



## wwPDB EM Validation Summary Report ⓘ

Dec 28, 2023 – 09:32 am GMT

PDB ID : 8QO1  
EMDB ID : EMD-18519  
Title : Asymmetric structure of the Borrelia bacteriophage BB1 procapsid, 3D class 3  
Authors : Rumnieks, J.; Fuzik, T.; Tars, K.  
Deposited on : 2023-10-11  
Resolution : 9.76 Å(reported)  
Based on initial model : .

This is a wwPDB EM Validation Summary Report for a publicly released PDB entry.

We welcome your comments at [validation@mail.wwpdb.org](mailto: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>.

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

EMDB validation analysis : 0.0.1.dev70  
MolProbity : **FAILED**  
Percentile statistics : 20191225.v01 (using entries in the PDB archive December 25th 2019)  
MapQ : **FAILED**  
Ideal geometry (proteins) : Engh & Huber (2001)  
Ideal geometry (DNA, RNA) : Parkinson et al. (1996)  
Validation Pipeline (wwPDB-VP) : 2.36

## 1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

*ELECTRON MICROSCOPY*

The reported resolution of this entry is 9.76 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 6 unique types of molecules in this entry. The entry contains 2050193 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 Cytosolic protein.

Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
1	AA	309	2488	1604	400	475	9	0	0
1	AB	313	2510	1616	404	481	9	0	0
1	AC	313	2510	1616	404	481	9	0	0
1	AD	309	2488	1604	400	475	9	0	0
1	AE	313	2510	1616	404	481	9	0	0
1	AF	313	2510	1616	404	481	9	0	0
1	AG	309	2488	1604	400	475	9	0	0
1	AH	313	2510	1616	404	481	9	0	0
1	AI	313	2510	1616	404	481	9	0	0
1	AJ	309	2488	1604	400	475	9	0	0
1	AK	313	2510	1616	404	481	9	0	0
1	AL	313	2510	1616	404	481	9	0	0
1	AM	309	2488	1604	400	475	9	0	0
1	AN	313	2510	1616	404	481	9	0	0
1	AO	313	2510	1616	404	481	9	0	0
1	AP	309	2488	1604	400	475	9	0	0
1	AQ	313	2510	1616	404	481	9	0	0

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Mol	Chain	Residues	Atoms					AltConf	Trace
1	AR	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	AS	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	AT	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	AU	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	AV	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	AW	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	AX	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	AY	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	AZ	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Aa	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Ab	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Ac	300	Total	C	N	O	S	0	0
			2405	1549	390	457	9		
1	Ad	309	Total	C	N	O	S	0	0
			2488	1604	400	475	9		
1	Ae	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Af	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Ag	309	Total	C	N	O	S	0	0
			2488	1604	400	475	9		
1	Ah	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Ai	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Aj	309	Total	C	N	O	S	0	0
			2488	1604	400	475	9		
1	Ak	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Al	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		

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Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
1	Am	311	2505	1614	402	479	10	0	0
1	An	313	2510	1616	404	481	9	0	0
1	Ao	313	2510	1616	404	481	9	0	0
1	Ap	309	2488	1604	400	475	9	0	0
1	Aq	313	2510	1616	404	481	9	0	0
1	Ar	311	2505	1614	402	479	10	0	0
1	As	313	2510	1616	404	481	9	0	0
1	At	297	2383	1532	385	457	9	0	0
1	Au	313	2510	1616	404	481	9	0	0
1	Av	313	2510	1616	404	481	9	0	0
1	Aw	313	2510	1616	404	481	9	0	0
1	Ax	297	2383	1532	385	457	9	0	0
1	Ay	313	2510	1616	404	481	9	0	0
1	Az	313	2510	1616	404	481	9	0	0
1	BA	313	2510	1616	404	481	9	0	0
1	BB	313	2510	1616	404	481	9	0	0
1	BC	313	2510	1616	404	481	9	0	0
1	BD	313	2510	1616	404	481	9	0	0
1	BE	313	2510	1616	404	481	9	0	0
1	BF	313	2510	1616	404	481	9	0	0
1	BG	313	2510	1616	404	481	9	0	0

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Mol	Chain	Residues	Atoms					AltConf	Trace
1	BH	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	BI	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	BJ	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	BK	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	BL	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	BM	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	BN	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	BO	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	BP	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	BQ	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	BR	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	BS	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	BT	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	BU	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	BV	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	BW	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	BX	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	BY	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	BZ	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Ba	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Bb	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		

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Mol	Chain	Residues	Atoms					AltConf	Trace
1	Bc	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Bd	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Be	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Ep	309	Total	C	N	O	S	0	0
			2488	1604	400	475	9		
1	Eq	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Er	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Es	309	Total	C	N	O	S	0	0
			2488	1604	400	475	9		
1	Et	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Eu	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Ev	309	Total	C	N	O	S	0	0
			2488	1604	400	475	9		
1	Ew	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Ex	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Ey	309	Total	C	N	O	S	0	0
			2488	1604	400	475	9		
1	Ez	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	FA	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	FB	309	Total	C	N	O	S	0	0
			2488	1604	400	475	9		
1	FC	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	FD	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	FE	309	Total	C	N	O	S	0	0
			2488	1604	400	475	9		
1	FF	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	FG	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		

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Mol	Chain	Residues	Atoms					AltConf	Trace
1	FH	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	FI	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	FJ	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	FK	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	FL	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	FM	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	FN	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	FO	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	FP	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	FQ	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	FR	300	Total	C	N	O	S	0	0
			2405	1549	390	457	9		
1	FS	309	Total	C	N	O	S	0	0
			2488	1604	400	475	9		
1	FT	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	FU	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	FV	309	Total	C	N	O	S	0	0
			2488	1604	400	475	9		
1	FW	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	FX	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	FY	309	Total	C	N	O	S	0	0
			2488	1604	400	475	9		
1	FZ	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Fa	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Fb	311	Total	C	N	O	S	0	0
			2505	1614	402	479	10		

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Mol	Chain	Residues	Atoms					AltConf	Trace
1	Fc	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Fd	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Fe	309	Total	C	N	O	S	0	0
			2488	1604	400	475	9		
1	Ff	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Fg	311	Total	C	N	O	S	0	0
			2505	1614	402	479	10		
1	Fh	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Fi	297	Total	C	N	O	S	0	0
			2383	1532	385	457	9		
1	Fj	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Fk	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Fl	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Fm	297	Total	C	N	O	S	0	0
			2383	1532	385	457	9		
1	Fn	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Fo	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Fp	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Fq	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Fr	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Fs	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Ft	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Fu	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Fv	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Fw	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		

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Mol	Chain	Residues	Atoms					AltConf	Trace
1	Fx	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Fy	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Fz	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	GA	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	GB	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	GC	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	GD	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	GE	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	GF	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	GG	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	GH	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	GI	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	GJ	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	GK	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	GL	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	GM	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	GN	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	GO	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	GP	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	GQ	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	GR	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		

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Mol	Chain	Residues	Atoms					AltConf	Trace
1	GS	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	GT	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Je	309	Total	C	N	O	S	0	0
			2488	1604	400	475	9		
1	Jf	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Jg	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Jh	309	Total	C	N	O	S	0	0
			2488	1604	400	475	9		
1	Ji	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Jj	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Jk	309	Total	C	N	O	S	0	0
			2488	1604	400	475	9		
1	Jl	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Jm	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Jn	309	Total	C	N	O	S	0	0
			2488	1604	400	475	9		
1	Jo	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Jp	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Jq	309	Total	C	N	O	S	0	0
			2488	1604	400	475	9		
1	Jr	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Js	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Jt	309	Total	C	N	O	S	0	0
			2488	1604	400	475	9		
1	Ju	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Jv	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Jw	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		

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Mol	Chain	Residues	Atoms					AltConf	Trace
1	Jx	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Jy	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Jz	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	KA	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	KB	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	KC	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	KD	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	KE	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	KF	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	KG	300	Total	C	N	O	S	0	0
			2405	1549	390	457	9		
1	KH	309	Total	C	N	O	S	0	0
			2488	1604	400	475	9		
1	KI	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	KJ	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	KK	309	Total	C	N	O	S	0	0
			2488	1604	400	475	9		
1	KL	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	KM	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	KN	309	Total	C	N	O	S	0	0
			2488	1604	400	475	9		
1	KO	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	KP	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	KQ	311	Total	C	N	O	S	0	0
			2505	1614	402	479	10		
1	KR	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		

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Mol	Chain	Residues	Atoms					AltConf	Trace
1	KS	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	KT	309	Total	C	N	O	S	0	0
			2488	1604	400	475	9		
1	KU	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	KV	311	Total	C	N	O	S	0	0
			2505	1614	402	479	10		
1	KW	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	KX	297	Total	C	N	O	S	0	0
			2383	1532	385	457	9		
1	KY	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	KZ	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Ka	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Kb	297	Total	C	N	O	S	0	0
			2383	1532	385	457	9		
1	Kc	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Kd	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Ke	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Kf	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Kg	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Kh	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Ki	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Kj	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Kk	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Kl	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Km	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		

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Mol	Chain	Residues	Atoms					AltConf	Trace
1	Kn	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Ko	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Kp	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Kq	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Kr	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Ks	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Kt	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Ku	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Kv	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Kw	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Kx	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Ky	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Kz	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	LA	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	LB	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	LC	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	LD	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	LE	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	LF	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	LG	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	LH	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		

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Mol	Chain	Residues	Atoms					AltConf	Trace
1	LI	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	OT	309	Total	C	N	O	S	0	0
			2488	1604	400	475	9		
1	OU	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	OV	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	OW	309	Total	C	N	O	S	0	0
			2488	1604	400	475	9		
1	OX	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	OY	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	OZ	309	Total	C	N	O	S	0	0
			2488	1604	400	475	9		
1	Oa	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Ob	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Oc	309	Total	C	N	O	S	0	0
			2488	1604	400	475	9		
1	Od	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Oe	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Of	309	Total	C	N	O	S	0	0
			2488	1604	400	475	9		
1	Og	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Oh	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Oi	309	Total	C	N	O	S	0	0
			2488	1604	400	475	9		
1	Oj	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Ok	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Ol	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Om	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		

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Mol	Chain	Residues	Atoms					AltConf	Trace
1	On	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Oo	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Op	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Oq	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Or	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Os	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Ot	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Ou	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Ov	300	Total	C	N	O	S	0	0
			2405	1549	390	457	9		
1	Ow	309	Total	C	N	O	S	0	0
			2488	1604	400	475	9		
1	Ox	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Oy	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Oz	309	Total	C	N	O	S	0	0
			2488	1604	400	475	9		
1	PA	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	PB	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	PC	309	Total	C	N	O	S	0	0
			2488	1604	400	475	9		
1	PD	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	PE	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	PF	311	Total	C	N	O	S	0	0
			2505	1614	402	479	10		
1	PG	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	PH	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		

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Mol	Chain	Residues	Atoms					AltConf	Trace
1	PI	309	Total	C	N	O	S	0	0
			2488	1604	400	475	9		
1	PJ	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	PK	311	Total	C	N	O	S	0	0
			2505	1614	402	479	10		
1	PL	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	PM	297	Total	C	N	O	S	0	0
			2383	1532	385	457	9		
1	PN	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	PO	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	PP	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	PQ	297	Total	C	N	O	S	0	0
			2383	1532	385	457	9		
1	PR	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	PS	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	PT	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	PU	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	PV	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	PW	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	PX	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	PY	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	PZ	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Pa	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Pb	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Pc	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		

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Mol	Chain	Residues	Atoms					AltConf	Trace
1	Pd	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Pe	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Pf	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Pg	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Ph	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Pi	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Pj	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Pk	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Pl	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Pm	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Pn	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Po	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Pp	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Pq	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Pr	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Ps	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Pt	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Pu	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Pv	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Pw	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Px	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		

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Mol	Chain	Residues	Atoms					AltConf	Trace
1	TI	309	Total	C	N	O	S	0	0
			2488	1604	400	475	9		
1	TJ	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	TK	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	TL	309	Total	C	N	O	S	0	0
			2488	1604	400	475	9		
1	TM	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	TN	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	TO	309	Total	C	N	O	S	0	0
			2488	1604	400	475	9		
1	TP	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	TQ	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	TR	309	Total	C	N	O	S	0	0
			2488	1604	400	475	9		
1	TS	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	TT	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	TU	309	Total	C	N	O	S	0	0
			2488	1604	400	475	9		
1	TV	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	TW	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	TX	309	Total	C	N	O	S	0	0
			2488	1604	400	475	9		
1	TY	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	TZ	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Ta	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Tb	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Tc	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		

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Mol	Chain	Residues	Atoms					AltConf	Trace
1	Td	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Te	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Tf	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Tg	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Th	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Ti	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Tj	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Tk	300	Total	C	N	O	S	0	0
			2405	1549	390	457	9		
1	Tl	309	Total	C	N	O	S	0	0
			2488	1604	400	475	9		
1	Tm	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Tn	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	To	309	Total	C	N	O	S	0	0
			2488	1604	400	475	9		
1	Tp	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Tq	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Tr	309	Total	C	N	O	S	0	0
			2488	1604	400	475	9		
1	Ts	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Tt	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Tu	311	Total	C	N	O	S	0	0
			2505	1614	402	479	10		
1	Tv	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Tw	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Tx	309	Total	C	N	O	S	0	0
			2488	1604	400	475	9		

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Mol	Chain	Residues	Atoms					AltConf	Trace
1	Ty	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Tz	311	Total	C	N	O	S	0	0
			2505	1614	402	479	10		
1	UA	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	UB	297	Total	C	N	O	S	0	0
			2383	1532	385	457	9		
1	UC	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	UD	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	UE	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	UF	297	Total	C	N	O	S	0	0
			2383	1532	385	457	9		
1	UG	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	UH	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	UI	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	UJ	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	UK	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	UL	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	UM	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	UN	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	UO	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	UP	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	UQ	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	UR	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	US	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		

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Mol	Chain	Residues	Atoms					AltConf	Trace
1	UT	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	UU	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	UV	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	UW	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	UX	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	UY	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	UZ	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Ua	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Ub	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Uc	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Ud	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Ue	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Uf	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Ug	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Uh	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Ui	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Uj	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Uk	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Ul	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		
1	Um	313	Total	C	N	O	S	0	0
			2510	1616	404	481	9		

- Molecule 2 is a protein called Decoration protein P03.

Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
2	Bf	155	1178	742	197	235	4	0	0
2	Bg	152	1160	730	194	232	4	0	0
2	Bh	154	1173	739	196	234	4	0	0
2	Bi	153	1165	733	195	233	4	0	0
2	Bj	154	1173	739	196	234	4	0	0
2	Bk	153	1165	733	195	233	4	0	0
2	Bl	154	1173	739	196	234	4	0	0
2	Bm	154	1170	736	196	234	4	0	0
2	Bn	154	1173	739	196	234	4	0	0
2	Bo	153	1165	733	195	233	4	0	0
2	Bp	153	1165	733	195	233	4	0	0
2	Bq	152	1160	730	194	232	4	0	0
2	Br	154	1173	739	196	234	4	0	0
2	Bs	168	1288	813	215	256	4	0	0
2	Bt	154	1173	739	196	234	4	0	0
2	Bu	153	1161	730	194	233	4	0	0
2	Bv	153	1165	733	195	233	4	0	0
2	Bw	153	1161	730	194	233	4	0	0
2	Bx	158	1198	750	202	242	4	0	0
2	By	151	1148	721	192	231	4	0	0
2	Bz	154	1173	739	196	234	4	0	0
2	CA	120	917	584	151	180	2	0	0

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Mol	Chain	Residues	Atoms					AltConf	Trace
2	CB	158	Total	C	N	O	S	0	0
			1198	750	202	242	4		
2	CC	153	Total	C	N	O	S	0	0
			1164	733	194	233	4		
2	CD	160	Total	C	N	O	S	0	0
			1211	759	204	244	4		
2	CE	158	Total	C	N	O	S	0	0
			1194	747	201	242	4		
2	CF	154	Total	C	N	O	S	0	0
			1173	739	196	234	4		
2	CG	175	Total	C	N	O	S	0	0
			1337	840	225	268	4		
2	CH	153	Total	C	N	O	S	0	0
			1165	733	195	233	4		
2	CI	157	Total	C	N	O	S	0	0
			1189	744	200	241	4		
2	CJ	166	Total	C	N	O	S	0	0
			1275	804	213	254	4		
2	CK	168	Total	C	N	O	S	0	0
			1288	813	215	256	4		
2	CL	152	Total	C	N	O	S	0	0
			1160	730	194	232	4		
2	CM	154	Total	C	N	O	S	0	0
			1173	739	196	234	4		
2	CN	153	Total	C	N	O	S	0	0
			1165	733	195	233	4		
2	CO	170	Total	C	N	O	S	0	0
			1304	823	218	259	4		
2	CP	153	Total	C	N	O	S	0	0
			1161	730	194	233	4		
2	CQ	158	Total	C	N	O	S	0	0
			1198	750	202	242	4		
2	CR	151	Total	C	N	O	S	0	0
			1148	721	192	231	4		
2	CS	154	Total	C	N	O	S	0	0
			1173	739	196	234	4		
2	CT	153	Total	C	N	O	S	0	0
			1161	730	194	233	4		
2	CU	158	Total	C	N	O	S	0	0
			1198	750	202	242	4		
2	CV	151	Total	C	N	O	S	0	0
			1148	721	192	231	4		

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Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
2	CW	154	1173	739	196	234	4	0	0
2	CX	153	1161	730	194	233	4	0	0
2	CY	158	1198	750	202	242	4	0	0
2	CZ	151	1148	721	192	231	4	0	0
2	Ca	154	1173	739	196	234	4	0	0
2	Cb	153	1161	730	194	233	4	0	0
2	Cc	158	1198	750	202	242	4	0	0
2	Cd	151	1148	721	192	231	4	0	0
2	Ce	154	1173	739	196	234	4	0	0
2	Cf	153	1161	730	194	233	4	0	0
2	Cg	158	1198	750	202	242	4	0	0
2	Ch	151	1148	721	192	231	4	0	0
2	Ci	154	1173	739	196	234	4	0	0
2	GU	155	1178	742	197	235	4	0	0
2	GV	152	1160	730	194	232	4	0	0
2	GW	154	1173	739	196	234	4	0	0
2	GX	153	1165	733	195	233	4	0	0
2	GY	154	1173	739	196	234	4	0	0
2	GZ	153	1165	733	195	233	4	0	0
2	Ga	154	1173	739	196	234	4	0	0
2	Gb	154	1170	736	196	234	4	0	0

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Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
2	Gc	154	1173	739	196	234	4	0	0
2	Gd	153	1165	733	195	233	4	0	0
2	Ge	153	1165	733	195	233	4	0	0
2	Gf	152	1160	730	194	232	4	0	0
2	Gg	154	1173	739	196	234	4	0	0
2	Gh	168	1288	813	215	256	4	0	0
2	Gi	154	1173	739	196	234	4	0	0
2	Gj	153	1161	730	194	233	4	0	0
2	Gk	153	1165	733	195	233	4	0	0
2	Gl	153	1161	730	194	233	4	0	0
2	Gm	158	1198	750	202	242	4	0	0
2	Gn	151	1148	721	192	231	4	0	0
2	Go	154	1173	739	196	234	4	0	0
2	Gp	120	917	584	151	180	2	0	0
2	Gq	158	1198	750	202	242	4	0	0
2	Gr	153	1164	733	194	233	4	0	0
2	Gs	160	1211	759	204	244	4	0	0
2	Gt	158	1194	747	201	242	4	0	0
2	Gu	154	1173	739	196	234	4	0	0
2	Gv	175	1337	840	225	268	4	0	0
2	Gw	153	1165	733	195	233	4	0	0

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Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
2	Gx	157	1189	744	200	241	4	0	0
2	Gy	166	1275	804	213	254	4	0	0
2	Gz	168	1288	813	215	256	4	0	0
2	HA	152	1160	730	194	232	4	0	0
2	HB	154	1173	739	196	234	4	0	0
2	HC	153	1165	733	195	233	4	0	0
2	HD	170	1304	823	218	259	4	0	0
2	HE	153	1161	730	194	233	4	0	0
2	HF	158	1198	750	202	242	4	0	0
2	HG	151	1148	721	192	231	4	0	0
2	HH	154	1173	739	196	234	4	0	0
2	HI	153	1161	730	194	233	4	0	0
2	HJ	158	1198	750	202	242	4	0	0
2	HK	151	1148	721	192	231	4	0	0
2	HL	154	1173	739	196	234	4	0	0
2	HM	153	1161	730	194	233	4	0	0
2	HN	158	1198	750	202	242	4	0	0
2	HO	151	1148	721	192	231	4	0	0
2	HP	154	1173	739	196	234	4	0	0
2	HQ	153	1161	730	194	233	4	0	0
2	HR	158	1198	750	202	242	4	0	0

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Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
2	HS	151	1148	721	192	231	4	0	0
2	HT	154	1173	739	196	234	4	0	0
2	HU	153	1161	730	194	233	4	0	0
2	HV	158	1198	750	202	242	4	0	0
2	HW	151	1148	721	192	231	4	0	0
2	HX	154	1173	739	196	234	4	0	0
2	LJ	155	1178	742	197	235	4	0	0
2	LK	152	1160	730	194	232	4	0	0
2	LL	154	1173	739	196	234	4	0	0
2	LM	153	1165	733	195	233	4	0	0
2	LN	154	1173	739	196	234	4	0	0
2	LO	153	1165	733	195	233	4	0	0
2	LP	154	1173	739	196	234	4	0	0
2	LQ	154	1170	736	196	234	4	0	0
2	LR	154	1173	739	196	234	4	0	0
2	LS	153	1165	733	195	233	4	0	0
2	LT	153	1165	733	195	233	4	0	0
2	LU	152	1160	730	194	232	4	0	0
2	LV	154	1173	739	196	234	4	0	0
2	LW	168	1288	813	215	256	4	0	0
2	LX	154	1173	739	196	234	4	0	0

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Mol	Chain	Residues	Atoms					AltConf	Trace
2	LY	153	Total	C	N	O	S	0	0
			1161	730	194	233	4		
2	LZ	153	Total	C	N	O	S	0	0
			1165	733	195	233	4		
2	La	153	Total	C	N	O	S	0	0
			1161	730	194	233	4		
2	Lb	158	Total	C	N	O	S	0	0
			1198	750	202	242	4		
2	Lc	151	Total	C	N	O	S	0	0
			1148	721	192	231	4		
2	Ld	154	Total	C	N	O	S	0	0
			1173	739	196	234	4		
2	Le	120	Total	C	N	O	S	0	0
			917	584	151	180	2		
2	Lf	158	Total	C	N	O	S	0	0
			1198	750	202	242	4		
2	Lg	153	Total	C	N	O	S	0	0
			1164	733	194	233	4		
2	Lh	160	Total	C	N	O	S	0	0
			1211	759	204	244	4		
2	Li	158	Total	C	N	O	S	0	0
			1194	747	201	242	4		
2	Lj	154	Total	C	N	O	S	0	0
			1173	739	196	234	4		
2	Lk	175	Total	C	N	O	S	0	0
			1337	840	225	268	4		
2	Ll	153	Total	C	N	O	S	0	0
			1165	733	195	233	4		
2	Lm	157	Total	C	N	O	S	0	0
			1189	744	200	241	4		
2	Ln	166	Total	C	N	O	S	0	0
			1275	804	213	254	4		
2	Lo	168	Total	C	N	O	S	0	0
			1288	813	215	256	4		
2	Lp	152	Total	C	N	O	S	0	0
			1160	730	194	232	4		
2	Lq	154	Total	C	N	O	S	0	0
			1173	739	196	234	4		
2	Lr	153	Total	C	N	O	S	0	0
			1165	733	195	233	4		
2	Ls	170	Total	C	N	O	S	0	0
			1304	823	218	259	4		

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Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
2	Lt	153	1161	730	194	233	4	0	0
2	Lu	158	1198	750	202	242	4	0	0
2	Lv	151	1148	721	192	231	4	0	0
2	Lw	154	1173	739	196	234	4	0	0
2	Lx	153	1161	730	194	233	4	0	0
2	Ly	158	1198	750	202	242	4	0	0
2	Lz	151	1148	721	192	231	4	0	0
2	MA	154	1173	739	196	234	4	0	0
2	MB	153	1161	730	194	233	4	0	0
2	MC	158	1198	750	202	242	4	0	0
2	MD	151	1148	721	192	231	4	0	0
2	ME	154	1173	739	196	234	4	0	0
2	MF	153	1161	730	194	233	4	0	0
2	MG	158	1198	750	202	242	4	0	0
2	MH	151	1148	721	192	231	4	0	0
2	MI	154	1173	739	196	234	4	0	0
2	MJ	153	1161	730	194	233	4	0	0
2	MK	158	1198	750	202	242	4	0	0
2	ML	151	1148	721	192	231	4	0	0
2	MM	154	1173	739	196	234	4	0	0
2	Py	155	1178	742	197	235	4	0	0

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Mol	Chain	Residues	Atoms					AltConf	Trace
2	Pz	152	Total	C	N	O	S	0	0
			1160	730	194	232	4		
2	QA	154	Total	C	N	O	S	0	0
			1173	739	196	234	4		
2	QB	153	Total	C	N	O	S	0	0
			1165	733	195	233	4		
2	QC	154	Total	C	N	O	S	0	0
			1173	739	196	234	4		
2	QD	153	Total	C	N	O	S	0	0
			1165	733	195	233	4		
2	QE	154	Total	C	N	O	S	0	0
			1173	739	196	234	4		
2	QF	154	Total	C	N	O	S	0	0
			1170	736	196	234	4		
2	QG	154	Total	C	N	O	S	0	0
			1173	739	196	234	4		
2	QH	153	Total	C	N	O	S	0	0
			1165	733	195	233	4		
2	QI	153	Total	C	N	O	S	0	0
			1165	733	195	233	4		
2	QJ	152	Total	C	N	O	S	0	0
			1160	730	194	232	4		
2	QK	154	Total	C	N	O	S	0	0
			1173	739	196	234	4		
2	QL	168	Total	C	N	O	S	0	0
			1288	813	215	256	4		
2	QM	154	Total	C	N	O	S	0	0
			1173	739	196	234	4		
2	QN	153	Total	C	N	O	S	0	0
			1161	730	194	233	4		
2	QO	153	Total	C	N	O	S	0	0
			1165	733	195	233	4		
2	QP	153	Total	C	N	O	S	0	0
			1161	730	194	233	4		
2	QQ	158	Total	C	N	O	S	0	0
			1198	750	202	242	4		
2	QR	151	Total	C	N	O	S	0	0
			1148	721	192	231	4		
2	QS	154	Total	C	N	O	S	0	0
			1173	739	196	234	4		
2	QT	120	Total	C	N	O	S	0	0
			917	584	151	180	2		

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Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
2	QU	158	1198	750	202	242	4	0	0
2	QV	153	1164	733	194	233	4	0	0
2	QW	160	1211	759	204	244	4	0	0
2	QX	158	1194	747	201	242	4	0	0
2	QY	154	1173	739	196	234	4	0	0
2	QZ	175	1337	840	225	268	4	0	0
2	Qa	153	1165	733	195	233	4	0	0
2	Qb	157	1189	744	200	241	4	0	0
2	Qc	166	1275	804	213	254	4	0	0
2	Qd	168	1288	813	215	256	4	0	0
2	Qe	152	1160	730	194	232	4	0	0
2	Qf	154	1173	739	196	234	4	0	0
2	Qg	153	1165	733	195	233	4	0	0
2	Qh	170	1304	823	218	259	4	0	0
2	Qi	153	1161	730	194	233	4	0	0
2	Qj	158	1198	750	202	242	4	0	0
2	Qk	151	1148	721	192	231	4	0	0
2	Ql	154	1173	739	196	234	4	0	0
2	Qm	153	1161	730	194	233	4	0	0
2	Qn	158	1198	750	202	242	4	0	0
2	Qo	151	1148	721	192	231	4	0	0

