69	0
83	MG	AR	3877	1/1	0.80	0.17	72,72,72,72	0
83	MG	1	3815	1/1	0.80	0.23	57,57,57,57	0
83	MG	AR	4012	1/1	0.80	0.24	87,87,87,87	0
83	MG	sR	2102	1/1	0.80	0.16	75,75,75,75	0
83	MG	1	4023	1/1	0.80	0.25	50,50,50,50	0
83	MG	1	3963	1/1	0.80	0.13	61,61,61,61	0
83	MG	AR	4026	1/1	0.80	0.20	74,74,74,74	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
83	MG	6	202	1/1	0.80	0.11	86,86,86,86	0
83	MG	AR	4042	1/1	0.80	0.12	48,48,48,48	0
82	OHX	sR	2011	7/7	0.80	0.11	232,247,262,320	0
82	OHX	sR	2013	7/7	0.80	0.11	225,235,242,338	0
83	MG	CR	208	1/1	0.80	0.17	73,73,73,73	0
83	MG	1	3752	1/1	0.80	0.26	56,56,56,56	0
83	MG	1	3610	1/1	0.80	0.17	60,60,60,60	0
83	MG	AR	4063	1/1	0.80	0.23	80,80,80,80	0
82	OHX	AR	4156	7/7	0.80	0.12	172,178,193,301	0
82	OHX	1	4134	7/7	0.80	0.12	186,187,195,310	0
83	MG	AR	3948	1/1	0.80	0.17	74,74,74,74	0
83	MG	AR	3959	1/1	0.80	0.14	69,69,69,69	0
82	OHX	1	4106	7/7	0.80	0.20	154,167,185,301	0
83	MG	AR	3824	1/1	0.80	0.18	47,47,47,47	0
83	MG	1	3938	1/1	0.80	0.19	78,78,78,78	0
83	MG	1	4068	1/1	0.80	0.27	72,72,72,72	0
82	OHX	1	4108	7/7	0.80	0.11	220,224,236,318	0
83	MG	1	3947	1/1	0.80	0.14	68,68,68,68	0
83	MG	AR	3988	1/1	0.80	0.17	61,61,61,61	0
82	OHX	1	3574	7/7	0.80	0.12	190,198,221,292	0
83	MG	AR	4122	1/1	0.80	0.22	78,78,78,78	0
83	MG	4	220	1/1	0.80	0.11	77,77,77,77	0
83	MG	s9	201	1/1	0.80	0.29	76,76,76,76	0
83	MG	sR	2053	1/1	0.80	0.12	62,62,62,62	0
83	MG	AR	4185	1/1	0.80	0.09	123,123,123,123	0
83	MG	AR	3861	1/1	0.80	0.25	66,66,66,66	0
83	MG	AR	4004	1/1	0.80	0.16	70,70,70,70	0
82	OHX	1	4140	7/7	0.81	0.10	238,246,255,348	0
83	MG	1	3657	1/1	0.81	0.19	54,54,54,54	0
83	MG	sR	2058	1/1	0.81	0.44	83,83,83,83	0
83	MG	A	2026	1/1	0.81	0.24	85,85,85,85	0
83	MG	1	3936	1/1	0.81	0.20	48,48,48,48	0
83	MG	1	3881	1/1	0.81	0.20	89,89,89,89	0
83	MG	AS	211	1/1	0.81	0.14	49,49,49,49	0
83	MG	AR	3762	1/1	0.81	0.21	60,60,60,60	0
83	MG	AR	3930	1/1	0.81	0.10	96,96,96,96	0
83	MG	AR	4022	1/1	0.81	0.24	84,84,84,84	0
83	MG	1	3667	1/1	0.81	0.24	60,60,60,60	0
83	MG	1	4054	1/1	0.81	0.22	77,77,77,77	0
83	MG	1	3886	1/1	0.81	0.20	106,106,106,106	0
83	MG	sR	2110	1/1	0.81	0.25	69,69,69,69	0
83	MG	AR	4051	1/1	0.81	0.19	62,62,62,62	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
83	MG	A	2050	1/1	0.81	0.15	77,77,77,77	0
83	MG	AR	3804	1/1	0.81	0.30	51,51,51,51	0
83	MG	1	4013	1/1	0.81	0.19	47,47,47,47	0
83	MG	1	3734	1/1	0.81	0.29	71,71,71,71	0
83	MG	AR	3960	1/1	0.81	0.19	64,64,64,64	0
83	MG	CR	201	1/1	0.81	0.15	109,109,109,109	0
82	OHX	A	2130	7/7	0.81	0.12	238,242,260,344	0
83	MG	AR	4065	1/1	0.81	0.19	63,63,63,63	0
82	OHX	AR	3578	7/7	0.81	0.13	140,142,171,259	0
83	MG	AR	3839	1/1	0.81	0.26	64,64,64,64	0
82	OHX	1	3554	7/7	0.81	0.16	154,175,182,280	0
83	MG	t	201	1/1	0.81	0.26	79,79,79,79	0
83	MG	AR	3980	1/1	0.81	0.21	79,79,79,79	0
82	OHX	sR	1995	7/7	0.81	0.10	233,246,257,341	0
83	MG	A	2096	1/1	0.81	0.20	94,94,94,94	0
83	MG	x	202	1/1	0.81	0.26	105,105,105,105	0
83	MG	sR	2153	1/1	0.81	0.20	76,76,76,76	0
83	MG	sR	2154	1/1	0.81	0.25	66,66,66,66	0
83	MG	AR	4090	1/1	0.81	0.25	51,51,51,51	0
83	MG	AR	4091	1/1	0.81	0.24	53,53,53,53	0
83	MG	AR	3728	1/1	0.81	0.18	69,69,69,69	0
83	MG	A	2003	1/1	0.81	0.35	60,60,60,60	0
83	MG	sR	2163	1/1	0.81	0.18	69,69,69,69	0
83	MG	1	3694	1/1	0.81	0.15	86,86,86,86	0
83	MG	A	2005	1/1	0.81	0.18	59,59,59,59	0
83	MG	sR	2033	1/1	0.81	0.16	76,76,76,76	0
83	MG	s8	302	1/1	0.81	0.22	69,69,69,69	0
83	MG	6	201	1/1	0.81	0.23	55,55,55,55	0
83	MG	A	2007	1/1	0.81	0.25	78,78,78,78	0
83	MG	1	3652	1/1	0.81	0.15	54,54,54,54	0
83	MG	AR	3740	1/1	0.81	0.09	68,68,68,68	0
83	MG	A	2017	1/1	0.81	0.25	69,69,69,69	0
82	OHX	AR	3666	7/7	0.82	0.11	213,224,234,323	0
83	MG	1	4055	1/1	0.82	0.25	70,70,70,70	0
83	MG	1	3849	1/1	0.82	0.22	69,69,69,69	0
82	OHX	AS	208	7/7	0.82	0.12	189,201,221,304	0
83	MG	1	3631	1/1	0.82	0.21	89,89,89,89	0
83	MG	sR	2059	1/1	0.82	0.20	81,81,81,81	0
83	MG	AR	3944	1/1	0.82	0.12	72,72,72,72	0
83	MG	sR	2068	1/1	0.82	0.17	75,75,75,75	0
83	MG	AR	3750	1/1	0.82	0.12	66,66,66,66	0
83	MG	1	3738	1/1	0.82	0.27	75,75,75,75	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
83	MG	sR	2074	1/1	0.82	0.36	73,73,73,73	0
83	MG	sR	2080	1/1	0.82	0.26	64,64,64,64	0
82	OHX	AT	234	7/7	0.82	0.11	183,190,217,317	0
83	MG	4	223	1/1	0.82	0.17	69,69,69,69	0
82	OHX	AR	3667	7/7	0.82	0.14	186,206,226,342	0
83	MG	1	3979	1/1	0.82	0.26	59,59,59,59	0
83	MG	1	3750	1/1	0.82	0.28	46,46,46,46	0
83	MG	AR	3972	1/1	0.82	0.08	66,66,66,66	0
83	MG	A	2035	1/1	0.82	0.23	84,84,84,84	0
82	OHX	AR	3588	7/7	0.82	0.18	191,199,209,345	0
83	MG	AR	3798	1/1	0.82	0.23	45,45,45,45	0
82	OHX	A	1976	7/7	0.82	0.11	198,201,219,281	0
83	MG	1	4003	1/1	0.82	0.19	46,46,46,46	0
83	MG	A	2044	1/1	0.82	0.27	89,89,89,89	0
82	OHX	AR	4145	7/7	0.82	0.12	176,178,193,295	0
83	MG	1	4011	1/1	0.82	0.11	57,57,57,57	0
82	OHX	sR	2172	7/7	0.82	0.16	155,164,178,268	0
83	MG	1	3771	1/1	0.82	0.23	47,47,47,47	0
83	MG	AR	3845	1/1	0.82	0.07	63,63,63,63	0
82	OHX	AR	4151	7/7	0.82	0.15	214,221,230,313	0
83	MG	AT	225	1/1	0.82	0.36	55,55,55,55	0
83	MG	AR	3849	1/1	0.82	0.10	54,54,54,54	0
83	MG	1	3791	1/1	0.82	0.15	57,57,57,57	0
83	MG	CG	301	1/1	0.82	0.29	52,52,52,52	0
83	MG	AR	3686	1/1	0.82	0.10	78,78,78,78	0
82	OHX	sR	2177	7/7	0.82	0.10	224,228,236,317	0
82	OHX	AR	3601	7/7	0.82	0.16	115,138,154,256	0
83	MG	1	3702	1/1	0.82	0.25	48,48,48,48	0
83	MG	AR	4025	1/1	0.82	0.13	78,78,78,78	0
82	OHX	1	4120	7/7	0.82	0.12	162,171,200,283	0
83	MG	AR	3872	1/1	0.82	0.17	65,65,65,65	0
82	OHX	1	4122	7/7	0.82	0.13	161,168,195,292	0
83	MG	1	4034	1/1	0.82	0.29	78,78,78,78	0
83	MG	D	301	1/1	0.82	0.20	65,65,65,65	0
83	MG	AR	4052	1/1	0.82	0.13	78,78,78,78	0
83	MG	AR	3880	1/1	0.82	0.08	51,51,51,51	0
83	MG	1	3943	1/1	0.82	0.15	84,84,84,84	0
83	MG	1	3831	1/1	0.82	0.25	56,56,56,56	0
83	MG	1	3948	1/1	0.82	0.16	71,71,71,71	0
83	MG	A	1995	1/1	0.82	0.28	64,64,64,64	0
83	MG	AR	3918	1/1	0.82	0.09	66,66,66,66	0
83	MG	d5	201	1/1	0.82	0.17	94,94,94,94	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
83	MG	d9	102	1/1	0.82	0.09	100,100,100,100	0
82	OHX	1	4124	7/7	0.82	0.15	132,136,141,244	0
83	MG	1	3953	1/1	0.82	0.26	76,76,76,76	0
82	OHX	sR	2019	7/7	0.83	0.12	199,200,229,308	0
83	MG	AR	3832	1/1	0.83	0.39	56,56,56,56	0
83	MG	A	2019	1/1	0.83	0.20	84,84,84,84	0
83	MG	sR	2062	1/1	0.83	0.26	60,60,60,60	0
83	MG	AR	3975	1/1	0.83	0.11	73,73,73,73	0
82	OHX	AR	4162	7/7	0.83	0.14	171,181,192,299	0
83	MG	AR	3842	1/1	0.83	0.38	49,49,49,49	0
83	MG	1	3633	1/1	0.83	0.18	87,87,87,87	0
83	MG	1	3635	1/1	0.83	0.33	61,61,61,61	0
83	MG	sR	2077	1/1	0.83	0.27	67,67,67,67	0
82	OHX	A	2137	7/7	0.83	0.11	203,207,212,298	0
83	MG	sR	2081	1/1	0.83	0.32	53,53,53,53	0
83	MG	AR	4187	1/1	0.83	0.10	94,94,94,94	0
83	MG	AR	3997	1/1	0.83	0.13	72,72,72,72	0
82	OHX	1	3585	7/7	0.83	0.16	143,161,168,288	0
82	OHX	AR	3643	7/7	0.83	0.13	169,181,207,299	0
83	MG	1	3662	1/1	0.83	0.26	73,73,73,73	0
82	OHX	A	2144	7/7	0.83	0.20	133,137,142,175	7
83	MG	sR	2103	1/1	0.83	0.08	84,84,84,84	0
83	MG	1	3754	1/1	0.83	0.33	58,58,58,58	0
83	MG	1	4063	1/1	0.83	0.12	84,84,84,84	0
83	MG	AR	3723	1/1	0.83	0.19	50,50,50,50	0
82	OHX	sR	1976	7/7	0.83	0.16	136,144,165,249	0
82	OHX	sR	1980	7/7	0.83	0.11	210,219,239,333	0
83	MG	CE	403	1/1	0.83	0.37	48,48,48,48	0
83	MG	1	3892	1/1	0.83	0.21	88,88,88,88	0
83	MG	CF	402	1/1	0.83	0.24	85,85,85,85	0
83	MG	AR	3890	1/1	0.83	0.31	75,75,75,75	0
83	MG	sR	2130	1/1	0.83	0.17	56,56,56,56	0
83	MG	A	2063	1/1	0.83	0.12	81,81,81,81	0
82	OHX	AR	3652	7/7	0.83	0.10	158,171,190,292	0
83	MG	3	217	1/1	0.83	0.16	95,95,95,95	0
83	MG	AR	4031	1/1	0.83	0.12	62,62,62,62	0
83	MG	1	3680	1/1	0.83	0.35	91,91,91,91	0
83	MG	A	2076	1/1	0.83	0.19	78,78,78,78	0
82	OHX	1	4105	7/7	0.83	0.09	190,194,218,314	0
83	MG	AR	4044	1/1	0.83	0.10	78,78,78,78	0
83	MG	1	3906	1/1	0.83	0.17	73,73,73,73	0
83	MG	A	2087	1/1	0.83	0.13	67,67,67,67	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
83	MG	AR	3925	1/1	0.83	0.27	79,79,79,79	0
83	MG	1	3789	1/1	0.83	0.37	47,47,47,47	0
83	MG	t	202	1/1	0.83	0.15	57,57,57,57	0
83	MG	AR	3934	1/1	0.83	0.13	94,94,94,94	0
83	MG	A	1987	1/1	0.83	0.32	56,56,56,56	0
82	OHX	s8	301	7/7	0.83	0.13	167,179,185,281	0
83	MG	1	3697	1/1	0.83	0.17	79,79,79,79	0
83	MG	AR	3772	1/1	0.83	0.12	62,62,62,62	0
83	MG	1	3925	1/1	0.83	0.29	70,70,70,70	0
82	OHX	AR	3665	7/7	0.83	0.11	189,203,222,316	0
83	MG	sR	2030	1/1	0.83	0.18	90,90,90,90	0
83	MG	1	3929	1/1	0.83	0.13	60,60,60,60	0
83	MG	AR	3953	1/1	0.83	0.22	66,66,66,66	0
82	OHX	4	229	7/7	0.83	0.13	185,200,206,312	0
82	OHX	AR	3660	7/7	0.83	0.10	199,210,226,315	0
83	MG	1	3824	1/1	0.83	0.14	62,62,62,62	0
83	MG	AR	3682	1/1	0.83	0.27	62,62,62,62	0
84	K	AR	4164	1/1	0.83	0.18	126,126,126,126	0
83	MG	1	3940	1/1	0.83	0.14	92,92,92,92	0
83	MG	1	3724	1/1	0.84	0.20	47,47,47,47	0
83	MG	AR	3957	1/1	0.84	0.07	68,68,68,68	0
83	MG	1	3826	1/1	0.84	0.20	67,67,67,67	0
83	MG	AR	3743	1/1	0.84	0.30	63,63,63,63	0
83	MG	AT	205	1/1	0.84	0.16	60,60,60,60	0
83	MG	AT	221	1/1	0.84	0.13	70,70,70,70	0
83	MG	1	3725	1/1	0.84	0.20	48,48,48,48	0
82	OHX	AR	4149	7/7	0.84	0.12	159,166,179,299	0
83	MG	1	3636	1/1	0.84	0.24	59,59,59,59	0
83	MG	1	3961	1/1	0.84	0.12	57,57,57,57	0
82	OHX	AS	209	7/7	0.84	0.11	163,183,198,276	0
83	MG	AR	3763	1/1	0.84	0.20	70,70,70,70	0
82	OHX	1	4133	7/7	0.84	0.11	194,197,206,307	0
83	MG	CK	202	1/1	0.84	0.27	70,70,70,70	0
83	MG	1	3739	1/1	0.84	0.17	54,54,54,54	0
83	MG	AR	3778	1/1	0.84	0.32	46,46,46,46	0
83	MG	AR	3781	1/1	0.84	0.35	60,60,60,60	0
83	MG	AR	3989	1/1	0.84	0.12	65,65,65,65	0
83	MG	1	3743	1/1	0.84	0.14	59,59,59,59	0
83	MG	sR	2057	1/1	0.84	0.23	78,78,78,78	0
83	MG	o	301	1/1	0.84	0.32	90,90,90,90	0
83	MG	1	3877	1/1	0.84	0.13	72,72,72,72	0
83	MG	AR	3801	1/1	0.84	0.16	58,58,58,58	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
83	MG	sM	302	1/1	0.84	0.16	64,64,64,64	0
83	MG	1	3880	1/1	0.84	0.15	62,62,62,62	0
83	MG	1	3973	1/1	0.84	0.17	71,71,71,71	0
83	MG	AR	3822	1/1	0.84	0.24	45,45,45,45	0
83	MG	AR	3823	1/1	0.84	0.28	67,67,67,67	0
82	OHX	A	2146	7/7	0.84	0.17	161,174,185,278	0
82	OHX	AT	235	7/7	0.84	0.13	140,148,153,220	7
83	MG	x	203	1/1	0.84	0.21	53,53,53,53	0
83	MG	1	3989	1/1	0.84	0.21	65,65,65,65	0
83	MG	AR	4020	1/1	0.84	0.10	117,117,117,117	0
83	MG	z	201	1/1	0.84	0.17	113,113,113,113	0
83	MG	sR	2099	1/1	0.84	0.15	74,74,74,74	0
82	OHX	CE	402	7/7	0.84	0.09	197,214,224,306	0
83	MG	1	3997	1/1	0.84	0.14	80,80,80,80	0
83	MG	AB	205	1/1	0.84	0.21	76,76,76,76	0
83	MG	1	3998	1/1	0.84	0.12	66,66,66,66	0
82	OHX	1	3549	7/7	0.84	0.12	167,173,184,276	0
83	MG	1	3673	1/1	0.84	0.26	81,81,81,81	0
83	MG	AR	3681	1/1	0.84	0.24	56,56,56,56	0
83	MG	A	2018	1/1	0.84	0.09	67,67,67,67	0
83	MG	1	3893	1/1	0.84	0.36	59,59,59,59	0
82	OHX	sR	2180	7/7	0.84	0.12	201,209,219,271	7
83	MG	A	2022	1/1	0.84	0.09	70,70,70,70	0
83	MG	1	3756	1/1	0.84	0.17	50,50,50,50	0
82	OHX	1	4139	7/7	0.84	0.12	179,184,201,306	0
83	MG	AR	3875	1/1	0.84	0.24	71,71,71,71	0
83	MG	AR	3687	1/1	0.84	0.33	66,66,66,66	0
83	MG	sR	2136	1/1	0.84	0.19	115,115,115,115	0
83	MG	AR	3698	1/1	0.84	0.12	88,88,88,88	0
82	OHX	s4	301	7/7	0.84	0.11	175,178,202,279	0
83	MG	AR	3701	1/1	0.84	0.16	72,72,72,72	0
83	MG	AR	3892	1/1	0.84	0.17	52,52,52,52	0
83	MG	1	4018	1/1	0.84	0.25	47,47,47,47	0
83	MG	1	3683	1/1	0.84	0.15	63,63,63,63	0
83	MG	AR	3899	1/1	0.84	0.17	70,70,70,70	0
83	MG	AR	3905	1/1	0.84	0.11	50,50,50,50	0
83	MG	AR	3707	1/1	0.84	0.27	47,47,47,47	0
83	MG	1	3908	1/1	0.84	0.17	83,83,83,83	0
83	MG	AR	4092	1/1	0.84	0.24	67,67,67,67	0
83	MG	1	3776	1/1	0.84	0.16	59,59,59,59	0
83	MG	AR	4096	1/1	0.84	0.30	47,47,47,47	0
83	MG	AR	3920	1/1	0.84	0.14	87,87,87,87	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
83	MG	AR	3921	1/1	0.84	0.18	59,59,59,59	0
83	MG	1	3686	1/1	0.84	0.23	84,84,84,84	0
82	OHX	1	3521	7/7	0.84	0.13	157,163,177,260	0
83	MG	AR	4110	1/1	0.84	0.28	46,46,46,46	0
83	MG	A	2065	1/1	0.84	0.23	56,56,56,56	0
82	OHX	1	4126	7/7	0.84	0.11	181,192,206,292	0
82	OHX	sR	2012	7/7	0.84	0.09	182,186,201,287	0
83	MG	c4	2202	1/1	0.84	0.11	64,64,64,64	0
83	MG	1	3806	1/1	0.84	0.17	51,51,51,51	0
83	MG	A	2072	1/1	0.84	0.11	75,75,75,75	0
82	OHX	1	4131	7/7	0.84	0.12	144,147,155,258	0
82	OHX	sR	2018	7/7	0.84	0.13	175,195,204,289	0
82	OHX	A	2135	7/7	0.84	0.10	222,226,236,296	0
83	MG	1	3941	1/1	0.84	0.24	56,56,56,56	0
82	OHX	AR	4146	7/7	0.84	0.11	160,172,195,285	0
87	ZN	d7	101	1/1	0.84	0.08	252,252,252,252	0
83	MG	sR	2027	1/1	0.85	0.24	55,55,55,55	0
83	MG	sR	2028	1/1	0.85	0.23	65,65,65,65	0
