



Full wwPDB X-ray Structure Validation Report ⓘ

Mar 30, 2026 – 07:17 PM UTC

PDB ID : 5DAT / pdb_00005dat
Title : Complex of yeast 80S ribosome with hypusine-containing eIF5A
Authors : Melnikov, S.; Mailliot, J.; Shin, B.-S.; Rigger, L.; Yusupova, G.; Micura, R.;
Dever, T.E.; Yusupov, M.
Deposited on : 2015-08-20
Resolution : 3.15 Å(reported)

This is a Full wwPDB X-ray Structure Validation 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	:	FAILED
Mogul	:	2022.3.0, CSD as543be (2022)
Xtriage (Phenix)	:	2.0
EDS	:	3.0
Percentile statistics	:	20250101.v01 (using entries in the PDB archive January 1st 2025)
CCP4	:	9.0.010 (Gargrove)
Density-Fitness	:	1.0.12
Ideal geometry (proteins)	:	Engh & Huber (2001)
Ideal geometry (DNA, RNA)	:	Parkinson et al. (1996)
Validation Pipeline (wwPDB-VP)	:	2.49

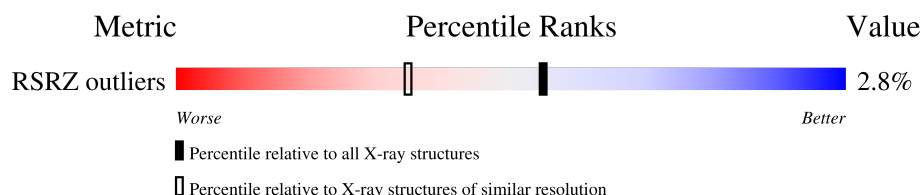
1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

X-RAY DIFFRACTION

The reported resolution of this entry is 3.15 Å.

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



Metric	Whole archive (#Entries)	Similar resolution (#Entries, resolution range(Å))
RSRZ outliers	180081	2361 (3.20-3.12)

MolProbity failed to run properly - the sequence quality summary graphics cannot be shown.

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
87	MG	2	1931	-	-	-	X
87	MG	2	1945	-	-	-	X
87	MG	2	1959	-	-	-	X
87	MG	2	1970	-	-	-	X
87	MG	2	1973	-	-	-	X
87	MG	2	1977	-	-	-	X
87	MG	5	3621	-	-	-	X
87	MG	5	3623	-	-	-	X
87	MG	6	1934	-	-	-	X
87	MG	6	1938	-	-	-	X
87	MG	6	2007	-	-	-	X
87	MG	O7	102	-	-	-	X

2 Entry composition

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

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

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

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

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

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

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

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

- Molecule 4 is a protein called 40S ribosomal protein S2.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

- Molecule 25 is a protein called 40S ribosomal protein S23-A.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
25	D3	144	Total	C	N	O	S	0	0	0
			1121	708	220	191	2			
25	d3	144	Total	C	N	O	S	0	0	0
			1121	708	220	191	2			

- Molecule 26 is a protein called 40S ribosomal protein S24-A.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
26	D4	134	Total	C	N	O	0	0	0
			1073	676	208	189			
26	d4	134	Total	C	N	O	0	0	0
			1073	676	208	189			

- Molecule 27 is a protein called 40S ribosomal protein S25-A.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
27	D5	70	Total	C	N	O	0	0	0
			563	360	104	99			
27	d5	69	Total	C	N	O	0	0	0
			558	357	103	98			

- Molecule 28 is a protein called 40S ribosomal protein S26-B.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
28	D6	97	Total	C	N	O	S	0	0	0
			769	475	160	129	5			
28	d6	97	Total	C	N	O	S	0	0	0
			769	475	160	129	5			

- Molecule 29 is a protein called 40S ribosomal protein S27-A.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
29	D7	81	Total	C	N	O	S	0	0	0
			610	382	110	113	5			
29	d7	81	Total	C	N	O	S	0	0	0
			610	382	110	113	5			

- Molecule 30 is a protein called 40S ribosomal protein S28-A.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
30	D8	63	Total	C	N	O	S	0	0	0
			497	306	99	91	1			
30	d8	63	Total	C	N	O	S	0	0	0
			497	306	99	91	1			

- Molecule 31 is a protein called 40S ribosomal protein S29-A.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
31	D9	53	Total	C	N	O	S	0	0	0
			442	274	92	72	4			
31	d9	53	Total	C	N	O	S	0	0	0
			442	274	92	72	4			

- Molecule 32 is a protein called 40S ribosomal protein S30-A.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
32	E0	60	Total	C	N	O	S	0	0	0
			475	299	98	77	1			
32	e0	62	Total	C	N	O	S	0	0	0
			491	309	101	80	1			

- Molecule 33 is a protein called Ubiquitin-40S ribosomal protein S31.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
33	E1	71	Total	C	N	O	S	0	0	0
			566	362	106	94	4			
33	e1	76	Total	C	N	O	S	0	0	0
			608	388	117	99	4			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
34	SR	318	Total	C	N	O	S	0	0	0
			2437	1541	418	470	8			
34	sR	318	Total	C	N	O	S	0	0	0
			2442	1544	418	472	8			

- Molecule 35 is a protein called Suppressor protein STM1.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
35	SM	159	Total	C	N	O	0	0	0
			1104	652	221	231			
35	sM	104	Total	C	N	O	0	0	0
			679	402	140	137			

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
43	L6	156	Total	C	N	O	S	0	0	0
			1239	800	222	216	1			
43	l6	157	Total	C	N	O	S	0	0	0
			1248	806	224	217	1			

- Molecule 44 is a protein called 60S ribosomal protein L7-A.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
44	L7	222	Total	C	N	O	S	0	0	0
			1784	1151	324	308	1			
44	l7	223	Total	C	N	O	S	0	0	0
			1791	1155	325	310	1			

- Molecule 45 is a protein called 60S ribosomal protein L8-A.

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

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
46	L9	191	Total	C	N	O	S	0	0	0
			1518	963	274	277	4			
46	l9	191	Total	C	N	O	S	0	0	0
			1518	963	274	277	4			

- Molecule 47 is a protein called 60S ribosomal protein L10.

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

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
48	M1	169	Total	C	N	O	S	0	0	0
			1353	847	253	249	4			
48	m1	169	Total	C	N	O	S	0	0	0
			1353	847	253	249	4			

- Molecule 49 is a protein called 60S ribosomal protein L13-A.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
49	M3	193	Total	C	N	O	S	0	0	0
			1543	962	315	266				
49	m3	194	Total	C	N	O	S	0	0	0
			1548	965	316	267				

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

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

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

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

There is a discrepancy between the modelled and reference sequences:

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

- Molecule 52 is a protein called 60S ribosomal protein L16-A.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
52	M6	197	Total	C	N	O	S	0	0	0
			1555	1003	289	262	1			
52	m6	197	Total	C	N	O	S	0	0	0
			1555	1003	289	262	1			

- Molecule 53 is a protein called 60S ribosomal protein L17-A.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
53	M7	183	Total	C	N	O	0	0	0
			1420	882	281	257			
53	m7	155	Total	C	N	O	0	0	0
			1227	764	238	225			

- Molecule 54 is a protein called 60S ribosomal protein L18-A.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
54	M8	185	Total	C	N	O	S	0	0	0
			1441	908	290	241	2			
54	m8	185	Total	C	N	O	S	0	0	0
			1441	908	290	241	2			

- Molecule 55 is a protein called 60S ribosomal protein L19-A.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
55	M9	188	Total	C	N	O	0	0	0
			1521	935	326	260			
55	m9	188	Total	C	N	O	0	0	0
			1521	935	326	260			

- Molecule 56 is a protein called 60S ribosomal protein L20-A.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
56	N0	172	Total	C	N	O	S	0	0	0
			1445	930	267	244	4			
56	n0	172	Total	C	N	O	S	0	0	0
			1445	930	267	244	4			

- Molecule 57 is a protein called 60S ribosomal protein L21-A.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
57	N1	159	Total	C	N	O	S	0	0	0
			1276	805	246	221	4			
57	n1	159	Total	C	N	O	S	0	0	0
			1276	805	246	221	4			

- Molecule 58 is a protein called 60S ribosomal protein L22-A.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
58	N2	100	Total	C	N	O	0	0	0
			796	516	131	149			

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Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
58	n2	98	Total	C	N	O	0	0	0
			778	505	127	146			

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

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

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

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
60	N4	98	Total	C	N	O	0	0	0
			699	443	137	118			
60	n4	135	Total	C	N	O	0	0	0
			1038	651	206	180			

- Molecule 61 is a protein called 60S ribosomal protein L25.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
61	N5	121	Total	C	N	O	0	0	0
			964	620	169	173			
61	n5	120	Total	C	N	O	0	0	0
			959	617	168	172			

- Molecule 62 is a protein called 60S ribosomal protein L26-A.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
62	N6	126	Total	C	N	O	0	0	0
			993	625	192	176			
62	n6	126	Total	C	N	O	0	0	0
			993	625	192	176			

- Molecule 63 is a protein called 60S ribosomal protein L27-A.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
63	N7	135	Total	C	N	O	0	0	0
			1092	710	202	180			
63	n7	135	Total	C	N	O	0	0	0
			1092	710	202	180			

- Molecule 64 is a protein called 60S ribosomal protein L28.

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

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

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

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

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

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

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

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

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

- Molecule 69 is a protein called 60S ribosomal protein L33-A.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
69	O3	106	Total	C	N	O	S	0	0	0
			850	540	165	144	1			
69	o3	106	Total	C	N	O	S	0	0	0
			850	540	165	144	1			

- Molecule 70 is a protein called 60S ribosomal protein L34-A (eL34).

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

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

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

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

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

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

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

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

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

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

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

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

- Molecule 76 is a protein called Ubiquitin-60S ribosomal protein L40.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
76	Q0	52	Total	C	N	O	S	0	0	0
			417	259	86	67	5			
76	q0	52	Total	C	N	O	S	0	0	0
			417	259	86	67	5			

- Molecule 77 is a protein called 60S ribosomal protein L41-A.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
77	Q1	25	Total	C	N	O	S	0	0	0
			233	142	63	27	1			
77	q1	25	Total	C	N	O	S	0	0	0
			233	142	63	27	1			

- Molecule 78 is a protein called 60S ribosomal protein L42-A.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
78	Q2	105	Total	C	N	O	S	0	0	0
			847	534	170	138	5			
78	q2	105	Total	C	N	O	S	0	0	0
			847	534	170	138	5			

- Molecule 79 is a protein called 60S ribosomal protein L43-A.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
79	Q3	91	Total	C	N	O	S	0	0	0
			694	429	138	121	6			
79	q3	91	Total	C	N	O	S	0	0	0
			694	429	138	121	6			

- Molecule 80 is a protein called 40S ribosomal protein S22-A.

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

There is a discrepancy between the modelled and reference sequences:

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

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

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

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

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

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

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

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

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

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

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

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

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
86	l1	213	Total	C	N	O	0	0	0
			1063	637	213	213			

- Molecule 87 is MAGNESIUM ION (CCD ID: MG) (formula: Mg).

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

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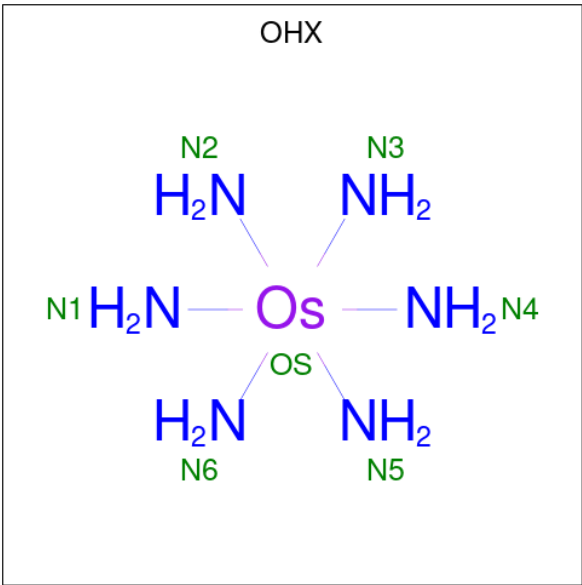
Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
87	N0	1	Total 1	Mg 1	0	0
87	N3	3	Total 3	Mg 3	0	0
87	N6	1	Total 1	Mg 1	0	0
87	N8	4	Total 4	Mg 4	0	0
87	N9	1	Total 1	Mg 1	0	0
87	O2	1	Total 1	Mg 1	0	0
87	O3	2	Total 2	Mg 2	0	0
87	O4	1	Total 1	Mg 1	0	0
87	O7	3	Total 3	Mg 3	0	0
87	Q0	1	Total 1	Mg 1	0	0
87	Q2	1	Total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

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

- Molecule 88 is osmium (III) hexammine (CCD ID: OHX) (formula: $\text{H}_{12}\text{N}_6\text{Os}$).



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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

- Molecule 89 is ZINC ION (CCD ID: ZN) (formula: Zn).

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

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

- Molecule 90 is water.

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

MolProbity failed to run properly - this section is therefore empty.

3 Data and refinement statistics

Property	Value	Source
Space group	P 1 21 1	Depositor
Cell constants a, b, c, α , β , γ	435.63Å 286.45Å 303.41Å 90.00° 98.85° 90.00°	Depositor
Resolution (Å)	189.16 – 3.15 189.16 – 3.15	Depositor EDS
% Data completeness (in resolution range)	99.8 (189.16-3.15) 99.8 (189.16-3.15)	Depositor EDS
R_{merge}	0.98	Depositor
R_{sym}	(Not available)	Depositor
$\langle I/\sigma(I) \rangle$ ¹	1.36 (at 3.13Å)	Xtriage
Refinement program	PHENIX	Depositor
R, R_{free}	0.204 , 0.252 0.206 , (Not available)	Depositor DCC
R_{free} test set	No test flags present.	wwPDB-VP
Wilson B-factor (Å ²)	78.9	Xtriage
Anisotropy	0.130	Xtriage
Bulk solvent k_{sol} (e/Å ³), B_{sol} (Å ²)	0.37 , 106.1	EDS
L-test for twinning ²	$\langle L \rangle = 0.47$, $\langle L^2 \rangle = 0.30$	Xtriage
Estimated twinning fraction	No twinning to report.	Xtriage
F_o, F_c correlation	0.90	EDS
Total number of atoms	414393	wwPDB-VP
Average B, all atoms (Å ²)	77.0	wwPDB-VP

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

¹Intensities estimated from amplitudes.

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

4 Model quality [i](#)

4.1 Standard geometry [i](#)

MolProbity failed to run properly - this section is therefore empty.

4.2 Too-close contacts [i](#)

MolProbity failed to run properly - this section is therefore empty.

4.3 Torsion angles [i](#)

4.3.1 Protein backbone [i](#)

MolProbity failed to run properly - this section is therefore empty.

4.3.2 Protein sidechains [i](#)

MolProbity failed to run properly - this section is therefore empty.

4.3.3 RNA [i](#)

MolProbity failed to run properly - this section is therefore empty.

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

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

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

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\# Z > 2$	Counts	RMSZ	$\# Z > 2$
85	5CT	f	51	85	13,14,15	2.28	4 (30%)	8,15,17	1.86	2 (25%)

In the following table, the Chirals column lists the number of chiral outliers, the number of chiral centers analysed, the number of these observed in the model and the number defined in the

Chemical Component Dictionary. Similar counts are reported in the Torsion and Rings columns. '-' means no outliers of that kind were identified.

Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
85	5CT	f	51	85	1/1/2/4	7/13/14/16	-

All (4) bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
85	f	51	5CT	O1-C2	-6.56	1.24	1.43
85	f	51	5CT	C1-NZ	-3.16	1.41	1.47
85	f	51	5CT	C1-C2	2.33	1.57	1.52
85	f	51	5CT	CA-N	-2.12	1.42	1.48

All (2) bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
85	f	51	5CT	O1-C2-C1	3.45	120.64	109.29
85	f	51	5CT	O1-C2-C3	3.39	118.39	109.35

All (1) chirality outliers are listed below:

Mol	Chain	Res	Type	Atom
85	f	51	5CT	C2

All (7) torsion outliers are listed below:

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

There are no ring outliers.

No monomer is involved in short contacts.

4.5 Carbohydrates

There are no oligosaccharides in this entry.

4.6 Ligand geometry

Of 2290 ligands modelled in this entry, 1124 are monoatomic - leaving 1166 for Mogul analysis.