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Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
2	Qp	154	1173	739	196	234	4	0	0
2	Qq	153	1161	730	194	233	4	0	0
2	Qr	158	1198	750	202	242	4	0	0
2	Qs	151	1148	721	192	231	4	0	0
2	Qt	154	1173	739	196	234	4	0	0
2	Qu	153	1161	730	194	233	4	0	0
2	Qv	158	1198	750	202	242	4	0	0
2	Qw	151	1148	721	192	231	4	0	0
2	Qx	154	1173	739	196	234	4	0	0
2	Qy	153	1161	730	194	233	4	0	0
2	Qz	158	1198	750	202	242	4	0	0
2	RA	151	1148	721	192	231	4	0	0
2	RB	154	1173	739	196	234	4	0	0
2	Un	155	1178	742	197	235	4	0	0
2	Uo	152	1160	730	194	232	4	0	0
2	Up	154	1173	739	196	234	4	0	0
2	Uq	153	1165	733	195	233	4	0	0
2	Ur	154	1173	739	196	234	4	0	0
2	Us	153	1165	733	195	233	4	0	0
2	Ut	154	1173	739	196	234	4	0	0
2	Uu	154	1170	736	196	234	4	0	0

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Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
2	Uv	154	1173	739	196	234	4	0	0
2	Uw	153	1165	733	195	233	4	0	0
2	Ux	153	1165	733	195	233	4	0	0
2	Uy	152	1160	730	194	232	4	0	0
2	Uz	154	1173	739	196	234	4	0	0
2	VA	168	1288	813	215	256	4	0	0
2	VB	154	1173	739	196	234	4	0	0
2	VC	153	1161	730	194	233	4	0	0
2	VD	153	1165	733	195	233	4	0	0
2	VE	153	1161	730	194	233	4	0	0
2	VF	158	1198	750	202	242	4	0	0
2	VG	151	1148	721	192	231	4	0	0
2	VH	154	1173	739	196	234	4	0	0
2	VI	120	917	584	151	180	2	0	0
2	VJ	158	1198	750	202	242	4	0	0
2	VK	153	1164	733	194	233	4	0	0
2	VL	160	1211	759	204	244	4	0	0
2	VM	158	1194	747	201	242	4	0	0
2	VN	154	1173	739	196	234	4	0	0
2	VO	175	1337	840	225	268	4	0	0
2	VP	153	1165	733	195	233	4	0	0

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Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
2	VQ	157	1189	744	200	241	4	0	0
2	VR	166	1275	804	213	254	4	0	0
2	VS	168	1288	813	215	256	4	0	0
2	VT	152	1160	730	194	232	4	0	0
2	VU	154	1173	739	196	234	4	0	0
2	VV	153	1165	733	195	233	4	0	0
2	VW	170	1304	823	218	259	4	0	0
2	VX	153	1161	730	194	233	4	0	0
2	VY	158	1198	750	202	242	4	0	0
2	VZ	151	1148	721	192	231	4	0	0
2	Va	154	1173	739	196	234	4	0	0
2	Vb	153	1161	730	194	233	4	0	0
2	Vc	158	1198	750	202	242	4	0	0
2	Vd	151	1148	721	192	231	4	0	0
2	Ve	154	1173	739	196	234	4	0	0
2	Vf	153	1161	730	194	233	4	0	0
2	Vg	158	1198	750	202	242	4	0	0
2	Vh	151	1148	721	192	231	4	0	0
2	Vi	154	1173	739	196	234	4	0	0
2	Vj	153	1161	730	194	233	4	0	0
2	Vk	158	1198	750	202	242	4	0	0

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Mol	Chain	Residues	Atoms					AltConf	Trace
2	Vl	151	Total	C	N	O	S	0	0
			1148	721	192	231	4		
2	Vm	154	Total	C	N	O	S	0	0
			1173	739	196	234	4		
2	Vn	153	Total	C	N	O	S	0	0
			1161	730	194	233	4		
2	Vo	158	Total	C	N	O	S	0	0
			1198	750	202	242	4		
2	Vp	151	Total	C	N	O	S	0	0
			1148	721	192	231	4		
2	Vq	154	Total	C	N	O	S	0	0
			1173	739	196	234	4		

- Molecule 3 is a protein called Decoration protein P04.

Mol	Chain	Residues	Atoms					AltConf	Trace
3	Cj	161	Total	C	N	O	S	0	0
			1252	801	199	245	7		
3	HY	161	Total	C	N	O	S	0	0
			1252	801	199	245	7		
3	MN	161	Total	C	N	O	S	0	0
			1252	801	199	245	7		
3	RC	161	Total	C	N	O	S	0	0
			1252	801	199	245	7		
3	Vr	161	Total	C	N	O	S	0	0
			1252	801	199	245	7		

- Molecule 4 is a protein called DUF228 domain-containing protein.

Mol	Chain	Residues	Atoms					AltConf	Trace
4	Ck	152	Total	C	N	O	S	0	0
			1195	761	203	229	2		
4	Cl	152	Total	C	N	O	S	0	0
			1195	761	203	229	2		
4	Cm	153	Total	C	N	O	S	0	0
			1203	767	203	231	2		
4	Cn	152	Total	C	N	O	S	0	0
			1197	764	202	229	2		
4	Co	156	Total	C	N	O	S	0	0
			1222	776	208	235	3		
4	Cp	152	Total	C	N	O	S	0	0
			1191	758	202	229	2		

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Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
4	Cq	171	1358	865	231	260	2	0	0
4	Cr	171	1358	865	231	260	2	0	0
4	Cs	171	1358	865	231	260	2	0	0
4	Ct	144	1137	726	191	218	2	0	0
4	Cu	151	1187	755	201	229	2	0	0
4	Cv	154	1208	769	205	231	3	0	0
4	Cw	154	1208	769	205	231	3	0	0
4	Cx	151	1186	755	201	228	2	0	0
4	Cy	151	1186	755	201	228	2	0	0
4	Cz	152	1195	761	203	229	2	0	0
4	DA	171	1358	865	231	260	2	0	0
4	DB	171	1358	865	231	260	2	0	0
4	DC	171	1358	865	231	260	2	0	0
4	DD	171	1358	865	231	260	2	0	0
4	DE	171	1358	865	231	260	2	0	0
4	DF	171	1358	865	231	260	2	0	0
4	DG	171	1358	865	231	260	2	0	0
4	DH	171	1358	865	231	260	2	0	0
4	DI	171	1358	865	231	260	2	0	0
4	DJ	171	1358	865	231	260	2	0	0
4	HZ	152	1195	761	203	229	2	0	0

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Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
4	Ha	152	1195	761	203	229	2	0	0
4	Hb	153	1203	767	203	231	2	0	0
4	Hc	152	1197	764	202	229	2	0	0
4	Hd	156	1222	776	208	235	3	0	0
4	He	152	1191	758	202	229	2	0	0
4	Hf	171	1358	865	231	260	2	0	0
4	Hg	171	1358	865	231	260	2	0	0
4	Hh	171	1358	865	231	260	2	0	0
4	Hi	144	1137	726	191	218	2	0	0
4	Hj	151	1187	755	201	229	2	0	0
4	Hk	154	1208	769	205	231	3	0	0
4	Hl	154	1208	769	205	231	3	0	0
4	Hm	151	1186	755	201	228	2	0	0
4	Hn	151	1186	755	201	228	2	0	0
4	Ho	152	1195	761	203	229	2	0	0
4	Hp	171	1358	865	231	260	2	0	0
4	Hq	171	1358	865	231	260	2	0	0
4	Hr	171	1358	865	231	260	2	0	0
4	Hs	171	1358	865	231	260	2	0	0
4	Ht	171	1358	865	231	260	2	0	0
4	Hu	171	1358	865	231	260	2	0	0

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Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
4	Hv	171	1358	865	231	260	2	0	0
4	Hw	171	1358	865	231	260	2	0	0
4	Hx	171	1358	865	231	260	2	0	0
4	Hy	171	1358	865	231	260	2	0	0
4	MO	152	1195	761	203	229	2	0	0
4	MP	152	1195	761	203	229	2	0	0
4	MQ	153	1203	767	203	231	2	0	0
4	MR	152	1197	764	202	229	2	0	0
4	MS	156	1222	776	208	235	3	0	0
4	MT	152	1191	758	202	229	2	0	0
4	MU	171	1358	865	231	260	2	0	0
4	MV	171	1358	865	231	260	2	0	0
4	MW	171	1358	865	231	260	2	0	0
4	MX	144	1137	726	191	218	2	0	0
4	MY	151	1187	755	201	229	2	0	0
4	MZ	154	1208	769	205	231	3	0	0
4	Ma	154	1208	769	205	231	3	0	0
4	Mb	151	1186	755	201	228	2	0	0
4	Mc	151	1186	755	201	228	2	0	0
4	Md	152	1195	761	203	229	2	0	0
4	Me	171	1358	865	231	260	2	0	0

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Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
4	Mf	171	1358	865	231	260	2	0	0
4	Mg	171	1358	865	231	260	2	0	0
4	Mh	171	1358	865	231	260	2	0	0
4	Mi	171	1358	865	231	260	2	0	0
4	Mj	171	1358	865	231	260	2	0	0
4	Mk	171	1358	865	231	260	2	0	0
4	Ml	171	1358	865	231	260	2	0	0
4	Mm	171	1358	865	231	260	2	0	0
4	Mn	171	1358	865	231	260	2	0	0
4	RD	152	1195	761	203	229	2	0	0
4	RE	152	1195	761	203	229	2	0	0
4	RF	153	1203	767	203	231	2	0	0
4	RG	152	1197	764	202	229	2	0	0
4	RH	156	1222	776	208	235	3	0	0
4	RI	152	1191	758	202	229	2	0	0
4	RJ	171	1358	865	231	260	2	0	0
4	RK	171	1358	865	231	260	2	0	0
4	RL	171	1358	865	231	260	2	0	0
4	RM	144	1137	726	191	218	2	0	0
4	RN	151	1187	755	201	229	2	0	0
4	RO	154	1208	769	205	231	3	0	0

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Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
4	RP	154	1208	769	205	231	3	0	0
4	RQ	151	1186	755	201	228	2	0	0
4	RR	151	1186	755	201	228	2	0	0
4	RS	152	1195	761	203	229	2	0	0
4	RT	171	1358	865	231	260	2	0	0
4	RU	171	1358	865	231	260	2	0	0
4	RV	171	1358	865	231	260	2	0	0
4	RW	171	1358	865	231	260	2	0	0
4	RX	171	1358	865	231	260	2	0	0
4	RY	171	1358	865	231	260	2	0	0
4	RZ	171	1358	865	231	260	2	0	0
4	Ra	171	1358	865	231	260	2	0	0
4	Rb	171	1358	865	231	260	2	0	0
4	Rc	171	1358	865	231	260	2	0	0
4	Vs	152	1195	761	203	229	2	0	0
4	Vt	152	1195	761	203	229	2	0	0
4	Vu	153	1203	767	203	231	2	0	0
4	Vv	152	1197	764	202	229	2	0	0
4	Vw	156	1222	776	208	235	3	0	0
4	Vx	152	1191	758	202	229	2	0	0
4	Vy	171	1358	865	231	260	2	0	0

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Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
4	Vz	171	1358	865	231	260	2	0	0
4	WA	171	1358	865	231	260	2	0	0
4	WB	144	1137	726	191	218	2	0	0
4	WC	151	1187	755	201	229	2	0	0
4	WD	154	1208	769	205	231	3	0	0
4	WE	154	1208	769	205	231	3	0	0
4	WF	151	1186	755	201	228	2	0	0
4	WG	151	1186	755	201	228	2	0	0
4	WH	152	1195	761	203	229	2	0	0
4	WI	171	1358	865	231	260	2	0	0
4	WJ	171	1358	865	231	260	2	0	0
4	WK	171	1358	865	231	260	2	0	0
4	WL	171	1358	865	231	260	2	0	0
4	WM	171	1358	865	231	260	2	0	0
4	WN	171	1358	865	231	260	2	0	0
4	WO	171	1358	865	231	260	2	0	0
4	WP	171	1358	865	231	260	2	0	0
4	WQ	171	1358	865	231	260	2	0	0
4	WR	171	1358	865	231	260	2	0	0

There are 260 discrepancies between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
Ck	86	GLN	HIS	conflict	UNP A0A0H3BZR0

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Chain	Residue	Modelled	Actual	Comment	Reference
Ck	142	ILE	VAL	conflict	UNP A0A0H3BZR0
Cl	86	GLN	HIS	conflict	UNP A0A0H3BZR0
Cl	142	ILE	VAL	conflict	UNP A0A0H3BZR0
Cm	86	GLN	HIS	conflict	UNP A0A0H3BZR0
Cm	142	ILE	VAL	conflict	UNP A0A0H3BZR0
Cn	86	GLN	HIS	conflict	UNP A0A0H3BZR0
Cn	142	ILE	VAL	conflict	UNP A0A0H3BZR0
Co	86	GLN	HIS	conflict	UNP A0A0H3BZR0
Co	142	ILE	VAL	conflict	UNP A0A0H3BZR0
Cp	86	GLN	HIS	conflict	UNP A0A0H3BZR0
Cp	142	ILE	VAL	conflict	UNP A0A0H3BZR0
Cq	86	GLN	HIS	conflict	UNP A0A0H3BZR0
Cq	142	ILE	VAL	conflict	UNP A0A0H3BZR0
Cr	86	GLN	HIS	conflict	UNP A0A0H3BZR0
Cr	142	ILE	VAL	conflict	UNP A0A0H3BZR0
Cs	86	GLN	HIS	conflict	UNP A0A0H3BZR0
Cs	142	ILE	VAL	conflict	UNP A0A0H3BZR0
Ct	86	GLN	HIS	conflict	UNP A0A0H3BZR0
Ct	142	ILE	VAL	conflict	UNP A0A0H3BZR0
Cu	86	GLN	HIS	conflict	UNP A0A0H3BZR0
Cu	142	ILE	VAL	conflict	UNP A0A0H3BZR0
Cv	86	GLN	HIS	conflict	UNP A0A0H3BZR0
Cv	142	ILE	VAL	conflict	UNP A0A0H3BZR0
Cw	86	GLN	HIS	conflict	UNP A0A0H3BZR0
Cw	142	ILE	VAL	conflict	UNP A0A0H3BZR0
Cx	86	GLN	HIS	conflict	UNP A0A0H3BZR0
Cx	142	ILE	VAL	conflict	UNP A0A0H3BZR0
Cy	86	GLN	HIS	conflict	UNP A0A0H3BZR0
Cy	142	ILE	VAL	conflict	UNP A0A0H3BZR0
Cz	86	GLN	HIS	conflict	UNP A0A0H3BZR0
Cz	142	ILE	VAL	conflict	UNP A0A0H3BZR0
DA	86	GLN	HIS	conflict	UNP A0A0H3BZR0
DA	142	ILE	VAL	conflict	UNP A0A0H3BZR0
DB	86	GLN	HIS	conflict	UNP A0A0H3BZR0
DB	142	ILE	VAL	conflict	UNP A0A0H3BZR0
DC	86	GLN	HIS	conflict	UNP A0A0H3BZR0
DC	142	ILE	VAL	conflict	UNP A0A0H3BZR0
DD	86	GLN	HIS	conflict	UNP A0A0H3BZR0
DD	142	ILE	VAL	conflict	UNP A0A0H3BZR0
DE	86	GLN	HIS	conflict	UNP A0A0H3BZR0
DE	142	ILE	VAL	conflict	UNP A0A0H3BZR0
DF	86	GLN	HIS	conflict	UNP A0A0H3BZR0

