



wwPDB X-ray Structure Validation Summary Report i

Feb 27, 2014 – 08:11 PM GMT

PDB ID : 1SFC
Title : NEURONAL SYNAPTIC FUSION COMPLEX
Authors : Sutton, R.B.; Brunger, A.T.
Deposited on : 1998-08-24
Resolution : 2.40 Å(reported)

This is a wwPDB validation summary report for a publicly released PDB entry.

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

A user guide is available at <http://wwpdb.org/ValidationPDFNotes.html>

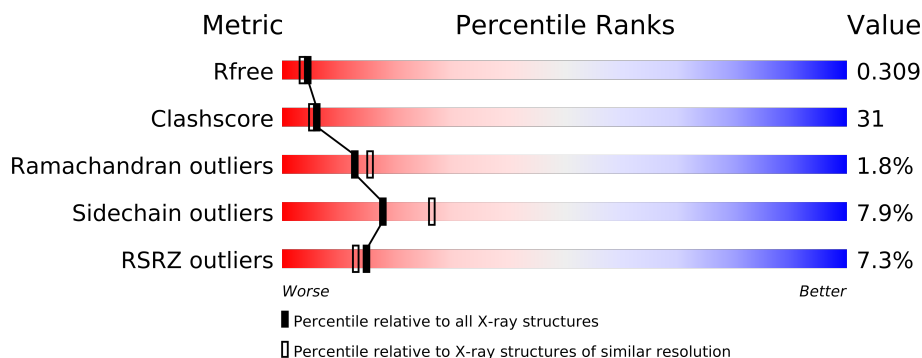
The following versions of software and data (see [references](#)) were used in the production of this report:

MolProbity : 4.02b-467
Mogul : 1.15 2013
Xtriage (Phenix) : dev-1323
EDS : stable22639
Percentile statistics : 21963
Refmac : 5.8.0049
CCP4 : 6.3.0 (Settle)
Ideal geometry (proteins) : Engh & Huber (2001)
Ideal geometry (DNA, RNA) : Parkinson et. al. (1996)
Validation Pipeline (wwPDB-VP) : stable22683

1 Overall quality at a glance

The reported resolution of this entry is 2.40 Å.

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



Metric	Whole archive (#Entries)	Similar resolution (#Entries, resolution range(Å))
R_{free}	66092	2207 (2.40-2.40)
Clashscore	79885	2789 (2.40-2.40)
Ramachandran outliers	78287	2736 (2.40-2.40)
Sidechain outliers	78261	2737 (2.40-2.40)
RSRZ outliers	66119	2210 (2.40-2.40)

The table below summarises the geometric issues observed across the polymeric chains and their fit to the electron density. The red, orange, yellow and green segments on the lower bar indicate the fraction of residues that contain outliers for ≥ 3 , 2, 1 and 0 types of geometric quality criteria. The upper red bar (where present) indicates the fraction of residues that have poor fit to the electron density.

Mol	Chain	Length	Quality of chain
1	A	96	
1	E	96	
1	I	96	
2	B	83	
2	F	83	
2	J	83	
3	C	83	
3	G	83	
3	K	83	
4	D	87	
4	H	87	
4	L	87	

The following table lists non-polymeric compounds that are outliers for geometric or electron-

density-fit criteria:

Mol	Type	Chain	Res	Geometry	Electron density
6	MPD	A	927	-	X
6	MPD	F	926	-	X
6	MPD	I	930	-	X
6	MPD	K	929	-	X

2 Entry composition

There are 7 unique types of molecules in this entry. The entry contains 7105 atoms, of which 0 are hydrogen and 0 are deuterium.

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

- Molecule 1 is a protein called PROTEIN (SYNAPTOBREVIN 2).

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
1	A	69	Total	C	N	O	S	0	0	0
			564	347	106	110	1			
1	E	69	Total	C	N	O	S	0	0	0
			567	349	106	109	3			
1	I	69	Total	C	N	O	S	0	0	0
			565	349	106	109	1			

- Molecule 2 is a protein called PROTEIN (SYNTAXIN 1A).