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

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\# Z > 2$	Counts	RMSZ	$\# Z > 2$
88	OHX	1	3840	-	0,6,6	-	-	-		
88	OHX	2	1999	-	0,6,6	-	-	-		
88	OHX	5	4125	-	0,6,6	-	-	-		
88	OHX	5	4035	-	0,6,6	-	-	-		
88	OHX	6	2067	1	0,6,6	-	-	-		
88	OHX	2	2008	-	0,6,6	-	-	-		
88	OHX	6	2120	-	0,6,6	-	-	-		
88	OHX	1	4066	-	0,6,6	-	-	-		
88	OHX	2	2019	-	0,6,6	-	-	-		
88	OHX	2	2100	-	0,6,6	-	-	-		
88	OHX	1	3980	-	0,6,6	-	-	-		
88	OHX	s8	302	-	0,6,6	-	-	-		
88	OHX	1	3920	-	0,6,6	-	-	-		
88	OHX	5	4004	-	0,6,6	-	-	-		
88	OHX	5	3993	-	0,6,6	-	-	-		
88	OHX	1	3862	-	0,6,6	-	-	-		
88	OHX	5	3934	-	0,6,6	-	-	-		
88	OHX	1	3832	-	0,6,6	-	-	-		
88	OHX	2	2059	-	0,6,6	-	-	-		
88	OHX	5	3839	-	0,6,6	-	-	-		
88	OHX	5	3958	-	0,6,6	-	-	-		
88	OHX	5	4079	-	0,6,6	-	-	-		
88	OHX	5	3828	-	0,6,6	-	-	-		
88	OHX	l5	302	-	0,6,6	-	-	-		
88	OHX	m0	302	-	0,6,6	-	-	-		
88	OHX	2	1997	-	0,6,6	-	-	-		
88	OHX	7	216	-	0,6,6	-	-	-		
88	OHX	6	2102	-	0,6,6	-	-	-		
88	OHX	5	4034	-	0,6,6	-	-	-		
88	OHX	5	4099	-	0,6,6	-	-	-		
88	OHX	5	4067	-	0,6,6	-	-	-		
88	OHX	5	4122	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
88	OHX	6	2145	-	0,6,6	-	-	-		
88	OHX	5	4071	-	0,6,6	-	-	-		
88	OHX	5	4115	-	0,6,6	-	-	-		
88	OHX	1	3937	-	0,6,6	-	-	-		
88	OHX	5	3882	-	0,6,6	-	-	-		
88	OHX	5	3889	-	0,6,6	-	-	-		
88	OHX	M9	201	-	0,6,6	-	-	-		
88	OHX	1	3909	-	0,6,6	-	-	-		
88	OHX	1	3795	-	0,6,6	-	-	-		
88	OHX	2	2139	-	0,6,6	-	-	-		
88	OHX	1	4006	-	0,6,6	-	-	-		
88	OHX	M0	302	-	0,6,6	-	-	-		
88	OHX	M7	204	-	0,6,6	-	-	-		
88	OHX	5	4154	-	0,6,6	-	-	-		
88	OHX	1	3825	-	0,6,6	-	-	-		
88	OHX	2	2074	-	0,6,6	-	-	-		
88	OHX	1	4016	-	0,6,6	-	-	-		
88	OHX	5	4129	-	0,6,6	-	-	-		
88	OHX	5	3979	-	0,6,6	-	-	-		
88	OHX	5	4042	-	0,6,6	-	-	-		
88	OHX	2	2049	-	0,6,6	-	-	-		
88	OHX	5	4083	-	0,6,6	-	-	-		
88	OHX	2	2126	-	0,6,6	-	-	-		
88	OHX	1	3815	-	0,6,6	-	-	-		
88	OHX	2	2106	-	0,6,6	-	-	-		
88	OHX	1	3962	-	0,6,6	-	-	-		
88	OHX	5	4116	-	0,6,6	-	-	-		
88	OHX	5	4084	-	0,6,6	-	-	-		
88	OHX	5	4141	-	0,6,6	-	-	-		
88	OHX	6	2095	-	0,6,6	-	-	-		
88	OHX	5	3961	-	0,6,6	-	-	-		
88	OHX	5	3949	-	0,6,6	-	-	-		
88	OHX	2	2014	-	0,6,6	-	-	-		
88	OHX	1	3965	-	0,6,6	-	-	-		
88	OHX	1	3970	-	0,6,6	-	-	-		
88	OHX	5	3872	-	0,6,6	-	-	-		
88	OHX	6	2106	-	0,6,6	-	-	-		
88	OHX	5	4098	-	0,6,6	-	-	-		
88	OHX	5	4136	-	0,6,6	-	-	-		
88	OHX	1	3800	-	0,6,6	-	-	-		
88	OHX	5	4114	-	0,6,6	-	-	-		
88	OHX	1	3876	-	0,6,6	-	-	-		
88	OHX	6	2124	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
88	OHX	5	3906	-	0,6,6	-	-	-		
88	OHX	8	226	-	0,6,6	-	-	-		
88	OHX	1	3860	-	0,6,6	-	-	-		
88	OHX	1	4051	-	0,6,6	-	-	-		
88	OHX	2	2109	-	0,6,6	-	-	-		
88	OHX	5	3801	-	0,6,6	-	-	-		
88	OHX	6	2057	-	0,6,6	-	-	-		
88	OHX	1	3863	-	0,6,6	-	-	-		
88	OHX	2	2033	-	0,6,6	-	-	-		
88	OHX	5	3918	-	0,6,6	-	-	-		
88	OHX	sR	401	-	0,6,6	-	-	-		
88	OHX	5	3824	-	0,6,6	-	-	-		
88	OHX	5	4057	-	0,6,6	-	-	-		
88	OHX	2	2079	-	0,6,6	-	-	-		
88	OHX	5	3864	-	0,6,6	-	-	-		
88	OHX	5	3929	-	0,6,6	-	-	-		
88	OHX	5	4020	-	0,6,6	-	-	-		
88	OHX	2	2094	-	0,6,6	-	-	-		
88	OHX	1	3847	-	0,6,6	-	-	-		
88	OHX	1	4014	-	0,6,6	-	-	-		
88	OHX	2	2151	-	0,6,6	-	-	-		
88	OHX	1	3803	-	0,6,6	-	-	-		
88	OHX	1	3811	-	0,6,6	-	-	-		
88	OHX	5	3852	36	0,6,6	-	-	-		
88	OHX	5	3910	-	0,6,6	-	-	-		
88	OHX	2	2086	-	0,6,6	-	-	-		
88	OHX	6	2084	-	0,6,6	-	-	-		
88	OHX	6	2032	-	0,6,6	-	-	-		
88	OHX	5	4032	-	0,6,6	-	-	-		
88	OHX	M8	202	-	0,6,6	-	-	-		
88	OHX	5	4059	-	0,6,6	-	-	-		
88	OHX	14	401	-	0,6,6	-	-	-		
88	OHX	6	2088	-	0,6,6	-	-	-		
88	OHX	1	4043	-	0,6,6	-	-	-		
88	OHX	5	3876	-	0,6,6	-	-	-		
88	OHX	1	4085	-	0,6,6	-	-	-		
88	OHX	2	2088	-	0,6,6	-	-	-		
88	OHX	8	223	-	0,6,6	-	-	-		
88	OHX	1	3956	-	0,6,6	-	-	-		
88	OHX	5	4087	-	0,6,6	-	-	-		
88	OHX	5	3953	-	0,6,6	-	-	-		
88	OHX	6	2133	-	0,6,6	-	-	-		
88	OHX	1	3796	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
88	OHX	C5	201	-	0,6,6	-	-	-		
88	OHX	2	2131	-	0,6,6	-	-	-		
88	OHX	1	4037	-	0,6,6	-	-	-		
88	OHX	5	3817	-	0,6,6	-	-	-		
88	OHX	1	3760	-	0,6,6	-	-	-		
88	OHX	6	2030	-	0,6,6	-	-	-		
88	OHX	2	1998	-	0,6,6	-	-	-		
88	OHX	8	220	-	0,6,6	-	-	-		
88	OHX	1	3797	-	0,6,6	-	-	-		
88	OHX	1	3941	-	0,6,6	-	-	-		
88	OHX	5	3803	-	0,6,6	-	-	-		
88	OHX	5	3981	-	0,6,6	-	-	-		
88	OHX	c5	800	-	0,6,6	-	-	-		
88	OHX	6	2123	-	0,6,6	-	-	-		
88	OHX	6	2183	-	0,6,6	-	-	-		
88	OHX	s4	301	-	0,6,6	-	-	-		
88	OHX	5	3874	-	0,6,6	-	-	-		
88	OHX	5	4086	-	0,6,6	-	-	-		
88	OHX	5	3798	-	0,6,6	-	-	-		
88	OHX	3	214	-	0,6,6	-	-	-		
88	OHX	4	233	-	0,6,6	-	-	-		
88	OHX	5	3802	-	0,6,6	-	-	-		
88	OHX	2	2076	-	0,6,6	-	-	-		
88	OHX	5	4028	-	0,6,6	-	-	-		
88	OHX	2	2041	-	0,6,6	-	-	-		
88	OHX	1	3869	-	0,6,6	-	-	-		
88	OHX	5	3908	-	0,6,6	-	-	-		
88	OHX	5	3925	-	0,6,6	-	-	-		
88	OHX	8	215	-	0,6,6	-	-	-		
88	OHX	1	4020	-	0,6,6	-	-	-		
88	OHX	1	3772	-	0,6,6	-	-	-		
88	OHX	2	2055	-	0,6,6	-	-	-		
88	OHX	1	3784	-	0,6,6	-	-	-		
88	OHX	1	3827	-	0,6,6	-	-	-		
88	OHX	2	2129	-	0,6,6	-	-	-		
88	OHX	1	3820	-	0,6,6	-	-	-		
88	OHX	6	2019	-	0,6,6	-	-	-		
88	OHX	6	2028	-	0,6,6	-	-	-		
88	OHX	6	2064	-	0,6,6	-	-	-		
88	OHX	2	2032	-	0,6,6	-	-	-		
88	OHX	5	3957	-	0,6,6	-	-	-		
88	OHX	8	219	-	0,6,6	-	-	-		
88	OHX	2	2078	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
88	OHX	1	4080	-	0,6,6	-	-	-		
88	OHX	2	2052	-	0,6,6	-	-	-		
88	OHX	5	4017	-	0,6,6	-	-	-		
88	OHX	5	3804	-	0,6,6	-	-	-		
88	OHX	1	4011	-	0,6,6	-	-	-		
88	OHX	1	3952	-	0,6,6	-	-	-		
88	OHX	1	4095	-	0,6,6	-	-	-		
88	OHX	6	2043	-	0,6,6	-	-	-		
88	OHX	2	2103	-	0,6,6	-	-	-		
88	OHX	1	4027	-	0,6,6	-	-	-		
88	OHX	6	2044	-	0,6,6	-	-	-		
88	OHX	5	3805	-	0,6,6	-	-	-		
88	OHX	5	4062	-	0,6,6	-	-	-		
88	OHX	2	2077	-	0,6,6	-	-	-		
88	OHX	2	2012	-	0,6,6	-	-	-		
88	OHX	c8	201	-	0,6,6	-	-	-		
88	OHX	5	3818	-	0,6,6	-	-	-		
88	OHX	2	2149	-	0,6,6	-	-	-		
88	OHX	1	4036	-	0,6,6	-	-	-		
88	OHX	5	4150	-	0,6,6	-	-	-		
88	OHX	2	2089	-	0,6,6	-	-	-		
88	OHX	2	2037	-	0,6,6	-	-	-		
88	OHX	2	2152	-	0,6,6	-	-	-		
88	OHX	6	2165	-	0,6,6	-	-	-		
88	OHX	1	4026	-	0,6,6	-	-	-		
88	OHX	5	3881	-	0,6,6	-	-	-		
88	OHX	5	4104	-	0,6,6	-	-	-		
88	OHX	5	3969	-	0,6,6	-	-	-		
88	OHX	5	3880	-	0,6,6	-	-	-		
88	OHX	1	3816	-	0,6,6	-	-	-		
88	OHX	5	3943	-	0,6,6	-	-	-		
88	OHX	6	2061	-	0,6,6	-	-	-		
88	OHX	5	4097	-	0,6,6	-	-	-		
88	OHX	1	3921	-	0,6,6	-	-	-		
88	OHX	6	2063	-	0,6,6	-	-	-		
88	OHX	1	3858	-	0,6,6	-	-	-		
88	OHX	6	2178	-	0,6,6	-	-	-		
88	OHX	1	3927	-	0,6,6	-	-	-		
88	OHX	6	2179	-	0,6,6	-	-	-		
88	OHX	1	3935	-	0,6,6	-	-	-		
88	OHX	1	3767	-	0,6,6	-	-	-		
88	OHX	1	3866	-	0,6,6	-	-	-		
88	OHX	1	4076	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
88	OHX	2	2098	-	0,6,6	-	-	-		
88	OHX	1	3786	-	0,6,6	-	-	-		
88	OHX	5	3807	-	0,6,6	-	-	-		
88	OHX	5	3860	-	0,6,6	-	-	-		
88	OHX	5	3919	-	0,6,6	-	-	-		
88	OHX	5	3922	-	0,6,6	-	-	-		
88	OHX	5	3987	-	0,6,6	-	-	-		
88	OHX	1	3913	-	0,6,6	-	-	-		
88	OHX	2	2026	-	0,6,6	-	-	-		
88	OHX	5	4152	-	0,6,6	-	-	-		
88	OHX	1	3899	-	0,6,6	-	-	-		
88	OHX	2	2002	-	0,6,6	-	-	-		
88	OHX	1	3835	-	0,6,6	-	-	-		
88	OHX	5	4008	-	0,6,6	-	-	-		
88	OHX	1	3877	-	0,6,6	-	-	-		
88	OHX	2	2082	-	0,6,6	-	-	-		
88	OHX	1	3785	-	0,6,6	-	-	-		
88	OHX	5	3984	-	0,6,6	-	-	-		
88	OHX	5	3849	-	0,6,6	-	-	-		
88	OHX	6	2038	-	0,6,6	-	-	-		
88	OHX	2	2132	-	0,6,6	-	-	-		
88	OHX	5	4033	-	0,6,6	-	-	-		
88	OHX	5	4102	-	0,6,6	-	-	-		
88	OHX	5	3915	-	0,6,6	-	-	-		
88	OHX	1	4038	-	0,6,6	-	-	-		
88	OHX	2	2021	-	0,6,6	-	-	-		
88	OHX	5	4046	-	0,6,6	-	-	-		
88	OHX	5	4072	-	0,6,6	-	-	-		
88	OHX	1	3855	-	0,6,6	-	-	-		
88	OHX	2	2072	-	0,6,6	-	-	-		
88	OHX	4	227	-	0,6,6	-	-	-		
88	OHX	2	2006	-	0,6,6	-	-	-		
88	OHX	5	3962	-	0,6,6	-	-	-		
88	OHX	5	4091	-	0,6,6	-	-	-		
88	OHX	8	213	-	0,6,6	-	-	-		
88	OHX	5	3926	-	0,6,6	-	-	-		
88	OHX	14	402	-	0,6,6	-	-	-		
88	OHX	1	4042	-	0,6,6	-	-	-		
88	OHX	L3	404	-	0,6,6	-	-	-		
88	OHX	1	3908	-	0,6,6	-	-	-		
88	OHX	m5	301	-	0,6,6	-	-	-		
88	OHX	2	2056	-	0,6,6	-	-	-		
88	OHX	1	3893	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
88	OHX	2	2150	-	0,6,6	-	-	-		
88	OHX	1	3841	-	0,6,6	-	-	-		
88	OHX	1	3849	-	0,6,6	-	-	-		
88	OHX	6	2065	-	0,6,6	-	-	-		
88	OHX	6	2129	-	0,6,6	-	-	-		
88	OHX	l3	404	-	0,6,6	-	-	-		
88	OHX	M0	303	-	0,6,6	-	-	-		
88	OHX	1	3879	-	0,6,6	-	-	-		
88	OHX	1	3949	-	0,6,6	-	-	-		
88	OHX	1	3987	-	0,6,6	-	-	-		
88	OHX	1	4092	-	0,6,6	-	-	-		
88	OHX	3	212	-	0,6,6	-	-	-		
88	OHX	5	4029	-	0,6,6	-	-	-		
88	OHX	2	2009	-	0,6,6	-	-	-		
88	OHX	2	2096	-	0,6,6	-	-	-		
88	OHX	m0	303	-	0,6,6	-	-	-		
88	OHX	5	4156	-	0,6,6	-	-	-		
88	OHX	5	3946	-	0,6,6	-	-	-		
88	OHX	1	4034	-	0,6,6	-	-	-		
88	OHX	3	211	-	0,6,6	-	-	-		
88	OHX	2	2047	-	0,6,6	-	-	-		
88	OHX	6	2099	-	0,6,6	-	-	-		
88	OHX	1	3802	-	0,6,6	-	-	-		
88	OHX	5	4130	-	0,6,6	-	-	-		
88	OHX	5	3914	-	0,6,6	-	-	-		
88	OHX	6	2139	-	0,6,6	-	-	-		
88	OHX	1	4065	-	0,6,6	-	-	-		
88	OHX	5	3936	-	0,6,6	-	-	-		
88	OHX	2	2084	-	0,6,6	-	-	-		
88	OHX	1	4077	-	0,6,6	-	-	-		
88	OHX	5	4054	-	0,6,6	-	-	-		
88	OHX	5	4113	-	0,6,6	-	-	-		
88	OHX	5	3974	-	0,6,6	-	-	-		
88	OHX	4	222	-	0,6,6	-	-	-		
88	OHX	1	3762	-	0,6,6	-	-	-		
88	OHX	6	2081	-	0,6,6	-	-	-		
88	OHX	5	4109	-	0,6,6	-	-	-		
88	OHX	5	3945	-	0,6,6	-	-	-		
88	OHX	1	4041	-	0,6,6	-	-	-		
88	OHX	5	4068	36	0,6,6	-	-	-		
88	OHX	2	2034	-	0,6,6	-	-	-		
88	OHX	5	4117	-	0,6,6	-	-	-		
88	OHX	2	2022	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
88	OHX	1	3999	-	0,6,6	-	-	-		
88	OHX	5	4055	-	0,6,6	-	-	-		
88	OHX	2	2017	-	0,6,6	-	-	-		
88	OHX	5	4085	-	0,6,6	-	-	-		
88	OHX	1	3864	-	0,6,6	-	-	-		
88	OHX	1	4087	-	0,6,6	-	-	-		
88	OHX	15	303	-	0,6,6	-	-	-		
88	OHX	5	4153	-	0,6,6	-	-	-		
88	OHX	5	3842	-	0,6,6	-	-	-		
88	OHX	6	2036	-	0,6,6	-	-	-		
88	OHX	1	3848	-	0,6,6	-	-	-		
88	OHX	5	3933	-	0,6,6	-	-	-		
88	OHX	1	3857	-	0,6,6	-	-	-		
88	OHX	6	2113	-	0,6,6	-	-	-		
88	OHX	1	3971	-	0,6,6	-	-	-		
88	OHX	1	4005	-	0,6,6	-	-	-		
88	OHX	2	2113	-	0,6,6	-	-	-		
88	OHX	6	2182	-	0,6,6	-	-	-		
88	OHX	3	216	-	0,6,6	-	-	-		
88	OHX	5	3858	-	0,6,6	-	-	-		
88	OHX	6	2068	-	0,6,6	-	-	-		
88	OHX	6	2117	-	0,6,6	-	-	-		
88	OHX	5	4021	-	0,6,6	-	-	-		
88	OHX	1	3782	-	0,6,6	-	-	-		
88	OHX	6	2078	-	0,6,6	-	-	-		
88	OHX	2	2015	-	0,6,6	-	-	-		
88	OHX	2	2010	-	0,6,6	-	-	-		
88	OHX	5	4095	-	0,6,6	-	-	-		
88	OHX	7	224	-	0,6,6	-	-	-		
88	OHX	5	3815	-	0,6,6	-	-	-		
88	OHX	1	3946	-	0,6,6	-	-	-		
88	OHX	1	3844	-	0,6,6	-	-	-		
88	OHX	L5	301	-	0,6,6	-	-	-		
88	OHX	L4	401	-	0,6,6	-	-	-		
88	OHX	1	3880	-	0,6,6	-	-	-		
88	OHX	1	4075	-	0,6,6	-	-	-		
88	OHX	6	2018	-	0,6,6	-	-	-		
88	OHX	1	3859	-	0,6,6	-	-	-		
88	OHX	5	3898	-	0,6,6	-	-	-		
88	OHX	1	3887	-	0,6,6	-	-	-		
88	OHX	1	3928	-	0,6,6	-	-	-		
88	OHX	1	3868	-	0,6,6	-	-	-		
88	OHX	7	223	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
88	OHX	5	3830	-	0,6,6	-	-	-		
88	OHX	5	3966	-	0,6,6	-	-	-		
88	OHX	2	2081	-	0,6,6	-	-	-		
88	OHX	5	3913	-	0,6,6	-	-	-		
88	OHX	6	2166	-	0,6,6	-	-	-		
88	OHX	1	4090	-	0,6,6	-	-	-		
88	OHX	N9	102	-	0,6,6	-	-	-		
88	OHX	6	2103	-	0,6,6	-	-	-		
88	OHX	5	3903	-	0,6,6	-	-	-		
88	OHX	5	4074	-	0,6,6	-	-	-		
88	OHX	6	2016	-	0,6,6	-	-	-		
88	OHX	1	4031	-	0,6,6	-	-	-		
88	OHX	6	2159	-	0,6,6	-	-	-		
88	OHX	6	2158	-	0,6,6	-	-	-		
88	OHX	2	2138	-	0,6,6	-	-	-		
88	OHX	5	3900	-	0,6,6	-	-	-		
88	OHX	1	3985	-	0,6,6	-	-	-		
88	OHX	6	2107	-	0,6,6	-	-	-		
88	OHX	1	3890	-	0,6,6	-	-	-		
88	OHX	1	3788	-	0,6,6	-	-	-		
88	OHX	5	3814	-	0,6,6	-	-	-		
88	OHX	5	3843	-	0,6,6	-	-	-		
88	OHX	5	3878	-	0,6,6	-	-	-		
88	OHX	5	3799	-	0,6,6	-	-	-		
88	OHX	1	3773	-	0,6,6	-	-	-		
88	OHX	5	3902	-	0,6,6	-	-	-		
88	OHX	6	2046	-	0,6,6	-	-	-		
88	OHX	2	2085	-	0,6,6	-	-	-		
88	OHX	1	3883	-	0,6,6	-	-	-		
88	OHX	8	232	-	0,6,6	-	-	-		
88	OHX	5	3831	-	0,6,6	-	-	-		
88	OHX	5	4026	-	0,6,6	-	-	-		
88	OHX	6	2027	-	0,6,6	-	-	-		
88	OHX	5	3873	-	0,6,6	-	-	-		
88	OHX	1	3916	-	0,6,6	-	-	-		
88	OHX	6	2175	-	0,6,6	-	-	-		
88	OHX	19	201	-	0,6,6	-	-	-		
88	OHX	4	224	-	0,6,6	-	-	-		
88	OHX	6	2130	-	0,6,6	-	-	-		
88	OHX	5	3989	-	0,6,6	-	-	-		
88	OHX	1	3892	-	0,6,6	-	-	-		
88	OHX	4	235	-	0,6,6	-	-	-		
88	OHX	5	4080	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
88	OHX	5	4158	-	0,6,6	-	-	-		
88	OHX	1	3810	-	0,6,6	-	-	-		
88	OHX	1	3812	-	0,6,6	-	-	-		
88	OHX	1	4049	-	0,6,6	-	-	-		
88	OHX	6	2177	-	0,6,6	-	-	-		
88	OHX	5	3985	-	0,6,6	-	-	-		
88	OHX	5	4076	-	0,6,6	-	-	-		
88	OHX	6	2051	-	0,6,6	-	-	-		
88	OHX	6	2184	-	0,6,6	-	-	-		
88	OHX	5	3904	-	0,6,6	-	-	-		
88	OHX	6	2072	-	0,6,6	-	-	-		
88	OHX	6	2037	-	0,6,6	-	-	-		
88	OHX	6	2162	-	0,6,6	-	-	-		
88	OHX	2	2031	-	0,6,6	-	-	-		
88	OHX	s1	301	-	0,6,6	-	-	-		
88	OHX	1	3759	-	0,6,6	-	-	-		
88	OHX	1	4045	-	0,6,6	-	-	-		
88	OHX	5	3857	-	0,6,6	-	-	-		
88	OHX	6	2135	-	0,6,6	-	-	-		
88	OHX	5	4048	-	0,6,6	-	-	-		
88	OHX	5	3809	-	0,6,6	-	-	-		
88	OHX	5	4050	-	0,6,6	-	-	-		
88	OHX	5	4077	-	0,6,6	-	-	-		
88	OHX	1	4073	-	0,6,6	-	-	-		
88	OHX	5	3899	-	0,6,6	-	-	-		
88	OHX	2	2051	-	0,6,6	-	-	-		
88	OHX	5	4041	-	0,6,6	-	-	-		
88	OHX	M7	205	-	0,6,6	-	-	-		
88	OHX	2	2038	-	0,6,6	-	-	-		
88	OHX	1	3843	-	0,6,6	-	-	-		
88	OHX	6	2023	-	0,6,6	-	-	-		
88	OHX	1	3959	-	0,6,6	-	-	-		
88	OHX	1	3850	-	0,6,6	-	-	-		
88	OHX	1	3801	-	0,6,6	-	-	-		
88	OHX	5	3982	-	0,6,6	-	-	-		
88	OHX	1	3804	-	0,6,6	-	-	-		
88	OHX	1	3948	-	0,6,6	-	-	-		
88	OHX	1	3963	-	0,6,6	-	-	-		
88	OHX	s9	201	-	0,6,6	-	-	-		
88	OHX	1	4061	-	0,6,6	-	-	-		
88	OHX	6	2047	-	0,6,6	-	-	-		
88	OHX	6	2098	-	0,6,6	-	-	-		
88	OHX	5	3972	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
88	OHX	1	4030	-	0,6,6	-	-	-		
88	OHX	6	2141	-	0,6,6	-	-	-		
88	OHX	6	2089	-	0,6,6	-	-	-		
88	OHX	6	2058	-	0,6,6	-	-	-		
88	OHX	6	2144	-	0,6,6	-	-	-		
88	OHX	5	3879	-	0,6,6	-	-	-		
88	OHX	1	3894	-	0,6,6	-	-	-		
88	OHX	6	2119	-	0,6,6	-	-	-		
88	OHX	2	2071	-	0,6,6	-	-	-		
88	OHX	1	4013	-	0,6,6	-	-	-		
88	OHX	1	4057	-	0,6,6	-	-	-		
88	OHX	2	2095	-	0,6,6	-	-	-		
88	OHX	1	3939	-	0,6,6	-	-	-		
88	OHX	5	3983	-	0,6,6	-	-	-		
88	OHX	1	3851	-	0,6,6	-	-	-		
88	OHX	1	4015	-	0,6,6	-	-	-		
88	OHX	5	4023	-	0,6,6	-	-	-		
88	OHX	5	4060	-	0,6,6	-	-	-		
88	OHX	6	2041	-	0,6,6	-	-	-		
88	OHX	6	2073	-	0,6,6	-	-	-		
88	OHX	1	4069	-	0,6,6	-	-	-		
88	OHX	5	4135	-	0,6,6	-	-	-		
88	OHX	1	3819	-	0,6,6	-	-	-		
88	OHX	C1	201	-	0,6,6	-	-	-		
88	OHX	5	3826	-	0,6,6	-	-	-		
88	OHX	5	3811	-	0,6,6	-	-	-		
88	OHX	5	3869	-	0,6,6	-	-	-		
88	OHX	5	3850	-	0,6,6	-	-	-		
88	OHX	5	3845	-	0,6,6	-	-	-		
88	OHX	6	2070	-	0,6,6	-	-	-		
88	OHX	5	4037	-	0,6,6	-	-	-		
88	OHX	1	4012	-	0,6,6	-	-	-		
88	OHX	5	4019	-	0,6,6	-	-	-		
88	OHX	2	2097	-	0,6,6	-	-	-		
88	OHX	1	4003	-	0,6,6	-	-	-		
88	OHX	6	2034	-	0,6,6	-	-	-		
88	OHX	5	3836	-	0,6,6	-	-	-		
88	OHX	1	3838	-	0,6,6	-	-	-		
88	OHX	5	4030	-	0,6,6	-	-	-		
88	OHX	1	4047	-	0,6,6	-	-	-		
88	OHX	1	3783	-	0,6,6	-	-	-		
88	OHX	5	3944	-	0,6,6	-	-	-		
88	OHX	5	4142	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
88	OHX	1	3870	-	0,6,6	-	-	-		
88	OHX	1	3807	-	0,6,6	-	-	-		
88	OHX	6	2168	-	0,6,6	-	-	-		
88	OHX	5	3939	-	0,6,6	-	-	-		
88	OHX	q2	502	-	0,6,6	-	-	-		
88	OHX	2	2124	-	0,6,6	-	-	-		
88	OHX	5	3829	-	0,6,6	-	-	-		
88	OHX	5	3812	-	0,6,6	-	-	-		
88	OHX	5	4090	-	0,6,6	-	-	-		
88	OHX	4	225	-	0,6,6	-	-	-		
88	OHX	2	2122	-	0,6,6	-	-	-		
88	OHX	1	4052	-	0,6,6	-	-	-		
88	OHX	1	3901	-	0,6,6	-	-	-		
88	OHX	5	4011	-	0,6,6	-	-	-		
88	OHX	5	4093	-	0,6,6	-	-	-		
88	OHX	1	3895	-	0,6,6	-	-	-		
88	OHX	8	225	-	0,6,6	-	-	-		
88	OHX	1	3917	-	0,6,6	-	-	-		
88	OHX	1	3897	-	0,6,6	-	-	-		
88	OHX	4	228	-	0,6,6	-	-	-		
88	OHX	6	2147	-	0,6,6	-	-	-		
88	OHX	6	2148	-	0,6,6	-	-	-		
88	OHX	2	2117	-	0,6,6	-	-	-		
88	OHX	5	4018	-	0,6,6	-	-	-		
88	OHX	5	4053	-	0,6,6	-	-	-		
88	OHX	1	4089	-	0,6,6	-	-	-		
88	OHX	5	3832	-	0,6,6	-	-	-		
88	OHX	1	3789	-	0,6,6	-	-	-		
88	OHX	1	3874	-	0,6,6	-	-	-		
88	OHX	1	4086	-	0,6,6	-	-	-		
88	OHX	8	221	-	0,6,6	-	-	-		
88	OHX	1	3775	-	0,6,6	-	-	-		
88	OHX	5	3883	-	0,6,6	-	-	-		
88	OHX	1	3915	-	0,6,6	-	-	-		
88	OHX	5	4064	-	0,6,6	-	-	-		
88	OHX	2	2020	-	0,6,6	-	-	-		
88	OHX	1	4070	-	0,6,6	-	-	-		
88	OHX	6	2025	-	0,6,6	-	-	-		
88	OHX	O3	203	-	0,6,6	-	-	-		
88	OHX	6	2100	-	0,6,6	-	-	-		
88	OHX	2	2123	-	0,6,6	-	-	-		
88	OHX	3	210	-	0,6,6	-	-	-		
88	OHX	5	3821	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
88	OHX	1	3966	-	0,6,6	-	-	-		
88	OHX	5	3834	-	0,6,6	-	-	-		
88	OHX	1	3922	-	0,6,6	-	-	-		
88	OHX	1	3765	-	0,6,6	-	-	-		
88	OHX	5	3950	-	0,6,6	-	-	-		
88	OHX	n9	103	-	0,6,6	-	-	-		
88	OHX	5	3823	-	0,6,6	-	-	-		
88	OHX	2	2137	-	0,6,6	-	-	-		
88	OHX	1	4053	-	0,6,6	-	-	-		
88	OHX	2	2050	-	0,6,6	-	-	-		
88	OHX	1	3856	-	0,6,6	-	-	-		
88	OHX	5	3840	-	0,6,6	-	-	-		
88	OHX	5	3885	-	0,6,6	-	-	-		
88	OHX	8	214	-	0,6,6	-	-	-		
88	OHX	5	3794	-	0,6,6	-	-	-		
88	OHX	1	4032	-	0,6,6	-	-	-		
88	OHX	2	2134	-	0,6,6	-	-	-		
88	OHX	2	2005	-	0,6,6	-	-	-		
88	OHX	1	3967	-	0,6,6	-	-	-		
88	OHX	5	3973	-	0,6,6	-	-	-		
88	OHX	1	4099	-	0,6,6	-	-	-		
88	OHX	5	3816	-	0,6,6	-	-	-		
88	OHX	5	3927	-	0,6,6	-	-	-		
88	OHX	1	3842	-	0,6,6	-	-	-		
88	OHX	1	3940	-	0,6,6	-	-	-		
88	OHX	6	2085	-	0,6,6	-	-	-		
88	OHX	5	3964	-	0,6,6	-	-	-		
88	OHX	1	3770	-	0,6,6	-	-	-		
88	OHX	2	2054	-	0,6,6	-	-	-		
88	OHX	2	2142	-	0,6,6	-	-	-		
88	OHX	1	3886	-	0,6,6	-	-	-		
88	OHX	1	3924	-	0,6,6	-	-	-		
88	OHX	6	2132	-	0,6,6	-	-	-		
88	OHX	5	3968	-	0,6,6	-	-	-		
88	OHX	5	3877	-	0,6,6	-	-	-		
88	OHX	7	219	-	0,6,6	-	-	-		
88	OHX	2	2121	-	0,6,6	-	-	-		
88	OHX	2	2143	-	0,6,6	-	-	-		
88	OHX	1	3761	-	0,6,6	-	-	-		
88	OHX	1	3950	-	0,6,6	-	-	-		
88	OHX	2	2115	-	0,6,6	-	-	-		
88	OHX	3	209	-	0,6,6	-	-	-		
88	OHX	5	4155	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
88	OHX	2	2043	-	0,6,6	-	-	-		
88	OHX	5	3833	-	0,6,6	-	-	-		
88	OHX	5	3955	-	0,6,6	-	-	-		
88	OHX	5	4040	-	0,6,6	-	-	-		
88	OHX	2	2045	-	0,6,6	-	-	-		
88	OHX	2	2145	-	0,6,6	-	-	-		
88	OHX	1	3981	-	0,6,6	-	-	-		
88	OHX	6	2071	-	0,6,6	-	-	-		
88	OHX	6	2164	-	0,6,6	-	-	-		
88	OHX	2	2027	-	0,6,6	-	-	-		
88	OHX	5	3853	-	0,6,6	-	-	-		
88	OHX	5	4078	-	0,6,6	-	-	-		
88	OHX	5	4148	-	0,6,6	-	-	-		
88	OHX	1	3978	-	0,6,6	-	-	-		
88	OHX	5	3854	-	0,6,6	-	-	-		
88	OHX	2	2064	-	0,6,6	-	-	-		
88	OHX	5	3959	-	0,6,6	-	-	-		
88	OHX	5	3931	-	0,6,6	-	-	-		
88	OHX	1	4107	-	0,6,6	-	-	-		
88	OHX	1	4074	-	0,6,6	-	-	-		
88	OHX	1	3947	-	0,6,6	-	-	-		
88	OHX	6	2110	-	0,6,6	-	-	-		
88	OHX	1	3960	-	0,6,6	-	-	-		
88	OHX	5	3886	-	0,6,6	-	-	-		
88	OHX	5	4061	-	0,6,6	-	-	-		
88	OHX	2	2091	-	0,6,6	-	-	-		
88	OHX	1	4100	-	0,6,6	-	-	-		
88	OHX	5	4001	-	0,6,6	-	-	-		
88	OHX	5	3841	-	0,6,6	-	-	-		
88	OHX	1	3794	-	0,6,6	-	-	-		
88	OHX	1	3973	-	0,6,6	-	-	-		
88	OHX	1	3828	-	0,6,6	-	-	-		
88	OHX	1	3911	-	0,6,6	-	-	-		
88	OHX	1	3993	-	0,6,6	-	-	-		
88	OHX	1	4068	-	0,6,6	-	-	-		
88	OHX	1	4024	-	0,6,6	-	-	-		
88	OHX	3	217	-	0,6,6	-	-	-		
88	OHX	5	3916	-	0,6,6	-	-	-		
88	OHX	2	2067	-	0,6,6	-	-	-		
88	OHX	1	4094	-	0,6,6	-	-	-		
88	OHX	6	2024	-	0,6,6	-	-	-		
88	OHX	5	3846	-	0,6,6	-	-	-		
88	OHX	5	3923	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
88	OHX	5	4006	-	0,6,6	-	-	-		
88	OHX	5	3810	-	0,6,6	-	-	-		
88	OHX	5	4121	-	0,6,6	-	-	-		
88	OHX	8	231	-	0,6,6	-	-	-		
88	OHX	1	3891	-	0,6,6	-	-	-		
88	OHX	1	3902	-	0,6,6	-	-	-		
88	OHX	6	2094	-	0,6,6	-	-	-		
88	OHX	6	2118	-	0,6,6	-	-	-		
88	OHX	1	3942	-	0,6,6	-	-	-		
88	OHX	5	3988	-	0,6,6	-	-	-		
88	OHX	1	3764	-	0,6,6	-	-	-		
88	OHX	1	3882	-	0,6,6	-	-	-		
88	OHX	1	3889	-	0,6,6	-	-	-		
88	OHX	5	3954	-	0,6,6	-	-	-		
88	OHX	1	4067	-	0,6,6	-	-	-		
88	OHX	C3	201	-	0,6,6	-	-	-		
88	OHX	6	2022	-	0,6,6	-	-	-		
88	OHX	1	3938	-	0,6,6	-	-	-		
88	OHX	5	3941	-	0,6,6	-	-	-		
88	OHX	5	4108	-	0,6,6	-	-	-		
88	OHX	1	3989	-	0,6,6	-	-	-		
88	OHX	1	3931	-	0,6,6	-	-	-		
88	OHX	7	218	-	0,6,6	-	-	-		
88	OHX	5	3797	-	0,6,6	-	-	-		
88	OHX	6	2053	-	0,6,6	-	-	-		
88	OHX	2	2111	-	0,6,6	-	-	-		
88	OHX	6	2138	-	0,6,6	-	-	-		
88	OHX	2	2130	-	0,6,6	-	-	-		
88	OHX	6	2185	-	0,6,6	-	-	-		
88	OHX	2	2136	-	0,6,6	-	-	-		
88	OHX	S9	202	-	0,6,6	-	-	-		
88	OHX	6	2029	-	0,6,6	-	-	-		
88	OHX	1	3912	-	0,6,6	-	-	-		
88	OHX	2	2141	-	0,6,6	-	-	-		
88	OHX	6	2160	-	0,6,6	-	-	-		
88	OHX	5	4138	-	0,6,6	-	-	-		
88	OHX	5	3827	-	0,6,6	-	-	-		
88	OHX	1	3996	-	0,6,6	-	-	-		
88	OHX	1	3997	-	0,6,6	-	-	-		
88	OHX	6	2127	-	0,6,6	-	-	-		
88	OHX	1	3944	-	0,6,6	-	-	-		
88	OHX	5	3912	-	0,6,6	-	-	-		
88	OHX	6	2174	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
88	OHX	1	3918	-	0,6,6	-	-	-		
88	OHX	5	3975	-	0,6,6	-	-	-		
88	OHX	1	3954	-	0,6,6	-	-	-		
88	OHX	5	3894	-	0,6,6	-	-	-		
88	OHX	5	4111	-	0,6,6	-	-	-		
88	OHX	1	4088	-	0,6,6	-	-	-		
88	OHX	8	224	-	0,6,6	-	-	-		
88	OHX	n6	202	-	0,6,6	-	-	-		
88	OHX	5	4131	-	0,6,6	-	-	-		
88	OHX	5	3935	-	0,6,6	-	-	-		
88	OHX	5	3971	-	0,6,6	-	-	-		
88	OHX	1	3932	-	0,6,6	-	-	-		
88	OHX	2	2140	-	0,6,6	-	-	-		
88	OHX	1	4083	-	0,6,6	-	-	-		
88	OHX	1	3888	-	0,6,6	-	-	-		
88	OHX	2	2128	-	0,6,6	-	-	-		
88	OHX	1	3982	-	0,6,6	-	-	-		
88	OHX	1	3906	-	0,6,6	-	-	-		
88	OHX	1	4035	-	0,6,6	-	-	-		
88	OHX	8	217	-	0,6,6	-	-	-		
88	OHX	1	4004	-	0,6,6	-	-	-		
88	OHX	2	2030	-	0,6,6	-	-	-		
88	OHX	1	4101	-	0,6,6	-	-	-		
88	OHX	6	2140	-	0,6,6	-	-	-		
88	OHX	5	4027	-	0,6,6	-	-	-		
88	OHX	5	3847	-	0,6,6	-	-	-		
88	OHX	6	2163	-	0,6,6	-	-	-		
88	OHX	5	4051	-	0,6,6	-	-	-		
88	OHX	1	4046	-	0,6,6	-	-	-		
88	OHX	5	4144	-	0,6,6	-	-	-		
88	OHX	5	4110	-	0,6,6	-	-	-		
88	OHX	2	2112	-	0,6,6	-	-	-		
88	OHX	2	2061	-	0,6,6	-	-	-		
88	OHX	5	3937	-	0,6,6	-	-	-		
88	OHX	5	3996	-	0,6,6	-	-	-		
88	OHX	5	4118	-	0,6,6	-	-	-		
88	OHX	6	2109	-	0,6,6	-	-	-		
88	OHX	8	222	-	0,6,6	-	-	-		
88	OHX	2	2099	-	0,6,6	-	-	-		
88	OHX	1	3907	-	0,6,6	-	-	-		
88	OHX	1	3951	-	0,6,6	-	-	-		
88	OHX	7	225	-	0,6,6	-	-	-		
88	OHX	2	2070	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
88	OHX	5	3932	-	0,6,6	-	-	-		
88	OHX	6	2052	-	0,6,6	-	-	-		
88	OHX	1	3839	-	0,6,6	-	-	-		
88	OHX	1	4096	-	0,6,6	-	-	-		
88	OHX	1	3787	-	0,6,6	-	-	-		
88	OHX	1	3837	-	0,6,6	-	-	-		
88	OHX	6	2121	-	0,6,6	-	-	-		
88	OHX	1	3933	-	0,6,6	-	-	-		
88	OHX	1	3929	-	0,6,6	-	-	-		
88	OHX	5	3956	-	0,6,6	-	-	-		
88	OHX	5	3921	-	0,6,6	-	-	-		
88	OHX	5	3890	-	0,6,6	-	-	-		
88	OHX	6	2048	-	0,6,6	-	-	-		
88	OHX	6	2077	-	0,6,6	-	-	-		
88	OHX	C8	201	-	0,6,6	-	-	-		
88	OHX	5	3813	-	0,6,6	-	-	-		
88	OHX	5	4016	-	0,6,6	-	-	-		
88	OHX	5	4002	-	0,6,6	-	-	-		
88	OHX	7	217	-	0,6,6	-	-	-		
88	OHX	1	4010	-	0,6,6	-	-	-		
88	OHX	5	3897	-	0,6,6	-	-	-		
88	OHX	6	2090	-	0,6,6	-	-	-		
88	OHX	5	3896	-	0,6,6	-	-	-		
88	OHX	1	3817	-	0,6,6	-	-	-		
88	OHX	6	2059	-	0,6,6	-	-	-		
88	OHX	5	4014	-	0,6,6	-	-	-		
88	OHX	8	227	-	0,6,6	-	-	-		
88	OHX	1	4081	-	0,6,6	-	-	-		
88	OHX	1	3995	-	0,6,6	-	-	-		
88	OHX	6	2033	-	0,6,6	-	-	-		
88	OHX	5	3991	-	0,6,6	-	-	-		
88	OHX	2	2147	-	0,6,6	-	-	-		
88	OHX	1	4029	-	0,6,6	-	-	-		
88	OHX	1	3969	-	0,6,6	-	-	-		
88	OHX	6	2049	-	0,6,6	-	-	-		
88	OHX	1	3900	-	0,6,6	-	-	-		
88	OHX	6	2111	-	0,6,6	-	-	-		
88	OHX	5	3965	-	0,6,6	-	-	-		
88	OHX	1	3768	-	0,6,6	-	-	-		
88	OHX	1	3780	-	0,6,6	-	-	-		
88	OHX	2	2068	-	0,6,6	-	-	-		
88	OHX	1	3979	-	0,6,6	-	-	-		
88	OHX	2	2075	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
88	OHX	1	4060	-	0,6,6	-	-	-		
88	OHX	5	3930	-	0,6,6	-	-	-		
88	OHX	5	4149	-	0,6,6	-	-	-		
88	OHX	S8	301	-	0,6,6	-	-	-		
88	OHX	1	4018	-	0,6,6	-	-	-		
88	OHX	2	2080	-	0,6,6	-	-	-		
88	OHX	1	3914	-	0,6,6	-	-	-		
88	OHX	1	4098	-	0,6,6	-	-	-		
88	OHX	6	2021	-	0,6,6	-	-	-		
88	OHX	1	3955	-	0,6,6	-	-	-		
88	OHX	6	2086	-	0,6,6	-	-	-		
88	OHX	1	3776	-	0,6,6	-	-	-		
88	OHX	6	2092	-	0,6,6	-	-	-		
88	OHX	5	3820	-	0,6,6	-	-	-		
88	OHX	1	4022	-	0,6,6	-	-	-		
88	OHX	1	3853	-	0,6,6	-	-	-		
88	OHX	1	3961	-	0,6,6	-	-	-		
88	OHX	6	2080	-	0,6,6	-	-	-		
88	OHX	6	2143	-	0,6,6	-	-	-		
88	OHX	n3	202	-	0,6,6	-	-	-		
88	OHX	1	3945	-	0,6,6	-	-	-		
88	OHX	1	3854	-	0,6,6	-	-	-		
88	OHX	1	3872	-	0,6,6	-	-	-		
88	OHX	7	227	-	0,6,6	-	-	-		
88	OHX	5	4151	-	0,6,6	-	-	-		
88	OHX	4	226	-	0,6,6	-	-	-		
88	OHX	6	2104	-	0,6,6	-	-	-		
88	OHX	2	2104	-	0,6,6	-	-	-		
88	OHX	3	213	-	0,6,6	-	-	-		
88	OHX	5	3938	-	0,6,6	-	-	-		
88	OHX	1	3805	-	0,6,6	-	-	-		
88	OHX	1	3763	-	0,6,6	-	-	-		
88	OHX	1	3910	-	0,6,6	-	-	-		
88	OHX	5	4000	-	0,6,6	-	-	-		
88	OHX	1	3806	-	0,6,6	-	-	-		
88	OHX	1	4084	-	0,6,6	-	-	-		
88	OHX	6	2020	-	0,6,6	-	-	-		
88	OHX	5	4025	-	0,6,6	-	-	-		
88	OHX	5	4147	-	0,6,6	-	-	-		
88	OHX	1	4078	-	0,6,6	-	-	-		
88	OHX	1	3824	-	0,6,6	-	-	-		
88	OHX	5	4134	-	0,6,6	-	-	-		
88	OHX	2	2073	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
88	OHX	5	3888	-	0,6,6	-	-	-		
88	OHX	5	3952	-	0,6,6	-	-	-		
88	OHX	1	4062	-	0,6,6	-	-	-		
88	OHX	6	2060	-	0,6,6	-	-	-		
88	OHX	6	2076	-	0,6,6	-	-	-		
88	OHX	1	4040	-	0,6,6	-	-	-		
88	OHX	1	3930	-	0,6,6	-	-	-		
88	OHX	1	4050	-	0,6,6	-	-	-		
88	OHX	2	2107	-	0,6,6	-	-	-		
88	OHX	4	231	-	0,6,6	-	-	-		
88	OHX	1	3779	-	0,6,6	-	-	-		
88	OHX	4	234	-	0,6,6	-	-	-		
88	OHX	5	4058	-	0,6,6	-	-	-		
88	OHX	2	2058	-	0,6,6	-	-	-		
88	OHX	c3	201	-	0,6,6	-	-	-		
88	OHX	2	2119	-	0,6,6	-	-	-		
88	OHX	1	3818	-	0,6,6	-	-	-		
88	OHX	1	4104	-	0,6,6	-	-	-		
88	OHX	2	2120	-	0,6,6	-	-	-		
88	OHX	1	3861	-	0,6,6	-	-	-		
88	OHX	5	3963	-	0,6,6	-	-	-		
88	OHX	5	3867	-	0,6,6	-	-	-		
88	OHX	1	3943	-	0,6,6	-	-	-		
88	OHX	5	4065	-	0,6,6	-	-	-		
88	OHX	5	4159	-	0,6,6	-	-	-		
88	OHX	5	4100	-	0,6,6	-	-	-		
88	OHX	l3	402	-	0,6,6	-	-	-		
88	OHX	SR	401	-	0,6,6	-	-	-		
88	OHX	1	3830	-	0,6,6	-	-	-		
88	OHX	1	3972	-	0,6,6	-	-	-		
88	OHX	6	2115	-	0,6,6	-	-	-		
88	OHX	4	221	-	0,6,6	-	-	-		
88	OHX	5	3893	-	0,6,6	-	-	-		
88	OHX	6	2017	-	0,6,6	-	-	-		
88	OHX	6	2105	-	0,6,6	-	-	-		
88	OHX	5	4146	-	0,6,6	-	-	-		
88	OHX	5	4082	-	0,6,6	-	-	-		
88	OHX	5	3835	-	0,6,6	-	-	-		
88	OHX	6	2122	-	0,6,6	-	-	-		
88	OHX	5	3986	-	0,6,6	-	-	-		
88	OHX	1	3919	-	0,6,6	-	-	-		
88	OHX	1	3998	-	0,6,6	-	-	-		
88	OHX	2	2069	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
88	OHX	6	2142	-	0,6,6	-	-	-		
88	OHX	2	2118	-	0,6,6	-	-	-		
88	OHX	5	3837	-	0,6,6	-	-	-		
88	OHX	5	4038	-	0,6,6	-	-	-		
88	OHX	6	2074	-	0,6,6	-	-	-		
88	OHX	5	3901	-	0,6,6	-	-	-		
88	OHX	5	4157	-	0,6,6	-	-	-		
88	OHX	1	3798	-	0,6,6	-	-	-		
88	OHX	2	2110	-	0,6,6	-	-	-		
88	OHX	5	3855	-	0,6,6	-	-	-		
88	OHX	2	2116	-	0,6,6	-	-	-		
88	OHX	2	1994	-	0,6,6	-	-	-		
88	OHX	2	2007	-	0,6,6	-	-	-		
88	OHX	6	2079	-	0,6,6	-	-	-		
88	OHX	1	3925	-	0,6,6	-	-	-		
88	OHX	5	4003	-	0,6,6	-	-	-		
88	OHX	5	4106	-	0,6,6	-	-	-		
88	OHX	5	4010	-	0,6,6	-	-	-		
88	OHX	6	2026	-	0,6,6	-	-	-		
88	OHX	2	2093	-	0,6,6	-	-	-		
88	OHX	6	2176	-	0,6,6	-	-	-		
88	OHX	5	3865	-	0,6,6	-	-	-		
88	OHX	1	3821	-	0,6,6	-	-	-		
88	OHX	2	2146	-	0,6,6	-	-	-		
88	OHX	5	4043	-	0,6,6	-	-	-		
88	OHX	S6	301	-	0,6,6	-	-	-		
88	OHX	N8	205	-	0,6,6	-	-	-		
88	OHX	1	4063	-	0,6,6	-	-	-		
88	OHX	6	2082	-	0,6,6	-	-	-		
88	OHX	5	3920	-	0,6,6	-	-	-		
88	OHX	m9	201	-	0,6,6	-	-	-		
88	OHX	5	4075	-	0,6,6	-	-	-		
88	OHX	6	2181	-	0,6,6	-	-	-		
88	OHX	1	4033	-	0,6,6	-	-	-		
88	OHX	1	4028	-	0,6,6	-	-	-		
88	OHX	1	4072	-	0,6,6	-	-	-		
88	OHX	1	3790	-	0,6,6	-	-	-		
88	OHX	1	3793	-	0,6,6	-	-	-		
88	OHX	2	2125	-	0,6,6	-	-	-		
88	OHX	4	229	-	0,6,6	-	-	-		
88	OHX	O9	101	-	0,6,6	-	-	-		
88	OHX	2	2039	-	0,6,6	-	-	-		
88	OHX	6	2066	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
88	OHX	1	3904	-	0,6,6	-	-	-		
88	OHX	6	2169	-	0,6,6	-	-	-		
88	OHX	1	3766	-	0,6,6	-	-	-		
88	OHX	2	2063	-	0,6,6	-	-	-		
88	OHX	O7	106	-	0,6,6	-	-	-		
88	OHX	1	3871	-	0,6,6	-	-	-		
88	OHX	5	3997	-	0,6,6	-	-	-		
88	OHX	5	4047	-	0,6,6	-	-	-		
88	OHX	8	230	-	0,6,6	-	-	-		
88	OHX	o9	102	-	0,6,6	-	-	-		
88	OHX	5	4096	-	0,6,6	-	-	-		
88	OHX	S1	301	-	0,6,6	-	-	-		
88	OHX	5	3871	-	0,6,6	-	-	-		
88	OHX	6	2173	-	0,6,6	-	-	-		
88	OHX	5	4105	-	0,6,6	-	-	-		
88	OHX	6	2125	-	0,6,6	-	-	-		
88	OHX	1	4064	-	0,6,6	-	-	-		
88	OHX	1	4002	-	0,6,6	-	-	-		
88	OHX	1	4039	-	0,6,6	-	-	-		
88	OHX	6	2054	-	0,6,6	-	-	-		
88	OHX	5	4145	-	0,6,6	-	-	-		
88	OHX	1	3758	-	0,6,6	-	-	-		
88	OHX	1	3881	-	0,6,6	-	-	-		
88	OHX	5	3884	-	0,6,6	-	-	-		
88	OHX	5	3990	-	0,6,6	-	-	-		
88	OHX	2	1996	-	0,6,6	-	-	-		
88	OHX	1	3771	-	0,6,6	-	-	-		
88	OHX	5	3940	-	0,6,6	-	-	-		
88	OHX	o3	201	-	0,6,6	-	-	-		
88	OHX	1	3778	-	0,6,6	-	-	-		
88	OHX	6	2172	-	0,6,6	-	-	-		
88	OHX	6	2151	-	0,6,6	-	-	-		
88	OHX	6	2157	-	0,6,6	-	-	-		
88	OHX	2	2029	-	0,6,6	-	-	-		
88	OHX	2	2114	-	0,6,6	-	-	-		
88	OHX	D9	103	-	0,6,6	-	-	-		
88	OHX	6	2039	-	0,6,6	-	-	-		
88	OHX	6	2161	-	0,6,6	-	-	-		
88	OHX	5	4126	36	0,6,6	-	-	-		
88	OHX	o7	502	-	0,6,6	-	-	-		
88	OHX	6	2087	-	0,6,6	-	-	-		
88	OHX	2	2127	-	0,6,6	-	-	-		
88	OHX	2	2062	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
88	OHX	2	2011	-	0,6,6	-	-	-		
88	OHX	6	2114	-	0,6,6	-	-	-		
88	OHX	2	1995	-	0,6,6	-	-	-		
88	OHX	2	2133	-	0,6,6	-	-	-		
88	OHX	1	3936	-	0,6,6	-	-	-		
88	OHX	1	4054	-	0,6,6	-	-	-		
88	OHX	1	3992	-	0,6,6	-	-	-		
88	OHX	5	4140	-	0,6,6	-	-	-		
88	OHX	6	2150	-	0,6,6	-	-	-		
88	OHX	5	3892	-	0,6,6	-	-	-		
88	OHX	1	3958	-	0,6,6	-	-	-		
88	OHX	6	2069	-	0,6,6	-	-	-		
88	OHX	5	4123	-	0,6,6	-	-	-		
88	OHX	1	4007	-	0,6,6	-	-	-		
88	OHX	1	4008	-	0,6,6	-	-	-		
88	OHX	1	3984	-	0,6,6	-	-	-		
88	OHX	1	4019	-	0,6,6	-	-	-		
88	OHX	3	218	-	0,6,6	-	-	-		
88	OHX	1	3903	-	0,6,6	-	-	-		
88	OHX	6	2050	-	0,6,6	-	-	-		
88	OHX	6	2108	-	0,6,6	-	-	-		
88	OHX	5	4081	-	0,6,6	-	-	-		
88	OHX	5	4132	-	0,6,6	-	-	-		
88	OHX	5	3822	-	0,6,6	-	-	-		
88	OHX	5	3875	-	0,6,6	-	-	-		
88	OHX	2	2065	-	0,6,6	-	-	-		
88	OHX	1	4105	-	0,6,6	-	-	-		
88	OHX	5	4127	-	0,6,6	-	-	-		
88	OHX	1	4000	-	0,6,6	-	-	-		
88	OHX	6	2170	-	0,6,6	-	-	-		
88	OHX	5	4120	-	0,6,6	-	-	-		
88	OHX	1	3968	-	0,6,6	-	-	-		
88	OHX	1	4059	-	0,6,6	-	-	-		
88	OHX	1	3990	-	0,6,6	-	-	-		
88	OHX	3	219	-	0,6,6	-	-	-		
88	OHX	2	2028	-	0,6,6	-	-	-		
88	OHX	5	3859	-	0,6,6	-	-	-		
88	OHX	5	3947	-	0,6,6	-	-	-		
88	OHX	1	3792	-	0,6,6	-	-	-		
88	OHX	6	2137	-	0,6,6	-	-	-		
88	OHX	5	3928	-	0,6,6	-	-	-		
88	OHX	7	222	-	0,6,6	-	-	-		
88	OHX	2	2003	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
88	OHX	1	4044	-	0,6,6	-	-	-		
88	OHX	2	2013	-	0,6,6	-	-	-		
88	OHX	1	3926	-	0,6,6	-	-	-		
88	OHX	6	2097	-	0,6,6	-	-	-		
88	OHX	5	3960	-	0,6,6	-	-	-		
88	OHX	2	2057	-	0,6,6	-	-	-		
88	OHX	2	2004	-	0,6,6	-	-	-		
88	OHX	1	3896	-	0,6,6	-	-	-		
88	OHX	1	3777	-	0,6,6	-	-	-		
88	OHX	8	218	-	0,6,6	-	-	-		
88	OHX	l3	403	-	0,6,6	-	-	-		
88	OHX	1	3873	-	0,6,6	-	-	-		
88	OHX	1	3994	-	0,6,6	-	-	-		
88	OHX	6	2013	-	0,6,6	-	-	-		
88	OHX	5	3863	-	0,6,6	-	-	-		
88	OHX	6	2112	-	0,6,6	-	-	-		
88	OHX	1	3898	-	0,6,6	-	-	-		
88	OHX	2	2060	-	0,6,6	-	-	-		
88	OHX	5	3866	-	0,6,6	-	-	-		
88	OHX	1	3829	-	0,6,6	-	-	-		
88	OHX	5	3942	-	0,6,6	-	-	-		
88	OHX	1	3769	-	0,6,6	-	-	-		
88	OHX	1	3852	-	0,6,6	-	-	-		
88	OHX	6	2155	-	0,6,6	-	-	-		
88	OHX	5	3970	-	0,6,6	-	-	-		
88	OHX	5	4013	-	0,6,6	-	-	-		
88	OHX	m7	204	-	0,6,6	-	-	-		
88	OHX	5	3851	-	0,6,6	-	-	-		
88	OHX	5	3998	-	0,6,6	-	-	-		
88	OHX	5	4015	-	0,6,6	-	-	-		
88	OHX	8	228	-	0,6,6	-	-	-		
88	OHX	6	2136	-	0,6,6	-	-	-		
88	OHX	5	4044	-	0,6,6	-	-	-		
88	OHX	1	3867	-	0,6,6	-	-	-		
88	OHX	1	3846	-	0,6,6	-	-	-		
88	OHX	6	2153	-	0,6,6	-	-	-		
88	OHX	5	3806	-	0,6,6	-	-	-		
88	OHX	5	4063	-	0,6,6	-	-	-		
88	OHX	1	3791	-	0,6,6	-	-	-		
88	OHX	6	2091	-	0,6,6	-	-	-		
88	OHX	5	4056	-	0,6,6	-	-	-		
88	OHX	1	3781	-	0,6,6	-	-	-		
88	OHX	1	4058	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
88	OHX	5	3844	-	0,6,6	-	-	-		
88	OHX	6	2031	-	0,6,6	-	-	-		
88	OHX	5	3980	-	0,6,6	-	-	-		
88	OHX	5	3905	-	0,6,6	-	-	-		
88	OHX	6	2126	-	0,6,6	-	-	-		
88	OHX	5	3994	-	0,6,6	-	-	-		
88	OHX	5	4143	-	0,6,6	-	-	-		
88	OHX	7	221	-	0,6,6	-	-	-		
88	OHX	1	4009	-	0,6,6	-	-	-		
88	OHX	2	2018	-	0,6,6	-	-	-		
88	OHX	2	2105	-	0,6,6	-	-	-		
88	OHX	2	2023	-	0,6,6	-	-	-		
88	OHX	1	3934	-	0,6,6	-	-	-		
88	OHX	6	2116	-	0,6,6	-	-	-		
88	OHX	O7	105	73	0,6,6	-	-	-		
88	OHX	1	3865	-	0,6,6	-	-	-		
88	OHX	6	2128	-	0,6,6	-	-	-		
88	OHX	4	220	-	0,6,6	-	-	-		
88	OHX	1	3799	-	0,6,6	-	-	-		
88	OHX	1	3977	-	0,6,6	-	-	-		
88	OHX	2	2040	-	0,6,6	-	-	-		
88	OHX	6	2171	-	0,6,6	-	-	-		
88	OHX	5	4052	-	0,6,6	-	-	-		
88	OHX	6	2152	-	0,6,6	-	-	-		
88	OHX	5	3862	-	0,6,6	-	-	-		
88	OHX	5	4103	-	0,6,6	-	-	-		
88	OHX	5	4045	-	0,6,6	-	-	-		
88	OHX	1	4021	-	0,6,6	-	-	-		
88	OHX	q1	702	-	0,6,6	-	-	-		
88	OHX	1	4071	-	0,6,6	-	-	-		
88	OHX	6	2093	-	0,6,6	-	-	-		
88	OHX	2	2024	-	0,6,6	-	-	-		
88	OHX	7	220	-	0,6,6	-	-	-		
88	OHX	5	4066	-	0,6,6	-	-	-		
88	OHX	6	2167	-	0,6,6	-	-	-		
88	OHX	1	4102	-	0,6,6	-	-	-		
88	OHX	5	4119	-	0,6,6	-	-	-		
88	OHX	5	4073	-	0,6,6	-	-	-		
88	OHX	5	4088	-	0,6,6	-	-	-		
88	OHX	5	4039	-	0,6,6	-	-	-		
88	OHX	5	4007	-	0,6,6	-	-	-		
88	OHX	5	3907	-	0,6,6	-	-	-		
88	OHX	2	2053	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
88	OHX	1	3957	-	0,6,6	-	-	-		
88	OHX	5	3951	-	0,6,6	-	-	-		
88	OHX	5	4070	-	0,6,6	-	-	-		
88	OHX	5	3800	-	0,6,6	-	-	-		
88	OHX	2	2144	-	0,6,6	-	-	-		
88	OHX	2	2066	-	0,6,6	-	-	-		
88	OHX	5	3992	-	0,6,6	-	-	-		
88	OHX	5	4101	-	0,6,6	-	-	-		
88	OHX	2	2016	-	0,6,6	-	-	-		
88	OHX	1	3905	-	0,6,6	-	-	-		
88	OHX	6	2014	-	0,6,6	-	-	-		
88	OHX	1	3774	-	0,6,6	-	-	-		
88	OHX	1	4025	-	0,6,6	-	-	-		
88	OHX	1	4106	-	0,6,6	-	-	-		
88	OHX	2	2101	-	0,6,6	-	-	-		
88	OHX	6	2134	-	0,6,6	-	-	-		
88	OHX	m0	304	-	0,6,6	-	-	-		
88	OHX	2	2090	-	0,6,6	-	-	-		
88	OHX	6	2035	-	0,6,6	-	-	-		
88	OHX	Q2	503	-	0,6,6	-	-	-		
88	OHX	5	3909	-	0,6,6	-	-	-		
88	OHX	5	3795	-	0,6,6	-	-	-		
88	OHX	6	2075	-	0,6,6	-	-	-		
88	OHX	N1	201	-	0,6,6	-	-	-		
88	OHX	5	3819	-	0,6,6	-	-	-		
88	OHX	1	3878	-	0,6,6	-	-	-		
88	OHX	5	3825	-	0,6,6	-	-	-		
88	OHX	2	2135	-	0,6,6	-	-	-		
88	OHX	4	223	-	0,6,6	-	-	-		
88	OHX	5	3868	-	0,6,6	-	-	-		
88	OHX	1	4023	-	0,6,6	-	-	-		
88	OHX	5	3861	-	0,6,6	-	-	-		
88	OHX	2	2035	-	0,6,6	-	-	-		
88	OHX	1	3823	-	0,6,6	-	-	-		
88	OHX	5	4012	-	0,6,6	-	-	-		
88	OHX	1	3885	-	0,6,6	-	-	-		
88	OHX	5	4133	-	0,6,6	-	-	-		
88	OHX	5	4128	-	0,6,6	-	-	-		
88	OHX	5	4112	-	0,6,6	-	-	-		
88	OHX	1	3983	-	0,6,6	-	-	-		
88	OHX	1	3988	-	0,6,6	-	-	-		
88	OHX	1	3884	-	0,6,6	-	-	-		
88	OHX	2	2025	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
88	OHX	6	2131	-	0,6,6	-	-	-		
88	OHX	5	4022	-	0,6,6	-	-	-		
88	OHX	1	4079	-	0,6,6	-	-	-		
88	OHX	5	3870	-	0,6,6	-	-	-		
88	OHX	1	3808	-	0,6,6	-	-	-		
88	OHX	1	4093	-	0,6,6	-	-	-		
88	OHX	1	3845	-	0,6,6	-	-	-		
88	OHX	5	3917	-	0,6,6	-	-	-		
88	OHX	1	4082	-	0,6,6	-	-	-		
88	OHX	5	3838	-	0,6,6	-	-	-		
88	OHX	1	3813	-	0,6,6	-	-	-		
88	OHX	1	3831	-	0,6,6	-	-	-		
88	OHX	1	3836	-	0,6,6	-	-	-		
88	OHX	1	3986	-	0,6,6	-	-	-		
88	OHX	1	4055	-	0,6,6	-	-	-		
88	OHX	5	3895	-	0,6,6	-	-	-		
88	OHX	1	4048	-	0,6,6	-	-	-		
88	OHX	8	229	-	0,6,6	-	-	-		
88	OHX	1	4017	-	0,6,6	-	-	-		
88	OHX	7	226	-	0,6,6	-	-	-		
88	OHX	1	3991	-	0,6,6	-	-	-		
88	OHX	1	3822	-	0,6,6	-	-	-		
88	OHX	1	3875	-	0,6,6	-	-	-		
88	OHX	5	3796	-	0,6,6	-	-	-		
88	OHX	5	4089	-	0,6,6	-	-	-		
88	OHX	2	2000	-	0,6,6	-	-	-		
88	OHX	1	3953	-	0,6,6	-	-	-		
88	OHX	2	2048	-	0,6,6	-	-	-		
88	OHX	2	2108	-	0,6,6	-	-	-		
88	OHX	6	2055	-	0,6,6	-	-	-		
88	OHX	6	2083	-	0,6,6	-	-	-		
88	OHX	5	3976	-	0,6,6	-	-	-		
88	OHX	8	216	-	0,6,6	-	-	-		
88	OHX	2	2036	-	0,6,6	-	-	-		
88	OHX	1	3975	-	0,6,6	-	-	-		
88	OHX	1	4056	-	0,6,6	-	-	-		
88	OHX	4	230	-	0,6,6	-	-	-		
88	OHX	5	3948	-	0,6,6	-	-	-		
88	OHX	5	3808	-	0,6,6	-	-	-		
88	OHX	5	4024	-	0,6,6	-	-	-		
88	OHX	2	2001	-	0,6,6	-	-	-		
88	OHX	M5	301	-	0,6,6	-	-	-		
88	OHX	2	2044	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
88	OHX	2	2046	-	0,6,6	-	-	-		
88	OHX	2	2083	-	0,6,6	-	-	-		
88	OHX	5	4094	-	0,6,6	-	-	-		
88	OHX	1	4103	-	0,6,6	-	-	-		
88	OHX	5	3977	-	0,6,6	-	-	-		
88	OHX	1	4001	-	0,6,6	-	-	-		
88	OHX	5	4124	-	0,6,6	-	-	-		
88	OHX	4	232	-	0,6,6	-	-	-		
88	OHX	1	4097	-	0,6,6	-	-	-		
88	OHX	2	2042	-	0,6,6	-	-	-		
88	OHX	2	2102	1	0,6,6	-	-	-		
88	OHX	5	3856	-	0,6,6	-	-	-		
88	OHX	6	2056	-	0,6,6	-	-	-		
88	OHX	5	4009	-	0,6,6	-	-	-		
88	OHX	6	2015	-	0,6,6	-	-	-		
88	OHX	5	4069	-	0,6,6	-	-	-		
88	OHX	5	3967	-	0,6,6	-	-	-		
88	OHX	6	2096	-	0,6,6	-	-	-		
88	OHX	6	2042	-	0,6,6	-	-	-		
88	OHX	6	2149	-	0,6,6	-	-	-		
88	OHX	5	3924	-	0,6,6	-	-	-		
88	OHX	5	3891	-	0,6,6	-	-	-		
88	OHX	5	4031	-	0,6,6	-	-	-		
88	OHX	1	3974	-	0,6,6	-	-	-		
88	OHX	1	3809	-	0,6,6	-	-	-		
88	OHX	2	2092	-	0,6,6	-	-	-		
88	OHX	1	3923	-	0,6,6	-	-	-		
88	OHX	6	2180	-	0,6,6	-	-	-		
88	OHX	5	4092	-	0,6,6	-	-	-		
88	OHX	1	3757	-	0,6,6	-	-	-		
88	OHX	1	3814	-	0,6,6	-	-	-		
88	OHX	5	3999	-	0,6,6	-	-	-		
88	OHX	1	3833	-	0,6,6	-	-	-		
88	OHX	5	4137	-	0,6,6	-	-	-		
88	OHX	6	2154	-	0,6,6	-	-	-		
88	OHX	6	2101	-	0,6,6	-	-	-		
88	OHX	6	2040	-	0,6,6	-	-	-		
88	OHX	5	3995	-	0,6,6	-	-	-		
88	OHX	1	3834	-	0,6,6	-	-	-		
88	OHX	2	2087	-	0,6,6	-	-	-		
88	OHX	1	3976	-	0,6,6	-	-	-		
88	OHX	1	3826	-	0,6,6	-	-	-		
88	OHX	5	4049	-	0,6,6	-	-	-		

