



Full wwPDB EM Validation Report ⓘ

Apr 8, 2026 – 10:10 PM UTC

PDB ID : 9MJN / pdb_00009mjn
EMDB ID : EMD-48317
Title : Near complete virion structure of bacteriophage PhiTE
Authors : Hodgkinson-Bean, J.; Ayala, R.
Deposited on : 2024-12-16
Resolution : 12.70 Å(reported)

This is a Full wwPDB EM 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/EMValidationReportHelp>

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:

EMDB validation analysis	:	0.0.1.dev132
MolProbity	:	FAILED
Percentile statistics	:	20250101.v01 (using entries in the PDB archive January 1st 2025)
EM percentile statistics	:	NOT EXECUTED
MapQ	:	1.9.13
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:

ELECTRON MICROSCOPY

The reported resolution of this entry is 12.70 Å.

There are no overall percentile quality scores available for this entry.

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

2 Entry composition [i](#)

There are 18 unique types of molecules in this entry. The entry contains 3819839 atoms, of which 0 are hydrogens and 0 are deuteriums.

In the tables below, 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 protein called Portal protein.

Mol	Chain	Residues	Atoms					AltConf	Trace
1	A	392	Total 3034	C 1921	N 516	O 579	S 18	0	0
1	B	392	Total 3034	C 1921	N 516	O 579	S 18	0	0
1	K	392	Total 3034	C 1921	N 516	O 579	S 18	0	0
1	L	392	Total 3034	C 1921	N 516	O 579	S 18	0	0
1	U	392	Total 3034	C 1921	N 516	O 579	S 18	0	0
1	V	392	Total 3034	C 1921	N 516	O 579	S 18	0	0
1	e	392	Total 3034	C 1921	N 516	O 579	S 18	0	0
1	f	392	Total 3034	C 1921	N 516	O 579	S 18	0	0
1	o	392	Total 3034	C 1921	N 516	O 579	S 18	0	0
1	p	392	Total 3034	C 1921	N 516	O 579	S 18	0	0
1	y	392	Total 3034	C 1921	N 516	O 579	S 18	0	0
1	z	392	Total 3034	C 1921	N 516	O 579	S 18	0	0

- Molecule 2 is a protein called PhiTE adaptor protein.

Mol	Chain	Residues	Atoms					AltConf	Trace
2	C	160	Total 1298	C 840	N 209	O 246	S 3	0	0
2	D	160	Total 1298	C 840	N 209	O 246	S 3	0	0
2	1	160	Total 1298	C 840	N 209	O 246	S 3	0	0

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Mol	Chain	Residues	Atoms					AltConf	Trace
2	2	160	Total	C	N	O	S	0	0
			1298	840	209	246	3		
2	M	160	Total	C	N	O	S	0	0
			1298	840	209	246	3		
2	N	160	Total	C	N	O	S	0	0
			1298	840	209	246	3		
2	W	160	Total	C	N	O	S	0	0
			1298	840	209	246	3		
2	X	160	Total	C	N	O	S	0	0
			1298	840	209	246	3		
2	g	160	Total	C	N	O	S	0	0
			1298	840	209	246	3		
2	h	160	Total	C	N	O	S	0	0
			1298	840	209	246	3		
2	q	160	Total	C	N	O	S	0	0
			1298	840	209	246	3		
2	r	160	Total	C	N	O	S	0	0
			1298	840	209	246	3		

- Molecule 3 is a protein called PhiTE head completion protein.

Mol	Chain	Residues	Atoms					AltConf	Trace
3	E	142	Total	C	N	O	S	0	0
			1130	710	196	217	7		
3	3	142	Total	C	N	O	S	0	0
			1130	710	196	217	7		
3	O	142	Total	C	N	O	S	0	0
			1130	710	196	217	7		
3	Y	142	Total	C	N	O	S	0	0
			1130	710	196	217	7		
3	i	142	Total	C	N	O	S	0	0
			1130	710	196	217	7		
3	s	142	Total	C	N	O	S	0	0
			1130	710	196	217	7		

- Molecule 4 is a protein called PhiTE tail terminator protein.

Mol	Chain	Residues	Atoms					AltConf	Trace
4	F	215	Total	C	N	O	S	0	0
			1661	1062	274	319	6		
4	4	215	Total	C	N	O	S	0	0
			1661	1062	274	319	6		

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Mol	Chain	Residues	Atoms					AltConf	Trace
4	P	215	Total	C	N	O	S	0	0
			1661	1062	274	319	6		
4	Z	215	Total	C	N	O	S	0	0
			1661	1062	274	319	6		
4	j	215	Total	C	N	O	S	0	0
			1661	1062	274	319	6		
4	t	215	Total	C	N	O	S	0	0
			1661	1062	274	319	6		

- Molecule 5 is a protein called Structural protein.

Mol	Chain	Residues	Atoms					AltConf	Trace
5	G	141	Total	C	N	O	S	0	0
			1079	680	186	211	2		
5	H	147	Total	C	N	O	S	0	0
			1124	707	195	220	2		
5	0	154	Total	C	N	O	S	0	0
			1165	733	202	228	2		
5	5	141	Total	C	N	O	S	0	0
			1079	680	186	211	2		
5	6	147	Total	C	N	O	S	0	0
			1124	707	195	220	2		
5	A0	154	Total	C	N	O	S	0	0
			1165	733	202	228	2		
5	A2	154	Total	C	N	O	S	0	0
			1165	733	202	228	2		
5	A4	154	Total	C	N	O	S	0	0
			1165	733	202	228	2		
5	A6	154	Total	C	N	O	S	0	0
			1165	733	202	228	2		
5	A8	154	Total	C	N	O	S	0	0
			1165	733	202	228	2		
5	AB	154	Total	C	N	O	S	0	0
			1165	733	202	228	2		
5	AD	154	Total	C	N	O	S	0	0
			1165	733	202	228	2		
5	AF	154	Total	C	N	O	S	0	0
			1165	733	202	228	2		
5	AH	154	Total	C	N	O	S	0	0
			1165	733	202	228	2		
5	AJ	154	Total	C	N	O	S	0	0
			1165	733	202	228	2		

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Mol	Chain	Residues	Atoms					AltConf	Trace
5	AL	154	Total 1165	C 733	N 202	O 228	S 2	0	0
5	AN	154	Total 1165	C 733	N 202	O 228	S 2	0	0
5	AP	154	Total 1165	C 733	N 202	O 228	S 2	0	0
5	AR	154	Total 1165	C 733	N 202	O 228	S 2	0	0
5	AT	154	Total 1165	C 733	N 202	O 228	S 2	0	0
5	AV	154	Total 1165	C 733	N 202	O 228	S 2	0	0
5	AX	154	Total 1165	C 733	N 202	O 228	S 2	0	0
5	AZ	154	Total 1165	C 733	N 202	O 228	S 2	0	0
5	Ab	154	Total 1165	C 733	N 202	O 228	S 2	0	0
5	Ad	154	Total 1165	C 733	N 202	O 228	S 2	0	0
5	Af	154	Total 1165	C 733	N 202	O 228	S 2	0	0
5	Ah	154	Total 1165	C 733	N 202	O 228	S 2	0	0
5	Aj	154	Total 1165	C 733	N 202	O 228	S 2	0	0
5	Al	154	Total 1165	C 733	N 202	O 228	S 2	0	0
5	An	154	Total 1165	C 733	N 202	O 228	S 2	0	0
5	Ap	154	Total 1165	C 733	N 202	O 228	S 2	0	0
5	Ar	154	Total 1165	C 733	N 202	O 228	S 2	0	0
5	At	154	Total 1165	C 733	N 202	O 228	S 2	0	0
5	Av	154	Total 1165	C 733	N 202	O 228	S 2	0	0
5	Ax	154	Total 1165	C 733	N 202	O 228	S 2	0	0
5	Az	154	Total 1165	C 733	N 202	O 228	S 2	0	0

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Mol	Chain	Residues	Atoms					AltConf	Trace
5	B0	154	Total 1165	C 733	N 202	O 228	S 2	0	0
5	B2	154	Total 1165	C 733	N 202	O 228	S 2	0	0
5	B4	154	Total 1165	C 733	N 202	O 228	S 2	0	0
5	B6	154	Total 1165	C 733	N 202	O 228	S 2	0	0
5	B8	154	Total 1165	C 733	N 202	O 228	S 2	0	0
5	BB	154	Total 1165	C 733	N 202	O 228	S 2	0	0
5	BD	154	Total 1165	C 733	N 202	O 228	S 2	0	0
5	BF	154	Total 1165	C 733	N 202	O 228	S 2	0	0
5	BH	154	Total 1165	C 733	N 202	O 228	S 2	0	0
5	BJ	154	Total 1165	C 733	N 202	O 228	S 2	0	0
5	BL	154	Total 1165	C 733	N 202	O 228	S 2	0	0
5	BN	154	Total 1165	C 733	N 202	O 228	S 2	0	0
5	BP	154	Total 1165	C 733	N 202	O 228	S 2	0	0
5	BR	154	Total 1165	C 733	N 202	O 228	S 2	0	0
5	BT	154	Total 1165	C 733	N 202	O 228	S 2	0	0
5	BV	154	Total 1165	C 733	N 202	O 228	S 2	0	0
5	BX	154	Total 1165	C 733	N 202	O 228	S 2	0	0
5	BZ	154	Total 1165	C 733	N 202	O 228	S 2	0	0
5	Bb	154	Total 1165	C 733	N 202	O 228	S 2	0	0
5	Bd	154	Total 1165	C 733	N 202	O 228	S 2	0	0
5	Bf	154	Total 1165	C 733	N 202	O 228	S 2	0	0

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Mol	Chain	Residues	Atoms					AltConf	Trace
5	Bh	154	Total 1165	C 733	N 202	O 228	S 2	0	0
5	Bj	154	Total 1165	C 733	N 202	O 228	S 2	0	0
5	Bl	154	Total 1165	C 733	N 202	O 228	S 2	0	0
5	Bn	154	Total 1165	C 733	N 202	O 228	S 2	0	0
5	Bp	154	Total 1165	C 733	N 202	O 228	S 2	0	0
5	Br	154	Total 1165	C 733	N 202	O 228	S 2	0	0
5	Bt	154	Total 1165	C 733	N 202	O 228	S 2	0	0
5	Bv	154	Total 1165	C 733	N 202	O 228	S 2	0	0
5	Bx	154	Total 1165	C 733	N 202	O 228	S 2	0	0
5	Bz	154	Total 1165	C 733	N 202	O 228	S 2	0	0
5	C0	154	Total 1165	C 733	N 202	O 228	S 2	0	0
5	C2	154	Total 1165	C 733	N 202	O 228	S 2	0	0
5	C4	154	Total 1165	C 733	N 202	O 228	S 2	0	0
5	C6	154	Total 1165	C 733	N 202	O 228	S 2	0	0
5	C8	154	Total 1165	C 733	N 202	O 228	S 2	0	0
5	CB	154	Total 1165	C 733	N 202	O 228	S 2	0	0
5	CD	154	Total 1165	C 733	N 202	O 228	S 2	0	0
5	CF	154	Total 1165	C 733	N 202	O 228	S 2	0	0
5	CH	154	Total 1165	C 733	N 202	O 228	S 2	0	0
5	CJ	154	Total 1165	C 733	N 202	O 228	S 2	0	0
5	CL	154	Total 1165	C 733	N 202	O 228	S 2	0	0

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Mol	Chain	Residues	Atoms					AltConf	Trace
5	CN	154	Total 1165	C 733	N 202	O 228	S 2	0	0
5	CP	154	Total 1165	C 733	N 202	O 228	S 2	0	0
5	CR	154	Total 1165	C 733	N 202	O 228	S 2	0	0
5	CT	154	Total 1165	C 733	N 202	O 228	S 2	0	0
5	CV	154	Total 1165	C 733	N 202	O 228	S 2	0	0
5	CX	154	Total 1165	C 733	N 202	O 228	S 2	0	0
5	CZ	154	Total 1165	C 733	N 202	O 228	S 2	0	0
5	Cb	154	Total 1165	C 733	N 202	O 228	S 2	0	0
5	Cd	154	Total 1165	C 733	N 202	O 228	S 2	0	0
5	Cf	154	Total 1165	C 733	N 202	O 228	S 2	0	0
5	Ch	154	Total 1165	C 733	N 202	O 228	S 2	0	0
5	Cj	154	Total 1165	C 733	N 202	O 228	S 2	0	0
5	Cl	154	Total 1165	C 733	N 202	O 228	S 2	0	0
5	Cn	154	Total 1165	C 733	N 202	O 228	S 2	0	0
5	Cp	154	Total 1165	C 733	N 202	O 228	S 2	0	0
5	Cr	154	Total 1165	C 733	N 202	O 228	S 2	0	0
5	Ct	154	Total 1165	C 733	N 202	O 228	S 2	0	0
5	Cv	154	Total 1165	C 733	N 202	O 228	S 2	0	0
5	Cx	154	Total 1165	C 733	N 202	O 228	S 2	0	0
5	Cz	154	Total 1165	C 733	N 202	O 228	S 2	0	0
5	D0	154	Total 1165	C 733	N 202	O 228	S 2	0	0

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Mol	Chain	Residues	Atoms					AltConf	Trace
5	D2	154	Total 1165	C 733	N 202	O 228	S 2	0	0
5	D4	154	Total 1165	C 733	N 202	O 228	S 2	0	0
5	D6	154	Total 1165	C 733	N 202	O 228	S 2	0	0
5	D8	154	Total 1165	C 733	N 202	O 228	S 2	0	0
5	DB	154	Total 1165	C 733	N 202	O 228	S 2	0	0
5	DD	154	Total 1165	C 733	N 202	O 228	S 2	0	0
5	DF	154	Total 1165	C 733	N 202	O 228	S 2	0	0
5	DH	154	Total 1165	C 733	N 202	O 228	S 2	0	0
5	DJ	154	Total 1165	C 733	N 202	O 228	S 2	0	0
5	DL	154	Total 1165	C 733	N 202	O 228	S 2	0	0
5	DN	154	Total 1165	C 733	N 202	O 228	S 2	0	0
5	DP	154	Total 1165	C 733	N 202	O 228	S 2	0	0
5	DR	154	Total 1165	C 733	N 202	O 228	S 2	0	0
5	DT	154	Total 1165	C 733	N 202	O 228	S 2	0	0
5	DV	154	Total 1165	C 733	N 202	O 228	S 2	0	0
5	DX	154	Total 1165	C 733	N 202	O 228	S 2	0	0
5	DZ	154	Total 1165	C 733	N 202	O 228	S 2	0	0
5	Db	154	Total 1165	C 733	N 202	O 228	S 2	0	0
5	Dd	154	Total 1165	C 733	N 202	O 228	S 2	0	0
5	Df	154	Total 1165	C 733	N 202	O 228	S 2	0	0
5	Dh	154	Total 1165	C 733	N 202	O 228	S 2	0	0

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Mol	Chain	Residues	Atoms					AltConf	Trace
5	Dj	154	Total	C	N	O	S	0	0
			1165	733	202	228	2		
5	DI	154	Total	C	N	O	S	0	0
			1165	733	202	228	2		
5	Dn	154	Total	C	N	O	S	0	0
			1165	733	202	228	2		
5	Dp	154	Total	C	N	O	S	0	0
			1165	733	202	228	2		
5	Dr	154	Total	C	N	O	S	0	0
			1165	733	202	228	2		
5	Dt	154	Total	C	N	O	S	0	0
			1165	733	202	228	2		
5	Dv	154	Total	C	N	O	S	0	0
			1165	733	202	228	2		
5	Dx	154	Total	C	N	O	S	0	0
			1165	733	202	228	2		
5	Dz	154	Total	C	N	O	S	0	0
			1165	733	202	228	2		
5	EB	154	Total	C	N	O	S	0	0
			1165	733	202	228	2		
5	ED	154	Total	C	N	O	S	0	0
			1165	733	202	228	2		
5	EF	154	Total	C	N	O	S	0	0
			1165	733	202	228	2		
5	EH	154	Total	C	N	O	S	0	0
			1165	733	202	228	2		
5	EJ	154	Total	C	N	O	S	0	0
			1165	733	202	228	2		
5	EL	154	Total	C	N	O	S	0	0
			1165	733	202	228	2		
5	EN	154	Total	C	N	O	S	0	0
			1165	733	202	228	2		
5	Q	141	Total	C	N	O	S	0	0
			1079	680	186	211	2		
5	R	147	Total	C	N	O	S	0	0
			1124	707	195	220	2		
5	a	141	Total	C	N	O	S	0	0
			1079	680	186	211	2		
5	b	147	Total	C	N	O	S	0	0
			1124	707	195	220	2		
5	d8	154	Total	C	N	O	S	0	0
			1165	733	202	228	2		

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Mol	Chain	Residues	Atoms					AltConf	Trace
5	dZ	154	Total	C	N	O	S	0	0
			1171	739	202	228	2		
5	da	154	Total	C	N	O	S	0	0
			1171	739	202	228	2		
5	db	156	Total	C	N	O	S	0	0
			1180	744	204	230	2		
5	dc	156	Total	C	N	O	S	0	0
			1180	744	204	230	2		
5	ds	154	Total	C	N	O	S	0	0
			1165	733	202	228	2		
5	e4	154	Total	C	N	O	S	0	0
			1165	733	202	228	2		
5	e9	154	Total	C	N	O	S	0	0
			1165	733	202	228	2		
5	eG	154	Total	C	N	O	S	0	0
			1171	739	202	228	2		
5	eH	154	Total	C	N	O	S	0	0
			1171	739	202	228	2		
5	eI	156	Total	C	N	O	S	0	0
			1180	744	204	230	2		
5	eJ	156	Total	C	N	O	S	0	0
			1180	744	204	230	2		
5	eQ	154	Total	C	N	O	S	0	0
			1165	733	202	228	2		
5	eV	154	Total	C	N	O	S	0	0
			1165	733	202	228	2		
5	et	154	Total	C	N	O	S	0	0
			1171	739	202	228	2		
5	eu	154	Total	C	N	O	S	0	0
			1171	739	202	228	2		
5	ev	156	Total	C	N	O	S	0	0
			1180	744	204	230	2		
5	ew	156	Total	C	N	O	S	0	0
			1180	744	204	230	2		
5	k	141	Total	C	N	O	S	0	0
			1079	680	186	211	2		
5	l	147	Total	C	N	O	S	0	0
			1124	707	195	220	2		
5	u	141	Total	C	N	O	S	0	0
			1079	680	186	211	2		
5	v	147	Total	C	N	O	S	0	0
			1124	707	195	220	2		

- Molecule 6 is a protein called Tail sheath protein.

Mol	Chain	Residues	Atoms					AltConf	Trace
6	I	437	Total	C	N	O	S	0	0
			3275	2065	559	638	13		
6	J	436	Total	C	N	O	S	0	0
			3263	2061	557	631	14		
6	7	437	Total	C	N	O	S	0	0
			3275	2065	559	638	13		
6	8	436	Total	C	N	O	S	0	0
			3263	2061	557	631	14		
6	9	464	Total	C	N	O	S	0	0
			3445	2169	589	673	14		
6	A1	464	Total	C	N	O	S	0	0
			3445	2169	589	673	14		
6	A3	464	Total	C	N	O	S	0	0
			3445	2169	589	673	14		
6	A5	464	Total	C	N	O	S	0	0
			3445	2169	589	673	14		
6	A7	464	Total	C	N	O	S	0	0
			3445	2169	589	673	14		
6	A9	464	Total	C	N	O	S	0	0
			3445	2169	589	673	14		
6	AA	464	Total	C	N	O	S	0	0
			3445	2169	589	673	14		
6	AC	464	Total	C	N	O	S	0	0
			3445	2169	589	673	14		
6	AE	464	Total	C	N	O	S	0	0
			3445	2169	589	673	14		
6	AG	464	Total	C	N	O	S	0	0
			3445	2169	589	673	14		
6	AI	464	Total	C	N	O	S	0	0
			3445	2169	589	673	14		
6	AK	464	Total	C	N	O	S	0	0
			3445	2169	589	673	14		
6	AM	464	Total	C	N	O	S	0	0
			3445	2169	589	673	14		
6	AO	464	Total	C	N	O	S	0	0
			3445	2169	589	673	14		
6	AQ	464	Total	C	N	O	S	0	0
			3445	2169	589	673	14		
6	AS	464	Total	C	N	O	S	0	0
			3445	2169	589	673	14		
6	AU	464	Total	C	N	O	S	0	0
			3445	2169	589	673	14		

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Mol	Chain	Residues	Atoms					AltConf	Trace
6	AW	464	Total 3445	C 2169	N 589	O 673	S 14	0	0
6	AY	464	Total 3445	C 2169	N 589	O 673	S 14	0	0
6	Aa	464	Total 3445	C 2169	N 589	O 673	S 14	0	0
6	Ac	464	Total 3445	C 2169	N 589	O 673	S 14	0	0
6	Ae	464	Total 3445	C 2169	N 589	O 673	S 14	0	0
6	Ag	464	Total 3445	C 2169	N 589	O 673	S 14	0	0
6	Ai	464	Total 3445	C 2169	N 589	O 673	S 14	0	0
6	Ak	464	Total 3445	C 2169	N 589	O 673	S 14	0	0
6	Am	464	Total 3445	C 2169	N 589	O 673	S 14	0	0
6	Ao	464	Total 3445	C 2169	N 589	O 673	S 14	0	0
6	Aq	464	Total 3445	C 2169	N 589	O 673	S 14	0	0
6	As	464	Total 3445	C 2169	N 589	O 673	S 14	0	0
6	Au	464	Total 3445	C 2169	N 589	O 673	S 14	0	0
6	Aw	464	Total 3445	C 2169	N 589	O 673	S 14	0	0
6	Ay	464	Total 3445	C 2169	N 589	O 673	S 14	0	0
6	B1	464	Total 3445	C 2169	N 589	O 673	S 14	0	0
6	B3	464	Total 3445	C 2169	N 589	O 673	S 14	0	0
6	B5	464	Total 3445	C 2169	N 589	O 673	S 14	0	0
6	B7	464	Total 3445	C 2169	N 589	O 673	S 14	0	0
6	B9	464	Total 3445	C 2169	N 589	O 673	S 14	0	0
6	BA	464	Total 3445	C 2169	N 589	O 673	S 14	0	0