83	MG	r	301	1/1	0.85	0.08	51,51,51,51	0
83	MG	sR	2031	1/1	0.85	0.23	60,60,60,60	0
83	MG	AR	3915	1/1	0.85	0.09	55,55,55,55	0
83	MG	1	3882	1/1	0.85	0.12	74,74,74,74	0
82	OHX	AT	233	7/7	0.85	0.11	162,166,168,271	0
82	OHX	sR	2179	7/7	0.85	0.08	233,239,247,320	0
83	MG	AR	3755	1/1	0.85	0.22	47,47,47,47	0
83	MG	sR	2046	1/1	0.85	0.38	84,84,84,84	0
83	MG	AR	3758	1/1	0.85	0.10	51,51,51,51	0
83	MG	1	3679	1/1	0.85	0.20	72,72,72,72	0
82	OHX	1	3556	7/7	0.85	0.14	172,176,195,283	0
82	OHX	AR	4139	7/7	0.85	0.10	158,177,186,273	0
83	MG	AR	4067	1/1	0.85	0.23	72,72,72,72	0
82	OHX	AR	3653	7/7	0.85	0.12	175,186,209,315	0
82	OHX	CL	303	7/7	0.85	0.14	132,136,165,235	0
83	MG	1	3609	1/1	0.85	0.32	65,65,65,65	0
83	MG	sR	2067	1/1	0.85	0.30	52,52,52,52	0
83	MG	1	3696	1/1	0.85	0.17	67,67,67,67	0
82	OHX	sR	2001	7/7	0.85	0.12	192,195,213,288	0
83	MG	1	3698	1/1	0.85	0.12	64,64,64,64	0
83	MG	1	3804	1/1	0.85	0.14	46,46,46,46	0
82	OHX	1	3550	7/7	0.85	0.11	171,196,204,303	0
83	MG	sR	2079	1/1	0.85	0.21	53,53,53,53	0
83	MG	1	3703	1/1	0.85	0.18	60,60,60,60	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
83	MG	AR	3958	1/1	0.85	0.15	51,51,51,51	0
82	OHX	1	3504	7/7	0.85	0.18	125,127,141,250	0
83	MG	A	2020	1/1	0.85	0.11	66,66,66,66	0
83	MG	1	3623	1/1	0.85	0.27	59,59,59,59	0
83	MG	sR	2092	1/1	0.85	0.18	76,76,76,76	0
82	OHX	1	4151	7/7	0.85	0.13	175,176,189,295	0
83	MG	1	3629	1/1	0.85	0.22	59,59,59,59	0
82	OHX	1	3586	7/7	0.85	0.14	162,167,180,283	0
83	MG	A	2028	1/1	0.85	0.16	90,90,90,90	0
83	MG	AR	3826	1/1	0.85	0.14	49,49,49,49	0
83	MG	AR	4109	1/1	0.85	0.21	65,65,65,65	0
83	MG	1	3939	1/1	0.85	0.10	55,55,55,55	0
83	MG	1	3830	1/1	0.85	0.21	61,61,61,61	0
83	MG	AR	3976	1/1	0.85	0.28	57,57,57,57	0
83	MG	sR	2117	1/1	0.85	0.11	67,67,67,67	0
83	MG	AR	4134	1/1	0.85	0.13	70,70,70,70	0
83	MG	AR	4178	1/1	0.85	0.09	134,134,134,134	0
82	OHX	1	4127	7/7	0.85	0.11	152,165,169,278	0
83	MG	1	3832	1/1	0.85	0.16	65,65,65,65	0
83	MG	AR	3984	1/1	0.85	0.19	74,74,74,74	0
82	OHX	AR	3630	7/7	0.85	0.12	166,179,194,274	0
83	MG	A	2047	1/1	0.85	0.16	81,81,81,81	0
83	MG	sR	2133	1/1	0.85	0.33	90,90,90,90	0
83	MG	AR	3706	1/1	0.85	0.18	67,67,67,67	0
83	MG	AS	214	1/1	0.85	0.28	48,48,48,48	0
83	MG	1	4043	1/1	0.85	0.24	60,60,60,60	0
82	OHX	A	2136	7/7	0.85	0.12	177,185,201,271	0
83	MG	AR	3996	1/1	0.85	0.12	101,101,101,101	0
83	MG	1	3839	1/1	0.85	0.19	51,51,51,51	0
83	MG	AS	227	1/1	0.85	0.21	61,61,61,61	0
83	MG	AR	3998	1/1	0.85	0.12	51,51,51,51	0
83	MG	1	3843	1/1	0.85	0.31	74,74,74,74	0
83	MG	AT	219	1/1	0.85	0.13	65,65,65,65	0
83	MG	AR	3717	1/1	0.85	0.21	60,60,60,60	0
82	OHX	1	4155	7/7	0.85	0.16	139,143,149,205	7
82	OHX	1	3600	7/7	0.85	0.14	168,173,196,280	0
83	MG	AT	227	1/1	0.85	0.13	57,57,57,57	0
83	MG	A	2075	1/1	0.85	0.17	100,100,100,100	0
82	OHX	sR	2169	7/7	0.85	0.11	183,196,209,283	0
83	MG	CE	404	1/1	0.85	0.25	55,55,55,55	0
83	MG	sR	2168	1/1	0.85	0.16	66,66,66,66	0
83	MG	1	3866	1/1	0.85	0.14	56,56,56,56	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
83	MG	AR	3876	1/1	0.85	0.09	57,57,57,57	0
83	MG	1	4183	1/1	0.85	0.23	59,59,59,59	0
83	MG	A	2091	1/1	0.85	0.32	58,58,58,58	0
83	MG	1	3871	1/1	0.85	0.10	68,68,68,68	0
82	OHX	sR	2170	7/7	0.85	0.10	213,216,228,298	0
83	MG	c6	201	1/1	0.85	0.15	102,102,102,102	0
83	MG	CM	201	1/1	0.85	0.20	65,65,65,65	0
82	OHX	AR	3640	7/7	0.85	0.16	139,153,157,277	0
83	MG	CP	303	1/1	0.85	0.14	63,63,63,63	0
83	MG	AR	3735	1/1	0.85	0.25	69,69,69,69	0
82	OHX	1	4132	7/7	0.85	0.11	177,187,201,284	0
82	OHX	AR	3668	7/7	0.85	0.11	207,215,224,293	0
83	MG	1	3974	1/1	0.85	0.10	63,63,63,63	0
83	MG	AR	3902	1/1	0.85	0.16	66,66,66,66	0
83	MG	1	3786	1/1	0.86	0.12	66,66,66,66	0
82	OHX	A	2132	7/7	0.86	0.11	166,167,184,266	0
82	OHX	1	3602	7/7	0.86	0.12	159,165,193,278	0
83	MG	DC	201	1/1	0.86	0.17	48,48,48,48	0
83	MG	AR	3901	1/1	0.86	0.26	69,69,69,69	0
82	OHX	AR	3656	7/7	0.86	0.10	176,195,208,297	0
83	MG	1	3981	1/1	0.86	0.09	69,69,69,69	0
83	MG	A	1984	1/1	0.86	0.27	52,52,52,52	0
83	MG	1	3792	1/1	0.86	0.21	48,48,48,48	0
83	MG	AR	4060	1/1	0.86	0.11	55,55,55,55	0
83	MG	1	3990	1/1	0.86	0.06	56,56,56,56	0
83	MG	AR	4062	1/1	0.86	0.12	59,59,59,59	0
83	MG	v	304	1/1	0.86	0.21	63,63,63,63	0
82	OHX	sR	2023	7/7	0.86	0.12	196,200,220,312	0
83	MG	AR	3757	1/1	0.86	0.15	69,69,69,69	0
83	MG	A	1997	1/1	0.86	0.23	62,62,62,62	0
83	MG	A	1999	1/1	0.86	0.14	54,54,54,54	0
83	MG	x	201	1/1	0.86	0.22	48,48,48,48	0
83	MG	AR	4069	1/1	0.86	0.19	51,51,51,51	0
83	MG	AR	3760	1/1	0.86	0.28	48,48,48,48	0
83	MG	AR	4072	1/1	0.86	0.29	56,56,56,56	0
82	OHX	AR	3615	7/7	0.86	0.10	201,208,222,316	0
83	MG	1	3805	1/1	0.86	0.11	56,56,56,56	0
82	OHX	A	2139	7/7	0.86	0.10	208,213,228,304	0
83	MG	AR	4084	1/1	0.86	0.12	88,88,88,88	0
83	MG	AR	4085	1/1	0.86	0.25	51,51,51,51	0
83	MG	AR	3765	1/1	0.86	0.20	52,52,52,52	0
82	OHX	AR	3671	7/7	0.86	0.12	159,163,184,297	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
83	MG	sR	2087	1/1	0.86	0.13	85,85,85,85	0
83	MG	1	3812	1/1	0.86	0.09	56,56,56,56	0
82	OHX	AR	3526	7/7	0.86	0.15	124,141,160,251	0
83	MG	AR	3780	1/1	0.86	0.29	50,50,50,50	0
83	MG	6	203	1/1	0.86	0.23	73,73,73,73	0
83	MG	AR	3950	1/1	0.86	0.21	76,76,76,76	0
83	MG	AR	3782	1/1	0.86	0.32	50,50,50,50	0
82	OHX	AR	4141	7/7	0.86	0.10	152,157,177,265	0
83	MG	1	3823	1/1	0.86	0.38	86,86,86,86	0
83	MG	1	3917	1/1	0.86	0.10	67,67,67,67	0
83	MG	sR	2107	1/1	0.86	0.32	88,88,88,88	0
83	MG	sR	2108	1/1	0.86	0.16	85,85,85,85	0
83	MG	1	3658	1/1	0.86	0.24	69,69,69,69	0
83	MG	AR	3803	1/1	0.86	0.27	58,58,58,58	0
83	MG	1	3660	1/1	0.86	0.14	60,60,60,60	0
83	MG	AR	3809	1/1	0.86	0.24	51,51,51,51	0
83	MG	AR	4128	1/1	0.86	0.15	66,66,66,66	0
83	MG	sR	2122	1/1	0.86	0.21	69,69,69,69	0
83	MG	AR	4129	1/1	0.86	0.23	76,76,76,76	0
83	MG	AR	4130	1/1	0.86	0.14	62,62,62,62	0
83	MG	1	4021	1/1	0.86	0.18	52,52,52,52	0
83	MG	AR	3820	1/1	0.86	0.26	48,48,48,48	0
83	MG	1	3737	1/1	0.86	0.29	46,46,46,46	0
83	MG	1	3827	1/1	0.86	0.20	67,67,67,67	0
82	OHX	sR	2173	7/7	0.86	0.11	182,199,211,290	0
82	OHX	AR	4143	7/7	0.86	0.13	148,150,164,272	0
82	OHX	AR	3631	7/7	0.86	0.12	152,158,168,258	0
83	MG	1	3835	1/1	0.86	0.20	63,63,63,63	0
83	MG	AR	3700	1/1	0.86	0.10	51,51,51,51	0
83	MG	sR	2142	1/1	0.86	0.16	62,62,62,62	0
82	OHX	1	4144	6/7	0.86	0.18	128,139,143,217	6
82	OHX	1	3565	7/7	0.86	0.11	183,193,199,284	0
82	OHX	A	1960	7/7	0.86	0.10	174,190,199,275	0
82	OHX	sR	1997	7/7	0.86	0.13	177,183,200,280	0
83	MG	A	2066	1/1	0.86	0.17	83,83,83,83	0
83	MG	A	2067	1/1	0.86	0.13	84,84,84,84	0
83	MG	1	4039	1/1	0.86	0.14	46,46,46,46	0
83	MG	AR	3708	1/1	0.86	0.23	50,50,50,50	0
82	OHX	AR	4150	7/7	0.86	0.15	152,172,187,311	0
82	OHX	A	1967	7/7	0.86	0.11	180,188,198,287	0
83	MG	A	2073	1/1	0.86	0.10	91,91,91,91	0
82	OHX	sR	2002	7/7	0.86	0.11	178,186,192,275	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
83	MG	1	3857	1/1	0.86	0.28	53,53,53,53	0
83	MG	AR	3863	1/1	0.86	0.16	68,68,68,68	0
83	MG	AT	230	1/1	0.86	0.19	51,51,51,51	0
83	MG	1	3956	1/1	0.86	0.16	78,78,78,78	0
82	OHX	AR	3637	7/7	0.86	0.11	158,171,194,295	0
83	MG	CE	405	1/1	0.86	0.30	72,72,72,72	0
83	MG	1	3867	1/1	0.86	0.07	60,60,60,60	0
83	MG	AR	4015	1/1	0.86	0.15	60,60,60,60	0
83	MG	1	3765	1/1	0.86	0.32	47,47,47,47	0
83	MG	A	2151	1/1	0.86	0.27	106,106,106,106	0
83	MG	d4	202	1/1	0.86	0.09	79,79,79,79	0
83	MG	AR	4019	1/1	0.86	0.14	70,70,70,70	0
83	MG	AR	3725	1/1	0.86	0.22	46,46,46,46	0
83	MG	1	3873	1/1	0.86	0.24	72,72,72,72	0
82	OHX	1	3584	7/7	0.86	0.10	159,167,177,273	0
83	MG	AR	3889	1/1	0.86	0.07	68,68,68,68	0
82	OHX	AR	3589	7/7	0.86	0.17	75,99,121,217	0
82	OHX	AR	3592	7/7	0.86	0.13	118,129,142,224	0
88	OS	A	2158	1/1	0.86	0.07	290,290,290,290	0
83	MG	AR	3720	1/1	0.87	0.24	49,49,49,49	0
83	MG	A	2013	1/1	0.87	0.26	54,54,54,54	0
82	OHX	A	2147	7/7	0.87	0.12	152,153,158,179	7
83	MG	1	3890	1/1	0.87	0.18	62,62,62,62	0
83	MG	sR	2063	1/1	0.87	0.25	70,70,70,70	0
83	MG	4	218	1/1	0.87	0.09	57,57,57,57	0
83	MG	AR	3853	1/1	0.87	0.19	47,47,47,47	0
83	MG	AR	3857	1/1	0.87	0.13	48,48,48,48	0
83	MG	AR	3858	1/1	0.87	0.13	65,65,65,65	0
82	OHX	J	301	7/7	0.87	0.08	209,213,226,304	0
83	MG	1	3654	1/1	0.87	0.19	54,54,54,54	0
83	MG	4	226	1/1	0.87	0.14	55,55,55,55	0
83	MG	1	3655	1/1	0.87	0.17	60,60,60,60	0
83	MG	AR	4181	1/1	0.87	0.11	119,119,119,119	0
83	MG	1	3817	1/1	0.87	0.14	69,69,69,69	0
83	MG	AR	4001	1/1	0.87	0.22	63,63,63,63	0
83	MG	AR	3736	1/1	0.87	0.16	86,86,86,86	0
83	MG	AR	3870	1/1	0.87	0.07	61,61,61,61	0
83	MG	1	3818	1/1	0.87	0.07	84,84,84,84	0
83	MG	AS	213	1/1	0.87	0.30	71,71,71,71	0
83	MG	sR	2098	1/1	0.87	0.20	51,51,51,51	0
82	OHX	O	201	7/7	0.87	0.08	199,205,223,293	0
83	MG	AR	4008	1/1	0.87	0.08	58,58,58,58	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
83	MG	1	3732	1/1	0.87	0.14	65,65,65,65	0
82	OHX	sR	1963	7/7	0.87	0.13	151,157,169,247	0
83	MG	AR	3748	1/1	0.87	0.23	65,65,65,65	0
82	OHX	sR	2174	7/7	0.87	0.10	156,165,173,254	0
83	MG	sR	2106	1/1	0.87	0.10	74,74,74,74	0
83	MG	AR	4014	1/1	0.87	0.12	67,67,67,67	0
82	OHX	1	3508	7/7	0.87	0.13	140,155,170,257	0
82	OHX	1	3579	7/7	0.87	0.11	168,177,200,294	0
83	MG	A	2054	1/1	0.87	0.16	60,60,60,60	0
83	MG	A	2057	1/1	0.87	0.14	77,77,77,77	0
83	MG	A	2059	1/1	0.87	0.26	73,73,73,73	0
83	MG	sR	2119	1/1	0.87	0.27	70,70,70,70	0
83	MG	AR	3891	1/1	0.87	0.14	46,46,46,46	0
83	MG	1	3666	1/1	0.87	0.13	48,48,48,48	0
82	OHX	1	3502	7/7	0.87	0.11	121,157,174,276	0
82	OHX	1	3603	7/7	0.87	0.11	150,161,171,272	0
82	OHX	1	4123	7/7	0.87	0.14	150,151,172,268	0
83	MG	1	3935	1/1	0.87	0.34	55,55,55,55	0
83	MG	sR	2128	1/1	0.87	0.17	71,71,71,71	0
82	OHX	AR	3595	7/7	0.87	0.10	172,179,192,255	0
83	MG	AR	4033	1/1	0.87	0.15	56,56,56,56	0
83	MG	AB	201	1/1	0.87	0.16	64,64,64,64	0
82	OHX	A	2128	7/7	0.87	0.12	177,179,193,258	0
82	OHX	AR	3598	7/7	0.87	0.13	141,150,190,272	0
82	OHX	AR	4120	7/7	0.87	0.10	184,199,209,297	0
82	OHX	AR	3600	7/7	0.87	0.12	178,182,201,258	0
83	MG	1	4029	1/1	0.87	0.12	63,63,63,63	0
83	MG	1	3612	1/1	0.87	0.21	57,57,57,57	0
83	MG	AR	3923	1/1	0.87	0.15	79,79,79,79	0
82	OHX	1	3561	7/7	0.87	0.14	128,152,174,242	0
83	MG	sR	2146	1/1	0.87	0.36	68,68,68,68	0
83	MG	1	3692	1/1	0.87	0.21	61,61,61,61	0
83	MG	1	3693	1/1	0.87	0.21	47,47,47,47	0
82	OHX	AT	202	7/7	0.87	0.12	163,173,186,286	0
83	MG	1	3780	1/1	0.87	0.41	69,69,69,69	0
82	OHX	4	228	7/7	0.87	0.10	179,192,220,313	0
83	MG	1	3958	1/1	0.87	0.24	75,75,75,75	0
83	MG	AR	3808	1/1	0.87	0.12	101,101,101,101	0
83	MG	1	4045	1/1	0.87	0.31	47,47,47,47	0
83	MG	A	1981	1/1	0.87	0.17	65,65,65,65	0
83	MG	AR	3810	1/1	0.87	0.24	65,65,65,65	0
82	OHX	1	4147	7/7	0.87	0.21	122,124,129,152	7

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
82	OHX	1	3551	7/7	0.87	0.16	123,132,144,236	0
83	MG	1	3699	1/1	0.87	0.24	80,80,80,80	0
83	MG	1	3964	1/1	0.87	0.20	69,69,69,69	0
83	MG	AR	4087	1/1	0.87	0.24	65,65,65,65	0
82	OHX	AR	4147	7/7	0.87	0.10	168,179,190,289	0
82	OHX	A	2145	7/7	0.87	0.14	144,150,154,206	7
82	OHX	1	4150	7/7	0.87	0.10	172,177,179,285	0
83	MG	1	3707	1/1	0.87	0.40	62,62,62,62	0
83	MG	d3	202	1/1	0.87	0.20	92,92,92,92	0
83	MG	1	4184	1/1	0.87	0.19	52,52,52,52	0
83	MG	AR	4093	1/1	0.87	0.17	62,62,62,62	0
83	MG	1	3887	1/1	0.87	0.28	61,61,61,61	0
83	MG	AR	4095	1/1	0.87	0.11	53,53,53,53	0
83	MG	3	214	1/1	0.87	0.13	62,62,62,62	0
83	MG	AR	3974	1/1	0.87	0.12	55,55,55,55	0
83	MG	sR	2050	1/1	0.87	0.15	72,72,72,72	0
83	MG	AR	3844	1/1	0.87	0.12	51,51,51,51	0
83	MG	A	2010	1/1	0.87	0.23	68,68,68,68	0
83	MG	1	3653	1/1	0.88	0.14	49,49,49,49	0
83	MG	AR	3945	1/1	0.88	0.13	81,81,81,81	0
83	MG	AR	3946	1/1	0.88	0.23	90,90,90,90	0
83	MG	AR	4206	1/1	0.88	0.18	64,64,64,64	0
83	MG	A	2090	1/1	0.88	0.23	69,69,69,69	0
83	MG	AS	210	1/1	0.88	0.28	54,54,54,54	0
83	MG	1	3912	1/1	0.88	0.13	66,66,66,66	0
82	OHX	sR	2006	7/7	0.88	0.12	155,165,184,265	0
83	MG	1	3919	1/1	0.88	0.15	63,63,63,63	0
83	MG	A	2099	1/1	0.88	0.12	79,79,79,79	0
83	MG	1	3775	1/1	0.88	0.28	46,46,46,46	0
83	MG	A	2154	1/1	0.88	0.08	120,120,120,120	0
83	MG	A	2155	1/1	0.88	0.14	118,118,118,118	0
83	MG	1	4064	1/1	0.88	0.20	47,47,47,47	0
82	OHX	sR	2007	7/7	0.88	0.10	170,185,210,286	0
83	MG	1	4071	1/1	0.88	0.07	67,67,67,67	0
82	OHX	AR	3670	7/7	0.88	0.11	161,170,194,261	0
83	MG	1	4182	1/1	0.88	0.26	54,54,54,54	0
82	OHX	A	1962	7/7	0.88	0.09	184,203,216,286	0
82	OHX	1	3507	7/7	0.88	0.13	121,130,142,226	0
83	MG	AT	217	1/1	0.88	0.15	70,70,70,70	0
83	MG	AR	3971	1/1	0.88	0.10	68,68,68,68	0
82	OHX	sR	2015	7/7	0.88	0.12	147,155,185,270	0