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Chain	Residue	Modelled	Actual	Comment	Reference
DF	142	ILE	VAL	conflict	UNP A0A0H3BZR0
DG	86	GLN	HIS	conflict	UNP A0A0H3BZR0
DG	142	ILE	VAL	conflict	UNP A0A0H3BZR0
DH	86	GLN	HIS	conflict	UNP A0A0H3BZR0
DH	142	ILE	VAL	conflict	UNP A0A0H3BZR0
DI	86	GLN	HIS	conflict	UNP A0A0H3BZR0
DI	142	ILE	VAL	conflict	UNP A0A0H3BZR0
DJ	86	GLN	HIS	conflict	UNP A0A0H3BZR0
DJ	142	ILE	VAL	conflict	UNP A0A0H3BZR0
HZ	86	GLN	HIS	conflict	UNP A0A0H3BZR0
HZ	142	ILE	VAL	conflict	UNP A0A0H3BZR0
Ha	86	GLN	HIS	conflict	UNP A0A0H3BZR0
Ha	142	ILE	VAL	conflict	UNP A0A0H3BZR0
Hb	86	GLN	HIS	conflict	UNP A0A0H3BZR0
Hb	142	ILE	VAL	conflict	UNP A0A0H3BZR0
Hc	86	GLN	HIS	conflict	UNP A0A0H3BZR0
Hc	142	ILE	VAL	conflict	UNP A0A0H3BZR0
Hd	86	GLN	HIS	conflict	UNP A0A0H3BZR0
Hd	142	ILE	VAL	conflict	UNP A0A0H3BZR0
He	86	GLN	HIS	conflict	UNP A0A0H3BZR0
He	142	ILE	VAL	conflict	UNP A0A0H3BZR0
Hf	86	GLN	HIS	conflict	UNP A0A0H3BZR0
Hf	142	ILE	VAL	conflict	UNP A0A0H3BZR0
Hg	86	GLN	HIS	conflict	UNP A0A0H3BZR0
Hg	142	ILE	VAL	conflict	UNP A0A0H3BZR0
Hh	86	GLN	HIS	conflict	UNP A0A0H3BZR0
Hh	142	ILE	VAL	conflict	UNP A0A0H3BZR0
Hi	86	GLN	HIS	conflict	UNP A0A0H3BZR0
Hi	142	ILE	VAL	conflict	UNP A0A0H3BZR0
Hj	86	GLN	HIS	conflict	UNP A0A0H3BZR0
Hj	142	ILE	VAL	conflict	UNP A0A0H3BZR0
Hk	86	GLN	HIS	conflict	UNP A0A0H3BZR0
Hk	142	ILE	VAL	conflict	UNP A0A0H3BZR0
Hl	86	GLN	HIS	conflict	UNP A0A0H3BZR0
Hl	142	ILE	VAL	conflict	UNP A0A0H3BZR0
Hm	86	GLN	HIS	conflict	UNP A0A0H3BZR0
Hm	142	ILE	VAL	conflict	UNP A0A0H3BZR0
Hn	86	GLN	HIS	conflict	UNP A0A0H3BZR0
Hn	142	ILE	VAL	conflict	UNP A0A0H3BZR0
Ho	86	GLN	HIS	conflict	UNP A0A0H3BZR0
Ho	142	ILE	VAL	conflict	UNP A0A0H3BZR0
Hp	86	GLN	HIS	conflict	UNP A0A0H3BZR0

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Chain	Residue	Modelled	Actual	Comment	Reference
Hp	142	ILE	VAL	conflict	UNP A0A0H3BZR0
Hq	86	GLN	HIS	conflict	UNP A0A0H3BZR0
Hq	142	ILE	VAL	conflict	UNP A0A0H3BZR0
Hr	86	GLN	HIS	conflict	UNP A0A0H3BZR0
Hr	142	ILE	VAL	conflict	UNP A0A0H3BZR0
Hs	86	GLN	HIS	conflict	UNP A0A0H3BZR0
Hs	142	ILE	VAL	conflict	UNP A0A0H3BZR0
Ht	86	GLN	HIS	conflict	UNP A0A0H3BZR0
Ht	142	ILE	VAL	conflict	UNP A0A0H3BZR0
Hu	86	GLN	HIS	conflict	UNP A0A0H3BZR0
Hu	142	ILE	VAL	conflict	UNP A0A0H3BZR0
Hv	86	GLN	HIS	conflict	UNP A0A0H3BZR0
Hv	142	ILE	VAL	conflict	UNP A0A0H3BZR0
Hw	86	GLN	HIS	conflict	UNP A0A0H3BZR0
Hw	142	ILE	VAL	conflict	UNP A0A0H3BZR0
Hx	86	GLN	HIS	conflict	UNP A0A0H3BZR0
Hx	142	ILE	VAL	conflict	UNP A0A0H3BZR0
Hy	86	GLN	HIS	conflict	UNP A0A0H3BZR0
Hy	142	ILE	VAL	conflict	UNP A0A0H3BZR0
MO	86	GLN	HIS	conflict	UNP A0A0H3BZR0
MO	142	ILE	VAL	conflict	UNP A0A0H3BZR0
MP	86	GLN	HIS	conflict	UNP A0A0H3BZR0
MP	142	ILE	VAL	conflict	UNP A0A0H3BZR0
MQ	86	GLN	HIS	conflict	UNP A0A0H3BZR0
MQ	142	ILE	VAL	conflict	UNP A0A0H3BZR0
MR	86	GLN	HIS	conflict	UNP A0A0H3BZR0
MR	142	ILE	VAL	conflict	UNP A0A0H3BZR0
MS	86	GLN	HIS	conflict	UNP A0A0H3BZR0
MS	142	ILE	VAL	conflict	UNP A0A0H3BZR0
MT	86	GLN	HIS	conflict	UNP A0A0H3BZR0
MT	142	ILE	VAL	conflict	UNP A0A0H3BZR0
MU	86	GLN	HIS	conflict	UNP A0A0H3BZR0
MU	142	ILE	VAL	conflict	UNP A0A0H3BZR0
MV	86	GLN	HIS	conflict	UNP A0A0H3BZR0
MV	142	ILE	VAL	conflict	UNP A0A0H3BZR0
MW	86	GLN	HIS	conflict	UNP A0A0H3BZR0
MW	142	ILE	VAL	conflict	UNP A0A0H3BZR0
MX	86	GLN	HIS	conflict	UNP A0A0H3BZR0
MX	142	ILE	VAL	conflict	UNP A0A0H3BZR0
MY	86	GLN	HIS	conflict	UNP A0A0H3BZR0
MY	142	ILE	VAL	conflict	UNP A0A0H3BZR0
MZ	86	GLN	HIS	conflict	UNP A0A0H3BZR0

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Chain	Residue	Modelled	Actual	Comment	Reference
MZ	142	ILE	VAL	conflict	UNP A0A0H3BZR0
Ma	86	GLN	HIS	conflict	UNP A0A0H3BZR0
Ma	142	ILE	VAL	conflict	UNP A0A0H3BZR0
Mb	86	GLN	HIS	conflict	UNP A0A0H3BZR0
Mb	142	ILE	VAL	conflict	UNP A0A0H3BZR0
Mc	86	GLN	HIS	conflict	UNP A0A0H3BZR0
Mc	142	ILE	VAL	conflict	UNP A0A0H3BZR0
Md	86	GLN	HIS	conflict	UNP A0A0H3BZR0
Md	142	ILE	VAL	conflict	UNP A0A0H3BZR0
Me	86	GLN	HIS	conflict	UNP A0A0H3BZR0
Me	142	ILE	VAL	conflict	UNP A0A0H3BZR0
Mf	86	GLN	HIS	conflict	UNP A0A0H3BZR0
Mf	142	ILE	VAL	conflict	UNP A0A0H3BZR0
Mg	86	GLN	HIS	conflict	UNP A0A0H3BZR0
Mg	142	ILE	VAL	conflict	UNP A0A0H3BZR0
Mh	86	GLN	HIS	conflict	UNP A0A0H3BZR0
Mh	142	ILE	VAL	conflict	UNP A0A0H3BZR0
Mi	86	GLN	HIS	conflict	UNP A0A0H3BZR0
Mi	142	ILE	VAL	conflict	UNP A0A0H3BZR0
Mj	86	GLN	HIS	conflict	UNP A0A0H3BZR0
Mj	142	ILE	VAL	conflict	UNP A0A0H3BZR0
Mk	86	GLN	HIS	conflict	UNP A0A0H3BZR0
Mk	142	ILE	VAL	conflict	UNP A0A0H3BZR0
Ml	86	GLN	HIS	conflict	UNP A0A0H3BZR0
Ml	142	ILE	VAL	conflict	UNP A0A0H3BZR0
Mm	86	GLN	HIS	conflict	UNP A0A0H3BZR0
Mm	142	ILE	VAL	conflict	UNP A0A0H3BZR0
Mn	86	GLN	HIS	conflict	UNP A0A0H3BZR0
Mn	142	ILE	VAL	conflict	UNP A0A0H3BZR0
RD	86	GLN	HIS	conflict	UNP A0A0H3BZR0
RD	142	ILE	VAL	conflict	UNP A0A0H3BZR0
RE	86	GLN	HIS	conflict	UNP A0A0H3BZR0
RE	142	ILE	VAL	conflict	UNP A0A0H3BZR0
RF	86	GLN	HIS	conflict	UNP A0A0H3BZR0
RF	142	ILE	VAL	conflict	UNP A0A0H3BZR0
RG	86	GLN	HIS	conflict	UNP A0A0H3BZR0
RG	142	ILE	VAL	conflict	UNP A0A0H3BZR0
RH	86	GLN	HIS	conflict	UNP A0A0H3BZR0
RH	142	ILE	VAL	conflict	UNP A0A0H3BZR0
RI	86	GLN	HIS	conflict	UNP A0A0H3BZR0
RI	142	ILE	VAL	conflict	UNP A0A0H3BZR0
RJ	86	GLN	HIS	conflict	UNP A0A0H3BZR0

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Chain	Residue	Modelled	Actual	Comment	Reference
RJ	142	ILE	VAL	conflict	UNP A0A0H3BZR0
RK	86	GLN	HIS	conflict	UNP A0A0H3BZR0
RK	142	ILE	VAL	conflict	UNP A0A0H3BZR0
RL	86	GLN	HIS	conflict	UNP A0A0H3BZR0
RL	142	ILE	VAL	conflict	UNP A0A0H3BZR0
RM	86	GLN	HIS	conflict	UNP A0A0H3BZR0
RM	142	ILE	VAL	conflict	UNP A0A0H3BZR0
RN	86	GLN	HIS	conflict	UNP A0A0H3BZR0
RN	142	ILE	VAL	conflict	UNP A0A0H3BZR0
RO	86	GLN	HIS	conflict	UNP A0A0H3BZR0
RO	142	ILE	VAL	conflict	UNP A0A0H3BZR0
RP	86	GLN	HIS	conflict	UNP A0A0H3BZR0
RP	142	ILE	VAL	conflict	UNP A0A0H3BZR0
RQ	86	GLN	HIS	conflict	UNP A0A0H3BZR0
RQ	142	ILE	VAL	conflict	UNP A0A0H3BZR0
RR	86	GLN	HIS	conflict	UNP A0A0H3BZR0
RR	142	ILE	VAL	conflict	UNP A0A0H3BZR0
RS	86	GLN	HIS	conflict	UNP A0A0H3BZR0
RS	142	ILE	VAL	conflict	UNP A0A0H3BZR0
RT	86	GLN	HIS	conflict	UNP A0A0H3BZR0
RT	142	ILE	VAL	conflict	UNP A0A0H3BZR0
RU	86	GLN	HIS	conflict	UNP A0A0H3BZR0
RU	142	ILE	VAL	conflict	UNP A0A0H3BZR0
RV	86	GLN	HIS	conflict	UNP A0A0H3BZR0
RV	142	ILE	VAL	conflict	UNP A0A0H3BZR0
RW	86	GLN	HIS	conflict	UNP A0A0H3BZR0
RW	142	ILE	VAL	conflict	UNP A0A0H3BZR0
RX	86	GLN	HIS	conflict	UNP A0A0H3BZR0
RX	142	ILE	VAL	conflict	UNP A0A0H3BZR0
RY	86	GLN	HIS	conflict	UNP A0A0H3BZR0
RY	142	ILE	VAL	conflict	UNP A0A0H3BZR0
RZ	86	GLN	HIS	conflict	UNP A0A0H3BZR0
RZ	142	ILE	VAL	conflict	UNP A0A0H3BZR0
Ra	86	GLN	HIS	conflict	UNP A0A0H3BZR0
Ra	142	ILE	VAL	conflict	UNP A0A0H3BZR0
Rb	86	GLN	HIS	conflict	UNP A0A0H3BZR0
Rb	142	ILE	VAL	conflict	UNP A0A0H3BZR0
Rc	86	GLN	HIS	conflict	UNP A0A0H3BZR0
Rc	142	ILE	VAL	conflict	UNP A0A0H3BZR0
Vs	86	GLN	HIS	conflict	UNP A0A0H3BZR0
Vs	142	ILE	VAL	conflict	UNP A0A0H3BZR0
Vt	86	GLN	HIS	conflict	UNP A0A0H3BZR0