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Mol	Chain	Residues	Atoms					AltConf	Trace
6	BC	464	Total 3445	C 2169	N 589	O 673	S 14	0	0
6	BE	464	Total 3445	C 2169	N 589	O 673	S 14	0	0
6	BG	464	Total 3445	C 2169	N 589	O 673	S 14	0	0
6	BI	464	Total 3445	C 2169	N 589	O 673	S 14	0	0
6	BK	464	Total 3445	C 2169	N 589	O 673	S 14	0	0
6	BM	464	Total 3445	C 2169	N 589	O 673	S 14	0	0
6	BO	464	Total 3445	C 2169	N 589	O 673	S 14	0	0
6	BQ	464	Total 3445	C 2169	N 589	O 673	S 14	0	0
6	BS	464	Total 3445	C 2169	N 589	O 673	S 14	0	0
6	BU	464	Total 3445	C 2169	N 589	O 673	S 14	0	0
6	BW	464	Total 3445	C 2169	N 589	O 673	S 14	0	0
6	BY	464	Total 3445	C 2169	N 589	O 673	S 14	0	0
6	Ba	464	Total 3445	C 2169	N 589	O 673	S 14	0	0
6	Bc	464	Total 3445	C 2169	N 589	O 673	S 14	0	0
6	Be	464	Total 3445	C 2169	N 589	O 673	S 14	0	0
6	Bg	464	Total 3445	C 2169	N 589	O 673	S 14	0	0
6	Bi	464	Total 3445	C 2169	N 589	O 673	S 14	0	0
6	Bk	464	Total 3445	C 2169	N 589	O 673	S 14	0	0
6	Bm	464	Total 3445	C 2169	N 589	O 673	S 14	0	0
6	Bo	464	Total 3445	C 2169	N 589	O 673	S 14	0	0
6	Bq	464	Total 3445	C 2169	N 589	O 673	S 14	0	0

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Mol	Chain	Residues	Atoms					AltConf	Trace
6	Bs	464	Total 3445	C 2169	N 589	O 673	S 14	0	0
6	Bu	464	Total 3445	C 2169	N 589	O 673	S 14	0	0
6	Bw	464	Total 3445	C 2169	N 589	O 673	S 14	0	0
6	By	464	Total 3445	C 2169	N 589	O 673	S 14	0	0
6	C1	464	Total 3445	C 2169	N 589	O 673	S 14	0	0
6	C3	464	Total 3445	C 2169	N 589	O 673	S 14	0	0
6	C5	464	Total 3445	C 2169	N 589	O 673	S 14	0	0
6	C7	464	Total 3445	C 2169	N 589	O 673	S 14	0	0
6	C9	464	Total 3445	C 2169	N 589	O 673	S 14	0	0
6	CA	464	Total 3445	C 2169	N 589	O 673	S 14	0	0
6	CC	464	Total 3445	C 2169	N 589	O 673	S 14	0	0
6	CE	464	Total 3445	C 2169	N 589	O 673	S 14	0	0
6	CG	464	Total 3445	C 2169	N 589	O 673	S 14	0	0
6	CI	464	Total 3445	C 2169	N 589	O 673	S 14	0	0
6	CK	464	Total 3445	C 2169	N 589	O 673	S 14	0	0
6	CM	464	Total 3445	C 2169	N 589	O 673	S 14	0	0
6	CO	464	Total 3445	C 2169	N 589	O 673	S 14	0	0
6	CQ	464	Total 3445	C 2169	N 589	O 673	S 14	0	0
6	CS	464	Total 3445	C 2169	N 589	O 673	S 14	0	0
6	CU	464	Total 3445	C 2169	N 589	O 673	S 14	0	0
6	CW	464	Total 3445	C 2169	N 589	O 673	S 14	0	0

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Mol	Chain	Residues	Atoms					AltConf	Trace
6	CY	464	Total 3445	C 2169	N 589	O 673	S 14	0	0
6	Ca	464	Total 3445	C 2169	N 589	O 673	S 14	0	0
6	Cc	464	Total 3445	C 2169	N 589	O 673	S 14	0	0
6	Ce	464	Total 3445	C 2169	N 589	O 673	S 14	0	0
6	Cg	464	Total 3445	C 2169	N 589	O 673	S 14	0	0
6	Ci	464	Total 3445	C 2169	N 589	O 673	S 14	0	0
6	Ck	464	Total 3445	C 2169	N 589	O 673	S 14	0	0
6	Cm	464	Total 3445	C 2169	N 589	O 673	S 14	0	0
6	Co	464	Total 3445	C 2169	N 589	O 673	S 14	0	0
6	Cq	464	Total 3445	C 2169	N 589	O 673	S 14	0	0
6	Cs	464	Total 3445	C 2169	N 589	O 673	S 14	0	0
6	Cu	464	Total 3445	C 2169	N 589	O 673	S 14	0	0
6	Cw	464	Total 3445	C 2169	N 589	O 673	S 14	0	0
6	Cy	464	Total 3445	C 2169	N 589	O 673	S 14	0	0
6	D1	464	Total 3445	C 2169	N 589	O 673	S 14	0	0
6	D3	464	Total 3445	C 2169	N 589	O 673	S 14	0	0
6	D5	464	Total 3445	C 2169	N 589	O 673	S 14	0	0
6	D7	464	Total 3445	C 2169	N 589	O 673	S 14	0	0
6	D9	464	Total 3445	C 2169	N 589	O 673	S 14	0	0
6	DA	464	Total 3445	C 2169	N 589	O 673	S 14	0	0
6	DC	464	Total 3445	C 2169	N 589	O 673	S 14	0	0

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Mol	Chain	Residues	Atoms					AltConf	Trace
6	DE	464	Total 3445	C 2169	N 589	O 673	S 14	0	0
6	DG	464	Total 3445	C 2169	N 589	O 673	S 14	0	0
6	DI	464	Total 3445	C 2169	N 589	O 673	S 14	0	0
6	DK	464	Total 3445	C 2169	N 589	O 673	S 14	0	0
6	DM	464	Total 3445	C 2169	N 589	O 673	S 14	0	0
6	DO	464	Total 3445	C 2169	N 589	O 673	S 14	0	0
6	DQ	464	Total 3445	C 2169	N 589	O 673	S 14	0	0
6	DS	464	Total 3445	C 2169	N 589	O 673	S 14	0	0
6	DU	464	Total 3445	C 2169	N 589	O 673	S 14	0	0
6	DW	464	Total 3445	C 2169	N 589	O 673	S 14	0	0
6	DY	464	Total 3445	C 2169	N 589	O 673	S 14	0	0
6	Da	464	Total 3445	C 2169	N 589	O 673	S 14	0	0
6	Dc	464	Total 3445	C 2169	N 589	O 673	S 14	0	0
6	De	464	Total 3445	C 2169	N 589	O 673	S 14	0	0
6	Dg	464	Total 3445	C 2169	N 589	O 673	S 14	0	0
6	Di	464	Total 3445	C 2169	N 589	O 673	S 14	0	0
6	Dk	464	Total 3445	C 2169	N 589	O 673	S 14	0	0
6	Dm	464	Total 3445	C 2169	N 589	O 673	S 14	0	0
6	Do	464	Total 3445	C 2169	N 589	O 673	S 14	0	0
6	Dq	464	Total 3445	C 2169	N 589	O 673	S 14	0	0
6	Ds	464	Total 3445	C 2169	N 589	O 673	S 14	0	0

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Mol	Chain	Residues	Atoms					AltConf	Trace
6	Du	464	Total 3445	C 2169	N 589	O 673	S 14	0	0
6	Dw	464	Total 3445	C 2169	N 589	O 673	S 14	0	0
6	Dy	464	Total 3445	C 2169	N 589	O 673	S 14	0	0
6	EA	464	Total 3445	C 2169	N 589	O 673	S 14	0	0
6	EC	464	Total 3445	C 2169	N 589	O 673	S 14	0	0
6	EE	464	Total 3445	C 2169	N 589	O 673	S 14	0	0
6	EG	464	Total 3445	C 2169	N 589	O 673	S 14	0	0
6	EI	464	Total 3445	C 2169	N 589	O 673	S 14	0	0
6	EK	464	Total 3445	C 2169	N 589	O 673	S 14	0	0
6	EM	464	Total 3445	C 2169	N 589	O 673	S 14	0	0
6	S	437	Total 3275	C 2065	N 559	O 638	S 13	0	0
6	T	436	Total 3263	C 2061	N 557	O 631	S 14	0	0
6	c	437	Total 3275	C 2065	N 559	O 638	S 13	0	0
6	d	436	Total 3263	C 2061	N 557	O 631	S 14	0	0
6	dT	461	Total 3434	C 2163	N 587	O 670	S 14	0	0
6	dU	461	Total 3434	C 2163	N 587	O 670	S 14	0	0
6	dV	457	Total 3397	C 2138	N 582	O 663	S 14	0	0
6	dW	457	Total 3397	C 2138	N 582	O 663	S 14	0	0
6	dX	435	Total 3254	C 2056	N 556	O 629	S 13	0	0
6	dY	435	Total 3254	C 2056	N 556	O 629	S 13	0	0
6	eA	461	Total 3434	C 2163	N 587	O 670	S 14	0	0

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Mol	Chain	Residues	Atoms					AltConf	Trace
6	eB	461	Total	C	N	O	S	0	0
			3434	2163	587	670	14		
6	eC	457	Total	C	N	O	S	0	0
			3397	2138	582	663	14		
6	eD	457	Total	C	N	O	S	0	0
			3397	2138	582	663	14		
6	eE	435	Total	C	N	O	S	0	0
			3254	2056	556	629	13		
6	eF	435	Total	C	N	O	S	0	0
			3254	2056	556	629	13		
6	en	461	Total	C	N	O	S	0	0
			3434	2163	587	670	14		
6	eo	461	Total	C	N	O	S	0	0
			3434	2163	587	670	14		
6	ep	457	Total	C	N	O	S	0	0
			3397	2138	582	663	14		
6	eq	457	Total	C	N	O	S	0	0
			3397	2138	582	663	14		
6	er	435	Total	C	N	O	S	0	0
			3254	2056	556	629	13		
6	es	435	Total	C	N	O	S	0	0
			3254	2056	556	629	13		
6	m	437	Total	C	N	O	S	0	0
			3275	2065	559	638	13		
6	n	436	Total	C	N	O	S	0	0
			3263	2061	557	631	14		
6	w	437	Total	C	N	O	S	0	0
			3275	2065	559	638	13		
6	x	436	Total	C	N	O	S	0	0
			3263	2061	557	631	14		

- Molecule 7 is a protein called Head stabilization/decoration protein.

Mol	Chain	Residues	Atoms					AltConf	Trace
7	E0	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	E2	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	E3	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	E4	147	Total	C	N	O	S	0	0
			1078	687	178	211	2		

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Mol	Chain	Residues	Atoms					AltConf	Trace
7	E5	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	E6	145	Total	C	N	O	S	0	0
			1066	682	176	206	2		
7	E7	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	E8	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	E9	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Eb	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Ec	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Ed	147	Total	C	N	O	S	0	0
			1078	687	178	211	2		
7	Ee	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Ef	145	Total	C	N	O	S	0	0
			1066	682	176	206	2		
7	Eg	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Eh	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Ei	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Ej	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Ek	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	El	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Em	146	Total	C	N	O	S	0	0
			1071	682	177	210	2		
7	En	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	F1	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	F2	146	Total	C	N	O	S	0	0
			1071	682	177	210	2		
7	F3	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		

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Mol	Chain	Residues	Atoms					AltConf	Trace
7	FA	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	FB	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	FC	146	Total	C	N	O	S	0	0
			1071	682	177	210	2		
7	FD	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	FR	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	FS	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	FT	147	Total	C	N	O	S	0	0
			1078	687	178	211	2		
7	FU	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	FV	145	Total	C	N	O	S	0	0
			1066	682	176	206	2		
7	FW	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	FX	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	FY	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	FZ	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Fa	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Fb	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Fc	146	Total	C	N	O	S	0	0
			1071	682	177	210	2		
7	Fd	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Fq	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Fr	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Fs	147	Total	C	N	O	S	0	0
			1078	687	178	211	2		
7	Ft	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		

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Mol	Chain	Residues	Atoms					AltConf	Trace
7	Fu	145	Total	C	N	O	S	0	0
			1066	682	176	206	2		
7	Fv	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Fw	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Fx	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Fy	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Fz	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	G0	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	G7	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	G8	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	G9	147	Total	C	N	O	S	0	0
			1078	687	178	211	2		
7	GG	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	GH	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	GI	147	Total	C	N	O	S	0	0
			1078	687	178	211	2		
7	GJ	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	GK	145	Total	C	N	O	S	0	0
			1066	682	176	206	2		
7	GL	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	GM	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	GN	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	GO	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	GP	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	GQ	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		

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Mol	Chain	Residues	Atoms					AltConf	Trace
7	GR	146	Total	C	N	O	S	0	0
			1071	682	177	210	2		
7	GS	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Gg	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Gh	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Gi	147	Total	C	N	O	S	0	0
			1078	687	178	211	2		
7	Gj	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Gk	145	Total	C	N	O	S	0	0
			1066	682	176	206	2		
7	Gl	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Gm	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Gn	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Go	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Gp	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Gq	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Gr	146	Total	C	N	O	S	0	0
			1071	682	177	210	2		
7	Gs	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	H1	145	Total	C	N	O	S	0	0
			1066	682	176	206	2		
7	H2	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	H3	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	H4	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	H5	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	H6	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		

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Mol	Chain	Residues	Atoms					AltConf	Trace
7	H7	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	H8	146	Total	C	N	O	S	0	0
			1071	682	177	210	2		
7	H9	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	HA	145	Total	C	N	O	S	0	0
			1066	682	176	206	2		
7	HB	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	HC	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	HD	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	HE	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	HF	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	HG	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	HH	146	Total	C	N	O	S	0	0
			1071	682	177	210	2		
7	HI	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	HW	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	HX	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	HY	147	Total	C	N	O	S	0	0
			1078	687	178	211	2		
7	HZ	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Ha	145	Total	C	N	O	S	0	0
			1066	682	176	206	2		
7	Hb	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Hc	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Hd	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	He	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		

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Mol	Chain	Residues	Atoms					AltConf	Trace
7	Hf	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Hg	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Hh	146	Total	C	N	O	S	0	0
			1071	682	177	210	2		
7	Hi	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Hw	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Hx	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Hy	147	Total	C	N	O	S	0	0
			1078	687	178	211	2		
7	Hx	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	IM	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	IN	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	IO	147	Total	C	N	O	S	0	0
			1078	687	178	211	2		
7	IP	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	IQ	145	Total	C	N	O	S	0	0
			1066	682	176	206	2		
7	IR	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	IS	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	IT	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	IU	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	IV	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	IW	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	IX	146	Total	C	N	O	S	0	0
			1071	682	177	210	2		
7	IY	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		

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Mol	Chain	Residues	Atoms					AltConf	Trace
7	Il	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Im	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	In	147	Total	C	N	O	S	0	0
			1078	687	178	211	2		
7	Io	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Ip	145	Total	C	N	O	S	0	0
			1066	682	176	206	2		
7	Iq	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Ir	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Is	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	It	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Iu	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Iv	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Iw	146	Total	C	N	O	S	0	0
			1071	682	177	210	2		
7	Ix	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	J0	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	J2	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	J3	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	J4	147	Total	C	N	O	S	0	0
			1078	687	178	211	2		
7	J5	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	J6	145	Total	C	N	O	S	0	0
			1066	682	176	206	2		
7	J7	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	J8	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		

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Mol	Chain	Residues	Atoms					AltConf	Trace
7	J9	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	JB	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	JC	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	JD	147	Total	C	N	O	S	0	0
			1078	687	178	211	2		
7	JE	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	JF	145	Total	C	N	O	S	0	0
			1066	682	176	206	2		
7	JG	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	JH	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	JI	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	JJ	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	JK	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	JL	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	JM	146	Total	C	N	O	S	0	0
			1071	682	177	210	2		
7	JN	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Jb	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Jc	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Jd	147	Total	C	N	O	S	0	0
			1078	687	178	211	2		
7	Je	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Jf	145	Total	C	N	O	S	0	0
			1066	682	176	206	2		
7	Jg	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Jh	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		

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Mol	Chain	Residues	Atoms					AltConf	Trace
7	Ji	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Jj	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Jk	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Jl	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Jm	146	Total	C	N	O	S	0	0
			1071	682	177	210	2		
7	Jn	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	K1	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	K2	146	Total	C	N	O	S	0	0
			1071	682	177	210	2		
7	K3	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	KA	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	KB	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	KC	146	Total	C	N	O	S	0	0
			1071	682	177	210	2		
7	KD	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	KQ	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	KR	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	KS	147	Total	C	N	O	S	0	0
			1078	687	178	211	2		
7	KT	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	KU	145	Total	C	N	O	S	0	0
			1066	682	176	206	2		
7	KV	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	KW	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	KX	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		

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Mol	Chain	Residues	Atoms					AltConf	Trace
7	KY	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	KZ	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Ka	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Kb	146	Total	C	N	O	S	0	0
			1071	682	177	210	2		
7	Kc	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Kq	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Kr	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Ks	147	Total	C	N	O	S	0	0
			1078	687	178	211	2		
7	Kt	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Ku	145	Total	C	N	O	S	0	0
			1066	682	176	206	2		
7	Kv	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Kw	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Kx	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Ky	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Kz	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	L0	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	L7	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	L8	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	L9	147	Total	C	N	O	S	0	0
			1078	687	178	211	2		
7	LG	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	LH	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		

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Mol	Chain	Residues	Atoms					AltConf	Trace
7	LI	147	Total	C	N	O	S	0	0
			1078	687	178	211	2		
7	LJ	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	LK	145	Total	C	N	O	S	0	0
			1066	682	176	206	2		
7	LL	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	LM	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	LN	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	LO	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	LP	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	LQ	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	LR	146	Total	C	N	O	S	0	0
			1071	682	177	210	2		
7	LS	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Lg	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Lh	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Li	147	Total	C	N	O	S	0	0
			1078	687	178	211	2		
7	Lj	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Lk	145	Total	C	N	O	S	0	0
			1066	682	176	206	2		
7	Ll	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Lm	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Ln	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Lo	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Lp	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		

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Mol	Chain	Residues	Atoms					AltConf	Trace
7	Lq	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Lr	146	Total	C	N	O	S	0	0
			1071	682	177	210	2		
7	Ls	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	M1	145	Total	C	N	O	S	0	0
			1066	682	176	206	2		
7	M2	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	M3	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	M4	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	M5	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	M6	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	M7	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	M8	146	Total	C	N	O	S	0	0
			1071	682	177	210	2		
7	M9	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	MA	145	Total	C	N	O	S	0	0
			1066	682	176	206	2		
7	MB	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	MC	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	MD	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	ME	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	MF	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	MG	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	MH	146	Total	C	N	O	S	0	0
			1071	682	177	210	2		
7	MI	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		

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Mol	Chain	Residues	Atoms					AltConf	Trace
7	MW	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	MX	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	MY	147	Total	C	N	O	S	0	0
			1078	687	178	211	2		
7	MZ	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Ma	145	Total	C	N	O	S	0	0
			1066	682	176	206	2		
7	Mb	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Mc	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Md	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Me	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Mf	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Mg	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Mh	146	Total	C	N	O	S	0	0
			1071	682	177	210	2		
7	Mi	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Mw	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Mx	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	My	147	Total	C	N	O	S	0	0
			1078	687	178	211	2		
7	Mz	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	NM	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	NN	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	NO	147	Total	C	N	O	S	0	0
			1078	687	178	211	2		
7	NP	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		

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Mol	Chain	Residues	Atoms					AltConf	Trace
7	NQ	145	Total	C	N	O	S	0	0
			1066	682	176	206	2		
7	NR	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	NS	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	NT	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	NU	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	NV	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	NW	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	NX	146	Total	C	N	O	S	0	0
			1071	682	177	210	2		
7	NY	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Nm	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Nn	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	No	147	Total	C	N	O	S	0	0
			1078	687	178	211	2		
7	Np	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Nq	145	Total	C	N	O	S	0	0
			1066	682	176	206	2		
7	Nr	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Ns	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Nt	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Nu	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Nv	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Nw	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Nx	146	Total	C	N	O	S	0	0
			1071	682	177	210	2		

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Mol	Chain	Residues	Atoms					AltConf	Trace
7	Ny	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	O0	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	O3	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	O4	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	O5	147	Total	C	N	O	S	0	0
			1078	687	178	211	2		
7	O6	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	O7	145	Total	C	N	O	S	0	0
			1066	682	176	206	2		
7	O8	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	O9	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	OC	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	OD	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	OE	147	Total	C	N	O	S	0	0
			1078	687	178	211	2		
7	OF	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	OG	145	Total	C	N	O	S	0	0
			1066	682	176	206	2		
7	OH	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	OI	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	OJ	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	OK	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	OL	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	OM	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	ON	146	Total	C	N	O	S	0	0
			1071	682	177	210	2		

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Mol	Chain	Residues	Atoms					AltConf	Trace
7	OO	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Oc	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Od	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Oe	147	Total	C	N	O	S	0	0
			1078	687	178	211	2		
7	Of	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Og	145	Total	C	N	O	S	0	0
			1066	682	176	206	2		
7	Oh	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Oi	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Oj	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Ok	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Ol	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Om	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	On	146	Total	C	N	O	S	0	0
			1071	682	177	210	2		
7	Oo	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	P1	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	P2	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	P3	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	P4	146	Total	C	N	O	S	0	0
			1071	682	177	210	2		
7	P5	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	PA	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	PB	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		

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Mol	Chain	Residues	Atoms					AltConf	Trace
7	PC	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	PD	146	Total	C	N	O	S	0	0
			1071	682	177	210	2		
7	PE	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	PS	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	PT	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	PU	147	Total	C	N	O	S	0	0
			1078	687	178	211	2		
7	PV	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	PW	145	Total	C	N	O	S	0	0
			1066	682	176	206	2		
7	PX	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	PY	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	PZ	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Pa	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Pb	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Pc	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Pd	146	Total	C	N	O	S	0	0
			1071	682	177	210	2		
7	Pe	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Ps	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Pt	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Pu	147	Total	C	N	O	S	0	0
			1078	687	178	211	2		
7	Pv	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Pw	145	Total	C	N	O	S	0	0
			1066	682	176	206	2		