82	OHX	AR	3634	7/7	0.88	0.11	161,171,198,284	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
83	MG	AR	3773	1/1	0.88	0.15	55,55,55,55	0
82	OHX	AR	3525	7/7	0.88	0.14	117,124,139,197	0
83	MG	sR	2036	1/1	0.88	0.28	59,59,59,59	0
83	MG	AT	229	1/1	0.88	0.29	60,60,60,60	0
83	MG	1	3793	1/1	0.88	0.20	47,47,47,47	0
82	OHX	1	3553	7/7	0.88	0.11	139,143,180,259	0
83	MG	sR	2045	1/1	0.88	0.19	70,70,70,70	0
82	OHX	A	1977	7/7	0.88	0.10	179,185,208,272	0
83	MG	4	222	1/1	0.88	0.18	58,58,58,58	0
82	OHX	A	2114	7/7	0.88	0.10	165,176,190,266	0
83	MG	AR	3791	1/1	0.88	0.14	49,49,49,49	0
82	OHX	AR	3639	7/7	0.88	0.09	165,179,197,275	0
83	MG	AR	3993	1/1	0.88	0.13	67,67,67,67	0
83	MG	AR	3995	1/1	0.88	0.11	66,66,66,66	0
83	MG	AR	3796	1/1	0.88	0.15	49,49,49,49	0
83	MG	k	401	1/1	0.88	0.13	57,57,57,57	0
83	MG	1	3807	1/1	0.88	0.11	59,59,59,59	0
83	MG	o	302	1/1	0.88	0.20	59,59,59,59	0
82	OHX	A	2127	7/7	0.88	0.09	252,258,261,330	0
82	OHX	sR	2026	7/7	0.88	0.11	171,177,200,271	0
82	OHX	sR	2167	7/7	0.88	0.12	158,165,177,257	0
82	OHX	AR	3535	7/7	0.88	0.13	116,130,152,218	0
82	OHX	AR	3642	7/7	0.88	0.11	161,164,177,289	0
82	OHX	1	3582	7/7	0.88	0.11	135,150,162,246	0
83	MG	sR	2078	1/1	0.88	0.30	53,53,53,53	0
82	OHX	AR	4148	7/7	0.88	0.09	157,165,176,276	0
82	OHX	AR	3645	7/7	0.88	0.11	139,154,176,262	0
82	OHX	1	3605	7/7	0.88	0.10	162,182,206,284	0
83	MG	sR	2083	1/1	0.88	0.16	68,68,68,68	0
82	OHX	sR	2176	7/7	0.88	0.13	175,179,199,288	0
83	MG	1	3966	1/1	0.88	0.12	69,69,69,69	0
83	MG	sR	2088	1/1	0.88	0.10	73,73,73,73	0
83	MG	1	3967	1/1	0.88	0.25	68,68,68,68	0
82	OHX	AR	3586	7/7	0.88	0.11	151,158,165,250	0
83	MG	AR	3833	1/1	0.88	0.22	48,48,48,48	0
83	MG	A	1991	1/1	0.88	0.25	74,74,74,74	0
82	OHX	AR	3587	7/7	0.88	0.14	145,150,157,261	0
82	OHX	1	3564	7/7	0.88	0.11	166,179,211,279	0
83	MG	AR	3843	1/1	0.88	0.10	58,58,58,58	0
83	MG	AB	202	1/1	0.88	0.14	67,67,67,67	0
83	MG	1	3701	1/1	0.88	0.23	52,52,52,52	0
82	OHX	AR	3658	7/7	0.88	0.11	144,162,177,262	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
83	MG	1	3976	1/1	0.88	0.11	69,69,69,69	0
82	OHX	1	3523	7/7	0.88	0.10	170,193,212,283	0
83	MG	AR	3677	1/1	0.88	0.18	74,74,74,74	0
83	MG	sR	2109	1/1	0.88	0.11	117,117,117,117	0
83	MG	AR	4048	1/1	0.88	0.16	60,60,60,60	0
83	MG	AR	4049	1/1	0.88	0.12	62,62,62,62	0
82	OHX	1	3568	7/7	0.88	0.10	162,172,187,267	0
83	MG	1	3705	1/1	0.88	0.13	55,55,55,55	0
83	MG	1	3982	1/1	0.88	0.21	55,55,55,55	0
83	MG	1	3988	1/1	0.88	0.16	81,81,81,81	0
83	MG	AR	4057	1/1	0.88	0.25	68,68,68,68	0
83	MG	A	2015	1/1	0.88	0.26	73,73,73,73	0
82	OHX	1	4112	7/7	0.88	0.12	179,184,189,237	0
82	OHX	c3	202	7/7	0.88	0.10	188,197,219,281	0
83	MG	AR	3689	1/1	0.88	0.20	49,49,49,49	0
83	MG	AR	3691	1/1	0.88	0.22	51,51,51,51	0
83	MG	1	3993	1/1	0.88	0.13	58,58,58,58	0
83	MG	1	3712	1/1	0.88	0.10	54,54,54,54	0
82	OHX	c7	201	7/7	0.88	0.07	235,249,260,342	0
82	OHX	1	4113	7/7	0.88	0.10	169,172,197,290	0
82	OHX	1	3591	7/7	0.88	0.12	188,197,216,325	0
83	MG	AR	3704	1/1	0.88	0.27	54,54,54,54	0
82	OHX	1	3594	7/7	0.88	0.10	193,200,211,300	0
83	MG	A	2032	1/1	0.88	0.26	89,89,89,89	0
82	OHX	sR	1973	7/7	0.88	0.09	217,230,239,321	0
83	MG	1	3618	1/1	0.88	0.20	61,61,61,61	0
83	MG	1	3620	1/1	0.88	0.12	92,92,92,92	0
83	MG	1	3621	1/1	0.88	0.19	53,53,53,53	0
82	OHX	4	202	7/7	0.88	0.12	154,167,182,277	0
82	OHX	AR	3628	7/7	0.88	0.12	189,195,207,308	0
83	MG	AR	3895	1/1	0.88	0.10	71,71,71,71	0
83	MG	AR	3716	1/1	0.88	0.10	47,47,47,47	0
83	MG	1	3741	1/1	0.88	0.24	58,58,58,58	0
83	MG	1	3624	1/1	0.88	0.15	76,76,76,76	0
82	OHX	sR	1985	7/7	0.88	0.09	174,187,199,267	0
83	MG	AR	3911	1/1	0.88	0.12	68,68,68,68	0
82	OHX	AR	3629	7/7	0.88	0.09	141,157,166,258	0
83	MG	sR	2162	1/1	0.88	0.16	62,62,62,62	0
83	MG	A	2052	1/1	0.88	0.14	72,72,72,72	0
82	OHX	1	3596	7/7	0.88	0.09	143,158,175,280	0
82	OHX	CG	302	7/7	0.88	0.09	190,197,203,279	0
83	MG	1	3634	1/1	0.88	0.20	67,67,67,67	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
83	MG	AR	3726	1/1	0.88	0.14	52,52,52,52	0
82	OHX	1	3572	7/7	0.88	0.10	147,153,175,244	0
83	MG	AR	3922	1/1	0.88	0.20	60,60,60,60	0
83	MG	c3	201	1/1	0.88	0.26	55,55,55,55	0
83	MG	AR	4106	1/1	0.88	0.17	46,46,46,46	0
83	MG	1	3895	1/1	0.88	0.15	69,69,69,69	0
82	OHX	A	1955	7/7	0.88	0.10	145,152,172,248	0
83	MG	c9	201	1/1	0.88	0.26	82,82,82,82	0
83	MG	AR	4118	1/1	0.88	0.27	56,56,56,56	0
83	MG	AR	3926	1/1	0.88	0.08	57,57,57,57	0
83	MG	1	3760	1/1	0.88	0.29	47,47,47,47	0
83	MG	1	3648	1/1	0.88	0.17	47,47,47,47	0
83	MG	1	3905	1/1	0.88	0.13	59,59,59,59	0
83	MG	1	3762	1/1	0.88	0.12	51,51,51,51	0
82	OHX	A	1959	7/7	0.88	0.11	165,169,189,263	0
83	MG	AR	4175	1/1	0.88	0.17	64,64,64,64	0
85	SPD	1	4180	10/10	0.88	0.17	54,59,62,64	0
83	MG	1	3767	1/1	0.88	0.27	52,52,52,52	0
83	MG	AR	3742	1/1	0.88	0.14	61,61,61,61	0
83	MG	1	4161	1/1	0.89	0.09	114,114,114,114	0
83	MG	AR	4024	1/1	0.89	0.11	73,73,73,73	0
83	MG	1	4174	1/1	0.89	0.10	102,102,102,102	0
82	OHX	CG	304	7/7	0.89	0.10	229,230,235,324	0
82	OHX	AR	3570	7/7	0.89	0.11	151,155,173,265	0
83	MG	1	3850	1/1	0.89	0.16	53,53,53,53	0
83	MG	AR	3884	1/1	0.89	0.12	61,61,61,61	0
83	MG	CR	203	1/1	0.89	0.24	45,45,45,45	0
83	MG	sR	2032	1/1	0.89	0.19	53,53,53,53	0
83	MG	AR	4034	1/1	0.89	0.10	68,68,68,68	0
83	MG	AR	4040	1/1	0.89	0.27	71,71,71,71	0
83	MG	AR	3888	1/1	0.89	0.23	50,50,50,50	0
83	MG	AR	3733	1/1	0.89	0.30	64,64,64,64	0
82	OHX	sR	1972	7/7	0.89	0.10	175,182,191,255	0
82	OHX	A	1942	7/7	0.89	0.12	159,168,178,251	0
83	MG	sR	2042	1/1	0.89	0.23	90,90,90,90	0
83	MG	DO	203	1/1	0.89	0.20	74,74,74,74	0
83	MG	DP	101	1/1	0.89	0.25	72,72,72,72	0
82	OHX	AR	3574	7/7	0.89	0.15	131,139,151,254	0
82	OHX	sR	1977	7/7	0.89	0.08	203,206,232,292	0
83	MG	4	215	1/1	0.89	0.18	57,57,57,57	0
83	MG	1	3676	1/1	0.89	0.21	47,47,47,47	0
82	OHX	AR	4140	7/7	0.89	0.10	184,190,199,289	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
83	MG	AR	3900	1/1	0.89	0.18	48,48,48,48	0
82	OHX	sR	1981	7/7	0.89	0.10	139,148,162,267	0
83	MG	sR	2060	1/1	0.89	0.21	86,86,86,86	0
83	MG	AR	3747	1/1	0.89	0.28	74,74,74,74	0
83	MG	AR	3904	1/1	0.89	0.11	57,57,57,57	0
82	OHX	AR	3575	6/7	0.89	0.10	146,168,180,264	0
83	MG	4	225	1/1	0.89	0.14	61,61,61,61	0
82	OHX	sR	1993	7/7	0.89	0.10	212,214,216,294	0
83	MG	A	1998	1/1	0.89	0.11	64,64,64,64	0
83	MG	sR	2071	1/1	0.89	0.17	57,57,57,57	0
82	OHX	AR	4142	7/7	0.89	0.10	178,189,199,277	0
83	MG	l	402	1/1	0.89	0.20	76,76,76,76	0
83	MG	sR	2076	1/1	0.89	0.30	66,66,66,66	0
83	MG	A	2001	1/1	0.89	0.26	70,70,70,70	0
83	MG	1	3975	1/1	0.89	0.15	69,69,69,69	0
83	MG	AR	4071	1/1	0.89	0.28	70,70,70,70	0
83	MG	1	3684	1/1	0.89	0.20	51,51,51,51	0
83	MG	AR	4076	1/1	0.89	0.23	62,62,62,62	0
83	MG	sR	2082	1/1	0.89	0.20	71,71,71,71	0
82	OHX	1	3519	7/7	0.89	0.11	121,130,146,222	0
82	OHX	c8	201	7/7	0.89	0.09	181,187,202,258	0
83	MG	sR	2086	1/1	0.89	0.12	77,77,77,77	0
83	MG	1	3884	1/1	0.89	0.19	50,50,50,50	0
83	MG	AR	4080	1/1	0.89	0.17	49,49,49,49	0
83	MG	AR	4081	1/1	0.89	0.21	55,55,55,55	0
82	OHX	1	3583	7/7	0.89	0.12	151,161,177,257	0
83	MG	1	3985	1/1	0.89	0.17	47,47,47,47	0
83	MG	AR	3769	1/1	0.89	0.18	50,50,50,50	0
83	MG	1	3781	1/1	0.89	0.23	49,49,49,49	0
83	MG	1	3785	1/1	0.89	0.21	52,52,52,52	0
82	OHX	1	3573	7/7	0.89	0.09	169,177,198,288	0
82	OHX	AR	3649	7/7	0.89	0.09	176,190,210,301	0
83	MG	x	205	1/1	0.89	0.17	54,54,54,54	0
82	OHX	1	4130	7/7	0.89	0.08	151,163,186,280	0
83	MG	AR	3943	1/1	0.89	0.09	50,50,50,50	0
82	OHX	sR	2004	7/7	0.89	0.12	218,228,242,340	0
83	MG	1	3619	1/1	0.89	0.26	47,47,47,47	0
83	MG	1	3999	1/1	0.89	0.23	92,92,92,92	0
82	OHX	1	3524	7/7	0.89	0.11	172,180,198,268	0
83	MG	AR	3949	1/1	0.89	0.16	69,69,69,69	0
83	MG	sR	2114	1/1	0.89	0.15	103,103,103,103	0
83	MG	1	3796	1/1	0.89	0.14	59,59,59,59	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
82	OHX	4	212	7/7	0.89	0.09	155,162,175,277	0
83	MG	AR	3800	1/1	0.89	0.12	45,45,45,45	0
83	MG	1	3800	1/1	0.89	0.14	60,60,60,60	0
83	MG	AR	3802	1/1	0.89	0.23	69,69,69,69	0
83	MG	1	4010	1/1	0.89	0.23	48,48,48,48	0
82	OHX	sR	2009	7/7	0.89	0.09	213,216,223,267	0
83	MG	AR	3806	1/1	0.89	0.30	46,46,46,46	0
83	MG	AR	3807	1/1	0.89	0.23	66,66,66,66	0
82	OHX	4	213	7/7	0.89	0.11	162,168,187,275	0
82	OHX	1	3575	7/7	0.89	0.10	204,208,228,309	0
83	MG	1	4015	1/1	0.89	0.22	52,52,52,52	0
82	OHX	A	2129	7/7	0.89	0.09	220,231,238,318	0
83	MG	sR	2134	1/1	0.89	0.20	70,70,70,70	0
83	MG	1	3916	1/1	0.89	0.11	49,49,49,49	0
82	OHX	1	4119	7/7	0.89	0.10	134,137,153,248	0
83	MG	A	2055	1/1	0.89	0.12	73,73,73,73	0
82	OHX	k	404	7/7	0.89	0.13	110,122,138,206	0
83	MG	A	2058	1/1	0.89	0.26	53,53,53,53	0
82	OHX	A	2134	7/7	0.89	0.11	153,158,163,246	0
83	MG	AR	4189	1/1	0.89	0.10	141,141,141,141	0
83	MG	AR	4195	1/1	0.89	0.07	98,98,98,98	0
83	MG	1	3921	1/1	0.89	0.28	73,73,73,73	0
83	MG	sR	2147	1/1	0.89	0.26	54,54,54,54	0
83	MG	AR	3690	1/1	0.89	0.10	53,53,53,53	0
83	MG	1	3922	1/1	0.89	0.24	57,57,57,57	0
82	OHX	AR	3602	7/7	0.89	0.10	163,176,201,261	0
82	OHX	1	4148	7/7	0.89	0.16	125,135,142,210	7
83	MG	AR	3837	1/1	0.89	0.22	46,46,46,46	0
82	OHX	AR	3616	7/7	0.89	0.12	150,151,176,247	0
83	MG	A	2069	1/1	0.89	0.14	68,68,68,68	0
83	MG	1	3637	1/1	0.89	0.15	64,64,64,64	0
82	OHX	AR	3618	7/7	0.89	0.09	196,213,217,285	0
83	MG	1	3650	1/1	0.89	0.23	50,50,50,50	0
83	MG	AS	224	1/1	0.89	0.23	64,64,64,64	0
82	OHX	1	3590	7/7	0.89	0.11	161,174,195,291	0
82	OHX	1	4136	7/7	0.89	0.09	173,185,206,296	0
83	MG	A	2081	1/1	0.89	0.33	55,55,55,55	0
83	MG	1	3828	1/1	0.89	0.23	60,60,60,60	0
83	MG	s4	302	1/1	0.89	0.13	69,69,69,69	0
83	MG	1	4044	1/1	0.89	0.28	48,48,48,48	0
83	MG	AR	3851	1/1	0.89	0.23	47,47,47,47	0
83	MG	A	2086	1/1	0.89	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	OHX	1	3483	7/7	0.89	0.14	74,109,118,210	0
83	MG	A	2088	1/1	0.89	0.09	63,63,63,63	0
82	OHX	AR	3542	7/7	0.89	0.12	134,142,156,226	0
83	MG	1	3740	1/1	0.89	0.23	69,69,69,69	0
83	MG	A	2092	1/1	0.89	0.28	65,65,65,65	0
82	OHX	AR	3551	7/7	0.89	0.09	151,158,173,280	0
82	OHX	1	3593	7/7	0.89	0.09	176,195,209,291	0
83	MG	d4	204	1/1	0.89	0.28	58,58,58,58	0
83	MG	1	3744	1/1	0.89	0.18	62,62,62,62	0
83	MG	AT	232	1/1	0.89	0.09	63,63,63,63	0
83	MG	1	3950	1/1	0.89	0.15	73,73,73,73	0
82	OHX	AR	3566	7/7	0.89	0.14	111,121,140,204	0
83	MG	AR	3721	1/1	0.89	0.26	46,46,46,46	0
83	MG	1	3954	1/1	0.89	0.18	80,80,80,80	0
85	SPD	AR	4204	10/10	0.89	0.18	51,56,61,62	0
83	MG	1	3840	1/1	0.89	0.16	49,49,49,49	0
83	MG	AR	4021	1/1	0.89	0.17	61,61,61,61	0
82	OHX	CK	201	7/7	0.90	0.10	146,154,166,256	0
82	OHX	1	4098	7/7	0.90	0.10	134,143,164,231	0
83	MG	1	3626	1/1	0.90	0.19	53,53,53,53	0
82	OHX	A	1939	7/7	0.90	0.11	126,147,152,213	0
83	MG	1	3742	1/1	0.90	0.06	45,45,45,45	0
83	MG	AR	3910	1/1	0.90	0.07	61,61,61,61	0
83	MG	A	2074	1/1	0.90	0.14	63,63,63,63	0
83	MG	AR	4111	1/1	0.90	0.26	64,64,64,64	0
83	MG	AR	4117	1/1	0.90	0.13	60,60,60,60	0
83	MG	A	2078	1/1	0.90	0.27	84,84,84,84	0
83	MG	A	2080	1/1	0.90	0.25	52,52,52,52	0
83	MG	1	4014	1/1	0.90	0.26	47,47,47,47	0
83	MG	1	3630	1/1	0.90	0.09	47,47,47,47	0
83	MG	AR	4124	1/1	0.90	0.12	58,58,58,58	0
83	MG	AR	4125	1/1	0.90	0.20	61,61,61,61	0
83	MG	1	4017	1/1	0.90	0.10	70,70,70,70	0
83	MG	AR	3917	1/1	0.90	0.18	72,72,72,72	0
82	OHX	1	4099	6/7	0.90	0.11	168,180,202,291	0
83	MG	1	3885	1/1	0.90	0.19	66,66,66,66	0
83	MG	AR	4133	1/1	0.90	0.23	56,56,56,56	0
82	OHX	sR	2000	7/7	0.90	0.11	164,172,176,291	0
83	MG	A	2093	1/1	0.90	0.33	80,80,80,80	0
83	MG	AR	4171	1/1	0.90	0.11	109,109,109,109	0
82	OHX	A	1946	7/7	0.90	0.11	155,162,172,238	0
82	OHX	A	1951	7/7	0.90	0.10	180,183,193,269	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
82	OHX	1	405	7/7	0.90	0.07	194,201,215,302	0
83	MG	A	2101	1/1	0.90	0.09	68,68,68,68	0
83	MG	1	4026	1/1	0.90	0.18	55,55,55,55	0
82	OHX	AR	3606	7/7	0.90	0.09	166,170,186,269	0
83	MG	AR	3927	1/1	0.90	0.08	67,67,67,67	0
83	MG	1	3641	1/1	0.90	0.21	63,63,63,63	0
83	MG	1	3644	1/1	0.90	0.24	62,62,62,62	0
83	MG	AR	4199	1/1	0.90	0.11	69,69,69,69	0
83	MG	AR	4202	1/1	0.90	0.09	101,101,101,101	0
83	MG	1	3898	1/1	0.90	0.13	63,63,63,63	0
83	MG	1	3899	1/1	0.90	0.09	66,66,66,66	0
83	MG	1	3758	1/1	0.90	0.28	53,53,53,53	0
83	MG	1	3646	1/1	0.90	0.20	83,83,83,83	0
82	OHX	AR	3611	7/7	0.90	0.09	152,172,184,254	0
83	MG	sR	2029	1/1	0.90	0.21	65,65,65,65	0
82	OHX	sR	2008	7/7	0.90	0.10	144,162,182,257	0
83	MG	AS	215	1/1	0.90	0.13	55,55,55,55	0
82	OHX	1	4104	7/7	0.90	0.13	144,159,164,259	0
82	OHX	AR	3478	7/7	0.90	0.17	102,118,120,170	0
82	OHX	A	1966	7/7	0.90	0.10	170,176,188,255	0
82	OHX	AR	3493	7/7	0.90	0.10	130,135,158,219	0