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Chain	Residue	Modelled	Actual	Comment	Reference
Vt	142	ILE	VAL	conflict	UNP A0A0H3BZR0
Vu	86	GLN	HIS	conflict	UNP A0A0H3BZR0
Vu	142	ILE	VAL	conflict	UNP A0A0H3BZR0
Vv	86	GLN	HIS	conflict	UNP A0A0H3BZR0
Vv	142	ILE	VAL	conflict	UNP A0A0H3BZR0
Vw	86	GLN	HIS	conflict	UNP A0A0H3BZR0
Vw	142	ILE	VAL	conflict	UNP A0A0H3BZR0
Vx	86	GLN	HIS	conflict	UNP A0A0H3BZR0
Vx	142	ILE	VAL	conflict	UNP A0A0H3BZR0
Vy	86	GLN	HIS	conflict	UNP A0A0H3BZR0
Vy	142	ILE	VAL	conflict	UNP A0A0H3BZR0
Vz	86	GLN	HIS	conflict	UNP A0A0H3BZR0
Vz	142	ILE	VAL	conflict	UNP A0A0H3BZR0
WA	86	GLN	HIS	conflict	UNP A0A0H3BZR0
WA	142	ILE	VAL	conflict	UNP A0A0H3BZR0
WB	86	GLN	HIS	conflict	UNP A0A0H3BZR0
WB	142	ILE	VAL	conflict	UNP A0A0H3BZR0
WC	86	GLN	HIS	conflict	UNP A0A0H3BZR0
WC	142	ILE	VAL	conflict	UNP A0A0H3BZR0
WD	86	GLN	HIS	conflict	UNP A0A0H3BZR0
WD	142	ILE	VAL	conflict	UNP A0A0H3BZR0
WE	86	GLN	HIS	conflict	UNP A0A0H3BZR0
WE	142	ILE	VAL	conflict	UNP A0A0H3BZR0
WF	86	GLN	HIS	conflict	UNP A0A0H3BZR0
WF	142	ILE	VAL	conflict	UNP A0A0H3BZR0
WG	86	GLN	HIS	conflict	UNP A0A0H3BZR0
WG	142	ILE	VAL	conflict	UNP A0A0H3BZR0
WH	86	GLN	HIS	conflict	UNP A0A0H3BZR0
WH	142	ILE	VAL	conflict	UNP A0A0H3BZR0
WI	86	GLN	HIS	conflict	UNP A0A0H3BZR0
WI	142	ILE	VAL	conflict	UNP A0A0H3BZR0
WJ	86	GLN	HIS	conflict	UNP A0A0H3BZR0
WJ	142	ILE	VAL	conflict	UNP A0A0H3BZR0
WK	86	GLN	HIS	conflict	UNP A0A0H3BZR0
WK	142	ILE	VAL	conflict	UNP A0A0H3BZR0
WL	86	GLN	HIS	conflict	UNP A0A0H3BZR0
WL	142	ILE	VAL	conflict	UNP A0A0H3BZR0
WM	86	GLN	HIS	conflict	UNP A0A0H3BZR0
WM	142	ILE	VAL	conflict	UNP A0A0H3BZR0
WN	86	GLN	HIS	conflict	UNP A0A0H3BZR0
WN	142	ILE	VAL	conflict	UNP A0A0H3BZR0
WO	86	GLN	HIS	conflict	UNP A0A0H3BZR0

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Chain	Residue	Modelled	Actual	Comment	Reference
WO	142	ILE	VAL	conflict	UNP A0A0H3BZR0
WP	86	GLN	HIS	conflict	UNP A0A0H3BZR0
WP	142	ILE	VAL	conflict	UNP A0A0H3BZR0
WQ	86	GLN	HIS	conflict	UNP A0A0H3BZR0
WQ	142	ILE	VAL	conflict	UNP A0A0H3BZR0
WR	86	GLN	HIS	conflict	UNP A0A0H3BZR0
WR	142	ILE	VAL	conflict	UNP A0A0H3BZR0

- Molecule 5 is a protein called Scaffold protein.

Mol	Chain	Residues	Atoms				AltConf	Trace
			Total	C	N	O		
5	DK	30	266	174	47	45	0	0
5	DL	37	315	203	55	57	0	0
5	DM	37	315	203	55	57	0	0
5	DN	37	315	203	55	57	0	0
5	DO	37	315	203	55	57	0	0
5	DP	37	315	203	55	57	0	0
5	DQ	37	315	203	55	57	0	0
5	DR	37	315	203	55	57	0	0
5	DS	37	315	203	55	57	0	0
5	DT	37	315	203	55	57	0	0
5	DU	37	315	203	55	57	0	0
5	DV	37	315	203	55	57	0	0
5	DW	30	266	174	47	45	0	0
5	DX	37	315	203	55	57	0	0
5	DY	37	315	203	55	57	0	0
5	DZ	37	315	203	55	57	0	0

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Mol	Chain	Residues	Atoms				AltConf	Trace
			Total	C	N	O		
5	Da	37	Total 315	C 203	N 55	O 57	0	0
5	Db	37	Total 315	C 203	N 55	O 57	0	0
5	Dc	37	Total 315	C 203	N 55	O 57	0	0
5	Dd	30	Total 266	C 174	N 47	O 45	0	0
5	De	37	Total 315	C 203	N 55	O 57	0	0
5	Df	37	Total 315	C 203	N 55	O 57	0	0
5	Dg	26	Total 233	C 149	N 43	O 41	0	0
5	Dh	30	Total 266	C 174	N 47	O 45	0	0
5	Di	30	Total 266	C 174	N 47	O 45	0	0
5	Dj	30	Total 266	C 174	N 47	O 45	0	0
5	Dk	30	Total 266	C 174	N 47	O 45	0	0
5	Dl	37	Total 315	C 203	N 55	O 57	0	0
5	Dm	29	Total 255	C 165	N 46	O 44	0	0
5	Dn	37	Total 315	C 203	N 55	O 57	0	0
5	Do	37	Total 315	C 203	N 55	O 57	0	0
5	Dp	37	Total 315	C 203	N 55	O 57	0	0
5	Dq	37	Total 315	C 203	N 55	O 57	0	0
5	Dr	37	Total 315	C 203	N 55	O 57	0	0
5	Ds	37	Total 315	C 203	N 55	O 57	0	0
5	Dt	37	Total 315	C 203	N 55	O 57	0	0
5	Du	37	Total 315	C 203	N 55	O 57	0	0

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Mol	Chain	Residues	Atoms				AltConf	Trace
			Total	C	N	O		
5	Dv	37	315	203	55	57	0	0
5	Dw	28	248	160	45	43	0	0
5	Dx	37	315	203	55	57	0	0
5	Dy	37	315	203	55	57	0	0
5	Dz	37	315	203	55	57	0	0
5	EA	26	233	149	43	41	0	0
5	EB	29	255	165	46	44	0	0
5	EC	26	233	149	43	41	0	0
5	ED	29	255	165	46	44	0	0
5	EE	37	315	203	55	57	0	0
5	EF	26	233	149	43	41	0	0
5	EG	37	315	203	55	57	0	0
5	EH	29	255	165	46	44	0	0
5	EI	30	266	174	47	45	0	0
5	EJ	30	266	174	47	45	0	0
5	EK	30	266	174	47	45	0	0
5	EL	40	345	221	64	60	0	0
5	EM	37	315	203	55	57	0	0
5	EN	37	315	203	55	57	0	0
5	EO	40	345	221	64	60	0	0
5	EP	37	315	203	55	57	0	0

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Mol	Chain	Residues	Atoms				AltConf	Trace
			Total	C	N	O		
5	EQ	37	Total 315	C 203	N 55	O 57	0	0
5	ER	40	Total 345	C 221	N 64	O 60	0	0
5	ES	37	Total 315	C 203	N 55	O 57	0	0
5	ET	37	Total 315	C 203	N 55	O 57	0	0
5	EU	40	Total 345	C 221	N 64	O 60	0	0
5	EV	37	Total 315	C 203	N 55	O 57	0	0
5	EW	37	Total 315	C 203	N 55	O 57	0	0
5	EX	37	Total 315	C 203	N 55	O 57	0	0
5	EY	40	Total 345	C 221	N 64	O 60	0	0
5	EZ	37	Total 315	C 203	N 55	O 57	0	0
5	Ea	40	Total 345	C 221	N 64	O 60	0	0
5	Eb	37	Total 315	C 203	N 55	O 57	0	0
5	Ec	37	Total 315	C 203	N 55	O 57	0	0
5	Ed	40	Total 345	C 221	N 64	O 60	0	0
5	Ee	37	Total 315	C 203	N 55	O 57	0	0
5	Ef	37	Total 315	C 203	N 55	O 57	0	0
5	Eg	40	Total 345	C 221	N 64	O 60	0	0
5	Eh	37	Total 315	C 203	N 55	O 57	0	0
5	Ei	37	Total 315	C 203	N 55	O 57	0	0
5	Ej	40	Total 345	C 221	N 64	O 60	0	0
5	Ek	37	Total 315	C 203	N 55	O 57	0	0

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Mol	Chain	Residues	Atoms				AltConf	Trace
			Total	C	N	O		
5	El	37	Total 315	C 203	N 55	O 57	0	0
5	Em	37	Total 315	C 203	N 55	O 57	0	0
5	En	40	Total 345	C 221	N 64	O 60	0	0
5	Eo	37	Total 315	C 203	N 55	O 57	0	0
5	Hz	30	Total 266	C 174	N 47	O 45	0	0
5	IA	37	Total 315	C 203	N 55	O 57	0	0
5	IB	37	Total 315	C 203	N 55	O 57	0	0
5	IC	37	Total 315	C 203	N 55	O 57	0	0
5	ID	37	Total 315	C 203	N 55	O 57	0	0
5	IE	37	Total 315	C 203	N 55	O 57	0	0
5	IF	37	Total 315	C 203	N 55	O 57	0	0
5	IG	37	Total 315	C 203	N 55	O 57	0	0
5	IH	37	Total 315	C 203	N 55	O 57	0	0
5	II	37	Total 315	C 203	N 55	O 57	0	0
5	IJ	37	Total 315	C 203	N 55	O 57	0	0
5	IK	37	Total 315	C 203	N 55	O 57	0	0
5	IL	30	Total 266	C 174	N 47	O 45	0	0
5	IM	37	Total 315	C 203	N 55	O 57	0	0
5	IN	37	Total 315	C 203	N 55	O 57	0	0
5	IO	37	Total 315	C 203	N 55	O 57	0	0
5	IP	37	Total 315	C 203	N 55	O 57	0	0

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Mol	Chain	Residues	Atoms				AltConf	Trace
			Total	C	N	O		
5	IQ	37	315	203	55	57	0	0
5	IR	37	315	203	55	57	0	0
5	IS	30	266	174	47	45	0	0
5	IT	37	315	203	55	57	0	0
5	IU	26	233	149	43	41	0	0
5	IV	37	315	203	55	57	0	0
5	IW	30	266	174	47	45	0	0
5	IX	30	266	174	47	45	0	0
5	IY	30	266	174	47	45	0	0
5	IZ	30	266	174	47	45	0	0
5	Ia	37	315	203	55	57	0	0
5	Ib	29	255	165	46	44	0	0
5	Ic	37	315	203	55	57	0	0
5	Id	37	315	203	55	57	0	0
5	Ie	37	315	203	55	57	0	0
5	If	37	315	203	55	57	0	0
5	Ig	37	315	203	55	57	0	0
5	Ih	37	315	203	55	57	0	0
5	Ii	37	315	203	55	57	0	0
5	Ij	37	315	203	55	57	0	0
5	Ik	37	315	203	55	57	0	0

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Mol	Chain	Residues	Atoms				AltConf	Trace
			Total	C	N	O		
5	Il	28	248	160	45	43	0	0
5	Im	37	315	203	55	57	0	0
5	In	37	315	203	55	57	0	0
5	Io	37	315	203	55	57	0	0
5	Ip	26	233	149	43	41	0	0
5	Iq	29	255	165	46	44	0	0
5	Ir	26	233	149	43	41	0	0
5	Is	29	255	165	46	44	0	0
5	It	37	315	203	55	57	0	0
5	Iu	37	315	203	55	57	0	0
5	Iv	37	315	203	55	57	0	0
5	Iw	29	255	165	46	44	0	0
5	Ix	30	266	174	47	45	0	0
5	Iy	30	266	174	47	45	0	0
5	Iz	30	266	174	47	45	0	0
5	JA	40	345	221	64	60	0	0
5	JB	37	315	203	55	57	0	0
5	JC	37	315	203	55	57	0	0
5	JD	40	345	221	64	60	0	0
5	JE	37	315	203	55	57	0	0
5	JF	37	315	203	55	57	0	0

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Mol	Chain	Residues	Atoms				AltConf	Trace
			Total	C	N	O		
5	JG	40	345	221	64	60	0	0
5	JH	37	315	203	55	57	0	0
5	JI	37	315	203	55	57	0	0
5	JJ	40	345	221	64	60	0	0
5	JK	37	315	203	55	57	0	0
5	JL	37	315	203	55	57	0	0
5	JM	37	315	203	55	57	0	0
5	JN	40	345	221	64	60	0	0
5	JO	37	315	203	55	57	0	0
5	JP	29	263	167	52	44	0	0
5	JQ	37	315	203	55	57	0	0
5	JR	37	315	203	55	57	0	0
5	JS	40	345	221	64	60	0	0
5	JT	37	315	203	55	57	0	0
5	JU	37	315	203	55	57	0	0
5	JV	40	345	221	64	60	0	0
5	JW	37	315	203	55	57	0	0
5	JX	37	315	203	55	57	0	0
5	JY	40	345	221	64	60	0	0
5	JZ	37	315	203	55	57	0	0
5	Ja	37	315	203	55	57	0	0

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Mol	Chain	Residues	Atoms				AltConf	Trace
			Total	C	N	O		
5	Jb	37	Total 315	C 203	N 55	O 57	0	0
5	Jc	40	Total 345	C 221	N 64	O 60	0	0
5	Jd	37	Total 315	C 203	N 55	O 57	0	0
5	Mo	30	Total 266	C 174	N 47	O 45	0	0
5	Mp	37	Total 315	C 203	N 55	O 57	0	0
5	Mq	37	Total 315	C 203	N 55	O 57	0	0
5	Mr	37	Total 315	C 203	N 55	O 57	0	0
5	Ms	37	Total 315	C 203	N 55	O 57	0	0
5	Mt	37	Total 315	C 203	N 55	O 57	0	0
5	Mu	37	Total 315	C 203	N 55	O 57	0	0
5	Mv	37	Total 315	C 203	N 55	O 57	0	0
5	Mw	37	Total 315	C 203	N 55	O 57	0	0
5	Mx	37	Total 315	C 203	N 55	O 57	0	0
5	My	37	Total 315	C 203	N 55	O 57	0	0
5	Mz	37	Total 315	C 203	N 55	O 57	0	0
5	NA	30	Total 266	C 174	N 47	O 45	0	0
5	NB	37	Total 315	C 203	N 55	O 57	0	0
5	NC	37	Total 315	C 203	N 55	O 57	0	0
5	ND	37	Total 315	C 203	N 55	O 57	0	0
5	NE	37	Total 315	C 203	N 55	O 57	0	0
5	NF	37	Total 315	C 203	N 55	O 57	0	0