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Mol	Chain	Residues	Atoms					AltConf	Trace
7	Px	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Py	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Pz	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Q0	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Q9	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	QI	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	QJ	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	QK	147	Total	C	N	O	S	0	0
			1078	687	178	211	2		
7	QL	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	QM	145	Total	C	N	O	S	0	0
			1066	682	176	206	2		
7	QN	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	QO	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	QP	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	QQ	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	QR	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	QS	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	QT	146	Total	C	N	O	S	0	0
			1071	682	177	210	2		
7	QU	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Qi	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Qj	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Qk	147	Total	C	N	O	S	0	0
			1078	687	178	211	2		

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Mol	Chain	Residues	Atoms					AltConf	Trace
7	Ql	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Qm	145	Total	C	N	O	S	0	0
			1066	682	176	206	2		
7	Qn	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Qo	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Qp	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Qq	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Qr	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Qs	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Qt	146	Total	C	N	O	S	0	0
			1071	682	177	210	2		
7	Qu	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	R0	146	Total	C	N	O	S	0	0
			1071	682	177	210	2		
7	R1	147	Total	C	N	O	S	0	0
			1078	687	178	211	2		
7	R2	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	R3	145	Total	C	N	O	S	0	0
			1066	682	176	206	2		
7	R4	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	R5	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	R6	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	R7	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	R8	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	R9	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	RA	147	Total	C	N	O	S	0	0
			1078	687	178	211	2		

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Mol	Chain	Residues	Atoms					AltConf	Trace
7	RB	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	RC	145	Total	C	N	O	S	0	0
			1066	682	176	206	2		
7	RD	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	RE	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	RF	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	RG	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	RH	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	RI	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	RJ	146	Total	C	N	O	S	0	0
			1071	682	177	210	2		
7	RK	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	RY	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	RZ	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Ra	147	Total	C	N	O	S	0	0
			1078	687	178	211	2		
7	Rb	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Rc	145	Total	C	N	O	S	0	0
			1066	682	176	206	2		
7	Rd	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Re	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Rf	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Rg	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Rh	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Ri	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		

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Mol	Chain	Residues	Atoms					AltConf	Trace
7	Rj	146	Total	C	N	O	S	0	0
			1071	682	177	210	2		
7	Rk	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Ry	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Rz	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	S1	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	SA	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	SO	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	SP	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	SQ	147	Total	C	N	O	S	0	0
			1078	687	178	211	2		
7	SR	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	SS	145	Total	C	N	O	S	0	0
			1066	682	176	206	2		
7	ST	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	SU	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	SV	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	SW	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	SX	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	SY	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	SZ	146	Total	C	N	O	S	0	0
			1071	682	177	210	2		
7	Sa	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	So	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Sp	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		

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Mol	Chain	Residues	Atoms					AltConf	Trace
7	Sq	147	Total	C	N	O	S	0	0
			1078	687	178	211	2		
7	Sr	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Ss	145	Total	C	N	O	S	0	0
			1066	682	176	206	2		
7	St	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Su	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Sv	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Sw	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Sx	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Sy	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Sz	146	Total	C	N	O	S	0	0
			1071	682	177	210	2		
7	T0	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	T5	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	T6	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	T7	147	Total	C	N	O	S	0	0
			1078	687	178	211	2		
7	T8	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	T9	145	Total	C	N	O	S	0	0
			1066	682	176	206	2		
7	TE	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	TF	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	TG	147	Total	C	N	O	S	0	0
			1078	687	178	211	2		
7	TH	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	TI	145	Total	C	N	O	S	0	0
			1066	682	176	206	2		

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Mol	Chain	Residues	Atoms					AltConf	Trace
7	TJ	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	TK	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	TL	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	TM	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	TN	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	TO	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	TP	146	Total	C	N	O	S	0	0
			1071	682	177	210	2		
7	TQ	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Te	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Tf	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Tg	147	Total	C	N	O	S	0	0
			1078	687	178	211	2		
7	Th	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Ti	145	Total	C	N	O	S	0	0
			1066	682	176	206	2		
7	Tj	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Tk	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Tl	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Tm	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Tn	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	To	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Tp	146	Total	C	N	O	S	0	0
			1071	682	177	210	2		
7	Tq	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		

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Mol	Chain	Residues	Atoms					AltConf	Trace
7	U1	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	U2	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	U3	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	U4	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	U5	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	U6	146	Total	C	N	O	S	0	0
			1071	682	177	210	2		
7	U7	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	UA	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	UB	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	UC	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	UD	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	UE	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	UF	146	Total	C	N	O	S	0	0
			1071	682	177	210	2		
7	UG	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	UU	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	UV	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	UW	147	Total	C	N	O	S	0	0
			1078	687	178	211	2		
7	UX	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	UY	145	Total	C	N	O	S	0	0
			1066	682	176	206	2		
7	UZ	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Ua	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		

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Mol	Chain	Residues	Atoms					AltConf	Trace
7	Ub	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Uc	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Ud	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Ue	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Uf	146	Total	C	N	O	S	0	0
			1071	682	177	210	2		
7	Ug	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Uu	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Uv	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Uw	147	Total	C	N	O	S	0	0
			1078	687	178	211	2		
7	Ux	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Uy	145	Total	C	N	O	S	0	0
			1066	682	176	206	2		
7	Uz	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	V0	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	VK	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	VL	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	VM	147	Total	C	N	O	S	0	0
			1078	687	178	211	2		
7	VN	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	VO	145	Total	C	N	O	S	0	0
			1066	682	176	206	2		
7	VP	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	VQ	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	VR	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		

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Mol	Chain	Residues	Atoms					AltConf	Trace
7	VS	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	VT	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	VU	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	VV	146	Total	C	N	O	S	0	0
			1071	682	177	210	2		
7	VW	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Vk	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Vl	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Vm	147	Total	C	N	O	S	0	0
			1078	687	178	211	2		
7	Vn	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Vo	145	Total	C	N	O	S	0	0
			1066	682	176	206	2		
7	Vp	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Vq	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Vr	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Vs	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Vt	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Vu	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Vv	146	Total	C	N	O	S	0	0
			1071	682	177	210	2		
7	Vw	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	W0	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	W1	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	W2	147	Total	C	N	O	S	0	0
			1078	687	178	211	2		

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Mol	Chain	Residues	Atoms					AltConf	Trace
7	W3	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	W4	145	Total	C	N	O	S	0	0
			1066	682	176	206	2		
7	W5	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	W6	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	W7	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	W8	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	W9	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	WA	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	WB	147	Total	C	N	O	S	0	0
			1078	687	178	211	2		
7	WC	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	WD	145	Total	C	N	O	S	0	0
			1066	682	176	206	2		
7	WE	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	WF	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	WG	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	WH	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	WI	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	WJ	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	WK	146	Total	C	N	O	S	0	0
			1071	682	177	210	2		
7	WL	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	WZ	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Wa	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		

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Mol	Chain	Residues	Atoms					AltConf	Trace
7	Wb	147	Total	C	N	O	S	0	0
			1078	687	178	211	2		
7	Wc	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Wd	145	Total	C	N	O	S	0	0
			1066	682	176	206	2		
7	We	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Wf	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Wg	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Wh	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Wi	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Wj	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Wk	146	Total	C	N	O	S	0	0
			1071	682	177	210	2		
7	Wl	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Wz	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	X1	146	Total	C	N	O	S	0	0
			1071	682	177	210	2		
7	X2	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	XA	146	Total	C	N	O	S	0	0
			1071	682	177	210	2		
7	XB	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	XP	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	XQ	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	XR	147	Total	C	N	O	S	0	0
			1078	687	178	211	2		
7	XS	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	XT	145	Total	C	N	O	S	0	0
			1066	682	176	206	2		

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Mol	Chain	Residues	Atoms					AltConf	Trace
7	XU	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	XV	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	XW	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	XX	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	XY	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	XZ	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Xa	146	Total	C	N	O	S	0	0
			1071	682	177	210	2		
7	Xb	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Xp	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Xq	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Xr	147	Total	C	N	O	S	0	0
			1078	687	178	211	2		
7	Xs	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Xt	145	Total	C	N	O	S	0	0
			1066	682	176	206	2		
7	Xu	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Xv	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Xw	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Xx	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Xy	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Xz	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Y0	145	Total	C	N	O	S	0	0
			1066	682	176	206	2		
7	Y6	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		

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Mol	Chain	Residues	Atoms					AltConf	Trace
7	Y7	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Y8	147	Total	C	N	O	S	0	0
			1078	687	178	211	2		
7	Y9	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	YF	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	YG	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	YH	147	Total	C	N	O	S	0	0
			1078	687	178	211	2		
7	YI	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	YJ	145	Total	C	N	O	S	0	0
			1066	682	176	206	2		
7	YK	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	YL	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	YM	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	YN	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	YO	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	YP	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	YQ	146	Total	C	N	O	S	0	0
			1071	682	177	210	2		
7	YR	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Yf	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Yg	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Yh	147	Total	C	N	O	S	0	0
			1078	687	178	211	2		
7	Yi	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Yj	145	Total	C	N	O	S	0	0
			1066	682	176	206	2		

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Mol	Chain	Residues	Atoms					AltConf	Trace
7	Yk	148	Total 1087	C 693	N 179	O 213	S 2	0	0
7	Yl	148	Total 1087	C 693	N 179	O 213	S 2	0	0
7	Ym	148	Total 1087	C 693	N 179	O 213	S 2	0	0
7	Yn	148	Total 1087	C 693	N 179	O 213	S 2	0	0
7	Yo	148	Total 1087	C 693	N 179	O 213	S 2	0	0
7	Yp	148	Total 1087	C 693	N 179	O 213	S 2	0	0
7	Yq	146	Total 1071	C 682	N 177	O 210	S 2	0	0
7	Yr	148	Total 1087	C 693	N 179	O 213	S 2	0	0
7	Z1	148	Total 1087	C 693	N 179	O 213	S 2	0	0
7	Z2	148	Total 1087	C 693	N 179	O 213	S 2	0	0
7	Z3	148	Total 1087	C 693	N 179	O 213	S 2	0	0
7	Z4	148	Total 1087	C 693	N 179	O 213	S 2	0	0
7	Z5	148	Total 1087	C 693	N 179	O 213	S 2	0	0
7	Z6	148	Total 1087	C 693	N 179	O 213	S 2	0	0
7	Z7	146	Total 1071	C 682	N 177	O 210	S 2	0	0
7	Z8	148	Total 1087	C 693	N 179	O 213	S 2	0	0
7	ZA	148	Total 1087	C 693	N 179	O 213	S 2	0	0
7	ZB	148	Total 1087	C 693	N 179	O 213	S 2	0	0
7	ZC	148	Total 1087	C 693	N 179	O 213	S 2	0	0
7	ZD	148	Total 1087	C 693	N 179	O 213	S 2	0	0
7	ZE	148	Total 1087	C 693	N 179	O 213	S 2	0	0

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Mol	Chain	Residues	Atoms					AltConf	Trace
7	ZF	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	ZG	146	Total	C	N	O	S	0	0
			1071	682	177	210	2		
7	ZH	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	ZV	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	ZW	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	ZX	147	Total	C	N	O	S	0	0
			1078	687	178	211	2		
7	ZY	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	ZZ	145	Total	C	N	O	S	0	0
			1066	682	176	206	2		
7	Za	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Zb	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Zc	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Zd	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Ze	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Zf	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Zg	146	Total	C	N	O	S	0	0
			1071	682	177	210	2		
7	Zh	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Zv	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Zw	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Zx	147	Total	C	N	O	S	0	0
			1078	687	178	211	2		
7	Zy	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	Zz	145	Total	C	N	O	S	0	0
			1066	682	176	206	2		

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Mol	Chain	Residues	Atoms					AltConf	Trace
7	aL	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	aM	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	aN	147	Total	C	N	O	S	0	0
			1078	687	178	211	2		
7	aO	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	aP	145	Total	C	N	O	S	0	0
			1066	682	176	206	2		
7	aQ	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	aR	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	aS	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	aT	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	aU	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	aV	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	aW	146	Total	C	N	O	S	0	0
			1071	682	177	210	2		
7	aX	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	ak	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	al	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	am	147	Total	C	N	O	S	0	0
			1078	687	178	211	2		
7	an	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	ao	145	Total	C	N	O	S	0	0
			1066	682	176	206	2		
7	ap	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	aq	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	ar	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		

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Mol	Chain	Residues	Atoms					AltConf	Trace
7	as	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	at	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	au	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	av	146	Total	C	N	O	S	0	0
			1071	682	177	210	2		
7	aw	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	b0	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	b1	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	b2	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	b3	147	Total	C	N	O	S	0	0
			1078	687	178	211	2		
7	b4	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	b5	145	Total	C	N	O	S	0	0
			1066	682	176	206	2		
7	b6	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	b7	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	b8	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	b9	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	bA	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	bB	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	bC	147	Total	C	N	O	S	0	0
			1078	687	178	211	2		
7	bD	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	bE	145	Total	C	N	O	S	0	0
			1066	682	176	206	2		
7	bF	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		

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Mol	Chain	Residues	Atoms					AltConf	Trace
7	bG	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	bH	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	bI	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	bJ	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	bK	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	bL	146	Total	C	N	O	S	0	0
			1071	682	177	210	2		
7	bM	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	ba	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	bb	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	bc	147	Total	C	N	O	S	0	0
			1078	687	178	211	2		
7	bd	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	be	145	Total	C	N	O	S	0	0
			1066	682	176	206	2		
7	bf	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	bg	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	bh	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	bi	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	bj	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	bk	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	bl	146	Total	C	N	O	S	0	0
			1071	682	177	210	2		
7	bm	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	c1	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		

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Mol	Chain	Residues	Atoms					AltConf	Trace
7	c2	146	Total	C	N	O	S	0	0
			1071	682	177	210	2		
7	c3	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	cA	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	cB	146	Total	C	N	O	S	0	0
			1071	682	177	210	2		
7	cC	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	cQ	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	cR	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	cS	147	Total	C	N	O	S	0	0
			1078	687	178	211	2		
7	cT	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	cU	145	Total	C	N	O	S	0	0
			1066	682	176	206	2		
7	cV	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	cW	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	cX	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	cY	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	cZ	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	ca	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	cb	146	Total	C	N	O	S	0	0
			1071	682	177	210	2		
7	cc	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	cq	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	cr	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	cs	147	Total	C	N	O	S	0	0
			1078	687	178	211	2		

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Mol	Chain	Residues	Atoms					AltConf	Trace
7	ct	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	cu	145	Total	C	N	O	S	0	0
			1066	682	176	206	2		
7	cv	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	cw	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	cx	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	cy	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	cz	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	dG	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	dH	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	dI	147	Total	C	N	O	S	0	0
			1078	687	178	211	2		
7	dJ	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	dK	145	Total	C	N	O	S	0	0
			1066	682	176	206	2		
7	dL	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	dM	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	dN	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	dO	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	dP	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	dQ	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		
7	dR	146	Total	C	N	O	S	0	0
			1071	682	177	210	2		
7	dS	148	Total	C	N	O	S	0	0
			1087	693	179	213	2		

- Molecule 8 is a protein called Major capsid protein.

Mol	Chain	Residues	Atoms					AltConf	Trace
8	E1	327	Total	C	N	O	S	0	0
			2624	1655	465	499	5		
8	EO	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	EP	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	EQ	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	ER	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	ES	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	ET	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	EU	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	EV	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	EW	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	EX	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	EY	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	EZ	330	Total	C	N	O	S	0	0
			2639	1664	468	501	6		
8	Ea	327	Total	C	N	O	S	0	0
			2624	1655	465	499	5		
8	Eo	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	Ep	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Eq	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Er	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	Es	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Et	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Eu	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Ev	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		

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Mol	Chain	Residues	Atoms					AltConf	Trace
8	Ew	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Ex	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	Ey	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Ez	330	Total	C	N	O	S	0	0
			2639	1664	468	501	6		
8	F0	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	F4	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	F5	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	F6	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	F7	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	F8	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	F9	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	FE	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	FF	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	FG	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	FH	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	FI	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	FJ	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	FK	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	FL	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	FM	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	FN	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		

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Mol	Chain	Residues	Atoms					AltConf	Trace
8	FO	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	FP	330	Total	C	N	O	S	0	0
			2639	1664	468	501	6		
8	FQ	327	Total	C	N	O	S	0	0
			2624	1655	465	499	5		
8	Fe	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	Ff	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Fg	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Fh	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	Fi	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Fj	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Fk	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Fl	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Fm	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Fn	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	Fo	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Fp	330	Total	C	N	O	S	0	0
			2639	1664	468	501	6		
8	G1	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	G2	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	G3	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	G4	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	G5	330	Total	C	N	O	S	0	0
			2639	1664	468	501	6		
8	G6	327	Total	C	N	O	S	0	0
			2624	1655	465	499	5		

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Mol	Chain	Residues	Atoms					AltConf	Trace
8	GA	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	GB	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	GC	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	GD	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	GE	330	Total	C	N	O	S	0	0
			2639	1664	468	501	6		
8	GF	327	Total	C	N	O	S	0	0
			2624	1655	465	499	5		
8	GT	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	GU	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	GV	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	GW	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	GX	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	GY	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	GZ	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Ga	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Gb	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Gc	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	Gd	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Ge	330	Total	C	N	O	S	0	0
			2639	1664	468	501	6		
8	Gf	327	Total	C	N	O	S	0	0
			2624	1655	465	499	5		
8	Gt	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	Gu	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		

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Mol	Chain	Residues	Atoms					AltConf	Trace
8	Gv	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Gw	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	Gx	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Gy	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Gz	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	H0	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	HJ	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	HK	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	HL	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	HM	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	HN	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	HO	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	HP	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	HQ	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	HR	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	HS	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	HT	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	HU	330	Total	C	N	O	S	0	0
			2639	1664	468	501	6		
8	HV	327	Total	C	N	O	S	0	0
			2624	1655	465	499	5		
8	Hj	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	Hk	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		

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Mol	Chain	Residues	Atoms					AltConf	Trace
8	Hl	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Hm	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	Hn	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Ho	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Hp	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Hq	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Hr	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Hs	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	Ht	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Hu	330	Total	C	N	O	S	0	0
			2639	1664	468	501	6		
8	Hv	327	Total	C	N	O	S	0	0
			2624	1655	465	499	5		
8	I0	330	Total	C	N	O	S	0	0
			2639	1664	468	501	6		
8	I1	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	I2	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	I3	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	I4	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	I5	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	I6	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	I7	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	I8	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	I9	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		

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Mol	Chain	Residues	Atoms					AltConf	Trace
8	IA	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	IB	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	IC	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	ID	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	IE	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	IF	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	IG	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	IH	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	II	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	IJ	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	IK	330	Total	C	N	O	S	0	0
			2639	1664	468	501	6		
8	IL	327	Total	C	N	O	S	0	0
			2624	1655	465	499	5		
8	IZ	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	Ia	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Ib	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Ic	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	Id	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Ie	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	If	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Ig	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Ih	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		

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Mol	Chain	Residues	Atoms					AltConf	Trace
8	Ii	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	Ij	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Ik	330	Total	C	N	O	S	0	0
			2639	1664	468	501	6		
8	Iy	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	Iz	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Jl	327	Total	C	N	O	S	0	0
			2624	1655	465	499	5		
8	JA	327	Total	C	N	O	S	0	0
			2624	1655	465	499	5		
8	JO	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	JP	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	JQ	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	JR	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	JS	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	JT	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	JU	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	JV	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	JW	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	JX	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	JY	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	JZ	330	Total	C	N	O	S	0	0
			2639	1664	468	501	6		
8	Ja	327	Total	C	N	O	S	0	0
			2624	1655	465	499	5		
8	Jo	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		

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Mol	Chain	Residues	Atoms					AltConf	Trace
8	Jp	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Jq	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Jr	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	Js	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Jt	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Ju	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Jv	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Jw	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Jx	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	Jy	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Jz	330	Total	C	N	O	S	0	0
			2639	1664	468	501	6		
8	K0	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	K4	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	K5	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	K6	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	K7	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	K8	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	K9	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	KE	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	KF	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	KG	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		

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Mol	Chain	Residues	Atoms					AltConf	Trace
8	KH	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	KI	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	KJ	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	KK	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	KL	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	KM	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	KN	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	KO	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	KP	330	Total	C	N	O	S	0	0
			2639	1664	468	501	6		
8	Kd	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	Ke	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Kf	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Kg	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	Kh	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Ki	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Kj	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Kk	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Kl	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Km	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	Kn	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Ko	330	Total	C	N	O	S	0	0
			2639	1664	468	501	6		

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Mol	Chain	Residues	Atoms					AltConf	Trace
8	Kp	327	Total	C	N	O	S	0	0
			2624	1655	465	499	5		
8	L1	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	L2	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	L3	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	L4	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	L5	330	Total	C	N	O	S	0	0
			2639	1664	468	501	6		
8	L6	327	Total	C	N	O	S	0	0
			2624	1655	465	499	5		
8	LA	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	LB	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	LC	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	LD	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	LE	330	Total	C	N	O	S	0	0
			2639	1664	468	501	6		
8	LF	327	Total	C	N	O	S	0	0
			2624	1655	465	499	5		
8	LT	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	LU	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	LV	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	LW	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	LX	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	LY	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	LZ	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	La	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		

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Mol	Chain	Residues	Atoms					AltConf	Trace
8	Lb	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Lc	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	Ld	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Le	330	Total	C	N	O	S	0	0
			2639	1664	468	501	6		
8	Lf	327	Total	C	N	O	S	0	0
			2624	1655	465	499	5		
8	Lt	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	Lu	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Lv	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Lw	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	Lx	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Ly	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Lz	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	M0	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	MJ	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	MK	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	ML	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	MM	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	MN	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	MO	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	MP	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	MQ	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		