83	MG	1	3773	1/1	0.90	0.26	46,46,46,46	0
83	MG	1	3913	1/1	0.90	0.11	66,66,66,66	0
82	OHX	sR	2014	7/7	0.90	0.09	193,202,212,284	0
83	MG	1	4061	1/1	0.90	0.11	54,54,54,54	0
83	MG	sR	2043	1/1	0.90	0.18	60,60,60,60	0
83	MG	sR	2044	1/1	0.90	0.10	57,57,57,57	0
82	OHX	A	1970	7/7	0.90	0.10	135,146,164,221	0
83	MG	AT	218	1/1	0.90	0.14	48,48,48,48	0
83	MG	1	3779	1/1	0.90	0.26	61,61,61,61	0
83	MG	AR	3756	1/1	0.90	0.20	56,56,56,56	0
83	MG	sR	2051	1/1	0.90	0.22	65,65,65,65	0
83	MG	1	4067	1/1	0.90	0.20	60,60,60,60	0
82	OHX	sR	2017	7/7	0.90	0.08	222,233,237,319	0
83	MG	1	4069	1/1	0.90	0.12	85,85,85,85	0
83	MG	1	3659	1/1	0.90	0.23	55,55,55,55	0
83	MG	AR	3966	1/1	0.90	0.15	78,78,78,78	0
82	OHX	AR	3624	7/7	0.90	0.10	197,201,202,278	0
82	OHX	AR	3501	7/7	0.90	0.15	102,108,121,204	0
82	OHX	AR	3510	7/7	0.90	0.13	90,114,132,192	0
83	MG	AR	3768	1/1	0.90	0.23	45,45,45,45	0
82	OHX	1	4125	7/7	0.90	0.11	129,130,143,233	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
83	MG	AR	3770	1/1	0.90	0.40	47,47,47,47	0
83	MG	CF	403	1/1	0.90	0.14	59,59,59,59	0
83	MG	1	3670	1/1	0.90	0.12	71,71,71,71	0
83	MG	AR	3982	1/1	0.90	0.29	60,60,60,60	0
83	MG	1	3932	1/1	0.90	0.15	78,78,78,78	0
83	MG	AR	3774	1/1	0.90	0.30	46,46,46,46	0
83	MG	CM	202	1/1	0.90	0.20	74,74,74,74	0
83	MG	3	208	1/1	0.90	0.12	61,61,61,61	0
83	MG	AR	3777	1/1	0.90	0.14	58,58,58,58	0
83	MG	1	3933	1/1	0.90	0.13	79,79,79,79	0
83	MG	AR	3992	1/1	0.90	0.15	64,64,64,64	0
82	OHX	1	3597	7/7	0.90	0.10	153,159,175,266	0
82	OHX	1	3599	7/7	0.90	0.10	149,154,167,236	0
82	OHX	1	4129	7/7	0.90	0.11	131,138,156,241	0
82	OHX	1	3559	7/7	0.90	0.09	144,150,170,242	0
83	MG	DA	202	1/1	0.90	0.19	55,55,55,55	0
82	OHX	AR	3636	7/7	0.90	0.11	129,142,157,264	0
83	MG	4	219	1/1	0.90	0.14	72,72,72,72	0
83	MG	DL	101	1/1	0.90	0.19	64,64,64,64	0
83	MG	AR	3795	1/1	0.90	0.21	48,48,48,48	0
83	MG	sR	2096	1/1	0.90	0.10	73,73,73,73	0
82	OHX	1	4109	7/7	0.90	0.10	143,147,173,256	0
83	MG	4	221	1/1	0.90	0.15	60,60,60,60	0
83	MG	AR	3799	1/1	0.90	0.23	49,49,49,49	0
82	OHX	AR	3638	7/7	0.90	0.10	134,141,150,250	0
83	MG	A	1982	1/1	0.90	0.24	61,61,61,61	0
83	MG	1	3681	1/1	0.90	0.24	61,61,61,61	0
83	MG	1	3945	1/1	0.90	0.12	71,71,71,71	0
83	MG	sR	2105	1/1	0.90	0.10	67,67,67,67	0
83	MG	AR	4010	1/1	0.90	0.17	56,56,56,56	0
83	MG	1	3682	1/1	0.90	0.13	84,84,84,84	0
83	MG	4	230	1/1	0.90	0.07	108,108,108,108	0
82	OHX	AR	3564	7/7	0.90	0.10	163,166,174,233	0
82	OHX	1	4111	7/7	0.90	0.07	209,218,228,314	0
83	MG	sR	2111	1/1	0.90	0.20	56,56,56,56	0
83	MG	l	403	1/1	0.90	0.12	103,103,103,103	0
83	MG	sR	2113	1/1	0.90	0.12	60,60,60,60	0
83	MG	1	3813	1/1	0.90	0.44	73,73,73,73	0
82	OHX	AR	3569	7/7	0.90	0.09	155,164,184,258	0
83	MG	AR	3814	1/1	0.90	0.28	57,57,57,57	0
83	MG	sR	2118	1/1	0.90	0.10	86,86,86,86	0
83	MG	o	303	1/1	0.90	0.13	67,67,67,67	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
82	OHX	A	2138	7/7	0.90	0.10	145,155,158,246	0
83	MG	r	302	1/1	0.90	0.11	49,49,49,49	0
82	OHX	1	4152	7/7	0.90	0.07	176,182,195,293	0
83	MG	1	3819	1/1	0.90	0.10	60,60,60,60	0
83	MG	1	3960	1/1	0.90	0.13	58,58,58,58	0
82	OHX	1	3527	7/7	0.90	0.10	133,139,158,238	0
83	MG	AR	3828	1/1	0.90	0.25	49,49,49,49	0
82	OHX	AR	3646	7/7	0.90	0.08	179,191,211,275	0
83	MG	AR	4038	1/1	0.90	0.08	84,84,84,84	0
82	OHX	AR	4158	7/7	0.90	0.08	161,163,180,262	0
82	OHX	AR	4159	7/7	0.90	0.14	112,117,127,188	7
82	OHX	1	3563	7/7	0.90	0.10	153,157,176,251	0
83	MG	sR	2137	1/1	0.90	0.21	59,59,59,59	0
82	OHX	1	4135	7/7	0.90	0.09	153,162,174,273	0
83	MG	AR	3841	1/1	0.90	0.17	60,60,60,60	0
82	OHX	1	3541	7/7	0.90	0.14	143,151,156,250	0
83	MG	y	201	1/1	0.90	0.14	65,65,65,65	0
83	MG	1	3968	1/1	0.90	0.20	70,70,70,70	0
82	OHX	3	219	7/7	0.90	0.13	136,148,158,230	0
82	OHX	c5	201	7/7	0.90	0.09	182,189,197,257	0
83	MG	AR	4058	1/1	0.90	0.15	62,62,62,62	0
83	MG	A	2025	1/1	0.90	0.15	70,70,70,70	0
82	OHX	Q	201	7/7	0.90	0.09	201,205,215,281	0
83	MG	1	3833	1/1	0.90	0.14	62,62,62,62	0
82	OHX	U	201	7/7	0.90	0.10	228,241,243,327	0
82	OHX	d4	201	7/7	0.90	0.09	182,184,197,276	0
83	MG	1	3708	1/1	0.90	0.19	48,48,48,48	0
83	MG	AH	202	1/1	0.90	0.21	71,71,71,71	0
82	OHX	sR	1953	7/7	0.90	0.12	169,170,181,231	0
83	MG	1	3711	1/1	0.90	0.31	46,46,46,46	0
83	MG	AR	3673	1/1	0.90	0.07	53,53,53,53	0
83	MG	AR	3676	1/1	0.90	0.07	55,55,55,55	0
83	MG	1	3980	1/1	0.90	0.12	58,58,58,58	0
83	MG	sR	2164	1/1	0.90	0.14	76,76,76,76	0
83	MG	sR	2166	1/1	0.90	0.11	63,63,63,63	0
83	MG	A	2041	1/1	0.90	0.11	62,62,62,62	0
82	OHX	AT	201	7/7	0.90	0.10	129,138,156,253	0
83	MG	1	3844	1/1	0.90	0.20	53,53,53,53	0
83	MG	1	3845	1/1	0.90	0.11	68,68,68,68	0
83	MG	A	2046	1/1	0.90	0.12	74,74,74,74	0
83	MG	1	3716	1/1	0.90	0.22	50,50,50,50	0
82	OHX	1	4137	7/7	0.90	0.10	123,138,154,264	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
83	MG	1	3854	1/1	0.90	0.07	64,64,64,64	0
83	MG	c4	2201	1/1	0.90	0.10	75,75,75,75	0
83	MG	1	3991	1/1	0.90	0.16	61,61,61,61	0
83	MG	AR	4083	1/1	0.90	0.23	65,65,65,65	0
82	OHX	AT	216	7/7	0.90	0.10	156,166,190,294	0
83	MG	1	3994	1/1	0.90	0.08	69,69,69,69	0
83	MG	c9	202	1/1	0.90	0.16	99,99,99,99	0
83	MG	AR	3886	1/1	0.90	0.21	50,50,50,50	0
83	MG	A	2056	1/1	0.90	0.12	57,57,57,57	0
83	MG	AR	3695	1/1	0.90	0.23	69,69,69,69	0
83	MG	AR	3696	1/1	0.90	0.22	61,61,61,61	0
82	OHX	1	4138	7/7	0.90	0.10	123,132,150,223	0
83	MG	d6	203	1/1	0.90	0.19	68,68,68,68	0
82	OHX	1	3588	7/7	0.90	0.11	151,155,172,244	0
82	OHX	1	3606	1/7	0.90	0.14	221,221,221,221	0
82	OHX	AR	3596	7/7	0.90	0.11	167,171,173,271	0
83	MG	1	3869	1/1	0.90	0.26	62,62,62,62	0
82	OHX	1	4121	7/7	0.90	0.09	167,180,193,281	0
83	MG	AR	3898	1/1	0.90	0.18	46,46,46,46	0
83	MG	AR	4099	1/1	0.90	0.19	48,48,48,48	0
82	OHX	AR	3599	7/7	0.90	0.09	171,174,205,287	0
83	MG	AR	4047	1/1	0.91	0.16	52,52,52,52	0
82	OHX	sR	1987	7/7	0.91	0.09	147,157,161,256	0
82	OHX	1	3562	7/7	0.91	0.09	174,177,188,299	0
82	OHX	1	3517	7/7	0.91	0.10	158,167,193,252	0
83	MG	1	3909	1/1	0.91	0.10	62,62,62,62	0
83	MG	sR	2034	1/1	0.91	0.20	69,69,69,69	0
83	MG	AR	3897	1/1	0.91	0.24	68,68,68,68	0
82	OHX	AR	3594	7/7	0.91	0.10	120,133,139,225	0
83	MG	1	3733	1/1	0.91	0.20	46,46,46,46	0
83	MG	1	4005	1/1	0.91	0.21	69,69,69,69	0
83	MG	1	4006	1/1	0.91	0.23	60,60,60,60	0
83	MG	u	201	1/1	0.91	0.08	76,76,76,76	0
82	OHX	Rb	401	7/7	0.91	0.08	231,232,242,307	0
83	MG	A	1979	1/1	0.91	0.24	53,53,53,53	0
83	MG	1	3915	1/1	0.91	0.13	61,61,61,61	0
83	MG	AR	3908	1/1	0.91	0.09	62,62,62,62	0
83	MG	A	1983	1/1	0.91	0.11	70,70,70,70	0
83	MG	AR	3764	1/1	0.91	0.34	49,49,49,49	0
83	MG	w	201	1/1	0.91	0.11	57,57,57,57	0
83	MG	AR	3914	1/1	0.91	0.17	74,74,74,74	0
83	MG	sR	2054	1/1	0.91	0.14	64,64,64,64	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
83	MG	1	3820	1/1	0.91	0.10	46,46,46,46	0
83	MG	1	3821	1/1	0.91	0.12	66,66,66,66	0
83	MG	1	3735	1/1	0.91	0.23	49,49,49,49	0
82	OHX	AR	3561	7/7	0.91	0.14	104,114,136,217	0
83	MG	AR	4075	1/1	0.91	0.26	46,46,46,46	0
82	OHX	AR	3563	7/7	0.91	0.11	126,134,162,222	0
83	MG	A	1996	1/1	0.91	0.14	55,55,55,55	0
83	MG	1	4016	1/1	0.91	0.16	63,63,63,63	0
82	OHX	AG	202	7/7	0.91	0.10	136,148,161,253	0
82	OHX	1	3598	7/7	0.91	0.12	132,136,146,238	0
82	OHX	1	4128	7/7	0.91	0.09	133,138,159,244	0
83	MG	AR	3779	1/1	0.91	0.22	47,47,47,47	0
83	MG	sR	2072	1/1	0.91	0.21	63,63,63,63	0
82	OHX	AT	213	7/7	0.91	0.10	150,165,177,267	0
83	MG	1	3930	1/1	0.91	0.28	64,64,64,64	0
82	OHX	1	3480	7/7	0.91	0.12	116,132,139,198	0
83	MG	AR	3786	1/1	0.91	0.20	72,72,72,72	0
83	MG	AR	3933	1/1	0.91	0.10	72,72,72,72	0
82	OHX	AR	3571	7/7	0.91	0.11	132,138,148,237	0
83	MG	A	2009	1/1	0.91	0.18	56,56,56,56	0
83	MG	AR	3790	1/1	0.91	0.33	46,46,46,46	0
83	MG	1	3675	1/1	0.91	0.16	47,47,47,47	0
82	OHX	AR	3605	7/7	0.91	0.11	144,151,164,256	0
83	MG	AR	3794	1/1	0.91	0.18	46,46,46,46	0
83	MG	1	3747	1/1	0.91	0.19	57,57,57,57	0
83	MG	A	2016	1/1	0.91	0.15	95,95,95,95	0
83	MG	AP	503	1/1	0.91	0.16	77,77,77,77	0
82	OHX	AR	3641	7/7	0.91	0.09	134,140,171,244	0
83	MG	AR	4097	1/1	0.91	0.27	63,63,63,63	0
82	OHX	1	3560	7/7	0.91	0.10	132,139,157,248	0
83	MG	1	3838	1/1	0.91	0.08	75,75,75,75	0
83	MG	sR	2097	1/1	0.91	0.30	52,52,52,52	0
82	OHX	AR	3610	7/7	0.91	0.12	103,125,151,228	0
83	MG	AR	3680	1/1	0.91	0.17	53,53,53,53	0
83	MG	AR	3951	1/1	0.91	0.21	60,60,60,60	0
83	MG	AR	3952	1/1	0.91	0.13	64,64,64,64	0
83	MG	AR	4108	1/1	0.91	0.23	49,49,49,49	0
82	OHX	AR	3644	7/7	0.91	0.11	130,136,155,250	0
83	MG	AR	3955	1/1	0.91	0.15	63,63,63,63	0
82	OHX	1	3576	7/7	0.91	0.11	134,154,174,241	0
82	OHX	1	3511	7/7	0.91	0.10	138,140,157,233	0
83	MG	1	4042	1/1	0.91	0.10	48,48,48,48	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
83	MG	AR	4119	1/1	0.91	0.19	60,60,60,60	0
83	MG	1	3757	1/1	0.91	0.24	47,47,47,47	0
82	OHX	sR	2016	7/7	0.91	0.09	157,173,190,287	0
83	MG	AR	3962	1/1	0.91	0.11	61,61,61,61	0
83	MG	A	2040	1/1	0.91	0.13	73,73,73,73	0
82	OHX	CS	201	7/7	0.91	0.10	117,122,125,220	0
83	MG	AR	3813	1/1	0.91	0.17	71,71,71,71	0
83	MG	1	3853	1/1	0.91	0.28	67,67,67,67	0
82	OHX	A	1936	7/7	0.91	0.08	186,190,197,263	0
83	MG	AR	4131	1/1	0.91	0.13	67,67,67,67	0
83	MG	1	3687	1/1	0.91	0.16	60,60,60,60	0
83	MG	1	3688	1/1	0.91	0.34	66,66,66,66	0
83	MG	AR	4135	1/1	0.91	0.12	77,77,77,77	0
83	MG	AR	3697	1/1	0.91	0.28	60,60,60,60	0
83	MG	1	3689	1/1	0.91	0.18	57,57,57,57	0
83	MG	1	3858	1/1	0.91	0.06	46,46,46,46	0
83	MG	AR	3978	1/1	0.91	0.09	76,76,76,76	0
83	MG	1	3860	1/1	0.91	0.26	70,70,70,70	0
83	MG	sR	2129	1/1	0.91	0.12	91,91,91,91	0
83	MG	AR	3827	1/1	0.91	0.22	49,49,49,49	0
83	MG	sR	2131	1/1	0.91	0.27	65,65,65,65	0
83	MG	1	4065	1/1	0.91	0.21	56,56,56,56	0
82	OHX	A	1938	7/7	0.91	0.09	195,201,219,265	0
83	MG	AR	3986	1/1	0.91	0.17	73,73,73,73	0
82	OHX	sR	2020	7/7	0.91	0.12	184,200,228,322	0
83	MG	1	3772	1/1	0.91	0.16	53,53,53,53	0
83	MG	1	3628	1/1	0.91	0.28	63,63,63,63	0
82	OHX	AR	3648	7/7	0.91	0.10	152,158,170,255	0
83	MG	AR	3840	1/1	0.91	0.33	58,58,58,58	0
83	MG	1	3695	1/1	0.91	0.17	54,54,54,54	0
82	OHX	A	1941	7/7	0.91	0.10	142,143,159,240	0
82	OHX	AR	3581	7/7	0.91	0.09	142,147,167,247	0
82	OHX	AR	3651	7/7	0.91	0.08	192,197,208,295	0
82	OHX	AR	3617	7/7	0.91	0.09	151,157,172,249	0
82	OHX	A	1954	6/7	0.91	0.09	221,229,232,268	0
83	MG	AS	221	1/1	0.91	0.22	84,84,84,84	0
83	MG	3	209	1/1	0.91	0.26	56,56,56,56	0
82	OHX	AR	3529	7/7	0.91	0.14	75,97,108,191	0
83	MG	sR	2152	1/1	0.91	0.21	64,64,64,64	0
82	OHX	A	1956	7/7	0.91	0.11	148,158,171,218	0
83	MG	AS	226	1/1	0.91	0.35	56,56,56,56	0
83	MG	sR	2155	1/1	0.91	0.21	52,52,52,52	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
83	MG	1	3640	1/1	0.91	0.20	57,57,57,57	0
82	OHX	AR	3654	6/7	0.91	0.10	192,208,228,313	0
83	MG	A	2079	1/1	0.91	0.16	65,65,65,65	0
82	OHX	AR	3620	7/7	0.91	0.10	139,152,171,242	0
83	MG	AR	3724	1/1	0.91	0.12	63,63,63,63	0
83	MG	4	217	1/1	0.91	0.28	50,50,50,50	0
82	OHX	AR	3621	7/7	0.91	0.08	167,179,196,260	0
83	MG	1	3647	1/1	0.91	0.08	91,91,91,91	0
83	MG	AT	223	1/1	0.91	0.22	77,77,77,77	0
82	OHX	AR	3622	7/7	0.91	0.09	184,195,202,271	0
83	MG	AR	3865	1/1	0.91	0.10	64,64,64,64	0
83	MG	AR	3729	1/1	0.91	0.15	75,75,75,75	0
83	MG	AR	3869	1/1	0.91	0.07	47,47,47,47	0
83	MG	s6	301	1/1	0.91	0.09	115,115,115,115	0
83	MG	1	3984	1/1	0.91	0.10	81,81,81,81	0
83	MG	AT	231	1/1	0.91	0.10	45,45,45,45	0
83	MG	1	3801	1/1	0.91	0.10	63,63,63,63	0
83	MG	A	2095	1/1	0.91	0.20	71,71,71,71	0
83	MG	AR	3874	1/1	0.91	0.28	65,65,65,65	0
82	OHX	1	3569	7/7	0.91	0.08	202,203,219,273	0
83	MG	4	224	1/1	0.91	0.07	57,57,57,57	0
82	OHX	1	3571	7/7	0.91	0.09	150,172,185,253	0
83	MG	1	3718	1/1	0.91	0.24	46,46,46,46	0
83	MG	d3	201	1/1	0.91	0.17	69,69,69,69	0
83	MG	A	2153	1/1	0.91	0.08	134,134,134,134	0
83	MG	d3	203	1/1	0.91	0.22	58,58,58,58	0
83	MG	AR	4027	1/1	0.91	0.07	55,55,55,55	0
83	MG	AR	3738	1/1	0.91	0.21	62,62,62,62	0
83	MG	1	3902	1/1	0.91	0.11	51,51,51,51	0
83	MG	j	302	1/1	0.91	0.16	71,71,71,71	0
83	MG	AR	3887	1/1	0.91	0.25	54,54,54,54	0
83	MG	1	3722	1/1	0.91	0.40	46,46,46,46	0
83	MG	P	201	1/1	0.91	0.07	72,72,72,72	0
83	MG	X	201	1/1	0.91	0.10	54,54,54,54	0
84	K	AR	4167	1/1	0.91	0.13	139,139,139,139	0
83	MG	l	401	1/1	0.91	0.34	45,45,45,45	0
82	OHX	A	1969	7/7	0.91	0.09	219,231,237,294	0
83	MG	CP	304	1/1	0.91	0.11	73,73,73,73	0
83	MG	1	3809	1/1	0.91	0.32	48,48,48,48	0
83	MG	AR	4045	1/1	0.91	0.10	63,63,63,63	0
83	MG	1	4177	1/1	0.92	0.09	82,82,82,82	0
83	MG	1	3875	1/1	0.92	0.22	68,68,68,68	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
82	OHX	1	4110	7/7	0.92	0.08	212,217,233,310	0
82	OHX	AR	3604	7/7	0.92	0.11	125,143,155,248	0