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
88	OHX	5	3848	-	0,6,6	-	-	-		
88	OHX	6	2156	-	0,6,6	-	-	-		
88	OHX	5	3911	-	0,6,6	-	-	-		
88	OHX	6	2146	-	0,6,6	-	-	-		
88	OHX	2	2148	-	0,6,6	-	-	-		
88	OHX	6	2062	-	0,6,6	-	-	-		
88	OHX	5	4005	-	0,6,6	-	-	-		
88	OHX	6	2045	-	0,6,6	-	-	-		
88	OHX	5	4139	-	0,6,6	-	-	-		
88	OHX	1	3964	-	0,6,6	-	-	-		
88	OHX	5	4107	-	0,6,6	-	-	-		
88	OHX	5	3978	-	0,6,6	-	-	-		
88	OHX	3	215	-	0,6,6	-	-	-		
88	OHX	5	3887	-	0,6,6	-	-	-		
88	OHX	1	4091	-	0,6,6	-	-	-		
88	OHX	5	4036	-	0,6,6	-	-	-		

There are no bond length outliers.

There are no bond angle outliers.

There are no chirality outliers.

There are no torsion outliers.

There are no ring outliers.

No monomer is involved in short contacts.

4.7 Other polymers [i](#)

There are no such residues in this entry.

4.8 Polymer linkage issues [i](#)

The following chains have linkage breaks:

Mol	Chain	Number of breaks
86	l1	46
1	2	2
81	m2	2
36	5	1

All chain breaks are listed below:

Model	Chain	Residue-1	Atom-1	Residue-2	Atom-2	Distance (Å)
1	2	1716:C	O3'	1717:G	P	5.68
1	l1	132:UNK	C	133:UNK	N	4.51
1	m2	23:UNK	C	28:UNK	N	4.14
1	l1	81:UNK	C	82:UNK	N	3.84
1	5	2437:G	O3'	2438:A	P	3.63
1	m2	52:UNK	C	54:UNK	N	3.58
1	l1	174:UNK	C	175:UNK	N	3.30
1	l1	27:UNK	C	28:UNK	N	3.12
1	2	1685:G	O3'	1686:C	P	3.07
1	l1	201:UNK	C	202:UNK	N	2.85
1	l1	39:UNK	C	40:UNK	N	2.75
1	l1	152:UNK	C	153:UNK	N	2.65
1	l1	162:UNK	C	163:UNK	N	2.57
1	l1	159:UNK	C	160:UNK	N	2.45
1	l1	210:UNK	C	211:UNK	N	2.44
1	l1	192:UNK	C	193:UNK	N	2.42
1	l1	48:UNK	C	49:UNK	N	2.30
1	l1	168:UNK	C	169:UNK	N	2.24
1	l1	22:UNK	C	23:UNK	N	2.07
1	l1	61:UNK	C	62:UNK	N	1.97
1	l1	57:UNK	C	58:UNK	N	1.91
1	l1	69:UNK	C	70:UNK	N	1.91
1	l1	141:UNK	C	142:UNK	N	1.87
1	l1	84:UNK	C	85:UNK	N	1.81
1	l1	171:UNK	C	172:UNK	N	1.78
1	l1	54:UNK	C	55:UNK	N	1.71
1	l1	123:UNK	C	124:UNK	N	1.71
1	l1	71:UNK	C	72:UNK	N	1.69
1	l1	198:UNK	C	199:UNK	N	1.64
1	l1	153:UNK	C	154:UNK	N	1.61
1	l1	105:UNK	C	106:UNK	N	1.60
1	l1	46:UNK	C	47:UNK	N	1.20
1	l1	68:UNK	C	69:UNK	N	1.19
1	l1	23:UNK	C	24:UNK	N	1.18
1	l1	158:UNK	C	159:UNK	N	1.18
1	l1	133:UNK	C	134:UNK	N	1.16
1	l1	44:UNK	C	45:UNK	N	1.15
1	l1	50:UNK	C	51:UNK	N	1.15
1	l1	211:UNK	C	212:UNK	N	1.15
1	l1	45:UNK	C	46:UNK	N	1.14
1	l1	140:UNK	C	141:UNK	N	1.14
1	l1	70:UNK	C	71:UNK	N	1.13
1	l1	169:UNK	C	170:UNK	N	1.09

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Model	Chain	Residue-1	Atom-1	Residue-2	Atom-2	Distance (Å)
1	l1	134:UNK	C	135:UNK	N	1.07
1	l1	209:UNK	C	210:UNK	N	1.06
1	l1	59:UNK	C	60:UNK	N	0.99
1	l1	160:UNK	C	161:UNK	N	0.99
1	l1	49:UNK	C	50:UNK	N	0.98
1	l1	96:UNK	C	97:UNK	N	0.95
1	l1	26:UNK	C	27:UNK	N	0.94
1	l1	20:UNK	C	21:UNK	N	0.90

5 Fit of model and data ⓘ

5.1 Protein, DNA and RNA chains ⓘ

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

Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
1	2	1781/1800 (98%)	0.16	38 (2%) 63 42	39, 96, 178, 219	1 (0%)
1	6	1795/1800 (99%)	-0.02	27 (1%) 72 52	33, 84, 166, 211	1 (0%)
2	S0	206/251 (82%)	0.61	5 (2%) 59 39	100, 115, 126, 138	0
2	s0	206/251 (82%)	0.47	6 (2%) 53 34	81, 98, 114, 118	0
3	S1	214/254 (84%)	0.77	14 (6%) 25 14	104, 134, 156, 161	0
3	s1	216/254 (85%)	0.31	2 (0%) 81 64	77, 91, 111, 123	0
4	S2	217/253 (85%)	0.55	9 (4%) 41 24	81, 93, 109, 115	0
4	s2	217/253 (85%)	0.57	14 (6%) 25 14	65, 81, 96, 112	0
5	S3	223/239 (93%)	0.61	14 (6%) 26 15	84, 97, 119, 130	0
5	s3	223/239 (93%)	0.75	18 (8%) 18 10	80, 109, 133, 136	0
6	S4	260/260 (100%)	0.63	17 (6%) 25 14	71, 96, 106, 121	0
6	s4	260/260 (100%)	0.41	8 (3%) 51 31	59, 86, 100, 121	0
7	S5	206/224 (91%)	0.66	15 (7%) 21 12	103, 122, 131, 135	0
7	s5	206/224 (91%)	0.48	6 (2%) 53 34	83, 106, 121, 129	0
8	S6	226/236 (95%)	0.77	19 (8%) 17 10	72, 102, 122, 133	0
8	s6	218/236 (92%)	0.52	12 (5%) 30 17	60, 90, 110, 121	0
9	S7	184/189 (97%)	0.77	14 (7%) 20 11	98, 122, 142, 148	0
9	s7	186/189 (98%)	0.48	5 (2%) 56 35	79, 107, 134, 139	0
10	S8	188/200 (94%)	0.44	6 (3%) 50 30	67, 83, 116, 129	0
10	s8	188/200 (94%)	0.41	6 (3%) 50 30	56, 74, 119, 135	0
11	S9	185/196 (94%)	0.58	4 (2%) 62 41	86, 103, 129, 145	0
11	s9	185/196 (94%)	0.60	6 (3%) 50 30	72, 90, 120, 138	0
12	C0	96/105 (91%)	0.72	5 (5%) 33 19	89, 110, 128, 138	0
12	c0	96/105 (91%)	1.02	16 (16%) 4 2	101, 132, 145, 150	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
13	C1	155/155 (100%)	0.60	13 (8%) 17 10	70, 82, 114, 129	0
13	c1	146/155 (94%)	0.49	8 (5%) 30 17	59, 71, 99, 122	0
14	C2	124/124 (100%)	0.71	4 (3%) 50 30	135, 143, 151, 154	0
14	c2	124/124 (100%)	1.10	19 (15%) 5 3	172, 187, 200, 208	0
15	C3	150/150 (100%)	0.67	9 (6%) 27 16	77, 91, 111, 115	0
15	c3	150/150 (100%)	0.40	8 (5%) 32 18	64, 80, 95, 100	0
16	C4	127/136 (93%)	1.09	19 (14%) 5 3	78, 131, 145, 150	0
16	c4	128/136 (94%)	0.33	0 100 100	58, 92, 102, 108	0
17	C5	124/137 (90%)	0.64	2 (1%) 70 50	84, 100, 116, 128	0
17	c5	135/137 (98%)	0.72	13 (9%) 13 8	76, 101, 113, 119	0
18	C6	141/142 (99%)	0.81	8 (5%) 29 17	89, 110, 115, 118	0
18	c6	142/142 (100%)	0.91	13 (9%) 14 8	75, 99, 113, 127	0
19	C7	120/136 (88%)	0.86	7 (5%) 29 16	96, 110, 133, 135	0
19	c7	117/136 (86%)	0.60	7 (5%) 27 16	83, 98, 116, 118	0
20	C8	145/145 (100%)	0.54	4 (2%) 55 34	83, 109, 130, 138	0
20	c8	145/145 (100%)	0.54	7 (4%) 35 20	82, 97, 120, 130	0
21	C9	143/143 (100%)	0.88	5 (3%) 47 28	94, 108, 119, 126	0
21	c9	143/143 (100%)	0.39	3 (2%) 63 42	78, 93, 110, 119	0
22	D0	107/120 (89%)	1.03	14 (13%) 7 5	82, 112, 129, 132	0
22	d0	110/120 (91%)	0.80	8 (7%) 21 12	79, 110, 138, 141	0
23	D1	87/87 (100%)	0.49	1 (1%) 78 60	96, 104, 120, 127	0
23	d1	87/87 (100%)	0.20	0 100 100	78, 87, 109, 119	0
24	D2	129/129 (100%)	0.62	2 (1%) 70 50	80, 93, 99, 108	0
25	D3	144/144 (100%)	0.42	7 (4%) 35 20	67, 73, 81, 95	0
25	d3	144/144 (100%)	0.20	9 (6%) 26 15	54, 61, 72, 82	0
26	D4	134/134 (100%)	0.62	4 (2%) 52 32	80, 104, 115, 122	0
26	d4	134/134 (100%)	0.48	6 (4%) 38 22	68, 91, 103, 109	0
27	D5	70/107 (65%)	0.62	4 (5%) 29 17	119, 133, 139, 141	0
27	d5	69/107 (64%)	0.59	1 (1%) 73 53	97, 117, 127, 130	0
28	D6	97/97 (100%)	1.17	22 (22%) 2 2	82, 95, 140, 144	0
28	d6	97/97 (100%)	0.38	1 (1%) 79 62	62, 74, 105, 112	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
29	D7	81/81 (100%)	0.69	1 (1%) 76 57	95, 109, 134, 140	0
29	d7	81/81 (100%)	0.60	2 (2%) 58 37	78, 93, 127, 132	0
30	D8	63/66 (95%)	1.12	12 (19%) 3 2	111, 126, 137, 141	0
30	d8	63/66 (95%)	0.73	2 (3%) 50 30	98, 113, 124, 135	0
31	D9	53/55 (96%)	0.79	6 (11%) 10 6	83, 87, 103, 110	0
31	d9	53/55 (96%)	0.50	4 (7%) 20 12	77, 88, 125, 139	0
32	E0	60/62 (96%)	0.63	4 (6%) 24 13	74, 101, 125, 127	0
32	e0	62/62 (100%)	0.46	3 (4%) 35 20	62, 89, 112, 115	0
33	E1	71/76 (93%)	0.88	8 (11%) 10 6	103, 132, 143, 147	0
33	e1	76/76 (100%)	1.40	17 (22%) 2 2	108, 162, 178, 183	0
34	SR	318/318 (100%)	0.58	7 (2%) 62 41	106, 117, 131, 147	0
34	sR	318/318 (100%)	0.65	12 (3%) 44 26	106, 124, 137, 148	0
35	SM	159/273 (58%)	0.94	26 (16%) 4 2	58, 94, 141, 144	0
35	sM	104/273 (38%)	0.97	13 (12%) 8 5	50, 106, 179, 186	0
36	1	3149/3396 (92%)	-0.32	27 (0%) 81 64	35, 57, 128, 216	0
36	5	3169/3396 (93%)	-0.40	28 (0%) 81 64	33, 52, 126, 187	0
37	3	121/121 (100%)	-0.34	0 100 100	41, 72, 85, 91	0
37	7	121/121 (100%)	-0.54	1 (0%) 82 66	39, 58, 68, 77	0
38	4	158/158 (100%)	-0.43	0 100 100	43, 58, 94, 137	0
38	8	158/158 (100%)	-0.43	1 (0%) 85 72	43, 59, 94, 128	0
39	L2	252/253 (99%)	0.21	6 (2%) 59 39	44, 61, 76, 85	0
39	l2	252/253 (99%)	0.05	7 (2%) 55 34	40, 56, 73, 80	0
40	L3	386/386 (100%)	0.02	5 (1%) 75 55	40, 59, 72, 87	0
40	l3	386/386 (100%)	-0.17	4 (1%) 79 62	34, 48, 62, 78	0
41	L4	361/361 (100%)	-0.13	2 (0%) 85 72	38, 53, 69, 74	0
41	l4	361/361 (100%)	-0.13	1 (0%) 90 81	39, 55, 72, 84	0
42	L5	296/296 (100%)	0.21	2 (0%) 84 69	55, 79, 95, 114	0
42	l5	294/296 (99%)	0.07	7 (2%) 59 39	46, 62, 87, 102	0
43	L6	156/175 (89%)	-0.19	0 100 100	47, 54, 70, 83	0
43	l6	157/175 (89%)	-0.08	2 (1%) 75 55	48, 56, 76, 87	0
44	L7	222/243 (91%)	-0.25	1 (0%) 87 75	38, 48, 76, 105	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
44	l7	223/243 (91%)	-0.20	0 100 100	38, 47, 77, 109	0
45	L8	233/255 (91%)	0.50	7 (3%) 52 32	67, 81, 110, 120	0
45	l8	231/255 (90%)	0.37	11 (4%) 35 20	69, 82, 109, 118	0
46	L9	191/191 (100%)	0.15	2 (1%) 79 62	54, 65, 77, 87	0
46	l9	191/191 (100%)	-0.21	1 (0%) 87 75	43, 55, 71, 81	0
47	M0	211/220 (95%)	0.03	3 (1%) 73 53	41, 55, 88, 106	0
47	m0	213/220 (96%)	0.03	2 (0%) 81 64	39, 56, 80, 97	0
48	M1	169/173 (97%)	0.24	2 (1%) 76 57	63, 81, 93, 100	0
48	m1	169/173 (97%)	-0.05	1 (0%) 85 72	51, 65, 76, 83	0
49	M3	193/198 (97%)	0.02	0 100 100	38, 63, 100, 123	0
49	m3	194/198 (97%)	0.10	1 (0%) 87 75	39, 66, 96, 120	0
50	M4	136/137 (99%)	-0.15	1 (0%) 84 69	49, 56, 68, 78	0
50	m4	137/137 (100%)	-0.29	0 100 100	45, 52, 66, 80	0
51	M5	204/204 (100%)	0.15	1 (0%) 87 75	40, 54, 66, 70	0
52	M6	197/198 (99%)	0.06	3 (1%) 72 52	34, 44, 59, 66	20 (10%)
52	m6	197/198 (99%)	0.09	10 (5%) 33 19	31, 39, 57, 65	18 (9%)
53	M7	183/183 (100%)	0.01	9 (4%) 35 20	43, 50, 97, 121	0
53	m7	155/183 (84%)	-0.30	1 (0%) 85 72	37, 45, 59, 88	0
54	M8	185/185 (100%)	0.16	5 (2%) 56 35	41, 54, 69, 90	0
54	m8	185/185 (100%)	0.02	3 (1%) 70 50	40, 55, 64, 68	0
55	M9	188/188 (100%)	0.37	8 (4%) 40 23	60, 74, 144, 150	0
55	m9	188/188 (100%)	0.20	3 (1%) 70 50	49, 62, 125, 137	0
56	N0	172/172 (100%)	0.07	2 (1%) 76 57	46, 54, 65, 73	0
56	n0	172/172 (100%)	-0.26	2 (1%) 76 57	41, 48, 61, 70	0
57	N1	159/159 (100%)	0.15	3 (1%) 66 45	41, 54, 96, 103	0
57	n1	159/159 (100%)	0.10	5 (3%) 51 31	38, 48, 82, 88	0
58	N2	100/120 (83%)	0.46	7 (7%) 22 13	89, 104, 117, 121	0
58	n2	98/120 (81%)	0.24	2 (2%) 65 44	73, 85, 93, 97	0
59	N3	136/136 (100%)	-0.05	3 (2%) 62 41	46, 56, 68, 76	0
59	n3	136/136 (100%)	-0.23	0 100 100	35, 45, 56, 60	0
60	N4	98/155 (63%)	0.92	21 (21%) 2 2	57, 69, 134, 146	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
60	n4	135/155 (87%)	0.62	14 (10%) 11 7	45, 93, 120, 132	0
61	N5	121/141 (85%)	0.06	1 (0%) 82 66	55, 66, 82, 107	0
61	n5	120/141 (85%)	0.11	0 100 100	53, 66, 81, 93	0
62	N6	126/126 (100%)	0.01	2 (1%) 70 50	46, 60, 71, 77	0
62	n6	126/126 (100%)	0.14	1 (0%) 82 66	49, 63, 75, 82	0
63	N7	135/135 (100%)	0.28	0 100 100	81, 93, 105, 113	0
63	n7	135/135 (100%)	0.40	1 (0%) 84 69	74, 88, 99, 104	0
64	N8	148/148 (100%)	-0.07	1 (0%) 84 69	35, 56, 78, 89	0
64	n8	148/148 (100%)	-0.02	2 (1%) 73 53	35, 55, 76, 80	0
65	N9	58/58 (100%)	0.24	3 (5%) 33 19	37, 60, 96, 109	0
65	n9	58/58 (100%)	0.34	5 (8%) 16 9	37, 56, 77, 87	0
66	O0	97/104 (93%)	0.23	1 (1%) 79 62	81, 89, 107, 111	0
66	o0	100/104 (96%)	0.10	3 (3%) 52 32	72, 80, 100, 109	0
67	O1	109/112 (97%)	0.06	0 100 100	57, 69, 91, 98	0
67	o1	109/112 (97%)	-0.04	0 100 100	45, 57, 88, 104	0
68	O2	127/129 (98%)	-0.21	2 (1%) 70 50	36, 48, 61, 74	0
68	o2	127/129 (98%)	-0.16	0 100 100	34, 51, 64, 70	0
69	O3	106/106 (100%)	-0.19	0 100 100	39, 45, 64, 74	0
69	o3	106/106 (100%)	-0.21	1 (0%) 81 64	38, 45, 69, 77	0
70	O4	112/119 (94%)	0.62	6 (5%) 31 18	55, 71, 106, 113	0
70	o4	112/119 (94%)	0.52	3 (2%) 56 35	48, 66, 102, 107	0
71	O5	119/119 (100%)	0.16	3 (2%) 58 37	51, 68, 76, 81	0
71	o5	119/119 (100%)	0.16	1 (0%) 82 66	55, 68, 83, 92	0
72	O6	99/99 (100%)	0.25	3 (3%) 52 32	59, 69, 97, 110	0
72	o6	99/99 (100%)	0.23	1 (1%) 79 62	63, 71, 88, 106	0
73	O7	87/87 (100%)	0.16	2 (2%) 61 40	42, 48, 66, 85	0
73	o7	87/87 (100%)	0.14	2 (2%) 61 40	39, 47, 73, 92	0
74	O8	77/77 (100%)	0.32	2 (2%) 57 36	77, 90, 107, 112	0
74	o8	77/77 (100%)	0.30	2 (2%) 57 36	73, 86, 99, 101	0
75	O9	50/50 (100%)	0.24	2 (4%) 42 24	49, 55, 58, 58	0
75	o9	50/50 (100%)	0.19	0 100 100	47, 52, 60, 61	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
76	Q0	52/52 (100%)	-0.12	0 100 100	46, 52, 67, 73	0
76	q0	52/52 (100%)	-0.32	0 100 100	39, 45, 55, 58	0
77	Q1	25/25 (100%)	0.30	1 (4%) 42 24	58, 64, 68, 69	0
77	q1	25/25 (100%)	0.32	2 (8%) 18 10	50, 53, 56, 57	0
78	Q2	105/105 (100%)	-0.13	1 (0%) 79 62	42, 56, 75, 99	0
78	q2	105/105 (100%)	-0.13	0 100 100	41, 54, 69, 107	0
79	Q3	91/91 (100%)	0.16	3 (3%) 49 29	51, 64, 78, 86	0
79	q3	91/91 (100%)	0.06	3 (3%) 49 29	44, 56, 72, 82	0
80	d2	130/130 (100%)	0.24	1 (0%) 82 66	63, 75, 82, 91	0
81	m2	0/150	-	-	-	-
82	m5	203/203 (100%)	0.09	2 (0%) 79 62	41, 56, 68, 73	0
83	p0	143/220 (65%)	0.88	12 (8%) 17 10	103, 124, 217, 227	0
84	p1	0/47	-	-	-	-
84	p2	0/47	-	-	-	-
85	f	147/157 (93%)	0.95	13 (8%) 15 9	38, 76, 142, 145	4 (2%)
86	l1	0/213	-	-	-	-
All	All	33262/35574 (93%)	0.15	946 (2%) 55 34	31, 73, 133, 227	44 (0%)

All (946) RSRZ outliers are listed below:

Mol	Chain	Res	Type	RSRZ
13	c1	3	THR	8.3
60	N4	86	SER	6.9
1	2	1756[A]	A	6.4
5	s3	151	LYS	6.2
60	n4	68	ALA	6.1
56	N0	1	MET	5.9
60	N4	88	ASP	5.9
7	s5	37	GLN	5.7
36	1	2205	U	5.7
9	S7	98	ILE	5.4
7	S5	71	ALA	5.4
22	d0	64	LYS	5.1
1	2	1708	U	5.0
4	s2	92	ALA	4.9
12	c0	84	GLU	4.7
13	C1	156	PHE	4.7
73	O7	88	ALA	4.7

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Mol	Chain	Res	Type	RSRZ
1	2	1694	A	4.7
18	c6	2	SER	4.6
33	e1	79	LYS	4.6
4	s2	93	GLY	4.6
60	N4	75	THR	4.5
1	2	506	A	4.5
4	s2	181	SER	4.4
39	l2	252	THR	4.4
1	2	1693	A	4.3
28	D6	58	VAL	4.3
25	d3	21	ASN	4.3
60	n4	117	LYS	4.2
35	SM	88	ARG	4.2
18	c6	124	PRO	4.1
17	c5	126	VAL	4.1
47	M0	112	GLN	4.1
14	c2	71	ILE	4.0
17	c5	4	ALA	4.0
33	e1	77	GLY	4.0
36	5	3275	U	4.0
1	2	1709	C	4.0
60	N4	76	VAL	4.0
47	M0	218	ALA	4.0
45	L8	116	VAL	4.0
54	M8	167	SER	4.0
60	N4	81	PRO	3.9
70	o4	58	ARG	3.9
70	O4	2	ALA	3.9
45	l8	121	SER	3.9
7	S5	37	GLN	3.9
21	C9	71	VAL	3.9
31	d9	7	TRP	3.9
35	SM	11	ASP	3.8
73	o7	88	ALA	3.8
1	6	794	U	3.8
8	S6	66	GLY	3.8
8	S6	175	ILE	3.8
60	N4	89	LEU	3.8
4	s2	87	GLN	3.8
11	s9	148	VAL	3.8
34	sR	136	ILE	3.7
39	L2	252	THR	3.7

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Mol	Chain	Res	Type	RSRZ
83	p0	107	ALA	3.7
60	n4	95	SER	3.7
35	sM	161	ASP	3.7
6	S4	65	LEU	3.7
1	6	1695	G	3.7
4	s2	88	LYS	3.7
20	c8	18	LEU	3.7
1	2	1699	G	3.6
16	C4	133	ARG	3.6
8	S6	77	LEU	3.6
8	s6	212	LEU	3.6
36	1	1103	A	3.6
5	s3	148	LYS	3.6
4	s2	84	LYS	3.6
9	S7	150	GLN	3.6
77	q1	25	LYS	3.6
8	S6	80	ASN	3.6
52	M6	3	VAL	3.6
33	e1	85	TYR	3.6
14	c2	45	LEU	3.6
4	s2	85	PRO	3.6
4	s2	90	THR	3.6
33	E1	87	THR	3.6
12	c0	25	LYS	3.6
60	N4	83	THR	3.6
18	c6	132	LYS	3.5
55	M9	72	GLU	3.5
8	S6	78	THR	3.5
1	2	1695	G	3.5
8	s6	148	SER	3.5
36	5	2971	A	3.5
36	1	1349	G	3.5
45	l8	124	ASP	3.5
3	S1	140	ILE	3.5
8	S6	79	LYS	3.4
33	e1	84	VAL	3.4
40	L3	245	GLY	3.4
40	L3	387	LEU	3.4
14	c2	64	SER	3.4
59	N3	2	SER	3.4
83	p0	192	ASP	3.4
35	SM	87	THR	3.4

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Mol	Chain	Res	Type	RSRZ
10	S8	152	ILE	3.4
22	D0	74	GLU	3.4
3	s1	54	LEU	3.4
36	1	3079	U	3.4
15	C3	57	ALA	3.4
4	s2	89	GLN	3.4
21	c9	55	TYR	3.4
9	S7	4	PRO	3.4
25	D3	21	ASN	3.3
13	c1	4	GLU	3.3
22	d0	83	GLU	3.3
45	l8	254	ASP	3.3
22	D0	64	LYS	3.3
1	2	1710	U	3.3
1	2	1426	C	3.3
8	s6	88	ARG	3.3
57	N1	77	ASN	3.3
1	2	1692	G	3.3
35	sM	155	ALA	3.3
36	5	1103	A	3.3
13	C1	146	ALA	3.3
15	c3	16	ILE	3.3
6	S4	261	LEU	3.3
48	M1	127	PHE	3.3
36	1	1570	U	3.3
36	1	2954	U	3.3
5	s3	184	ILE	3.3
9	S7	8	ILE	3.2
22	D0	19	ILE	3.2
71	o5	120	ALA	3.2
1	2	1697	G	3.2
12	c0	89	GLY	3.2
18	c6	141	SER	3.2
36	1	1581	C	3.2
26	d4	106	GLN	3.2
30	D8	44	VAL	3.2
7	S5	152	GLY	3.2
8	S6	75	LEU	3.2
35	SM	85	SER	3.2
18	C6	21	HIS	3.2
6	S4	66	MET	3.2
28	D6	79	ILE	3.2

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Mol	Chain	Res	Type	RSRZ
6	s4	39	ARG	3.2
34	sR	244	ALA	3.2
5	s3	160	SER	3.2
17	c5	136	SER	3.2
3	S1	61	LEU	3.2
10	s8	61	GLU	3.2
17	c5	5	VAL	3.2
9	s7	8	ILE	3.2
15	c3	66	ILE	3.2
35	SM	9	GLY	3.1
75	O9	29	LEU	3.1
34	SR	6	VAL	3.1
70	O4	23	VAL	3.1
83	p0	197	PHE	3.1
36	1	2821	C	3.1
36	5	1579	C	3.1
19	c7	96	SER	3.1
22	D0	81	THR	3.1
60	n4	121	ALA	3.1
9	s7	93	LEU	3.1
35	SM	167	GLU	3.1
4	S2	85	PRO	3.1
35	sM	52	PRO	3.1
16	C4	40	ALA	3.1
14	C2	103	LEU	3.1
60	N4	87	LEU	3.1
35	SM	155	GLU	3.1
28	D6	56	ALA	3.1
39	L2	250	GLN	3.1
22	D0	54	GLY	3.1
39	l2	248	GLY	3.1
12	C0	61	TRP	3.1
44	L7	26	VAL	3.1
21	C9	36	ILE	3.1
13	C1	145	ALA	3.1
15	c3	57	ALA	3.1
9	S7	99	LEU	3.1
13	c1	117	VAL	3.1
35	SM	106	VAL	3.1
3	S1	170	GLU	3.1
35	SM	162	GLU	3.1
35	sM	163	GLU	3.1

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Mol	Chain	Res	Type	RSRZ
57	n1	86	GLU	3.1
1	6	1756[A]	A	3.1
29	d7	24	LEU	3.0
79	q3	2	ALA	3.0
55	m9	56	THR	3.0
1	6	1708	U	3.0
36	5	1567	U	3.0
33	e1	82	LYS	3.0
16	C4	39	ILE	3.0
53	M7	182	ILE	3.0
19	C7	103	ASP	3.0
17	C5	101	ALA	3.0
30	D8	43	ASN	3.0
39	L2	253	GLN	3.0
32	e0	62	VAL	3.0
35	SM	165	GLU	3.0
47	m0	103	LEU	3.0
35	SM	166	LYS	3.0
1	2	1707	A	3.0
53	M7	161	ALA	3.0
68	O2	127	ALA	3.0
17	c5	138	PHE	3.0
4	s2	96	THR	3.0
15	C3	61	THR	3.0
85	f	142	MET	3.0
6	S4	131	LEU	3.0
35	SM	159	GLU	3.0
55	M9	59	SER	3.0
21	c9	18	TYR	3.0
64	n8	46	ASP	3.0
12	c0	22	VAL	3.0
30	d8	24	GLY	3.0
19	C7	62	GLN	3.0
12	C0	96	ASN	3.0
19	c7	97	ASN	3.0
28	D6	8	ASN	3.0
28	D6	53	LEU	2.9
12	C0	89	GLY	2.9
20	C8	22	VAL	2.9
30	D8	17	GLY	2.9
52	m6	3	VAL	2.9
60	n4	67	VAL	2.9

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Mol	Chain	Res	Type	RSRZ
18	c6	44	LEU	2.9
57	N1	85	LEU	2.9
10	S8	67	TRP	2.9
52	m6	69	GLY	2.9
36	5	443	G	2.9
36	5	3276	G	2.9
1	6	1694	A	2.9
33	e1	88	PRO	2.9
5	S3	149	ALA	2.9
35	SM	158	ALA	2.9
53	M7	184	ALA	2.9
36	5	3079	U	2.9
8	s6	208	TYR	2.9
13	c1	2	SER	2.9
18	c6	121	SER	2.9
6	S4	64	ILE	2.9
6	S4	52	LEU	2.9
14	c2	59	LEU	2.9
32	E0	49	LEU	2.9
35	sM	167	THR	2.9
32	E0	2	ALA	2.9
33	e1	152	ALA	2.9
28	D6	18	VAL	2.9
35	SM	154	VAL	2.9
1	2	1686	C	2.9
36	5	1581	C	2.9
35	SM	161	ILE	2.9
54	M8	159	LYS	2.9
62	n6	126	LEU	2.9
28	D6	2	PRO	2.9
33	E1	152	ALA	2.9
9	S7	142	TYR	2.9
11	S9	3	ARG	2.9
12	c0	64	TYR	2.9
36	5	1580	A	2.9
2	s0	146	LEU	2.9
5	S3	105	MET	2.9
7	S5	36	ALA	2.8
17	c5	131	ALA	2.8
19	C7	126	ALA	2.8
52	m6	65	ASN	2.8
31	D9	54	LYS	2.8

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Mol	Chain	Res	Type	RSRZ
5	S3	217	ILE	2.8
26	D4	18	LEU	2.8
42	L5	3	PHE	2.8
42	l5	272	TYR	2.8
45	l8	109	LEU	2.8
15	C3	62	GLN	2.8
1	2	1696	G	2.8
35	SM	134	ASP	2.8
36	5	1764	U	2.8
3	S1	46	THR	2.8
1	2	1711	C	2.8
2	S0	29	VAL	2.8
52	M6	65	ASN	2.8
4	S2	207	LEU	2.8
20	c8	3	LEU	2.8
28	D6	57	SER	2.8
13	C1	151	LYS	2.8
35	sM	156	LYS	2.8
1	2	261	U	2.8
6	s4	261	LEU	2.8
25	d3	15	LEU	2.8
34	SR	32	LEU	2.8
70	o4	57	LEU	2.8
56	n0	1	MET	2.8
18	c6	24	ALA	2.8
58	N2	46	ALA	2.8
6	s4	15	PRO	2.8
11	S9	2	PRO	2.8
53	M7	165	VAL	2.8
57	N1	126	VAL	2.8
7	S5	91	GLU	2.8
11	s9	147	MET	2.8
12	c0	28	ASN	2.8
1	2	1702	A	2.8
16	C4	16	VAL	2.8
19	c7	100	LEU	2.8
35	SM	157	ASP	2.7
13	C1	150	ASN	2.7
5	s3	149	ALA	2.7
17	c5	8	LYS	2.7
35	sM	119	ALA	2.7
45	l8	117	ALA	2.7

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Mol	Chain	Res	Type	RSRZ
60	n4	122	ALA	2.7
14	c2	31	VAL	2.7
36	1	2808	A	2.7
6	S4	44	LEU	2.7
1	6	1700	C	2.7
16	C4	83	ILE	2.7
36	1	2507	C	2.7
60	N4	65	GLU	2.7
1	6	1228	G	2.7
25	d3	18	HIS	2.7
35	SM	141	ALA	2.7
26	D4	100	VAL	2.7
13	C1	4	GLU	2.7
23	D1	10	GLU	2.7
52	m6	100	GLU	2.7
18	c6	11	GLY	2.7
22	d0	107	THR	2.7
30	D8	21	SER	2.7
15	c3	25	TRP	2.7
70	O4	21	LYS	2.7
5	s3	87	TYR	2.7
28	D6	80	HIS	2.7
85	f	52	HIS	2.7
18	C6	4	VAL	2.7
2	s0	170	ILE	2.7
54	M8	155	MET	2.7
57	n1	79	MET	2.7
4	s2	105	GLY	2.7
35	SM	89	ARG	2.7
54	M8	156	GLY	2.7
40	l3	363	SER	2.7
54	m8	159	LYS	2.7
1	6	678	A	2.7
5	S3	179	GLN	2.7
8	s6	176	GLN	2.7
37	7	73	C	2.7
60	N4	63	ILE	2.7
33	e1	87	THR	2.7
16	C4	123	SER	2.7
75	O9	2	ALA	2.7
79	Q3	92	ALA	2.7
2	S0	158	VAL	2.7