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Mol	Chain	Residues	Atoms				AltConf	Trace
			Total	C	N	O		
5	NG	37	315	203	55	57	0	0
5	NH	30	266	174	47	45	0	0
5	NI	37	315	203	55	57	0	0
5	NJ	37	315	203	55	57	0	0
5	NK	37	315	203	55	57	0	0
5	NL	30	266	174	47	45	0	0
5	NM	30	266	174	47	45	0	0
5	NN	30	266	174	47	45	0	0
5	NO	30	266	174	47	45	0	0
5	NP	37	315	203	55	57	0	0
5	NQ	29	255	165	46	44	0	0
5	NR	37	315	203	55	57	0	0
5	NS	37	315	203	55	57	0	0
5	NT	37	315	203	55	57	0	0
5	NU	37	315	203	55	57	0	0
5	NV	37	315	203	55	57	0	0
5	NW	37	315	203	55	57	0	0
5	NX	37	315	203	55	57	0	0
5	NY	37	315	203	55	57	0	0
5	NZ	37	315	203	55	57	0	0
5	Na	28	248	160	45	43	0	0

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Mol	Chain	Residues	Atoms				AltConf	Trace
			Total	C	N	O		
5	Nb	37	315	203	55	57	0	0
5	Nc	37	315	203	55	57	0	0
5	Nd	37	315	203	55	57	0	0
5	Ne	37	315	203	55	57	0	0
5	Nf	29	255	165	46	44	0	0
5	Ng	37	315	203	55	57	0	0
5	Nh	29	255	165	46	44	0	0
5	Ni	37	315	203	55	57	0	0
5	Nj	37	315	203	55	57	0	0
5	Nk	37	315	203	55	57	0	0
5	Nl	29	255	165	46	44	0	0
5	Nm	30	266	174	47	45	0	0
5	Nn	30	266	174	47	45	0	0
5	No	30	266	174	47	45	0	0
5	Np	29	263	167	52	44	0	0
5	Nq	37	315	203	55	57	0	0
5	Nr	37	315	203	55	57	0	0
5	Ns	40	345	221	64	60	0	0
5	Nt	37	315	203	55	57	0	0
5	Nu	37	315	203	55	57	0	0
5	Nv	40	345	221	64	60	0	0

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Mol	Chain	Residues	Atoms				AltConf	Trace
			Total	C	N	O		
5	Nw	37	315	203	55	57	0	0
5	Nx	37	315	203	55	57	0	0
5	Ny	40	345	221	64	60	0	0
5	Nz	37	315	203	55	57	0	0
5	OA	26	233	149	43	41	0	0
5	OB	37	315	203	55	57	0	0
5	OC	40	345	221	64	60	0	0
5	OD	37	315	203	55	57	0	0
5	OE	40	345	221	64	60	0	0
5	OF	37	315	203	55	57	0	0
5	OG	37	315	203	55	57	0	0
5	OH	40	345	221	64	60	0	0
5	OI	37	315	203	55	57	0	0
5	OJ	37	315	203	55	57	0	0
5	OK	40	345	221	64	60	0	0
5	OL	37	315	203	55	57	0	0
5	OM	37	315	203	55	57	0	0
5	ON	40	345	221	64	60	0	0
5	OO	37	315	203	55	57	0	0
5	OP	37	315	203	55	57	0	0
5	OQ	37	315	203	55	57	0	0

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Mol	Chain	Residues	Atoms				AltConf	Trace
			Total	C	N	O		
5	OR	40	Total 345	C 221	N 64	O 60	0	0
5	OS	37	Total 315	C 203	N 55	O 57	0	0
5	Rd	30	Total 266	C 174	N 47	O 45	0	0
5	Re	37	Total 315	C 203	N 55	O 57	0	0
5	Rf	37	Total 315	C 203	N 55	O 57	0	0
5	Rg	37	Total 315	C 203	N 55	O 57	0	0
5	Rh	37	Total 315	C 203	N 55	O 57	0	0
5	Ri	37	Total 315	C 203	N 55	O 57	0	0
5	Rj	37	Total 315	C 203	N 55	O 57	0	0
5	Rk	37	Total 315	C 203	N 55	O 57	0	0
5	Rl	37	Total 315	C 203	N 55	O 57	0	0
5	Rm	37	Total 315	C 203	N 55	O 57	0	0
5	Rn	37	Total 315	C 203	N 55	O 57	0	0
5	Ro	37	Total 315	C 203	N 55	O 57	0	0
5	Rp	30	Total 266	C 174	N 47	O 45	0	0
5	Rq	37	Total 315	C 203	N 55	O 57	0	0
5	Rr	37	Total 315	C 203	N 55	O 57	0	0
5	Rs	37	Total 315	C 203	N 55	O 57	0	0
5	Rt	37	Total 315	C 203	N 55	O 57	0	0
5	Ru	37	Total 315	C 203	N 55	O 57	0	0
5	Rv	37	Total 315	C 203	N 55	O 57	0	0

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Mol	Chain	Residues	Atoms				AltConf	Trace
			Total	C	N	O		
5	Rw	30	266	174	47	45	0	0
5	Rx	37	315	203	55	57	0	0
5	Ry	37	315	203	55	57	0	0
5	Rz	37	315	203	55	57	0	0
5	SA	30	266	174	47	45	0	0
5	SB	30	266	174	47	45	0	0
5	SC	30	266	174	47	45	0	0
5	SD	30	266	174	47	45	0	0
5	SE	37	315	203	55	57	0	0
5	SF	29	255	165	46	44	0	0
5	SG	37	315	203	55	57	0	0
5	SH	37	315	203	55	57	0	0
5	SI	37	315	203	55	57	0	0
5	SJ	37	315	203	55	57	0	0
5	SK	37	315	203	55	57	0	0
5	SL	37	315	203	55	57	0	0
5	SM	37	315	203	55	57	0	0
5	SN	37	315	203	55	57	0	0
5	SO	37	315	203	55	57	0	0
5	SP	28	248	160	45	43	0	0
5	SQ	37	315	203	55	57	0	0

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Mol	Chain	Residues	Atoms				AltConf	Trace
			Total	C	N	O		
5	SR	37	315	203	55	57	0	0
5	SS	37	315	203	55	57	0	0
5	ST	37	315	203	55	57	0	0
5	SU	29	255	165	46	44	0	0
5	SV	37	315	203	55	57	0	0
5	SW	29	255	165	46	44	0	0
5	SX	37	315	203	55	57	0	0
5	SY	26	233	149	43	41	0	0
5	SZ	37	315	203	55	57	0	0
5	Sa	29	255	165	46	44	0	0
5	Sb	30	266	174	47	45	0	0
5	Sc	30	266	174	47	45	0	0
5	Sd	30	266	174	47	45	0	0
5	Se	40	345	221	64	60	0	0
5	Sf	37	315	203	55	57	0	0
5	Sg	37	315	203	55	57	0	0
5	Sh	40	345	221	64	60	0	0
5	Si	37	315	203	55	57	0	0
5	Sj	37	315	203	55	57	0	0
5	Sk	40	345	221	64	60	0	0
5	Sl	37	315	203	55	57	0	0

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Mol	Chain	Residues	Atoms				AltConf	Trace
			Total	C	N	O		
5	Sm	37	Total 315	C 203	N 55	O 57	0	0
5	Sn	40	Total 345	C 221	N 64	O 60	0	0
5	So	37	Total 315	C 203	N 55	O 57	0	0
5	Sp	26	Total 233	C 149	N 43	O 41	0	0
5	Sq	37	Total 315	C 203	N 55	O 57	0	0
5	Sr	40	Total 345	C 221	N 64	O 60	0	0
5	Ss	37	Total 315	C 203	N 55	O 57	0	0
5	St	40	Total 345	C 221	N 64	O 60	0	0
5	Su	37	Total 315	C 203	N 55	O 57	0	0
5	Sv	37	Total 315	C 203	N 55	O 57	0	0
5	Sw	40	Total 345	C 221	N 64	O 60	0	0
5	Sx	37	Total 315	C 203	N 55	O 57	0	0
5	Sy	37	Total 315	C 203	N 55	O 57	0	0
5	Sz	40	Total 345	C 221	N 64	O 60	0	0
5	TA	37	Total 315	C 203	N 55	O 57	0	0
5	TB	37	Total 315	C 203	N 55	O 57	0	0
5	TC	40	Total 345	C 221	N 64	O 60	0	0
5	TD	37	Total 315	C 203	N 55	O 57	0	0
5	TE	37	Total 315	C 203	N 55	O 57	0	0
5	TF	37	Total 315	C 203	N 55	O 57	0	0
5	TG	40	Total 345	C 221	N 64	O 60	0	0

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Mol	Chain	Residues	Atoms				AltConf	Trace
			Total	C	N	O		
5	TH	37	315	203	55	57	0	0
5	WS	30	266	174	47	45	0	0
5	WT	37	315	203	55	57	0	0
5	WU	37	315	203	55	57	0	0
5	WV	37	315	203	55	57	0	0
5	WW	37	315	203	55	57	0	0
5	WX	37	315	203	55	57	0	0
5	WY	37	315	203	55	57	0	0
5	WZ	37	315	203	55	57	0	0
5	Wa	37	315	203	55	57	0	0
5	Wb	37	315	203	55	57	0	0
5	Wc	37	315	203	55	57	0	0
5	Wd	37	315	203	55	57	0	0
5	We	30	266	174	47	45	0	0
5	Wf	37	315	203	55	57	0	0
5	Wg	37	315	203	55	57	0	0
5	Wh	37	315	203	55	57	0	0
5	Wi	37	315	203	55	57	0	0
5	Wj	37	315	203	55	57	0	0
5	Wk	37	315	203	55	57	0	0
5	Wl	30	266	174	47	45	0	0

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Mol	Chain	Residues	Atoms				AltConf	Trace
			Total	C	N	O		
5	Wm	37	315	203	55	57	0	0
5	Wn	37	315	203	55	57	0	0
5	Wo	37	315	203	55	57	0	0
5	Wp	30	266	174	47	45	0	0
5	Wq	30	266	174	47	45	0	0
5	Wr	30	266	174	47	45	0	0
5	Ws	30	266	174	47	45	0	0
5	Wt	37	315	203	55	57	0	0
5	Wu	29	255	165	46	44	0	0
5	Wv	37	315	203	55	57	0	0
5	Ww	37	315	203	55	57	0	0
5	Wx	37	315	203	55	57	0	0
5	Wy	37	315	203	55	57	0	0
5	Wz	37	315	203	55	57	0	0
5	XA	37	315	203	55	57	0	0
5	XB	37	315	203	55	57	0	0
5	XC	37	315	203	55	57	0	0
5	XD	37	315	203	55	57	0	0
5	XE	28	248	160	45	43	0	0
5	XF	37	315	203	55	57	0	0
5	XG	37	315	203	55	57	0	0

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Mol	Chain	Residues	Atoms				AltConf	Trace
			Total	C	N	O		
5	XH	37	315	203	55	57	0	0
5	XI	37	315	203	55	57	0	0
5	XJ	29	255	165	46	44	0	0
5	XK	37	315	203	55	57	0	0
5	XL	29	255	165	46	44	0	0
5	XM	37	315	203	55	57	0	0
5	XN	37	315	203	55	57	0	0
5	XO	37	315	203	55	57	0	0
5	XP	29	255	165	46	44	0	0
5	XQ	30	266	174	47	45	0	0
5	XR	30	266	174	47	45	0	0
5	XS	30	266	174	47	45	0	0
5	XT	40	345	221	64	60	0	0
5	XU	37	315	203	55	57	0	0
5	XV	37	315	203	55	57	0	0
5	XW	40	345	221	64	60	0	0
5	XX	37	315	203	55	57	0	0
5	XY	37	315	203	55	57	0	0
5	XZ	40	345	221	64	60	0	0
5	Xa	37	315	203	55	57	0	0
5	Xb	37	315	203	55	57	0	0

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Mol	Chain	Residues	Atoms				AltConf	Trace
			Total	C	N	O		
5	Xc	40	Total 345	C 221	N 64	O 60	0	0
5	Xd	37	Total 315	C 203	N 55	O 57	0	0
5	Xe	37	Total 315	C 203	N 55	O 57	0	0
5	Xf	37	Total 315	C 203	N 55	O 57	0	0
5	Xg	40	Total 345	C 221	N 64	O 60	0	0
5	Xh	37	Total 315	C 203	N 55	O 57	0	0
5	Xi	40	Total 345	C 221	N 64	O 60	0	0
5	Xj	37	Total 315	C 203	N 55	O 57	0	0
5	Xk	37	Total 315	C 203	N 55	O 57	0	0
5	Xl	40	Total 345	C 221	N 64	O 60	0	0
5	Xm	37	Total 315	C 203	N 55	O 57	0	0
5	Xn	37	Total 315	C 203	N 55	O 57	0	0
5	Xo	40	Total 345	C 221	N 64	O 60	0	0
5	Xp	37	Total 315	C 203	N 55	O 57	0	0
5	Xq	37	Total 315	C 203	N 55	O 57	0	0
5	Xr	40	Total 345	C 221	N 64	O 60	0	0
5	Xs	37	Total 315	C 203	N 55	O 57	0	0
5	Xt	37	Total 315	C 203	N 55	O 57	0	0
5	Xu	37	Total 315	C 203	N 55	O 57	0	0
5	Xv	40	Total 345	C 221	N 64	O 60	0	0
5	Xw	37	Total 315	C 203	N 55	O 57	0	0

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Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
5	YJ	111	904	572	163	168	1	0	0
5	YK	111	904	572	163	168	1	0	0
5	YL	89	717	458	129	129	1	0	0
5	YM	89	717	458	129	129	1	0	0
5	YN	111	904	572	163	168	1	0	0
5	YO	89	717	458	129	129	1	0	0
5	YP	111	904	572	163	168	1	0	0
5	YQ	111	904	572	163	168	1	0	0
5	YR	111	904	572	163	168	1	0	0
5	YS	89	717	458	129	129	1	0	0
5	YT	111	904	572	163	168	1	0	0
5	YU	111	904	572	163	168	1	0	0
5	YV	111	904	572	163	168	1	0	0
5	YW	97	790	501	143	145	1	0	0
5	YX	111	904	572	163	168	1	0	0
5	YY	97	790	501	143	145	1	0	0
5	YZ	111	904	572	163	168	1	0	0
5	Ya	111	904	572	163	168	1	0	0
5	Yb	97	790	501	143	145	1	0	0
5	Yc	111	904	572	163	168	1	0	0
5	Yd	97	790	501	143	145	1	0	0