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Mol	Chain	Residues	Atoms					AltConf	Trace
8	MR	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	MS	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	MT	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	MU	330	Total	C	N	O	S	0	0
			2639	1664	468	501	6		
8	MV	327	Total	C	N	O	S	0	0
			2624	1655	465	499	5		
8	Mj	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	Mk	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Ml	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Mm	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	Mn	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Mo	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Mp	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Mq	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Mr	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Ms	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	Mt	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Mu	330	Total	C	N	O	S	0	0
			2639	1664	468	501	6		
8	Mv	327	Total	C	N	O	S	0	0
			2624	1655	465	499	5		
8	N0	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	N1	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	N2	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		

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Mol	Chain	Residues	Atoms					AltConf	Trace
8	N3	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	N4	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	N5	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	N6	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	N7	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	N8	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	N9	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	NA	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	NB	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	NC	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	ND	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	NE	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	NF	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	NG	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	NH	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	NI	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	NJ	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	NK	330	Total	C	N	O	S	0	0
			2639	1664	468	501	6		
8	NL	327	Total	C	N	O	S	0	0
			2624	1655	465	499	5		
8	NZ	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	Na	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		

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Mol	Chain	Residues	Atoms					AltConf	Trace
8	Nb	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Nc	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	Nd	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Ne	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Nf	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Ng	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Nh	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Ni	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	Nj	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Nk	330	Total	C	N	O	S	0	0
			2639	1664	468	501	6		
8	Nl	327	Total	C	N	O	S	0	0
			2624	1655	465	499	5		
8	Nz	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	O1	330	Total	C	N	O	S	0	0
			2639	1664	468	501	6		
8	O2	327	Total	C	N	O	S	0	0
			2624	1655	465	499	5		
8	OA	330	Total	C	N	O	S	0	0
			2639	1664	468	501	6		
8	OB	327	Total	C	N	O	S	0	0
			2624	1655	465	499	5		
8	OP	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	OQ	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	OR	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	OS	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	OT	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		

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Mol	Chain	Residues	Atoms					AltConf	Trace
8	OU	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	OV	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	OW	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	OX	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	OY	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	OZ	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Oa	330	Total	C	N	O	S	0	0
			2639	1664	468	501	6		
8	Ob	327	Total	C	N	O	S	0	0
			2624	1655	465	499	5		
8	Op	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	Oq	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Or	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Os	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	Ot	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Ou	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Ov	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Ow	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Ox	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Oy	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	Oz	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	P0	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	P6	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		

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Mol	Chain	Residues	Atoms					AltConf	Trace
8	P7	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	P8	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	P9	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	PF	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	PG	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	PH	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	PI	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	PJ	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	PK	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	PL	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	PM	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	PN	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	PO	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	PP	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	PQ	330	Total	C	N	O	S	0	0
			2639	1664	468	501	6		
8	PR	327	Total	C	N	O	S	0	0
			2624	1655	465	499	5		
8	Pf	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	Pg	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Ph	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Pi	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	Pj	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		

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Mol	Chain	Residues	Atoms					AltConf	Trace
8	Pk	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Pl	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Pm	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Pn	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Po	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	Pp	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Pq	330	Total	C	N	O	S	0	0
			2639	1664	468	501	6		
8	Pr	327	Total	C	N	O	S	0	0
			2624	1655	465	499	5		
8	Q1	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Q2	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Q3	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Q4	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Q5	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	Q6	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Q7	330	Total	C	N	O	S	0	0
			2639	1664	468	501	6		
8	Q8	327	Total	C	N	O	S	0	0
			2624	1655	465	499	5		
8	QA	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	QB	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	QC	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	QD	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	QE	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		

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Mol	Chain	Residues	Atoms					AltConf	Trace
8	QF	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	QG	330	Total	C	N	O	S	0	0
			2639	1664	468	501	6		
8	QH	327	Total	C	N	O	S	0	0
			2624	1655	465	499	5		
8	QV	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	QW	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	QX	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	QY	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	QZ	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Qa	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Qb	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Qc	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Qd	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Qe	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	Qf	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Qg	330	Total	C	N	O	S	0	0
			2639	1664	468	501	6		
8	Qh	327	Total	C	N	O	S	0	0
			2624	1655	465	499	5		
8	Qv	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	Qw	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Qx	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Qy	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	Qz	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		

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Mol	Chain	Residues	Atoms					AltConf	Trace
8	RL	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	RM	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	RN	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	RO	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	RP	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	RQ	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	RR	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	RS	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	RT	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	RU	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	RV	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	RW	330	Total	C	N	O	S	0	0
			2639	1664	468	501	6		
8	RX	327	Total	C	N	O	S	0	0
			2624	1655	465	499	5		
8	Rl	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	Rm	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Rn	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Ro	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	Rp	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Rq	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Rr	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Rs	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		

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Mol	Chain	Residues	Atoms					AltConf	Trace
8	Rt	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Ru	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	Rv	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Rw	330	Total	C	N	O	S	0	0
			2639	1664	468	501	6		
8	Rx	327	Total	C	N	O	S	0	0
			2624	1655	465	499	5		
8	S0	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	S2	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	S3	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	S4	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	S5	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	S6	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	S7	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	S8	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	S9	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	SB	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	SC	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	SD	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	SE	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	SF	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	SG	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	SH	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		

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Mol	Chain	Residues	Atoms					AltConf	Trace
8	SI	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	SJ	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	SK	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	SL	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	SM	330	Total	C	N	O	S	0	0
			2639	1664	468	501	6		
8	SN	327	Total	C	N	O	S	0	0
			2624	1655	465	499	5		
8	Sb	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	Sc	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Sd	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Se	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	Sf	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Sg	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Sh	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Si	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Sj	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Sk	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	Sl	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Sm	330	Total	C	N	O	S	0	0
			2639	1664	468	501	6		
8	Sn	327	Total	C	N	O	S	0	0
			2624	1655	465	499	5		
8	T1	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	T2	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		

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Mol	Chain	Residues	Atoms					AltConf	Trace
8	T3	330	Total	C	N	O	S	0	0
			2639	1664	468	501	6		
8	T4	327	Total	C	N	O	S	0	0
			2624	1655	465	499	5		
8	TA	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	TB	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	TC	330	Total	C	N	O	S	0	0
			2639	1664	468	501	6		
8	TD	327	Total	C	N	O	S	0	0
			2624	1655	465	499	5		
8	TR	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	TS	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	TT	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	TU	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	TV	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	TW	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	TX	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	TY	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	TZ	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Ta	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	Tb	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Tc	330	Total	C	N	O	S	0	0
			2639	1664	468	501	6		
8	Td	327	Total	C	N	O	S	0	0
			2624	1655	465	499	5		
8	Tr	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	Ts	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		

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Mol	Chain	Residues	Atoms					AltConf	Trace
8	Tt	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Tu	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	Tv	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Tw	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Tx	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Ty	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Tz	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	U0	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	U8	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	U9	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	UH	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	UI	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	UJ	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	UK	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	UL	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	UM	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	UN	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	UO	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	UP	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	UQ	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	UR	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		

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Mol	Chain	Residues	Atoms					AltConf	Trace
8	US	330	Total	C	N	O	S	0	0
			2639	1664	468	501	6		
8	UT	327	Total	C	N	O	S	0	0
			2624	1655	465	499	5		
8	Uh	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	Ui	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Uj	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Uk	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	Ul	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Um	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Un	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Uo	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Up	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Uq	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	Ur	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Us	330	Total	C	N	O	S	0	0
			2639	1664	468	501	6		
8	Ut	327	Total	C	N	O	S	0	0
			2624	1655	465	499	5		
8	V1	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	V2	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	V3	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	V4	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	V5	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	V6	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		

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Mol	Chain	Residues	Atoms					AltConf	Trace
8	V7	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	V8	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	V9	330	Total	C	N	O	S	0	0
			2639	1664	468	501	6		
8	VA	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	VB	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	VC	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	VD	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	VE	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	VF	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	VG	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	VH	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	VI	330	Total	C	N	O	S	0	0
			2639	1664	468	501	6		
8	VJ	327	Total	C	N	O	S	0	0
			2624	1655	465	499	5		
8	VX	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	VY	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	VZ	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Va	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	Vb	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Vc	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Vd	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Ve	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		

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Mol	Chain	Residues	Atoms					AltConf	Trace
8	Vf	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Vg	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	Vh	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Vi	330	Total	C	N	O	S	0	0
			2639	1664	468	501	6		
8	Vj	327	Total	C	N	O	S	0	0
			2624	1655	465	499	5		
8	Vx	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	Vy	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Vz	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	WM	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	WN	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	WO	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	WP	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	WQ	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	WR	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	WS	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	WT	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	WU	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	WV	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	WW	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	WX	330	Total	C	N	O	S	0	0
			2639	1664	468	501	6		
8	WY	327	Total	C	N	O	S	0	0
			2624	1655	465	499	5		

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Mol	Chain	Residues	Atoms					AltConf	Trace
8	Wm	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	Wn	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Wo	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Wp	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	Wq	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Wr	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Ws	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Wt	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Wu	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Wv	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	Ww	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Wx	330	Total	C	N	O	S	0	0
			2639	1664	468	501	6		
8	Wy	327	Total	C	N	O	S	0	0
			2624	1655	465	499	5		
8	X0	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	X3	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	X4	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	X5	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	X6	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	X7	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	X8	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	X9	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		

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Mol	Chain	Residues	Atoms					AltConf	Trace
8	XC	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	XD	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	XE	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	XF	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	XG	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	XH	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	XI	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	XJ	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	XK	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	XL	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	XM	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	XN	330	Total	C	N	O	S	0	0
			2639	1664	468	501	6		
8	XO	327	Total	C	N	O	S	0	0
			2624	1655	465	499	5		
8	Xc	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	Xd	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Xe	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Xf	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	Xg	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Xh	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Xi	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Xj	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		

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Mol	Chain	Residues	Atoms					AltConf	Trace
8	Xk	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Xl	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	Xm	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Xn	330	Total	C	N	O	S	0	0
			2639	1664	468	501	6		
8	Xo	327	Total	C	N	O	S	0	0
			2624	1655	465	499	5		
8	Y1	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Y2	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	Y3	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Y4	330	Total	C	N	O	S	0	0
			2639	1664	468	501	6		
8	Y5	327	Total	C	N	O	S	0	0
			2624	1655	465	499	5		
8	YA	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	YB	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	YC	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	YD	330	Total	C	N	O	S	0	0
			2639	1664	468	501	6		
8	YE	327	Total	C	N	O	S	0	0
			2624	1655	465	499	5		
8	YS	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	YT	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	YU	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	YV	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	YW	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	YX	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		

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Mol	Chain	Residues	Atoms					AltConf	Trace
8	YY	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	YZ	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Ya	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Yb	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	Yc	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Yd	330	Total	C	N	O	S	0	0
			2639	1664	468	501	6		
8	Ye	327	Total	C	N	O	S	0	0
			2624	1655	465	499	5		
8	Ys	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	Yt	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Yu	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Yv	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	Yw	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Yx	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Yy	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Yz	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Z0	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Z9	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	ZI	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	ZJ	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	ZK	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	ZL	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		

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Mol	Chain	Residues	Atoms					AltConf	Trace
8	ZM	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	ZN	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	ZO	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	ZP	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	ZQ	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	ZR	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	ZS	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	ZT	330	Total	C	N	O	S	0	0
			2639	1664	468	501	6		
8	ZU	327	Total	C	N	O	S	0	0
			2624	1655	465	499	5		
8	Zi	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	Zj	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Zk	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Zl	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	Zm	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Zn	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Zo	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Zp	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Zq	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Zr	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	Zs	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	Zt	330	Total	C	N	O	S	0	0
			2639	1664	468	501	6		

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Mol	Chain	Residues	Atoms					AltConf	Trace
8	Zu	327	Total	C	N	O	S	0	0
			2624	1655	465	499	5		
8	a0	327	Total	C	N	O	S	0	0
			2624	1655	465	499	5		
8	a1	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	a2	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	a3	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	a4	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	a5	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	a6	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	a7	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	a8	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	a9	330	Total	C	N	O	S	0	0
			2639	1664	468	501	6		
8	aA	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	aB	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	aC	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	aD	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	aE	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	aF	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	aG	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	aH	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	aI	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	aJ	330	Total	C	N	O	S	0	0
			2639	1664	468	501	6		

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Mol	Chain	Residues	Atoms					AltConf	Trace
8	aK	327	Total	C	N	O	S	0	0
			2624	1655	465	499	5		
8	aY	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	aZ	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	aa	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	ab	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	ac	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	ad	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	ae	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	af	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	ag	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	ah	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	ai	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	aj	330	Total	C	N	O	S	0	0
			2639	1664	468	501	6		
8	ax	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	ay	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	az	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	bN	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	bO	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	bP	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	bQ	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	bR	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		

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Mol	Chain	Residues	Atoms					AltConf	Trace
8	bS	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	bT	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	bU	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	bV	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	bW	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	bX	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	bY	330	Total	C	N	O	S	0	0
			2639	1664	468	501	6		
8	bZ	327	Total	C	N	O	S	0	0
			2624	1655	465	499	5		
8	bn	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	bo	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	bp	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	bq	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	br	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	bs	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	bt	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	bu	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	bv	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	bw	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	bx	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	by	330	Total	C	N	O	S	0	0
			2639	1664	468	501	6		
8	bz	327	Total	C	N	O	S	0	0
			2624	1655	465	499	5		

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Mol	Chain	Residues	Atoms					AltConf	Trace
8	c0	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	c4	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	c5	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	c6	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	c7	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	c8	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	c9	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	cD	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	cE	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	cF	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	cG	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	cH	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	cI	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	cJ	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	cK	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	cL	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	cM	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	cN	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	cO	330	Total	C	N	O	S	0	0
			2639	1664	468	501	6		
8	cP	327	Total	C	N	O	S	0	0
			2624	1655	465	499	5		
8	cd	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		

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Mol	Chain	Residues	Atoms					AltConf	Trace
8	ce	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	cf	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	cg	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	ch	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	ci	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	cj	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	ck	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	cl	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	cm	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	cn	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	co	330	Total	C	N	O	S	0	0
			2639	1664	468	501	6		
8	cp	327	Total	C	N	O	S	0	0
			2624	1655	465	499	5		
8	dA	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	dB	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	dC	331	Total	C	N	O	S	0	0
			2647	1668	469	504	6		
8	dD	330	Total	C	N	O	S	0	0
			2640	1664	468	502	6		
8	dE	330	Total	C	N	O	S	0	0
			2639	1664	468	501	6		
8	dF	327	Total	C	N	O	S	0	0
			2624	1655	465	499	5		

- Molecule 9 is a protein called Putative tail fiber protein.

Mol	Chain	Residues	Atoms					AltConf	Trace
9	d1	153	Total	C	N	O	S	0	0
			1188	751	199	236	2		

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Mol	Chain	Residues	Atoms					AltConf	Trace
9	d2	153	Total	C	N	O	S	0	0
			1184	748	199	235	2		
9	d3	135	Total	C	N	O	S	0	0
			1057	678	174	204	1		
9	d4	153	Total	C	N	O	S	0	0
			1184	748	199	235	2		
9	d5	153	Total	C	N	O	S	0	0
			1188	751	199	236	2		
9	dz	135	Total	C	N	O	S	0	0
			1057	678	174	204	1		
9	ef	135	Total	C	N	O	S	0	0
			1057	678	174	204	1		
9	eg	153	Total	C	N	O	S	0	0
			1188	751	199	236	2		
9	eh	153	Total	C	N	O	S	0	0
			1184	748	199	235	2		
9	ei	135	Total	C	N	O	S	0	0
			1057	678	174	204	1		
9	ej	153	Total	C	N	O	S	0	0
			1184	748	199	235	2		
9	ek	153	Total	C	N	O	S	0	0
			1188	751	199	236	2		
9	fl	135	Total	C	N	O	S	0	0
			1057	678	174	204	1		
9	fJ	153	Total	C	N	O	S	0	0
			1188	751	199	236	2		
9	fK	153	Total	C	N	O	S	0	0
			1184	748	199	235	2		
9	fL	135	Total	C	N	O	S	0	0
			1057	678	174	204	1		
9	fM	153	Total	C	N	O	S	0	0
			1184	748	199	235	2		
9	fN	153	Total	C	N	O	S	0	0
			1188	751	199	236	2		

- Molecule 10 is a protein called Sheath initiator protein.

Mol	Chain	Residues	Atoms					AltConf	Trace
10	d6	163	Total	C	N	O	S	0	0
			1329	860	217	248	4		
10	d7	163	Total	C	N	O	S	0	0
			1329	860	217	248	4		

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Mol	Chain	Residues	Atoms					AltConf	Trace
10	el	163	Total	C	N	O	S	0	0
			1329	860	217	248	4		
10	em	163	Total	C	N	O	S	0	0
			1329	860	217	248	4		
10	fO	163	Total	C	N	O	S	0	0
			1329	860	217	248	4		
10	fP	163	Total	C	N	O	S	0	0
			1329	860	217	248	4		

- Molecule 11 is a protein called Dit-like phage tail protein N-terminal domain-containing protein.

Mol	Chain	Residues	Atoms					AltConf	Trace
11	dd	249	Total	C	N	O	S	0	0
			1959	1197	355	404	3		
11	de	248	Total	C	N	O	S	0	0
			1950	1191	353	403	3		
11	eK	249	Total	C	N	O	S	0	0
			1959	1197	355	404	3		
11	eL	248	Total	C	N	O	S	0	0
			1950	1191	353	403	3		
11	ex	249	Total	C	N	O	S	0	0
			1959	1197	355	404	3		
11	ey	248	Total	C	N	O	S	0	0
			1950	1191	353	403	3		

- Molecule 12 is a protein called Cyanophage baseplate Pam3 plug gp18 domain-containing protein.

Mol	Chain	Residues	Atoms					AltConf	Trace
12	df	112	Total	C	N	O	S	0	0
			920	591	153	172	4		
12	dg	112	Total	C	N	O	S	0	0
			920	591	153	172	4		
12	eI	112	Total	C	N	O	S	0	0
			920	591	153	172	4		
12	eM	112	Total	C	N	O	S	0	0
			920	591	153	172	4		
12	eN	112	Total	C	N	O	S	0	0
			920	591	153	172	4		
12	ez	112	Total	C	N	O	S	0	0
			920	591	153	172	4		

- Molecule 13 is a protein called Wedge 1 protein.

Mol	Chain	Residues	Atoms					AltConf	Trace
13	dh	165	Total	C	N	O	S	0	0
			1285	817	218	247	3		
13	di	165	Total	C	N	O	S	0	0
			1285	817	218	247	3		
13	e2	165	Total	C	N	O	S	0	0
			1285	817	218	247	3		
13	e3	165	Total	C	N	O	S	0	0
			1285	817	218	247	3		
13	eO	165	Total	C	N	O	S	0	0
			1285	817	218	247	3		
13	eP	165	Total	C	N	O	S	0	0
			1285	817	218	247	3		

- Molecule 14 is a protein called baseplate assembly protein.

Mol	Chain	Residues	Atoms					AltConf	Trace
14	dk	336	Total	C	N	O	S	0	0
			2596	1630	442	517	7		
14	dl	484	Total	C	N	O	S	0	0
			3703	2322	620	749	12		
14	dm	484	Total	C	N	O	S	0	0
			3703	2322	620	749	12		
14	dn	336	Total	C	N	O	S	0	0
			2596	1630	442	517	7		
14	e5	336	Total	C	N	O	S	0	0
			2596	1630	442	517	7		
14	e6	484	Total	C	N	O	S	0	0
			3703	2322	620	749	12		
14	e7	484	Total	C	N	O	S	0	0
			3703	2322	620	749	12		
14	e8	336	Total	C	N	O	S	0	0
			2596	1630	442	517	7		
14	eR	336	Total	C	N	O	S	0	0
			2596	1630	442	517	7		
14	eS	484	Total	C	N	O	S	0	0
			3703	2322	620	749	12		
14	eT	484	Total	C	N	O	S	0	0
			3703	2322	620	749	12		
14	eU	336	Total	C	N	O	S	0	0
			2596	1630	442	517	7		

- Molecule 15 is a protein called Putative tape measure protein.

Mol	Chain	Residues	Atoms					AltConf	Trace
15	dp	26	Total	C	N	O	S	0	0
			208	128	40	38	2		
15	e0	26	Total	C	N	O	S	0	0
			208	128	40	38	2		
15	eW	26	Total	C	N	O	S	0	0
			208	128	40	38	2		

- Molecule 16 is a protein called Tail protein.

Mol	Chain	Residues	Atoms					AltConf	Trace
16	dq	305	Total	C	N	O	S	0	0
			2376	1497	401	471	7		
16	eX	305	Total	C	N	O	S	0	0
			2376	1497	401	471	7		
16	fA	305	Total	C	N	O	S	0	0
			2376	1497	401	471	7		

- Molecule 17 is a protein called Putative baseplate assembly protein.

Mol	Chain	Residues	Atoms					AltConf	Trace
17	dr	228	Total	C	N	O	S	0	0
			1726	1076	300	343	7		
17	eY	228	Total	C	N	O	S	0	0
			1726	1076	300	343	7		
17	fB	228	Total	C	N	O	S	0	0
			1726	1076	300	343	7		

- Molecule 18 is a protein called Short tail fiber.