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
2	B	72	Total	C	N	O	S	0	0	0
			586	362	100	119	5			
2	F	73	Total	C	N	O	S	0	0	0
			594	368	102	119	5			
2	J	74	Total	C	N	O	S	20	0	0
			600	371	102	122	5			

- Molecule 3 is a protein called PROTEIN (SNAP-25B).

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
3	C	77	Total	C	N	O	S	0	0	0
			625	371	115	133	6			
3	G	72	Total	C	N	O	S	9	0	0
			581	345	106	125	5			
3	K	73	Total	C	N	O	S	9	0	0
			589	351	107	126	5			

There are 18 discrepancies between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
C	58	ASP	GLU	SEE REMARK 999	UNP P60881
C	60	VAL	ILE	SEE REMARK 999	UNP P60881

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Chain	Residue	Modelled	Actual	Comment	Reference
C	65	ASN	ASP	SEE REMARK 999	UNP P60881
C	66	HIS	GLN	SEE REMARK 999	UNP P60881
C	69	GLN	LYS	SEE REMARK 999	UNP P60881
C	79	LYS	THR	SEE REMARK 999	UNP P60881
G	58	ASP	GLU	SEE REMARK 999	UNP P60881
G	60	VAL	ILE	SEE REMARK 999	UNP P60881
G	65	ASN	ASP	SEE REMARK 999	UNP P60881
G	66	HIS	GLN	SEE REMARK 999	UNP P60881
G	69	GLN	LYS	SEE REMARK 999	UNP P60881
G	79	LYS	THR	SEE REMARK 999	UNP P60881
K	58	ASP	GLU	SEE REMARK 999	UNP P60881
K	60	VAL	ILE	SEE REMARK 999	UNP P60881
K	65	ASN	ASP	SEE REMARK 999	UNP P60881
K	66	HIS	GLN	SEE REMARK 999	UNP P60881
K	69	GLN	LYS	SEE REMARK 999	UNP P60881
K	79	LYS	THR	SEE REMARK 999	UNP P60881

- Molecule 4 is a protein called PROTEIN (SNAP-25B).

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
4	D	74	Total	C	N	O	S	11	0	0
			586	346	115	120	5			
4	H	72	Total	C	N	O	S	0	0	0
			578	342	113	118	5			
4	L	73	Total	C	N	O	S	7	0	0
			582	344	114	119	5			

- Molecule 5 is STRONTIUM ION (three-letter code: SR) (formula: Sr).

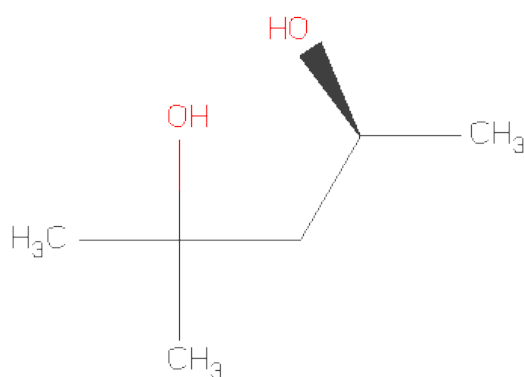
Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
5	G	3	Total	Sr	0	0
			3	3		
5	J	1	Total	Sr	0	0
			1	1		
5	D	1	Total	Sr	0	0
			1	1		
5	K	1	Total	Sr	0	0
			1	1		
5	B	1	Total	Sr	0	0
			1	1		
5	C	2	Total	Sr	0	0
			2	2		

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
5	A	2	Total	Sr	0	0
			2	2		
5	F	2	Total	Sr	0	0
			2	2		

- Molecule 6 is (4S)-2-METHYL-2,4-PENTANEDIOL (three-letter code: MPD) (formula: C₆H₁₄O₂).