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Mol	Chain	Res	Type	RSRZ
33	e1	98	VAL	2.7
25	D3	27	ASN	2.7
35	SM	86	ASN	2.7
1	2	793	A	2.6
8	S6	182	GLN	2.6
36	5	2401	A	2.6
28	D6	92	ARG	2.6
85	f	81	GLU	2.6
13	C1	3	THR	2.6
5	S3	59	LEU	2.6
8	s6	147	LEU	2.6
13	c1	142	VAL	2.6
20	c8	146	ALA	2.6
45	L8	66	SER	2.6
55	M9	177	VAL	2.6
60	N4	95	SER	2.6
6	S4	54	TYR	2.6
1	2	1698	G	2.6
12	c0	36	ASP	2.6
11	s9	149	ARG	2.6
1	6	1491	U	2.6
42	l5	263	GLU	2.6
13	c1	144	ALA	2.6
42	l5	125	VAL	2.6
16	C4	132	ARG	2.6
25	d3	110	LYS	2.6
55	m9	173	ARG	2.6
12	c0	97	PRO	2.6
15	C3	23	PRO	2.6
28	D6	31	PRO	2.6
4	S2	145	GLY	2.6
28	D6	9	GLY	2.6
45	l8	112	GLU	2.6
32	e0	49	LEU	2.6
16	C4	13	VAL	2.6
33	e1	86	THR	2.6
35	SM	153	LYS	2.6
36	1	2404	A	2.6
36	5	440	A	2.6
33	E1	145	HIS	2.6
33	e1	95	HIS	2.6
31	D9	8	PHE	2.6

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Mol	Chain	Res	Type	RSRZ
36	5	1192	C	2.6
56	N0	138	GLN	2.6
64	N8	46	ASP	2.6
39	L2	201	GLY	2.6
59	N3	3	GLY	2.6
7	S5	70	VAL	2.6
31	d9	6	VAL	2.6
52	m6	184	THR	2.6
53	m7	156	ALA	2.6
57	n1	80	VAL	2.6
17	C5	50	THR	2.6
70	O4	67	LYS	2.6
8	S6	73	ILE	2.6
8	S6	158	ILE	2.6
18	C6	142	TYR	2.6
65	n9	24	PRO	2.6
1	6	684	A	2.6
36	1	2207	A	2.6
16	C4	75	GLY	2.6
9	S7	34	LEU	2.6
1	2	696	C	2.6
1	6	1709	C	2.6
5	S3	144	ALA	2.6
14	c2	112	ALA	2.6
33	E1	82	LYS	2.6
33	E1	86	THR	2.6
36	5	2875	U	2.5
52	M6	70	PRO	2.5
14	c2	28	LEU	2.5
17	c5	11	VAL	2.5
83	p0	14	LYS	2.5
1	6	138	A	2.5
6	s4	14	ALA	2.5
36	5	1350	A	2.5
60	n4	125	ALA	2.5
24	D2	34	ILE	2.5
36	1	2772	C	2.5
36	5	1582	C	2.5
10	s8	179	CYS	2.5
55	M9	52	LYS	2.5
58	N2	47	VAL	2.5
6	S4	79	ASP	2.5

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Mol	Chain	Res	Type	RSRZ
7	s5	154	ALA	2.5
18	c6	3	ALA	2.5
60	N4	85	ALA	2.5
60	n4	103	ALA	2.5
25	D3	24	TRP	2.5
53	M7	129	THR	2.5
36	1	2401	A	2.5
3	S1	47	LEU	2.5
1	2	1128	C	2.5
6	S4	25	GLY	2.5
14	c2	123	VAL	2.5
66	o0	105	ALA	2.5
1	6	261	U	2.5
4	s2	208	GLU	2.5
17	c5	103	ASN	2.5
30	D8	53	ILE	2.5
35	SM	10	ASN	2.5
60	N4	82	ILE	2.5
64	n8	120	ASN	2.5
3	S1	223	PHE	2.5
13	C1	153	PHE	2.5
17	c5	134	THR	2.5
48	m1	8	PRO	2.5
60	N4	98	PRO	2.5
14	c2	105	LYS	2.5
18	C6	114	ARG	2.5
31	D9	56	ARG	2.5
52	m6	66	LYS	2.5
1	2	1691	A	2.5
28	D6	50	VAL	2.5
33	e1	147	VAL	2.5
16	C4	71	CYS	2.5
1	2	234	G	2.5
10	S8	21	PHE	2.5
6	s4	246	LEU	2.5
12	C0	2	LEU	2.5
30	d8	65	ARG	2.5
33	e1	145	HIS	2.5
15	c3	2	GLY	2.5
25	d3	2	GLY	2.5
5	s3	164	VAL	2.5
26	D4	5	VAL	2.5

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Mol	Chain	Res	Type	RSRZ
85	f	22	GLN	2.5
13	C1	154	ALA	2.4
53	M7	162	GLU	2.4
15	C3	26	PHE	2.4
16	C4	135	ARG	2.4
60	N4	73	ARG	2.4
5	S3	71	LEU	2.4
16	C4	110	LEU	2.4
30	D8	16	LEU	2.4
1	6	679	U	2.4
5	s3	159	HIS	2.4
6	S4	8	HIS	2.4
8	s6	162	VAL	2.4
18	c6	19	VAL	2.4
27	D5	62	VAL	2.4
53	M7	156	ALA	2.4
27	D5	41	ILE	2.4
66	o0	61	MET	2.4
7	S5	96	SER	2.4
14	C2	68	GLU	2.4
31	D9	9	SER	2.4
36	1	2971	A	2.4
5	s3	161	GLY	2.4
43	l6	67	GLY	2.4
58	N2	27	VAL	2.4
1	2	321	C	2.4
3	S1	156	ALA	2.4
9	S7	12	ALA	2.4
30	D8	63	ALA	2.4
45	L8	125	ALA	2.4
1	2	1370	U	2.4
36	1	2875	U	2.4
38	8	81	U	2.4
32	E0	56	MET	2.4
17	c5	9	LYS	2.4
39	L2	247	ARG	2.4
60	n4	97	LYS	2.4
8	S6	144	PHE	2.4
11	s9	152	SER	2.4
8	S6	181	PRO	2.4
12	c0	98	THR	2.4
58	n2	14	THR	2.4

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Mol	Chain	Res	Type	RSRZ
14	C2	116	VAL	2.4
28	d6	58	VAL	2.4
70	O4	22	VAL	2.4
7	S5	151	GLY	2.4
14	c2	127	GLY	2.4
28	D6	49	ALA	2.4
32	e0	2	ALA	2.4
73	O7	86	ALA	2.4
36	1	1025	A	2.4
32	E0	54	ARG	2.4
39	L2	251	LYS	2.4
40	L3	4	ARG	2.4
1	2	1332	C	2.4
27	d5	51	LEU	2.4
34	sR	301	LEU	2.4
36	5	439	C	2.4
36	5	2492	C	2.4
55	M9	187	GLU	2.4
14	c2	65	SER	2.4
1	6	677	G	2.4
36	1	1547	G	2.4
34	sR	56	VAL	2.4
35	SM	81	THR	2.4
35	sM	138	GLY	2.4
46	l9	190	ASP	2.4
83	p0	206	ASP	2.4
33	E1	91	ILE	2.4
34	sR	296	ALA	2.4
63	n7	68	ILE	2.4
7	S5	41	LYS	2.4
13	C1	148	LYS	2.4
65	n9	22	LYS	2.4
14	c2	113	ARG	2.4
25	d3	23	ARG	2.4
28	D6	85	ARG	2.4
6	S4	47	PHE	2.4
74	O8	43	PHE	2.4
2	S0	201	LEU	2.4
9	S7	15	GLU	2.4
66	o0	9	SER	2.4
22	d0	62	VAL	2.4
83	p0	105	VAL	2.4

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Mol	Chain	Res	Type	RSRZ
82	m5	183	THR	2.3
85	f	126	THR	2.3
33	e1	90	LYS	2.3
50	M4	9	ALA	2.3
54	m8	145	ASN	2.3
19	c7	3	ARG	2.3
33	e1	80	ARG	2.3
68	O2	2	ALA	2.3
39	l2	71	LEU	2.3
83	p0	73	PHE	2.3
85	f	124	LEU	2.3
5	S3	164	VAL	2.3
8	S6	67	VAL	2.3
11	S9	5	PRO	2.3
1	2	1371	A	2.3
19	C7	125	SER	2.3
22	D0	120	SER	2.3
25	d3	40	SER	2.3
28	D6	76	SER	2.3
31	D9	7	TRP	2.3
85	f	20	PRO	2.3
7	S5	75	GLY	2.3
13	c1	147	GLY	2.3
17	c5	135	THR	2.3
83	p0	94	THR	2.3
18	C6	74	HIS	2.3
60	N4	68	ALA	2.3
8	s6	156	PHE	2.3
1	2	913	G	2.3
4	S2	63	VAL	2.3
8	S6	153	VAL	2.3
20	c8	22	VAL	2.3
26	D4	70	VAL	2.3
34	sR	58	VAL	2.3
36	5	2403	G	2.3
22	d0	77	LYS	2.3
4	s2	95	ARG	2.3
7	s5	150	GLY	2.3
21	C9	116	ILE	2.3
40	l3	245	GLY	2.3
15	C3	15	ALA	2.3
16	C4	106	ALA	2.3

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Mol	Chain	Res	Type	RSRZ
42	l5	267	ALA	2.3
49	m3	195	ALA	2.3
58	N2	55	THR	2.3
60	N4	72	SER	2.3
7	S5	104	ASN	2.3
1	6	1337	A	2.3
78	Q2	106	PHE	2.3
85	f	43	ASP	2.3
5	S3	135	GLU	2.3
5	s3	185	LYS	2.3
6	S4	196	VAL	2.3
36	1	1292	C	2.3
53	M7	157	VAL	2.3
52	m6	78	ARG	2.3
18	C6	3	ALA	2.3
53	M7	158	ALA	2.3
74	o8	2	ALA	2.3
22	d0	67	THR	2.3
65	N9	26	THR	2.3
72	o6	19	SER	2.3
35	SM	156	LEU	2.3
85	f	92	LEU	2.3
36	5	1349	G	2.3
65	N9	29	TYR	2.3
8	s6	80	ASN	2.3
10	S8	179	CYS	2.3
11	S9	38	ASN	2.3
26	d4	135	ASP	2.3
39	l2	253	GLN	2.3
79	q3	7	LYS	2.3
3	S1	167	VAL	2.3
10	S8	8	ARG	2.3
59	N3	32	ARG	2.3
58	N2	38	ILE	2.3
7	S5	74	ALA	2.3
10	s8	177	GLY	2.3
15	C3	22	ALA	2.3
35	sM	124	ALA	2.3
1	6	659	C	2.3
1	6	1284	C	2.3
36	1	1574	C	2.3
36	5	2098	C	2.3

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Mol	Chain	Res	Type	RSRZ
7	s5	27	THR	2.3
16	C4	119	THR	2.3
29	d7	33	LEU	2.3
34	SR	9	LEU	2.3
42	l5	293	LEU	2.3
71	O5	101	THR	2.3
80	d2	38	LEU	2.3
4	S2	84	LYS	2.3
22	d0	101	LYS	2.3
35	SM	107	ASN	2.3
60	n4	113	LYS	2.3
16	C4	28	VAL	2.3
20	c8	4	VAL	2.3
28	D6	45	VAL	2.3
25	D3	2	GLY	2.2
55	M9	189	ALA	2.2
83	p0	106	ALA	2.2
1	6	754	A	2.2
8	s6	216	LEU	2.2
9	s7	153	LEU	2.2
2	s0	46	HIS	2.2
3	S1	138	PHE	2.2
41	L4	310	THR	2.2
60	N4	69	LYS	2.2
85	f	45	SER	2.2
1	2	1705	C	2.2
19	c7	95	ARG	2.2
2	s0	189	VAL	2.2
19	C7	101	ASN	2.2
25	d3	10	ASN	2.2
45	l8	252	ASN	2.2
13	C1	54	ILE	2.2
15	C3	16	ILE	2.2
3	S1	217	LEU	2.2
5	s3	153	ALA	2.2
26	d4	18	LEU	2.2
35	sM	121	ALA	2.2
58	N2	89	LEU	2.2
71	O5	120	ALA	2.2
74	o8	78	LEU	2.2
1	2	656	G	2.2
1	2	1127	G	2.2

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Mol	Chain	Res	Type	RSRZ
1	6	651	G	2.2
1	6	660	G	2.2
22	d0	104	THR	2.2
35	SM	163	THR	2.2
60	n4	120	LYS	2.2
60	n4	124	LYS	2.2
65	n9	23	LYS	2.2
1	2	194	U	2.2
36	1	1567	U	2.2
82	m5	147	ARG	2.2
11	s9	127	VAL	2.2
30	D8	48	VAL	2.2
55	M9	51	VAL	2.2
58	N2	9	GLN	2.2
57	n1	66	ASN	2.2
2	S0	98	ILE	2.2
57	n1	76	ILE	2.2
1	6	1711	C	2.2
36	5	3278	C	2.2
5	S3	153	ALA	2.2
5	S3	216	PRO	2.2
34	SR	27	ALA	2.2
39	l2	164	GLY	2.2
54	m8	14	GLY	2.2
55	m9	184	LEU	2.2
62	N6	92	GLY	2.2
12	c0	95	ARG	2.2
13	c1	116	ARG	2.2
52	m6	62	THR	2.2
15	c3	40	TYR	2.2
34	sR	282	SER	2.2
45	l8	123	GLN	2.2
9	S7	125	ILE	2.2
12	c0	81	ASN	2.2
12	c0	94	GLU	2.2
61	N5	24	LEU	2.2
6	s4	26	CYS	2.2
34	SR	212	ALA	2.2
45	l8	114	ALA	2.2
3	s1	89	ASP	2.2
8	S6	74	LYS	2.2
46	L9	190	ASP	2.2

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Mol	Chain	Res	Type	RSRZ
65	n9	25	LYS	2.2
83	p0	26	PHE	2.2
1	2	239	C	2.2
36	1	1563	C	2.2
19	C7	25	THR	2.2
19	c7	25	THR	2.2
46	L9	188	THR	2.2
55	M9	58	HIS	2.2
9	S7	109	VAL	2.2
9	s7	136	VAL	2.2
14	c2	115	VAL	2.2
22	D0	117	VAL	2.2
28	D6	84	VAL	2.2
5	S3	66	ILE	2.2
7	S5	68	ILE	2.2
21	C9	41	SER	2.2
35	sM	25	ILE	2.2
39	l2	250	GLN	2.2
5	S3	86	LEU	2.2
6	S4	33	ALA	2.2
10	S8	167	ALA	2.2
2	s0	207	PRO	2.2
18	C6	12	LYS	2.2
25	d3	64	PRO	2.2
52	m6	60	LYS	2.2
60	n4	115	LYS	2.2
7	S5	43	PHE	2.2
40	l3	140	ASP	2.2
48	M1	104	PHE	2.2
1	2	1701	A	2.2
4	S2	144	TRP	2.2
36	1	2728	G	2.2
14	c2	120	VAL	2.1
36	1	1192	C	2.1
43	l6	130	ILE	2.1
5	s3	182	LEU	2.1
13	C1	152	GLN	2.1
18	c6	117	LEU	2.1
20	c8	17	LEU	2.1
20	c8	131	LEU	2.1
83	p0	199	SER	2.1
18	c6	68	ARG	2.1

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Mol	Chain	Res	Type	RSRZ
21	C9	86	ARG	2.1
30	D8	24	GLY	2.1
12	c0	27	PHE	2.1
28	D6	17	HIS	2.1
6	S4	82	TYR	2.1
6	s4	244	ILE	2.1
8	s6	133	LEU	2.1
25	D3	34	LEU	2.1
5	s3	3	ALA	2.1
8	s6	213	ALA	2.1
17	c5	137	ARG	2.1
36	1	2874	G	2.1
40	L3	21	ARG	2.1
74	O8	2	ALA	2.1
8	S6	33	GLY	2.1
29	D7	38	PRO	2.1
51	M5	82	GLY	2.1
26	d4	34	ASN	2.1
31	d9	8	PHE	2.1
4	s2	86	VAL	2.1
14	c2	63	VAL	2.1
3	S1	222	LYS	2.1
10	s8	200	LYS	2.1
16	C4	137	LEU	2.1
18	c6	142	TYR	2.1
20	C8	17	LEU	2.1
22	D0	107	THR	2.1
34	SR	79	TYR	2.1
36	5	620	U	2.1
45	L8	251	LYS	2.1
70	O4	20	ILE	2.1
12	C0	95	ARG	2.1
79	Q3	24	ARG	2.1
2	s0	83	GLN	2.1
28	D6	35	ALA	2.1
41	l4	62	ALA	2.1
1	6	793	A	2.1
1	6	1707	A	2.1
16	C4	15	GLY	2.1
16	C4	94	PRO	2.1
28	D6	90	GLU	2.1
36	1	1580	A	2.1

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Mol	Chain	Res	Type	RSRZ
60	N4	84	GLY	2.1
10	s8	45	SER	2.1
20	C8	2	SER	2.1
39	l2	249	SER	2.1
15	c3	151	ASN	2.1
4	S2	86	VAL	2.1
19	c7	66	VAL	2.1
31	D9	23	VAL	2.1
36	5	1565	G	2.1
8	S6	93	LYS	2.1
6	S4	26	CYS	2.1
9	s7	99	LEU	2.1
14	c2	107	ASP	2.1
26	d4	128	LYS	2.1
34	SR	161	LYS	2.1
34	sR	62	LYS	2.1
22	D0	78	THR	2.1
31	d9	14	TYR	2.1
45	L8	74	THR	2.1
71	O5	75	TYR	2.1
12	c0	23	ALA	2.1
27	D5	36	ALA	2.1
42	l5	288	ALA	2.1
1	6	493	U	2.1
36	1	1555	U	2.1
40	l3	139	GLN	2.1
4	S2	202	GLY	2.1
11	s9	169	PRO	2.1
28	D6	20	PRO	2.1
73	o7	87	SER	2.1
3	S1	225	VAL	2.1
14	C2	115	VAL	2.1
36	5	2494	A	2.1
60	n4	69	LYS	2.1
14	c2	62	LEU	2.1
15	C3	25	TRP	2.1
16	C4	76	ILE	2.1
25	D3	20	ARG	2.1
27	D5	75	LEU	2.1
30	D8	66	LEU	2.1
33	e1	117	LEU	2.1
66	O0	104	LEU	2.1

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Mol	Chain	Res	Type	RSRZ
5	s3	150	MET	2.1
22	D0	67	THR	2.1
22	D0	82	TYR	2.1
24	D2	2	THR	2.1
45	L8	226	TYR	2.1
65	n9	27	TYR	2.1
1	2	730	G	2.1
40	L3	22	ALA	2.1
47	M0	113	GLN	2.1
8	S6	225	GLU	2.1
35	sM	159	GLU	2.1
62	N6	88	GLU	2.1
1	6	241	U	2.0
3	S1	62	LYS	2.0
5	s3	138	VAL	2.0
19	C7	99	VAL	2.0
35	sM	84	LYS	2.0
36	5	3277	U	2.0
42	l5	286	VAL	2.0
85	f	32	VAL	2.0
21	c9	41	SER	2.0
85	f	123	SER	2.0
5	s3	158	ILE	2.0
9	S7	38	LEU	2.0
10	s8	184	LEU	2.0
12	c0	82	LEU	2.0
14	c2	111	ASN	2.0
14	c2	136	ILE	2.0
41	L4	106	TRP	2.0
7	S5	154	ALA	2.0
9	S7	94	ALA	2.0
18	C6	20	ALA	2.0
22	D0	119	ALA	2.0
25	D3	29	TYR	2.0
26	d4	134	ALA	2.0
34	sR	27	ALA	2.0
52	m6	61	ALA	2.0
70	o4	2	ALA	2.0
72	O6	48	ALA	2.0
77	Q1	10	THR	2.0
83	p0	205	THR	2.0
7	s5	153	GLY	2.0

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Mol	Chain	Res	Type	RSRZ
13	C1	42	PHE	2.0
30	D8	20	GLY	2.0
58	n2	60	GLY	2.0
54	M8	157	PRO	2.0
4	S2	208	GLU	2.0
5	S3	148	LYS	2.0
33	e1	92	LYS	2.0
45	l8	120	LYS	2.0
65	N9	59	LYS	2.0
5	s3	137	VAL	2.0
30	D8	15	VAL	2.0
1	6	720	G	2.0
3	S1	207	LEU	2.0
20	C8	3	LEU	2.0
33	E1	100	LEU	2.0
7	s5	68	ILE	2.0
22	D0	106	ILE	2.0
72	O6	26	ILE	2.0
72	O6	58	ILE	2.0
1	2	320	U	2.0
12	c0	96	ASN	2.0
22	D0	121	ASN	2.0
34	sR	121	MET	2.0
34	sR	251	TRP	2.0
15	c3	7	ALA	2.0
45	L8	114	ALA	2.0
56	n0	2	ALA	2.0
77	q1	22	ALA	2.0
45	l8	77	GLN	2.0
47	m0	112	GLN	2.0
60	N4	77	LYS	2.0
85	f	23	CYS	2.0
2	S0	207	PRO	2.0
69	o3	90	PRO	2.0
79	Q3	25	GLN	2.0
79	q3	3	LYS	2.0
5	s3	175	VAL	2.0
6	S4	70	VAL	2.0
33	E1	98	VAL	2.0
34	sR	104	VAL	2.0
60	N4	67	VAL	2.0
42	L5	293	LEU	2.0

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Mol	Chain	Res	Type	RSRZ
6	s4	162	ILE	2.0
8	S6	226	ILE	2.0
9	S7	49	ILE	2.0
1	2	1527	C	2.0
36	5	1016	C	2.0

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

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

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
85	5CT	f	51	15/16	0.92	0.19	46,46,46,46	15

5.3 Carbohydrates [i](#)

There are no oligosaccharides in this entry.

5.4 Ligands [i](#)

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

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
87	MG	2	1967	1/1	-0.09	0.31	130,130,130,130	0
87	MG	6	1997	1/1	0.27	0.33	122,122,122,122	0
87	MG	5	3734	1/1	0.29	0.40	93,93,93,93	0
87	MG	6	1938	1/1	0.32	0.44	98,98,98,98	0
87	MG	2	1925	1/1	0.41	0.28	99,99,99,99	0
87	MG	1	3405	1/1	0.45	0.35	118,118,118,118	0
88	OHX	5	4136	7/7	0.45	0.23	85,85,85,85	6
87	MG	M3	201	1/1	0.47	0.32	97,97,97,97	0
87	MG	5	3764	1/1	0.47	0.29	110,110,110,110	0
87	MG	5	3464	1/1	0.47	0.26	118,118,118,118	0
87	MG	6	2007	1/1	0.51	0.40	100,100,100,100	0
87	MG	2	1927	1/1	0.55	0.38	95,95,95,95	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
88	OHX	1	4101	7/7	0.59	0.18	85,85,85,85	6
87	MG	2	1973	1/1	0.59	0.44	107,107,107,107	0
88	OHX	2	2145	7/7	0.60	0.19	88,88,88,88	3
87	MG	c7	201	1/1	0.60	0.27	78,78,78,78	0
88	OHX	2	2117	7/7	0.60	0.19	95,95,95,95	5
87	MG	2	1989	1/1	0.61	0.32	103,103,103,103	0
87	MG	5	3499	1/1	0.61	0.19	50,50,50,50	0
87	MG	5	3621	1/1	0.61	0.40	99,99,99,99	0
87	MG	2	1961	1/1	0.62	0.23	101,101,101,101	0
87	MG	5	3467	1/1	0.63	0.19	125,125,125,125	0
88	OHX	2	2152	7/7	0.63	0.17	104,104,104,104	5
88	OHX	1	4030	7/7	0.63	0.21	73,73,73,73	3
88	OHX	1	4070	7/7	0.63	0.18	71,71,71,71	4
87	MG	8	210	1/1	0.63	0.27	86,86,86,86	0
87	MG	2	1970	1/1	0.63	0.42	91,91,91,91	0
87	MG	6	1973	1/1	0.64	0.31	102,102,102,102	0
88	OHX	5	4138	7/7	0.64	0.12	138,138,138,138	6
88	OHX	C3	201	7/7	0.65	0.20	94,94,94,94	3
88	OHX	6	2167	7/7	0.65	0.20	48,48,48,48	2
87	MG	6	1974	1/1	0.65	0.30	94,94,94,94	0
87	MG	6	1964	1/1	0.65	0.30	75,75,75,75	0
88	OHX	2	2147	7/7	0.66	0.15	102,102,102,102	6
87	MG	2	1909	1/1	0.67	0.39	84,84,84,84	0
87	MG	5	3749	1/1	0.67	0.30	70,70,70,70	0
87	MG	2	1931	1/1	0.67	0.44	70,70,70,70	0
87	MG	5	3440	1/1	0.68	0.32	81,81,81,81	0
87	MG	2	1949	1/1	0.68	0.36	90,90,90,90	0
87	MG	2	1956	1/1	0.68	0.30	90,90,90,90	0
88	OHX	2	2149	7/7	0.68	0.14	134,134,134,134	6
87	MG	5	3497	1/1	0.68	0.10	48,48,48,48	1
88	OHX	5	4137	7/7	0.68	0.26	96,96,96,96	6
87	MG	6	1962	1/1	0.68	0.32	95,95,95,95	0
87	MG	2	1947	1/1	0.69	0.30	98,98,98,98	0
87	MG	6	1909	1/1	0.69	0.29	109,109,109,109	0
88	OHX	5	4099	7/7	0.69	0.23	75,75,75,75	5
88	OHX	1	4080	7/7	0.70	0.15	60,60,60,60	5
87	MG	6	2008	1/1	0.70	0.21	83,83,83,83	0
88	OHX	6	2160	7/7	0.70	0.16	98,98,98,98	7
87	MG	2	1972	1/1	0.70	0.26	91,91,91,91	0
87	MG	6	1985	1/1	0.70	0.21	90,90,90,90	0
88	OHX	1	3984	7/7	0.70	0.21	72,72,72,72	4
87	MG	2	1915	1/1	0.70	0.36	78,78,78,78	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
87	MG	1	3659	1/1	0.70	0.28	86,86,86,86	0
88	OHX	1	3975	7/7	0.71	0.32	59,59,59,59	5
87	MG	5	3736	1/1	0.71	0.37	80,80,80,80	0
87	MG	2	1954	1/1	0.71	0.17	82,82,82,82	0
88	OHX	8	228	7/7	0.71	0.17	67,67,67,67	3
87	MG	6	1934	1/1	0.72	0.41	79,79,79,79	0
87	MG	5	3729	1/1	0.72	0.17	51,51,51,51	0
88	OHX	2	2123	7/7	0.72	0.19	94,94,94,94	4
88	OHX	6	2185	7/7	0.72	0.21	75,75,75,75	4
88	OHX	1	4041	7/7	0.72	0.14	200,200,200,200	7
88	OHX	1	4056	7/7	0.72	0.23	74,74,74,74	4
87	MG	5	3477	1/1	0.72	0.10	76,76,76,76	0
88	OHX	1	3966	7/7	0.72	0.17	55,55,55,55	2
88	OHX	1	4100	7/7	0.72	0.13	71,71,71,71	3
87	MG	5	3783	1/1	0.73	0.17	70,70,70,70	0
88	OHX	1	3869	7/7	0.73	0.31	56,56,56,56	4
88	OHX	3	219	7/7	0.73	0.13	78,78,78,78	5
87	MG	7	212	1/1	0.73	0.33	70,70,70,70	0
88	OHX	6	2165	7/7	0.73	0.13	119,119,119,119	7
87	MG	1	3742	1/1	0.73	0.19	68,68,68,68	0
87	MG	6	1966	1/1	0.73	0.27	83,83,83,83	0
88	OHX	5	4019	7/7	0.73	0.21	60,60,60,60	5
87	MG	2	1951	1/1	0.73	0.15	106,106,106,106	0
88	OHX	5	4103	7/7	0.73	0.17	63,63,63,63	7
87	MG	2	1993	1/1	0.73	0.16	76,76,76,76	0
87	MG	2	1950	1/1	0.73	0.26	99,99,99,99	0
87	MG	1	3418	1/1	0.73	0.40	78,78,78,78	0
87	MG	2	1976	1/1	0.73	0.23	75,75,75,75	0
87	MG	2	1904	1/1	0.74	0.39	75,75,75,75	0
87	MG	6	1959	1/1	0.74	0.33	80,80,80,80	0
87	MG	4	210	1/1	0.74	0.20	61,61,61,61	0
87	MG	1	3410	1/1	0.74	0.33	55,55,55,55	0
88	OHX	6	2115	7/7	0.74	0.21	70,70,70,70	4
87	MG	6	1904	1/1	0.74	0.32	82,82,82,82	0
87	MG	2	1929	1/1	0.74	0.27	75,75,75,75	0
87	MG	2	1975	1/1	0.74	0.25	74,74,74,74	0
88	OHX	1	4086	7/7	0.75	0.15	136,136,136,136	7
87	MG	2	1912	1/1	0.75	0.36	88,88,88,88	0
88	OHX	5	4095	7/7	0.75	0.22	60,60,60,60	4
87	MG	O7	102	1/1	0.75	0.42	67,67,67,67	0
87	MG	1	3660	1/1	0.75	0.27	52,52,52,52	0
88	OHX	5	4111	7/7	0.75	0.24	77,77,77,77	6

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
87	MG	1	3713	1/1	0.75	0.21	72,72,72,72	0
88	OHX	1	4067	7/7	0.75	0.14	104,104,104,104	4
87	MG	2	1941	1/1	0.75	0.29	81,81,81,81	0
87	MG	2	1959	1/1	0.75	0.40	84,84,84,84	0
88	OHX	5	3991	7/7	0.76	0.21	96,96,96,96	4
87	MG	1	3717	1/1	0.76	0.17	61,61,61,61	0
88	OHX	5	4061	7/7	0.76	0.21	61,61,61,61	1
88	OHX	2	2052	7/7	0.76	0.19	94,94,94,94	3
88	OHX	4	233	7/7	0.76	0.20	63,63,63,63	2
88	OHX	M9	201	7/7	0.76	0.09	75,75,75,75	3
87	MG	1	3718	1/1	0.76	0.23	108,108,108,108	0
87	MG	2	1962	1/1	0.76	0.33	66,66,66,66	0
87	MG	1	3711	1/1	0.76	0.10	59,59,59,59	1
87	MG	5	3786	1/1	0.76	0.29	90,90,90,90	0
88	OHX	5	4158	7/7	0.76	0.14	49,49,49,49	1
88	OHX	5	4159	7/7	0.76	0.12	162,162,162,162	7
87	MG	2	1966	1/1	0.76	0.17	90,90,90,90	0
88	OHX	15	303	7/7	0.76	0.17	94,94,94,94	6
87	MG	5	3663	1/1	0.77	0.30	84,84,84,84	0
87	MG	2	1907	1/1	0.77	0.35	65,65,65,65	0
87	MG	6	1963	1/1	0.77	0.17	89,89,89,89	0
87	MG	2	1945	1/1	0.77	0.41	90,90,90,90	0
88	OHX	2	2146	7/7	0.77	0.16	82,82,82,82	5
87	MG	2	1963	1/1	0.77	0.22	95,95,95,95	0
87	MG	1	3407	1/1	0.77	0.24	52,52,52,52	0
87	MG	6	1915	1/1	0.77	0.36	82,82,82,82	0
87	MG	2	1901	1/1	0.77	0.38	87,87,87,87	0
87	MG	2	1960	1/1	0.77	0.23	75,75,75,75	0
87	MG	2	1977	1/1	0.77	0.41	83,83,83,83	0
87	MG	5	3762	1/1	0.78	0.26	45,45,45,45	1
87	MG	6	1914	1/1	0.78	0.18	78,78,78,78	0
88	OHX	1	4088	7/7	0.78	0.16	58,58,58,58	7
88	OHX	5	4034	7/7	0.78	0.14	72,72,72,72	3
88	OHX	2	2133	7/7	0.78	0.12	108,108,108,108	6
88	OHX	5	4090	7/7	0.78	0.14	83,83,83,83	4
88	OHX	5	4093	7/7	0.78	0.23	80,80,80,80	6
87	MG	5	3690	1/1	0.78	0.27	68,68,68,68	0
88	OHX	1	3995	7/7	0.78	0.18	98,98,98,98	7
87	MG	5	3785	1/1	0.78	0.21	52,52,52,52	0
87	MG	2	1974	1/1	0.78	0.34	71,71,71,71	0
88	OHX	6	2109	7/7	0.78	0.19	100,100,100,100	5
87	MG	5	3531	1/1	0.78	0.24	48,48,48,48	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
88	OHX	6	2151	7/7	0.78	0.23	58,58,58,58	4
88	OHX	5	4143	7/7	0.78	0.11	116,116,116,116	5
88	OHX	1	4064	7/7	0.78	0.17	62,62,62,62	5
87	MG	6	1921	1/1	0.78	0.33	71,71,71,71	0
87	MG	5	3623	1/1	0.78	0.44	95,95,95,95	0
88	OHX	6	2175	7/7	0.78	0.23	57,57,57,57	5
87	MG	1	3604	1/1	0.79	0.38	90,90,90,90	0
87	MG	6	1923	1/1	0.79	0.30	82,82,82,82	0
88	OHX	1	4011	7/7	0.79	0.12	117,117,117,117	4
87	MG	2	1968	1/1	0.79	0.23	89,89,89,89	0
88	OHX	1	4040	7/7	0.79	0.26	59,59,59,59	2
87	MG	2	1971	1/1	0.79	0.28	64,64,64,64	0
87	MG	6	1942	1/1	0.79	0.32	78,78,78,78	0
88	OHX	6	2134	7/7	0.79	0.14	88,88,88,88	6
88	OHX	6	2137	7/7	0.79	0.19	85,85,85,85	5
87	MG	6	1958	1/1	0.79	0.35	51,51,51,51	0
87	MG	5	3478	1/1	0.79	0.29	58,58,58,58	0
87	MG	1	3562	1/1	0.79	0.22	49,49,49,49	0
88	OHX	1	4072	7/7	0.79	0.17	68,68,68,68	5
88	OHX	5	4153	7/7	0.79	0.20	50,50,50,50	6
88	OHX	2	2108	7/7	0.79	0.18	83,83,83,83	3
88	OHX	6	2180	7/7	0.79	0.12	137,137,137,137	6
87	MG	1	3582	1/1	0.79	0.22	38,38,38,38	0
88	OHX	2	2119	7/7	0.79	0.14	84,84,84,84	3
89	ZN	d7	101	1/1	0.79	0.17	142,142,142,142	0
87	MG	5	3462	1/1	0.80	0.11	39,39,39,39	0
87	MG	M7	201	1/1	0.80	0.36	73,73,73,73	0
88	OHX	5	4070	7/7	0.80	0.18	69,69,69,69	3
88	OHX	5	4082	7/7	0.80	0.15	99,99,99,99	5
87	MG	2	1923	1/1	0.80	0.34	89,89,89,89	0
88	OHX	5	4091	7/7	0.80	0.12	34,34,34,34	4
88	OHX	6	2092	7/7	0.80	0.25	61,61,61,61	3
87	MG	2	1914	1/1	0.80	0.34	77,77,77,77	0
88	OHX	2	2139	7/7	0.80	0.11	164,164,164,164	7
88	OHX	1	4050	7/7	0.80	0.14	106,106,106,106	5
87	MG	1	3678	1/1	0.80	0.29	69,69,69,69	0
87	MG	6	1989	1/1	0.80	0.24	81,81,81,81	0
87	MG	6	1911	1/1	0.80	0.23	91,91,91,91	0
87	MG	1	4110	1/1	0.80	0.22	73,73,73,73	0
87	MG	5	3607	1/1	0.80	0.22	52,52,52,52	0
88	OHX	6	2173	7/7	0.80	0.19	88,88,88,88	6
87	MG	2	1983	1/1	0.80	0.28	71,71,71,71	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
87	MG	7	213	1/1	0.80	0.31	60,60,60,60	0
87	MG	6	2009	1/1	0.80	0.23	73,73,73,73	0
87	MG	6	1917	1/1	0.80	0.28	78,78,78,78	0
87	MG	2	1944	1/1	0.80	0.27	80,80,80,80	0
87	MG	2	1979	1/1	0.81	0.29	68,68,68,68	0
88	OHX	6	2179	7/7	0.81	0.16	99,99,99,99	4
87	MG	2	1940	1/1	0.81	0.29	72,72,72,72	0
88	OHX	6	2181	7/7	0.81	0.23	92,92,92,92	5
88	OHX	6	2182	7/7	0.81	0.14	152,152,152,152	7
87	MG	1	3434	1/1	0.81	0.21	59,59,59,59	0
88	OHX	c3	201	7/7	0.81	0.14	89,89,89,89	3
88	OHX	5	3962	7/7	0.81	0.19	61,61,61,61	4
87	MG	1	3482	1/1	0.81	0.25	51,51,51,51	0
87	MG	5	3567	1/1	0.81	0.32	38,38,38,38	0
87	MG	5	3595	1/1	0.81	0.39	35,35,35,35	0
88	OHX	5	4045	7/7	0.81	0.17	56,56,56,56	4
87	MG	1	3515	1/1	0.81	0.21	54,54,54,54	0
88	OHX	C5	201	7/7	0.81	0.11	116,116,116,116	5
88	OHX	1	4105	7/7	0.81	0.10	98,98,98,98	3
87	MG	2	1910	1/1	0.81	0.41	65,65,65,65	0
87	MG	2	1942	1/1	0.81	0.30	77,77,77,77	0
87	MG	5	3639	1/1	0.81	0.28	69,69,69,69	0
87	MG	o4	201	1/1	0.81	0.49	50,50,50,50	0
87	MG	SM	301	1/1	0.81	0.31	58,58,58,58	0
87	MG	2	1958	1/1	0.81	0.23	70,70,70,70	0
88	OHX	6	2117	7/7	0.81	0.17	94,94,94,94	5
88	OHX	5	4124	7/7	0.81	0.09	163,163,163,163	7
87	MG	5	3701	1/1	0.81	0.11	48,48,48,48	0
87	MG	5	3720	1/1	0.81	0.40	42,42,42,42	0
87	MG	6	1931	1/1	0.81	0.26	54,54,54,54	0
88	OHX	2	2126	7/7	0.81	0.13	111,111,111,111	5
88	OHX	6	2164	7/7	0.81	0.19	81,81,81,81	5
88	OHX	1	4053	7/7	0.81	0.22	51,51,51,51	4
88	OHX	2	2130	7/7	0.81	0.14	103,103,103,103	7
88	OHX	7	226	7/7	0.81	0.20	61,61,61,61	4
88	OHX	6	2169	7/7	0.81	0.18	61,61,61,61	5
88	OHX	6	2171	7/7	0.81	0.10	131,131,131,131	7
87	MG	2	1924	1/1	0.81	0.33	75,75,75,75	0
88	OHX	1	4083	7/7	0.82	0.18	90,90,90,90	4
87	MG	2	1969	1/1	0.82	0.15	93,93,93,93	0
87	MG	2	1936	1/1	0.82	0.35	63,63,63,63	0
88	OHX	1	4090	7/7	0.82	0.14	46,46,46,46	4