83	MG	AR	3831	1/1	0.92	0.28	50,50,50,50	0
83	MG	AR	4100	1/1	0.92	0.21	66,66,66,66	0
83	MG	1	3627	1/1	0.92	0.14	60,60,60,60	0
82	OHX	1	3570	7/7	0.92	0.09	134,146,179,262	0
83	MG	AR	3834	1/1	0.92	0.29	44,44,44,44	0
82	OHX	A	2133	7/7	0.92	0.10	169,172,175,253	0
83	MG	AR	3968	1/1	0.92	0.14	53,53,53,53	0
83	MG	A	2008	1/1	0.92	0.30	53,53,53,53	0
83	MG	AR	4107	1/1	0.92	0.09	54,54,54,54	0
83	MG	AR	3969	1/1	0.92	0.15	59,59,59,59	0
83	MG	AR	3838	1/1	0.92	0.23	48,48,48,48	0
83	MG	sR	2069	1/1	0.92	0.23	54,54,54,54	0
83	MG	3	213	1/1	0.92	0.07	49,49,49,49	0
82	OHX	k	403	7/7	0.92	0.11	119,122,130,204	0
83	MG	AR	4112	1/1	0.92	0.14	50,50,50,50	0
83	MG	1	3790	1/1	0.92	0.26	58,58,58,58	0
82	OHX	AR	3609	7/7	0.92	0.12	121,125,139,250	0
83	MG	1	3632	1/1	0.92	0.06	51,51,51,51	0
82	OHX	1	3547	7/7	0.92	0.09	130,145,163,238	0
83	MG	AR	4123	1/1	0.92	0.13	70,70,70,70	0
82	OHX	A	1928	7/7	0.92	0.10	178,187,198,257	0
83	MG	1	3706	1/1	0.92	0.16	48,48,48,48	0
82	OHX	1	3528	7/7	0.92	0.10	158,166,172,253	0
82	OHX	AR	3613	7/7	0.92	0.10	135,148,154,248	0
82	OHX	1	3587	7/7	0.92	0.09	152,156,172,256	0
83	MG	A	2027	1/1	0.92	0.19	69,69,69,69	0
83	MG	1	3897	1/1	0.92	0.11	61,61,61,61	0
83	MG	AR	3730	1/1	0.92	0.25	48,48,48,48	0
82	OHX	1	3530	7/7	0.92	0.08	136,141,157,234	0
82	OHX	1	3531	7/7	0.92	0.09	127,134,136,225	0
83	MG	1	3900	1/1	0.92	0.09	53,53,53,53	0
83	MG	AR	3994	1/1	0.92	0.14	62,62,62,62	0
83	MG	sR	2093	1/1	0.92	0.18	65,65,65,65	0
83	MG	sR	2094	1/1	0.92	0.18	56,56,56,56	0
82	OHX	A	1945	7/7	0.92	0.09	177,187,204,276	0
82	OHX	1	4051	7/7	0.92	0.09	121,128,139,236	0
82	OHX	1	3537	7/7	0.92	0.12	104,107,122,211	0
83	MG	1	3810	1/1	0.92	0.13	66,66,66,66	0
82	OHX	A	1953	7/7	0.92	0.10	156,161,174,235	0
83	MG	AR	3868	1/1	0.92	0.16	54,54,54,54	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
82	OHX	AR	3579	7/7	0.92	0.10	115,125,136,208	0
82	OHX	1	3506	7/7	0.92	0.10	97,110,124,198	0
83	MG	AR	3871	1/1	0.92	0.08	64,64,64,64	0
83	MG	1	4002	1/1	0.92	0.09	52,52,52,52	0
83	MG	AR	3873	1/1	0.92	0.13	49,49,49,49	0
83	MG	A	2048	1/1	0.92	0.10	76,76,76,76	0
82	OHX	AR	3584	7/7	0.92	0.10	115,125,150,223	0
83	MG	1	4004	1/1	0.92	0.17	62,62,62,62	0
83	MG	AR	3749	1/1	0.92	0.17	46,46,46,46	0
82	OHX	AR	3626	7/7	0.92	0.09	121,129,138,226	0
82	OHX	3	204	7/7	0.92	0.09	150,156,162,243	0
82	OHX	sR	1967	7/7	0.92	0.11	152,152,164,224	0
83	MG	AS	216	1/1	0.92	0.14	57,57,57,57	0
82	OHX	1	4103	7/7	0.92	0.10	105,125,142,219	0
83	MG	AR	4016	1/1	0.92	0.27	66,66,66,66	0
82	OHX	1	3546	7/7	0.92	0.08	209,216,228,290	0
83	MG	AR	4018	1/1	0.92	0.18	65,65,65,65	0
83	MG	v	302	1/1	0.92	0.10	56,56,56,56	0
82	OHX	A	1964	7/7	0.92	0.08	163,174,182,244	0
83	MG	AS	225	1/1	0.92	0.08	59,59,59,59	0
82	OHX	AR	3532	7/7	0.92	0.10	122,123,146,221	0
82	OHX	AR	3533	7/7	0.92	0.14	143,147,156,250	0
83	MG	1	3664	1/1	0.92	0.19	46,46,46,46	0
83	MG	1	3665	1/1	0.92	0.18	46,46,46,46	0
82	OHX	A	1968	7/7	0.92	0.09	160,178,181,256	0
83	MG	1	3924	1/1	0.92	0.10	68,68,68,68	0
83	MG	AR	4028	1/1	0.92	0.14	47,47,47,47	0
83	MG	1	4019	1/1	0.92	0.23	49,49,49,49	0
83	MG	x	207	1/1	0.92	0.21	49,49,49,49	0
83	MG	AT	224	1/1	0.92	0.08	71,71,71,71	0
82	OHX	1	3580	7/7	0.92	0.07	209,216,225,297	0
83	MG	1	3668	1/1	0.92	0.19	68,68,68,68	0
83	MG	AR	4035	1/1	0.92	0.07	57,57,57,57	0
82	OHX	AR	3537	7/7	0.92	0.12	125,140,155,208	0
83	MG	sR	2140	1/1	0.92	0.09	67,67,67,67	0
82	OHX	sR	1988	7/7	0.92	0.08	157,172,192,271	0
82	OHX	sR	1989	7/7	0.92	0.09	157,167,188,264	0
83	MG	9	201	1/1	0.92	0.09	45,45,45,45	0
82	OHX	A	1972	7/7	0.92	0.08	176,188,203,268	0
83	MG	A	2082	1/1	0.92	0.28	52,52,52,52	0
83	MG	1	4027	1/1	0.92	0.20	73,73,73,73	0
83	MG	AB	204	1/1	0.92	0.10	55,55,55,55	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
82	OHX	AT	211	7/7	0.92	0.09	132,150,164,255	0
83	MG	AR	4050	1/1	0.92	0.14	52,52,52,52	0
83	MG	AR	3913	1/1	0.92	0.20	50,50,50,50	0
83	MG	1	3753	1/1	0.92	0.25	47,47,47,47	0
83	MG	AR	3785	1/1	0.92	0.31	46,46,46,46	0
82	OHX	A	1975	7/7	0.92	0.07	238,244,257,327	0
83	MG	CL	301	1/1	0.92	0.11	51,51,51,51	0
83	MG	1	4032	1/1	0.92	0.25	57,57,57,57	0
83	MG	AR	3789	1/1	0.92	0.19	52,52,52,52	0
82	OHX	1	3581	7/7	0.92	0.08	171,189,205,286	0
83	MG	1	3607	1/1	0.92	0.28	56,56,56,56	0
82	OHX	AT	215	7/7	0.92	0.08	172,178,199,270	0
82	OHX	A	2113	7/7	0.92	0.11	115,120,129,203	0
83	MG	A	2100	1/1	0.92	0.09	79,79,79,79	0
83	MG	CQ	202	1/1	0.92	0.35	97,97,97,97	0
83	MG	CQ	203	1/1	0.92	0.10	50,50,50,50	0
83	MG	sR	2184	1/1	0.92	0.07	95,95,95,95	0
83	MG	1	3611	1/1	0.92	0.15	55,55,55,55	0
83	MG	CR	202	1/1	0.92	0.20	48,48,48,48	0
83	MG	s1	302	1/1	0.92	0.11	74,74,74,74	0
82	OHX	AR	3548	7/7	0.92	0.09	112,120,142,205	0
83	MG	1	4041	1/1	0.92	0.11	58,58,58,58	0
83	MG	1	3944	1/1	0.92	0.13	59,59,59,59	0
82	OHX	A	2122	7/7	0.92	0.10	138,149,160,233	0
83	MG	CU	201	1/1	0.92	0.25	74,74,74,74	0
83	MG	CX	202	1/1	0.92	0.22	47,47,47,47	0
83	MG	1	3763	1/1	0.92	0.32	49,49,49,49	0
83	MG	1	3617	1/1	0.92	0.19	50,50,50,50	0
82	OHX	sR	2003	7/7	0.92	0.09	156,160,171,255	0
83	MG	AR	4074	1/1	0.92	0.07	66,66,66,66	0
82	OHX	1	3557	7/7	0.92	0.10	127,131,162,213	0
83	MG	AR	3805	1/1	0.92	0.24	53,53,53,53	0
83	MG	1	3952	1/1	0.92	0.10	77,77,77,77	0
82	OHX	A	2126[A]	7/7	0.92	0.14	114,116,119,153	7
83	MG	1	3690	1/1	0.92	0.22	51,51,51,51	0
83	MG	1	3861	1/1	0.92	0.33	70,70,70,70	0
83	MG	1	3864	1/1	0.92	0.09	50,50,50,50	0
83	MG	AR	4082	1/1	0.92	0.19	50,50,50,50	0
83	MG	1	3865	1/1	0.92	0.11	75,75,75,75	0
83	MG	AR	3947	1/1	0.92	0.16	66,66,66,66	0
82	OHX	A	2126[B]	7/7	0.92	0.14	116,116,121,149	7
83	MG	sR	2038	1/1	0.92	0.34	61,61,61,61	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
83	MG	1	3774	1/1	0.92	0.30	51,51,51,51	0
83	MG	AR	3819	1/1	0.92	0.21	46,46,46,46	0
83	MG	1	3868	1/1	0.92	0.15	72,72,72,72	0
82	OHX	1	3558	7/7	0.92	0.09	147,154,173,249	0
82	OHX	AR	3554	7/7	0.92	0.11	138,145,160,238	0
87	ZN	c	101	1/1	0.92	0.06	226,226,226,226	0
83	MG	1	3872	1/1	0.92	0.09	47,47,47,47	0
82	OHX	sR	2010	7/7	0.92	0.08	169,173,184,257	0
83	MG	1	3911	1/1	0.93	0.11	68,68,68,68	0
83	MG	AR	3854	1/1	0.93	0.14	59,59,59,59	0
82	OHX	A	1943	7/7	0.93	0.10	161,163,179,243	0
82	OHX	AR	4144	7/7	0.93	0.08	148,152,173,255	0
83	MG	1	3794	1/1	0.93	0.10	50,50,50,50	0
82	OHX	sR	1916[A]	7/7	0.93	0.20	94,95,100,109	7
83	MG	CF	405	1/1	0.93	0.18	67,67,67,67	0
82	OHX	sR	1916[B]	7/7	0.93	0.20	86,90,100,103	7
82	OHX	sR	1927	7/7	0.93	0.13	113,116,131,164	0
83	MG	AR	3710	1/1	0.93	0.12	54,54,54,54	0
83	MG	AR	3864	1/1	0.93	0.19	63,63,63,63	0
82	OHX	sR	1941	7/7	0.93	0.09	169,171,183,227	0
83	MG	AR	4029	1/1	0.93	0.06	68,68,68,68	0
83	MG	AR	4030	1/1	0.93	0.18	84,84,84,84	0
83	MG	1	3803	1/1	0.93	0.11	50,50,50,50	0
83	MG	AR	3715	1/1	0.93	0.34	61,61,61,61	0
82	OHX	sR	1944	7/7	0.93	0.13	110,121,140,175	0
83	MG	CQ	201	1/1	0.93	0.14	59,59,59,59	0
82	OHX	sR	1951	7/7	0.93	0.11	130,139,147,194	0
82	OHX	1	4062	7/7	0.93	0.09	121,128,149,221	0
82	OHX	sR	1961	7/7	0.93	0.11	117,125,143,215	0
83	MG	AR	4039	1/1	0.93	0.12	60,60,60,60	0
82	OHX	sR	1962	7/7	0.93	0.12	120,125,145,220	0
83	MG	AR	4041	1/1	0.93	0.15	60,60,60,60	0
83	MG	1	4059	1/1	0.93	0.20	51,51,51,51	0
83	MG	CR	206	1/1	0.93	0.12	51,51,51,51	0
83	MG	CR	207	1/1	0.93	0.18	49,49,49,49	0
83	MG	AR	4043	1/1	0.93	0.16	57,57,57,57	0
82	OHX	A	1949	7/7	0.93	0.09	164,170,174,229	0
82	OHX	AR	3557	7/7	0.93	0.09	137,146,156,225	0
83	MG	1	3700	1/1	0.93	0.17	58,58,58,58	0
82	OHX	sR	1970	7/7	0.93	0.11	122,136,153,218	0
83	MG	sR	2055	1/1	0.93	0.23	62,62,62,62	0
83	MG	1	3934	1/1	0.93	0.10	64,64,64,64	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
83	MG	DH	201	1/1	0.93	0.17	54,54,54,54	0
83	MG	DI	203	1/1	0.93	0.13	73,73,73,73	0
83	MG	1	3814	1/1	0.93	0.25	75,75,75,75	0
82	OHX	A	1952	7/7	0.93	0.08	165,171,181,249	0
82	OHX	AR	3558	7/7	0.93	0.08	140,144,157,224	0
83	MG	1	3614	1/1	0.93	0.14	48,48,48,48	0
83	MG	DQ	503	1/1	0.93	0.06	69,69,69,69	0
83	MG	sM	301	1/1	0.93	0.07	53,53,53,53	0
83	MG	AR	4054	1/1	0.93	0.18	101,101,101,101	0
83	MG	AR	4055	1/1	0.93	0.17	89,89,89,89	0
82	OHX	sR	1974	7/7	0.93	0.09	135,136,145,210	0
83	MG	1	4163	1/1	0.93	0.08	63,63,63,63	0
82	OHX	1	4087	7/7	0.93	0.11	113,128,135,188	0
83	MG	1	4176	1/1	0.93	0.10	106,106,106,106	0
82	OHX	AR	3562	7/7	0.93	0.10	124,136,153,225	0
83	MG	sR	2075	1/1	0.93	0.14	68,68,68,68	0
82	OHX	sR	1978	7/7	0.93	0.10	151,158,174,234	0
82	OHX	1	4091	7/7	0.93	0.10	109,111,119,208	0
83	MG	AR	3896	1/1	0.93	0.17	61,61,61,61	0
83	MG	AR	4064	1/1	0.93	0.13	92,92,92,92	0
83	MG	AR	3739	1/1	0.93	0.18	66,66,66,66	0
82	OHX	A	1957	7/7	0.93	0.08	176,185,198,257	0
82	OHX	sR	1982	7/7	0.93	0.10	150,156,161,226	0
82	OHX	AR	3647	7/7	0.93	0.12	119,130,141,232	0
83	MG	1	3717	1/1	0.93	0.28	47,47,47,47	0
82	OHX	AR	4152	7/7	0.93	0.08	197,209,222,285	0
83	MG	1	3720	1/1	0.93	0.12	49,49,49,49	0
83	MG	1	3721	1/1	0.93	0.06	48,48,48,48	0
82	OHX	A	1961	7/7	0.93	0.07	195,201,211,281	0
83	MG	sR	2090	1/1	0.93	0.31	61,61,61,61	0
83	MG	AR	3909	1/1	0.93	0.38	72,72,72,72	0
83	MG	3	218	1/1	0.93	0.18	61,61,61,61	0
82	OHX	1	4092	7/7	0.93	0.09	118,130,155,215	0
83	MG	AR	3754	1/1	0.93	0.05	48,48,48,48	0
83	MG	1	3957	1/1	0.93	0.17	55,55,55,55	0
82	OHX	sR	1990	7/7	0.93	0.09	161,169,182,257	0
83	MG	1	3959	1/1	0.93	0.13	75,75,75,75	0
82	OHX	sR	1991	7/7	0.93	0.09	143,153,162,230	0
83	MG	AR	3759	1/1	0.93	0.19	54,54,54,54	0
83	MG	1	3726	1/1	0.93	0.23	49,49,49,49	0
82	OHX	1	3552	7/7	0.93	0.08	169,176,185,249	0
83	MG	1	3728	1/1	0.93	0.28	48,48,48,48	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
83	MG	1	3730	1/1	0.93	0.19	45,45,45,45	0
82	OHX	AR	3650	7/7	0.93	0.08	193,197,207,263	0
82	OHX	AR	3567	7/7	0.93	0.09	134,145,161,234	0
83	MG	AR	3767	1/1	0.93	0.31	48,48,48,48	0
82	OHX	AR	3612	7/7	0.93	0.11	122,137,152,239	0
82	OHX	sR	1998	7/7	0.93	0.08	141,142,147,236	0
83	MG	AR	3929	1/1	0.93	0.08	63,63,63,63	0
82	OHX	AR	3568	7/7	0.93	0.09	108,118,141,214	0
83	MG	k	402	1/1	0.93	0.20	48,48,48,48	0
83	MG	A	2024	1/1	0.93	0.14	64,64,64,64	0
83	MG	1	3851	1/1	0.93	0.23	78,78,78,78	0
83	MG	sR	2115	1/1	0.93	0.17	73,73,73,73	0
82	OHX	AR	4160	7/7	0.93	0.18	88,90,98,118	7
83	MG	AR	3939	1/1	0.93	0.23	50,50,50,50	0
83	MG	1	3972	1/1	0.93	0.21	47,47,47,47	0
83	MG	l	404	1/1	0.93	0.36	49,49,49,49	0
82	OHX	AR	3614	7/7	0.93	0.08	152,164,172,251	0
83	MG	sR	2121	1/1	0.93	0.19	70,70,70,70	0
83	MG	A	2031	1/1	0.93	0.17	53,53,53,53	0
82	OHX	AR	3655	7/7	0.93	0.09	173,177,184,268	0
82	OHX	AS	204	7/7	0.93	0.12	109,116,130,204	0
83	MG	1	3642	1/1	0.93	0.20	46,46,46,46	0
82	OHX	A	1974	7/7	0.93	0.09	134,142,163,220	0
83	MG	A	2036	1/1	0.93	0.19	70,70,70,70	0
83	MG	1	3859	1/1	0.93	0.09	73,73,73,73	0
83	MG	1	3645	1/1	0.93	0.15	72,72,72,72	0
83	MG	AR	3787	1/1	0.93	0.23	45,45,45,45	0
82	OHX	sR	2005	7/7	0.93	0.09	166,170,183,261	0
83	MG	1	3863	1/1	0.93	0.13	57,57,57,57	0
82	OHX	1	3543	7/7	0.93	0.07	141,154,166,228	0
82	OHX	AR	3492	7/7	0.93	0.12	106,115,126,206	0
83	MG	1	3987	1/1	0.93	0.20	77,77,77,77	0
83	MG	AR	3956	1/1	0.93	0.13	56,56,56,56	0
83	MG	AR	3793	1/1	0.93	0.14	58,58,58,58	0
83	MG	1	3748	1/1	0.93	0.14	54,54,54,54	0
82	OHX	1	4101	7/7	0.93	0.10	143,147,156,219	0
82	OHX	3	203	7/7	0.93	0.09	131,142,163,218	0
82	OHX	1	3544	7/7	0.93	0.10	127,143,156,226	0
82	OHX	AR	3513	7/7	0.93	0.14	103,107,118,188	0
82	OHX	A	2123	7/7	0.93	0.11	128,131,137,198	0
82	OHX	AR	3514	7/7	0.93	0.10	121,136,142,208	0
83	MG	1	3874	1/1	0.93	0.09	63,63,63,63	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
83	MG	sR	2148	1/1	0.93	0.21	52,52,52,52	0
82	OHX	3	205	7/7	0.93	0.10	157,160,166,226	0
83	MG	AR	4172	1/1	0.93	0.06	97,97,97,97	0
82	OHX	AR	3625	7/7	0.93	0.08	142,155,162,242	0
82	OHX	1	3516	7/7	0.93	0.09	126,138,162,233	0
83	MG	1	3878	1/1	0.93	0.11	59,59,59,59	0
83	MG	AR	4183	1/1	0.93	0.07	101,101,101,101	0
82	OHX	1	3491	7/7	0.93	0.11	93,114,116,205	0
82	OHX	3	220	7/7	0.93	0.08	171,177,179,289	0
82	OHX	1	3548	7/7	0.93	0.08	155,160,173,237	0
83	MG	sR	2159	1/1	0.93	0.21	72,72,72,72	0
82	OHX	A	2131	7/7	0.93	0.08	221,221,229,323	0
83	MG	1	3764	1/1	0.93	0.15	49,49,49,49	0
83	MG	1	4008	1/1	0.93	0.10	93,93,93,93	0
83	MG	AR	3815	1/1	0.93	0.25	50,50,50,50	0
83	MG	AR	4203	1/1	0.93	0.12	123,123,123,123	0
83	MG	AR	3981	1/1	0.93	0.27	69,69,69,69	0
82	OHX	4	201	7/7	0.93	0.12	102,105,121,182	0
82	OHX	AR	3590	7/7	0.93	0.12	137,141,145,228	0
83	MG	AR	3985	1/1	0.93	0.08	62,62,62,62	0
82	OHX	AR	3591	7/7	0.93	0.08	166,175,187,285	0
83	MG	1	3669	1/1	0.93	0.15	54,54,54,54	0