Mol	Chain	Residues	Atoms					AltConf	Trace
18	dt	90	Total	C	N	O	S	0	0
			716	460	121	134	1		
18	du	90	Total	C	N	O	S	0	0
			716	460	121	134	1		
18	dv	90	Total	C	N	O	S	0	0
			716	460	121	134	1		
18	dw	90	Total	C	N	O	S	0	0
			716	460	121	134	1		
18	dx	90	Total	C	N	O	S	0	0
			716	460	121	134	1		
18	dy	90	Total	C	N	O	S	0	0
			716	460	121	134	1		

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Mol	Chain	Residues	Atoms					AltConf	Trace
18	eZ	90	Total 716	C 460	N 121	O 134	S 1	0	0
18	ea	90	Total 716	C 460	N 121	O 134	S 1	0	0
18	eb	90	Total 716	C 460	N 121	O 134	S 1	0	0
18	ec	90	Total 716	C 460	N 121	O 134	S 1	0	0
18	ed	90	Total 716	C 460	N 121	O 134	S 1	0	0
18	ee	90	Total 716	C 460	N 121	O 134	S 1	0	0
18	fC	90	Total 716	C 460	N 121	O 134	S 1	0	0
18	fD	90	Total 716	C 460	N 121	O 134	S 1	0	0
18	fE	90	Total 716	C 460	N 121	O 134	S 1	0	0
18	fF	90	Total 716	C 460	N 121	O 134	S 1	0	0
18	fG	90	Total 716	C 460	N 121	O 134	S 1	0	0
18	fH	90	Total 716	C 460	N 121	O 134	S 1	0	0

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

3 Experimental information

Property	Value	Source
EM reconstruction method	SINGLE PARTICLE	Depositor
Imposed symmetry	POINT, Not provided	
Number of particles used	12638	Depositor
Resolution determination method	FSC 0.143 CUT-OFF	Depositor
CTF correction method	PHASE FLIPPING AND AMPLITUDE CORRECTION	Depositor
Microscope	FEI TITAN KRIOS	Depositor
Voltage (kV)	300	Depositor
Electron dose ($e^-/\text{\AA}^2$)	50	Depositor
Minimum defocus (nm)	1000	Depositor
Maximum defocus (nm)	4000	Depositor
Magnification	Not provided	
Image detector	FEI FALCON III (4k x 4k)	Depositor
Maximum map value	0.460	Depositor
Minimum map value	-0.400	Depositor
Average map value	0.000	Depositor
Map value standard deviation	0.012	Depositor
Recommended contour level	0.0356	Depositor
Map size (Å)	2773.98, 2773.98, 2773.98	wwPDB
Map dimensions	440, 440, 440	wwPDB
Map angles (°)	90.0, 90.0, 90.0	wwPDB
Pixel spacing (Å)	6.3045, 6.3045, 6.3045	Depositor

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](#)

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

4.5 Carbohydrates [i](#)

There are no oligosaccharides in this entry.

4.6 Ligand geometry [i](#)

There are no ligands in this entry.

4.7 Other polymers [i](#)

There are no such residues in this entry.

4.8 Polymer linkage issues ⓘ

There are no chain breaks in this entry.

5 Map visualisation [i](#)

This section contains visualisations of the EMDB entry EMD-48317. These allow visual inspection of the internal detail of the map and identification of artifacts.

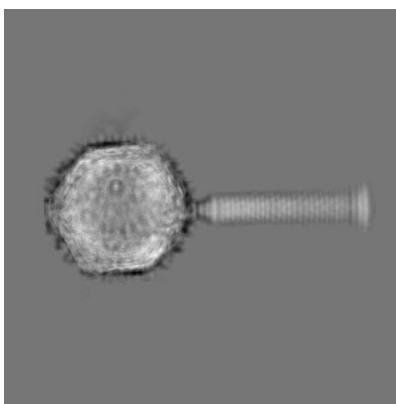
Images derived from a raw map, generated by summing the deposited half-maps, are presented below the corresponding image components of the primary map to allow further visual inspection and comparison with those of the primary map.

5.1 Orthogonal projections [i](#)

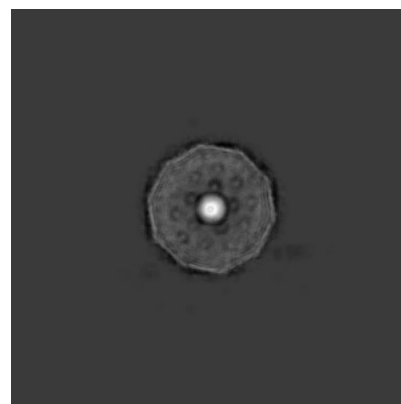
5.1.1 Primary map



X

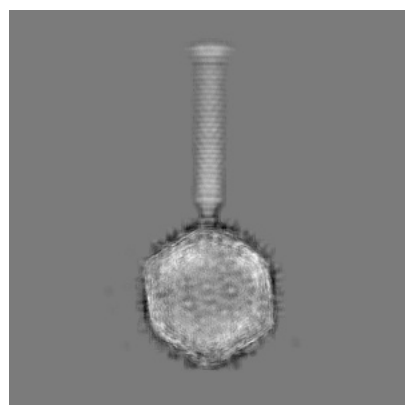


Y

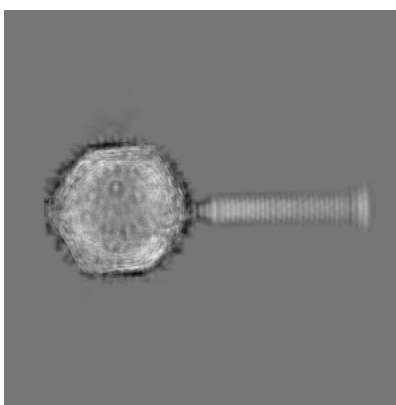


Z

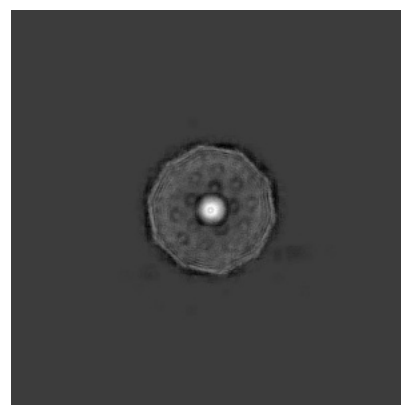
5.1.2 Raw map



X



Y



Z

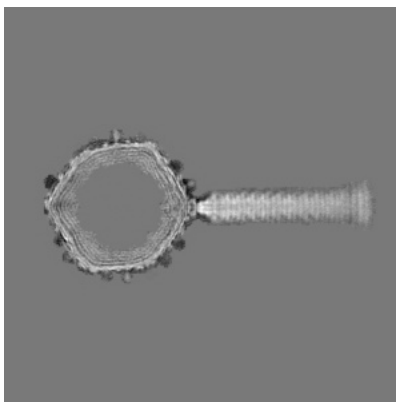
The images above show the map projected in three orthogonal directions.

5.2 Central slices [i](#)

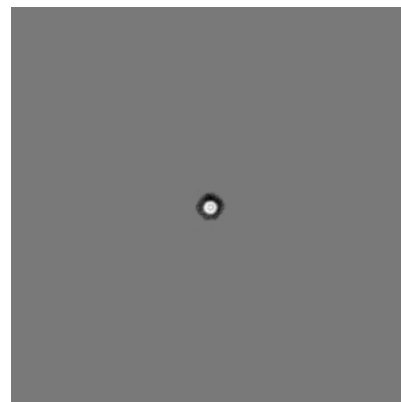
5.2.1 Primary map



X Index: 220

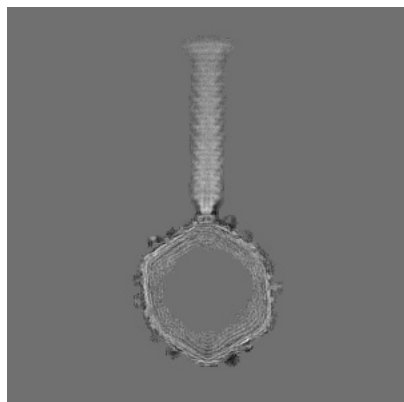


Y Index: 220

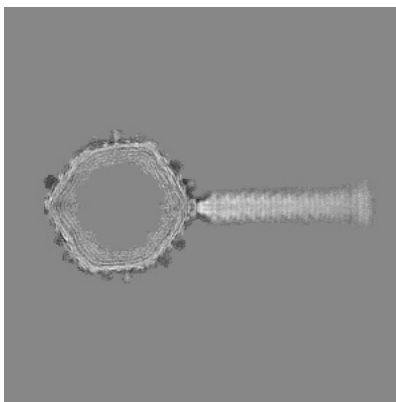


Z Index: 220

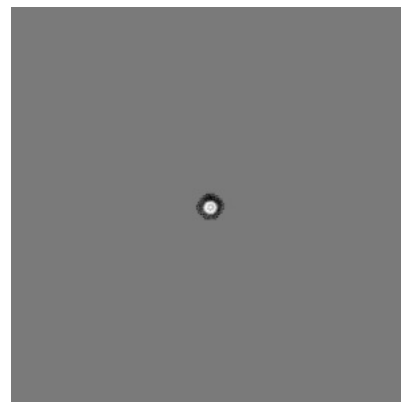
5.2.2 Raw map



X Index: 220



Y Index: 220



Z Index: 220

The images above show central slices of the map in three orthogonal directions.

5.3 Largest variance slices [i](#)

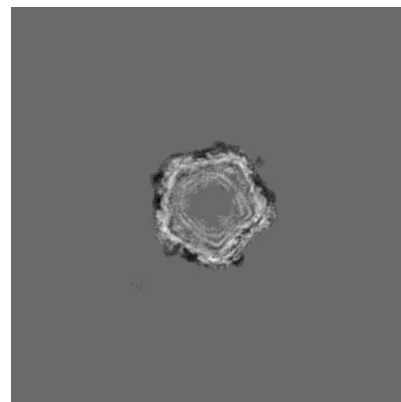
5.3.1 Primary map



X Index: 224



Y Index: 225

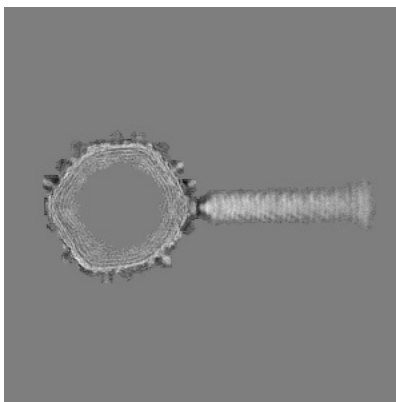


Z Index: 169

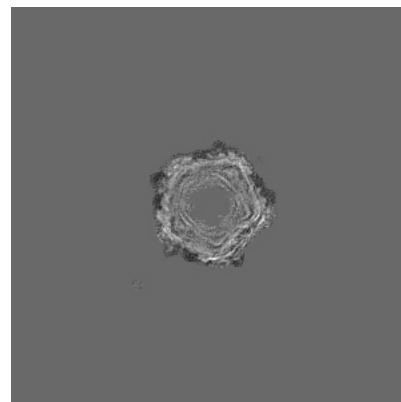
5.3.2 Raw map



X Index: 224



Y Index: 225

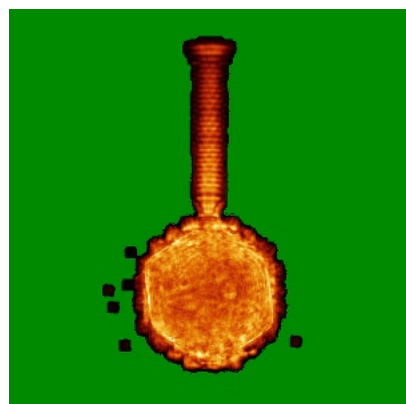


Z Index: 170

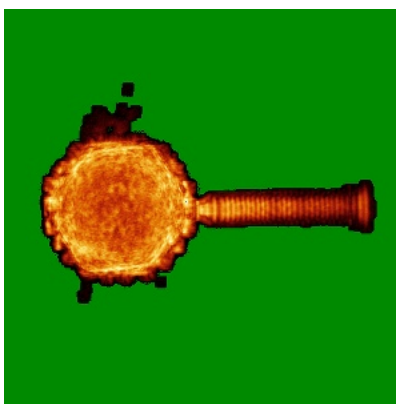
The images above show the largest variance slices of the map in three orthogonal directions.

5.4 Orthogonal standard-deviation projections (False-color) [i](#)

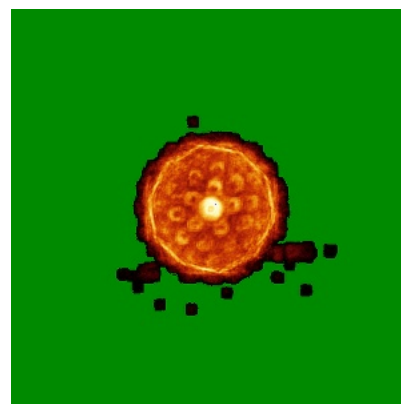
5.4.1 Primary map



X

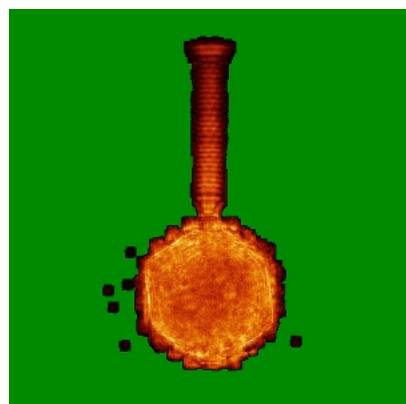


Y

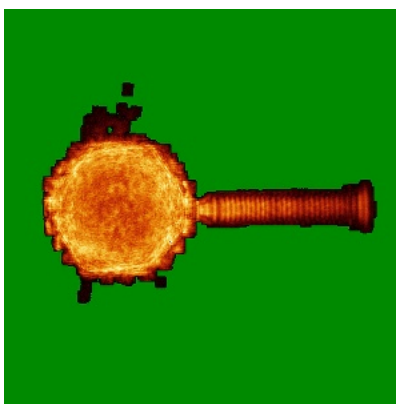


Z

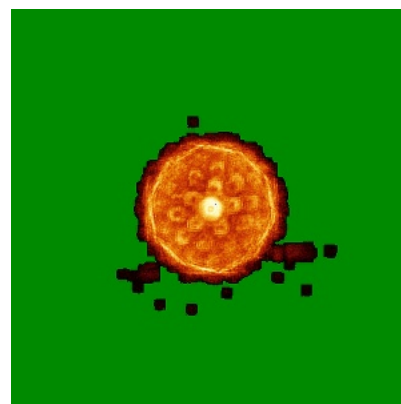
5.4.2 Raw map



X



Y

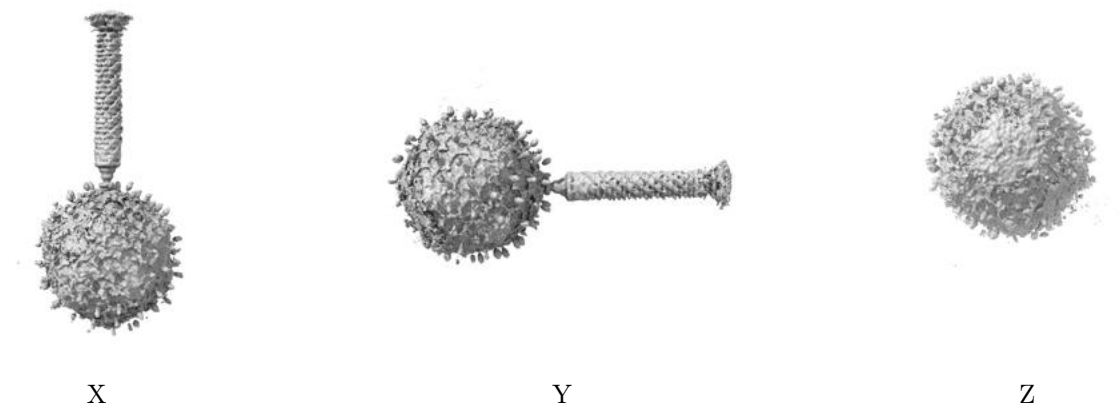


Z

The images above show the map standard deviation projections with false color in three orthogonal directions. Minimum values are shown in green, max in blue, and dark to light orange shades represent small to large values respectively.

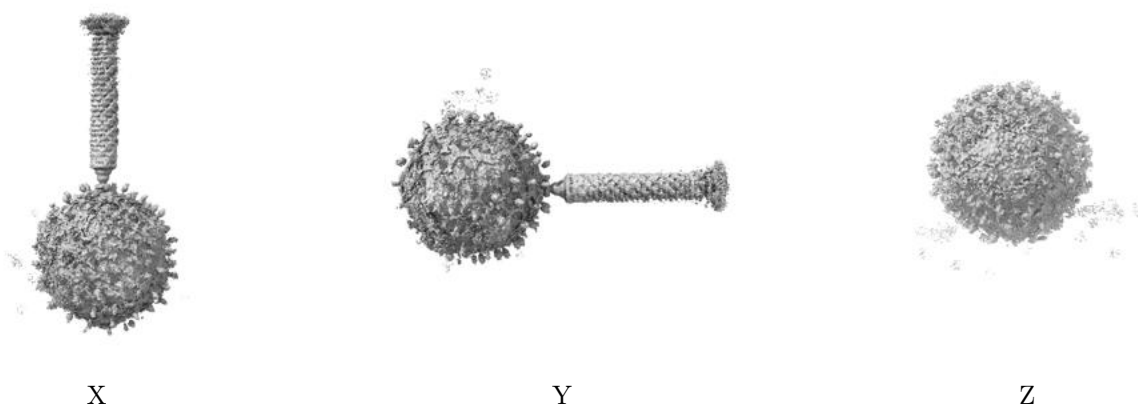
5.5 Orthogonal surface views [i](#)

5.5.1 Primary map



The images above show the 3D surface view of the map at the recommended contour level 0.0356. These images, in conjunction with the slice images, may facilitate assessment of whether an appropriate contour level has been provided.

5.5.2 Raw map



These images show the 3D surface of the raw map. The raw map's contour level was selected so that its surface encloses the same volume as the primary map does at its recommended contour level.

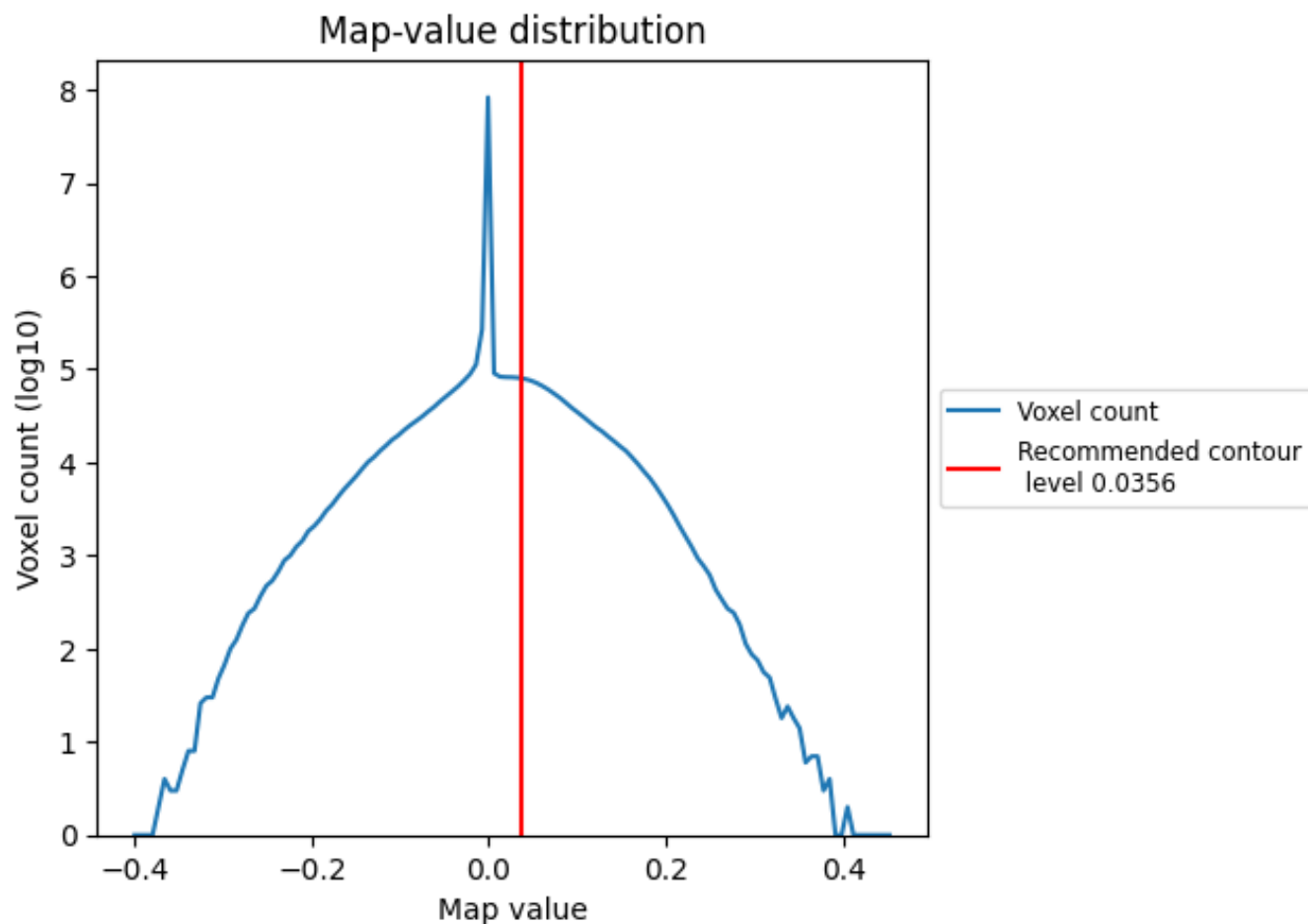
5.6 Mask visualisation [i](#)

This section was not generated. No masks/segmentation were deposited.