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
87	MG	1	3721	1/1	0.82	0.28	60,60,60,60	0
87	MG	1	3590	1/1	0.82	0.39	70,70,70,70	0
87	MG	5	3544	1/1	0.82	0.37	54,54,54,54	0
88	OHX	3	216	7/7	0.82	0.20	62,62,62,62	3
87	MG	1	3745	1/1	0.82	0.12	47,47,47,47	0
88	OHX	5	4069	7/7	0.82	0.14	143,143,143,143	7
88	OHX	4	230	7/7	0.82	0.17	47,47,47,47	3
87	MG	5	3591	1/1	0.82	0.28	45,45,45,45	0
87	MG	1	3597	1/1	0.82	0.20	68,68,68,68	0
87	MG	6	1933	1/1	0.82	0.21	90,90,90,90	0
87	MG	1	3401	1/1	0.82	0.35	46,46,46,46	0
88	OHX	1	3990	7/7	0.82	0.17	80,80,80,80	4
87	MG	1	3446	1/1	0.82	0.29	53,53,53,53	0
87	MG	2	1928	1/1	0.82	0.35	74,74,74,74	0
88	OHX	2	2100	7/7	0.82	0.18	70,70,70,70	5
88	OHX	1	4031	7/7	0.82	0.13	116,116,116,116	3
87	MG	5	3660	1/1	0.82	0.19	50,50,50,50	0
87	MG	6	1956	1/1	0.82	0.40	61,61,61,61	0
87	MG	5	3669	1/1	0.82	0.33	76,76,76,76	0
88	OHX	5	4142	7/7	0.82	0.20	37,37,37,37	6
87	MG	1	3664	1/1	0.82	0.15	60,60,60,60	0
87	MG	1	3486	1/1	0.82	0.24	49,49,49,49	0
88	OHX	1	4060	7/7	0.82	0.18	61,61,61,61	4
87	MG	5	3712	1/1	0.82	0.22	40,40,40,40	0
87	MG	6	1961	1/1	0.82	0.21	68,68,68,68	0
88	OHX	8	225	7/7	0.82	0.25	70,70,70,70	5
88	OHX	2	2137	7/7	0.82	0.09	148,148,148,148	6
87	MG	2	1932	1/1	0.82	0.23	78,78,78,78	0
87	MG	1	3524	1/1	0.82	0.30	62,62,62,62	0
88	OHX	2	2085	7/7	0.83	0.18	83,83,83,83	3
87	MG	1	3753	1/1	0.83	0.10	64,64,64,64	0
87	MG	6	1924	1/1	0.83	0.44	84,84,84,84	0
87	MG	1	3675	1/1	0.83	0.22	65,65,65,65	0
87	MG	3	201	1/1	0.83	0.23	71,71,71,71	0
87	MG	3	208	1/1	0.83	0.10	67,67,67,67	0
87	MG	6	1936	1/1	0.83	0.30	59,59,59,59	0
87	MG	6	2188	1/1	0.83	0.12	81,81,81,81	0
87	MG	6	1937	1/1	0.83	0.31	71,71,71,71	0
88	OHX	1	4074	7/7	0.83	0.08	156,156,156,156	7
88	OHX	1	4079	7/7	0.83	0.11	120,120,120,120	7
87	MG	5	3429	1/1	0.83	0.31	30,30,30,30	0
88	OHX	5	3993	7/7	0.83	0.20	58,58,58,58	3

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
87	MG	1	3448	1/1	0.83	0.31	54,54,54,54	0
87	MG	1	3691	1/1	0.83	0.23	65,65,65,65	0
87	MG	6	1953	1/1	0.83	0.43	51,51,51,51	0
87	MG	1	3694	1/1	0.83	0.20	81,81,81,81	0
88	OHX	1	4096	7/7	0.83	0.14	52,52,52,52	3
88	OHX	1	4099	7/7	0.83	0.18	72,72,72,72	6
87	MG	1	3416	1/1	0.83	0.28	42,42,42,42	0
88	OHX	2	2151	7/7	0.83	0.15	109,109,109,109	6
87	MG	2	1965	1/1	0.83	0.26	81,81,81,81	0
87	MG	5	3481	1/1	0.83	0.22	48,48,48,48	0
87	MG	6	1906	1/1	0.83	0.29	51,51,51,51	0
88	OHX	5	4098	7/7	0.83	0.15	74,74,74,74	6
88	OHX	1	3865	7/7	0.83	0.27	46,46,46,46	4
87	MG	1	3513	1/1	0.83	0.30	50,50,50,50	0
88	OHX	5	4104	7/7	0.83	0.17	54,54,54,54	3
88	OHX	M0	303	7/7	0.83	0.15	97,97,97,97	7
87	MG	1	3621	1/1	0.83	0.27	56,56,56,56	0
88	OHX	N8	205	7/7	0.83	0.12	105,105,105,105	7
87	MG	7	209	1/1	0.83	0.09	59,59,59,59	0
88	OHX	1	3976	7/7	0.83	0.18	83,83,83,83	4
87	MG	2	1921	1/1	0.83	0.32	69,69,69,69	0
87	MG	1	3730	1/1	0.83	0.24	72,72,72,72	0
87	MG	1	3444	1/1	0.83	0.18	44,44,44,44	0
87	MG	8	211	1/1	0.83	0.14	56,56,56,56	0
88	OHX	1	4027	7/7	0.83	0.22	50,50,50,50	4
88	OHX	6	2153	7/7	0.83	0.17	75,75,75,75	3
88	OHX	1	4028	7/7	0.83	0.17	70,70,70,70	4
87	MG	2	1992	1/1	0.83	0.21	86,86,86,86	0
88	OHX	8	229	7/7	0.83	0.13	49,49,49,49	4
88	OHX	8	230	7/7	0.83	0.17	65,65,65,65	5
87	MG	6	1978	1/1	0.83	0.18	88,88,88,88	0
88	OHX	2	2064	7/7	0.83	0.33	79,79,79,79	3
88	OHX	6	2158	7/7	0.84	0.16	70,70,70,70	1
88	OHX	2	2071	7/7	0.84	0.19	104,104,104,104	5
88	OHX	1	4015	7/7	0.84	0.20	52,52,52,52	4
87	MG	5	3412	1/1	0.84	0.28	37,37,37,37	0
88	OHX	2	2094	7/7	0.84	0.18	79,79,79,79	5
87	MG	1	3483	1/1	0.84	0.32	39,39,39,39	0
88	OHX	2	2106	7/7	0.84	0.13	108,108,108,108	5
88	OHX	2	2107	7/7	0.84	0.14	108,108,108,108	4
87	MG	5	3683	1/1	0.84	0.16	41,41,41,41	0
88	OHX	6	2178	7/7	0.84	0.13	97,97,97,97	5

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
87	MG	1	3680	1/1	0.84	0.27	66,66,66,66	0
87	MG	1	3683	1/1	0.84	0.30	46,46,46,46	0
87	MG	2	1948	1/1	0.84	0.21	66,66,66,66	0
88	OHX	1	4058	7/7	0.84	0.13	106,106,106,106	6
88	OHX	6	2184	7/7	0.84	0.11	115,115,115,115	6
87	MG	1	3492	1/1	0.84	0.32	39,39,39,39	0
88	OHX	2	2127	7/7	0.84	0.12	146,146,146,146	6
88	OHX	sR	401	7/7	0.84	0.14	125,125,125,125	5
88	OHX	5	3871	7/7	0.84	0.34	42,42,42,42	3
88	OHX	5	3923	7/7	0.84	0.22	37,37,37,37	4
88	OHX	2	2128	7/7	0.84	0.10	62,62,62,62	3
88	OHX	5	3965	7/7	0.84	0.19	61,61,61,61	3
87	MG	6	1967	1/1	0.84	0.21	64,64,64,64	0
87	MG	5	3730	1/1	0.84	0.10	44,44,44,44	0
88	OHX	1	4073	7/7	0.84	0.12	55,55,55,55	2
87	MG	1	3503	1/1	0.84	0.39	34,34,34,34	0
87	MG	1	3614	1/1	0.84	0.24	55,55,55,55	0
88	OHX	2	2144	7/7	0.84	0.15	97,97,97,97	6
87	MG	5	3738	1/1	0.84	0.23	51,51,51,51	0
87	MG	5	3485	1/1	0.84	0.38	73,73,73,73	0
88	OHX	5	4079	7/7	0.84	0.15	45,45,45,45	3
88	OHX	1	4087	7/7	0.84	0.16	45,45,45,45	4
87	MG	1	3439	1/1	0.84	0.26	55,55,55,55	0
87	MG	6	1981	1/1	0.84	0.33	85,85,85,85	0
88	OHX	2	2150	7/7	0.84	0.09	140,140,140,140	7
87	MG	5	3516	1/1	0.84	0.29	36,36,36,36	0
87	MG	1	3631	1/1	0.84	0.36	79,79,79,79	0
87	MG	1	3450	1/1	0.84	0.25	62,62,62,62	0
88	OHX	5	4102	7/7	0.84	0.20	53,53,53,53	5
87	MG	7	206	1/1	0.84	0.24	54,54,54,54	0
87	MG	6	1993	1/1	0.84	0.31	56,56,56,56	0
87	MG	6	1941	1/1	0.84	0.40	47,47,47,47	0
88	OHX	1	3924	7/7	0.84	0.17	64,64,64,64	4
88	OHX	1	3950	7/7	0.84	0.18	99,99,99,99	5
88	OHX	4	235	7/7	0.84	0.15	59,59,59,59	3
88	OHX	1	3956	7/7	0.84	0.15	65,65,65,65	3
87	MG	1	3728	1/1	0.84	0.22	75,75,75,75	0
87	MG	1	3464	1/1	0.84	0.24	39,39,39,39	0
88	OHX	5	4147	7/7	0.84	0.18	52,52,52,52	5
88	OHX	5	4152	7/7	0.84	0.19	50,50,50,50	3
88	OHX	6	2071	7/7	0.84	0.25	57,57,57,57	3
88	OHX	5	4155	7/7	0.84	0.13	58,58,58,58	4

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
88	OHX	5	4157	7/7	0.84	0.20	85,85,85,85	5
87	MG	1	3555	1/1	0.84	0.34	45,45,45,45	0
87	MG	6	2011	1/1	0.84	0.15	79,79,79,79	0
87	MG	1	3426	1/1	0.84	0.33	45,45,45,45	0
88	OHX	1	3992	7/7	0.84	0.18	82,82,82,82	5
87	MG	6	1916	1/1	0.84	0.18	71,71,71,71	0
88	OHX	1	3997	7/7	0.84	0.21	49,49,49,49	2
88	OHX	1	4004	7/7	0.84	0.20	59,59,59,59	4
88	OHX	1	4006	7/7	0.84	0.19	68,68,68,68	4
88	OHX	6	2155	7/7	0.84	0.14	108,108,108,108	5
88	OHX	6	2127	7/7	0.85	0.13	98,98,98,98	5
88	OHX	2	2101	7/7	0.85	0.15	100,100,100,100	5
87	MG	1	3473	1/1	0.85	0.28	58,58,58,58	0
88	OHX	6	2139	7/7	0.85	0.14	91,91,91,91	4
88	OHX	6	2140	7/7	0.85	0.12	119,119,119,119	7
87	MG	6	2010	1/1	0.85	0.34	66,66,66,66	0
87	MG	1	3512	1/1	0.85	0.41	37,37,37,37	0
87	MG	5	3533	1/1	0.85	0.22	54,54,54,54	0
87	MG	6	2187	1/1	0.85	0.14	93,93,93,93	0
87	MG	5	3757	1/1	0.85	0.27	59,59,59,59	0
87	MG	1	3425	1/1	0.85	0.35	48,48,48,48	0
87	MG	2	1920	1/1	0.85	0.41	61,61,61,61	0
87	MG	5	3409	1/1	0.85	0.34	41,41,41,41	0
87	MG	L2	301	1/1	0.85	0.24	43,43,43,43	0
87	MG	5	3415	1/1	0.85	0.32	55,55,55,55	0
88	OHX	2	2135	7/7	0.85	0.11	194,194,194,194	7
88	OHX	5	4121	7/7	0.85	0.10	145,145,145,145	7
87	MG	5	3790	1/1	0.85	0.24	70,70,70,70	0
88	OHX	5	4132	7/7	0.85	0.14	72,72,72,72	5
88	OHX	5	4134	7/7	0.85	0.17	50,50,50,50	6
88	OHX	6	2177	7/7	0.85	0.17	68,68,68,68	5
87	MG	6	1948	1/1	0.85	0.23	55,55,55,55	0
87	MG	6	1919	1/1	0.85	0.27	66,66,66,66	0
87	MG	5	3648	1/1	0.85	0.23	55,55,55,55	0
87	MG	1	3453	1/1	0.85	0.24	51,51,51,51	0
87	MG	6	1986	1/1	0.85	0.23	63,63,63,63	0
88	OHX	5	4150	7/7	0.85	0.24	41,41,41,41	6
88	OHX	5	4151	7/7	0.85	0.17	60,60,60,60	6
88	OHX	4	234	7/7	0.85	0.23	64,64,64,64	5
87	MG	6	1988	1/1	0.85	0.14	61,61,61,61	0
87	MG	1	3538	1/1	0.85	0.37	46,46,46,46	0
87	MG	5	3684	1/1	0.85	0.19	75,75,75,75	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
87	MG	1	3615	1/1	0.85	0.22	67,67,67,67	0
87	MG	5	3479	1/1	0.85	0.18	54,54,54,54	0
88	OHX	2	2078	7/7	0.85	0.15	77,77,77,77	5
88	OHX	6	2094	7/7	0.85	0.20	106,106,106,106	5
87	MG	1	3618	1/1	0.85	0.23	53,53,53,53	0
87	MG	2	1985	1/1	0.85	0.19	81,81,81,81	0
87	MG	1	3628	1/1	0.85	0.29	51,51,51,51	0
88	OHX	5	4025	7/7	0.85	0.13	133,133,133,133	6
88	OHX	6	2126	7/7	0.85	0.19	74,74,74,74	5
88	OHX	5	4028	7/7	0.86	0.28	39,39,39,39	3
87	MG	7	210	1/1	0.86	0.17	49,49,49,49	0
88	OHX	5	4039	7/7	0.86	0.21	55,55,55,55	3
88	OHX	5	4044	7/7	0.86	0.12	54,54,54,54	3
87	MG	5	3422	1/1	0.86	0.27	40,40,40,40	0
87	MG	2	1955	1/1	0.86	0.39	78,78,78,78	0
87	MG	7	214	1/1	0.86	0.16	66,66,66,66	0
87	MG	Q2	502	1/1	0.86	0.16	72,72,72,72	0
88	OHX	1	4062	7/7	0.86	0.19	39,39,39,39	3
87	MG	1	3565	1/1	0.86	0.23	50,50,50,50	0
88	OHX	5	4084	7/7	0.86	0.17	48,48,48,48	5
88	OHX	5	4089	7/7	0.86	0.21	67,67,67,67	5
87	MG	n8	201	1/1	0.86	0.16	34,34,34,34	0
87	MG	2	1933	1/1	0.86	0.32	84,84,84,84	0
88	OHX	6	2144	7/7	0.86	0.12	139,139,139,139	7
87	MG	q1	701	1/1	0.86	0.28	52,52,52,52	0
87	MG	1	3413	1/1	0.86	0.21	66,66,66,66	0
87	MG	1	3501	1/1	0.86	0.35	47,47,47,47	0
87	MG	6	1990	1/1	0.86	0.24	72,72,72,72	0
87	MG	2	1926	1/1	0.86	0.27	61,61,61,61	0
87	MG	S9	201	1/1	0.86	0.31	99,99,99,99	0
87	MG	2	1937	1/1	0.86	0.45	66,66,66,66	0
88	OHX	5	4116	7/7	0.86	0.16	47,47,47,47	3
88	OHX	5	4119	7/7	0.86	0.21	51,51,51,51	4
87	MG	5	3492	1/1	0.86	0.13	46,46,46,46	0
87	MG	1	3462	1/1	0.86	0.15	50,50,50,50	0
88	OHX	6	2170	7/7	0.86	0.18	76,76,76,76	6
88	OHX	1	4089	7/7	0.86	0.15	63,63,63,63	3
87	MG	4	204	1/1	0.86	0.29	48,48,48,48	0
87	MG	4	208	1/1	0.86	0.26	49,49,49,49	0
87	MG	2	1938	1/1	0.86	0.32	67,67,67,67	0
88	OHX	5	4141	7/7	0.86	0.11	74,74,74,74	3
88	OHX	2	2115	7/7	0.86	0.12	103,103,103,103	5

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
87	MG	5	3739	1/1	0.86	0.21	63,63,63,63	0
87	MG	4	218	1/1	0.86	0.13	41,41,41,41	0
88	OHX	2	2122	7/7	0.86	0.17	83,83,83,83	3
88	OHX	3	218	7/7	0.86	0.18	49,49,49,49	4
87	MG	6	1929	1/1	0.86	0.24	68,68,68,68	0
87	MG	1	3625	1/1	0.86	0.23	56,56,56,56	0
87	MG	5	3407	1/1	0.86	0.27	36,36,36,36	0
87	MG	6	1969	1/1	0.86	0.15	73,73,73,73	0
87	MG	1	3431	1/1	0.86	0.16	52,52,52,52	0
88	OHX	5	3909	7/7	0.86	0.17	54,54,54,54	3
88	OHX	1	4029	7/7	0.86	0.15	51,51,51,51	3
88	OHX	8	224	7/7	0.86	0.20	46,46,46,46	4
88	OHX	M7	204	7/7	0.86	0.21	43,43,43,43	4
87	MG	5	3610	1/1	0.86	0.20	45,45,45,45	0
87	MG	5	3611	1/1	0.86	0.29	46,46,46,46	0
87	MG	2	1905	1/1	0.86	0.31	65,65,65,65	0
87	MG	5	3421	1/1	0.86	0.28	63,63,63,63	0
88	OHX	m9	201	7/7	0.86	0.08	61,61,61,61	4
89	ZN	D7	101	1/1	0.86	0.20	152,152,152,152	0
88	OHX	1	4043	7/7	0.86	0.11	125,125,125,125	6
87	MG	2	1957	1/1	0.87	0.24	74,74,74,74	0
88	OHX	1	4046	7/7	0.87	0.10	105,105,105,105	5
88	OHX	1	4048	7/7	0.87	0.14	52,52,52,52	3
87	MG	5	3431	1/1	0.87	0.33	44,44,44,44	0
88	OHX	1	4051	7/7	0.87	0.17	59,59,59,59	4
87	MG	5	3432	1/1	0.87	0.17	46,46,46,46	0
87	MG	1	3579	1/1	0.87	0.30	38,38,38,38	0
87	MG	5	3446	1/1	0.87	0.28	43,43,43,43	0
87	MG	5	3448	1/1	0.87	0.27	34,34,34,34	0
87	MG	1	3672	1/1	0.87	0.08	68,68,68,68	0
87	MG	2	1964	1/1	0.87	0.36	69,69,69,69	0
87	MG	4	201	1/1	0.87	0.31	62,62,62,62	0
88	OHX	2	2129	7/7	0.87	0.10	118,118,118,118	6
88	OHX	1	4071	7/7	0.87	0.25	40,40,40,40	4
87	MG	4	203	1/1	0.87	0.26	52,52,52,52	0
87	MG	6	1980	1/1	0.87	0.23	83,83,83,83	0
88	OHX	5	3959	7/7	0.87	0.19	78,78,78,78	2
87	MG	6	1928	1/1	0.87	0.34	70,70,70,70	0
88	OHX	5	3963	7/7	0.87	0.19	64,64,64,64	2
87	MG	1	3505	1/1	0.87	0.32	36,36,36,36	0
88	OHX	5	3990	7/7	0.87	0.17	80,80,80,80	3
87	MG	5	3483	1/1	0.87	0.25	68,68,68,68	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
87	MG	1	3472	1/1	0.87	0.22	58,58,58,58	0
88	OHX	5	4003	7/7	0.87	0.16	41,41,41,41	2
87	MG	2	1911	1/1	0.87	0.41	65,65,65,65	0
87	MG	4	216	1/1	0.87	0.17	65,65,65,65	0
87	MG	5	3775	1/1	0.87	0.17	63,63,63,63	0
88	OHX	5	4030	7/7	0.87	0.16	48,48,48,48	1
87	MG	4	217	1/1	0.87	0.12	60,60,60,60	0
87	MG	5	3505	1/1	0.87	0.18	52,52,52,52	0
87	MG	5	3510	1/1	0.87	0.34	35,35,35,35	0
88	OHX	1	4097	7/7	0.87	0.12	74,74,74,74	5
87	MG	1	3605	1/1	0.87	0.21	55,55,55,55	0
88	OHX	S6	301	7/7	0.87	0.12	105,105,105,105	5
88	OHX	S8	301	7/7	0.87	0.12	109,109,109,109	6
88	OHX	1	4104	7/7	0.87	0.15	56,56,56,56	5
87	MG	1	3606	1/1	0.87	0.18	44,44,44,44	0
88	OHX	3	215	7/7	0.87	0.10	80,80,80,80	2
87	MG	6	1939	1/1	0.87	0.19	57,57,57,57	0
88	OHX	3	217	7/7	0.87	0.20	78,78,78,78	5
87	MG	1	3613	1/1	0.87	0.22	60,60,60,60	0
87	MG	5	3553	1/1	0.87	0.27	36,36,36,36	0
88	OHX	1	3907	7/7	0.87	0.21	69,69,69,69	3
88	OHX	1	3915	7/7	0.87	0.12	72,72,72,72	3
87	MG	5	3566	1/1	0.87	0.30	40,40,40,40	0
88	OHX	1	3947	7/7	0.87	0.18	92,92,92,92	5
88	OHX	1	3948	7/7	0.87	0.17	73,73,73,73	3
87	MG	2	2154	1/1	0.87	0.19	105,105,105,105	0
87	MG	5	3569	1/1	0.87	0.34	40,40,40,40	0
88	OHX	5	4115	7/7	0.87	0.14	92,92,92,92	2
88	OHX	1	3965	7/7	0.87	0.12	64,64,64,64	5
87	MG	1	3519	1/1	0.87	0.32	55,55,55,55	0
88	OHX	6	2080	7/7	0.87	0.24	76,76,76,76	2
87	MG	8	212	1/1	0.87	0.13	67,67,67,67	0
88	OHX	5	4128	7/7	0.87	0.09	99,99,99,99	4
88	OHX	5	4129	7/7	0.87	0.13	58,58,58,58	3
87	MG	m0	301	1/1	0.87	0.25	45,45,45,45	0
88	OHX	6	2106	7/7	0.87	0.12	80,80,80,80	3
87	MG	6	1949	1/1	0.87	0.31	80,80,80,80	0
88	OHX	1	3985	7/7	0.87	0.09	114,114,114,114	4
87	MG	5	3601	1/1	0.87	0.18	55,55,55,55	0
88	OHX	6	2125	7/7	0.87	0.15	76,76,76,76	2
87	MG	6	1951	1/1	0.87	0.43	74,74,74,74	0
87	MG	1	3408	1/1	0.87	0.29	38,38,38,38	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
88	OHX	5	4146	7/7	0.87	0.20	39,39,39,39	2
88	OHX	6	2129	7/7	0.87	0.18	58,58,58,58	3
88	OHX	5	4149	7/7	0.87	0.12	101,101,101,101	7
88	OHX	6	2133	7/7	0.87	0.11	148,148,148,148	7
87	MG	2	1987	1/1	0.87	0.10	96,96,96,96	0
88	OHX	2	2070	7/7	0.87	0.17	100,100,100,100	5
87	MG	1	3552	1/1	0.87	0.39	52,52,52,52	0
87	MG	1	3433	1/1	0.87	0.25	37,37,37,37	0
87	MG	5	3626	1/1	0.87	0.27	53,53,53,53	0
88	OHX	1	4018	7/7	0.87	0.14	42,42,42,42	1
88	OHX	1	4024	7/7	0.87	0.14	61,61,61,61	1
88	OHX	2	2089	7/7	0.87	0.15	88,88,88,88	3
88	OHX	2	2091	7/7	0.87	0.15	85,85,85,85	4
87	MG	6	1910	1/1	0.87	0.26	59,59,59,59	0
88	OHX	6	2161	7/7	0.87	0.10	133,133,133,133	7
88	OHX	6	2163	7/7	0.87	0.21	62,62,62,62	7
87	MG	1	3735	1/1	0.87	0.53	38,38,38,38	0
88	OHX	14	401	7/7	0.87	0.11	69,69,69,69	5
88	OHX	15	302	7/7	0.87	0.11	105,105,105,105	5
87	MG	1	3500	1/1	0.87	0.31	40,40,40,40	0
88	OHX	19	201	7/7	0.87	0.14	65,65,65,65	2
88	OHX	1	4038	7/7	0.87	0.08	83,83,83,83	4
87	MG	1	3564	1/1	0.87	0.25	47,47,47,47	0
87	MG	5	3668	1/1	0.87	0.24	64,64,64,64	0
88	OHX	1	4022	7/7	0.88	0.21	50,50,50,50	4
87	MG	2	1952	1/1	0.88	0.16	71,71,71,71	0
87	MG	6	1994	1/1	0.88	0.14	57,57,57,57	1
87	MG	5	3500	1/1	0.88	0.25	41,41,41,41	0
87	MG	1	3467	1/1	0.88	0.18	54,54,54,54	0
88	OHX	5	4037	7/7	0.88	0.18	62,62,62,62	6
87	MG	5	3746	1/1	0.88	0.22	59,59,59,59	0
88	OHX	5	4041	7/7	0.88	0.19	47,47,47,47	3
88	OHX	6	2100	7/7	0.88	0.17	65,65,65,65	4
87	MG	1	3682	1/1	0.88	0.17	50,50,50,50	0
88	OHX	5	4047	7/7	0.88	0.15	52,52,52,52	3
88	OHX	5	4052	7/7	0.88	0.12	58,58,58,58	5
87	MG	1	3414	1/1	0.88	0.23	45,45,45,45	0
88	OHX	6	2111	7/7	0.88	0.14	94,94,94,94	7
88	OHX	6	2112	7/7	0.88	0.19	69,69,69,69	3
88	OHX	6	2113	7/7	0.88	0.14	66,66,66,66	2
87	MG	5	3520	1/1	0.88	0.39	39,39,39,39	0
87	MG	5	3524	1/1	0.88	0.26	35,35,35,35	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
88	OHX	5	4088	7/7	0.88	0.24	41,41,41,41	6
87	MG	1	3404	1/1	0.88	0.20	60,60,60,60	0
87	MG	1	3599	1/1	0.88	0.17	61,61,61,61	0
87	MG	1	3704	1/1	0.88	0.21	53,53,53,53	0
87	MG	5	3549	1/1	0.88	0.33	56,56,56,56	0
87	MG	1	3480	1/1	0.88	0.18	55,55,55,55	0
88	OHX	5	4097	7/7	0.88	0.12	132,132,132,132	5
87	MG	O7	103	1/1	0.88	0.15	55,55,55,55	1
87	MG	6	1952	1/1	0.88	0.28	58,58,58,58	0
88	OHX	5	4100	7/7	0.88	0.21	50,50,50,50	4
88	OHX	5	4101	7/7	0.88	0.16	54,54,54,54	5
87	MG	d6	102	1/1	0.88	0.18	65,65,65,65	0
88	OHX	1	4059	7/7	0.88	0.16	65,65,65,65	4
87	MG	5	3586	1/1	0.88	0.29	31,31,31,31	0
87	MG	2	1953	1/1	0.88	0.30	65,65,65,65	0
88	OHX	5	4112	7/7	0.88	0.14	57,57,57,57	3
88	OHX	5	4114	7/7	0.88	0.20	47,47,47,47	4
87	MG	5	3594	1/1	0.88	0.35	36,36,36,36	0
88	OHX	1	4065	7/7	0.88	0.12	98,98,98,98	7
87	MG	1	3422	1/1	0.88	0.30	58,58,58,58	0
88	OHX	5	4120	7/7	0.88	0.28	38,38,38,38	3
87	MG	1	3609	1/1	0.88	0.12	44,44,44,44	0
88	OHX	5	4122	7/7	0.88	0.15	55,55,55,55	4
88	OHX	D9	103	7/7	0.88	0.16	89,89,89,89	5
88	OHX	5	4125	7/7	0.88	0.13	51,51,51,51	3
87	MG	6	1907	1/1	0.88	0.24	76,76,76,76	0
87	MG	1	3525	1/1	0.88	0.23	35,35,35,35	0
88	OHX	5	4130	7/7	0.88	0.18	54,54,54,54	5
88	OHX	1	3899	7/7	0.88	0.28	50,50,50,50	5
88	OHX	1	3906	7/7	0.88	0.16	59,59,59,59	2
87	MG	1	3528	1/1	0.88	0.30	40,40,40,40	0
88	OHX	1	3912	7/7	0.88	0.12	112,112,112,112	4
87	MG	1	3537	1/1	0.88	0.32	36,36,36,36	0
87	MG	1	3484	1/1	0.88	0.25	81,81,81,81	0
88	OHX	2	2051	7/7	0.88	0.09	136,136,136,136	4
88	OHX	6	2176	7/7	0.88	0.18	63,63,63,63	4
87	MG	5	3625	1/1	0.88	0.22	52,52,52,52	0
87	MG	1	3544	1/1	0.88	0.14	58,58,58,58	0
88	OHX	1	4095	7/7	0.88	0.14	45,45,45,45	3
87	MG	5	3633	1/1	0.88	0.13	43,43,43,43	0
87	MG	1	3423	1/1	0.88	0.21	49,49,49,49	0
87	MG	1	3488	1/1	0.88	0.33	46,46,46,46	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
87	MG	1	3559	1/1	0.88	0.28	33,33,33,33	0
87	MG	5	3458	1/1	0.88	0.23	39,39,39,39	0
87	MG	6	1920	1/1	0.88	0.27	53,53,53,53	0
87	MG	1	3638	1/1	0.88	0.25	69,69,69,69	0
88	OHX	5	3795	7/7	0.88	0.25	38,38,38,38	1
88	OHX	1	3989	7/7	0.88	0.12	78,78,78,78	3
88	OHX	7	227	7/7	0.88	0.10	59,59,59,59	3
88	OHX	8	223	7/7	0.88	0.12	95,95,95,95	3
87	MG	5	3673	1/1	0.88	0.15	48,48,48,48	1
87	MG	3	206	1/1	0.88	0.20	66,66,66,66	0
87	MG	S4	301	1/1	0.88	0.16	88,88,88,88	0
87	MG	2	1906	1/1	0.88	0.19	67,67,67,67	0
88	OHX	1	4002	7/7	0.88	0.18	55,55,55,55	2
87	MG	4	202	1/1	0.88	0.24	53,53,53,53	0
87	MG	2	1930	1/1	0.88	0.29	76,76,76,76	0
87	MG	1	3566	1/1	0.88	0.37	53,53,53,53	0
87	MG	1	3573	1/1	0.88	0.33	53,53,53,53	0
88	OHX	5	3994	7/7	0.88	0.21	45,45,45,45	3
87	MG	6	1992	1/1	0.88	0.19	84,84,84,84	0
88	OHX	5	4015	7/7	0.88	0.15	66,66,66,66	4
88	OHX	1	4102	7/7	0.89	0.12	58,58,58,58	2
87	MG	1	3617	1/1	0.89	0.13	44,44,44,44	0
88	OHX	1	3969	7/7	0.89	0.17	64,64,64,64	4
87	MG	5	3676	1/1	0.89	0.06	62,62,62,62	0
88	OHX	5	3998	7/7	0.89	0.17	101,101,101,101	4
87	MG	1	3430	1/1	0.89	0.19	50,50,50,50	0
87	MG	1	3754	1/1	0.89	0.15	39,39,39,39	0
88	OHX	2	2092	7/7	0.89	0.10	113,113,113,113	5
88	OHX	5	4022	7/7	0.89	0.11	96,96,96,96	6
87	MG	5	3501	1/1	0.89	0.24	33,33,33,33	0
88	OHX	2	2095	7/7	0.89	0.18	70,70,70,70	5
88	OHX	1	3991	7/7	0.89	0.11	88,88,88,88	5
87	MG	M8	201	1/1	0.89	0.12	51,51,51,51	0
87	MG	6	1925	1/1	0.89	0.37	52,52,52,52	0
87	MG	5	3405	1/1	0.89	0.29	34,34,34,34	0
87	MG	5	3406	1/1	0.89	0.17	47,47,47,47	0
87	MG	O3	202	1/1	0.89	0.11	40,40,40,40	0
87	MG	5	3525	1/1	0.89	0.30	46,46,46,46	0
88	OHX	O7	105	7/7	0.89	0.23	76,76,76,76	4
88	OHX	1	4008	7/7	0.89	0.17	53,53,53,53	6
88	OHX	5	4054	7/7	0.89	0.15	46,46,46,46	2
87	MG	O4	201	1/1	0.89	0.17	73,73,73,73	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
88	OHX	6	2088	7/7	0.89	0.13	107,107,107,107	3
87	MG	5	3532	1/1	0.89	0.26	37,37,37,37	0
88	OHX	5	4074	7/7	0.89	0.15	53,53,53,53	4
88	OHX	5	4075	7/7	0.89	0.12	49,49,49,49	3
88	OHX	2	2120	7/7	0.89	0.12	123,123,123,123	5
88	OHX	1	4019	7/7	0.89	0.12	65,65,65,65	2
88	OHX	1	4020	7/7	0.89	0.19	46,46,46,46	4
88	OHX	2	2121	7/7	0.89	0.17	60,60,60,60	5
87	MG	1	3506	1/1	0.89	0.17	51,51,51,51	0
87	MG	5	3540	1/1	0.89	0.32	36,36,36,36	0
88	OHX	2	2124	7/7	0.89	0.19	88,88,88,88	7
87	MG	1	3508	1/1	0.89	0.23	37,37,37,37	0
88	OHX	5	4094	7/7	0.89	0.18	64,64,64,64	5
87	MG	1	3545	1/1	0.89	0.26	42,42,42,42	0
88	OHX	6	2120	7/7	0.89	0.16	84,84,84,84	5
88	OHX	6	2123	7/7	0.89	0.09	70,70,70,70	4
87	MG	6	1935	1/1	0.89	0.33	50,50,50,50	0
88	OHX	1	4033	7/7	0.89	0.18	52,52,52,52	5
87	MG	5	3426	1/1	0.89	0.20	65,65,65,65	0
88	OHX	1	4039	7/7	0.89	0.12	76,76,76,76	5
87	MG	6	1901	1/1	0.89	0.37	55,55,55,55	0
87	MG	3	207	1/1	0.89	0.24	68,68,68,68	0
87	MG	6	1983	1/1	0.89	0.19	60,60,60,60	0
87	MG	5	3590	1/1	0.89	0.27	37,37,37,37	0
88	OHX	1	4047	7/7	0.89	0.21	48,48,48,48	3
87	MG	5	3433	1/1	0.89	0.20	60,60,60,60	0
88	OHX	6	2150	7/7	0.89	0.17	66,66,66,66	1
88	OHX	5	4117	7/7	0.89	0.23	36,36,36,36	2
87	MG	5	4166	1/1	0.89	0.37	68,68,68,68	0
87	MG	7	205	1/1	0.89	0.31	34,34,34,34	0
87	MG	2	1978	1/1	0.89	0.28	58,58,58,58	0
88	OHX	6	2156	7/7	0.89	0.17	62,62,62,62	4
87	MG	2	1943	1/1	0.89	0.23	78,78,78,78	0
88	OHX	6	2159	7/7	0.89	0.08	135,135,135,135	6
88	OHX	1	4057	7/7	0.89	0.15	77,77,77,77	3
87	MG	1	3468	1/1	0.89	0.21	48,48,48,48	0
88	OHX	6	2162	7/7	0.89	0.16	87,87,87,87	4
88	OHX	5	4131	7/7	0.89	0.12	59,59,59,59	2
87	MG	1	3447	1/1	0.89	0.18	41,41,41,41	0
87	MG	6	1944	1/1	0.89	0.34	70,70,70,70	0
88	OHX	1	4061	7/7	0.89	0.16	53,53,53,53	3
87	MG	6	1947	1/1	0.89	0.27	58,58,58,58	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
88	OHX	1	4063	7/7	0.89	0.16	55,55,55,55	4
87	MG	8	207	1/1	0.89	0.11	50,50,50,50	0
87	MG	1	3663	1/1	0.89	0.44	52,52,52,52	0
88	OHX	6	2172	7/7	0.89	0.27	73,73,73,73	6
88	OHX	S9	202	7/7	0.89	0.19	87,87,87,87	5
87	MG	5	3475	1/1	0.89	0.23	34,34,34,34	0
87	MG	5	3476	1/1	0.89	0.11	46,46,46,46	0
87	MG	2	2153	1/1	0.89	0.23	77,77,77,77	0
88	OHX	1	3846	7/7	0.89	0.20	43,43,43,43	3
87	MG	m6	202	1/1	0.89	0.25	52,52,52,52	0
87	MG	5	3627	1/1	0.89	0.09	48,48,48,48	0
87	MG	n8	203	1/1	0.89	0.14	45,45,45,45	0
88	OHX	1	4081	7/7	0.89	0.13	61,61,61,61	5
88	OHX	6	2183	7/7	0.89	0.12	101,101,101,101	6
88	OHX	1	3900	7/7	0.89	0.13	51,51,51,51	3
88	OHX	7	223	7/7	0.89	0.14	65,65,65,65	1
87	MG	1	3665	1/1	0.89	0.22	63,63,63,63	0
88	OHX	s4	301	7/7	0.89	0.12	82,82,82,82	2
88	OHX	s8	302	7/7	0.89	0.09	108,108,108,108	5
87	MG	6	2000	1/1	0.89	0.25	47,47,47,47	0
88	OHX	2	2039	7/7	0.89	0.11	133,133,133,133	5
87	MG	1	3436	1/1	0.89	0.22	40,40,40,40	0
87	MG	1	3437	1/1	0.89	0.25	51,51,51,51	0
88	OHX	2	2060	7/7	0.89	0.13	73,73,73,73	1
88	OHX	5	3918	7/7	0.89	0.26	46,46,46,46	3
88	OHX	14	402	7/7	0.89	0.10	52,52,52,52	5
88	OHX	2	2062	7/7	0.89	0.19	93,93,93,93	4
87	MG	6	1918	1/1	0.89	0.36	48,48,48,48	0
88	OHX	1	3953	7/7	0.89	0.10	131,131,131,131	7
88	OHX	m0	304	7/7	0.89	0.18	44,44,44,44	5
87	MG	1	3530	1/1	0.89	0.26	63,63,63,63	0
87	MG	5	3495	1/1	0.89	0.17	34,34,34,34	0
88	OHX	5	3988	7/7	0.89	0.12	54,54,54,54	2
87	MG	5	3779	1/1	0.90	0.08	51,51,51,51	0
87	MG	1	3705	1/1	0.90	0.11	48,48,48,48	0
88	OHX	1	4092	7/7	0.90	0.11	49,49,49,49	4
88	OHX	5	3967	7/7	0.90	0.19	45,45,45,45	2
88	OHX	5	3979	7/7	0.90	0.16	84,84,84,84	3
88	OHX	5	3983	7/7	0.90	0.21	42,42,42,42	3
87	MG	M7	202	1/1	0.90	0.30	41,41,41,41	0
87	MG	5	3537	1/1	0.90	0.29	42,42,42,42	0
87	MG	5	3789	1/1	0.90	0.09	59,59,59,59	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
87	MG	M7	203	1/1	0.90	0.20	44,44,44,44	0
87	MG	5	3792	1/1	0.90	0.11	44,44,44,44	1
87	MG	1	3419	1/1	0.90	0.20	47,47,47,47	0
88	OHX	5	3999	7/7	0.90	0.21	53,53,53,53	1
87	MG	O3	201	1/1	0.90	0.18	44,44,44,44	1
88	OHX	5	4005	7/7	0.90	0.14	78,78,78,78	6
88	OHX	5	4011	7/7	0.90	0.14	56,56,56,56	1
87	MG	1	3463	1/1	0.90	0.09	51,51,51,51	0
87	MG	5	3561	1/1	0.90	0.29	35,35,35,35	0
87	MG	1	3518	1/1	0.90	0.38	41,41,41,41	0
87	MG	1	3487	1/1	0.90	0.23	35,35,35,35	0
87	MG	1	3720	1/1	0.90	0.20	48,48,48,48	0
87	MG	5	3571	1/1	0.90	0.40	39,39,39,39	0
87	MG	6	1957	1/1	0.90	0.34	65,65,65,65	0
88	OHX	5	4035	7/7	0.90	0.23	42,42,42,42	4
87	MG	1	3619	1/1	0.90	0.12	49,49,49,49	0
87	MG	5	3425	1/1	0.90	0.30	37,37,37,37	0
87	MG	1	3724	1/1	0.90	0.19	86,86,86,86	0
87	MG	6	1903	1/1	0.90	0.26	53,53,53,53	0
88	OHX	L5	301	7/7	0.90	0.13	81,81,81,81	7
87	MG	1	3726	1/1	0.90	0.28	60,60,60,60	0
87	MG	5	3602	1/1	0.90	0.22	35,35,35,35	0
88	OHX	M8	202	7/7	0.90	0.11	49,49,49,49	2
87	MG	1	3522	1/1	0.90	0.15	48,48,48,48	0
88	OHX	5	4064	7/7	0.90	0.22	38,38,38,38	3
88	OHX	5	4065	7/7	0.90	0.07	82,82,82,82	3
88	OHX	5	4066	7/7	0.90	0.16	53,53,53,53	3
88	OHX	5	4068	7/7	0.90	0.31	38,38,38,38	4
87	MG	n9	102	1/1	0.90	0.14	41,41,41,41	0
87	MG	1	3729	1/1	0.90	0.21	55,55,55,55	0
88	OHX	1	3978	7/7	0.90	0.11	74,74,74,74	5
88	OHX	6	2073	7/7	0.90	0.19	68,68,68,68	5
88	OHX	1	3982	7/7	0.90	0.13	50,50,50,50	2
88	OHX	5	4081	7/7	0.90	0.17	72,72,72,72	4
87	MG	1	3427	1/1	0.90	0.30	53,53,53,53	0
88	OHX	5	4083	7/7	0.90	0.15	74,74,74,74	5
88	OHX	2	2014	7/7	0.90	0.19	75,75,75,75	4
88	OHX	5	4086	7/7	0.90	0.11	45,45,45,45	4
87	MG	5	3614	1/1	0.90	0.32	44,44,44,44	0
88	OHX	6	2099	7/7	0.90	0.15	64,64,64,64	5
88	OHX	2	2046	7/7	0.90	0.16	98,98,98,98	5
88	OHX	6	2102	7/7	0.90	0.15	69,69,69,69	3