83	MG	1	3889	1/1	0.93	0.16	97,97,97,97	0
83	MG	A	2077	1/1	0.93	0.16	70,70,70,70	0
83	MG	AR	3675	1/1	0.93	0.14	55,55,55,55	0
83	MG	AS	217	1/1	0.93	0.07	68,68,68,68	0
82	OHX	1	3492	7/7	0.93	0.10	117,130,140,216	0
83	MG	c1	201	1/1	0.93	0.20	75,75,75,75	0
82	OHX	A	1915	7/7	0.93	0.11	103,119,132,183	0
83	MG	AS	220	1/1	0.93	0.29	54,54,54,54	0
83	MG	AR	3678	1/1	0.93	0.18	48,48,48,48	0
82	OHX	A	1918	7/7	0.93	0.12	114,128,138,194	0
82	OHX	A	1920	7/7	0.93	0.10	144,154,164,220	0
82	OHX	AR	4138	7/7	0.93	0.12	131,134,143,233	0
83	MG	1	3777	1/1	0.93	0.17	46,46,46,46	0
83	MG	1	3778	1/1	0.93	0.16	45,45,45,45	0
82	OHX	A	1934	7/7	0.93	0.10	137,145,157,212	0
82	OHX	A	1935	7/7	0.93	0.11	140,151,157,236	0
83	MG	AR	3688	1/1	0.93	0.08	54,54,54,54	0
83	MG	AR	4003	1/1	0.93	0.22	46,46,46,46	0
82	OHX	A	2142	7/7	0.93	0.23	100,102,110,115	7
83	MG	1	3782	1/1	0.93	0.31	46,46,46,46	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
82	OHX	1	3592	7/7	0.93	0.09	133,147,157,255	0
83	MG	AR	3694	1/1	0.93	0.07	48,48,48,48	0
82	OHX	A	1937	7/7	0.93	0.08	146,153,171,241	0
82	OHX	AR	3546	7/7	0.93	0.09	109,120,131,224	0
84	K	AR	4166	1/1	0.93	0.08	94,94,94,94	0
83	MG	1	3788	1/1	0.93	0.30	46,46,46,46	0
83	MG	AR	3847	1/1	0.93	0.15	59,59,59,59	0
83	MG	1	4030	1/1	0.93	0.19	60,60,60,60	0
82	OHX	1	3539	7/7	0.93	0.08	135,142,153,228	0
82	OHX	1	3512	7/7	0.93	0.10	153,155,177,251	0
83	MG	A	2156	1/1	0.93	0.06	91,91,91,91	0
82	OHX	1	3595	7/7	0.93	0.12	125,127,146,225	0
83	MG	DL	102	1/1	0.94	0.12	46,46,46,46	0
83	MG	AR	3932	1/1	0.94	0.18	64,64,64,64	0
83	MG	AF	202	1/1	0.94	0.07	62,62,62,62	0
82	OHX	A	1924	7/7	0.94	0.09	143,144,150,216	0
82	OHX	A	1926	7/7	0.94	0.10	128,137,150,196	0
83	MG	1	3923	1/1	0.94	0.12	56,56,56,56	0
82	OHX	A	1927	7/7	0.94	0.09	152,157,166,214	0
83	MG	sR	2047	1/1	0.94	0.23	60,60,60,60	0
83	MG	A	1978	1/1	0.94	0.15	64,64,64,64	0
82	OHX	1	3578	7/7	0.94	0.07	157,160,167,220	0
82	OHX	A	1929	7/7	0.94	0.11	116,118,135,205	0
83	MG	sR	2052	1/1	0.94	0.10	53,53,53,53	0
83	MG	AR	3674	1/1	0.94	0.07	56,56,56,56	0
83	MG	1	3829	1/1	0.94	0.14	61,61,61,61	0
82	OHX	A	1932	7/7	0.94	0.10	132,142,150,233	0
82	OHX	AR	4137	7/7	0.94	0.10	156,165,180,275	0
82	OHX	AR	3505	7/7	0.94	0.10	95,111,129,188	0
83	MG	AR	3679	1/1	0.94	0.22	49,49,49,49	0
82	OHX	1	3534	7/7	0.94	0.09	133,145,147,222	0
83	MG	1	3834	1/1	0.94	0.29	56,56,56,56	0
82	OHX	AR	3512	7/7	0.94	0.09	164,168,179,219	0
83	MG	A	1993	1/1	0.94	0.15	54,54,54,54	0
83	MG	1	4040	1/1	0.94	0.13	48,48,48,48	0
83	MG	sR	2066	1/1	0.94	0.18	49,49,49,49	0
82	OHX	AR	3576	7/7	0.94	0.10	145,151,156,203	0
83	MG	1	3937	1/1	0.94	0.13	57,57,57,57	0
82	OHX	1	3536	7/7	0.94	0.07	124,137,157,232	0
82	OHX	1	3500	7/7	0.94	0.09	148,162,166,209	0
83	MG	1	3661	1/1	0.94	0.23	70,70,70,70	0
83	MG	AR	3818	1/1	0.94	0.24	46,46,46,46	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
82	OHX	AR	3633	7/7	0.94	0.07	137,148,160,231	0
83	MG	1	3841	1/1	0.94	0.09	47,47,47,47	0
83	MG	AR	3821	1/1	0.94	0.18	46,46,46,46	0
83	MG	AR	4104	1/1	0.94	0.08	49,49,49,49	0
83	MG	1	3663	1/1	0.94	0.29	47,47,47,47	0
82	OHX	AR	3580	7/7	0.94	0.14	121,128,141,210	0
83	MG	1	4057	1/1	0.94	0.06	49,49,49,49	0
82	OHX	h	401	7/7	0.94	0.07	205,207,214,275	0
83	MG	AR	3967	1/1	0.94	0.25	65,65,65,65	0
82	OHX	sR	1901	7/7	0.94	0.08	142,143,147,241	0
82	OHX	AR	3517	7/7	0.94	0.10	122,132,137,196	0
83	MG	AR	3970	1/1	0.94	0.12	46,46,46,46	0
83	MG	sR	2085	1/1	0.94	0.13	75,75,75,75	0
82	OHX	AR	3518	7/7	0.94	0.10	92,107,112,177	0
83	MG	1	3852	1/1	0.94	0.20	66,66,66,66	0
83	MG	AR	3973	1/1	0.94	0.11	56,56,56,56	0
83	MG	1	4066	1/1	0.94	0.23	63,63,63,63	0
83	MG	AR	3703	1/1	0.94	0.32	49,49,49,49	0
82	OHX	sR	1920	7/7	0.94	0.12	90,109,123,159	0
82	OHX	sR	2171	7/7	0.94	0.10	99,114,123,207	0
82	OHX	AR	3519	7/7	0.94	0.10	118,136,146,215	0
83	MG	1	3955	1/1	0.94	0.16	69,69,69,69	0
83	MG	sR	2095	1/1	0.94	0.18	63,63,63,63	0
83	MG	1	4158	1/1	0.94	0.09	97,97,97,97	0
82	OHX	AR	3520	7/7	0.94	0.09	89,105,145,192	0
83	MG	AR	3983	1/1	0.94	0.09	73,73,73,73	0
82	OHX	AR	3523	7/7	0.94	0.09	131,137,161,231	0
82	OHX	sR	1945	7/7	0.94	0.09	144,154,158,200	0
83	MG	1	4167	1/1	0.94	0.08	98,98,98,98	0
82	OHX	1	3469	7/7	0.94	0.11	103,109,124,167	0
82	OHX	1	3540	7/7	0.94	0.07	150,152,174,244	0
83	MG	AR	3846	1/1	0.94	0.21	61,61,61,61	0
82	OHX	sR	1955	7/7	0.94	0.09	184,185,189,237	0
83	MG	AR	3991	1/1	0.94	0.04	73,73,73,73	0
83	MG	1	4178	1/1	0.94	0.07	120,120,120,120	0
83	MG	AR	4184	1/1	0.94	0.07	111,111,111,111	0
83	MG	1	4179	1/1	0.94	0.08	78,78,78,78	0
83	MG	AR	4186	1/1	0.94	0.09	69,69,69,69	0
82	OHX	sR	1956	7/7	0.94	0.09	165,169,177,208	0
83	MG	1	3768	1/1	0.94	0.25	50,50,50,50	0
83	MG	AR	3852	1/1	0.94	0.13	46,46,46,46	0
83	MG	AR	4192	1/1	0.94	0.12	53,53,53,53	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
82	OHX	sR	1960	7/7	0.94	0.09	133,138,152,205	0
82	OHX	1	3474	7/7	0.94	0.10	104,110,130,180	0
83	MG	AR	4201	1/1	0.94	0.12	97,97,97,97	0
82	OHX	AR	3530	7/7	0.94	0.10	123,129,140,206	0
83	MG	3	211	1/1	0.94	0.23	49,49,49,49	0
82	OHX	AR	3593	7/7	0.94	0.08	119,130,158,213	0
82	OHX	1	3525	7/7	0.94	0.07	137,145,163,218	0
83	MG	1	3870	1/1	0.94	0.08	62,62,62,62	0
82	OHX	sR	1968	7/7	0.94	0.11	130,134,150,205	0
82	OHX	sR	1969	7/7	0.94	0.10	127,136,147,225	0
82	OHX	4	208	7/7	0.94	0.07	117,134,149,251	0
83	MG	4	214	1/1	0.94	0.16	45,45,45,45	0
82	OHX	sR	1971	7/7	0.94	0.08	139,150,161,235	0
82	OHX	1	3514	7/7	0.94	0.09	143,149,162,227	0
82	OHX	AR	3536	7/7	0.94	0.10	119,126,150,200	0
82	OHX	1	3505	7/7	0.94	0.08	135,137,154,226	0
82	OHX	1	4107	7/7	0.94	0.07	174,179,190,287	0
83	MG	1	3783	1/1	0.94	0.15	49,49,49,49	0
83	MG	1	3784	1/1	0.94	0.20	55,55,55,55	0
82	OHX	AR	3544	7/7	0.94	0.09	106,119,132,222	0
82	OHX	AS	207	7/7	0.94	0.09	121,129,136,198	0
82	OHX	1	3468	7/7	0.94	0.12	104,119,126,181	0
83	MG	AR	3745	1/1	0.94	0.22	47,47,47,47	0
82	OHX	AR	3547	7/7	0.94	0.09	127,138,153,224	0
83	MG	AR	3879	1/1	0.94	0.16	67,67,67,67	0
83	MG	AT	204	1/1	0.94	0.24	54,54,54,54	0
83	MG	AR	4023	1/1	0.94	0.06	57,57,57,57	0
83	MG	1	3986	1/1	0.94	0.13	54,54,54,54	0
82	OHX	1	3604	7/7	0.94	0.12	93,111,130,155	0
83	MG	AR	3885	1/1	0.94	0.13	48,48,48,48	0
82	OHX	1	3589	7/7	0.94	0.11	100,103,119,178	0
83	MG	AT	222	1/1	0.94	0.07	85,85,85,85	0
82	OHX	sR	1986	7/7	0.94	0.09	142,147,168,228	0
82	OHX	AT	209	7/7	0.94	0.10	144,152,178,226	0
82	OHX	AR	3607	7/7	0.94	0.09	105,112,120,211	0
83	MG	1	3891	1/1	0.94	0.07	72,72,72,72	0
82	OHX	1	3495	7/7	0.94	0.12	105,113,120,172	0
83	MG	AT	228	1/1	0.94	0.32	77,77,77,77	0
83	MG	m	301	1/1	0.94	0.27	54,54,54,54	0
83	MG	1	3795	1/1	0.94	0.22	60,60,60,60	0
83	MG	1	3894	1/1	0.94	0.30	51,51,51,51	0
83	MG	AR	4036	1/1	0.94	0.15	67,67,67,67	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
82	OHX	1	3532	7/7	0.94	0.10	122,128,143,216	0
83	MG	1	3896	1/1	0.94	0.29	82,82,82,82	0
82	OHX	1	3577	7/7	0.94	0.08	135,145,158,235	0
82	OHX	sR	1992	7/7	0.94	0.08	152,158,182,238	0
82	OHX	AP	502	7/7	0.94	0.11	106,116,122,224	0
83	MG	1	3709	1/1	0.94	0.21	52,52,52,52	0
83	MG	AR	3766	1/1	0.94	0.27	47,47,47,47	0
82	OHX	sR	1994	7/7	0.94	0.08	157,172,185,238	0
83	MG	AR	3903	1/1	0.94	0.22	56,56,56,56	0
83	MG	CI	302	1/1	0.94	0.10	61,61,61,61	0
82	OHX	AR	3559	7/7	0.94	0.09	116,120,148,210	0
82	OHX	AR	3451	7/7	0.94	0.10	109,123,130,145	0
83	MG	CL	304	1/1	0.94	0.23	48,48,48,48	0
83	MG	AR	3906	1/1	0.94	0.17	49,49,49,49	0
83	MG	1	3713	1/1	0.94	0.15	46,46,46,46	0
83	MG	s8	303	1/1	0.94	0.12	62,62,62,62	0
83	MG	AR	3771	1/1	0.94	0.30	46,46,46,46	0
82	OHX	CE	401	7/7	0.94	0.10	104,111,129,178	0
82	OHX	AR	3472	7/7	0.94	0.14	99,104,117,187	0
83	MG	AR	3912	1/1	0.94	0.09	54,54,54,54	0
82	OHX	1	4117	7/7	0.94	0.12	90,104,117,204	0
83	MG	AR	3775	1/1	0.94	0.14	52,52,52,52	0
82	OHX	CG	303	7/7	0.94	0.07	193,206,216,288	0
82	OHX	AR	3481	7/7	0.94	0.11	84,103,125,154	0
82	OHX	AR	3565	7/7	0.94	0.08	132,137,154,239	0
83	MG	O	202	1/1	0.94	0.16	67,67,67,67	0
82	OHX	CL	302	7/7	0.94	0.09	124,131,143,198	0
82	OHX	AR	3619	7/7	0.94	0.08	150,159,179,243	0
83	MG	1	3638	1/1	0.94	0.13	66,66,66,66	0
83	MG	1	3914	1/1	0.94	0.05	105,105,105,105	0
83	MG	AR	3783	1/1	0.94	0.30	45,45,45,45	0
83	MG	AR	4066	1/1	0.94	0.25	83,83,83,83	0
82	OHX	AR	3487	7/7	0.94	0.10	110,120,129,179	0
82	OHX	DH	202	7/7	0.94	0.10	122,127,143,208	0
82	OHX	3	202	7/7	0.94	0.09	117,130,133,198	0
83	MG	1	3918	1/1	0.94	0.09	48,48,48,48	0
83	MG	DC	202	1/1	0.94	0.17	61,61,61,61	0
82	OHX	1	4074	7/7	0.94	0.19	95,106,117,119	0
82	OHX	AR	3498	7/7	0.94	0.10	80,114,124,171	0
83	MG	DI	201	1/1	0.94	0.19	50,50,50,50	0
83	MG	DI	202	1/1	0.94	0.24	70,70,70,70	0
86	X1K	1	4181	25/25	0.94	0.12	66,74,78,78	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
86	X1K	AR	4205	25/25	0.94	0.12	64,73,79,80	0
83	MG	AR	4073	1/1	0.94	0.19	69,69,69,69	0
83	MG	1	4025	1/1	0.94	0.16	49,49,49,49	0
83	MG	sR	2039	1/1	0.94	0.32	51,51,51,51	0
83	MG	3	207	1/1	0.95	0.16	60,60,60,60	0
82	OHX	1	3498	7/7	0.95	0.10	102,111,124,184	0
82	OHX	A	2143	7/7	0.95	0.14	117,118,125,136	7
83	MG	AR	3744	1/1	0.95	0.13	55,55,55,55	0
83	MG	3	210	1/1	0.95	0.14	49,49,49,49	0
83	MG	DA	201	1/1	0.95	0.08	65,65,65,65	0
83	MG	1	3951	1/1	0.95	0.14	110,110,110,110	0
82	OHX	AR	3560	7/7	0.95	0.08	144,145,157,232	0
82	OHX	1	3470	7/7	0.95	0.11	93,106,111,174	0
82	OHX	AR	3441	7/7	0.95	0.12	72,96,100,135	0
83	MG	3	215	1/1	0.95	0.26	69,69,69,69	0
83	MG	DH	203	1/1	0.95	0.09	75,75,75,75	0
82	OHX	1	3501	7/7	0.95	0.09	149,160,170,224	0
82	OHX	AR	3466	7/7	0.95	0.12	97,111,125,166	0
82	OHX	AR	3471	7/7	0.95	0.11	97,105,119,183	0
82	OHX	1	3529	7/7	0.95	0.08	122,128,140,210	0
82	OHX	AR	3473	7/7	0.95	0.14	76,86,106,130	0
83	MG	4	216	1/1	0.95	0.11	44,44,44,44	0
83	MG	1	3715	1/1	0.95	0.27	50,50,50,50	0
82	OHX	AR	3474	7/7	0.95	0.10	90,107,128,157	0
82	OHX	CP	302	7/7	0.95	0.09	132,143,156,205	0
82	OHX	AR	3477	7/7	0.95	0.12	93,104,119,164	0
83	MG	1	3719	1/1	0.95	0.13	51,51,51,51	0
82	OHX	1	3473	7/7	0.95	0.10	120,128,135,182	0
83	MG	1	3842	1/1	0.95	0.27	57,57,57,57	0
83	MG	A	1980	1/1	0.95	0.15	64,64,64,64	0
82	OHX	A	1908	7/7	0.95	0.12	96,116,125,154	0
82	OHX	sR	1922	7/7	0.95	0.12	126,132,140,155	0
83	MG	sR	2064	1/1	0.95	0.07	66,66,66,66	0
82	OHX	sR	1925	7/7	0.95	0.11	100,110,125,154	0
83	MG	1	3846	1/1	0.95	0.08	47,47,47,47	0
83	MG	j	301	1/1	0.95	0.08	47,47,47,47	0
83	MG	1	3847	1/1	0.95	0.16	57,57,57,57	0
82	OHX	A	1914	7/7	0.95	0.10	132,135,146,194	0
82	OHX	sR	1929	7/7	0.95	0.12	126,137,141,170	0
83	MG	AR	4086	1/1	0.95	0.25	48,48,48,48	0
82	OHX	sR	1940	7/7	0.95	0.09	114,118,130,185	0
82	OHX	1	3457	7/7	0.95	0.12	106,108,118,158	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
83	MG	AR	3931	1/1	0.95	0.14	50,50,50,50	0
83	MG	1	3615	1/1	0.95	0.07	48,48,48,48	0
83	MG	1	3729	1/1	0.95	0.10	58,58,58,58	0
83	MG	1	3616	1/1	0.95	0.18	47,47,47,47	0
83	MG	AR	3936	1/1	0.95	0.07	60,60,60,60	0
82	OHX	sR	1942	7/7	0.95	0.10	87,110,117,157	0
82	OHX	A	1916	7/7	0.95	0.10	128,136,151,190	0
82	OHX	A	1917	7/7	0.95	0.09	148,159,174,219	0
83	MG	1	3983	1/1	0.95	0.14	126,126,126,126	0
82	OHX	sR	1946	7/7	0.95	0.09	124,124,136,191	0
83	MG	AR	3784	1/1	0.95	0.15	48,48,48,48	0
82	OHX	sR	1947	7/7	0.95	0.10	131,135,147,219	0
82	OHX	AR	3572	7/7	0.95	0.10	113,127,145,206	0
82	OHX	AR	3573	7/7	0.95	0.08	126,133,140,211	0
82	OHX	A	1923	7/7	0.95	0.10	111,120,133,179	0
82	OHX	AR	3483	7/7	0.95	0.08	104,122,134,204	0
82	OHX	sR	1958	7/7	0.95	0.10	119,129,136,193	0
82	OHX	1	3477	7/7	0.95	0.11	100,106,117,157	0
83	MG	1	3992	1/1	0.95	0.07	55,55,55,55	0
82	OHX	AR	3491	7/7	0.95	0.10	101,109,131,168	0
82	OHX	1	3533	7/7	0.95	0.08	151,152,164,218	0
83	MG	AR	3954	1/1	0.95	0.18	50,50,50,50	0
83	MG	1	3995	1/1	0.95	0.05	57,57,57,57	0
82	OHX	1	3478	7/7	0.95	0.11	92,100,129,169	0
83	MG	AR	3797	1/1	0.95	0.17	46,46,46,46	0
82	OHX	sR	1965	7/7	0.95	0.09	120,128,144,205	0
83	MG	AR	4121	1/1	0.95	0.13	52,52,52,52	0
82	OHX	sR	1966	7/7	0.95	0.08	115,131,152,216	0
82	OHX	A	1930	7/7	0.95	0.07	134,143,158,205	0
82	OHX	AR	3494	7/7	0.95	0.11	112,117,124,200	0
82	OHX	A	1933	7/7	0.95	0.10	125,127,148,192	0
82	OHX	1	3460	7/7	0.95	0.11	100,108,115,158	0
82	OHX	AR	3582	7/7	0.95	0.10	115,122,145,201	0
82	OHX	AR	3500	7/7	0.95	0.11	105,106,117,172	0
83	MG	1	3639	1/1	0.95	0.17	46,46,46,46	0
82	OHX	AR	3585	7/7	0.95	0.07	139,150,171,246	0
83	MG	1	4007	1/1	0.95	0.21	48,48,48,48	0
82	OHX	1	3482	7/7	0.95	0.10	114,121,132,214	0
83	MG	AC	101	1/1	0.95	0.15	48,48,48,48	0
83	MG	AR	3812	1/1	0.95	0.24	47,47,47,47	0