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Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
5	Ye	111	904	572	163	168	1	0	0
5	Yf	97	790	501	143	145	1	0	0
5	Yg	111	904	572	163	168	1	0	0
5	Yh	111	904	572	163	168	1	0	0
5	Yi	97	790	501	143	145	1	0	0
5	Yj	111	904	572	163	168	1	0	0
5	Yk	111	904	572	163	168	1	0	0
5	Yl	97	790	501	143	145	1	0	0
5	Ym	111	904	572	163	168	1	0	0
5	Yn	97	790	501	143	145	1	0	0
5	Yo	111	904	572	163	168	1	0	0
5	Yp	97	790	501	143	145	1	0	0
5	Yq	111	904	572	163	168	1	0	0
5	Yr	97	790	501	143	145	1	0	0
5	Ys	111	904	572	163	168	1	0	0
5	Yt	97	790	501	143	145	1	0	0
5	Yu	111	904	572	163	168	1	0	0
5	Yv	97	790	501	143	145	1	0	0
5	Yw	111	904	572	163	168	1	0	0
5	Yx	97	790	501	143	145	1	0	0
5	Yy	111	904	572	163	168	1	0	0

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Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
5	Yz	97	790	501	143	145	1	0	0
5	ZA	111	904	572	163	168	1	0	0
5	ZB	97	790	501	143	145	1	0	0
5	ZC	111	904	572	163	168	1	0	0
5	ZD	97	790	501	143	145	1	0	0
5	ZE	111	904	572	163	168	1	0	0
5	ZF	97	790	501	143	145	1	0	0
5	ZG	111	904	572	163	168	1	0	0
5	ZH	97	790	501	143	145	1	0	0
5	ZI	111	904	572	163	168	1	0	0
5	ZJ	97	790	501	143	145	1	0	0
5	ZK	111	904	572	163	168	1	0	0
5	ZL	97	790	501	143	145	1	0	0
5	ZM	111	904	572	163	168	1	0	0
5	ZN	97	790	501	143	145	1	0	0
5	ZO	111	904	572	163	168	1	0	0
5	ZP	93	754	477	135	141	1	0	0
5	ZQ	111	904	572	163	168	1	0	0
5	ZR	97	790	501	143	145	1	0	0
5	ZS	111	904	572	163	168	1	0	0
5	ZT	97	790	501	143	145	1	0	0

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Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
5	ZU	111	904	572	163	168	1	0	0
5	ZV	97	790	501	143	145	1	0	0
5	ZW	111	904	572	163	168	1	0	0
5	ZX	97	790	501	143	145	1	0	0
5	ZY	111	904	572	163	168	1	0	0
5	ZZ	97	790	501	143	145	1	0	0
5	Za	111	904	572	163	168	1	0	0
5	Zb	97	790	501	143	145	1	0	0
5	Zc	111	904	572	163	168	1	0	0
5	Zd	97	790	501	143	145	1	0	0
5	Ze	111	904	572	163	168	1	0	0
5	Zf	97	790	501	143	145	1	0	0
5	Zg	111	904	572	163	168	1	0	0
5	Zh	97	790	501	143	145	1	0	0
5	Zi	111	904	572	163	168	1	0	0
5	Zj	97	790	501	143	145	1	0	0
5	Zk	111	904	572	163	168	1	0	0
5	Zl	97	790	501	143	145	1	0	0
5	Zm	111	904	572	163	168	1	0	0
5	Zn	97	790	501	143	145	1	0	0
5	Zo	111	904	572	163	168	1	0	0

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Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
5	Zp	97	Total 790	C 501	N 143	O 145	S 1	0	0
5	Zq	111	Total 904	C 572	N 163	O 168	S 1	0	0
5	Zr	97	Total 790	C 501	N 143	O 145	S 1	0	0
5	Zs	111	Total 904	C 572	N 163	O 168	S 1	0	0
5	Zt	97	Total 790	C 501	N 143	O 145	S 1	0	0
5	Zu	111	Total 904	C 572	N 163	O 168	S 1	0	0
5	Zv	97	Total 790	C 501	N 143	O 145	S 1	0	0
5	Zw	111	Total 904	C 572	N 163	O 168	S 1	0	0
5	Zx	97	Total 790	C 501	N 143	O 145	S 1	0	0
5	Zy	111	Total 904	C 572	N 163	O 168	S 1	0	0
5	Zz	97	Total 790	C 501	N 143	O 145	S 1	0	0
5	aA	111	Total 904	C 572	N 163	O 168	S 1	0	0
5	aB	97	Total 790	C 501	N 143	O 145	S 1	0	0
5	aC	111	Total 904	C 572	N 163	O 168	S 1	0	0
5	aD	97	Total 790	C 501	N 143	O 145	S 1	0	0
5	aE	111	Total 904	C 572	N 163	O 168	S 1	0	0
5	aF	97	Total 790	C 501	N 143	O 145	S 1	0	0
5	aG	111	Total 904	C 572	N 163	O 168	S 1	0	0
5	aH	97	Total 790	C 501	N 143	O 145	S 1	0	0
5	aI	111	Total 904	C 572	N 163	O 168	S 1	0	0
5	aJ	97	Total 790	C 501	N 143	O 145	S 1	0	0

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Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
5	aK	111	904	572	163	168	1	0	0
5	aL	97	790	501	143	145	1	0	0
5	aM	111	904	572	163	168	1	0	0
5	aN	97	790	501	143	145	1	0	0
5	aO	111	904	572	163	168	1	0	0
5	aP	97	790	501	143	145	1	0	0
5	aQ	111	904	572	163	168	1	0	0
5	aR	97	790	501	143	145	1	0	0
5	aS	111	904	572	163	168	1	0	0
5	aT	97	790	501	143	145	1	0	0
5	aU	111	904	572	163	168	1	0	0
5	aV	97	790	501	143	145	1	0	0
5	aW	111	904	572	163	168	1	0	0
5	aX	97	790	501	143	145	1	0	0
5	aY	111	904	572	163	168	1	0	0
5	aZ	97	790	501	143	145	1	0	0
5	aa	111	904	572	163	168	1	0	0
5	ab	97	790	501	143	145	1	0	0
5	ac	111	904	572	163	168	1	0	0
5	ad	97	790	501	143	145	1	0	0
5	ae	111	904	572	163	168	1	0	0

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Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
5	af	97	Total 790	C 501	N 143	O 145	S 1	0	0
5	ag	111	Total 904	C 572	N 163	O 168	S 1	0	0
5	ah	97	Total 790	C 501	N 143	O 145	S 1	0	0
5	ai	111	Total 904	C 572	N 163	O 168	S 1	0	0
5	aj	97	Total 790	C 501	N 143	O 145	S 1	0	0
5	ak	111	Total 904	C 572	N 163	O 168	S 1	0	0
5	al	97	Total 790	C 501	N 143	O 145	S 1	0	0
5	am	111	Total 904	C 572	N 163	O 168	S 1	0	0
5	an	97	Total 790	C 501	N 143	O 145	S 1	0	0
5	ao	111	Total 904	C 572	N 163	O 168	S 1	0	0
5	ap	97	Total 790	C 501	N 143	O 145	S 1	0	0
5	aq	111	Total 904	C 572	N 163	O 168	S 1	0	0
5	ar	97	Total 790	C 501	N 143	O 145	S 1	0	0
5	as	111	Total 904	C 572	N 163	O 168	S 1	0	0
5	at	97	Total 790	C 501	N 143	O 145	S 1	0	0
5	au	111	Total 904	C 572	N 163	O 168	S 1	0	0
5	av	97	Total 790	C 501	N 143	O 145	S 1	0	0
5	aw	111	Total 904	C 572	N 163	O 168	S 1	0	0
5	ax	97	Total 790	C 501	N 143	O 145	S 1	0	0
5	ay	111	Total 904	C 572	N 163	O 168	S 1	0	0
5	az	97	Total 790	C 501	N 143	O 145	S 1	0	0

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Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
5	bA	111	904	572	163	168	1	0	0
5	bB	97	790	501	143	145	1	0	0
5	bC	111	904	572	163	168	1	0	0
5	bD	97	790	501	143	145	1	0	0
5	bE	111	904	572	163	168	1	0	0
5	bF	97	790	501	143	145	1	0	0
5	bG	111	904	572	163	168	1	0	0
5	bH	97	790	501	143	145	1	0	0
5	bI	111	904	572	163	168	1	0	0
5	bJ	97	790	501	143	145	1	0	0
5	bK	111	904	572	163	168	1	0	0
5	bL	97	790	501	143	145	1	0	0
5	bM	111	904	572	163	168	1	0	0
5	bN	97	790	501	143	145	1	0	0
5	bO	111	904	572	163	168	1	0	0
5	bP	97	790	501	143	145	1	0	0
5	bQ	111	904	572	163	168	1	0	0
5	bR	97	790	501	143	145	1	0	0
5	bS	111	904	572	163	168	1	0	0
5	bT	97	790	501	143	145	1	0	0
5	bU	111	904	572	163	168	1	0	0

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Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
5	bV	97	Total 790	C 501	N 143	O 145	S 1	0	0
5	bW	111	Total 904	C 572	N 163	O 168	S 1	0	0
5	bX	97	Total 790	C 501	N 143	O 145	S 1	0	0
5	bY	111	Total 904	C 572	N 163	O 168	S 1	0	0
5	bZ	97	Total 790	C 501	N 143	O 145	S 1	0	0
5	ba	111	Total 904	C 572	N 163	O 168	S 1	0	0
5	bb	97	Total 790	C 501	N 143	O 145	S 1	0	0
5	bc	111	Total 904	C 572	N 163	O 168	S 1	0	0
5	bd	97	Total 790	C 501	N 143	O 145	S 1	0	0
5	be	111	Total 904	C 572	N 163	O 168	S 1	0	0
5	bf	97	Total 790	C 501	N 143	O 145	S 1	0	0
5	bg	111	Total 904	C 572	N 163	O 168	S 1	0	0
5	bh	97	Total 790	C 501	N 143	O 145	S 1	0	0
5	bi	111	Total 904	C 572	N 163	O 168	S 1	0	0
5	bj	97	Total 790	C 501	N 143	O 145	S 1	0	0
5	bk	111	Total 904	C 572	N 163	O 168	S 1	0	0
5	bl	97	Total 790	C 501	N 143	O 145	S 1	0	0
5	bm	111	Total 904	C 572	N 163	O 168	S 1	0	0
5	bn	97	Total 790	C 501	N 143	O 145	S 1	0	0
5	bo	111	Total 904	C 572	N 163	O 168	S 1	0	0
5	bp	97	Total 790	C 501	N 143	O 145	S 1	0	0

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Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
5	bq	111	904	572	163	168	1	0	0
5	br	97	790	501	143	145	1	0	0
5	bs	111	904	572	163	168	1	0	0
5	bt	97	790	501	143	145	1	0	0
5	bu	111	904	572	163	168	1	0	0
5	bv	97	790	501	143	145	1	0	0
5	bw	111	904	572	163	168	1	0	0
5	bx	97	790	501	143	145	1	0	0
5	by	111	904	572	163	168	1	0	0
5	bz	97	790	501	143	145	1	0	0
5	cA	111	904	572	163	168	1	0	0
5	cB	97	790	501	143	145	1	0	0
5	cC	111	904	572	163	168	1	0	0
5	cD	97	790	501	143	145	1	0	0
5	cE	111	904	572	163	168	1	0	0
5	cF	97	790	501	143	145	1	0	0
5	cG	111	904	572	163	168	1	0	0
5	cH	97	790	501	143	145	1	0	0
5	cI	111	904	572	163	168	1	0	0
5	cJ	97	790	501	143	145	1	0	0
5	cK	111	904	572	163	168	1	0	0

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Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
5	cL	97	790	501	143	145	1	0	0
5	cM	111	904	572	163	168	1	0	0
5	cN	97	790	501	143	145	1	0	0
5	cO	111	904	572	163	168	1	0	0
5	cP	97	790	501	143	145	1	0	0
5	cQ	111	904	572	163	168	1	0	0
5	cR	97	790	501	143	145	1	0	0
5	cS	111	904	572	163	168	1	0	0
5	cT	97	790	501	143	145	1	0	0
5	cU	111	904	572	163	168	1	0	0
5	cV	97	790	501	143	145	1	0	0
5	cW	111	904	572	163	168	1	0	0
5	cX	97	790	501	143	145	1	0	0
5	cY	111	904	572	163	168	1	0	0
5	cZ	97	790	501	143	145	1	0	0
5	ca	111	904	572	163	168	1	0	0
5	cb	97	790	501	143	145	1	0	0
5	cc	111	904	572	163	168	1	0	0
5	cd	97	790	501	143	145	1	0	0
5	ce	111	904	572	163	168	1	0	0
5	cf	97	790	501	143	145	1	0	0

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Mol	Chain	Residues	Atoms					AltConf	Trace
5	cg	111	Total	C	N	O	S	0	0
			904	572	163	168	1		
5	ch	97	Total	C	N	O	S	0	0
			790	501	143	145	1		
5	ci	111	Total	C	N	O	S	0	0
			904	572	163	168	1		
5	cj	97	Total	C	N	O	S	0	0
			790	501	143	145	1		
5	ck	111	Total	C	N	O	S	0	0
			904	572	163	168	1		
5	cl	97	Total	C	N	O	S	0	0
			790	501	143	145	1		
5	cm	111	Total	C	N	O	S	0	0
			904	572	163	168	1		
5	cn	97	Total	C	N	O	S	0	0
			790	501	143	145	1		
5	co	111	Total	C	N	O	S	0	0
			904	572	163	168	1		
5	cp	97	Total	C	N	O	S	0	0
			790	501	143	145	1		
5	cq	111	Total	C	N	O	S	0	0
			904	572	163	168	1		
5	cr	97	Total	C	N	O	S	0	0
			790	501	143	145	1		
5	cs	111	Total	C	N	O	S	0	0
			904	572	163	168	1		
5	ct	97	Total	C	N	O	S	0	0
			790	501	143	145	1		
5	cu	111	Total	C	N	O	S	0	0
			904	572	163	168	1		
5	cv	97	Total	C	N	O	S	0	0
			790	501	143	145	1		
5	cw	111	Total	C	N	O	S	0	0
			904	572	163	168	1		
5	cx	97	Total	C	N	O	S	0	0
			790	501	143	145	1		
5	cy	111	Total	C	N	O	S	0	0
			904	572	163	168	1		
5	cz	97	Total	C	N	O	S	0	0
			790	501	143	145	1		
5	dA	111	Total	C	N	O	S	0	0
			904	572	163	168	1		