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
87	MG	5	3617	1/1	0.90	0.09	35,35,35,35	0
87	MG	1	3571	1/1	0.90	0.42	48,48,48,48	0
87	MG	1	3629	1/1	0.90	0.26	52,52,52,52	0
87	MG	1	3466	1/1	0.90	0.18	42,42,42,42	0
87	MG	1	3750	1/1	0.90	0.08	55,55,55,55	0
88	OHX	2	2065	7/7	0.90	0.12	117,117,117,117	3
88	OHX	1	4005	7/7	0.90	0.15	60,60,60,60	5
87	MG	1	3752	1/1	0.90	0.15	51,51,51,51	0
88	OHX	6	2121	7/7	0.90	0.14	89,89,89,89	5
87	MG	D9	102	1/1	0.90	0.18	90,90,90,90	0
87	MG	5	3637	1/1	0.90	0.31	57,57,57,57	0
88	OHX	1	4013	7/7	0.90	0.10	60,60,60,60	3
88	OHX	2	2083	7/7	0.90	0.11	100,100,100,100	6
87	MG	5	3474	1/1	0.90	0.29	39,39,39,39	0
88	OHX	6	2130	7/7	0.90	0.13	61,61,61,61	3
87	MG	5	3642	1/1	0.90	0.26	54,54,54,54	0
87	MG	1	3641	1/1	0.90	0.26	58,58,58,58	0
87	MG	1	4109	1/1	0.90	0.17	56,56,56,56	0
87	MG	2	1980	1/1	0.90	0.21	89,89,89,89	0
87	MG	1	3586	1/1	0.90	0.20	51,51,51,51	0
88	OHX	2	2097	7/7	0.90	0.16	88,88,88,88	4
87	MG	1	3587	1/1	0.90	0.14	63,63,63,63	0
87	MG	1	3589	1/1	0.90	0.20	53,53,53,53	0
88	OHX	5	4127	7/7	0.90	0.17	45,45,45,45	5
87	MG	5	3675	1/1	0.90	0.13	42,42,42,42	0
87	MG	1	3535	1/1	0.90	0.40	44,44,44,44	0
87	MG	1	3670	1/1	0.90	0.09	44,44,44,44	0
88	OHX	2	2114	7/7	0.90	0.15	99,99,99,99	4
87	MG	5	3490	1/1	0.90	0.13	51,51,51,51	0
88	OHX	5	4133	7/7	0.90	0.32	38,38,38,38	4
88	OHX	2	2116	7/7	0.90	0.10	146,146,146,146	7
87	MG	5	3686	1/1	0.90	0.11	40,40,40,40	0
87	MG	5	3688	1/1	0.90	0.26	66,66,66,66	0
87	MG	5	3491	1/1	0.90	0.26	46,46,46,46	0
88	OHX	5	4139	7/7	0.90	0.11	58,58,58,58	5
87	MG	5	3699	1/1	0.90	0.23	35,35,35,35	0
88	OHX	1	4049	7/7	0.90	0.13	99,99,99,99	3
87	MG	1	3596	1/1	0.90	0.27	64,64,64,64	0
88	OHX	5	4145	7/7	0.90	0.14	47,47,47,47	4
88	OHX	6	2168	7/7	0.90	0.12	72,72,72,72	3
87	MG	1	3536	1/1	0.90	0.28	43,43,43,43	0
87	MG	5	3716	1/1	0.90	0.18	40,40,40,40	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
88	OHX	2	2125	7/7	0.90	0.09	113,113,113,113	4
87	MG	5	3717	1/1	0.90	0.22	44,44,44,44	0
87	MG	6	1995	1/1	0.90	0.25	67,67,67,67	0
87	MG	2	1982	1/1	0.90	0.11	75,75,75,75	0
87	MG	6	1998	1/1	0.90	0.16	55,55,55,55	0
87	MG	1	3454	1/1	0.90	0.27	43,43,43,43	0
88	OHX	2	2131	7/7	0.90	0.20	86,86,86,86	6
87	MG	5	3504	1/1	0.90	0.36	36,36,36,36	0
88	OHX	2	2134	7/7	0.90	0.13	85,85,85,85	4
87	MG	6	2004	1/1	0.90	0.15	90,90,90,90	0
87	MG	1	3681	1/1	0.90	0.20	54,54,54,54	0
88	OHX	8	214	7/7	0.90	0.22	80,80,80,80	4
87	MG	5	3745	1/1	0.90	0.12	39,39,39,39	0
88	OHX	2	2140	7/7	0.90	0.21	65,65,65,65	4
88	OHX	2	2141	7/7	0.90	0.10	78,78,78,78	5
87	MG	5	3514	1/1	0.90	0.38	36,36,36,36	0
87	MG	1	3539	1/1	0.90	0.19	45,45,45,45	0
87	MG	5	3751	1/1	0.90	0.08	51,51,51,51	0
88	OHX	8	231	7/7	0.90	0.14	62,62,62,62	3
88	OHX	8	232	7/7	0.90	0.14	48,48,48,48	3
87	MG	5	3755	1/1	0.90	0.18	64,64,64,64	0
87	MG	1	3456	1/1	0.90	0.28	33,33,33,33	0
87	MG	1	3459	1/1	0.90	0.15	52,52,52,52	0
88	OHX	1	4085	7/7	0.90	0.11	42,42,42,42	3
87	MG	1	3610	1/1	0.90	0.14	39,39,39,39	1
87	MG	1	3461	1/1	0.90	0.21	46,46,46,46	0
88	OHX	m7	204	7/7	0.90	0.10	50,50,50,50	4
88	OHX	5	3933	7/7	0.90	0.15	64,64,64,64	3
88	OHX	5	3939	7/7	0.90	0.26	46,46,46,46	3
87	MG	5	3778	1/1	0.90	0.13	64,64,64,64	0
87	MG	6	2005	1/1	0.91	0.34	72,72,72,72	0
87	MG	5	3643	1/1	0.91	0.13	60,60,60,60	0
87	MG	5	3644	1/1	0.91	0.19	43,43,43,43	0
88	OHX	1	3962	7/7	0.91	0.15	42,42,42,42	3
87	MG	1	3751	1/1	0.91	0.19	61,61,61,61	0
87	MG	2	1946	1/1	0.91	0.37	66,66,66,66	0
88	OHX	L4	401	7/7	0.91	0.09	61,61,61,61	6
87	MG	6	1950	1/1	0.91	0.20	76,76,76,76	0
88	OHX	2	2053	7/7	0.91	0.10	120,120,120,120	5
87	MG	5	3664	1/1	0.91	0.08	44,44,44,44	0
87	MG	5	3665	1/1	0.91	0.14	39,39,39,39	1
88	OHX	1	3981	7/7	0.91	0.14	49,49,49,49	3

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
87	MG	1	3581	1/1	0.91	0.22	42,42,42,42	0
87	MG	2	1935	1/1	0.91	0.37	67,67,67,67	0
87	MG	6	2012	1/1	0.91	0.22	72,72,72,72	0
88	OHX	6	2072	7/7	0.91	0.20	70,70,70,70	3
87	MG	6	2186	1/1	0.91	0.24	67,67,67,67	0
88	OHX	2	2074	7/7	0.91	0.10	179,179,179,179	7
87	MG	1	3465	1/1	0.91	0.25	30,30,30,30	0
88	OHX	2	2081	7/7	0.91	0.12	78,78,78,78	6
87	MG	5	3678	1/1	0.91	0.09	52,52,52,52	0
88	OHX	5	4057	7/7	0.91	0.17	73,73,73,73	6
88	OHX	6	2097	7/7	0.91	0.10	97,97,97,97	3
88	OHX	5	4062	7/7	0.91	0.15	50,50,50,50	5
88	OHX	5	4063	7/7	0.91	0.14	54,54,54,54	2
87	MG	1	3689	1/1	0.91	0.19	55,55,55,55	0
88	OHX	2	2087	7/7	0.91	0.14	100,100,100,100	6
87	MG	1	3520	1/1	0.91	0.29	53,53,53,53	0
87	MG	3	204	1/1	0.91	0.29	37,37,37,37	0
87	MG	5	3687	1/1	0.91	0.20	47,47,47,47	0
88	OHX	6	2110	7/7	0.91	0.15	65,65,65,65	3
88	OHX	5	4071	7/7	0.91	0.18	42,42,42,42	4
87	MG	5	3515	1/1	0.91	0.20	42,42,42,42	0
87	MG	1	3502	1/1	0.91	0.26	38,38,38,38	0
88	OHX	2	2096	7/7	0.91	0.15	100,100,100,100	4
87	MG	5	3517	1/1	0.91	0.19	42,42,42,42	0
88	OHX	2	2098	7/7	0.91	0.17	70,70,70,70	3
88	OHX	6	2119	7/7	0.91	0.10	62,62,62,62	2
87	MG	6	1960	1/1	0.91	0.20	52,52,52,52	0
87	MG	5	3521	1/1	0.91	0.29	45,45,45,45	0
87	MG	1	3695	1/1	0.91	0.29	59,59,59,59	0
88	OHX	6	2124	7/7	0.91	0.15	81,81,81,81	4
87	MG	2	1990	1/1	0.91	0.12	74,74,74,74	0
87	MG	1	3592	1/1	0.91	0.23	47,47,47,47	0
88	OHX	5	4092	7/7	0.91	0.20	64,64,64,64	5
87	MG	1	3594	1/1	0.91	0.25	50,50,50,50	0
87	MG	5	3416	1/1	0.91	0.10	49,49,49,49	0
87	MG	5	3732	1/1	0.91	0.15	49,49,49,49	0
87	MG	2	1986	1/1	0.91	0.10	99,99,99,99	0
88	OHX	2	2118	7/7	0.91	0.15	82,82,82,82	5
88	OHX	6	2135	7/7	0.91	0.13	88,88,88,88	5
88	OHX	6	2136	7/7	0.91	0.09	165,165,165,165	7
88	OHX	1	4037	7/7	0.91	0.14	60,60,60,60	6
87	MG	5	3538	1/1	0.91	0.29	45,45,45,45	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
87	MG	1	3714	1/1	0.91	0.14	46,46,46,46	0
88	OHX	6	2141	7/7	0.91	0.09	87,87,87,87	5
88	OHX	5	4105	7/7	0.91	0.21	44,44,44,44	5
88	OHX	5	4110	7/7	0.91	0.15	54,54,54,54	5
87	MG	5	3541	1/1	0.91	0.31	38,38,38,38	0
87	MG	4	207	1/1	0.91	0.11	37,37,37,37	0
88	OHX	5	4113	7/7	0.91	0.16	53,53,53,53	3
87	MG	5	3548	1/1	0.91	0.32	45,45,45,45	0
87	MG	1	3527	1/1	0.91	0.23	40,40,40,40	0
87	MG	5	3552	1/1	0.91	0.29	46,46,46,46	0
87	MG	1	3642	1/1	0.91	0.26	37,37,37,37	0
87	MG	1	3651	1/1	0.91	0.22	58,58,58,58	0
87	MG	1	3485	1/1	0.91	0.31	32,32,32,32	0
87	MG	6	1926	1/1	0.91	0.25	57,57,57,57	0
87	MG	5	3768	1/1	0.91	0.14	62,62,62,62	0
88	OHX	1	4055	7/7	0.91	0.20	71,71,71,71	5
87	MG	5	3773	1/1	0.91	0.13	40,40,40,40	0
87	MG	1	3424	1/1	0.91	0.07	61,61,61,61	0
87	MG	5	3443	1/1	0.91	0.22	46,46,46,46	0
87	MG	5	3575	1/1	0.91	0.37	42,42,42,42	0
87	MG	5	3579	1/1	0.91	0.23	32,32,32,32	0
87	MG	5	3582	1/1	0.91	0.34	34,34,34,34	0
87	MG	6	1984	1/1	0.91	0.08	72,72,72,72	0
87	MG	5	3787	1/1	0.91	0.16	42,42,42,42	0
88	OHX	2	2142	7/7	0.91	0.18	101,101,101,101	6
88	OHX	5	4135	7/7	0.91	0.12	68,68,68,68	3
87	MG	5	3589	1/1	0.91	0.37	33,33,33,33	0
87	MG	1	3533	1/1	0.91	0.24	50,50,50,50	0
88	OHX	1	4068	7/7	0.91	0.19	50,50,50,50	6
88	OHX	1	4069	7/7	0.91	0.18	51,51,51,51	3
87	MG	5	3455	1/1	0.91	0.13	45,45,45,45	0
87	MG	L7	302	1/1	0.91	0.17	47,47,47,47	0
87	MG	5	3461	1/1	0.91	0.25	48,48,48,48	0
87	MG	L7	303	1/1	0.91	0.07	51,51,51,51	0
87	MG	1	3534	1/1	0.91	0.31	40,40,40,40	0
88	OHX	1	4076	7/7	0.91	0.29	48,48,48,48	3
88	OHX	1	4077	7/7	0.91	0.14	56,56,56,56	5
87	MG	1	3568	1/1	0.91	0.33	40,40,40,40	0
87	MG	1	3668	1/1	0.91	0.14	51,51,51,51	0
87	MG	1	3469	1/1	0.91	0.17	63,63,63,63	0
87	MG	1	3739	1/1	0.91	0.21	45,45,45,45	0
88	OHX	5	4154	7/7	0.91	0.14	42,42,42,42	3

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
88	OHX	c5	800	7/7	0.91	0.10	117,117,117,117	5
88	OHX	5	4156	7/7	0.91	0.11	78,78,78,78	7
87	MG	8	203	1/1	0.91	0.18	52,52,52,52	0
87	MG	8	205	1/1	0.91	0.15	45,45,45,45	0
87	MG	1	3612	1/1	0.91	0.15	58,58,58,58	0
88	OHX	5	3904	7/7	0.91	0.24	67,67,67,67	3
87	MG	1	3744	1/1	0.91	0.29	34,34,34,34	0
87	MG	1	3452	1/1	0.91	0.19	36,36,36,36	0
88	OHX	5	3920	7/7	0.91	0.15	48,48,48,48	2
87	MG	5	3480	1/1	0.91	0.24	44,44,44,44	0
88	OHX	5	3932	7/7	0.91	0.19	88,88,88,88	3
88	OHX	1	3881	7/7	0.91	0.17	60,60,60,60	1
88	OHX	1	4094	7/7	0.91	0.11	60,60,60,60	3
87	MG	l2	301	1/1	0.91	0.22	40,40,40,40	0
87	MG	l7	301	1/1	0.91	0.15	46,46,46,46	0
87	MG	6	1999	1/1	0.91	0.26	57,57,57,57	0
87	MG	1	3747	1/1	0.91	0.23	55,55,55,55	0
88	OHX	1	3908	7/7	0.91	0.17	80,80,80,80	2
87	MG	m7	201	1/1	0.91	0.28	40,40,40,40	0
88	OHX	5	3981	7/7	0.91	0.11	60,60,60,60	5
87	MG	5	3632	1/1	0.91	0.18	51,51,51,51	0
88	OHX	1	3923	7/7	0.91	0.20	36,36,36,36	2
87	MG	1	3575	1/1	0.91	0.26	35,35,35,35	0
88	OHX	1	3926	7/7	0.91	0.15	50,50,50,50	3
87	MG	5	3487	1/1	0.91	0.19	52,52,52,52	0
87	MG	5	3488	1/1	0.91	0.33	34,34,34,34	0
88	OHX	5	3996	7/7	0.91	0.12	116,116,116,116	3
88	OHX	1	4082	7/7	0.92	0.15	44,44,44,44	4
87	MG	5	4160	1/1	0.92	0.17	39,39,39,39	0
87	MG	1	3438	1/1	0.92	0.22	36,36,36,36	0
87	MG	5	3618	1/1	0.92	0.16	56,56,56,56	0
88	OHX	5	3966	7/7	0.92	0.14	55,55,55,55	4
87	MG	5	3619	1/1	0.92	0.18	53,53,53,53	0
87	MG	7	208	1/1	0.92	0.30	55,55,55,55	0
88	OHX	5	3980	7/7	0.92	0.15	54,54,54,54	3
87	MG	5	3620	1/1	0.92	0.21	44,44,44,44	0
87	MG	6	1905	1/1	0.92	0.34	67,67,67,67	0
87	MG	5	3494	1/1	0.92	0.19	35,35,35,35	0
87	MG	5	3624	1/1	0.92	0.28	41,41,41,41	0
87	MG	1	3432	1/1	0.92	0.13	51,51,51,51	0
88	OHX	SR	401	7/7	0.92	0.10	133,133,133,133	5
88	OHX	1	3838	7/7	0.92	0.16	78,78,78,78	3

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
87	MG	8	202	1/1	0.92	0.23	44,44,44,44	0
88	OHX	1	3853	7/7	0.92	0.16	70,70,70,70	1
87	MG	3	205	1/1	0.92	0.36	60,60,60,60	0
87	MG	8	204	1/1	0.92	0.18	52,52,52,52	0
88	OHX	1	4103	7/7	0.92	0.17	46,46,46,46	4
88	OHX	1	3870	7/7	0.92	0.17	43,43,43,43	3
88	OHX	1	3873	7/7	0.92	0.21	50,50,50,50	2
88	OHX	5	4016	7/7	0.92	0.15	78,78,78,78	3
88	OHX	5	4018	7/7	0.92	0.09	87,87,87,87	4
88	OHX	3	211	7/7	0.92	0.20	55,55,55,55	2
87	MG	d2	201	1/1	0.92	0.25	71,71,71,71	0
87	MG	1	3716	1/1	0.92	0.17	44,44,44,44	0
87	MG	sM	301	1/1	0.92	0.17	50,50,50,50	0
87	MG	5	3636	1/1	0.92	0.08	54,54,54,54	0
88	OHX	5	4031	7/7	0.92	0.21	60,60,60,60	5
87	MG	5	3503	1/1	0.92	0.11	47,47,47,47	0
88	OHX	4	228	7/7	0.92	0.12	96,96,96,96	3
88	OHX	5	4036	7/7	0.92	0.11	47,47,47,47	3
87	MG	5	3403	1/1	0.92	0.23	41,41,41,41	0
87	MG	l5	301	1/1	0.92	0.06	56,56,56,56	0
88	OHX	1	3914	7/7	0.92	0.16	70,70,70,70	4
88	OHX	5	4042	7/7	0.92	0.13	47,47,47,47	3
87	MG	5	3641	1/1	0.92	0.17	39,39,39,39	0
87	MG	1	3591	1/1	0.92	0.17	52,52,52,52	0
87	MG	1	3498	1/1	0.92	0.29	32,32,32,32	0
87	MG	1	3620	1/1	0.92	0.20	39,39,39,39	0
88	OHX	1	3932	7/7	0.92	0.10	87,87,87,87	2
88	OHX	5	4055	7/7	0.92	0.11	44,44,44,44	3
87	MG	1	3673	1/1	0.92	0.13	61,61,61,61	0
88	OHX	5	4060	7/7	0.92	0.18	38,38,38,38	4
87	MG	5	3651	1/1	0.92	0.10	45,45,45,45	0
87	MG	5	3653	1/1	0.92	0.24	37,37,37,37	0
87	MG	5	3655	1/1	0.92	0.17	42,42,42,42	0
87	MG	q0	202	1/1	0.92	0.08	50,50,50,50	0
87	MG	1	3723	1/1	0.92	0.21	70,70,70,70	0
87	MG	f	1003	1/1	0.92	0.11	50,50,50,50	0
87	MG	1	3523	1/1	0.92	0.29	33,33,33,33	0
88	OHX	2	2035	7/7	0.92	0.15	100,100,100,100	6
87	MG	1	3725	1/1	0.92	0.21	43,43,43,43	0
87	MG	5	3417	1/1	0.92	0.24	38,38,38,38	0
87	MG	1	3511	1/1	0.92	0.21	36,36,36,36	0
87	MG	6	1971	1/1	0.92	0.22	56,56,56,56	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
88	OHX	5	4078	7/7	0.92	0.16	38,38,38,38	5
87	MG	5	3671	1/1	0.92	0.18	44,44,44,44	0
88	OHX	6	2101	7/7	0.92	0.13	88,88,88,88	3
88	OHX	2	2056	7/7	0.92	0.12	108,108,108,108	5
88	OHX	6	2104	7/7	0.92	0.10	83,83,83,83	5
88	OHX	6	2105	7/7	0.92	0.14	83,83,83,83	2
87	MG	2	2155	1/1	0.92	0.10	83,83,83,83	0
88	OHX	2	2061	7/7	0.92	0.19	63,63,63,63	4
87	MG	5	3674	1/1	0.92	0.12	50,50,50,50	0
88	OHX	2	2063	7/7	0.92	0.15	80,80,80,80	4
87	MG	1	3541	1/1	0.92	0.30	39,39,39,39	0
88	OHX	1	3994	7/7	0.92	0.10	47,47,47,47	2
87	MG	6	1977	1/1	0.92	0.14	70,70,70,70	0
88	OHX	2	2069	7/7	0.92	0.09	122,122,122,122	3
88	OHX	6	2118	7/7	0.92	0.12	62,62,62,62	3
87	MG	1	3543	1/1	0.92	0.21	36,36,36,36	0
87	MG	5	3681	1/1	0.92	0.09	130,130,130,130	0
87	MG	1	3634	1/1	0.92	0.08	60,60,60,60	0
87	MG	1	3736	1/1	0.92	0.22	54,54,54,54	0
87	MG	1	3684	1/1	0.92	0.07	57,57,57,57	0
87	MG	5	3543	1/1	0.92	0.19	41,41,41,41	0
88	OHX	1	4012	7/7	0.92	0.17	41,41,41,41	4
87	MG	1	3574	1/1	0.92	0.13	41,41,41,41	0
87	MG	5	3444	1/1	0.92	0.32	55,55,55,55	0
87	MG	5	3691	1/1	0.92	0.09	52,52,52,52	0
88	OHX	2	2090	7/7	0.92	0.09	84,84,84,84	3
87	MG	5	3695	1/1	0.92	0.17	39,39,39,39	0
88	OHX	1	4021	7/7	0.92	0.13	48,48,48,48	5
87	MG	2	1922	1/1	0.92	0.32	60,60,60,60	0
88	OHX	1	4023	7/7	0.92	0.13	69,69,69,69	6
88	OHX	6	2138	7/7	0.92	0.17	62,62,62,62	5
87	MG	5	3550	1/1	0.92	0.29	37,37,37,37	0
88	OHX	5	4118	7/7	0.92	0.12	67,67,67,67	5
87	MG	5	3708	1/1	0.92	0.18	46,46,46,46	0
87	MG	5	3711	1/1	0.92	0.39	63,63,63,63	0
88	OHX	6	2142	7/7	0.92	0.23	68,68,68,68	5
88	OHX	6	2143	7/7	0.92	0.09	74,74,74,74	5
87	MG	5	3551	1/1	0.92	0.10	46,46,46,46	0
88	OHX	6	2145	7/7	0.92	0.11	88,88,88,88	6
87	MG	6	1930	1/1	0.92	0.22	63,63,63,63	0
87	MG	1	3693	1/1	0.92	0.18	53,53,53,53	0
88	OHX	6	2152	7/7	0.92	0.13	87,87,87,87	5

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
87	MG	5	3555	1/1	0.92	0.19	36,36,36,36	0
88	OHX	1	4036	7/7	0.92	0.20	70,70,70,70	3
87	MG	5	3721	1/1	0.92	0.23	54,54,54,54	0
87	MG	5	3728	1/1	0.92	0.09	47,47,47,47	0
87	MG	5	3558	1/1	0.92	0.26	37,37,37,37	0
88	OHX	2	2110	7/7	0.92	0.16	61,61,61,61	5
88	OHX	2	2113	7/7	0.92	0.13	99,99,99,99	4
87	MG	1	3746	1/1	0.92	0.13	56,56,56,56	0
88	OHX	1	4044	7/7	0.92	0.09	62,62,62,62	4
87	MG	2	1902	1/1	0.92	0.29	59,59,59,59	0
87	MG	1	3748	1/1	0.92	0.31	45,45,45,45	0
87	MG	5	3568	1/1	0.92	0.28	33,33,33,33	0
87	MG	N3	202	1/1	0.92	0.14	65,65,65,65	0
87	MG	N6	201	1/1	0.92	0.22	64,64,64,64	0
87	MG	5	3740	1/1	0.92	0.21	34,34,34,34	0
87	MG	5	3469	1/1	0.92	0.22	38,38,38,38	0
88	OHX	5	4148	7/7	0.92	0.19	45,45,45,45	6
88	OHX	1	4054	7/7	0.92	0.10	43,43,43,43	3
87	MG	5	3578	1/1	0.92	0.23	38,38,38,38	0
87	MG	5	3473	1/1	0.92	0.21	59,59,59,59	0
87	MG	5	3750	1/1	0.92	0.13	47,47,47,47	0
87	MG	N8	204	1/1	0.92	0.13	56,56,56,56	0
87	MG	N9	101	1/1	0.92	0.23	33,33,33,33	0
87	MG	5	3587	1/1	0.92	0.31	39,39,39,39	0
87	MG	5	3758	1/1	0.92	0.09	58,58,58,58	0
87	MG	1	3546	1/1	0.92	0.15	48,48,48,48	0
87	MG	1	3701	1/1	0.92	0.23	35,35,35,35	0
87	MG	6	1943	1/1	0.92	0.40	51,51,51,51	0
87	MG	5	3592	1/1	0.92	0.31	45,45,45,45	0
88	OHX	7	225	7/7	0.92	0.18	43,43,43,43	4
88	OHX	1	4066	7/7	0.92	0.13	37,37,37,37	3
87	MG	1	3516	1/1	0.92	0.24	36,36,36,36	0
87	MG	6	1945	1/1	0.92	0.30	66,66,66,66	0
88	OHX	8	222	7/7	0.92	0.15	59,59,59,59	3
88	OHX	s9	201	7/7	0.92	0.16	73,73,73,73	5
88	OHX	2	2136	7/7	0.92	0.14	72,72,72,72	5
87	MG	1	3553	1/1	0.92	0.25	41,41,41,41	0
87	MG	5	3782	1/1	0.92	0.26	52,52,52,52	0
87	MG	1	3708	1/1	0.92	0.11	50,50,50,50	0
87	MG	1	3709	1/1	0.92	0.14	44,44,44,44	0
88	OHX	5	3894	7/7	0.92	0.18	56,56,56,56	4
87	MG	2	1988	1/1	0.92	0.20	66,66,66,66	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
88	OHX	l3	404	7/7	0.92	0.09	71,71,71,71	3
88	OHX	1	4075	7/7	0.92	0.17	74,74,74,74	5
88	OHX	5	3915	7/7	0.92	0.13	127,127,127,127	5
88	OHX	2	2143	7/7	0.92	0.23	61,61,61,61	5
87	MG	6	1902	1/1	0.92	0.19	59,59,59,59	0
88	OHX	1	4078	7/7	0.92	0.17	45,45,45,45	6
88	OHX	m0	303	7/7	0.92	0.20	49,49,49,49	1
88	OHX	5	3930	7/7	0.92	0.18	49,49,49,49	3
87	MG	5	3612	1/1	0.92	0.26	38,38,38,38	0
87	MG	5	3613	1/1	0.92	0.21	45,45,45,45	0
87	MG	1	4113	1/1	0.92	0.16	55,55,55,55	1
88	OHX	5	3953	7/7	0.92	0.14	101,101,101,101	2
88	OHX	M7	205	7/7	0.93	0.09	57,57,57,57	5
87	MG	2	1918	1/1	0.93	0.41	65,65,65,65	0
88	OHX	5	4000	7/7	0.93	0.16	48,48,48,48	4
88	OHX	1	3988	7/7	0.93	0.12	68,68,68,68	3
87	MG	5	3759	1/1	0.93	0.18	44,44,44,44	0
87	MG	5	3442	1/1	0.93	0.20	36,36,36,36	0
88	OHX	O9	101	7/7	0.93	0.14	47,47,47,47	4
88	OHX	6	2061	7/7	0.93	0.12	84,84,84,84	2
88	OHX	5	4017	7/7	0.93	0.14	69,69,69,69	4
88	OHX	6	2066	7/7	0.93	0.11	161,161,161,161	6
88	OHX	6	2068	7/7	0.93	0.13	99,99,99,99	3
88	OHX	5	4020	7/7	0.93	0.22	40,40,40,40	2
87	MG	5	3635	1/1	0.93	0.17	42,42,42,42	0
87	MG	1	3572	1/1	0.93	0.23	44,44,44,44	0
88	OHX	5	4027	7/7	0.93	0.12	45,45,45,45	4
88	OHX	1	3993	7/7	0.93	0.13	53,53,53,53	2
88	OHX	6	2077	7/7	0.93	0.17	87,87,87,87	4
87	MG	6	1940	1/1	0.93	0.29	40,40,40,40	0
88	OHX	6	2086	7/7	0.93	0.20	68,68,68,68	5
88	OHX	6	2087	7/7	0.93	0.12	100,100,100,100	5
88	OHX	2	2099	7/7	0.93	0.10	99,99,99,99	4
88	OHX	6	2090	7/7	0.93	0.12	84,84,84,84	6
87	MG	5	3774	1/1	0.93	0.16	50,50,50,50	0
88	OHX	1	4000	7/7	0.93	0.16	104,104,104,104	5
87	MG	1	3595	1/1	0.93	0.20	45,45,45,45	0
88	OHX	2	2104	7/7	0.93	0.11	106,106,106,106	7
87	MG	5	3640	1/1	0.93	0.17	38,38,38,38	0
87	MG	1	3440	1/1	0.93	0.27	52,52,52,52	0
88	OHX	1	4007	7/7	0.93	0.18	40,40,40,40	4
87	MG	5	3454	1/1	0.93	0.27	48,48,48,48	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
87	MG	1	3671	1/1	0.93	0.17	47,47,47,47	0
88	OHX	2	2112	7/7	0.93	0.09	103,103,103,103	6
88	OHX	6	2107	7/7	0.93	0.08	114,114,114,114	7
87	MG	3	202	1/1	0.93	0.31	54,54,54,54	0
87	MG	1	3624	1/1	0.93	0.18	38,38,38,38	0
88	OHX	1	4016	7/7	0.93	0.09	63,63,63,63	3
87	MG	2	1908	1/1	0.93	0.15	84,84,84,84	0
87	MG	1	3674	1/1	0.93	0.33	75,75,75,75	0
87	MG	5	3654	1/1	0.93	0.08	33,33,33,33	0
87	MG	5	3791	1/1	0.93	0.10	42,42,42,42	0
87	MG	1	3627	1/1	0.93	0.17	44,44,44,44	0
87	MG	5	3657	1/1	0.93	0.18	42,42,42,42	0
87	MG	1	3676	1/1	0.93	0.09	49,49,49,49	0
88	OHX	1	4026	7/7	0.93	0.15	51,51,51,51	2
87	MG	7	203	1/1	0.93	0.27	57,57,57,57	0
88	OHX	5	4077	7/7	0.93	0.12	53,53,53,53	5
87	MG	7	204	1/1	0.93	0.23	46,46,46,46	0
87	MG	5	3662	1/1	0.93	0.12	55,55,55,55	0
87	MG	1	3677	1/1	0.93	0.17	49,49,49,49	0
87	MG	5	3557	1/1	0.93	0.18	49,49,49,49	0
88	OHX	6	2128	7/7	0.93	0.10	56,56,56,56	3
88	OHX	1	4032	7/7	0.93	0.12	56,56,56,56	5
87	MG	1	3457	1/1	0.93	0.19	32,32,32,32	0
88	OHX	1	4034	7/7	0.93	0.14	50,50,50,50	5
87	MG	1	3679	1/1	0.93	0.07	45,45,45,45	0
87	MG	7	211	1/1	0.93	0.13	52,52,52,52	0
87	MG	5	3564	1/1	0.93	0.38	33,33,33,33	0
87	MG	6	1954	1/1	0.93	0.44	51,51,51,51	0
88	OHX	2	2132	7/7	0.93	0.10	81,81,81,81	5
87	MG	1	3578	1/1	0.93	0.31	34,34,34,34	0
87	MG	7	215	1/1	0.93	0.07	54,54,54,54	1
87	MG	4	205	1/1	0.93	0.23	40,40,40,40	0
87	MG	4	206	1/1	0.93	0.27	40,40,40,40	0
87	MG	5	3570	1/1	0.93	0.25	38,38,38,38	0
87	MG	5	3677	1/1	0.93	0.16	69,69,69,69	0
87	MG	1	3458	1/1	0.93	0.17	43,43,43,43	0
88	OHX	6	2148	7/7	0.93	0.12	93,93,93,93	5
87	MG	8	209	1/1	0.93	0.23	50,50,50,50	0
87	MG	5	3680	1/1	0.93	0.21	41,41,41,41	0
87	MG	s8	301	1/1	0.93	0.34	63,63,63,63	0
87	MG	5	3682	1/1	0.93	0.23	50,50,50,50	0
87	MG	2	1916	1/1	0.93	0.24	60,60,60,60	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
87	MG	l3	401	1/1	0.93	0.31	31,31,31,31	0
88	OHX	6	2157	7/7	0.93	0.10	51,51,51,51	3
87	MG	1	3635	1/1	0.93	0.10	61,61,61,61	0
88	OHX	2	2148	7/7	0.93	0.23	67,67,67,67	4
87	MG	d3	201	1/1	0.93	0.15	60,60,60,60	0
87	MG	5	3585	1/1	0.93	0.35	38,38,38,38	0
87	MG	m3	201	1/1	0.93	0.12	40,40,40,40	0
87	MG	m6	201	1/1	0.93	0.08	42,42,42,42	0
87	MG	1	3479	1/1	0.93	0.14	54,54,54,54	0
87	MG	5	3689	1/1	0.93	0.17	39,39,39,39	1
87	MG	m7	202	1/1	0.93	0.21	37,37,37,37	0
87	MG	m7	203	1/1	0.93	0.24	35,35,35,35	0
87	MG	n6	201	1/1	0.93	0.18	59,59,59,59	0
87	MG	1	3685	1/1	0.93	0.08	50,50,50,50	0
87	MG	5	3402	1/1	0.93	0.25	47,47,47,47	0
88	OHX	1	3802	7/7	0.93	0.23	66,66,66,66	3
87	MG	5	3692	1/1	0.93	0.11	59,59,59,59	0
88	OHX	1	3839	7/7	0.93	0.19	55,55,55,55	3
87	MG	o2	201	1/1	0.93	0.14	37,37,37,37	0
87	MG	1	3639	1/1	0.93	0.22	58,58,58,58	0
88	OHX	1	3856	7/7	0.93	0.17	45,45,45,45	4
87	MG	5	3404	1/1	0.93	0.28	35,35,35,35	0
87	MG	1	3585	1/1	0.93	0.19	45,45,45,45	0
87	MG	5	3703	1/1	0.93	0.20	48,48,48,48	0
88	OHX	2	2013	7/7	0.93	0.15	105,105,105,105	3
87	MG	L3	403	1/1	0.93	0.14	52,52,52,52	0
88	OHX	5	4140	7/7	0.93	0.13	52,52,52,52	5
88	OHX	1	3890	7/7	0.93	0.10	106,106,106,106	5
88	OHX	1	3892	7/7	0.93	0.12	149,149,149,149	5
88	OHX	2	2019	7/7	0.93	0.16	93,93,93,93	3
88	OHX	1	4084	7/7	0.93	0.15	47,47,47,47	4
87	MG	6	1922	1/1	0.93	0.07	60,60,60,60	0
87	MG	5	3596	1/1	0.93	0.19	46,46,46,46	0
87	MG	5	3600	1/1	0.93	0.12	45,45,45,45	0
87	MG	1	3692	1/1	0.93	0.16	58,58,58,58	1
87	MG	5	3410	1/1	0.93	0.22	37,37,37,37	0
88	OHX	5	3853	7/7	0.93	0.20	69,69,69,69	2
87	MG	5	3502	1/1	0.93	0.14	44,44,44,44	0
87	MG	1	3412	1/1	0.93	0.22	46,46,46,46	0
88	OHX	5	3898	7/7	0.93	0.14	70,70,70,70	5
88	OHX	1	3918	7/7	0.93	0.12	70,70,70,70	3
88	OHX	1	3919	7/7	0.93	0.11	96,96,96,96	3