6 Map analysis [i](#)

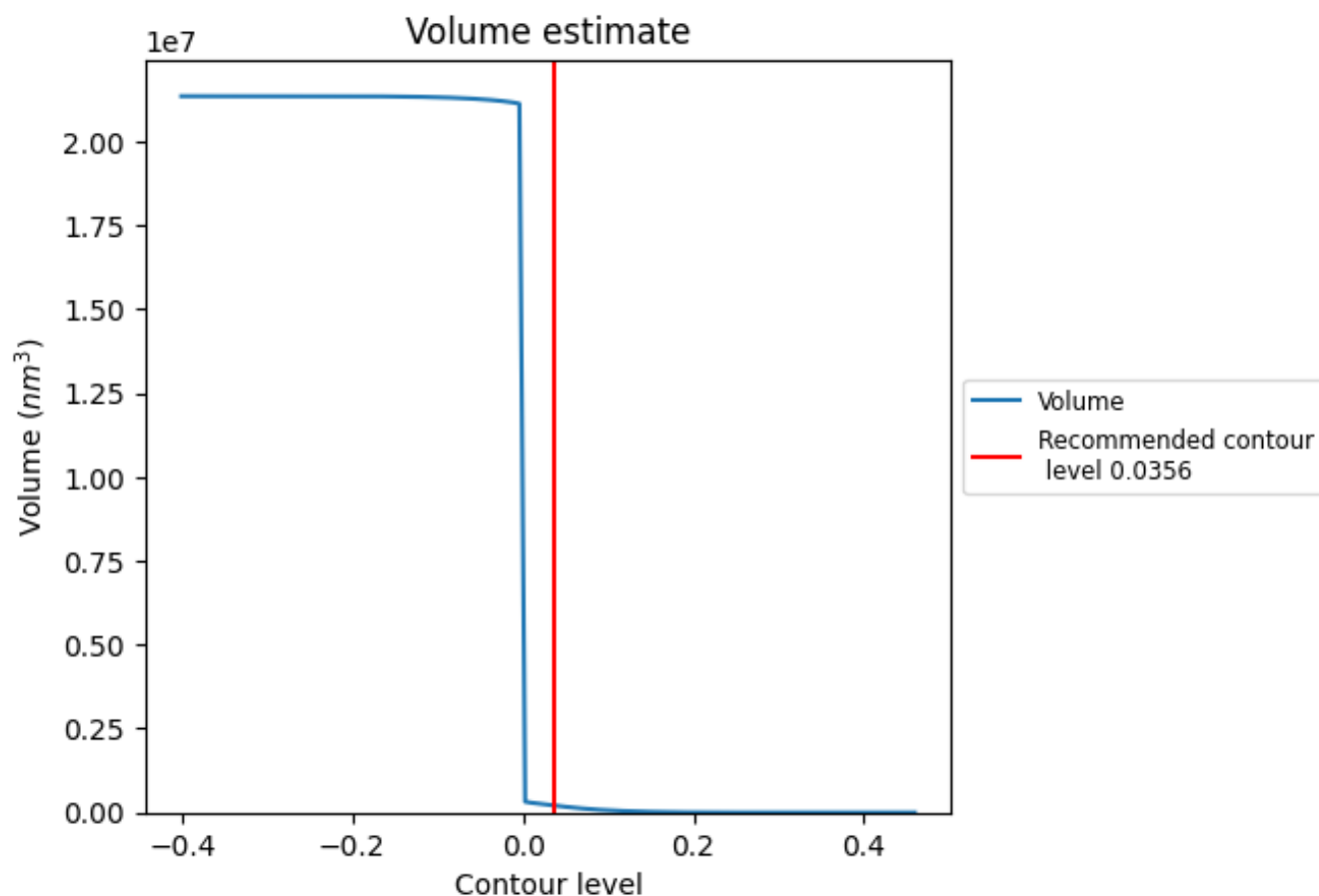
This section contains the results of statistical analysis of the map.

6.1 Map-value distribution [i](#)



The map-value distribution is plotted in 128 intervals along the x-axis. The y-axis is logarithmic. A spike in this graph at zero usually indicates that the volume has been masked.

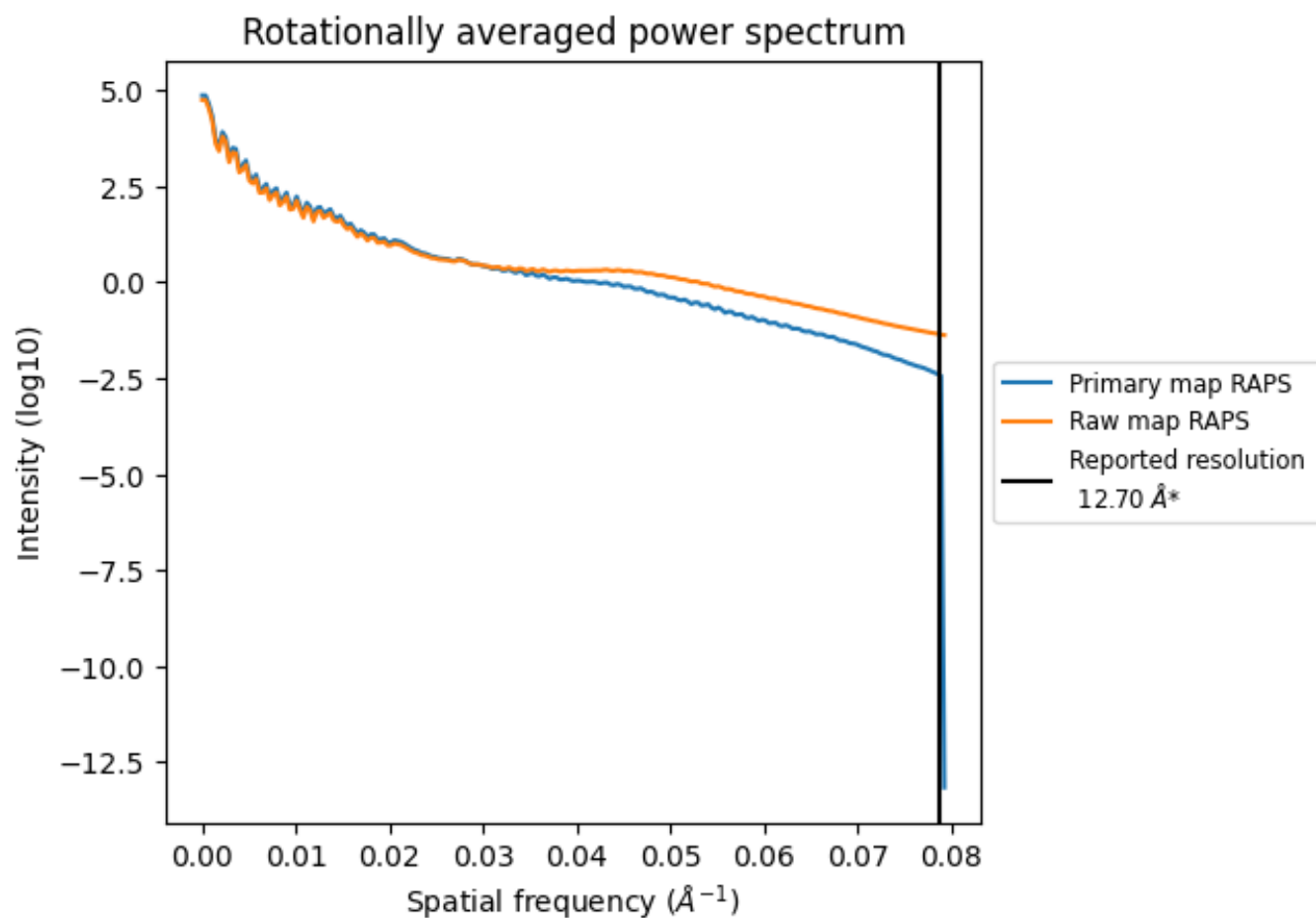
6.2 Volume estimate [i](#)



The volume at the recommended contour level is 213351 nm³; this corresponds to an approximate mass of 192726 kDa.

The volume estimate graph shows how the enclosed volume varies with the contour level. The recommended contour level is shown as a vertical line and the intersection between the line and the curve gives the volume of the enclosed surface at the given level.

6.3 Rotationally averaged power spectrum ⓘ

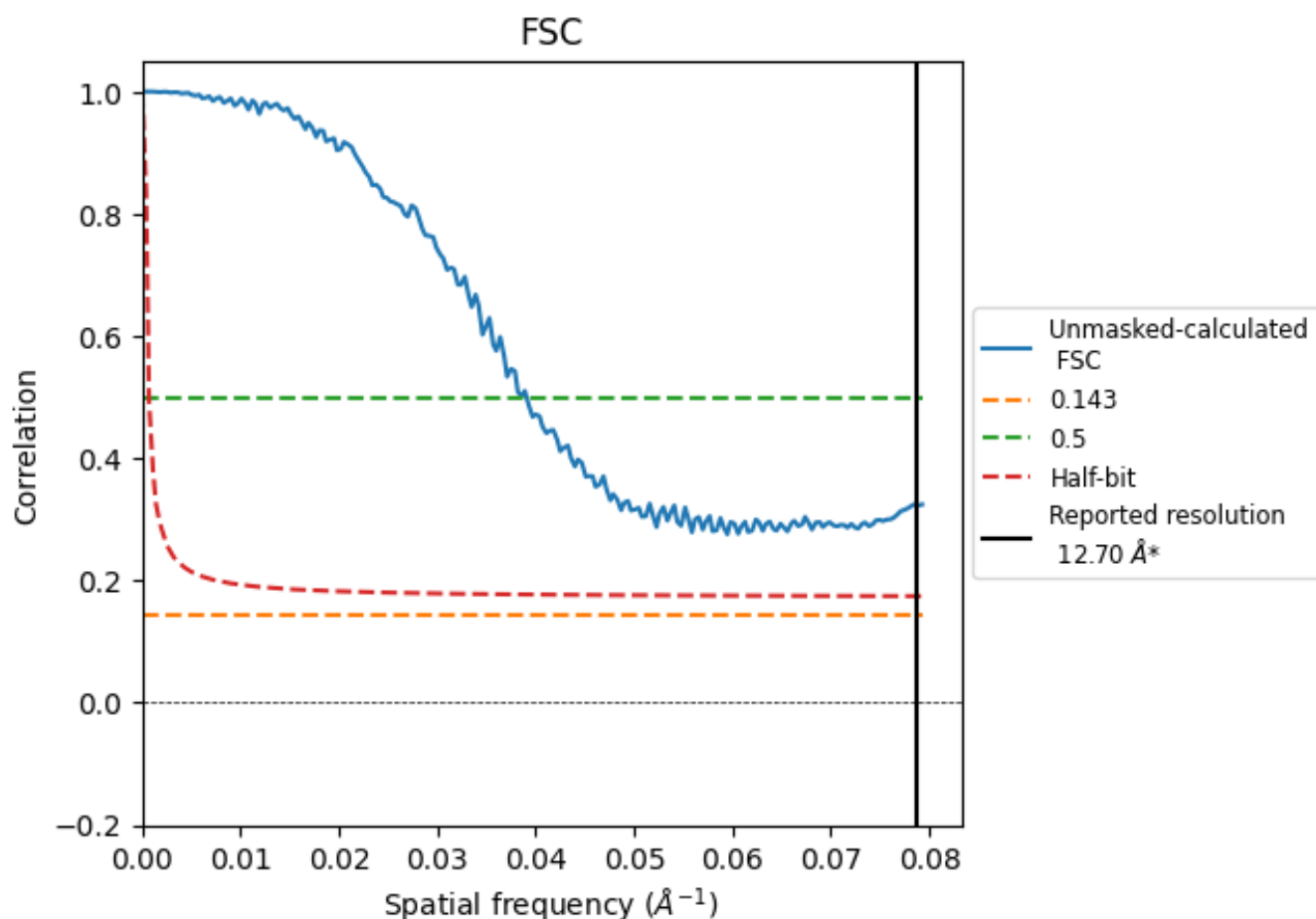


*Reported resolution corresponds to spatial frequency of 0.079 Å⁻¹

7 Fourier-Shell correlation [i](#)

Fourier-Shell Correlation (FSC) is the most commonly used method to estimate the resolution of single-particle and subtomogram-averaged maps. The shape of the curve depends on the imposed symmetry, mask and whether or not the two 3D reconstructions used were processed from a common reference. The reported resolution is shown as a black line. A curve is displayed for the half-bit criterion in addition to lines showing the 0.143 gold standard cut-off and 0.5 cut-off.

7.1 FSC [i](#)



*Reported resolution corresponds to spatial frequency of 0.079 $\text{\AA}^{-1}$

7.2 Resolution estimates [i](#)

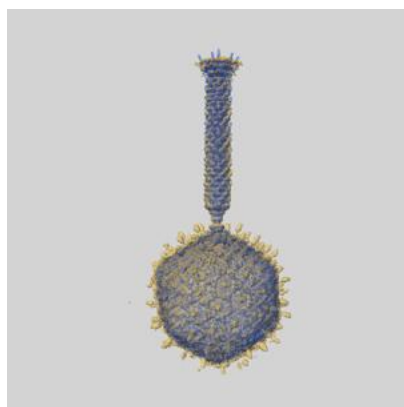
Resolution estimate (Å)	Estimation criterion (FSC cut-off)		
	0.143	0.5	Half-bit
Reported by author	12.70	-	-
Author-provided FSC curve	-	-	-
Unmasked-calculated*	-	25.58	-

*Resolution estimate based on FSC curve calculated by comparison of deposited half-maps.

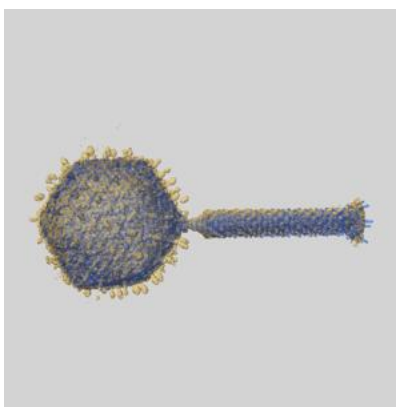
8 Map-model fit [i](#)

This section contains information regarding the fit between EMDB map EMD-48317 and PDB model 9MJN. Per-residue inclusion information can be found in section ?? on page ??.

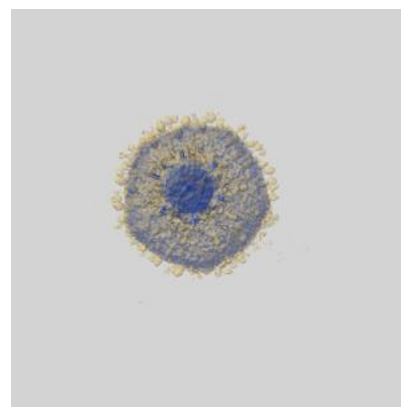
8.1 Map-model overlay [i](#)



X



Y



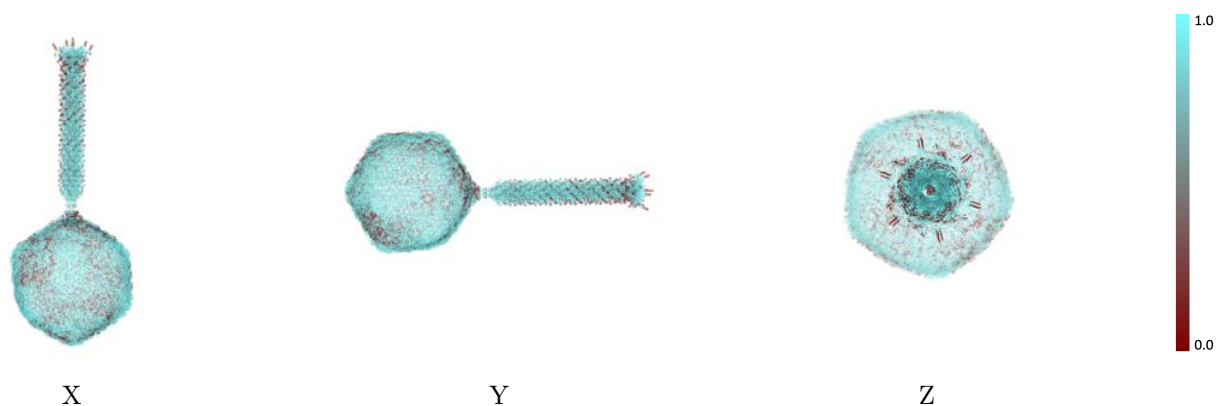
Z

The images above show the 3D surface view of the map at the recommended contour level 0.0356 at 50% transparency in yellow overlaid with a ribbon representation of the model coloured in blue. These images allow for the visual assessment of the quality of fit between the atomic model and the map.

8.2 Q-score mapped to coordinate model [i](#)

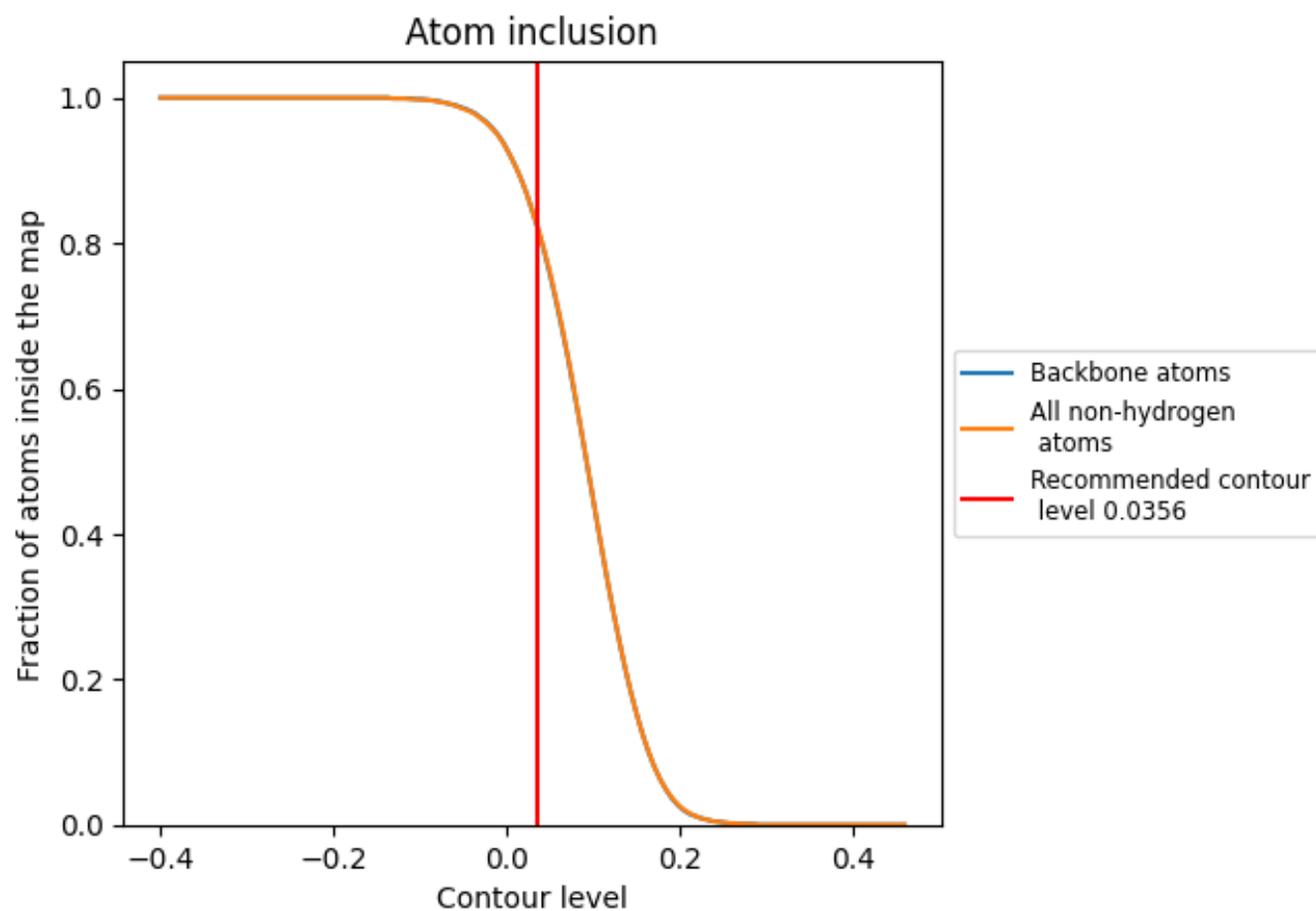
This section was not generated.

8.3 Atom inclusion mapped to coordinate model [i](#)



The images above show the model with each residue coloured according to its atom inclusion. This shows to what extent they are inside the map at the recommended contour level (0.0356).

8.4 Atom inclusion [i](#)



At the recommended contour level, 82% of all backbone atoms, 82% of all non-hydrogen atoms, are inside the map.

8.5 Map-model fit summary ⓘ

The table lists the average atom inclusion at the recommended contour level (0.0356) and Q-score for the entire model and for each chain.