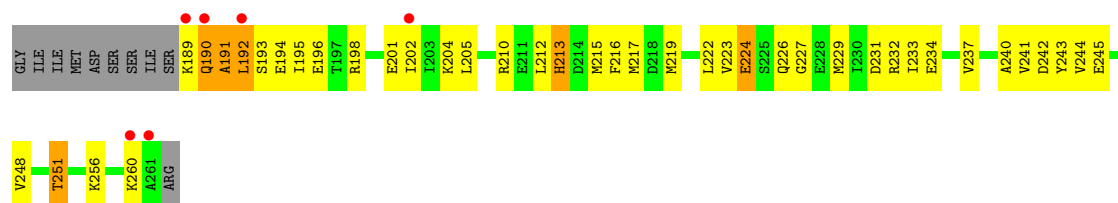
Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
6	F	1	Total	C	O	0	0
			8	6	2		
6	A	1	Total	C	O	0	0
			8	6	2		
6	A	1	Total	C	O	0	0
			8	6	2		
6	K	1	Total	C	O	0	0
			8	6	2		
6	I	1	Total	C	O	0	0
			8	6	2		
6	K	1	Total	C	O	0	0
			8	6	2		
6	G	1	Total	C	O	0	0
			8	6	2		

- Molecule 7 is water.

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
7	A	2	Total 2	O 2	0	0
7	B	2	Total 2	O 2	0	0
7	C	1	Total 1	O 1	0	0
7	D	1	Total 1	O 1	0	0
7	F	5	Total 5	O 5	0	0
7	G	1	Total 1	O 1	0	0
7	I	3	Total 3	O 3	0	0
7	J	3	Total 3	O 3	0	0
7	K	1	Total 1	O 1	0	0

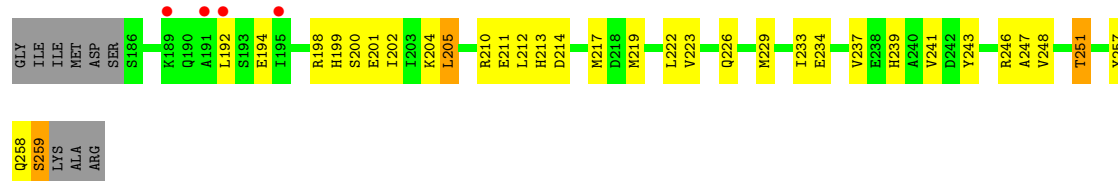
- Molecule 2: PROTEIN (SYNTAXIN 1A)

Chain F:



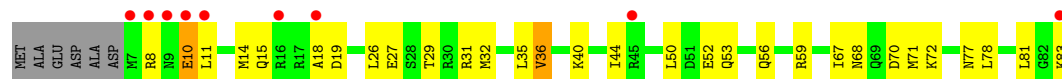
- Molecule 2: PROTEIN (SYNTAXIN 1A)

Chain J:



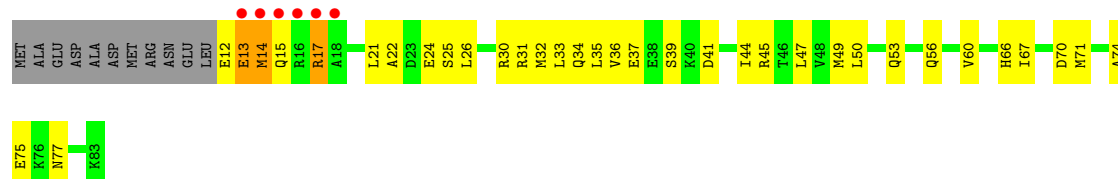
- Molecule 3: PROTEIN (SNAP-25B)

Chain C:



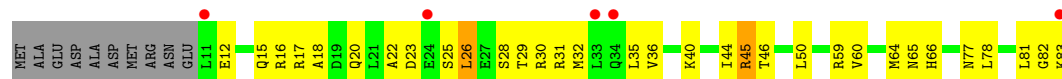
- Molecule 3: PROTEIN (SNAP-25B)

Chain G:



- Molecule 3: PROTEIN (SNAP-25B)

Chain K:



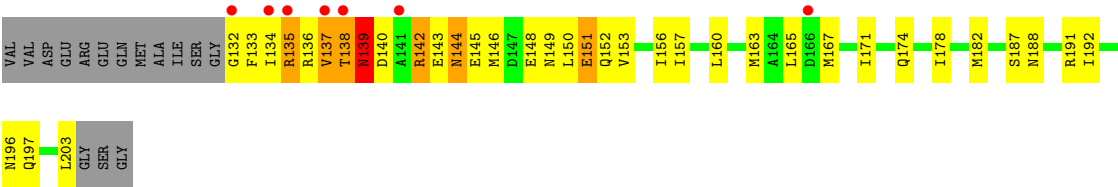
- Molecule 4: PROTEIN (SNAP-25B)