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
87	MG	M0	301	1/1	0.93	0.18	42,42,42,42	0
87	MG	1	3420	1/1	0.93	0.08	39,39,39,39	0
87	MG	5	3731	1/1	0.93	0.11	44,44,44,44	0
87	MG	1	3657	1/1	0.93	0.30	50,50,50,50	0
88	OHX	1	3936	7/7	0.93	0.11	103,103,103,103	3
88	OHX	1	3938	7/7	0.93	0.12	53,53,53,53	3
87	MG	5	3511	1/1	0.93	0.33	31,31,31,31	0
88	OHX	5	3934	7/7	0.93	0.14	98,98,98,98	2
87	MG	5	3616	1/1	0.93	0.15	63,63,63,63	0
88	OHX	2	2067	7/7	0.93	0.14	124,124,124,124	5
88	OHX	5	3954	7/7	0.93	0.16	73,73,73,73	3
88	OHX	5	3956	7/7	0.93	0.18	81,81,81,81	3
88	OHX	8	226	7/7	0.93	0.12	92,92,92,92	5
88	OHX	8	227	7/7	0.93	0.11	56,56,56,56	4
87	MG	5	3419	1/1	0.93	0.11	51,51,51,51	0
87	MG	1	3428	1/1	0.93	0.29	52,52,52,52	0
87	MG	1	3749	1/1	0.93	0.11	48,48,48,48	0
87	MG	5	3742	1/1	0.93	0.27	61,61,61,61	0
87	MG	1	3702	1/1	0.93	0.12	42,42,42,42	0
87	MG	5	3518	1/1	0.93	0.32	31,31,31,31	0
88	OHX	1	3971	7/7	0.93	0.14	61,61,61,61	3
88	OHX	1	3974	7/7	0.93	0.09	61,61,61,61	5
88	OHX	4	231	7/7	0.93	0.10	56,56,56,56	3
87	MG	5	3747	1/1	0.93	0.19	46,46,46,46	1
87	MG	N3	201	1/1	0.93	0.25	39,39,39,39	0
88	OHX	m0	302	7/7	0.93	0.14	97,97,97,97	4
87	MG	1	3703	1/1	0.93	0.13	59,59,59,59	0
88	OHX	1	3979	7/7	0.93	0.18	69,69,69,69	3
88	OHX	5	3992	7/7	0.93	0.13	41,41,41,41	4
87	MG	1	3451	1/1	0.93	0.30	64,64,64,64	0
88	OHX	o9	102	7/7	0.93	0.12	47,47,47,47	5
87	MG	N8	203	1/1	0.93	0.18	52,52,52,52	0
89	ZN	E1	501	1/1	0.93	0.07	132,132,132,132	0
87	MG	2	1981	1/1	0.93	0.18	60,60,60,60	0
87	MG	5	3725	1/1	0.94	0.09	53,53,53,53	0
88	OHX	5	4010	7/7	0.94	0.13	62,62,62,62	4
88	OHX	2	2138	7/7	0.94	0.13	72,72,72,72	6
88	OHX	5	4012	7/7	0.94	0.13	49,49,49,49	3
88	OHX	6	2091	7/7	0.94	0.12	90,90,90,90	5
87	MG	5	3545	1/1	0.94	0.27	44,44,44,44	0
88	OHX	6	2093	7/7	0.94	0.12	47,47,47,47	2
87	MG	5	3546	1/1	0.94	0.28	56,56,56,56	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
87	MG	5	3628	1/1	0.94	0.14	42,42,42,42	0
87	MG	1	3445	1/1	0.94	0.18	46,46,46,46	0
87	MG	1	3646	1/1	0.94	0.20	41,41,41,41	0
87	MG	5	3634	1/1	0.94	0.20	47,47,47,47	0
87	MG	1	3557	1/1	0.94	0.25	33,33,33,33	0
87	MG	o2	202	1/1	0.94	0.08	52,52,52,52	0
87	MG	5	3408	1/1	0.94	0.29	48,48,48,48	0
87	MG	1	3755	1/1	0.94	0.21	53,53,53,53	0
88	OHX	5	4032	7/7	0.94	0.09	51,51,51,51	3
87	MG	1	3719	1/1	0.94	0.20	58,58,58,58	0
87	MG	5	3411	1/1	0.94	0.24	37,37,37,37	0
87	MG	5	3743	1/1	0.94	0.13	45,45,45,45	0
87	MG	1	3496	1/1	0.94	0.24	40,40,40,40	0
88	OHX	5	4038	7/7	0.94	0.12	65,65,65,65	4
87	MG	1	3561	1/1	0.94	0.33	46,46,46,46	0
88	OHX	2	2025	7/7	0.94	0.19	74,74,74,74	4
88	OHX	2	2026	7/7	0.94	0.11	99,99,99,99	3
88	OHX	5	4043	7/7	0.94	0.15	46,46,46,46	5
87	MG	D4	201	1/1	0.94	0.14	69,69,69,69	0
87	MG	5	3562	1/1	0.94	0.24	31,31,31,31	0
87	MG	5	3645	1/1	0.94	0.16	48,48,48,48	0
88	OHX	5	4049	7/7	0.94	0.12	40,40,40,40	2
88	OHX	2	2050	7/7	0.94	0.14	77,77,77,77	3
88	OHX	5	4053	7/7	0.94	0.12	67,67,67,67	4
87	MG	5	3563	1/1	0.94	0.33	45,45,45,45	0
88	OHX	6	2122	7/7	0.94	0.11	64,64,64,64	3
87	MG	1	3499	1/1	0.94	0.26	40,40,40,40	0
88	OHX	5	4058	7/7	0.94	0.10	50,50,50,50	4
87	MG	2	1939	1/1	0.94	0.14	79,79,79,79	0
87	MG	2	1984	1/1	0.94	0.20	57,57,57,57	0
88	OHX	2	2057	7/7	0.94	0.12	96,96,96,96	3
88	OHX	1	3855	7/7	0.94	0.11	102,102,102,102	4
88	OHX	2	2059	7/7	0.94	0.15	90,90,90,90	1
88	OHX	1	3859	7/7	0.94	0.16	82,82,82,82	5
88	OHX	1	3861	7/7	0.94	0.15	99,99,99,99	3
87	MG	1	3593	1/1	0.94	0.15	48,48,48,48	0
87	MG	5	3424	1/1	0.94	0.22	51,51,51,51	0
87	MG	5	3763	1/1	0.94	0.07	41,41,41,41	0
87	MG	5	3493	1/1	0.94	0.06	38,38,38,38	0
87	MG	6	2003	1/1	0.94	0.18	51,51,51,51	0
87	MG	5	3770	1/1	0.94	0.08	40,40,40,40	0
88	OHX	5	4076	7/7	0.94	0.07	38,38,38,38	2

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
87	MG	5	3574	1/1	0.94	0.20	41,41,41,41	0
88	OHX	1	3897	7/7	0.94	0.14	51,51,51,51	5
88	OHX	1	3898	7/7	0.94	0.15	80,80,80,80	5
87	MG	1	3471	1/1	0.94	0.17	36,36,36,36	0
87	MG	5	3428	1/1	0.94	0.10	34,34,34,34	0
88	OHX	1	3904	7/7	0.94	0.16	55,55,55,55	3
87	MG	5	3776	1/1	0.94	0.13	49,49,49,49	0
88	OHX	6	2146	7/7	0.94	0.11	53,53,53,53	3
88	OHX	6	2147	7/7	0.94	0.13	82,82,82,82	5
88	OHX	2	2072	7/7	0.94	0.13	104,104,104,104	5
88	OHX	6	2149	7/7	0.94	0.13	49,49,49,49	4
87	MG	5	3667	1/1	0.94	0.34	54,54,54,54	0
88	OHX	2	2076	7/7	0.94	0.11	78,78,78,78	2
87	MG	1	3696	1/1	0.94	0.09	62,62,62,62	0
88	OHX	2	2079	7/7	0.94	0.12	122,122,122,122	6
88	OHX	6	2154	7/7	0.94	0.12	69,69,69,69	5
87	MG	5	3430	1/1	0.94	0.18	41,41,41,41	0
87	MG	1	3734	1/1	0.94	0.17	35,35,35,35	0
88	OHX	2	2084	7/7	0.94	0.10	87,87,87,87	3
87	MG	5	3784	1/1	0.94	0.24	41,41,41,41	0
87	MG	1	3699	1/1	0.94	0.08	48,48,48,48	0
88	OHX	1	3929	7/7	0.94	0.10	116,116,116,116	5
88	OHX	2	2088	7/7	0.94	0.11	99,99,99,99	3
87	MG	2	1934	1/1	0.94	0.09	93,93,93,93	0
87	MG	1	3402	1/1	0.94	0.29	53,53,53,53	0
88	OHX	5	4106	7/7	0.94	0.17	52,52,52,52	3
88	OHX	1	3944	7/7	0.94	0.12	44,44,44,44	1
87	MG	1	3741	1/1	0.94	0.07	46,46,46,46	0
87	MG	5	3506	1/1	0.94	0.29	34,34,34,34	0
87	MG	1	3475	1/1	0.94	0.32	49,49,49,49	0
88	OHX	1	3951	7/7	0.94	0.14	41,41,41,41	3
87	MG	6	1970	1/1	0.94	0.18	52,52,52,52	0
87	MG	5	3793	1/1	0.94	0.18	49,49,49,49	0
87	MG	1	3507	1/1	0.94	0.32	36,36,36,36	0
88	OHX	1	4091	7/7	0.94	0.14	44,44,44,44	5
88	OHX	1	3963	7/7	0.94	0.12	58,58,58,58	3
88	OHX	1	3964	7/7	0.94	0.15	54,54,54,54	4
87	MG	5	4161	1/1	0.94	0.11	39,39,39,39	0
87	MG	5	4164	1/1	0.94	0.10	55,55,55,55	0
88	OHX	1	3968	7/7	0.94	0.16	72,72,72,72	3
87	MG	5	4165	1/1	0.94	0.25	39,39,39,39	1
88	OHX	1	3970	7/7	0.94	0.12	53,53,53,53	4

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
87	MG	1	3603	1/1	0.94	0.15	45,45,45,45	0
88	OHX	2	2102	7/7	0.94	0.09	161,161,161,161	7
87	MG	5	3598	1/1	0.94	0.12	50,50,50,50	0
87	MG	5	3449	1/1	0.94	0.10	37,37,37,37	0
88	OHX	1	3977	7/7	0.94	0.11	51,51,51,51	3
87	MG	5	3450	1/1	0.94	0.24	48,48,48,48	0
88	OHX	3	214	7/7	0.94	0.15	77,77,77,77	4
87	MG	5	3451	1/1	0.94	0.06	44,44,44,44	0
87	MG	7	207	1/1	0.94	0.21	40,40,40,40	0
88	OHX	c8	201	7/7	0.94	0.12	94,94,94,94	5
87	MG	5	3452	1/1	0.94	0.20	35,35,35,35	0
87	MG	5	3608	1/1	0.94	0.13	47,47,47,47	0
88	OHX	5	3840	7/7	0.94	0.19	65,65,65,65	2
87	MG	1	3476	1/1	0.94	0.15	43,43,43,43	0
88	OHX	4	226	7/7	0.94	0.11	75,75,75,75	1
87	MG	4	211	1/1	0.94	0.26	66,66,66,66	0
87	MG	5	3457	1/1	0.94	0.26	34,34,34,34	0
87	MG	5	3693	1/1	0.94	0.34	47,47,47,47	0
88	OHX	5	3905	7/7	0.94	0.09	118,118,118,118	3
88	OHX	4	232	7/7	0.94	0.14	45,45,45,45	4
87	MG	5	3527	1/1	0.94	0.21	39,39,39,39	0
87	MG	5	3696	1/1	0.94	0.12	56,56,56,56	0
87	MG	5	3698	1/1	0.94	0.29	65,65,65,65	0
87	MG	4	214	1/1	0.94	0.19	71,71,71,71	0
88	OHX	5	3924	7/7	0.94	0.14	45,45,45,45	4
88	OHX	5	3927	7/7	0.94	0.14	48,48,48,48	2
87	MG	5	3700	1/1	0.94	0.14	53,53,53,53	0
88	OHX	5	3931	7/7	0.94	0.17	55,55,55,55	3
88	OHX	M0	302	7/7	0.94	0.17	50,50,50,50	4
87	MG	5	3459	1/1	0.94	0.15	43,43,43,43	0
88	OHX	1	3998	7/7	0.94	0.09	67,67,67,67	3
88	OHX	1	3999	7/7	0.94	0.14	55,55,55,55	5
88	OHX	5	3946	7/7	0.94	0.14	100,100,100,100	3
88	OHX	5	3950	7/7	0.94	0.16	40,40,40,40	4
87	MG	5	3702	1/1	0.94	0.24	62,62,62,62	0
87	MG	6	1979	1/1	0.94	0.17	54,54,54,54	0
88	OHX	8	220	7/7	0.94	0.15	75,75,75,75	3
88	OHX	1	4003	7/7	0.94	0.11	57,57,57,57	4
88	OHX	5	3958	7/7	0.94	0.16	52,52,52,52	2
87	MG	5	3705	1/1	0.94	0.09	50,50,50,50	0
87	MG	5	3706	1/1	0.94	0.29	69,69,69,69	0
88	OHX	6	2029	7/7	0.94	0.18	67,67,67,67	5

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
88	OHX	6	2043	7/7	0.94	0.14	91,91,91,91	4
88	OHX	6	2050	7/7	0.94	0.12	87,87,87,87	3
88	OHX	6	2051	7/7	0.94	0.12	123,123,123,123	5
88	OHX	6	2052	7/7	0.94	0.14	73,73,73,73	2
87	MG	1	3577	1/1	0.94	0.39	27,27,27,27	0
88	OHX	6	2064	7/7	0.94	0.11	97,97,97,97	3
88	OHX	6	2065	7/7	0.94	0.12	141,141,141,141	6
87	MG	1	3550	1/1	0.94	0.31	32,32,32,32	0
88	OHX	5	3989	7/7	0.94	0.10	48,48,48,48	3
88	OHX	6	2067	7/7	0.94	0.12	157,157,157,157	5
87	MG	1	3509	1/1	0.94	0.13	39,39,39,39	0
87	MG	5	3713	1/1	0.94	0.07	55,55,55,55	0
87	MG	5	3468	1/1	0.94	0.32	49,49,49,49	0
87	MG	5	3542	1/1	0.94	0.26	38,38,38,38	0
88	OHX	1	4014	7/7	0.94	0.15	53,53,53,53	3
87	MG	1	3489	1/1	0.94	0.23	44,44,44,44	0
88	OHX	6	2083	7/7	0.94	0.14	85,85,85,85	7
87	MG	1	3715	1/1	0.94	0.26	49,49,49,49	0
88	OHX	q1	702	7/7	0.94	0.17	48,48,48,48	3
88	OHX	5	4001	7/7	0.94	0.11	40,40,40,40	3
88	OHX	5	4002	7/7	0.94	0.14	63,63,63,63	4
87	MG	5	3722	1/1	0.94	0.10	46,46,46,46	1
89	ZN	e1	501	1/1	0.94	0.05	168,168,168,168	0
87	MG	5	3580	1/1	0.95	0.36	44,44,44,44	0
88	OHX	1	4098	7/7	0.95	0.12	45,45,45,45	5
87	MG	1	3588	1/1	0.95	0.29	55,55,55,55	0
88	OHX	5	3938	7/7	0.95	0.14	41,41,41,41	4
87	MG	5	3704	1/1	0.95	0.17	44,44,44,44	0
88	OHX	5	3945	7/7	0.95	0.10	59,59,59,59	5
87	MG	5	3583	1/1	0.95	0.41	28,28,28,28	0
88	OHX	5	3947	7/7	0.95	0.17	53,53,53,53	5
87	MG	5	3584	1/1	0.95	0.21	31,31,31,31	0
87	MG	6	1927	1/1	0.95	0.22	54,54,54,54	0
88	OHX	1	3902	7/7	0.95	0.18	51,51,51,51	1
88	OHX	1	3903	7/7	0.95	0.10	52,52,52,52	3
88	OHX	5	3957	7/7	0.95	0.13	38,38,38,38	2
88	OHX	1	4106	7/7	0.95	0.14	60,60,60,60	4
88	OHX	1	4107	7/7	0.95	0.11	151,151,151,151	6
88	OHX	5	3961	7/7	0.95	0.13	56,56,56,56	3
88	OHX	2	2010	7/7	0.95	0.15	86,86,86,86	5
87	MG	5	3710	1/1	0.95	0.12	46,46,46,46	0
87	MG	4	209	1/1	0.95	0.07	58,58,58,58	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
87	MG	1	3421	1/1	0.95	0.23	44,44,44,44	0
88	OHX	2	2020	7/7	0.95	0.13	73,73,73,73	4
88	OHX	5	3970	7/7	0.95	0.18	57,57,57,57	3
88	OHX	5	3973	7/7	0.95	0.12	153,153,153,153	7
88	OHX	5	3976	7/7	0.95	0.17	50,50,50,50	4
88	OHX	5	3977	7/7	0.95	0.12	41,41,41,41	5
88	OHX	1	3913	7/7	0.95	0.11	55,55,55,55	2
87	MG	1	3455	1/1	0.95	0.27	32,32,32,32	0
88	OHX	4	223	7/7	0.95	0.10	67,67,67,67	3
88	OHX	4	224	7/7	0.95	0.13	81,81,81,81	4
88	OHX	5	3986	7/7	0.95	0.11	46,46,46,46	3
87	MG	1	3722	1/1	0.95	0.21	56,56,56,56	0
88	OHX	1	3916	7/7	0.95	0.13	45,45,45,45	2
88	OHX	4	229	7/7	0.95	0.11	92,92,92,92	3
88	OHX	2	2028	7/7	0.95	0.17	74,74,74,74	4
88	OHX	2	2032	7/7	0.95	0.16	92,92,92,92	4
87	MG	6	1932	1/1	0.95	0.28	60,60,60,60	0
88	OHX	2	2037	7/7	0.95	0.14	102,102,102,102	3
88	OHX	5	3995	7/7	0.95	0.12	68,68,68,68	5
88	OHX	2	2038	7/7	0.95	0.08	110,110,110,110	3
87	MG	4	215	1/1	0.95	0.15	51,51,51,51	1
88	OHX	2	2044	7/7	0.95	0.10	130,130,130,130	7
88	OHX	2	2045	7/7	0.95	0.14	65,65,65,65	4
88	OHX	1	3937	7/7	0.95	0.11	54,54,54,54	4
87	MG	1	3540	1/1	0.95	0.24	35,35,35,35	0
88	OHX	M5	301	7/7	0.95	0.14	66,66,66,66	4
88	OHX	1	3939	7/7	0.95	0.13	76,76,76,76	4
88	OHX	1	3942	7/7	0.95	0.10	87,87,87,87	3
88	OHX	2	2047	7/7	0.95	0.16	88,88,88,88	5
88	OHX	2	2048	7/7	0.95	0.15	97,97,97,97	3
87	MG	5	3482	1/1	0.95	0.29	30,30,30,30	0
88	OHX	O3	203	7/7	0.95	0.15	47,47,47,47	3
87	MG	1	3435	1/1	0.95	0.29	35,35,35,35	0
87	MG	5	3726	1/1	0.95	0.12	47,47,47,47	0
88	OHX	1	3952	7/7	0.95	0.14	46,46,46,46	5
88	OHX	6	2039	7/7	0.95	0.11	123,123,123,123	3
88	OHX	5	4021	7/7	0.95	0.12	41,41,41,41	5
87	MG	5	3727	1/1	0.95	0.18	46,46,46,46	1
88	OHX	5	4023	7/7	0.95	0.13	97,97,97,97	5
88	OHX	6	2044	7/7	0.95	0.14	51,51,51,51	3
88	OHX	1	3954	7/7	0.95	0.15	54,54,54,54	3
88	OHX	1	3955	7/7	0.95	0.10	100,100,100,100	2

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
87	MG	5	3597	1/1	0.95	0.09	48,48,48,48	0
88	OHX	6	2057	7/7	0.95	0.12	65,65,65,65	2
88	OHX	6	2060	7/7	0.95	0.09	96,96,96,96	3
87	MG	1	3622	1/1	0.95	0.19	44,44,44,44	0
88	OHX	6	2063	7/7	0.95	0.10	138,138,138,138	4
87	MG	4	219	1/1	0.95	0.29	58,58,58,58	0
87	MG	1	3567	1/1	0.95	0.40	48,48,48,48	0
87	MG	1	3727	1/1	0.95	0.08	46,46,46,46	0
87	MG	5	3603	1/1	0.95	0.19	38,38,38,38	0
88	OHX	5	4040	7/7	0.95	0.14	40,40,40,40	4
88	OHX	1	3967	7/7	0.95	0.15	37,37,37,37	4
88	OHX	6	2070	7/7	0.95	0.12	86,86,86,86	3
87	MG	L6	201	1/1	0.95	0.07	53,53,53,53	0
87	MG	1	3542	1/1	0.95	0.26	36,36,36,36	0
87	MG	1	3570	1/1	0.95	0.27	37,37,37,37	0
88	OHX	6	2074	7/7	0.95	0.13	71,71,71,71	2
88	OHX	2	2066	7/7	0.95	0.08	139,139,139,139	6
88	OHX	6	2078	7/7	0.95	0.14	66,66,66,66	2
87	MG	1	3449	1/1	0.95	0.24	42,42,42,42	0
88	OHX	2	2068	7/7	0.95	0.12	144,144,144,144	6
88	OHX	6	2084	7/7	0.95	0.13	98,98,98,98	5
87	MG	1	3477	1/1	0.95	0.14	41,41,41,41	0
87	MG	5	3496	1/1	0.95	0.21	38,38,38,38	0
88	OHX	5	4059	7/7	0.95	0.12	40,40,40,40	2
87	MG	M6	201	1/1	0.95	0.17	47,47,47,47	0
87	MG	5	3615	1/1	0.95	0.17	35,35,35,35	0
88	OHX	2	2073	7/7	0.95	0.11	64,64,64,64	4
87	MG	5	3498	1/1	0.95	0.27	64,64,64,64	0
87	MG	5	3748	1/1	0.95	0.05	45,45,45,45	0
87	MG	5	3401	1/1	0.95	0.17	42,42,42,42	0
88	OHX	6	2095	7/7	0.95	0.09	104,104,104,104	3
87	MG	6	1946	1/1	0.95	0.33	48,48,48,48	0
88	OHX	2	2080	7/7	0.95	0.13	107,107,107,107	7
87	MG	1	3630	1/1	0.95	0.11	40,40,40,40	0
87	MG	5	3753	1/1	0.95	0.21	42,42,42,42	0
88	OHX	5	4073	7/7	0.95	0.16	47,47,47,47	2
87	MG	1	3598	1/1	0.95	0.35	70,70,70,70	0
87	MG	1	3442	1/1	0.95	0.30	45,45,45,45	0
87	MG	5	3622	1/1	0.95	0.18	38,38,38,38	0
87	MG	1	3600	1/1	0.95	0.27	48,48,48,48	0
87	MG	1	3636	1/1	0.95	0.21	58,58,58,58	0
87	MG	1	3743	1/1	0.95	0.12	49,49,49,49	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
87	MG	N3	203	1/1	0.95	0.06	55,55,55,55	0
87	MG	5	3766	1/1	0.95	0.17	33,33,33,33	0
87	MG	5	3767	1/1	0.95	0.07	40,40,40,40	0
87	MG	1	3687	1/1	0.95	0.16	41,41,41,41	1
87	MG	5	3512	1/1	0.95	0.13	40,40,40,40	0
87	MG	5	3771	1/1	0.95	0.10	38,38,38,38	0
87	MG	5	3629	1/1	0.95	0.18	43,43,43,43	0
87	MG	5	3630	1/1	0.95	0.20	55,55,55,55	0
87	MG	6	1955	1/1	0.95	0.34	64,64,64,64	0
87	MG	N8	201	1/1	0.95	0.22	57,57,57,57	0
87	MG	5	3777	1/1	0.95	0.05	67,67,67,67	0
88	OHX	2	2103	7/7	0.95	0.12	77,77,77,77	3
87	MG	5	3414	1/1	0.95	0.27	34,34,34,34	0
88	OHX	2	2105	7/7	0.95	0.10	106,106,106,106	4
87	MG	1	3602	1/1	0.95	0.12	43,43,43,43	0
88	OHX	1	4017	7/7	0.95	0.15	50,50,50,50	5
87	MG	5	3780	1/1	0.95	0.12	43,43,43,43	0
87	MG	1	3690	1/1	0.95	0.20	46,46,46,46	0
87	MG	5	3519	1/1	0.95	0.17	32,32,32,32	0
87	MG	1	3495	1/1	0.95	0.24	40,40,40,40	0
87	MG	1	3640	1/1	0.95	0.33	66,66,66,66	0
87	MG	1	3548	1/1	0.95	0.28	35,35,35,35	0
87	MG	2	1991	1/1	0.95	0.13	76,76,76,76	0
88	OHX	1	4025	7/7	0.95	0.10	42,42,42,42	3
87	MG	5	3788	1/1	0.95	0.11	40,40,40,40	0
87	MG	1	3643	1/1	0.95	0.22	35,35,35,35	0
87	MG	5	3528	1/1	0.95	0.15	34,34,34,34	0
87	MG	1	3551	1/1	0.95	0.18	32,32,32,32	0
87	MG	5	3646	1/1	0.95	0.25	38,38,38,38	0
87	MG	5	3647	1/1	0.95	0.16	41,41,41,41	0
87	MG	6	1965	1/1	0.95	0.26	63,63,63,63	0
87	MG	5	3427	1/1	0.95	0.17	40,40,40,40	0
87	MG	5	4162	1/1	0.95	0.47	36,36,36,36	1
88	OHX	1	4035	7/7	0.95	0.12	64,64,64,64	4
87	MG	5	3534	1/1	0.95	0.25	41,41,41,41	0
87	MG	5	3535	1/1	0.95	0.32	41,41,41,41	0
87	MG	5	3536	1/1	0.95	0.27	36,36,36,36	0
87	MG	7	201	1/1	0.95	0.19	51,51,51,51	0
87	MG	1	3698	1/1	0.95	0.18	57,57,57,57	0
87	MG	1	3647	1/1	0.95	0.25	58,58,58,58	0
88	OHX	1	4042	7/7	0.95	0.12	52,52,52,52	5
87	MG	5	3539	1/1	0.95	0.27	29,29,29,29	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
87	MG	1	3700	1/1	0.95	0.19	63,63,63,63	0
88	OHX	1	4045	7/7	0.95	0.17	45,45,45,45	4
87	MG	1	3756	1/1	0.95	0.16	54,54,54,54	0
87	MG	1	4108	1/1	0.95	0.15	41,41,41,41	0
87	MG	5	3666	1/1	0.95	0.21	39,39,39,39	0
87	MG	1	3648	1/1	0.95	0.07	46,46,46,46	0
87	MG	5	3435	1/1	0.95	0.21	39,39,39,39	0
87	MG	1	3607	1/1	0.95	0.12	45,45,45,45	0
87	MG	5	3441	1/1	0.95	0.20	35,35,35,35	0
87	MG	1	3652	1/1	0.95	0.18	46,46,46,46	0
88	OHX	6	2166	7/7	0.95	0.09	65,65,65,65	5
87	MG	1	3654	1/1	0.95	0.24	56,56,56,56	0
87	MG	7	228	1/1	0.95	0.08	38,38,38,38	0
88	OHX	5	4144	7/7	0.95	0.13	49,49,49,49	5
87	MG	8	201	1/1	0.95	0.10	51,51,51,51	0
87	MG	1	3608	1/1	0.95	0.06	49,49,49,49	0
87	MG	3	203	1/1	0.95	0.23	38,38,38,38	0
87	MG	5	3447	1/1	0.95	0.22	46,46,46,46	0
87	MG	6	1912	1/1	0.95	0.29	59,59,59,59	0
88	OHX	6	2174	7/7	0.95	0.11	86,86,86,86	6
87	MG	5	3554	1/1	0.95	0.30	47,47,47,47	0
87	MG	8	208	1/1	0.95	0.16	46,46,46,46	0
87	MG	6	1913	1/1	0.95	0.26	44,44,44,44	0
87	MG	5	3556	1/1	0.95	0.24	33,33,33,33	0
87	MG	1	3706	1/1	0.95	0.17	36,36,36,36	0
87	MG	1	3707	1/1	0.95	0.24	45,45,45,45	1
87	MG	5	3685	1/1	0.95	0.11	44,44,44,44	0
87	MG	12	302	1/1	0.95	0.20	50,50,50,50	0
87	MG	12	303	1/1	0.95	0.09	45,45,45,45	0
88	OHX	7	222	7/7	0.95	0.15	66,66,66,66	2
87	MG	1	3497	1/1	0.95	0.36	34,34,34,34	0
87	MG	6	1987	1/1	0.95	0.34	58,58,58,58	0
87	MG	1	3481	1/1	0.95	0.14	40,40,40,40	0
87	MG	5	3456	1/1	0.95	0.06	40,40,40,40	0
88	OHX	1	3820	7/7	0.95	0.18	86,86,86,86	3
88	OHX	8	218	7/7	0.95	0.12	73,73,73,73	2
88	OHX	8	219	7/7	0.95	0.13	59,59,59,59	2
88	OHX	1	3829	7/7	0.95	0.17	60,60,60,60	2
88	OHX	1	3831	7/7	0.95	0.18	85,85,85,85	3
87	MG	1	3710	1/1	0.95	0.09	45,45,45,45	0
87	MG	1	3661	1/1	0.95	0.14	46,46,46,46	0
88	OHX	1	3843	7/7	0.95	0.12	111,111,111,111	1

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
88	OHX	5	3796	7/7	0.95	0.11	52,52,52,52	2
88	OHX	5	3838	7/7	0.95	0.21	62,62,62,62	3
87	MG	1	3662	1/1	0.95	0.11	43,43,43,43	0
87	MG	1	3415	1/1	0.95	0.10	57,57,57,57	0
88	OHX	5	3854	7/7	0.95	0.23	80,80,80,80	3
88	OHX	5	3858	7/7	0.95	0.19	45,45,45,45	4
88	OHX	5	3861	7/7	0.95	0.20	55,55,55,55	2
87	MG	1	3470	1/1	0.95	0.23	47,47,47,47	0
88	OHX	5	3887	7/7	0.95	0.16	87,87,87,87	3
87	MG	5	3463	1/1	0.95	0.24	56,56,56,56	0
87	MG	n0	202	1/1	0.95	0.20	48,48,48,48	0
88	OHX	5	3901	7/7	0.95	0.18	67,67,67,67	2
87	MG	1	3517	1/1	0.95	0.32	40,40,40,40	0
87	MG	6	1996	1/1	0.95	0.21	60,60,60,60	0
88	OHX	5	3907	7/7	0.95	0.20	41,41,41,41	2
88	OHX	1	3866	7/7	0.95	0.14	53,53,53,53	3
88	OHX	1	3868	7/7	0.95	0.15	68,68,68,68	3
87	MG	n8	202	1/1	0.95	0.26	51,51,51,51	0
87	MG	2	1917	1/1	0.95	0.24	65,65,65,65	0
87	MG	n9	101	1/1	0.95	0.20	32,32,32,32	0
88	OHX	1	4093	7/7	0.95	0.12	42,42,42,42	5
88	OHX	1	3875	7/7	0.95	0.12	86,86,86,86	3
87	MG	1	3669	1/1	0.95	0.33	38,38,38,38	0
88	OHX	1	3889	7/7	0.95	0.12	49,49,49,49	3
89	ZN	q2	501	1/1	0.95	0.12	79,79,79,79	0
88	OHX	2	2002	7/7	0.96	0.14	109,109,109,109	4
88	OHX	5	4013	7/7	0.96	0.11	67,67,67,67	4
88	OHX	2	2007	7/7	0.96	0.12	136,136,136,136	6
87	MG	1	3560	1/1	0.96	0.31	35,35,35,35	0
88	OHX	1	3943	7/7	0.96	0.08	89,89,89,89	3
88	OHX	6	2131	7/7	0.96	0.09	53,53,53,53	4
88	OHX	6	2132	7/7	0.96	0.12	61,61,61,61	5
87	MG	5	3781	1/1	0.96	0.09	56,56,56,56	0
87	MG	L7	301	1/1	0.96	0.14	41,41,41,41	0
87	MG	5	3526	1/1	0.96	0.29	35,35,35,35	0
87	MG	5	3638	1/1	0.96	0.12	41,41,41,41	0
88	OHX	5	4024	7/7	0.96	0.13	74,74,74,74	5
88	OHX	2	2023	7/7	0.96	0.09	111,111,111,111	2
88	OHX	5	4026	7/7	0.96	0.11	68,68,68,68	6
88	OHX	2	2024	7/7	0.96	0.09	98,98,98,98	6
87	MG	5	3434	1/1	0.96	0.22	44,44,44,44	0
87	MG	1	3403	1/1	0.96	0.16	43,43,43,43	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
88	OHX	2	2027	7/7	0.96	0.10	94,94,94,94	5
87	MG	5	3529	1/1	0.96	0.34	28,28,28,28	0
88	OHX	5	4033	7/7	0.96	0.09	37,37,37,37	5
88	OHX	1	3958	7/7	0.96	0.10	47,47,47,47	4
88	OHX	1	3960	7/7	0.96	0.07	110,110,110,110	2
88	OHX	1	3961	7/7	0.96	0.11	41,41,41,41	4
88	OHX	2	2031	7/7	0.96	0.09	102,102,102,102	1
87	MG	5	3530	1/1	0.96	0.20	46,46,46,46	0
88	OHX	2	2033	7/7	0.96	0.08	91,91,91,91	7
87	MG	5	3437	1/1	0.96	0.17	33,33,33,33	0
87	MG	5	3709	1/1	0.96	0.24	56,56,56,56	0
87	MG	5	3438	1/1	0.96	0.22	48,48,48,48	0
87	MG	5	3439	1/1	0.96	0.13	46,46,46,46	0
88	OHX	2	2040	7/7	0.96	0.13	68,68,68,68	4
88	OHX	2	2041	7/7	0.96	0.08	110,110,110,110	5
88	OHX	2	2042	7/7	0.96	0.13	100,100,100,100	4
88	OHX	5	4048	7/7	0.96	0.14	41,41,41,41	5
88	OHX	1	3972	7/7	0.96	0.10	53,53,53,53	2
88	OHX	5	4050	7/7	0.96	0.07	39,39,39,39	4
88	OHX	5	4051	7/7	0.96	0.09	51,51,51,51	2
87	MG	1	3623	1/1	0.96	0.06	48,48,48,48	0
87	MG	5	3484	1/1	0.96	0.07	48,48,48,48	0
87	MG	5	3715	1/1	0.96	0.23	39,39,39,39	0
87	MG	2	1913	1/1	0.96	0.07	69,69,69,69	0
88	OHX	5	4056	7/7	0.96	0.10	49,49,49,49	5
87	MG	5	4163	1/1	0.96	0.17	34,34,34,34	0
87	MG	5	3486	1/1	0.96	0.19	45,45,45,45	0
88	OHX	1	3980	7/7	0.96	0.08	182,182,182,182	7
87	MG	5	3718	1/1	0.96	0.25	59,59,59,59	0
87	MG	6	1991	1/1	0.96	0.09	65,65,65,65	0
87	MG	1	3563	1/1	0.96	0.29	40,40,40,40	0
88	OHX	2	2054	7/7	0.96	0.12	104,104,104,104	5
88	OHX	1	3986	7/7	0.96	0.09	41,41,41,41	2
88	OHX	1	3987	7/7	0.96	0.13	65,65,65,65	5
87	MG	1	3626	1/1	0.96	0.14	43,43,43,43	0
87	MG	5	3656	1/1	0.96	0.07	42,42,42,42	0
87	MG	1	3504	1/1	0.96	0.20	42,42,42,42	0
87	MG	5	3658	1/1	0.96	0.15	39,39,39,39	0
87	MG	5	3599	1/1	0.96	0.14	42,42,42,42	0
87	MG	5	3661	1/1	0.96	0.19	43,43,43,43	0
87	MG	6	1908	1/1	0.96	0.30	58,58,58,58	0
87	MG	1	3650	1/1	0.96	0.07	55,55,55,55	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
88	OHX	1	3996	7/7	0.96	0.09	55,55,55,55	5
87	MG	1	3549	1/1	0.96	0.23	39,39,39,39	0
87	MG	2	1903	1/1	0.96	0.16	59,59,59,59	0
88	OHX	L3	404	7/7	0.96	0.10	68,68,68,68	2
88	OHX	5	4080	7/7	0.96	0.06	111,111,111,111	4
87	MG	5	3605	1/1	0.96	0.25	56,56,56,56	0
88	OHX	1	3803	7/7	0.96	0.14	60,60,60,60	3
88	OHX	1	3810	7/7	0.96	0.12	89,89,89,89	4
88	OHX	1	3812	7/7	0.96	0.16	100,100,100,100	3
87	MG	1	3406	1/1	0.96	0.12	48,48,48,48	0
88	OHX	1	3824	7/7	0.96	0.16	57,57,57,57	2
88	OHX	1	3827	7/7	0.96	0.12	73,73,73,73	1
87	MG	5	3547	1/1	0.96	0.26	51,51,51,51	0
87	MG	4	213	1/1	0.96	0.24	49,49,49,49	0
88	OHX	1	4010	7/7	0.96	0.12	50,50,50,50	6
88	OHX	1	3832	7/7	0.96	0.15	88,88,88,88	3
88	OHX	1	3834	7/7	0.96	0.13	47,47,47,47	2
87	MG	5	3741	1/1	0.96	0.08	39,39,39,39	0
88	OHX	5	4096	7/7	0.96	0.08	55,55,55,55	4
87	MG	5	3670	1/1	0.96	0.22	36,36,36,36	1
88	OHX	6	2032	7/7	0.96	0.12	131,131,131,131	3
88	OHX	6	2035	7/7	0.96	0.15	82,82,82,82	3
87	MG	6	1968	1/1	0.96	0.22	55,55,55,55	0
88	OHX	1	3845	7/7	0.96	0.12	70,70,70,70	2
87	MG	5	3744	1/1	0.96	0.11	42,42,42,42	0
88	OHX	6	2049	7/7	0.96	0.10	95,95,95,95	2
88	OHX	5	3872	7/7	0.96	0.17	71,71,71,71	3
88	OHX	5	3873	7/7	0.96	0.15	65,65,65,65	3
88	OHX	5	3875	7/7	0.96	0.22	53,53,53,53	3
88	OHX	5	4108	7/7	0.96	0.14	64,64,64,64	4
88	OHX	5	4109	7/7	0.96	0.09	68,68,68,68	6
87	MG	5	3672	1/1	0.96	0.19	48,48,48,48	0
88	OHX	5	3893	7/7	0.96	0.13	76,76,76,76	4
88	OHX	2	2077	7/7	0.96	0.09	73,73,73,73	3
87	MG	1	3697	1/1	0.96	0.32	56,56,56,56	0
88	OHX	5	3899	7/7	0.96	0.14	72,72,72,72	2
88	OHX	6	2054	7/7	0.96	0.13	89,89,89,89	2
88	OHX	1	3858	7/7	0.96	0.15	61,61,61,61	3
88	OHX	6	2059	7/7	0.96	0.14	67,67,67,67	4
87	MG	1	3655	1/1	0.96	0.08	44,44,44,44	0
87	MG	1	3417	1/1	0.96	0.21	50,50,50,50	0
88	OHX	5	3911	7/7	0.96	0.10	137,137,137,137	3

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
88	OHX	5	3912	7/7	0.96	0.16	43,43,43,43	4
88	OHX	5	3913	7/7	0.96	0.10	55,55,55,55	3
88	OHX	5	4123	7/7	0.96	0.10	47,47,47,47	3
88	OHX	6	2062	7/7	0.96	0.10	114,114,114,114	4
88	OHX	1	3864	7/7	0.96	0.14	65,65,65,65	2
88	OHX	5	4126	7/7	0.96	0.15	53,53,53,53	6
87	MG	5	3418	1/1	0.96	0.10	41,41,41,41	0
88	OHX	5	3922	7/7	0.96	0.13	59,59,59,59	3
88	OHX	2	2082	7/7	0.96	0.15	86,86,86,86	5
87	MG	1	3491	1/1	0.96	0.06	44,44,44,44	0
87	MG	1	3601	1/1	0.96	0.16	47,47,47,47	0
87	MG	5	3752	1/1	0.96	0.09	41,41,41,41	1
88	OHX	6	2069	7/7	0.96	0.12	74,74,74,74	4
87	MG	5	3679	1/1	0.96	0.21	50,50,50,50	0
87	MG	5	3754	1/1	0.96	0.18	49,49,49,49	0
88	OHX	1	3876	7/7	0.96	0.11	56,56,56,56	4
88	OHX	5	3937	7/7	0.96	0.09	136,136,136,136	1
88	OHX	1	3880	7/7	0.96	0.13	62,62,62,62	4
87	MG	6	1975	1/1	0.96	0.27	58,58,58,58	0
88	OHX	5	3942	7/7	0.96	0.17	46,46,46,46	3
88	OHX	5	3943	7/7	0.96	0.11	69,69,69,69	2
88	OHX	6	2075	7/7	0.96	0.12	71,71,71,71	2
88	OHX	1	3884	7/7	0.96	0.16	54,54,54,54	3
88	OHX	1	3888	7/7	0.96	0.15	45,45,45,45	3
88	OHX	5	3949	7/7	0.96	0.14	50,50,50,50	4
87	MG	5	3756	1/1	0.96	0.17	39,39,39,39	0
88	OHX	5	3951	7/7	0.96	0.18	49,49,49,49	3
88	OHX	5	3952	7/7	0.96	0.11	45,45,45,45	3
88	OHX	6	2081	7/7	0.96	0.09	74,74,74,74	3
88	OHX	6	2082	7/7	0.96	0.12	93,93,93,93	4
88	OHX	5	3955	7/7	0.96	0.09	42,42,42,42	2
87	MG	1	3531	1/1	0.96	0.26	52,52,52,52	0
87	MG	5	3507	1/1	0.96	0.37	37,37,37,37	0
88	OHX	1	3896	7/7	0.96	0.10	57,57,57,57	4
88	OHX	2	2093	7/7	0.96	0.09	91,91,91,91	7
87	MG	O2	201	1/1	0.96	0.16	36,36,36,36	1
87	MG	5	3760	1/1	0.96	0.12	48,48,48,48	0
87	MG	5	3761	1/1	0.96	0.12	41,41,41,41	1
87	MG	5	3466	1/1	0.96	0.09	44,44,44,44	0
88	OHX	7	218	7/7	0.96	0.14	56,56,56,56	2
87	MG	4	236	1/1	0.96	0.08	56,56,56,56	0
87	MG	1	3478	1/1	0.96	0.24	39,39,39,39	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
88	OHX	5	3969	7/7	0.96	0.09	54,54,54,54	4
88	OHX	1	3905	7/7	0.96	0.09	52,52,52,52	2
88	OHX	5	3971	7/7	0.96	0.12	43,43,43,43	2
88	OHX	5	3972	7/7	0.96	0.12	60,60,60,60	4
88	OHX	8	217	7/7	0.96	0.13	85,85,85,85	3
87	MG	n0	201	1/1	0.96	0.11	45,45,45,45	0
88	OHX	5	3975	7/7	0.96	0.09	70,70,70,70	2
88	OHX	6	2098	7/7	0.96	0.15	75,75,75,75	4
88	OHX	8	221	7/7	0.96	0.12	42,42,42,42	4
87	MG	L2	302	1/1	0.96	0.17	44,44,44,44	0
87	MG	5	3470	1/1	0.96	0.17	49,49,49,49	0
88	OHX	1	4052	7/7	0.96	0.13	58,58,58,58	2
88	OHX	1	3909	7/7	0.96	0.13	68,68,68,68	3
87	MG	5	3471	1/1	0.96	0.27	59,59,59,59	0
88	OHX	5	3985	7/7	0.96	0.19	46,46,46,46	4
87	MG	5	3769	1/1	0.96	0.09	43,43,43,43	1
88	OHX	5	3987	7/7	0.96	0.14	69,69,69,69	5
87	MG	5	3472	1/1	0.96	0.17	44,44,44,44	0
87	MG	L3	401	1/1	0.96	0.17	41,41,41,41	0
87	MG	1	3510	1/1	0.96	0.14	36,36,36,36	0
88	OHX	1	3917	7/7	0.96	0.12	52,52,52,52	5
87	MG	5	3631	1/1	0.96	0.07	50,50,50,50	0
88	OHX	2	2109	7/7	0.96	0.07	73,73,73,73	4
88	OHX	1	3922	7/7	0.96	0.10	74,74,74,74	4
87	MG	5	3694	1/1	0.96	0.17	45,45,45,45	0
88	OHX	2	2111	7/7	0.96	0.10	73,73,73,73	5
88	OHX	5	3997	7/7	0.96	0.15	42,42,42,42	3
87	MG	5	3572	1/1	0.96	0.22	32,32,32,32	0
88	OHX	1	3927	7/7	0.96	0.14	48,48,48,48	4
88	OHX	m5	301	7/7	0.96	0.12	72,72,72,72	3
87	MG	o9	101	1/1	0.96	0.10	53,53,53,53	0
87	MG	O7	104	1/1	0.96	0.30	43,43,43,43	1
88	OHX	n6	202	7/7	0.96	0.10	89,89,89,89	5
88	OHX	1	3933	7/7	0.96	0.14	53,53,53,53	4
88	OHX	1	3934	7/7	0.96	0.10	65,65,65,65	3
88	OHX	1	3935	7/7	0.96	0.13	55,55,55,55	2
88	OHX	5	4006	7/7	0.96	0.13	49,49,49,49	2
88	OHX	5	4009	7/7	0.96	0.11	41,41,41,41	3
87	MG	5	3697	1/1	0.96	0.11	40,40,40,40	0
87	MG	5	3522	1/1	0.96	0.38	45,45,45,45	0
88	OHX	5	3879	7/7	0.97	0.13	61,61,61,61	3
88	OHX	2	2034	7/7	0.97	0.11	79,79,79,79	5