Chain	Atom inclusion
All	 0.8220
0	 1.0000
1	 0.6120
2	 0.5550
3	 0.6790
4	 0.9910
5	 1.0000
6	 1.0000
7	 0.9020
8	 0.9050
9	 0.8980
A	 0.7570
A0	 1.0000
A1	 0.9190
A2	 1.0000
A3	 0.9150
A4	 1.0000
A5	 0.9000
A6	 1.0000
A7	 0.9310
A8	 1.0000
A9	 0.9700
AA	 0.8820
AB	 1.0000
AC	 0.8580
AD	 1.0000
AE	 0.8280
AF	 1.0000
AG	 0.8060
AH	 1.0000
AI	 0.8150
AJ	 1.0000
AK	 0.8580
AL	 1.0000
AM	 0.8630



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Chain	Atom inclusion
AN	 1.0000
AO	 0.8410
AP	 1.0000
AQ	 0.8970
AR	 1.0000
AS	 0.9230
AT	 1.0000
AU	 0.9310
AV	 1.0000
AW	 0.8750
AX	 1.0000
AY	 0.8130
AZ	 1.0000
Aa	 0.8570
Ab	 1.0000
Ac	 0.8050
Ad	 1.0000
Ae	 0.7190
Af	 1.0000
Ag	 0.7690
Ah	 1.0000
Ai	 0.7280
Aj	 1.0000
Ak	 0.6650
Al	 1.0000
Am	 0.5940
An	 1.0000
Ao	 0.7040
Ap	 1.0000
Aq	 0.8870
Ar	 1.0000
As	 0.8610
At	 1.0000
Au	 0.7910
Av	 1.0000
Aw	 0.8320
Ax	 1.0000
Ay	 0.8800
Az	 1.0000
B	 0.5230
B0	 1.0000
B1	 0.7510

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Chain	Atom inclusion
B2	 1.0000
B3	 0.7940
B4	 1.0000
B5	 0.7740
B6	 1.0000
B7	 0.8090
B8	 1.0000
B9	 0.7940
BA	 0.9320
BB	 1.0000
BC	 0.8780
BD	 1.0000
BE	 0.8490
BF	 1.0000
BG	 0.7430
BH	 1.0000
BI	 0.7680
BJ	 1.0000
BK	 0.8070
BL	 1.0000
BM	 0.6960
BN	 1.0000
BO	 0.8090
BP	 1.0000
BQ	 0.7360
BR	 1.0000
BS	 0.7320
BT	 1.0000
BU	 0.6910
BV	 1.0000
BW	 0.7440
BX	 1.0000
BY	 0.8900
BZ	 1.0000
Ba	 0.8310
Bb	 1.0000
Bc	 0.8980
Bd	 1.0000
Be	 0.8930
Bf	 1.0000
Bg	 0.9300
Bh	 1.0000

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Chain	Atom inclusion
Bi	 0.9560
Bj	 1.0000
Bk	 0.9440
Bl	 1.0000
Bm	 0.9160
Bn	 1.0000
Bo	 0.9020
Bp	 1.0000
Bq	 0.9030
Br	 1.0000
Bs	 0.8840
Bt	 1.0000
Bu	 0.8100
Bv	 1.0000
Bw	 0.7730
Bx	 1.0000
By	 0.7220
Bz	 1.0000
C	 0.7220
C0	 1.0000
C1	 0.9110
C2	 1.0000
C3	 0.9200
C4	 1.0000
C5	 0.9180
C6	 1.0000
C7	 0.9560
C8	 1.0000
C9	 0.9530
CA	 0.7760
CB	 1.0000
CC	 0.8570
CD	 1.0000
CE	 0.8590
CF	 1.0000
CG	 0.8840
CH	 1.0000
CI	 0.9060
CJ	 1.0000
CK	 0.9150
CL	 1.0000
CM	 0.9520

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Chain	Atom inclusion
CN	 1.0000
CO	 0.9830
CP	 1.0000
CQ	 0.9630
CR	 1.0000
CS	 0.9600
CT	 1.0000
CU	 0.8950
CV	 1.0000
CW	 0.8030
CX	 1.0000
CY	 0.8220
CZ	 1.0000
Ca	 0.7840
Cb	 1.0000
Cc	 0.7390
Cd	 1.0000
Ce	 0.7390
Cf	 1.0000
Cg	 0.7060
Ch	 1.0000
Ci	 0.7370
Cj	 1.0000
Ck	 0.8240
Cl	 1.0000
Cm	 0.8320
Cn	 1.0000
Co	 0.8770
Cp	 1.0000
Cq	 0.8850
Cr	 1.0000
Cs	 0.8460
Ct	 1.0000
Cu	 0.7320
Cv	 1.0000
Cw	 0.8150
Cx	 1.0000
Cy	 0.9110
Cz	 1.0000
D	 0.7640
D0	 1.0000
D1	 0.8770

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Chain	Atom inclusion
D2	 1.0000
D3	 0.8470
D4	 1.0000
D5	 0.8200
D6	 1.0000
D7	 0.8570
D8	 1.0000
D9	 0.8800
DA	 0.9020
DB	 1.0000
DC	 0.8470
DD	 1.0000
DE	 0.8140
DF	 1.0000
DG	 0.7870
DH	 1.0000
DI	 0.8170
DJ	 1.0000
DK	 0.8050
DL	 1.0000
DM	 0.7690
DN	 1.0000
DO	 0.7820
DP	 1.0000
DQ	 0.8230
DR	 1.0000
DS	 0.8520
DT	 1.0000
DU	 0.8710
DV	 1.0000
DW	 0.8890
DX	 1.0000
DY	 0.8370
DZ	 1.0000
Da	 0.7510
Db	 1.0000
Dc	 0.6080
Dd	 1.0000
De	 0.6800
Df	 1.0000
Dg	 0.9310
Dh	 1.0000

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Chain	Atom inclusion
Di	 0.9090
Dj	 1.0000
Dk	 0.9490
Dl	 1.0000
Dm	 0.8460
Dn	 1.0000
Do	 0.8400
Dp	 1.0000
Dq	 0.8370
Dr	 1.0000
Ds	 0.8290
Dt	 1.0000
Du	 0.7740
Dv	 1.0000
Dw	 0.7890
Dx	 1.0000
Dy	 0.8060
Dz	 1.0000
E	 0.7520
E0	 0.8330
E1	 0.8920
E2	 0.7790
E3	 0.9650
E4	 0.9220
E5	 0.7720
E6	 0.7750
E7	 0.9210
E8	 0.6610
E9	 0.7250
EA	 0.8690
EB	 1.0000
EC	 0.8810
ED	 1.0000
EE	 0.8680
EF	 1.0000
EG	 0.7480
EH	 1.0000
EI	 0.7360
EJ	 1.0000
EK	 0.6430
EL	 1.0000
EM	 0.6460

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Chain	Atom inclusion
EN	 1.0000
EO	 0.8150
EP	 0.8270
EQ	 0.8170
ER	 0.8770
ES	 0.8330
ET	 0.7710
EU	 0.8740
EV	 0.8170
EW	 0.7920
EX	 0.6740
EY	 0.7610
EZ	 0.9040
Ea	 0.9800
Eb	 0.7500
Ec	 0.6420
Ed	 0.8370
Ee	 0.7010
Ef	 0.7020
Eg	 0.6020
Eh	 0.6150
Ei	 0.5960
Ej	 0.5420
Ek	 0.7770
El	 0.7610
Em	 0.8930
En	 0.8320
Eo	 0.4760
Ep	 0.8460
Eq	 0.8430
Er	 0.7990
Es	 0.8660
Et	 0.8030
Eu	 0.6590
Ev	 0.7050
Ew	 0.8500
Ex	 0.9550
Ey	 0.9850
Ez	 0.9010
F	 0.9960
F0	 0.9450
F1	 0.8760

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Chain	Atom inclusion
F2	 0.6440
F3	 0.9790
F4	 0.9200
F5	 0.9190
F6	 0.6370
F7	 0.6720
F8	 0.7720
F9	 0.8610
FA	 0.5140
FB	 0.4450
FC	 0.6300
FD	 0.7760
FE	 0.7360
FF	 0.7780
FG	 0.9050
FH	 0.8910
FI	 0.8850
FJ	 0.7370
FK	 0.7660
FL	 0.7050
FM	 0.7510
FN	 0.7610
FO	 0.8140
FP	 0.7300
FQ	 0.9000
FR	 0.5210
FS	 0.4880
FT	 0.5070
FU	 0.5300
FV	 0.6110
FW	 0.6030
FX	 0.7570
FY	 0.6400
FZ	 0.3220
Fa	 0.4030
Fb	 0.4510
Fc	 0.4680
Fd	 0.6180
Fe	 0.9150
Ff	 0.9500
Fg	 0.9050
Fh	 0.8400

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Chain	Atom inclusion
Fi	0.5670
Fj	0.7250
Fk	0.5400
Fl	0.5920
Fm	0.5140
Fn	0.5660
Fo	0.5810
Fp	0.7000
Fq	0.4570
Fr	0.6290
Fs	0.3230
Ft	0.6240
Fu	0.8070
Fv	0.7090
Fw	0.9940
Fx	0.8640
Fy	0.7470
Fz	0.7560
G	1.0000
G0	0.7760
G1	0.8810
G2	0.9550
G3	0.9310
G4	0.8310
G5	0.9130
G6	0.7530
G7	0.7340
G8	0.6750
G9	0.5640
GA	0.8310
GB	0.7540
GC	0.8810
GD	0.9300
GE	0.8930
GF	0.9080
GG	0.4800
GH	0.3760
GI	0.7210
GJ	0.7440
GK	0.8990
GL	0.8540
GM	0.8640

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Chain	Atom inclusion
GN	 0.7980
GO	 0.9610
GP	 0.9330
GQ	 0.9490
GR	 0.8700
GS	 0.9540
GT	 0.9620
GU	 0.9710
GV	 0.9460
GW	 0.9540
GX	 0.8730
GY	 0.8890
GZ	 0.9630
Ga	 0.9510
Gb	 0.8900
Gc	 0.8590
Gd	 0.9200
Ge	 0.9580
Gf	 0.9930
Gg	 0.4570
Gh	 0.4980
Gi	 0.5530
Gj	 0.4730
Gk	 0.8330
Gl	 0.8160
Gm	 0.9550
Gn	 0.8860
Go	 0.8890
Gp	 0.7690
Gq	 0.8420
Gr	 0.9370
Gs	 0.9280
Gt	 0.7110
Gu	 0.7350
Gv	 0.8910
Gw	 0.7980
Gx	 0.8860
Gy	 0.6010
Gz	 0.9570
H	 1.0000
H0	 0.8210
H1	 0.8670

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Chain	Atom inclusion
H2	 0.8450
H3	 0.7840
H4	 0.9310
H5	 0.9110
H6	 0.7280
H7	 0.9550
H8	 0.7940
H9	 0.7400
HA	 0.9470
HB	 0.7110
HC	 0.6740
HD	 0.9000
HE	 0.9070
HF	 0.9790
HG	 0.6500
HH	 0.8910
HI	 0.6140
HJ	 0.8550
HK	 0.7640
HL	 0.5500
HM	 0.3210
HN	 0.3450
HO	 0.5490
HP	 0.8700
HQ	 0.6980
HR	 0.5080
HS	 0.4080
HT	 0.4010
HU	 0.7290
HV	 0.9520
HW	 0.3340
HX	 0.7360
HY	 0.8790
HZ	 0.4850
Ha	 0.7440
Hb	 0.5790
Hc	 0.4820
Hd	 0.5850
He	 0.8350
Hf	 0.8770
Hg	 0.9380
Hh	 0.9720

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Chain	Atom inclusion
Hi	 1.0000
Hj	 0.7590
Hk	 0.8320
Hl	 0.6970
Hm	 0.8540
Hn	 0.8740
Ho	 0.7890
Hp	 0.9620
Hq	 0.9370
Hr	 0.8690
Hs	 0.9330
Ht	 0.8970
Hu	 0.9330
Hv	 0.9950
Hw	 0.9130
Hx	 0.9150
Hy	 0.8440
Hz	 0.7180
I	 0.9210
I0	 0.8280
I1	 0.7980
I2	 0.6580
I3	 0.8220
I4	 0.8450
I5	 0.8450
I6	 0.9020
I7	 0.8300
I8	 0.8070
I9	 0.9240
IA	 0.9050
IB	 0.9180
IC	 0.9100
ID	 0.9320
IE	 0.8140
IF	 0.9160
IG	 0.9740
IH	 0.9780
II	 0.9690
IJ	 0.9740
IK	 0.9440
IL	 0.9700
IM	 0.9280

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Chain	Atom inclusion
IN	 0.8560
IO	 0.7810
IP	 0.7930
IQ	 0.6040
IR	 0.6330
IS	 0.6690
IT	 0.7820
IU	 0.7740
IV	 0.8000
IW	 0.9580
IX	 0.9370
IY	 0.9940
IZ	 0.6920
Ia	 0.9000
Ib	 0.8120
Ic	 0.9370
Id	 0.7440
Ie	 0.5690
If	 0.5970
Ig	 0.4000
Ih	 0.6180
Ii	 0.7800
Ij	 0.8070
Ik	 0.6550
Il	 0.4880
Im	 0.5770
In	 0.5330
Io	 0.8350
Ip	 0.6990
Iq	 0.4390
Ir	 0.7550
Is	 0.6540
It	 0.7710
Iu	 0.5550
Iv	 0.3410
Iw	 0.4100
Ix	 0.2540
Iy	 0.8710
Iz	 0.9550
J	 0.8980
J0	 0.9340
J1	 0.9970

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Chain	Atom inclusion
J2	 0.7940
J3	 0.6850
J4	 0.8460
J5	 0.9160
J6	 0.9860
J7	 1.0000
J8	 0.9980
J9	 0.9920
JA	 0.9270
JB	 0.7660
JC	 0.3980
JD	 0.8180
JE	 0.3930
JF	 0.5470
JG	 0.8720
JH	 0.6020
JI	 0.7310
JJ	 0.6970
JK	 0.3510
JL	 0.7130
JM	 0.5830
JN	 0.3760
JO	 0.9940
JP	 0.9760
JQ	 0.9530
JR	 0.9620
JS	 0.9610
JT	 0.9690
JU	 0.9980
JV	 0.9790
JW	 0.9630
JX	 0.9930
JY	 0.9980
JZ	 0.9970
Ja	 0.9730
Jb	 0.8680
Jc	 0.6580
Jd	 0.7930
Je	 0.6800
Jf	 0.9760
Jg	 0.9630
Jh	 0.9630

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Chain	Atom inclusion
Ji	 0.9060
Jj	 0.8030
Jk	 0.7560
Jl	 0.9090
Jm	 0.9630
Jn	 0.8270
Jo	 0.7760
Jp	 0.9290
Jq	 0.9930
Jr	 0.9380
Js	 0.9070
Jt	 0.9150
Ju	 0.9670
Jv	 0.9680
Jw	 0.9630
Jx	 0.9790
Jy	 0.9690
Jz	 0.9550
K	 0.4840
K0	 0.9720
K1	 0.8010
K2	 0.5110
K3	 0.8090
K4	 0.8880
K5	 0.8860
K6	 0.8500
K7	 0.9020
K8	 0.8650
K9	 0.8210
KA	 0.9160
KB	 0.9620
KC	 0.9600
KD	 0.9400
KE	 0.8550
KF	 0.6450
KG	 0.6100
KH	 0.8690
KI	 0.9570
KJ	 0.8750
KK	 0.6860
KL	 0.7780
KM	 0.7630

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Chain	Atom inclusion
KN	 0.6740
KO	 0.7890
KP	 0.8930
KQ	 0.6180
KR	 0.9130
KS	 0.8690
KT	 0.8680
KU	 0.9690
KV	 0.8340
KW	 0.7430
KX	 0.9870
KY	 0.6860
KZ	 0.6590
Ka	 0.7980
Kb	 0.7530
Kc	 0.6680
Kd	 0.9180
Ke	 0.6880
Kf	 0.4900
Kg	 0.6840
Kh	 0.7730
Ki	 0.8850
Kj	 0.7910
Kk	 0.8270
Kl	 0.9060
Km	 0.9520
Kn	 0.9030
Ko	 0.8750
Kp	 0.9520
Kq	 0.9130
Kr	 0.5950
Ks	 0.8610
Kt	 0.6780
Ku	 0.8210
Kv	 0.9290
Kw	 0.6050
Kx	 0.8620
Ky	 0.7290
Kz	 0.7300
L	 0.6610
L0	 0.8890
L1	 0.8830

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Chain	Atom inclusion
L2	 0.8910
L3	 0.8740
L4	 0.9120
L5	 0.9880
L6	 0.9980
L7	 0.9160
L8	 0.7860
L9	 0.9020
LA	 0.9940
LB	 0.9570
LC	 0.6950
LD	 0.8590
LE	 0.9610
LF	 0.9270
LG	 0.6590
LH	 0.5150
LI	 0.6790
LJ	 0.6250
LK	 0.8340
LL	 0.8150
LM	 0.7840
LN	 0.9430
LO	 0.8760
LP	 0.8710
LQ	 0.8240
LR	 0.9670
LS	 0.8390
LT	 0.6090
LU	 0.7400
LV	 0.7350
LW	 0.8980
LX	 0.8550
LY	 0.7430
LZ	 0.7550
La	 0.8020
Lb	 0.8480
Lc	 0.9090
Ld	 0.9310
Le	 0.8540
Lf	 0.7630
Lg	 0.8440
Lh	 0.7930

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Chain	Atom inclusion
Li	 0.7610
Lj	 0.6340
Lk	 0.9360
Ll	 0.6500
Lm	 0.8640
Ln	 0.8770
Lo	 0.8200
Lp	 0.9070
Lq	 0.8660
Lr	 0.9120
Ls	 0.8760
Lt	 0.9930
Lu	 0.8270
Lv	 0.6980
Lw	 0.7850
Lx	 0.9620
Ly	 0.9830
Lz	 0.9070
M	 0.6730
M0	 0.7840
M1	 0.6710
M2	 0.6970
M3	 0.6470
M4	 0.5510
M5	 0.5630
M6	 0.3640
M7	 0.4050
M8	 0.5880
M9	 0.5440
MA	 0.8450
MB	 0.8520
MC	 0.8850
MD	 0.8410
ME	 0.8630
MF	 0.9330
MG	 0.9520
MH	 1.0000
MI	 0.9660
MJ	 0.9270
MK	 0.9010
ML	 0.9470
MM	 0.9050

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Chain	Atom inclusion
MN	 0.9380
MO	 0.9510
MP	 0.9390
MQ	 0.9790
MR	 0.9370
MS	 0.9680
MT	 0.9710
MU	 0.9810
MV	 0.9950
MW	 0.9520
MX	 0.8480
MY	 0.6680
MZ	 0.6590
Ma	 0.7360
Mb	 0.9780
Mc	 0.9210
Md	 0.9410
Me	 0.9570
Mf	 0.9940
Mg	 0.9950
Mh	 0.7990
Mi	 0.9170
Mj	 0.6640
Mk	 0.6010
ML	 0.4230
Mm	 0.3980
Mn	 0.7030
Mo	 0.7130
Mp	 0.8150
Mq	 0.7970
Mr	 0.8470
Ms	 0.7490
Mt	 0.6490
Mu	 0.7220
Mv	 0.9120
Mw	 0.2600
Mx	 0.5570
My	 0.8450
Mz	 0.6350
N	 0.7250
N0	 0.9400
N1	 0.8950

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Chain	Atom inclusion
N2	 0.9510
N3	 0.8810
N4	 0.8810
N5	 0.7470
N6	 0.5580
N7	 0.7250
N8	 0.8240
N9	 0.8370
NA	 0.8130
NB	 0.7280
NC	 0.7590
ND	 0.8020
NE	 0.8010
NF	 0.9510
NG	 0.9140
NH	 0.8530
NI	 0.8250
NJ	 0.7870
NK	 0.8560
NL	 0.9330
NM	 0.6070
NN	 0.6210
NO	 0.6680
NP	 0.6590
NQ	 0.6840
NR	 0.7400
NS	 0.4900
NT	 0.8650
NU	 0.7180
NV	 0.7340
NW	 0.9530
NX	 0.7760
NY	 0.7760
NZ	 0.9830
Na	 0.9790
Nb	 0.9620
Nc	 0.9660
Nd	 0.9960
Ne	 0.9880
Nf	 0.9900
Ng	 0.9950
Nh	 0.9480

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Chain	Atom inclusion
Ni	 0.9240
Nj	 0.9720
Nk	 0.9580
Nl	 0.9980
Nm	 0.8690
Nn	 0.8380
No	 0.7930
Np	 0.9940
Nq	 0.8760
Nr	 0.9760
Ns	 0.6420
Nt	 0.8890
Nu	 0.7270
Nv	 0.7430
Nw	 0.9550
Nx	 0.6740
Ny	 0.7290
Nz	 0.7600
O	 0.9030
O0	 0.9680
O1	 0.9970
O2	 0.9880
O3	 0.9790
O4	 0.9100
O5	 0.8230
O6	 0.9700
O7	 0.8830
O8	 0.9150
O9	 0.8050
OA	 0.8490
OB	 0.9920
OC	 0.7080
OD	 0.6200
OE	 0.5320
OF	 0.5600
OG	 0.3400
OH	 0.2870
OI	 0.6550
OJ	 0.5520
OK	 0.4160
OL	 0.7280
OM	 0.7990

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Chain	Atom inclusion
ON	 0.8200
OO	 0.7830
OP	 0.7030
OQ	 0.8010
OR	 0.8080
OS	 0.7730
OT	 0.8070
OU	 0.8120
OV	 0.9440
OW	 0.9240
OX	 0.8880
OY	 0.8310
OZ	 0.8860
Oa	 0.9700
Ob	 0.9890
Oc	 0.7560
Od	 0.8930
Oe	 0.7200
Of	 0.6220
Og	 0.6990
Oh	 0.4790
Oi	 0.7330
Oj	 0.6410
Ok	 0.5440
Ol	 0.5890
Om	 0.8280
On	 0.7910
Oo	 0.9760
Op	 0.8950
Oq	 0.9400
Or	 0.9070
Os	 0.9130
Ot	 0.9700
Ou	 0.9980
Ov	 0.9970
Ow	 0.9730
Ox	 0.9860
Oy	 0.9980
Oz	 0.9960
P	 0.9990
P0	 0.8780
P1	 0.9140

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Chain	Atom inclusion
P2	 0.7900
P3	 0.8570
P4	 0.9270
P5	 0.9100
P6	 0.8980
P7	 0.9510
P8	 0.9020
P9	 0.7770
PA	 0.8190
PB	 0.8600
PC	 0.9890
PD	 0.8550
PE	 0.8520
PF	 0.9520
PG	 0.9860
PH	 0.9230
PI	 0.8130
PJ	 0.8740
PK	 0.9750
PL	 0.9790
PM	 0.9850
PN	 0.9670
PO	 0.9540
PP	 0.9500
PQ	 0.9630
PR	 0.9910
PS	 0.9380
PT	 0.7880
PU	 0.6310
PV	 0.7730
PW	 0.9090
PX	 0.9420
PY	 0.9580
PZ	 0.8520
Pa	 0.9500
Pb	 0.9720
Pc	 0.9900
Pd	 0.9450
Pe	 0.9380
Pf	 0.9380
Pg	 0.8790
Ph	 0.7970

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Chain	Atom inclusion
Pi	 0.7450
Pj	 0.9180
Pk	 0.9460
Pl	 0.9900
Pm	 0.9940
Pn	 0.9940
Po	 0.9970
Pp	 0.9960
Pq	 0.9920
Pr	 0.9400
Ps	 0.9320
Pt	 0.9750
Pu	 0.9990
Pv	 0.9570
Pw	 0.9880
Px	 0.9560
Py	 0.9710
Pz	 0.9320
Q	 1.0000
Q0	 0.8120
Q1	 0.9890
Q2	 0.9830
Q3	 0.9740
Q4	 0.8550
Q5	 0.8900
Q6	 0.8920
Q7	 0.8950
Q8	 0.9090
Q9	 0.8480
QA	 0.8230
QB	 0.7700
QC	 0.8780
QD	 0.8630
QE	 0.8360
QF	 0.8490
QG	 0.8130
QH	 0.9210
QI	 0.5920
QJ	 0.4980
QK	 0.5860
QL	 0.4170
QM	 0.4380