Chain D:



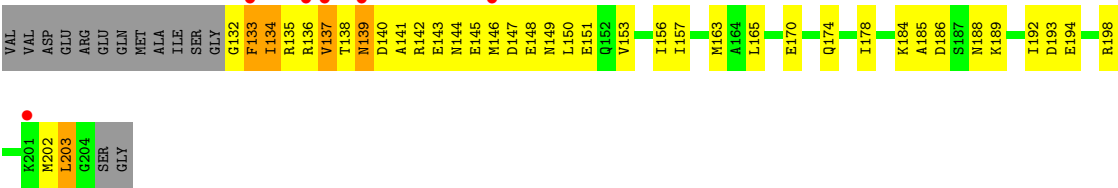
- Molecule 4: PROTEIN (SNAP-25B)

Chain H:



● Molecule 4: PROTEIN (SNAP-25B)

Chain L:



4 Data and refinement statistics

Property	Value	Source
Space group	I 2 2 2	Depositor
Cell constants a, b, c, α , β , γ	98.72Å 111.07Å 198.84Å 90.00° 90.00° 90.00°	Depositor
Resolution (Å)	50.00 – 2.40 41.23 – 2.40	Depositor EDS
% Data completeness (in resolution range)	98.8 (50.00-2.40) 98.9 (41.23-2.40)	Depositor EDS
R_{merge}	(Not available)	Depositor
R_{sym}	0.08	Depositor
$\langle I/\sigma(I) \rangle$ ¹	6.47 (at 2.39Å)	Xtriage
Refinement program	CNS 0.3	Depositor
R, R_{free}	0.265 , 0.303 0.271 , 0.309	Depositor DCC
R_{free} test set	4166 reflections (9.77%)	DCC
Wilson B-factor (Å ²)	32.3	Xtriage
Anisotropy	0.336	Xtriage
Bulk solvent k_{sol} (e/Å ³), B_{sol} (Å ²)	0.36 , 33.1	EDS
Estimated twinning fraction	No twinning to report.	Xtriage
L-test for twinning	$\langle L \rangle = 0.37$, $\langle L^2 \rangle = 0.21$	Xtriage
Outliers	1 of 82438 reflections (0.001%)	Xtriage
F_o, F_c correlation	0.89	EDS
Total number of atoms	7105	wwPDB-VP
Average B, all atoms (Å ²)	45.0	wwPDB-VP

Xtriage's analysis on translational NCS is as follows: *The largest off-origin peak in the Patterson function is 4.28% of the height of the origin peak. No significant pseudotranslation is detected.*

¹Intensities estimated from amplitudes.

5 Model quality

5.1 Standard geometry

Bond lengths and bond angles in the following residue types are not validated in this section: SR, MPD

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

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	$\# Z > 5$	RMSZ	$\# Z > 5$
1	A	0.40	0/569	0.63	0/765
1	E	0.39	0/572	0.58	0/764
1	I	0.41	0/570	0.65	1/765 (0.1%)
2	B	0.43	0/592	0.67	0/792
2	F	0.43	0/600	0.62	0/802
2	J	0.42	0/606	0.60	0/811
3	C	0.36	0/625	0.59	0/828
3	G	0.40	0/581	0.68	0/770
3	K	0.41	0/589	0.62	0/781
4	D	0.46	1/587 (0.2%)	0.64	0/782
4	H	0.46	0/579	0.71	0/772
4	L	0.46	0/583	0.71	0/777
All	All	0.42	1/7053 (0.0%)	0.64	1/9409 (0.0%)

All (1) bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
4	D	131	GLY	N-CA	5.37	1.54	1.46

All (1) bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	I	28	SER	N-CA-C	5.34	125.41	111.00

There are no chirality outliers.

There are no planarity outliers.

5.2 Close contacts ⓘ

In the following table, the Non-H and H(model) columns list the number of non-hydrogen atoms and hydrogen atoms in the chain respectively. The H(added) column lists the number of hydrogens added by MolProbity. The Clashes column lists the number of clashes within the asymmetric unit, and the number in parentheses is this value normalized per 1000 atoms of the molecule in the chain. The Symm-Clashes column gives symmetry related clashes, in the same way as for the Clashes column.

Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
1	A	564	0	565	26	0
1	E	567	0	573	69	0
1	I	565	0	571	52	0
2	B	586	0	575	42	0
2	F	594	0	588	65	0
2	J	600	0	591	47	0
3	C	625	0	614	40	0
3	G	581	0	569	66	0
3	K	589	0	580	50	0
4	D	586	0	573	27	0
4	H	578	0	567	82	0
4	L	582	0	570	71	0
5	A	2	0	0	0	0
5	B	1	0	0	0	0
5	C	2	0	0	0	0
5	D	1	0	0	0	0
5	F	2	0	0	0	0
5	G	3	0	0	0	0
5	J	1	0	0	0	0
5	K	1	0	0	0	0
6	A	16	0	28	0	0
6	F	8	0	14	0	0
6	G	8	0	14	1	0
6	I	8	0	14	2	0
6	K	16	0	28	1	0
7	A	2	0	0	0	0
7	B	2	0	0	2	0
7	C	1	0	0	0	0
7	D	1	0	0	0	0
7	F	5	0	0	0	0
7	G	1	0	0	0	0
7	I	3	0	0	0	0
7	J	3	0	0	0	0
7	K	1	0	0	0	0
All	All	7105	0	7034	430	0

Clashscore is defined as the number of clashes calculated for the entry per 1000 atoms (including hydrogens) of the entry. The overall clashscore for this entry is 31.

The worst 5 of 430 close contacts within the same asymmetric unit are listed below.

Atom-1	Atom-2	Distance(Å)	Clash(Å)
1:I:50:VAL:HA	2:J:219:MET:HE3	1.41	1.01
3:G:12:GLU:HG2	3:G:13:GLU:H	1.20	1.01
1:E:53:VAL:HG21	2:F:219:MET:SD	2.03	0.98
1:I:31:ARG:HG2	4:L:132:GLY:HA2	1.47	0.95
2:B:231:ASP:HB3	3:C:56:GLN:HE22	1.36	0.88

There are no symmetry-related clashes.

5.3 Torsion angles

5.3.1 Protein backbone ⓘ

In the following table, the Percentiles column shows the percent Ramachandran outliers of the chain as a percentile score with respect to all X-ray entries followed by that with respect to entries of similar resolution. The Analysed column shows the number of residues for which the backbone conformation was analysed, and the total number of residues.

Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
1	A	67/96 (70%)	64 (96%)	2 (3%)	1 (2%)	15	20
1	E	67/96 (70%)	63 (94%)	3 (4%)	1 (2%)	15	20
1	I	67/96 (70%)	63 (94%)	3 (4%)	1 (2%)	15	20
2	B	70/83 (84%)	68 (97%)	2 (3%)	0	100	100
2	F	71/83 (86%)	67 (94%)	2 (3%)	2 (3%)	8	6
2	J	72/83 (87%)	68 (94%)	4 (6%)	0	100	100
3	C	75/83 (90%)	73 (97%)	2 (3%)	0	100	100
3	G	70/83 (84%)	67 (96%)	3 (4%)	0	100	100
3	K	71/83 (86%)	68 (96%)	3 (4%)	0	100	100
4	D	72/87 (83%)	63 (88%)	7 (10%)	2 (3%)	8	6
4	H	70/87 (80%)	61 (87%)	6 (9%)	3 (4%)	4	3
4	L	71/87 (82%)	62 (87%)	4 (6%)	5 (7%)	2	1
All	All	843/1047 (80%)	787 (93%)	41 (5%)	15 (2%)	13	15

5 of 15 Ramachandran outliers are listed below:

Mol	Chain	Res	Type
1	A	26	LEU
4	H	139	ASN
1	I	93	LEU
4	L	138	THR
4	D	139	ASN

5.3.2 Protein sidechains ⓘ

In the following table, the Percentiles column shows the percent sidechain outliers of the chain as a percentile score with respect to all X-ray entries followed by that with respect to entries of similar resolution. The Analysed column shows the number of residues for which the sidechain conformation was analysed, and the total number of residues.

Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
1	A	61/78 (78%)	58 (95%)	3 (5%)	35	53
1	E	61/78 (78%)	57 (93%)	4 (7%)	24	35
1	I	61/78 (78%)	57 (93%)	4 (7%)	24	35
2	B	66/75 (88%)	56 (85%)	10 (15%)	4	5
2	F	66/75 (88%)	62 (94%)	4 (6%)	26	40
2	J	68/75 (91%)	65 (96%)	3 (4%)	39	58
3	C	69/73 (94%)	62 (90%)	7 (10%)	11	16
3	G	64/73 (88%)	56 (88%)	8 (12%)	7	8
3	K	65/73 (89%)	60 (92%)	5 (8%)	18	28
4	D	63/74 (85%)	59 (94%)	4 (6%)	25	38
4	H	63/74 (85%)	56 (89%)	7 (11%)	9	12
4	L	63/74 (85%)	61 (97%)	2 (3%)	51	72
All	All	770/900 (86%)	709 (92%)	61 (8%)	18	26

5 of 61 residues with a non-rotameric sidechain are listed below:

Mol	Chain	Res	Type
1	E	86	ARG
3	G	17	ARG
3	K	26	LEU
2	F	190	GLN
2	F	224	GLU

Some sidechains can be flipped to improve hydrogen bonding and reduce clashes. 5 of 39 such sidechains are listed below:

Mol	Chain	Res	Type
3	G	69	GLN
4	H	149	ASN
4	L	144	ASN
3	G	77	ASN
4	H	139	ASN

5.3.3 RNA ⓘ

There are no RNA chains in this entry.

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

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

5.5 Carbohydrates ⓘ

There are no carbohydrates in this entry.

5.6 Ligand geometry ⓘ

Of 20 ligands modelled in this entry, 13 are monoatomic - leaving 7 for Mogul analysis.

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

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# $ Z > 2$	Counts	RMSZ	# $ Z > 2$
6	MPD	A	927	-	7,7,7	1.07	1 (14%)	10,10,10	2.50	3 (30%)
6	MPD	A	928	-	7,7,7	1.11	1 (14%)	10,10,10	2.59	3 (30%)
6	MPD	F	926	-	7,7,7	0.97	1 (14%)	10,10,10	2.72	3 (30%)
6	MPD	G	932	-	7,7,7	1.04	1 (14%)	10,10,10	2.58	3 (30%)
6	MPD	I	930	-	7,7,7	1.11	1 (14%)	10,10,10	2.66	2 (20%)
6	MPD	K	929	-	7,7,7	1.15	1 (14%)	10,10,10	2.69	2 (20%)
6	MPD	K	931	-	7,7,7	1.07	1 (14%)	10,10,10	2.58	3 (30%)

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

Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
6	MPD	A	927	-	-	0/5/5/5	0/0/0/0
6	MPD	A	928	-	-	0/5/5/5	0/0/0/0
6	MPD	F	926	-	-	0/5/5/5	0/0/0/0
6	MPD	G	932	-	-	0/5/5/5	0/0/0/0
6	MPD	I	930	-	-	0/5/5/5	0/0/0/0
6	MPD	K	929	-	-	0/5/5/5	0/0/0/0
6	MPD	K	931	-	-	0/5/5/5	0/0/0/0

The worst 5 of 7 bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
6	K	929	MPD	O2-C2	2.30	1.51	1.44
6	K	931	MPD	O2-C2	2.26	1.51	1.44
6	A	927	MPD	O2-C2	2.26	1.51	1.44
6	I	930	MPD	O2-C2	2.17	1.50	1.44
6	A	928	MPD	O2-C2	2.18	1.50	1.44

The worst 5 of 19 bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
6	F	926	MPD	CM-C2-C1	7.36	126.43	110.11
6	K	929	MPD	CM-C2-C1	7.33	126.35	110.11
6	I	930	MPD	CM-C2-C1	7.24	126.16	110.11
6	A	928	MPD	CM-C2-C1	7.04	125.71	110.11
6	K	931	MPD	CM-C2-C1	7.02	125.67	110.11

There are no chirality outliers.

There are no torsion outliers.

There are no ring outliers.

5.7 Other polymers ⓘ

There are no such residues in this entry.

5.8 Polymer linkage issues

There are no chain breaks in this entry.