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
87	MG	1	3554	1/1	0.97	0.26	30,30,30,30	0
88	OHX	6	2089	7/7	0.97	0.12	58,58,58,58	3
88	OHX	5	3897	7/7	0.97	0.10	76,76,76,76	2
88	OHX	1	3849	7/7	0.97	0.10	65,65,65,65	2
88	OHX	1	3852	7/7	0.97	0.10	79,79,79,79	2
88	OHX	2	2036	7/7	0.97	0.11	75,75,75,75	5
88	OHX	1	3973	7/7	0.97	0.10	52,52,52,52	3
87	MG	1	3411	1/1	0.97	0.23	46,46,46,46	0
87	MG	6	2001	1/1	0.97	0.09	51,51,51,51	0
88	OHX	6	2096	7/7	0.97	0.10	86,86,86,86	5
88	OHX	5	3910	7/7	0.97	0.08	64,64,64,64	4
88	OHX	5	4067	7/7	0.97	0.07	41,41,41,41	4
87	MG	6	2002	1/1	0.97	0.20	55,55,55,55	0
87	MG	5	3650	1/1	0.97	0.07	43,43,43,43	0
87	MG	1	3532	1/1	0.97	0.22	43,43,43,43	0
88	OHX	1	3862	7/7	0.97	0.10	54,54,54,54	4
88	OHX	5	4072	7/7	0.97	0.09	42,42,42,42	4
88	OHX	5	3916	7/7	0.97	0.11	90,90,90,90	5
87	MG	1	3637	1/1	0.97	0.26	47,47,47,47	0
88	OHX	2	2043	7/7	0.97	0.16	80,80,80,80	3
88	OHX	5	3921	7/7	0.97	0.11	83,83,83,83	3
88	OHX	6	2103	7/7	0.97	0.12	90,90,90,90	7
87	MG	5	3460	1/1	0.97	0.27	34,34,34,34	0
88	OHX	1	3867	7/7	0.97	0.11	84,84,84,84	3
88	OHX	5	3925	7/7	0.97	0.14	46,46,46,46	4
88	OHX	5	3926	7/7	0.97	0.16	41,41,41,41	5
87	MG	8	206	1/1	0.97	0.10	58,58,58,58	0
88	OHX	5	3929	7/7	0.97	0.13	42,42,42,42	4
87	MG	5	3420	1/1	0.97	0.04	35,35,35,35	0
88	OHX	5	4085	7/7	0.97	0.08	66,66,66,66	3
88	OHX	6	2108	7/7	0.97	0.09	91,91,91,91	5
88	OHX	5	4087	7/7	0.97	0.16	45,45,45,45	6
87	MG	1	3460	1/1	0.97	0.25	59,59,59,59	0
87	MG	5	3707	1/1	0.97	0.14	44,44,44,44	0
88	OHX	1	3874	7/7	0.97	0.14	43,43,43,43	3
88	OHX	5	3936	7/7	0.97	0.09	51,51,51,51	1
88	OHX	2	2049	7/7	0.97	0.10	78,78,78,78	6
87	MG	6	2006	1/1	0.97	0.08	83,83,83,83	0
88	OHX	6	2114	7/7	0.97	0.14	65,65,65,65	2
88	OHX	1	3877	7/7	0.97	0.12	44,44,44,44	1
88	OHX	1	3878	7/7	0.97	0.11	46,46,46,46	4
88	OHX	5	3944	7/7	0.97	0.10	50,50,50,50	4

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
87	MG	5	3606	1/1	0.97	0.08	40,40,40,40	0
87	MG	5	3659	1/1	0.97	0.17	49,49,49,49	0
88	OHX	1	3882	7/7	0.97	0.14	65,65,65,65	5
87	MG	5	3423	1/1	0.97	0.14	38,38,38,38	0
88	OHX	1	3886	7/7	0.97	0.10	124,124,124,124	4
88	OHX	1	3887	7/7	0.97	0.12	63,63,63,63	1
87	MG	5	3465	1/1	0.97	0.12	36,36,36,36	0
88	OHX	1	4001	7/7	0.97	0.07	200,200,200,200	7
87	MG	5	3772	1/1	0.97	0.04	65,65,65,65	0
88	OHX	5	4107	7/7	0.97	0.17	48,48,48,48	5
87	MG	5	3508	1/1	0.97	0.33	34,34,34,34	0
88	OHX	3	210	7/7	0.97	0.12	48,48,48,48	3
88	OHX	1	3891	7/7	0.97	0.08	63,63,63,63	3
88	OHX	3	212	7/7	0.97	0.12	76,76,76,76	2
88	OHX	2	2058	7/7	0.97	0.08	61,61,61,61	3
88	OHX	5	3960	7/7	0.97	0.06	108,108,108,108	4
88	OHX	1	3893	7/7	0.97	0.06	131,131,131,131	5
88	OHX	1	3894	7/7	0.97	0.09	49,49,49,49	4
87	MG	6	1972	1/1	0.97	0.15	60,60,60,60	0
88	OHX	5	3964	7/7	0.97	0.12	53,53,53,53	5
88	OHX	1	4009	7/7	0.97	0.08	42,42,42,42	3
87	MG	2	1919	1/1	0.97	0.26	70,70,70,70	0
87	MG	4	212	1/1	0.97	0.20	54,54,54,54	0
87	MG	1	3474	1/1	0.97	0.35	43,43,43,43	0
88	OHX	4	225	7/7	0.97	0.08	57,57,57,57	3
87	MG	5	3719	1/1	0.97	0.09	60,60,60,60	0
87	MG	5	3560	1/1	0.97	0.35	34,34,34,34	0
87	MG	6	1976	1/1	0.97	0.25	54,54,54,54	0
87	MG	1	3732	1/1	0.97	0.12	37,37,37,37	0
87	MG	5	3724	1/1	0.97	0.11	44,44,44,44	0
87	MG	1	3733	1/1	0.97	0.12	37,37,37,37	1
88	OHX	5	3978	7/7	0.97	0.10	45,45,45,45	3
87	MG	1	4111	1/1	0.97	0.14	44,44,44,44	1
87	MG	n3	201	1/1	0.97	0.21	31,31,31,31	0
87	MG	1	4112	1/1	0.97	0.08	35,35,35,35	1
88	OHX	1	3910	7/7	0.97	0.10	75,75,75,75	3
88	OHX	5	3984	7/7	0.97	0.11	42,42,42,42	3
88	OHX	1	3911	7/7	0.97	0.11	64,64,64,64	4
87	MG	1	3547	1/1	0.97	0.31	38,38,38,38	0
87	MG	6	1982	1/1	0.97	0.07	61,61,61,61	0
87	MG	1	3441	1/1	0.97	0.07	56,56,56,56	0
88	OHX	2	2075	7/7	0.97	0.13	60,60,60,60	4

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
87	MG	5	3523	1/1	0.97	0.25	38,38,38,38	0
87	MG	5	3436	1/1	0.97	0.27	46,46,46,46	0
87	MG	5	3733	1/1	0.97	0.10	39,39,39,39	0
87	MG	1	3667	1/1	0.97	0.07	38,38,38,38	1
88	OHX	1	3921	7/7	0.97	0.10	73,73,73,73	3
87	MG	5	3735	1/1	0.97	0.21	49,49,49,49	1
87	MG	1	3526	1/1	0.97	0.20	38,38,38,38	0
87	MG	5	3737	1/1	0.97	0.14	51,51,51,51	0
88	OHX	1	3925	7/7	0.97	0.14	56,56,56,56	7
88	OHX	S1	301	7/7	0.97	0.10	117,117,117,117	3
87	MG	1	3645	1/1	0.97	0.23	57,57,57,57	0
87	MG	1	3429	1/1	0.97	0.16	42,42,42,42	0
88	OHX	2	1999	7/7	0.97	0.14	104,104,104,104	2
88	OHX	C1	201	7/7	0.97	0.14	97,97,97,97	5
88	OHX	6	2048	7/7	0.97	0.09	64,64,64,64	2
87	MG	L3	402	1/1	0.97	0.28	58,58,58,58	0
88	OHX	5	4007	7/7	0.97	0.13	35,35,35,35	3
88	OHX	5	4008	7/7	0.97	0.12	40,40,40,40	3
88	OHX	2	2004	7/7	0.97	0.11	112,112,112,112	3
88	OHX	C8	201	7/7	0.97	0.10	106,106,106,106	3
87	MG	Q0	202	1/1	0.97	0.07	56,56,56,56	0
87	MG	5	3581	1/1	0.97	0.30	28,28,28,28	0
88	OHX	6	2055	7/7	0.97	0.09	110,110,110,110	2
88	OHX	7	224	7/7	0.97	0.12	51,51,51,51	4
88	OHX	5	4014	7/7	0.97	0.06	72,72,72,72	4
87	MG	1	3611	1/1	0.97	0.22	59,59,59,59	0
88	OHX	1	3940	7/7	0.97	0.13	47,47,47,47	4
87	MG	7	202	1/1	0.97	0.24	26,26,26,26	0
88	OHX	8	215	7/7	0.97	0.12	59,59,59,59	2
88	OHX	8	216	7/7	0.97	0.11	60,60,60,60	4
88	OHX	1	3807	7/7	0.97	0.14	86,86,86,86	3
88	OHX	1	3808	7/7	0.97	0.10	52,52,52,52	1
88	OHX	1	3946	7/7	0.97	0.07	56,56,56,56	3
87	MG	1	3443	1/1	0.97	0.14	36,36,36,36	0
87	MG	1	3649	1/1	0.97	0.17	45,45,45,45	0
88	OHX	1	3949	7/7	0.97	0.08	37,37,37,37	2
88	OHX	1	3815	7/7	0.97	0.20	51,51,51,51	3
88	OHX	1	3816	7/7	0.97	0.14	66,66,66,66	5
88	OHX	1	3818	7/7	0.97	0.12	106,106,106,106	3
88	OHX	2	2022	7/7	0.97	0.12	78,78,78,78	2
88	OHX	1	3821	7/7	0.97	0.15	83,83,83,83	3
88	OHX	5	4029	7/7	0.97	0.09	49,49,49,49	4

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
87	MG	1	3583	1/1	0.97	0.21	42,42,42,42	0
87	MG	5	3489	1/1	0.97	0.21	40,40,40,40	0
88	OHX	1	3957	7/7	0.97	0.07	48,48,48,48	3
87	MG	1	3529	1/1	0.97	0.17	49,49,49,49	0
88	OHX	l3	402	7/7	0.97	0.11	50,50,50,50	2
88	OHX	6	2076	7/7	0.97	0.11	54,54,54,54	5
88	OHX	5	3826	7/7	0.97	0.11	47,47,47,47	3
88	OHX	1	3830	7/7	0.97	0.15	57,57,57,57	1
87	MG	5	3588	1/1	0.97	0.23	37,37,37,37	0
88	OHX	5	3847	7/7	0.97	0.14	87,87,87,87	3
88	OHX	5	3849	7/7	0.97	0.10	127,127,127,127	2
88	OHX	5	3850	7/7	0.97	0.13	72,72,72,72	1
88	OHX	5	3851	7/7	0.97	0.11	41,41,41,41	3
88	OHX	6	2079	7/7	0.97	0.10	52,52,52,52	4
87	MG	1	3494	1/1	0.97	0.31	51,51,51,51	0
88	OHX	5	3856	7/7	0.97	0.15	60,60,60,60	2
87	MG	1	3653	1/1	0.97	0.06	57,57,57,57	1
88	OHX	n3	202	7/7	0.97	0.09	63,63,63,63	3
88	OHX	5	4046	7/7	0.97	0.12	46,46,46,46	2
88	OHX	o3	201	7/7	0.97	0.14	49,49,49,49	3
87	MG	M3	202	1/1	0.97	0.12	44,44,44,44	0
88	OHX	5	3864	7/7	0.97	0.11	87,87,87,87	3
88	OHX	q2	502	7/7	0.97	0.17	46,46,46,46	3
87	MG	1	3633	1/1	0.97	0.17	52,52,52,52	0
88	OHX	1	3842	7/7	0.97	0.10	109,109,109,109	3
89	ZN	Q2	501	1/1	0.97	0.13	79,79,79,79	0
88	OHX	6	2085	7/7	0.97	0.09	69,69,69,69	2
87	MG	5	3453	1/1	0.97	0.08	38,38,38,38	0
88	OHX	5	3877	7/7	0.97	0.14	54,54,54,54	3
88	OHX	1	3790	7/7	0.98	0.12	77,77,77,77	3
88	OHX	1	3791	7/7	0.98	0.13	58,58,58,58	3
88	OHX	5	3919	7/7	0.98	0.07	53,53,53,53	1
88	OHX	1	3796	7/7	0.98	0.12	77,77,77,77	3
88	OHX	1	3800	7/7	0.98	0.13	91,91,91,91	3
87	MG	5	3649	1/1	0.98	0.09	47,47,47,47	0
87	MG	1	3514	1/1	0.98	0.25	35,35,35,35	0
88	OHX	O7	106	7/7	0.98	0.11	55,55,55,55	3
88	OHX	1	3806	7/7	0.98	0.15	73,73,73,73	2
88	OHX	Q2	503	7/7	0.98	0.09	45,45,45,45	2
88	OHX	6	2021	7/7	0.98	0.11	95,95,95,95	3
88	OHX	5	3928	7/7	0.98	0.11	101,101,101,101	3
88	OHX	6	2027	7/7	0.98	0.10	77,77,77,77	1

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
87	MG	1	3666	1/1	0.98	0.20	66,66,66,66	0
87	MG	5	3723	1/1	0.98	0.28	55,55,55,55	0
88	OHX	6	2033	7/7	0.98	0.12	60,60,60,60	5
88	OHX	1	3895	7/7	0.98	0.12	50,50,50,50	3
88	OHX	6	2036	7/7	0.98	0.09	58,58,58,58	2
88	OHX	6	2037	7/7	0.98	0.08	95,95,95,95	3
88	OHX	6	2038	7/7	0.98	0.10	63,63,63,63	5
88	OHX	1	3809	7/7	0.98	0.13	77,77,77,77	3
88	OHX	6	2040	7/7	0.98	0.09	130,130,130,130	5
88	OHX	5	3940	7/7	0.98	0.12	42,42,42,42	2
88	OHX	5	3941	7/7	0.98	0.07	60,60,60,60	1
88	OHX	6	2041	7/7	0.98	0.16	61,61,61,61	2
87	MG	5	3652	1/1	0.98	0.24	44,44,44,44	0
88	OHX	1	3811	7/7	0.98	0.16	58,58,58,58	3
88	OHX	6	2045	7/7	0.98	0.09	87,87,87,87	5
88	OHX	6	2046	7/7	0.98	0.09	60,60,60,60	3
88	OHX	6	2047	7/7	0.98	0.11	68,68,68,68	4
88	OHX	5	3948	7/7	0.98	0.09	50,50,50,50	3
87	MG	1	3493	1/1	0.98	0.32	30,30,30,30	0
88	OHX	1	3813	7/7	0.98	0.10	54,54,54,54	1
88	OHX	1	3901	7/7	0.98	0.09	63,63,63,63	5
87	MG	1	3737	1/1	0.98	0.26	53,53,53,53	0
88	OHX	2	2029	7/7	0.98	0.08	103,103,103,103	4
88	OHX	6	2053	7/7	0.98	0.08	86,86,86,86	5
87	MG	1	3738	1/1	0.98	0.05	62,62,62,62	0
87	MG	1	3409	1/1	0.98	0.16	37,37,37,37	0
88	OHX	6	2056	7/7	0.98	0.08	75,75,75,75	3
87	MG	5	3765	1/1	0.98	0.18	47,47,47,47	0
88	OHX	6	2058	7/7	0.98	0.09	77,77,77,77	3
88	OHX	1	3822	7/7	0.98	0.12	46,46,46,46	2
87	MG	1	3584	1/1	0.98	0.07	43,43,43,43	0
88	OHX	1	3825	7/7	0.98	0.12	90,90,90,90	3
87	MG	1	3632	1/1	0.98	0.08	41,41,41,41	0
87	MG	1	3686	1/1	0.98	0.11	47,47,47,47	1
87	MG	N0	201	1/1	0.98	0.12	51,51,51,51	0
87	MG	1	3656	1/1	0.98	0.20	44,44,44,44	0
87	MG	5	3593	1/1	0.98	0.25	28,28,28,28	0
88	OHX	5	3968	7/7	0.98	0.09	58,58,58,58	3
88	OHX	1	3833	7/7	0.98	0.09	61,61,61,61	3
88	OHX	2	2086	7/7	0.98	0.09	94,94,94,94	4
88	OHX	1	3836	7/7	0.98	0.11	78,78,78,78	3
88	OHX	1	3837	7/7	0.98	0.12	64,64,64,64	3

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
87	MG	1	3688	1/1	0.98	0.16	39,39,39,39	0
88	OHX	1	3920	7/7	0.98	0.10	44,44,44,44	4
87	MG	1	3644	1/1	0.98	0.25	51,51,51,51	0
88	OHX	1	3840	7/7	0.98	0.09	90,90,90,90	5
88	OHX	1	3841	7/7	0.98	0.10	48,48,48,48	2
87	MG	5	3509	1/1	0.98	0.24	43,43,43,43	0
87	MG	5	3565	1/1	0.98	0.17	34,34,34,34	0
87	MG	1	3658	1/1	0.98	0.08	43,43,43,43	0
88	OHX	5	3982	7/7	0.98	0.10	43,43,43,43	3
87	MG	1	3576	1/1	0.98	0.25	31,31,31,31	0
88	OHX	1	3928	7/7	0.98	0.07	52,52,52,52	3
88	OHX	1	3847	7/7	0.98	0.15	42,42,42,42	2
88	OHX	s1	301	7/7	0.98	0.12	91,91,91,91	2
88	OHX	1	3930	7/7	0.98	0.10	42,42,42,42	4
88	OHX	1	3931	7/7	0.98	0.10	53,53,53,53	4
87	MG	N8	202	1/1	0.98	0.11	44,44,44,44	0
88	OHX	1	3851	7/7	0.98	0.11	42,42,42,42	4
87	MG	5	3513	1/1	0.98	0.15	48,48,48,48	0
87	MG	1	3521	1/1	0.98	0.36	43,43,43,43	0
88	OHX	1	3854	7/7	0.98	0.10	53,53,53,53	3
87	MG	3	220	1/1	0.98	0.09	49,49,49,49	1
87	MG	1	3558	1/1	0.98	0.06	38,38,38,38	0
88	OHX	5	3824	7/7	0.98	0.13	62,62,62,62	2
87	MG	5	3573	1/1	0.98	0.28	41,41,41,41	0
88	OHX	5	3827	7/7	0.98	0.12	40,40,40,40	3
88	OHX	5	3831	7/7	0.98	0.11	54,54,54,54	2
88	OHX	5	3837	7/7	0.98	0.12	74,74,74,74	2
88	OHX	2	1996	7/7	0.98	0.11	99,99,99,99	2
88	OHX	5	3839	7/7	0.98	0.10	53,53,53,53	2
88	OHX	3	209	7/7	0.98	0.10	68,68,68,68	3
88	OHX	5	4004	7/7	0.98	0.12	49,49,49,49	2
88	OHX	5	3841	7/7	0.98	0.10	51,51,51,51	1
88	OHX	5	3842	7/7	0.98	0.12	77,77,77,77	3
88	OHX	5	3844	7/7	0.98	0.10	47,47,47,47	1
88	OHX	5	3845	7/7	0.98	0.16	79,79,79,79	4
88	OHX	5	3846	7/7	0.98	0.10	88,88,88,88	1
88	OHX	1	3941	7/7	0.98	0.09	46,46,46,46	3
88	OHX	5	3848	7/7	0.98	0.13	58,58,58,58	3
87	MG	1	3490	1/1	0.98	0.27	40,40,40,40	0
88	OHX	2	2001	7/7	0.98	0.11	104,104,104,104	2
88	OHX	7	216	7/7	0.98	0.14	71,71,71,71	2
88	OHX	3	213	7/7	0.98	0.08	76,76,76,76	4

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
88	OHX	7	219	7/7	0.98	0.16	44,44,44,44	2
88	OHX	5	3852	7/7	0.98	0.11	75,75,75,75	2
88	OHX	1	3863	7/7	0.98	0.12	69,69,69,69	4
88	OHX	1	3945	7/7	0.98	0.07	52,52,52,52	1
88	OHX	2	2055	7/7	0.98	0.09	83,83,83,83	5
87	MG	1	3712	1/1	0.98	0.12	40,40,40,40	0
88	OHX	5	3860	7/7	0.98	0.10	73,73,73,73	2
87	MG	5	3609	1/1	0.98	0.13	38,38,38,38	0
88	OHX	2	2005	7/7	0.98	0.10	90,90,90,90	3
88	OHX	5	3865	7/7	0.98	0.12	49,49,49,49	2
88	OHX	5	3867	7/7	0.98	0.12	75,75,75,75	1
88	OHX	5	3869	7/7	0.98	0.13	45,45,45,45	3
88	OHX	4	222	7/7	0.98	0.10	57,57,57,57	3
87	MG	5	3576	1/1	0.98	0.16	35,35,35,35	0
87	MG	5	3577	1/1	0.98	0.26	39,39,39,39	0
88	OHX	5	3874	7/7	0.98	0.13	62,62,62,62	3
87	MG	1	3731	1/1	0.98	0.09	47,47,47,47	1
88	OHX	5	3876	7/7	0.98	0.12	54,54,54,54	1
88	OHX	1	3871	7/7	0.98	0.10	50,50,50,50	4
88	OHX	5	3878	7/7	0.98	0.11	44,44,44,44	2
88	OHX	4	227	7/7	0.98	0.12	42,42,42,42	3
88	OHX	5	3880	7/7	0.98	0.12	45,45,45,45	2
88	OHX	5	3882	7/7	0.98	0.10	56,56,56,56	4
88	OHX	5	3884	7/7	0.98	0.16	53,53,53,53	3
88	OHX	5	3886	7/7	0.98	0.12	66,66,66,66	3
88	OHX	1	3872	7/7	0.98	0.08	47,47,47,47	2
88	OHX	5	3888	7/7	0.98	0.12	51,51,51,51	1
88	OHX	13	403	7/7	0.98	0.10	47,47,47,47	2
88	OHX	5	3889	7/7	0.98	0.09	47,47,47,47	3
88	OHX	5	3891	7/7	0.98	0.09	60,60,60,60	3
87	MG	1	3616	1/1	0.98	0.21	44,44,44,44	0
88	OHX	2	2015	7/7	0.98	0.09	81,81,81,81	1
88	OHX	5	3895	7/7	0.98	0.11	47,47,47,47	3
88	OHX	5	3896	7/7	0.98	0.07	106,106,106,106	1
88	OHX	2	2016	7/7	0.98	0.11	87,87,87,87	4
88	OHX	2	2017	7/7	0.98	0.06	118,118,118,118	5
88	OHX	1	3959	7/7	0.98	0.10	51,51,51,51	2
88	OHX	5	3900	7/7	0.98	0.10	39,39,39,39	3
88	OHX	6	2116	7/7	0.98	0.08	62,62,62,62	3
88	OHX	5	3902	7/7	0.98	0.11	39,39,39,39	3
88	OHX	5	3903	7/7	0.98	0.13	55,55,55,55	1
88	OHX	2	2018	7/7	0.98	0.07	83,83,83,83	3

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
87	MG	1	3580	1/1	0.98	0.41	27,27,27,27	0
88	OHX	1	3879	7/7	0.98	0.12	82,82,82,82	3
88	OHX	5	3908	7/7	0.98	0.08	58,58,58,58	2
87	MG	5	3445	1/1	0.98	0.37	38,38,38,38	0
88	OHX	1	3780	7/7	0.98	0.16	72,72,72,72	2
88	OHX	1	3781	7/7	0.98	0.11	92,92,92,92	4
88	OHX	1	3883	7/7	0.98	0.12	48,48,48,48	5
88	OHX	1	3787	7/7	0.98	0.14	70,70,70,70	3
88	OHX	5	3914	7/7	0.98	0.09	54,54,54,54	4
88	OHX	1	3885	7/7	0.98	0.07	51,51,51,51	3
88	OHX	2	2030	7/7	0.99	0.10	71,71,71,71	4
88	OHX	1	3983	7/7	0.99	0.10	52,52,52,52	4
88	OHX	2	2011	7/7	0.99	0.08	80,80,80,80	2
88	OHX	1	3804	7/7	0.99	0.11	74,74,74,74	3
88	OHX	5	3974	7/7	0.99	0.09	49,49,49,49	3
88	OHX	1	3805	7/7	0.99	0.11	60,60,60,60	3
88	OHX	2	2012	7/7	0.99	0.09	80,80,80,80	5
88	OHX	5	3855	7/7	0.99	0.09	59,59,59,59	4
88	OHX	2	1995	7/7	0.99	0.09	90,90,90,90	2
88	OHX	5	3857	7/7	0.99	0.09	52,52,52,52	3
87	MG	1	3569	1/1	0.99	0.34	35,35,35,35	0
88	OHX	5	3859	7/7	0.99	0.10	58,58,58,58	1
88	OHX	2	1997	7/7	0.99	0.08	89,89,89,89	2
88	OHX	2	1998	7/7	0.99	0.09	73,73,73,73	3
88	OHX	5	3862	7/7	0.99	0.07	47,47,47,47	4
88	OHX	5	3863	7/7	0.99	0.09	89,89,89,89	2
87	MG	5	3604	1/1	0.99	0.08	39,39,39,39	0
88	OHX	2	2000	7/7	0.99	0.08	102,102,102,102	3
88	OHX	5	3866	7/7	0.99	0.09	61,61,61,61	2
87	MG	5	3559	1/1	0.99	0.28	31,31,31,31	0
88	OHX	5	3868	7/7	0.99	0.07	77,77,77,77	4
88	OHX	1	3814	7/7	0.99	0.09	76,76,76,76	5
88	OHX	5	3870	7/7	0.99	0.11	48,48,48,48	3
87	MG	5	3714	1/1	0.99	0.07	39,39,39,39	1
88	OHX	4	220	7/7	0.99	0.10	60,60,60,60	3
88	OHX	2	2021	7/7	0.99	0.08	71,71,71,71	4
88	OHX	1	3817	7/7	0.99	0.07	50,50,50,50	4
88	OHX	2	2003	7/7	0.99	0.09	98,98,98,98	2
88	OHX	1	3819	7/7	0.99	0.10	68,68,68,68	3
88	OHX	1	3761	7/7	0.99	0.12	66,66,66,66	2
88	OHX	1	3762	7/7	0.99	0.08	59,59,59,59	2
88	OHX	1	3763	7/7	0.99	0.09	72,72,72,72	2

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
88	OHX	1	3823	7/7	0.99	0.10	57,57,57,57	2
88	OHX	5	3881	7/7	0.99	0.07	51,51,51,51	1
88	OHX	1	3765	7/7	0.99	0.08	59,59,59,59	2
88	OHX	5	3883	7/7	0.99	0.11	54,54,54,54	4
88	OHX	1	3767	7/7	0.99	0.09	68,68,68,68	3
88	OHX	5	3885	7/7	0.99	0.09	42,42,42,42	3
88	OHX	1	3826	7/7	0.99	0.09	52,52,52,52	2
88	OHX	1	3770	7/7	0.99	0.07	71,71,71,71	2
88	OHX	1	3828	7/7	0.99	0.10	65,65,65,65	2
88	OHX	1	3771	7/7	0.99	0.14	68,68,68,68	2
88	OHX	5	3890	7/7	0.99	0.11	56,56,56,56	3
88	OHX	1	3772	7/7	0.99	0.11	51,51,51,51	2
88	OHX	5	3892	7/7	0.99	0.08	45,45,45,45	3
88	OHX	1	3773	7/7	0.99	0.12	63,63,63,63	3
88	OHX	1	3774	7/7	0.99	0.09	63,63,63,63	4
88	OHX	1	3776	7/7	0.99	0.08	72,72,72,72	1
88	OHX	1	3777	7/7	0.99	0.10	74,74,74,74	3
88	OHX	1	3835	7/7	0.99	0.09	60,60,60,60	3
88	OHX	1	3778	7/7	0.99	0.10	69,69,69,69	2
88	OHX	1	3779	7/7	0.99	0.07	82,82,82,82	2
87	MG	1	3740	1/1	0.99	0.26	62,62,62,62	0
87	MG	1	3556	1/1	0.99	0.26	29,29,29,29	0
88	OHX	N1	201	7/7	0.99	0.09	56,56,56,56	2
88	OHX	1	3782	7/7	0.99	0.10	67,67,67,67	3
88	OHX	N9	102	7/7	0.99	0.08	63,63,63,63	1
88	OHX	1	3785	7/7	0.99	0.10	49,49,49,49	3
88	OHX	5	3906	7/7	0.99	0.13	40,40,40,40	2
88	OHX	1	3786	7/7	0.99	0.10	46,46,46,46	2
88	OHX	2	2006	7/7	0.99	0.08	72,72,72,72	4
88	OHX	1	3844	7/7	0.99	0.09	56,56,56,56	3
88	OHX	1	3788	7/7	0.99	0.12	67,67,67,67	3
88	OHX	6	2013	7/7	0.99	0.10	69,69,69,69	1
88	OHX	6	2014	7/7	0.99	0.09	85,85,85,85	2
88	OHX	6	2015	7/7	0.99	0.08	73,73,73,73	2
88	OHX	6	2016	7/7	0.99	0.09	83,83,83,83	4
88	OHX	6	2017	7/7	0.99	0.11	79,79,79,79	5
88	OHX	6	2018	7/7	0.99	0.09	64,64,64,64	3
88	OHX	7	217	7/7	0.99	0.09	61,61,61,61	5
88	OHX	5	3917	7/7	0.99	0.07	41,41,41,41	2
88	OHX	6	2019	7/7	0.99	0.09	87,87,87,87	2
88	OHX	7	220	7/7	0.99	0.07	43,43,43,43	3
88	OHX	7	221	7/7	0.99	0.11	67,67,67,67	2

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
88	OHX	6	2020	7/7	0.99	0.12	77,77,77,77	3
88	OHX	1	3789	7/7	0.99	0.08	70,70,70,70	3
88	OHX	6	2022	7/7	0.99	0.07	66,66,66,66	3
88	OHX	6	2023	7/7	0.99	0.07	73,73,73,73	2
88	OHX	6	2024	7/7	0.99	0.10	83,83,83,83	2
88	OHX	6	2025	7/7	0.99	0.09	98,98,98,98	2
88	OHX	6	2026	7/7	0.99	0.09	69,69,69,69	2
87	MG	5	3413	1/1	0.99	0.09	41,41,41,41	0
88	OHX	6	2028	7/7	0.99	0.10	67,67,67,67	2
88	OHX	1	3848	7/7	0.99	0.07	45,45,45,45	2
88	OHX	5	3794	7/7	0.99	0.09	50,50,50,50	3
88	OHX	6	2030	7/7	0.99	0.07	60,60,60,60	1
88	OHX	6	2031	7/7	0.99	0.10	81,81,81,81	3
88	OHX	5	3804	7/7	0.99	0.09	56,56,56,56	1
88	OHX	5	3805	7/7	0.99	0.11	63,63,63,63	2
88	OHX	5	3806	7/7	0.99	0.08	58,58,58,58	1
88	OHX	5	3935	7/7	0.99	0.11	45,45,45,45	3
88	OHX	5	3810	7/7	0.99	0.08	69,69,69,69	0
88	OHX	5	3811	7/7	0.99	0.10	59,59,59,59	1
88	OHX	5	3812	7/7	0.99	0.09	58,58,58,58	1
88	OHX	5	3813	7/7	0.99	0.07	63,63,63,63	1
88	OHX	5	3814	7/7	0.99	0.12	54,54,54,54	4
88	OHX	5	3815	7/7	0.99	0.07	56,56,56,56	3
88	OHX	5	3816	7/7	0.99	0.09	69,69,69,69	1
88	OHX	5	3818	7/7	0.99	0.09	63,63,63,63	3
88	OHX	5	3820	7/7	0.99	0.07	65,65,65,65	4
88	OHX	5	3821	7/7	0.99	0.12	69,69,69,69	1
88	OHX	5	3822	7/7	0.99	0.07	49,49,49,49	1
88	OHX	2	2008	7/7	0.99	0.09	89,89,89,89	3
88	OHX	5	3825	7/7	0.99	0.09	62,62,62,62	3
88	OHX	1	3850	7/7	0.99	0.10	57,57,57,57	3
88	OHX	6	2034	7/7	0.99	0.07	70,70,70,70	3
88	OHX	5	3829	7/7	0.99	0.10	56,56,56,56	2
88	OHX	5	3830	7/7	0.99	0.09	95,95,95,95	2
88	OHX	1	3793	7/7	0.99	0.09	62,62,62,62	1
88	OHX	5	3833	7/7	0.99	0.11	52,52,52,52	2
88	OHX	5	3834	7/7	0.99	0.07	52,52,52,52	5
88	OHX	5	3835	7/7	0.99	0.09	55,55,55,55	3
88	OHX	5	3836	7/7	0.99	0.07	78,78,78,78	3
88	OHX	1	3794	7/7	0.99	0.10	65,65,65,65	3
88	OHX	1	3795	7/7	0.99	0.10	51,51,51,51	3
88	OHX	n9	103	7/7	0.99	0.08	59,59,59,59	3

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
88	OHX	2	2009	7/7	0.99	0.09	86,86,86,86	5
88	OHX	o7	502	7/7	0.99	0.08	57,57,57,57	1
88	OHX	1	3797	7/7	0.99	0.07	55,55,55,55	2
88	OHX	1	3798	7/7	0.99	0.10	71,71,71,71	1
88	OHX	1	3857	7/7	0.99	0.12	38,38,38,38	3
89	ZN	D6	500	1/1	0.99	0.03	89,89,89,89	0
88	OHX	5	3843	7/7	0.99	0.06	47,47,47,47	3
89	ZN	D9	101	1/1	0.99	0.03	86,86,86,86	0
88	OHX	6	2042	7/7	0.99	0.09	66,66,66,66	2
88	OHX	1	3799	7/7	0.99	0.11	61,61,61,61	1
89	ZN	d6	101	1/1	0.99	0.03	71,71,71,71	0
88	OHX	2	1994	7/7	0.99	0.11	85,85,85,85	0
89	ZN	d9	101	1/1	0.99	0.03	89,89,89,89	0
88	OHX	1	3860	7/7	0.99	0.11	40,40,40,40	2
88	OHX	1	3801	7/7	0.99	0.08	55,55,55,55	2
89	ZN	q3	501	1/1	0.99	0.03	63,63,63,63	0
88	OHX	5	3803	7/7	1.00	0.06	60,60,60,60	2
88	OHX	1	3766	7/7	1.00	0.07	55,55,55,55	1
88	OHX	1	3759	7/7	1.00	0.08	55,55,55,55	2
88	OHX	1	3792	7/7	1.00	0.06	54,54,54,54	2
88	OHX	5	3807	7/7	1.00	0.07	49,49,49,49	2
88	OHX	5	3808	7/7	1.00	0.08	71,71,71,71	2
88	OHX	5	3809	7/7	1.00	0.07	54,54,54,54	2
88	OHX	1	3768	7/7	1.00	0.06	63,63,63,63	5
88	OHX	1	3769	7/7	1.00	0.07	64,64,64,64	4
88	OHX	8	213	7/7	1.00	0.09	58,58,58,58	2
88	OHX	1	3760	7/7	1.00	0.08	64,64,64,64	3
87	MG	f	1001	1/1	1.00	0.27	42,42,42,42	0
88	OHX	1	3783	7/7	1.00	0.05	57,57,57,57	2
88	OHX	4	221	7/7	1.00	0.08	64,64,64,64	3
88	OHX	1	3784	7/7	1.00	0.07	74,74,74,74	2
88	OHX	5	3817	7/7	1.00	0.06	66,66,66,66	1
87	MG	f	1002	1/1	1.00	0.10	58,58,58,58	0
88	OHX	5	3819	7/7	1.00	0.06	65,65,65,65	2
88	OHX	1	3757	7/7	1.00	0.06	56,56,56,56	1
88	OHX	1	3764	7/7	1.00	0.07	54,54,54,54	3
88	OHX	1	3775	7/7	1.00	0.08	49,49,49,49	3
88	OHX	5	3823	7/7	1.00	0.07	43,43,43,43	1
88	OHX	1	3758	7/7	1.00	0.08	61,61,61,61	1
88	OHX	5	3797	7/7	1.00	0.09	55,55,55,55	3
89	ZN	O7	101	1/1	1.00	0.02	49,49,49,49	0
89	ZN	Q0	201	1/1	1.00	0.02	49,49,49,49	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
88	OHX	5	3798	7/7	1.00	0.08	58,58,58,58	2
89	ZN	Q3	501	1/1	1.00	0.02	74,74,74,74	0
88	OHX	5	3799	7/7	1.00	0.08	54,54,54,54	2
88	OHX	5	3828	7/7	1.00	0.06	49,49,49,49	2
88	OHX	5	3800	7/7	1.00	0.09	57,57,57,57	4
88	OHX	5	3801	7/7	1.00	0.08	63,63,63,63	2
89	ZN	o7	501	1/1	1.00	0.01	48,48,48,48	0
89	ZN	q0	201	1/1	1.00	0.02	45,45,45,45	0
88	OHX	5	3802	7/7	1.00	0.08	62,62,62,62	3
88	OHX	5	3832	7/7	1.00	0.07	55,55,55,55	2

5.5 Other polymers [i](#)

There are no such residues in this entry.