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Chain	Atom inclusion
QN	 0.7470
QO	 0.8180
QP	 0.6570
QQ	 0.5900
QR	 0.5330
QS	 0.4460
QT	 0.3360
QU	 0.5180
QV	 0.7960
QW	 0.7760
QX	 0.7570
QY	 0.7320
QZ	 0.6650
Qa	 0.7240
Qb	 0.9950
Qc	 0.9390
Qd	 0.8780
Qe	 0.9810
Qf	 0.9770
Qg	 0.9980
Qh	 0.9980
Qi	 0.8990
Qj	 0.9700
Qk	 0.8480
Ql	 0.7190
Qm	 0.8540
Qn	 0.8110
Qo	 0.9530
Qp	 0.9230
Qq	 0.9990
Qr	 0.9940
Qs	 0.9850
Qt	 1.0000
Qu	 0.9940
Qv	 0.9880
Qw	 0.9580
Qx	 0.9410
Qy	 0.7850
Qz	 0.8650
R	 1.0000
R0	 0.8490
R1	 0.5810

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Chain	Atom inclusion
R2	0.5160
R3	0.7490
R4	0.9720
R5	0.8880
R6	0.6630
R7	0.8010
R8	0.9070
R9	0.9400
RA	0.8020
RB	0.9540
RC	0.8000
RD	0.9920
RE	0.6790
RF	0.9780
RG	0.6940
RH	0.7930
RI	0.9550
RJ	0.5390
RK	0.8890
RL	0.6510
RM	0.4100
RN	0.7420
RO	0.9410
RP	0.9040
RQ	0.6650
RR	0.8080
RS	0.5830
RT	0.7190
RU	0.7380
RV	0.7590
RW	0.8820
RX	0.9920
RY	0.4440
RZ	0.6450
Ra	0.5230
Rb	0.6810
Rc	0.4280
Rd	0.5670
Re	0.6130
Rf	0.6690
Rg	0.5360
Rh	0.7030

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Chain	Atom inclusion
Ri	 0.7420
Rj	 0.8620
Rk	 0.6090
Rl	 0.9520
Rm	 0.9900
Rn	 0.9600
Ro	 0.9550
Rp	 0.9570
Rq	 0.9380
Rr	 0.8140
Rs	 0.8660
Rt	 0.8680
Ru	 0.8810
Rv	 0.9230
Rw	 0.8570
Rx	 0.9940
Ry	 0.7490
Rz	 0.6080
S	 0.9640
S0	 0.9300
S1	 0.6080
S2	 0.9710
S3	 0.9560
S4	 0.9370
S5	 0.9230
S6	 0.9470
S7	 0.9640
S8	 0.9060
S9	 0.9550
SA	 0.9790
SB	 0.7270
SC	 0.6840
SD	 0.7240
SE	 0.7170
SF	 0.7230
SG	 0.7840
SH	 0.9970
SI	 0.9790
SJ	 0.8810
SK	 0.6160
SL	 0.7350
SM	 0.9880

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Chain	Atom inclusion
SN	 0.9820
SO	 0.7260
SP	 0.6470
SQ	 0.7880
SR	 0.7310
SS	 0.8480
ST	 0.7840
SU	 0.5520
SV	 0.8120
SW	 0.9470
SX	 0.8780
SY	 0.9810
SZ	 0.9090
Sa	 0.9920
Sb	 0.9570
Sc	 0.9690
Sd	 0.9010
Se	 0.9090
Sf	 0.9470
Sg	 0.9490
Sh	 0.8870
Si	 0.9280
Sj	 0.9870
Sk	 0.9740
Sl	 0.9910
Sm	 0.9490
Sn	 0.9930
So	 0.8970
Sp	 0.8140
Sq	 0.6540
Sr	 0.7080
Ss	 0.8830
St	 0.8950
Su	 0.9330
Sv	 0.7330
Sw	 0.8990
Sx	 0.8860
Sy	 0.8880
Sz	 0.6800
T	 0.9490
T0	 0.9620
T1	 0.7090

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Chain	Atom inclusion
T2	 0.8500
T3	 0.9360
T4	 0.9970
T5	 0.7120
T6	 0.6180
T7	 0.8660
T8	 0.8900
T9	 0.7890
TA	 0.8320
TB	 0.8250
TC	 0.9520
TD	 0.9420
TE	 0.8340
TF	 0.9810
TG	 0.9170
TH	 0.9320
TI	 0.9560
TJ	 0.9550
TK	 0.9550
TL	 0.8810
TM	 0.6560
TN	 0.4400
TO	 0.4040
TP	 0.5620
TQ	 0.5500
TR	 0.7930
TS	 0.8080
TT	 0.7440
TU	 0.7430
TV	 0.7990
TW	 0.6590
TX	 0.8620
TY	 0.7960
TZ	 0.8070
Ta	 0.8390
Tb	 0.9440
Tc	 0.9630
Td	 0.9960
Te	 0.8000
Tf	 0.5760
Tg	 0.5320
Th	 0.6250

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Chain	Atom inclusion
Ti	 0.5110
Tj	 0.8340
Tk	 0.6720
Tl	 0.7900
Tm	 0.8200
Tn	 0.8320
To	 0.8150
Tp	 0.9750
Tq	 0.9390
Tr	 0.8080
Ts	 0.6720
Tt	 0.5500
Tu	 0.7790
Tv	 0.8340
Tw	 0.8630
Tx	 0.9850
Ty	 0.7830
Tz	 0.8610
U	 0.3130
U0	 0.9840
U1	 0.8040
U2	 0.6790
U3	 0.7980
U4	 0.8470
U5	 0.5750
U6	 0.8090
U7	 0.7320
U8	 0.8870
U9	 0.8840
UA	 0.7820
UB	 0.8680
UC	 0.8920
UD	 0.9570
UE	 0.9870
UF	 0.8520
UG	 0.9970
UH	 0.7920
UI	 0.7260
UJ	 0.7310
UK	 0.8590
UL	 0.8570
UM	 0.7220

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Chain	Atom inclusion
UN	 0.9460
UO	 0.9460
UP	 0.9000
UQ	 0.9420
UR	 0.9640
US	 0.9830
UT	 0.9950
UU	 0.9030
UV	 0.6920
UW	 0.6610
UX	 0.7880
UY	 0.8820
UZ	 0.8330
Ua	 0.7520
Ub	 0.8300
Uc	 0.6090
Ud	 0.6920
Ue	 0.9630
Uf	 0.9870
Ug	 0.9040
Uh	 0.8620
Ui	 0.9820
Uj	 0.9750
Uk	 0.9000
Ul	 0.6980
Um	 0.6860
Un	 0.8330
Uo	 0.7040
Up	 0.5740
Uq	 0.3920
Ur	 0.5010
Us	 0.6020
Ut	 0.8570
Uu	 0.6080
Uv	 0.6400
Uw	 0.3790
Ux	 0.6570
Uy	 0.7310
Uz	 0.6010
V	 0.3530
V0	 0.5400
V1	 0.8470

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Chain	Atom inclusion
V2	 0.8370
V3	 0.8800
V4	 0.6390
V5	 0.7800
V6	 0.6730
V7	 0.5520
V8	 0.6900
V9	 0.6670
VA	 0.9120
VB	 0.9020
VC	 0.9180
VD	 0.9770
VE	 0.9540
VF	 0.9540
VG	 0.9970
VH	 0.9960
VI	 0.9940
VJ	 0.9800
VK	 0.9360
VL	 0.8920
VM	 0.9660
VN	 0.6590
VO	 0.8020
VP	 0.8340
VQ	 0.6220
VR	 0.8060
VS	 0.7520
VT	 0.6830
VU	 0.9890
VV	 0.9900
VW	 0.9330
VX	 0.3560
VY	 0.4130
VZ	 0.5250
Va	 0.6260
Vb	 0.5830
Vc	 0.6550
Vd	 0.9810
Ve	 0.9640
Vf	 0.9080
Vg	 0.9330
Vh	 0.8970

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Chain	Atom inclusion
Vi	 0.9410
Vj	 0.9940
Vk	 0.6480
Vl	 0.7090
Vm	 0.5550
Vn	 0.5310
Vo	 0.8010
Vp	 0.7140
Vq	 0.6400
Vr	 0.7860
Vs	 0.9690
Vt	 0.6400
Vu	 0.8640
Vv	 0.9370
Vw	 0.6270
Vx	 0.9470
Vy	 0.8510
Vz	 0.8000
W	 0.7280
W0	 0.9590
W1	 0.3840
W2	 0.3540
W3	 0.5680
W4	 0.1230
W5	 0.3370
W6	 0.8030
W7	 0.7730
W8	 0.9230
W9	 0.9920
WA	 0.8470
WB	 0.6690
WC	 0.7190
WD	 0.9140
WE	 0.8840
WF	 1.0000
WG	 0.8330
WH	 0.7470
WI	 0.7610
WJ	 0.8940
WK	 0.6190
WL	 0.5630
WM	 0.7970

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Chain	Atom inclusion
WN	 0.8330
WO	 0.8260
WP	 0.8950
WQ	 0.8850
WR	 0.8320
WS	 0.9160
WT	 0.8530
WU	 0.8690
WV	 0.9440
WW	 0.9780
WX	 0.9650
WY	 0.9980
WZ	 0.8620
Wa	 0.8290
Wb	 0.8640
Wc	 0.8620
Wd	 0.7940
We	 0.7880
Wf	 0.7470
Wg	 0.9430
Wh	 0.9320
Wi	 0.6920
Wj	 0.9980
Wk	 0.9820
Wl	 1.0000
Wm	 0.4260
Wn	 0.4220
Wo	 0.6090
Wp	 0.5040
Wq	 0.3830
Wr	 0.3200
Ws	 0.8440
Wt	 0.5230
Wu	 0.4170
Wv	 0.3280
Ww	 0.4150
Wx	 0.7070
Wy	 1.0000
Wz	 0.6920
X	 0.7370
X0	 0.5010
X1	 0.8580

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Chain	Atom inclusion
X2	 0.7850
X3	 0.8030
X4	 0.7250
X5	 0.8200
X6	 0.9470
X7	 0.9380
X8	 0.8990
X9	 0.6850
XA	 0.9320
XB	 0.7610
XC	 0.8630
XD	 0.9590
XE	 0.9580
XF	 0.9360
XG	 0.8830
XH	 0.8330
XI	 0.7280
XJ	 0.7430
XK	 0.8080
XL	 0.8140
XM	 0.8320
XN	 0.8180
XO	 0.8560
XP	 0.5280
XQ	 0.6610
XR	 0.6120
XS	 0.5750
XT	 0.6110
XU	 0.6530
XV	 0.7470
XW	 0.5640
XX	 0.7110
XY	 0.9400
XZ	 0.8160
Xa	 0.6300
Xb	 0.8110
Xc	 0.9440
Xd	 0.9450
Xe	 0.9480
Xf	 0.9040
Xg	 0.9000
Xh	 0.8690

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Chain	Atom inclusion
Xi	 0.6920
Xj	 0.8170
Xk	 0.8490
Xl	 0.8130
Xm	 0.8790
Xn	 0.6410
Xo	 0.8720
Xp	 0.5780
Xq	 0.5390
Xr	 0.4330
Xs	 0.2940
Xt	 0.7980
Xu	 0.7780
Xv	 0.6680
Xw	 0.8730
Xx	 0.5900
Xy	 0.8400
Xz	 0.6530
Y	 0.8920
Y0	 0.9750
Y1	 0.9910
Y2	 0.9860
Y3	 0.9920
Y4	 0.9340
Y5	 0.9890
Y6	 0.9060
Y7	 0.5570
Y8	 0.6530
Y9	 0.6370
YA	 0.7190
YB	 0.8630
YC	 0.8240
YD	 0.8370
YE	 0.9570
YF	 0.8380
YG	 0.7250
YH	 0.9550
YI	 0.8380
YJ	 0.6600
YK	 0.6640
YL	 0.5050
YM	 0.2070

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Chain	Atom inclusion
YN	 0.7880
YO	 0.5260
YP	 0.7890
YQ	 0.8850
YR	 0.7600
YS	 0.9420
YT	 0.8870
YU	 0.9360
YV	 0.9790
YW	 0.9650
YX	 0.9200
YY	 0.9920
YZ	 0.9570
Ya	 0.8310
Yb	 0.8420
Yc	 0.8610
Yd	 0.9500
Ye	 0.9700
Yf	 0.7850
Yg	 0.5610
Yh	 0.8150
Yi	 0.7080
Yj	 0.7530
Yk	 0.7330
Yl	 0.7780
Ym	 0.8090
Yn	 0.8470
Yo	 0.7000
Yp	 0.9350
Yq	 0.9990
Yr	 0.6670
Ys	 0.9660
Yt	 0.9500
Yu	 0.9370
Yv	 0.9550
Yw	 0.9090
Yx	 0.9650
Yy	 0.9070
Yz	 0.9810
Z	 0.9880
Z0	 0.7730
Z1	 0.6730

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Chain	Atom inclusion
Z2	 0.6400
Z3	 0.5570
Z4	 0.8940
Z5	 0.7130
Z6	 0.8480
Z7	 0.9650
Z8	 0.8800
Z9	 0.8890
ZA	 0.9950
ZB	 0.9870
ZC	 0.9700
ZD	 0.9810
ZE	 0.9870
ZF	 1.0000
ZG	 0.9990
ZH	 0.9900
ZI	 0.8440
ZJ	 0.7890
ZK	 0.8400
ZL	 0.8910
ZM	 0.8760
ZN	 0.8870
ZO	 0.9720
郑	 0.8900
ZQ	 0.7870
ZR	 0.7360
ZS	 0.7940
ZT	 0.9250
ZU	 0.7660
ZV	 0.7220
ZW	 0.6850
ZX	 0.8680
ZY	 0.5060
ZZ	 0.6770
Za	 0.5870
Zb	 0.8940
Zc	 0.7500
Zd	 0.8010
Ze	 0.9820
Zf	 0.8410
Zg	 0.9670
Zh	 0.8930

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Chain	Atom inclusion
Zi	 0.8070
Zj	 0.4700
Zk	 0.4710
Zl	 0.6380
Zm	 0.8540
Zn	 0.8930
Zo	 0.9500
Zp	 0.8190
Zq	 0.7200
Zr	 0.8140
Zs	 0.9010
Zt	 0.9720
Zu	 0.9920
Zv	 0.6940
Zw	 0.1800
Zx	 0.5360
Zy	 0.3350
Zz	 0.7270
a	 1.0000
a0	 0.9790
a1	 0.7440
a2	 0.7660
a3	 0.9150
a4	 0.9720
a5	 0.9720
a6	 0.9550
a7	 0.9340
a8	 0.9440
a9	 0.9690
aA	 0.8700
aB	 0.8770
aC	 0.8030
aD	 0.8470
aE	 0.9360
aF	 0.9320
aG	 0.8720
aH	 0.8450
aI	 0.9140
aJ	 0.9210
aK	 0.8660
aL	 0.6680
aM	 0.4080

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Chain	Atom inclusion
aN	 0.6050
aO	 0.6450
aP	 0.8500
aQ	 0.8250
aR	 0.6060
aS	 0.8780
aT	 0.8390
aU	 0.4520
aV	 0.5890
aW	 0.5990
aX	 0.4400
aY	 0.7910
aZ	 0.8940
aa	 0.8180
ab	 0.7420
ac	 0.3720
ad	 0.5410
ae	 0.6340
af	 0.6700
ag	 0.5500
ah	 0.6650
ai	 0.5900
aj	 0.6270
ak	 0.6230
al	 0.6100
am	 0.5480
an	 0.7010
ao	 0.8990
ap	 0.7800
aq	 0.8800
ar	 0.6530
as	 0.8490
at	 0.6050
au	 0.9660
av	 0.3640
aw	 0.7470
ax	 0.8800
ay	 0.6360
az	 0.6660
b	 1.0000
b0	 0.7790
b1	 0.6010

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Chain	Atom inclusion
b2	 0.7700
b3	 0.8530
b4	 0.7270
b5	 0.9020
b6	 0.8510
b7	 0.9560
b8	 0.8130
b9	 0.7720
bA	 0.8490
bB	 0.4360
bC	 0.8620
bD	 0.4760
bE	 0.7780
bF	 0.8450
bG	 0.9190
bH	 0.8550
bI	 0.8370
bJ	 0.8800
bK	 0.8290
bL	 0.7360
bM	 0.7610
bN	 0.3850
bO	 0.6520
bP	 0.7900
bQ	 0.7650
bR	 0.5940
bS	 0.3960
bT	 0.5050
bU	 0.5640
bV	 0.6180
bW	 0.8880
bX	 0.8750
bY	 0.7150
bZ	 0.9950
ba	 0.8600
bb	 0.5980
bc	 0.6390
bd	 0.5040
be	 0.8410
bf	 0.4760
bg	 0.6690
bh	 0.4490

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Chain	Atom inclusion
bi	 0.4360
bj	 0.4860
bk	 0.8170
bl	 0.4910
bm	 0.8120
bn	 0.8990
bo	 0.9510
bp	 0.9750
bq	 0.9590
br	 0.8660
bs	 0.8730
bt	 0.8820
bu	 0.9410
bv	 0.8810
bw	 0.6770
bx	 0.5790
by	 0.7740
bz	 0.8600
c	 0.9230
c0	 0.7920
c1	 0.9400
c2	 0.8240
c3	 0.8710
c4	 0.7810
c5	 0.9130
c6	 0.9210
c7	 0.8290
c8	 0.8260
c9	 0.6720
cA	 0.5940
cB	 0.3930
cC	 0.6460
cD	 0.9740
cE	 0.9330
cF	 0.9260
cG	 0.9780
cH	 0.9440
cI	 0.9500
cJ	 0.7720
cK	 0.7500
cL	 0.8460
cM	 0.9100

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Chain	Atom inclusion
cN	 0.8090
cO	 0.9040
cP	 0.9900
cQ	 0.7570
cR	 0.7470
cS	 0.8900
cT	 0.8750
cU	 0.7280
cV	 0.9340
cW	 0.9090
cX	 0.8520
cY	 0.5250
cZ	 0.7090
ca	 0.8650
cb	 0.5880
cc	 0.9920
cd	 0.8780
ce	 0.8060
cf	 0.8010
cg	 0.8540
ch	 0.7930
ci	 0.7940
cj	 0.9320
ck	 0.8080
cl	 0.7990
cm	 0.8730
cn	 0.9360
co	 0.9800
cp	 0.9950
cq	 0.8250
cr	 0.7940
cs	 0.8190
ct	 0.8050
cu	 0.5990
cv	 0.8660
cw	 0.8300
cx	 0.8640
cy	 0.5200
cz	 0.5760
d	 0.9060
d1	 0.3530
d2	 0.8160

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Chain	Atom inclusion
d3	 0.2430
d4	 0.5030
d5	 0.1730
d6	 0.8750
d7	 0.7140
d8	 1.0000
dA	 0.8700
dB	 0.8250
dC	 0.8690
dD	 0.8860
dE	 0.8160
dF	 0.9980
dG	 0.6750
dH	 0.4740
dI	 0.4280
dJ	 0.2910
dK	 0.4840
dL	 0.6800
dM	 0.8090
dN	 0.5730
dO	 0.8170
dP	 0.8060
dQ	 0.8310
dR	 0.5080
dS	 0.7800
dT	 0.7240
dU	 0.5610
dV	 0.4350
dW	 0.3990
dX	 0.6680
dY	 0.4110
dZ	 0.9980
da	 1.0000
db	 0.5730
dc	 0.9550
dd	 0.9580
de	 1.0000
df	 1.0000
dg	 1.0000
dh	 1.0000
di	 0.9940
dk	 0.8360

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Chain	Atom inclusion
dl	 0.9780
dm	 0.9150
dn	 0.9510
dp	 1.0000
dq	 1.0000
dr	 0.5510
ds	 1.0000
dt	 0.4500
du	 0.4020
dv	 0.4100
dw	 0.5540
dx	 0.5200
dy	 0.4420
dz	 0.5290
e	 0.5160
e0	 1.0000
e1	 1.0000
e2	 1.0000
e3	 1.0000
e4	 1.0000
e5	 0.9440
e6	 0.9550
e7	 0.9770
e8	 0.9430
e9	 1.0000
eA	 0.6120
eB	 0.6570
eC	 0.4520
eD	 0.5400
eE	 0.6440
eF	 0.7210
eG	 1.0000
eH	 1.0000
eI	 0.9720
eJ	 0.8460
eK	 0.9630
eL	 0.9720
eM	 1.0000
eN	 1.0000
eO	 0.9920
eP	 0.9900
eQ	 1.0000

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Chain	Atom inclusion
eR	 0.9110
eS	 0.9700
eT	 0.9510
eU	 0.8950
eV	 1.0000
eW	 1.0000
eX	 0.9990
eY	 0.5570
eZ	 0.5650
ea	 0.5210
eb	 0.5540
ec	 0.6350
ed	 0.5910
ee	 0.6140
ef	 0.3250
eg	 0.2780
eh	 0.6070
ei	 0.6820
ej	 0.8200
ek	 0.3730
el	 0.9650
em	 0.9690
en	 0.7280
eo	 0.8410
ep	 0.5800
eq	 0.5860
er	 0.8070
es	 0.8120
et	 1.0000
eu	 1.0000
ev	 0.9470
ew	 0.8440
ex	 1.0000
ey	 0.9980
ez	 1.0000
f	 0.3950
fA	 1.0000
fB	 0.5390
fC	 0.6210
fD	 0.6620
fE	 0.6780
fF	 0.5970

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Chain	Atom inclusion
fG	 0.5580
fH	 0.6600
fI	 0.7310
fJ	 0.6640
fK	 0.7380
fL	 0.4390
fM	 0.5670
fN	 0.2720
fO	 0.9820
fP	 0.9890
g	 0.7400
h	 0.7640
i	 0.8050
j	 0.9840
k	 1.0000
l	 1.0000
m	 0.9180
n	 0.9020
o	 0.2710
p	 0.3940
q	 0.4690
r	 0.6260
s	 0.7720
t	 0.9630
u	 1.0000
v	 1.0000
w	 0.9580
x	 0.9690
y	 0.5030
z	 0.4190