82	OHX	AR	3502	7/7	0.95	0.10	101,106,118,173	0
82	OHX	AR	3503	7/7	0.95	0.10	101,111,119,176	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
83	MG	AH	201	1/1	0.95	0.27	59,59,59,59	0
83	MG	AR	4179	1/1	0.95	0.08	94,94,94,94	0
83	MG	AR	3816	1/1	0.95	0.37	48,48,48,48	0
82	OHX	1	4116	7/7	0.95	0.11	98,108,119,179	0
82	OHX	AR	3506	7/7	0.95	0.08	126,134,140,194	0
82	OHX	A	1944	7/7	0.95	0.09	135,142,144,235	0
83	MG	A	2043	1/1	0.95	0.19	65,65,65,65	0
82	OHX	AR	3508	7/7	0.95	0.09	77,95,114,197	0
83	MG	AR	3672	1/1	0.95	0.09	48,48,48,48	0
83	MG	1	3766	1/1	0.95	0.23	53,53,53,53	0
82	OHX	1	3538	7/7	0.95	0.08	109,117,120,195	0
83	MG	sR	2127	1/1	0.95	0.09	85,85,85,85	0
83	MG	1	3651	1/1	0.95	0.09	55,55,55,55	0
82	OHX	A	1947	7/7	0.95	0.09	149,153,156,204	0
82	OHX	AR	3511	7/7	0.95	0.10	110,114,134,202	0
82	OHX	1	3510	7/7	0.95	0.10	126,130,138,220	0
82	OHX	1	3463	7/7	0.95	0.10	93,100,113,150	0
82	OHX	1	3485	7/7	0.95	0.10	96,110,127,173	0
83	MG	AR	3830	1/1	0.95	0.20	46,46,46,46	0
83	MG	sR	2135	1/1	0.95	0.14	52,52,52,52	0
82	OHX	AR	3597	7/7	0.95	0.08	132,150,162,238	0
82	OHX	AR	3516	7/7	0.95	0.09	108,140,151,206	0
82	OHX	1	3542	7/7	0.95	0.09	129,131,137,216	0
82	OHX	1	3486	7/7	0.95	0.12	112,121,131,190	0
83	MG	AR	3835	1/1	0.95	0.19	54,54,54,54	0
82	OHX	1	3515	7/7	0.95	0.09	128,142,151,216	0
82	OHX	1	3545	7/7	0.95	0.08	162,169,180,241	0
82	OHX	AR	3603	7/7	0.95	0.10	135,137,142,234	0
82	OHX	AR	3521	7/7	0.95	0.10	104,109,136,182	0
83	MG	AR	4000	1/1	0.95	0.27	99,99,99,99	0
82	OHX	AR	3522	7/7	0.95	0.09	110,116,127,199	0
82	OHX	1	3488	7/7	0.95	0.12	87,100,115,183	0
82	OHX	AR	3524	7/7	0.95	0.11	118,124,136,187	0
82	OHX	AR	3608	7/7	0.95	0.11	128,139,153,241	0
82	OHX	1	3489	7/7	0.95	0.11	80,105,113,161	0
83	MG	AR	4006	1/1	0.95	0.07	59,59,59,59	0
83	MG	1	4036	1/1	0.95	0.16	47,47,47,47	0
82	OHX	1	3518	7/7	0.95	0.08	144,151,172,239	0
82	OHX	AR	3527	7/7	0.95	0.09	89,100,109,179	0
83	MG	AT	203	1/1	0.95	0.05	69,69,69,69	0
83	MG	1	3672	1/1	0.95	0.10	58,58,58,58	0
83	MG	sR	2157	1/1	0.95	0.14	65,65,65,65	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
82	OHX	1	3464	7/7	0.95	0.11	101,109,122,174	0
83	MG	1	3674	1/1	0.95	0.14	57,57,57,57	0
82	OHX	1	3520	7/7	0.95	0.08	137,146,154,224	0
82	OHX	1	4090	7/7	0.95	0.09	85,118,129,182	0
83	MG	AT	220	1/1	0.95	0.10	53,53,53,53	0
82	OHX	4	206	7/7	0.95	0.09	109,117,138,191	0
82	OHX	AR	4155	7/7	0.95	0.10	91,104,116,201	0
82	OHX	4	207	7/7	0.95	0.08	131,139,150,217	0
83	MG	1	3798	1/1	0.95	0.32	65,65,65,65	0
83	MG	1	4053	1/1	0.95	0.10	46,46,46,46	0
83	MG	sR	2185	1/1	0.95	0.07	109,109,109,109	0
83	MG	sR	2187	1/1	0.95	0.06	96,96,96,96	0
83	MG	1	3799	1/1	0.95	0.24	57,57,57,57	0
83	MG	AR	3711	1/1	0.95	0.09	66,66,66,66	0
82	OHX	1	3436	7/7	0.95	0.12	92,102,118,142	0
83	MG	A	2089	1/1	0.95	0.20	59,59,59,59	0
83	MG	AR	3713	1/1	0.95	0.10	54,54,54,54	0
82	OHX	4	210	7/7	0.95	0.06	146,153,168,235	0
82	OHX	A	2117	7/7	0.95	0.09	120,121,133,214	0
82	OHX	AR	3538	7/7	0.95	0.08	131,135,143,195	0
82	OHX	AR	3540	7/7	0.95	0.10	106,110,132,187	0
83	MG	1	3927	1/1	0.95	0.13	47,47,47,47	0
82	OHX	4	211	7/7	0.95	0.07	154,159,166,242	0
82	OHX	1	3522	7/7	0.95	0.08	118,125,136,197	0
82	OHX	AS	203	7/7	0.95	0.09	81,103,111,166	0
82	OHX	1	4096	7/7	0.95	0.09	120,125,151,213	0
82	OHX	1	4097	7/7	0.95	0.08	119,124,138,200	0
83	MG	1	3811	1/1	0.95	0.06	56,56,56,56	0
82	OHX	1	3444	7/7	0.95	0.10	108,116,129,166	0
82	OHX	AR	3627	7/7	0.95	0.07	141,147,154,242	0
83	MG	CJ	301	1/1	0.95	0.12	70,70,70,70	0
83	MG	AR	4037	1/1	0.95	0.07	65,65,65,65	0
82	OHX	AR	3549	7/7	0.95	0.10	106,111,119,199	0
82	OHX	1	3497	7/7	0.95	0.09	132,139,148,198	0
83	MG	AR	3881	1/1	0.95	0.21	54,54,54,54	0
83	MG	AR	3883	1/1	0.95	0.07	53,53,53,53	0
83	MG	d6	201	1/1	0.95	0.31	55,55,55,55	0
82	OHX	AT	207	7/7	0.95	0.10	96,115,127,180	0
82	OHX	1	4100	7/7	0.95	0.10	93,105,120,170	0
83	MG	S	201	1/1	0.95	0.05	135,135,135,135	0
83	MG	1	4175	1/1	0.95	0.07	89,89,89,89	0
83	MG	AR	3732	1/1	0.95	0.20	47,47,47,47	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
83	MG	CP	306	1/1	0.95	0.11	78,78,78,78	0
82	OHX	AT	210	7/7	0.95	0.08	112,120,135,201	0
82	OHX	AR	3553	7/7	0.95	0.12	118,126,134,222	0
82	OHX	AT	212	7/7	0.95	0.09	128,137,158,222	0
82	OHX	1	3555	7/7	0.95	0.09	136,142,152,229	0
82	OHX	AR	3555	7/7	0.95	0.10	116,123,128,204	0
82	OHX	v	301	7/7	0.95	0.10	114,128,142,207	0
87	ZN	g	501	1/1	0.95	0.05	162,162,162,162	0
82	OHX	1	4102	7/7	0.95	0.11	113,128,140,191	0
83	MG	1	4185	1/1	0.95	0.21	48,48,48,48	0
82	OHX	1	3459	7/7	0.96	0.10	93,104,123,150	0
82	OHX	1	3442	7/7	0.96	0.09	98,105,122,163	0
82	OHX	1	3513	7/7	0.96	0.09	119,126,147,204	0
82	OHX	1	4114[A]	7/7	0.96	0.16	90,96,106,125	7
82	OHX	1	4114[B]	7/7	0.96	0.16	97,97,103,109	7
82	OHX	sR	1911	7/7	0.96	0.11	110,124,138,152	0
82	OHX	r	303	7/7	0.96	0.10	91,98,109,148	0
82	OHX	AR	3515	7/7	0.96	0.09	103,107,114,175	0
82	OHX	1	3535[A]	7/7	0.96	0.16	104,105,111,146	7
82	OHX	sR	1921	7/7	0.96	0.08	110,111,129,174	0
82	OHX	1	3535[B]	7/7	0.96	0.16	101,102,106,128	7
82	OHX	sR	1923	7/7	0.96	0.11	105,108,111,167	0
83	MG	1	3685	1/1	0.96	0.06	59,59,59,59	0
83	MG	4	231	1/1	0.96	0.05	100,100,100,100	0
82	OHX	1	3475	7/7	0.96	0.08	85,96,116,167	0
82	OHX	sR	1926	7/7	0.96	0.11	97,101,121,152	0
82	OHX	AK	102	7/7	0.96	0.10	100,100,119,159	0
82	OHX	1	4079	7/7	0.96	0.12	81,86,109,119	0
82	OHX	sR	1932	7/7	0.96	0.11	100,106,129,171	0
82	OHX	sR	1933	7/7	0.96	0.09	91,114,128,159	0
82	OHX	sR	1935	7/7	0.96	0.09	135,143,153,189	0
83	MG	AR	3977	1/1	0.96	0.21	74,74,74,74	0
82	OHX	sR	1936	7/7	0.96	0.09	107,115,126,184	0
82	OHX	sR	1937	7/7	0.96	0.11	98,103,119,147	0
82	OHX	AR	4161	7/7	0.96	0.16	112,114,119,137	7
82	OHX	AR	3438	7/7	0.96	0.13	97,105,118,118	0
82	OHX	AR	3440	7/7	0.96	0.11	88,95,114,134	0
82	OHX	sR	1943	7/7	0.96	0.08	138,142,158,205	0
83	MG	AR	3751	1/1	0.96	0.14	73,73,73,73	0
83	MG	AR	3867	1/1	0.96	0.10	48,48,48,48	0
82	OHX	A	1950	7/7	0.96	0.10	113,117,134,174	0
82	OHX	AR	3583	7/7	0.96	0.06	136,149,163,220	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
83	MG	1	3802	1/1	0.96	0.06	68,68,68,68	0
82	OHX	1	4080	7/7	0.96	0.12	107,110,115,140	0
82	OHX	AS	205	7/7	0.96	0.09	114,117,127,175	0
82	OHX	sR	1950	7/7	0.96	0.07	138,146,154,210	0
82	OHX	AS	206	7/7	0.96	0.08	117,124,132,183	0
82	OHX	AR	3442	7/7	0.96	0.14	65,86,99,132	0
82	OHX	sR	1954	7/7	0.96	0.09	115,127,141,173	0
82	OHX	AR	3449	7/7	0.96	0.09	103,120,131,154	0
82	OHX	1	4085	7/7	0.96	0.11	77,86,100,138	0
82	OHX	A	1958	7/7	0.96	0.07	130,148,161,216	0
82	OHX	sR	1959	7/7	0.96	0.09	109,113,125,184	0
82	OHX	AR	3452	7/7	0.96	0.10	101,111,121,152	0
82	OHX	AR	3528	7/7	0.96	0.10	91,99,114,190	0
82	OHX	AR	3455	7/7	0.96	0.12	86,104,112,144	0
83	MG	1	3816	1/1	0.96	0.08	56,56,56,56	0
83	MG	1	3714	1/1	0.96	0.28	66,66,66,66	0
83	MG	DQ	504	1/1	0.96	0.06	49,49,49,49	0
82	OHX	AT	208	7/7	0.96	0.09	99,102,117,183	0
83	MG	A	2150	1/1	0.96	0.05	95,95,95,95	0
82	OHX	sR	1964	7/7	0.96	0.09	111,118,120,185	0
82	OHX	AR	3460	7/7	0.96	0.11	80,96,103,146	0
82	OHX	AR	3464	7/7	0.96	0.09	96,99,111,144	0
82	OHX	A	1965	7/7	0.96	0.09	134,136,150,221	0
83	MG	AR	4132	1/1	0.96	0.11	81,81,81,81	0
83	MG	AB	203	1/1	0.96	0.10	47,47,47,47	0
82	OHX	1	3493	7/7	0.96	0.08	118,120,144,197	0
82	OHX	AR	3467	7/7	0.96	0.10	87,100,114,155	0
82	OHX	1	3494	7/7	0.96	0.09	112,122,130,205	0
82	OHX	1	3476	7/7	0.96	0.07	124,127,143,186	0
82	OHX	1	3496	7/7	0.96	0.08	104,118,140,184	0
83	MG	AR	4177	1/1	0.96	0.05	103,103,103,103	0
82	OHX	A	1971	7/7	0.96	0.11	85,115,126,139	0
82	OHX	1	4093	7/7	0.96	0.10	112,120,132,176	0
82	OHX	sR	1975	7/7	0.96	0.08	125,139,147,206	0
82	OHX	AR	3541	7/7	0.96	0.08	154,156,169,193	0
82	OHX	AR	3475	7/7	0.96	0.12	77,108,119,162	0
82	OHX	AR	3543	7/7	0.96	0.10	82,96,115,170	0
83	MG	1	3731	1/1	0.96	0.25	54,54,54,54	0
82	OHX	sR	1979	7/7	0.96	0.09	114,123,133,197	0
82	OHX	1	3461	7/7	0.96	0.09	96,98,105,189	0
82	OHX	AR	3545	7/7	0.96	0.08	115,119,140,211	0
83	MG	AR	4191	1/1	0.96	0.06	52,52,52,52	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
82	OHX	A	2102	7/7	0.96	0.11	104,105,126,167	0
82	OHX	sR	1983	7/7	0.96	0.07	141,144,158,211	0
83	MG	AR	4197	1/1	0.96	0.06	99,99,99,99	0
83	MG	1	3946	1/1	0.96	0.27	64,64,64,64	0
82	OHX	1	3435	7/7	0.96	0.14	69,86,105,144	0
82	OHX	1	3566	7/7	0.96	0.07	183,187,198,236	0
82	OHX	1	3567	7/7	0.96	0.08	103,110,120,195	0
82	OHX	A	2118	7/7	0.96	0.09	135,143,147,201	0
82	OHX	A	2120	7/7	0.96	0.08	106,118,124,185	0
83	MG	A	2011	1/1	0.96	0.25	54,54,54,54	0
83	MG	sR	2186	1/1	0.96	0.06	71,71,71,71	0
82	OHX	A	2121	7/7	0.96	0.09	123,133,142,199	0
82	OHX	1	3479	7/7	0.96	0.08	87,99,117,199	0
82	OHX	AR	3550	7/7	0.96	0.08	139,145,148,199	0
83	MG	1	3745	1/1	0.96	0.18	47,47,47,47	0
82	OHX	AR	3489	7/7	0.96	0.10	97,101,115,179	0
83	MG	sR	2049	1/1	0.96	0.08	73,73,73,73	0
82	OHX	1	3451	7/7	0.96	0.13	75,94,104,142	0
83	MG	AR	3693	1/1	0.96	0.10	47,47,47,47	0
83	MG	AR	3924	1/1	0.96	0.10	53,53,53,53	0
82	OHX	1	3466	7/7	0.96	0.09	88,111,128,167	0
82	OHX	DL	103	7/7	0.96	0.10	104,114,127,169	0
82	OHX	DQ	502	7/7	0.96	0.09	113,119,125,226	0
83	MG	1	4166	1/1	0.96	0.07	57,57,57,57	0
82	OHX	A	1907	7/7	0.96	0.10	138,148,152,185	0
83	MG	AR	4046	1/1	0.96	0.13	72,72,72,72	0
83	MG	1	4173	1/1	0.96	0.09	48,48,48,48	0
82	OHX	1	3456	7/7	0.96	0.11	91,103,117,151	0
83	MG	sR	2061	1/1	0.96	0.26	52,52,52,52	0
82	OHX	4	205	7/7	0.96	0.08	84,94,108,164	0
82	OHX	AR	3556	7/7	0.96	0.09	106,115,138,201	0
82	OHX	AR	3495	7/7	0.96	0.10	90,104,115,180	0
82	OHX	AR	3496	7/7	0.96	0.08	126,139,145,190	0
82	OHX	AR	3497	7/7	0.96	0.08	113,119,133,179	0
83	MG	AR	3938	1/1	0.96	0.16	64,64,64,64	0
83	MG	1	3862	1/1	0.96	0.20	57,57,57,57	0
83	MG	1	3759	1/1	0.96	0.26	46,46,46,46	0
82	OHX	A	1919	7/7	0.96	0.08	124,131,141,181	0
82	OHX	1	3484	7/7	0.96	0.08	115,116,127,184	0
82	OHX	A	1921	7/7	0.96	0.08	132,139,163,191	0
82	OHX	1	3526	7/7	0.96	0.07	126,134,148,209	0
84	K	AR	4165	1/1	0.96	0.09	94,94,94,94	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
82	OHX	1	3431	7/7	0.96	0.10	79,97,115,133	0
82	OHX	A	1925	7/7	0.96	0.09	122,126,137,203	0
82	OHX	1	3458	7/7	0.96	0.10	100,106,110,160	0
82	OHX	1	3487	7/7	0.96	0.09	102,103,114,196	0
83	MG	1	3978	1/1	0.96	0.12	107,107,107,107	0
82	OHX	AR	3623	7/7	0.96	0.07	135,140,147,219	0
82	OHX	AR	3504	7/7	0.96	0.09	107,110,124,194	0
83	MG	1	3770	1/1	0.96	0.29	46,46,46,46	0
82	OHX	1	3509	7/7	0.96	0.07	121,122,126,216	0
82	OHX	A	1931	7/7	0.96	0.08	125,134,136,197	0
82	OHX	1	3471	7/7	0.96	0.09	93,106,117,161	0
83	MG	AR	4198	1/1	0.97	0.07	97,97,97,97	0
82	OHX	AR	3490	7/7	0.97	0.07	96,99,105,167	0
83	MG	AR	4200	1/1	0.97	0.05	101,101,101,101	0
82	OHX	1	3438	7/7	0.97	0.10	94,101,111,140	0
82	OHX	1	3462	7/7	0.97	0.07	115,118,130,167	0
82	OHX	1	3440	7/7	0.97	0.11	68,93,109,150	0
82	OHX	1	3441	7/7	0.97	0.10	90,106,118,145	0
82	OHX	AT	214	7/7	0.97	0.05	146,155,163,223	0
83	MG	1	3879	1/1	0.97	0.28	64,64,64,64	0
82	OHX	1	3465	7/7	0.97	0.11	85,95,101,153	0
83	MG	1	3649	1/1	0.97	0.04	56,56,56,56	0
82	OHX	1	3426	7/7	0.97	0.10	105,115,120,121	0
82	OHX	1	4050	7/7	0.97	0.11	91,97,109,134	0
82	OHX	A	2105	7/7	0.97	0.11	113,118,128,133	0
82	OHX	A	2106	7/7	0.97	0.13	113,124,126,131	0
82	OHX	A	2107	7/7	0.97	0.09	97,100,109,148	0
82	OHX	A	2111	7/7	0.97	0.11	101,106,109,152	0
82	OHX	1	3467	7/7	0.97	0.10	83,95,101,141	0
83	MG	v	303	1/1	0.97	0.05	68,68,68,68	0
82	OHX	sR	1984	7/7	0.97	0.09	126,138,144,199	0
82	OHX	AR	3499	7/7	0.97	0.09	105,114,127,168	0
82	OHX	A	2115	7/7	0.97	0.08	98,113,121,181	0
82	OHX	A	2116	7/7	0.97	0.09	124,127,141,200	0
82	OHX	1	4060	7/7	0.97	0.08	95,104,119,174	0
82	OHX	1	3429	7/7	0.97	0.11	97,102,120,124	0
83	MG	AR	3907	1/1	0.97	0.07	49,49,49,49	0
83	MG	x	204	1/1	0.97	0.21	46,46,46,46	0
82	OHX	A	2119	7/7	0.97	0.07	137,148,160,185	0
82	OHX	1	3490	7/7	0.97	0.09	90,105,114,182	0
82	OHX	1	3445	7/7	0.97	0.09	93,98,104,153	0
83	MG	x	208	1/1	0.97	0.06	92,92,92,92	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
82	OHX	AR	3577	7/7	0.97	0.09	94,103,110,167	0
82	OHX	1	3447	7/7	0.97	0.13	85,97,110,114	0
82	OHX	AK	103	7/7	0.97	0.09	95,105,121,166	0
82	OHX	1	4081	7/7	0.97	0.10	94,100,109,138	0
82	OHX	AR	3507	7/7	0.97	0.09	87,88,103,135	0
82	OHX	AR	3401	7/7	0.97	0.14	68,76,82,85	0
82	OHX	AR	3509	7/7	0.97	0.09	115,118,132,168	0
82	OHX	AR	3411	7/7	0.97	0.14	90,98,110,116	0
82	OHX	AR	3412	7/7	0.97	0.13	87,98,106,110	0
82	OHX	A	1901	7/7	0.97	0.13	93,108,118,126	0
82	OHX	A	1903	7/7	0.97	0.10	92,106,123,134	0