6 Fit of model and data ⓘ

6.1 Protein, DNA and RNA chains ⓘ

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

Mol	Chain	Analysed	<RSRZ>	#RSRZ>2			OWAB(Å ²)	Q<0.9
1	A	69/96 (71%)	0.37	2 (2%)	49	47	28, 39, 57, 64	0
1	E	69/96 (71%)	0.30	4 (5%)	22	20	23, 41, 73, 84	0
1	I	69/96 (71%)	0.59	9 (13%)	4	4	19, 39, 76, 80	0
2	B	72/83 (86%)	0.28	3 (4%)	35	32	20, 36, 60, 74	0
2	F	73/83 (87%)	0.46	6 (8%)	12	10	22, 41, 82, 89	0
2	J	71/83 (85%)	0.49	4 (5%)	24	22	20, 38, 76, 82	0
3	C	77/83 (92%)	0.44	9 (11%)	5	5	22, 39, 73, 79	0
3	G	72/83 (86%)	0.62	6 (8%)	11	10	0, 42, 91, 94	1 (1%)
3	K	72/83 (86%)	0.62	5 (6%)	17	15	20, 42, 70, 74	0
4	D	73/87 (83%)	0.24	2 (2%)	52	49	24, 40, 63, 70	0
4	H	72/87 (82%)	0.60	7 (9%)	8	7	26, 45, 83, 86	0
4	L	72/87 (82%)	0.60	6 (8%)	11	10	22, 44, 70, 72	0
All	All	861/1047 (82%)	0.47	63 (7%)	15	13	0, 41, 76, 94	1 (0%)

The worst 5 of 63 RSRZ outliers are listed below:

Mol	Chain	Res	Type	RSRZ
4	H	137	VAL	7.7
3	G	15	GLN	6.3
1	I	93	LEU	5.0
2	J	189	LYS	4.5
4	L	137	VAL	4.1

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

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

6.3 Carbohydrates ⓘ

There are no carbohydrates in this entry.

6.4 Ligands ⓘ

In the following table, the Atoms column lists the number of modelled atoms in the group and the number defined in the chemical component dictionary. LLDF column lists the quality of electron density of the group with respect to its neighbouring residues in protein, DNA or RNA chains. The B-factors column lists the minimum, median, 95th percentile and maximum values of B factors of atoms in the group. The column labelled 'Q< 0.9' lists the number of atoms with occupancy less than 0.9.

Mol	Type	Chain	Res	Atoms	RSR	LLDF	B-factors(Å ²)	Q<0.9
6	MPD	K	929	8/8	0.71	15.62	79,80,80,81	0
6	MPD	A	927	8/8	0.31	6.20	74,75,75,75	0
6	MPD	I	930	8/8	0.37	5.49	65,69,70,72	0
6	MPD	F	926	8/8	0.26	2.13	44,46,50,52	0
6	MPD	A	928	8/8	0.30	1.93	51,54,55,56	0
6	MPD	G	932	8/8	0.29	1.65	70,71,72,72	0
5	SR	D	288	1/1	0.18	1.40	58,58,58,58	0
5	SR	C	295	1/1	0.19	0.93	87,87,87,87	1
5	SR	G	299	1/1	0.18	-0.06	92,92,92,92	0
5	SR	G	298	1/1	0.17	-0.15	63,63,63,63	0
5	SR	J	292	1/1	0.15	-0.28	96,96,96,96	0
5	SR	A	290	1/1	0.14	-0.39	50,50,50,50	0
5	SR	G	300	1/1	0.17	-0.43	81,81,81,81	0
6	MPD	K	931	8/8	0.27	-0.50	70,71,71,72	0
5	SR	F	291	1/1	0.17	-0.56	63,63,63,63	0
5	SR	A	289	1/1	0.12	-1.98	30,30,30,30	0
5	SR	C	296	1/1	0.07	-2.24	96,96,96,96	1
5	SR	K	293	1/1	0.06	-3.32	96,96,96,96	1
5	SR	F	297	1/1	0.07	-8.25	95,95,95,95	0
5	SR	B	294	1/1	0.15	-20.33	96,96,96,96	1

6.5 Other polymers ⓘ

There are no such residues in this entry.