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Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
5	dB	97	Total 790	C 501	N 143	O 145	S 1	0	0
5	dC	111	Total 904	C 572	N 163	O 168	S 1	0	0
5	dD	97	Total 790	C 501	N 143	O 145	S 1	0	0
5	dE	111	Total 904	C 572	N 163	O 168	S 1	0	0
5	dF	97	Total 790	C 501	N 143	O 145	S 1	0	0
5	dG	111	Total 904	C 572	N 163	O 168	S 1	0	0
5	dH	97	Total 790	C 501	N 143	O 145	S 1	0	0
5	dI	111	Total 904	C 572	N 163	O 168	S 1	0	0
5	dJ	97	Total 790	C 501	N 143	O 145	S 1	0	0
5	dK	111	Total 904	C 572	N 163	O 168	S 1	0	0
5	dL	97	Total 790	C 501	N 143	O 145	S 1	0	0
5	dM	111	Total 904	C 572	N 163	O 168	S 1	0	0
5	dN	97	Total 790	C 501	N 143	O 145	S 1	0	0
5	dO	111	Total 904	C 572	N 163	O 168	S 1	0	0
5	dP	97	Total 790	C 501	N 143	O 145	S 1	0	0
5	dQ	111	Total 904	C 572	N 163	O 168	S 1	0	0
5	dR	97	Total 790	C 501	N 143	O 145	S 1	0	0
5	dS	111	Total 904	C 572	N 163	O 168	S 1	0	0
5	dT	97	Total 790	C 501	N 143	O 145	S 1	0	0
5	dU	111	Total 904	C 572	N 163	O 168	S 1	0	0
5	dV	97	Total 790	C 501	N 143	O 145	S 1	0	0

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Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
5	dW	111	904	572	163	168	1	0	0
5	dX	97	790	501	143	145	1	0	0
5	dY	111	904	572	163	168	1	0	0
5	dZ	97	790	501	143	145	1	0	0
5	da	111	904	572	163	168	1	0	0
5	db	97	790	501	143	145	1	0	0
5	dc	111	904	572	163	168	1	0	0
5	dd	97	790	501	143	145	1	0	0
5	de	111	904	572	163	168	1	0	0
5	df	97	790	501	143	145	1	0	0
5	dg	111	904	572	163	168	1	0	0
5	dh	97	790	501	143	145	1	0	0
5	di	111	904	572	163	168	1	0	0
5	dj	97	790	501	143	145	1	0	0
5	dk	111	904	572	163	168	1	0	0
5	dl	97	790	501	143	145	1	0	0
5	dm	111	904	572	163	168	1	0	0
5	dn	97	790	501	143	145	1	0	0
5	do	111	904	572	163	168	1	0	0
5	dp	97	790	501	143	145	1	0	0
5	dq	111	904	572	163	168	1	0	0

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Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
5	dr	97	Total 790	C 501	N 143	O 145	S 1	0	0
5	ds	111	Total 904	C 572	N 163	O 168	S 1	0	0
5	dt	97	Total 790	C 501	N 143	O 145	S 1	0	0
5	du	111	Total 904	C 572	N 163	O 168	S 1	0	0
5	dv	97	Total 790	C 501	N 143	O 145	S 1	0	0
5	dw	111	Total 904	C 572	N 163	O 168	S 1	0	0
5	dx	97	Total 790	C 501	N 143	O 145	S 1	0	0
5	dy	111	Total 904	C 572	N 163	O 168	S 1	0	0
5	dz	97	Total 790	C 501	N 143	O 145	S 1	0	0
5	eA	111	Total 904	C 572	N 163	O 168	S 1	0	0
5	eB	97	Total 790	C 501	N 143	O 145	S 1	0	0
5	eC	111	Total 904	C 572	N 163	O 168	S 1	0	0
5	eD	97	Total 790	C 501	N 143	O 145	S 1	0	0
5	eE	111	Total 904	C 572	N 163	O 168	S 1	0	0
5	eF	97	Total 790	C 501	N 143	O 145	S 1	0	0
5	eG	111	Total 904	C 572	N 163	O 168	S 1	0	0
5	eH	97	Total 790	C 501	N 143	O 145	S 1	0	0
5	eI	111	Total 904	C 572	N 163	O 168	S 1	0	0
5	eJ	97	Total 790	C 501	N 143	O 145	S 1	0	0
5	eK	111	Total 904	C 572	N 163	O 168	S 1	0	0
5	eL	97	Total 790	C 501	N 143	O 145	S 1	0	0

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Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
5	eM	111	904	572	163	168	1	0	0
5	eN	97	790	501	143	145	1	0	0
5	eO	111	904	572	163	168	1	0	0
5	eP	97	790	501	143	145	1	0	0
5	eQ	111	904	572	163	168	1	0	0
5	eR	97	790	501	143	145	1	0	0
5	eS	111	904	572	163	168	1	0	0
5	eT	97	790	501	143	145	1	0	0
5	eU	111	904	572	163	168	1	0	0
5	eV	97	790	501	143	145	1	0	0
5	eW	111	904	572	163	168	1	0	0
5	eX	97	790	501	143	145	1	0	0
5	eY	111	904	572	163	168	1	0	0
5	eZ	97	790	501	143	145	1	0	0
5	ea	111	904	572	163	168	1	0	0
5	eb	97	790	501	143	145	1	0	0
5	ec	111	904	572	163	168	1	0	0
5	ed	97	790	501	143	145	1	0	0
5	ee	111	904	572	163	168	1	0	0
5	ef	97	790	501	143	145	1	0	0
5	eg	111	904	572	163	168	1	0	0

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Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
5	eh	97	Total 790	C 501	N 143	O 145	S 1	0	0
5	ei	111	Total 904	C 572	N 163	O 168	S 1	0	0
5	ej	97	Total 790	C 501	N 143	O 145	S 1	0	0
5	ek	111	Total 904	C 572	N 163	O 168	S 1	0	0
5	el	97	Total 790	C 501	N 143	O 145	S 1	0	0
5	em	111	Total 904	C 572	N 163	O 168	S 1	0	0
5	en	97	Total 790	C 501	N 143	O 145	S 1	0	0
5	eo	111	Total 904	C 572	N 163	O 168	S 1	0	0
5	ep	97	Total 790	C 501	N 143	O 145	S 1	0	0
5	eq	111	Total 904	C 572	N 163	O 168	S 1	0	0
5	er	97	Total 790	C 501	N 143	O 145	S 1	0	0
5	es	111	Total 904	C 572	N 163	O 168	S 1	0	0
5	et	97	Total 790	C 501	N 143	O 145	S 1	0	0
5	eu	111	Total 904	C 572	N 163	O 168	S 1	0	0
5	ev	97	Total 790	C 501	N 143	O 145	S 1	0	0
5	ew	111	Total 904	C 572	N 163	O 168	S 1	0	0
5	ex	97	Total 790	C 501	N 143	O 145	S 1	0	0
5	ey	111	Total 904	C 572	N 163	O 168	S 1	0	0
5	ez	97	Total 790	C 501	N 143	O 145	S 1	0	0
5	fA	111	Total 904	C 572	N 163	O 168	S 1	0	0
5	fB	97	Total 790	C 501	N 143	O 145	S 1	0	0

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Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
5	fC	111	904	572	163	168	1	0	0
5	fD	97	790	501	143	145	1	0	0
5	fE	111	904	572	163	168	1	0	0
5	fF	97	790	501	143	145	1	0	0
5	fG	111	904	572	163	168	1	0	0
5	fH	97	790	501	143	145	1	0	0
5	fI	111	904	572	163	168	1	0	0
5	fJ	97	790	501	143	145	1	0	0
5	fK	111	904	572	163	168	1	0	0
5	fL	97	790	501	143	145	1	0	0
5	fM	111	904	572	163	168	1	0	0
5	fN	97	790	501	143	145	1	0	0
5	fO	111	904	572	163	168	1	0	0
5	fP	97	790	501	143	145	1	0	0
5	fQ	111	904	572	163	168	1	0	0
5	fR	97	790	501	143	145	1	0	0
5	fS	111	904	572	163	168	1	0	0
5	fT	97	790	501	143	145	1	0	0
5	fU	111	904	572	163	168	1	0	0
5	fV	97	790	501	143	145	1	0	0
5	fW	111	904	572	163	168	1	0	0

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Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
5	fX	97	Total 790	C 501	N 143	O 145	S 1	0	0
5	fY	111	Total 904	C 572	N 163	O 168	S 1	0	0
5	fZ	97	Total 790	C 501	N 143	O 145	S 1	0	0
5	fa	111	Total 904	C 572	N 163	O 168	S 1	0	0
5	fb	97	Total 790	C 501	N 143	O 145	S 1	0	0
5	fc	111	Total 904	C 572	N 163	O 168	S 1	0	0
5	fd	97	Total 790	C 501	N 143	O 145	S 1	0	0
5	fe	111	Total 904	C 572	N 163	O 168	S 1	0	0
5	ff	97	Total 790	C 501	N 143	O 145	S 1	0	0
5	fg	111	Total 904	C 572	N 163	O 168	S 1	0	0
5	fh	97	Total 790	C 501	N 143	O 145	S 1	0	0
5	fi	111	Total 904	C 572	N 163	O 168	S 1	0	0
5	fj	97	Total 790	C 501	N 143	O 145	S 1	0	0
5	fk	111	Total 904	C 572	N 163	O 168	S 1	0	0
5	fl	97	Total 790	C 501	N 143	O 145	S 1	0	0
5	fm	111	Total 904	C 572	N 163	O 168	S 1	0	0
5	fn	97	Total 790	C 501	N 143	O 145	S 1	0	0
5	fo	111	Total 904	C 572	N 163	O 168	S 1	0	0
5	fp	97	Total 790	C 501	N 143	O 145	S 1	0	0
5	fq	111	Total 904	C 572	N 163	O 168	S 1	0	0
5	fr	97	Total 790	C 501	N 143	O 145	S 1	0	0

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Mol	Chain	Residues	Atoms					AltConf	Trace
5	fs	111	Total	C	N	O	S	0	0
			904	572	163	168	1		
5	ft	97	Total	C	N	O	S	0	0
			790	501	143	145	1		
5	fu	111	Total	C	N	O	S	0	0
			904	572	163	168	1		
5	fv	97	Total	C	N	O	S	0	0
			790	501	143	145	1		
5	fw	111	Total	C	N	O	S	0	0
			904	572	163	168	1		
5	fx	97	Total	C	N	O	S	0	0
			790	501	143	145	1		
5	fy	111	Total	C	N	O	S	0	0
			904	572	163	168	1		
5	fz	97	Total	C	N	O	S	0	0
			790	501	143	145	1		
5	gA	111	Total	C	N	O	S	0	0
			904	572	163	168	1		
5	gB	97	Total	C	N	O	S	0	0
			790	501	143	145	1		
5	gC	111	Total	C	N	O	S	0	0
			904	572	163	168	1		
5	gD	97	Total	C	N	O	S	0	0
			790	501	143	145	1		

- Molecule 6 is a protein called Putative phage portal protein.

Mol	Chain	Residues	Atoms					AltConf	Trace
6	Xx	333	Total	C	N	O	S	0	0
			2747	1777	440	522	8		
6	Xy	362	Total	C	N	O	S	0	0
			2959	1901	478	572	8		
6	Xz	345	Total	C	N	O	S	0	0
			2829	1826	453	542	8		
6	YA	335	Total	C	N	O	S	0	0
			2765	1788	443	526	8		
6	YB	352	Total	C	N	O	S	0	0
			2888	1860	466	554	8		
6	YC	334	Total	C	N	O	S	0	0
			2756	1782	442	524	8		
6	YD	338	Total	C	N	O	S	0	0
			2789	1800	450	531	8		

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Mol	Chain	Residues	Atoms					AltConf	Trace
6	YE	343	Total	C	N	O	S	0	0
			2830	1825	457	540	8		
6	YF	334	Total	C	N	O	S	0	0
			2754	1780	441	525	8		
6	YG	352	Total	C	N	O	S	0	0
			2888	1860	466	554	8		
6	YH	353	Total	C	N	O	S	0	0
			2894	1863	467	556	8		
6	YI	367	Total	C	N	O	S	0	0
			3000	1924	488	580	8		

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, C1	Depositor
Number of particles used	6561	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 ( $e^-/\text{\AA}^2$ )	44	Depositor
Minimum defocus (nm)	500	Depositor
Maximum defocus (nm)	1800	Depositor
Magnification	165000	Depositor
Image detector	GATAN K3 (6k x 4k)	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](#)

validation-pack failed to run properly - this section is therefore empty.

### 4.5 Carbohydrates [i](#)

validation-pack failed to run properly - this section is therefore empty.

### 4.6 Ligand geometry [i](#)

validation-pack failed to run properly - this section is therefore empty.

### 4.7 Other polymers [i](#)

validation-pack failed to run properly - this section is therefore empty.

## 4.8 Polymer linkage issues

There are no chain breaks in this entry.

## 5 Map visualisation

This section contains visualisations of the EMDB entry EMD-18519. 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

This section was not generated.

### 5.2 Central slices

This section was not generated.

### 5.3 Largest variance slices

This section was not generated.

### 5.4 Orthogonal standard-deviation projections (False-color)

This section was not generated.

### 5.5 Orthogonal surface views

This section was not generated.

### 5.6 Mask visualisation

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

## 6 Map analysis

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

### 6.1 Map-value distribution

This section was not generated.

### 6.2 Volume estimate versus contour level

This section was not generated.

### 6.3 Rotationally averaged power spectrum

This section was not generated. The rotationally averaged power spectrum had issues being displayed.

## 7 Fourier-Shell correlation

This section was not generated. No FSC curve or half-maps provided.

## 8 Map-model fit

This section was not generated.