82	OHX	A	1906	7/7	0.97	0.09	107,120,128,145	0
82	OHX	AR	3427	7/7	0.97	0.12	61,83,107,109	0
82	OHX	AR	3429	7/7	0.97	0.10	89,103,112,118	0
83	MG	CD	301	1/1	0.97	0.14	47,47,47,47	0
82	OHX	A	1911	7/7	0.97	0.09	101,114,125,151	0
82	OHX	A	1912	7/7	0.97	0.07	125,133,139,182	0
82	OHX	A	1913	7/7	0.97	0.06	125,143,145,198	0
82	OHX	AR	3432	7/7	0.97	0.11	80,98,108,109	0
82	OHX	AR	3433	7/7	0.97	0.10	97,109,124,129	0
82	OHX	AR	3435	7/7	0.97	0.11	96,99,121,124	0
82	OHX	AR	3436	7/7	0.97	0.09	82,92,113,131	0
82	OHX	1	4082	7/7	0.97	0.09	97,101,114,176	0
82	OHX	1	4083	7/7	0.97	0.10	94,100,112,147	0
82	OHX	1	3448	7/7	0.97	0.11	83,92,106,132	0
82	OHX	1	4086	7/7	0.97	0.09	92,101,109,156	0
82	OHX	A	1922	7/7	0.97	0.07	126,128,136,190	0
82	OHX	AR	3443	7/7	0.97	0.12	78,82,105,123	0
82	OHX	AR	3444	7/7	0.97	0.10	76,91,121,121	0
82	OHX	AR	4116	7/7	0.97	0.11	77,92,103,129	0
82	OHX	T	201	7/7	0.97	0.10	103,120,137,143	0
83	MG	AR	3811	1/1	0.97	0.18	47,47,47,47	0
83	MG	CP	301	1/1	0.97	0.07	66,66,66,66	0
83	MG	1	3928	1/1	0.97	0.10	51,51,51,51	0
83	MG	1	4048	1/1	0.97	0.05	100,100,100,100	0
82	OHX	AR	3446	7/7	0.97	0.10	65,85,110,116	0
82	OHX	AR	4126	7/7	0.97	0.10	95,102,116,155	0
82	OHX	AR	4136	7/7	0.97	0.07	91,104,110,143	0
82	OHX	sR	1904	7/7	0.97	0.13	89,106,116,125	0
82	OHX	sR	1910	7/7	0.97	0.14	97,99,112,120	0
82	OHX	AR	3447	7/7	0.97	0.09	99,102,113,131	0
82	OHX	sR	1912	7/7	0.97	0.12	89,94,101,107	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
82	OHX	sR	1913	7/7	0.97	0.09	90,102,108,116	0
82	OHX	sR	1915	7/7	0.97	0.11	95,107,117,132	0
82	OHX	1	3472	7/7	0.97	0.09	97,106,115,163	0
82	OHX	AR	3450	7/7	0.97	0.11	88,98,110,125	0
82	OHX	sR	1918	7/7	0.97	0.10	97,106,113,133	0
82	OHX	3	201	7/7	0.97	0.08	88,96,115,134	0
82	OHX	1	4088	7/7	0.97	0.08	112,121,135,175	0
83	MG	1	4070	1/1	0.97	0.09	103,103,103,103	0
82	OHX	1	4089	7/7	0.97	0.11	79,92,104,130	0
82	OHX	AR	3531	7/7	0.97	0.07	147,150,158,206	0
83	MG	A	2152	1/1	0.97	0.15	67,67,67,67	0
82	OHX	AR	3456	7/7	0.97	0.11	96,103,126,140	0
82	OHX	1	3430	7/7	0.97	0.10	87,92,100,119	0
82	OHX	AR	3534	7/7	0.97	0.11	86,99,112,156	0
83	MG	AR	4098	1/1	0.97	0.15	47,47,47,47	0
83	MG	1	4164	1/1	0.97	0.07	83,83,83,83	0
82	OHX	AR	3461	7/7	0.97	0.09	97,102,109,152	0
83	MG	AR	3836	1/1	0.97	0.10	73,73,73,73	0
82	OHX	sR	1931	7/7	0.97	0.09	94,104,113,150	0
82	OHX	A	1940[A]	7/7	0.97	0.18	103,109,114,138	7
82	OHX	A	1940[B]	7/7	0.97	0.18	109,112,112,143	7
82	OHX	sR	1934	7/7	0.97	0.09	92,102,109,152	0
82	OHX	AR	3462	7/7	0.97	0.10	99,102,113,136	0
82	OHX	AR	3463	7/7	0.97	0.11	96,97,109,136	0
82	OHX	1	3452	7/7	0.97	0.09	101,107,127,155	0
83	MG	1	3608	1/1	0.97	0.08	48,48,48,48	0
82	OHX	sR	1938	7/7	0.97	0.07	112,113,123,166	0
82	OHX	sR	1939	7/7	0.97	0.09	103,113,122,164	0
82	OHX	AR	3539	7/7	0.97	0.08	94,99,105,185	0
82	OHX	1	3453	7/7	0.97	0.08	96,104,121,137	0
82	OHX	1	3407	7/7	0.97	0.13	90,92,104,105	0
82	OHX	AR	3468	7/7	0.97	0.08	94,108,117,136	0
82	OHX	A	1948	7/7	0.97	0.07	160,167,174,209	0
82	OHX	AR	3469	7/7	0.97	0.07	100,103,121,152	0
82	OHX	AR	3470	7/7	0.97	0.08	112,115,130,156	0
83	MG	1	3848	1/1	0.97	0.07	61,61,61,61	0
83	MG	AR	3855	1/1	0.97	0.31	60,60,60,60	0
82	OHX	1	4094	7/7	0.97	0.07	105,112,124,177	0
83	MG	A	1988	1/1	0.97	0.19	52,52,52,52	0
82	OHX	sR	1948	7/7	0.97	0.08	117,119,129,182	0
82	OHX	sR	1949	7/7	0.97	0.08	106,117,123,179	0
82	OHX	3	221	7/7	0.97	0.08	98,99,121,162	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
82	OHX	1	4095	7/7	0.97	0.08	107,112,120,196	0
82	OHX	sR	1952	7/7	0.97	0.07	112,127,136,165	0
83	MG	4	203	1/1	0.97	0.06	64,64,64,64	0
82	OHX	1	3499	7/7	0.97	0.08	127,137,146,190	0
82	OHX	1	3432	7/7	0.97	0.11	93,101,108,130	0
82	OHX	AR	3476	7/7	0.97	0.09	102,105,113,156	0
82	OHX	1	3434	7/7	0.97	0.11	101,107,116,135	0
83	MG	AR	4174	1/1	0.97	0.10	105,105,105,105	0
82	OHX	sR	1957	7/7	0.97	0.07	161,165,175,201	0
83	MG	AR	4176	1/1	0.97	0.05	65,65,65,65	0
82	OHX	AS	202	7/7	0.97	0.09	105,111,120,138	0
82	OHX	1	3423	7/7	0.97	0.13	67,90,101,116	0
82	OHX	AR	3479	7/7	0.97	0.09	94,104,112,158	0
82	OHX	1	3503	7/7	0.97	0.10	97,109,118,168	0
82	OHX	AR	3482	7/7	0.97	0.09	97,98,102,155	0
82	OHX	1	3425	7/7	0.97	0.11	92,99,111,112	0
82	OHX	AR	3484	7/7	0.97	0.10	106,113,119,154	0
83	MG	AR	3746	1/1	0.97	0.17	66,66,66,66	0
83	MG	1	3751	1/1	0.97	0.06	52,52,52,52	0
82	OHX	AR	3485	7/7	0.97	0.09	93,99,103,146	0
82	OHX	AR	3486	7/7	0.97	0.08	93,102,113,168	0
83	MG	AR	4190	1/1	0.97	0.06	87,87,87,87	0
82	OHX	4	209	7/7	0.97	0.07	121,123,141,202	0
87	ZN	DQ	501	1/1	0.97	0.04	105,105,105,105	0
82	OHX	AR	3488	7/7	0.97	0.10	99,103,110,163	0
83	MG	AR	4194	1/1	0.97	0.09	48,48,48,48	0
83	MG	AR	3882	1/1	0.97	0.13	47,47,47,47	0
82	OHX	1	3481	7/7	0.97	0.06	109,119,132,164	0
82	OHX	AR	3421	7/7	0.98	0.11	96,100,116,120	0
82	OHX	AR	3423	7/7	0.98	0.11	101,102,113,113	0
82	OHX	AR	3424	7/7	0.98	0.12	85,90,105,108	0
83	MG	AR	3692	1/1	0.98	0.09	49,49,49,49	0
82	OHX	AR	3425	7/7	0.98	0.10	89,93,106,112	0
82	OHX	1	3450	7/7	0.98	0.08	100,102,108,135	0
82	OHX	AR	3428	7/7	0.98	0.10	85,90,108,121	0
82	OHX	1	3405	7/7	0.98	0.12	75,87,99,104	0
82	OHX	AR	3430	7/7	0.98	0.10	90,95,112,115	0
82	OHX	1	3406	7/7	0.98	0.11	91,96,100,103	0
82	OHX	A	2124	7/7	0.98	0.14	92,96,103,107	0
82	OHX	1	3427	7/7	0.98	0.11	93,97,121,132	0
83	MG	AR	4168	1/1	0.98	0.04	63,63,63,63	0
83	MG	AR	4170	1/1	0.98	0.05	72,72,72,72	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
82	OHX	AR	3434	7/7	0.98	0.10	98,103,112,114	0
82	OHX	1	3454	7/7	0.98	0.07	90,107,118,151	0
83	MG	AR	4173	1/1	0.98	0.06	88,88,88,88	0
82	OHX	1	3455	7/7	0.98	0.09	102,114,118,141	0
82	OHX	AR	3437	7/7	0.98	0.09	94,101,109,114	0
82	OHX	1	3428	7/7	0.98	0.09	88,98,111,113	0
82	OHX	AR	3439	7/7	0.98	0.08	109,112,124,144	0
82	OHX	1	3402	7/7	0.98	0.10	71,72,80,80	0
82	OHX	1	3408	7/7	0.98	0.11	89,94,99,101	0
82	OHX	1	3410	7/7	0.98	0.10	88,95,101,107	0
83	MG	AR	4182	1/1	0.98	0.09	99,99,99,99	0
82	OHX	1	3411	7/7	0.98	0.12	83,86,96,116	0
82	OHX	1	3433	7/7	0.98	0.11	90,102,106,120	0
82	OHX	AR	3445	7/7	0.98	0.09	85,89,104,126	0
82	OHX	4	204	7/7	0.98	0.11	74,81,88,92	0
83	MG	A	2098	1/1	0.98	0.05	105,105,105,105	0
82	OHX	AS	201	7/7	0.98	0.09	91,104,111,114	0
82	OHX	1	3412	7/7	0.98	0.10	87,93,108,110	0
82	OHX	AR	3448	7/7	0.98	0.07	98,103,113,131	0
83	MG	A	2148	1/1	0.98	0.06	96,96,96,96	0
83	MG	A	2149	1/1	0.98	0.04	97,97,97,97	0
82	OHX	1	3415	7/7	0.98	0.14	84,95,103,106	0
82	OHX	1	3416	7/7	0.98	0.09	98,105,107,114	0
82	OHX	1	3437	7/7	0.98	0.10	90,97,115,129	0
82	OHX	1	3417	7/7	0.98	0.13	90,95,108,120	0
83	MG	A	1989	1/1	0.98	0.06	58,58,58,58	0
82	OHX	AR	3453	7/7	0.98	0.10	89,100,102,134	0
83	MG	AR	4196	1/1	0.98	0.05	86,86,86,86	0
83	MG	A	2157	1/1	0.98	0.03	94,94,94,94	0
83	MG	AR	3935	1/1	0.98	0.04	47,47,47,47	0
82	OHX	AR	3454	7/7	0.98	0.08	108,109,120,138	0
83	MG	4	227	1/1	0.98	0.27	47,47,47,47	0
82	OHX	1	3439	7/7	0.98	0.07	112,113,122,158	0
82	OHX	1	3418	7/7	0.98	0.11	95,110,115,116	0
83	MG	4	232	1/1	0.98	0.04	94,94,94,94	0
82	OHX	AT	206	7/7	0.98	0.12	83,84,95,108	0
82	OHX	AR	3457	7/7	0.98	0.07	93,100,102,126	0
82	OHX	AR	3458	7/7	0.98	0.10	83,90,105,142	0
83	MG	1	3643	1/1	0.98	0.19	47,47,47,47	0
82	OHX	AR	3459	7/7	0.98	0.09	83,94,106,117	0
82	OHX	1	3419	7/7	0.98	0.11	90,102,109,113	0
82	OHX	1	4058	7/7	0.98	0.10	87,97,110,124	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
82	OHX	sR	1903	7/7	0.98	0.12	76,82,87,90	0
82	OHX	1	3420	7/7	0.98	0.10	90,102,107,108	0
82	OHX	sR	1905	7/7	0.98	0.13	94,96,102,111	0
82	OHX	sR	1907	7/7	0.98	0.09	85,104,113,120	0
82	OHX	sR	1909	7/7	0.98	0.09	75,104,110,110	0
82	OHX	1	3443	7/7	0.98	0.09	88,93,101,144	0
82	OHX	1	4072	7/7	0.98	0.17	80,84,93,97	0
82	OHX	AR	3465	7/7	0.98	0.10	100,107,116,136	0
82	OHX	1	4073	7/7	0.98	0.10	74,76,83,87	0
82	OHX	sR	1914	7/7	0.98	0.09	100,112,118,120	0
82	OHX	1	3421	7/7	0.98	0.07	87,98,107,138	0
82	OHX	1	4075	7/7	0.98	0.12	95,100,106,107	0
82	OHX	1	4076	7/7	0.98	0.10	87,92,101,103	0
82	OHX	sR	1917	7/7	0.98	0.08	101,104,111,129	0
82	OHX	1	4077	7/7	0.98	0.15	88,95,98,105	0
82	OHX	sR	1919	7/7	0.98	0.07	98,101,108,131	0
83	MG	AR	3856	1/1	0.98	0.04	48,48,48,48	0
82	OHX	AC	102	7/7	0.98	0.10	70,91,100,101	0
82	OHX	1	3422	7/7	0.98	0.11	79,97,110,115	0
82	OHX	1	3446	7/7	0.98	0.07	98,104,105,146	0
82	OHX	1	4115	7/7	0.98	0.11	94,97,103,105	0
82	OHX	sR	1924	7/7	0.98	0.07	100,104,111,135	0
82	OHX	CH	201	7/7	0.98	0.12	71,75,82,88	0
82	OHX	1	3404	7/7	0.98	0.11	86,90,97,99	0
82	OHX	1	3424	7/7	0.98	0.10	84,92,118,122	0
83	MG	1	4047	1/1	0.98	0.05	63,63,63,63	0
82	OHX	sR	1928	7/7	0.98	0.07	99,106,119,172	0
83	MG	1	4049	1/1	0.98	0.03	70,70,70,70	0
82	OHX	AR	3402	7/7	0.98	0.13	60,62,67,79	0
82	OHX	sR	1930	7/7	0.98	0.07	154,156,164,192	0
82	OHX	AR	3405	7/7	0.98	0.13	81,82,88,90	0
82	OHX	AR	3406	7/7	0.98	0.11	81,92,98,99	0
82	OHX	CV	201	7/7	0.98	0.10	76,79,84,85	0
82	OHX	CX	201	7/7	0.98	0.08	95,99,119,142	0
82	OHX	DD	102	7/7	0.98	0.10	69,95,100,108	0
82	OHX	AR	3480	7/7	0.98	0.07	95,106,127,168	0
82	OHX	AR	3409	7/7	0.98	0.12	70,75,83,85	0
83	MG	AF	201	1/1	0.98	0.12	55,55,55,55	0
82	OHX	1	3449	7/7	0.98	0.08	107,114,122,160	0
82	OHX	1	4084	7/7	0.98	0.09	94,97,104,151	0
83	MG	CF	404	1/1	0.98	0.05	81,81,81,81	0
82	OHX	A	1902	7/7	0.98	0.10	98,100,114,116	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
82	OHX	AR	3413	7/7	0.98	0.14	92,95,106,108	0
82	OHX	A	1904	7/7	0.98	0.07	112,117,130,134	0
82	OHX	A	2103	7/7	0.98	0.13	95,105,106,112	0
82	OHX	A	2104	7/7	0.98	0.10	100,103,116,122	0
82	OHX	A	1905	7/7	0.98	0.10	107,113,116,139	0
82	OHX	AR	3415	7/7	0.98	0.13	78,83,99,110	0
83	MG	1	4160	1/1	0.98	0.04	77,77,77,77	0
84	K	1	4156	1/1	0.98	0.15	65,65,65,65	0
82	OHX	AR	3416	7/7	0.98	0.11	94,97,105,110	0
83	MG	1	4162	1/1	0.98	0.05	86,86,86,86	0
82	OHX	A	2108	7/7	0.98	0.09	101,108,113,145	0
82	OHX	A	2109	7/7	0.98	0.11	107,114,118,134	0
83	MG	1	4165	1/1	0.98	0.04	93,93,93,93	0
82	OHX	s1	301	7/7	0.98	0.09	101,107,119,119	0
82	OHX	A	2110	7/7	0.98	0.09	104,106,122,137	0
83	MG	1	4169	1/1	0.98	0.15	70,70,70,70	0
83	MG	AR	3683	1/1	0.98	0.11	55,55,55,55	0
83	MG	AR	4113	1/1	0.98	0.09	71,71,71,71	0
87	ZN	AP	501	1/1	0.98	0.05	109,109,109,109	0
83	MG	1	4171	1/1	0.98	0.08	71,71,71,71	0
87	ZN	b	201	1/1	0.98	0.05	96,96,96,96	0
82	OHX	AR	3417	7/7	0.98	0.11	81,98,109,116	0
82	OHX	A	2112	7/7	0.98	0.07	128,132,139,174	0
87	ZN	d6	202	1/1	0.98	0.04	77,77,77,77	0
82	OHX	A	1909	7/7	0.98	0.10	111,113,124,141	0
82	OHX	A	1910	7/7	0.98	0.08	114,117,122,148	0
82	OHX	1	4078	7/7	0.99	0.10	93,102,104,110	0
82	OHX	1	3413	7/7	0.99	0.09	85,95,107,108	0
82	OHX	AR	3414	7/7	0.99	0.11	89,94,105,116	0
82	OHX	1	3414	7/7	0.99	0.11	97,104,108,122	0
82	OHX	1	4056	7/7	0.99	0.08	61,72,77,81	0
82	OHX	AR	3403	7/7	0.99	0.11	50,55,58,72	0
83	MG	1	4168	1/1	0.99	0.03	60,60,60,60	0
82	OHX	AR	3418	7/7	0.99	0.09	91,94,99,113	0
83	MG	1	4170	1/1	0.99	0.11	88,88,88,88	0
82	OHX	AR	3419	7/7	0.99	0.08	97,100,103,112	0
83	MG	sR	2165	1/1	0.99	0.12	64,64,64,64	0
83	MG	1	4172	1/1	0.99	0.06	61,61,61,61	0
83	MG	AR	4193	1/1	0.99	0.03	65,65,65,65	0
83	MG	sR	2183	1/1	0.99	0.03	74,74,74,74	0
82	OHX	sR	1906	7/7	0.99	0.09	86,103,113,116	0
82	OHX	AR	3420	7/7	0.99	0.09	92,98,103,107	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
82	OHX	sR	1908	7/7	0.99	0.10	100,103,107,108	0
82	OHX	AR	3404	7/7	0.99	0.11	78,84,90,99	0
82	OHX	AR	3422	7/7	0.99	0.09	92,98,102,102	0
82	OHX	2	201	7/7	0.99	0.10	85,90,101,110	0
83	MG	AR	4169	1/1	0.99	0.03	49,49,49,49	0
82	OHX	1	3403	7/7	0.99	0.12	57,59,70,73	0
82	OHX	AR	3407	7/7	0.99	0.11	80,84,90,91	0
82	OHX	AR	3426	7/7	0.99	0.08	78,87,98,103	0
87	ZN	AN	500	1/1	0.99	0.03	70,70,70,70	0
82	OHX	AR	3408	7/7	0.99	0.10	89,94,100,102	0
87	ZN	AQ	501	1/1	0.99	0.05	85,85,85,85	0
87	ZN	DL	104	1/1	0.99	0.03	70,70,70,70	0
87	ZN	DO	202	1/1	0.99	0.03	62,62,62,62	0
83	MG	1	4157	1/1	0.99	0.06	55,55,55,55	0
87	ZN	DR	501	1/1	0.99	0.05	83,83,83,83	0
82	OHX	1	3401	7/7	0.99	0.12	59,63,69,74	0
82	OHX	AR	3410	7/7	0.99	0.11	83,90,93,98	0
87	ZN	e	101	1/1	0.99	0.04	103,103,103,103	0
82	OHX	1	3409	7/7	0.99	0.11	94,95,106,109	0
83	MG	AR	4114	1/1	0.99	0.04	54,54,54,54	0
83	MG	AR	4115	1/1	0.99	0.07	46,46,46,46	0
87	ZN	d9	101	1/1	0.99	0.05	108,108,108,108	0
82	OHX	AR	3431	7/7	0.99	0.10	97,104,113,116	0
87	ZN	AK	101	1/1	1.00	0.02	62,62,62,62	0
83	MG	AR	4180	1/1	1.00	0.03	60,60,60,60	0

6.5 Other polymers [\(i\)](#)

There are no such residues in this entry.