WORLDWIDE wwPDB PROTEIN DATA BANK

Full wwPDB X-ray Structure Validation Report ⓘ

Oct 5, 2023 – 08:15 PM EDT

PDB ID	:	6V2H
Title	:	Crystal structure of CDYL2 in complex with H3tK27me3
Authors	:	Dong, C.; Tempel, W.; Walker, J.R.; Bountra, C.; Arrowsmith, C.H.; Edwards, A.M.; Min, J.; Structural Genomics Consortium (SGC)
Deposited on	:	2019-11-22
Resolution	:	2.60 Å(reported)

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

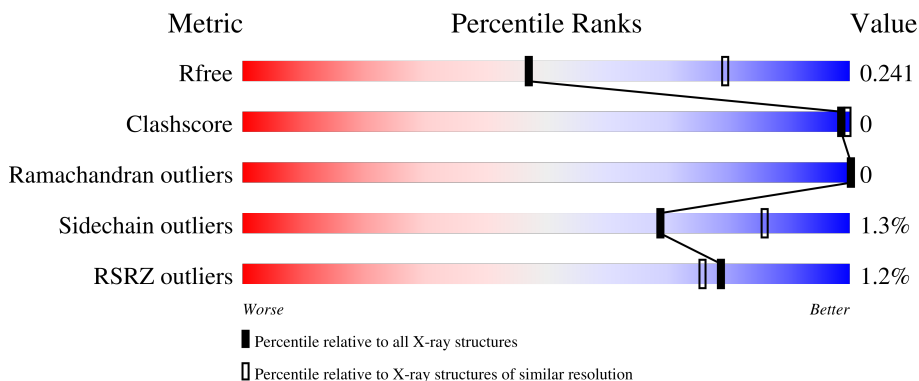|		
MolProbity	:	4.02b-467
Mogul	:	1.8.5 (274361), CSD as541be (2020)
Xtriage (Phenix)	:	1.13
EDS	:	2.35.1
Percentile statistics	:	20191225.v01 (using entries in the PDB archive December 25th 2019)
Refmac	:	5.8.0158
CCP4	:	7.0.044 (Gargrove)
Ideal geometry (proteins)	:	Engh & Huber (2001)
Ideal geometry (DNA, RNA)	:	Parkinson et al. (1996)
Validation Pipeline (wwPDB-VP)	:	2.35.1

1 Overall quality at a glance ⓘ

The following experimental techniques were used to determine the structure:
X-RAY DIFFRACTION

The reported resolution of this entry is 2.60 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.
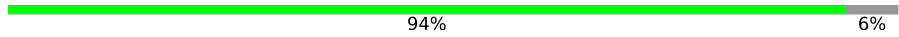
Metric	Percentile Ranks	Value
Rfree		0.241
Clashscore		0
Ramachandran outliers		0
Sidechain outliers		1.3%
RSRZ outliers		1.2%

Worse — *Better*

▮ Percentile relative to all X-ray structures

▯ Percentile relative to X-ray structures of similar resolution

Metric	Whole archive (#Entries)	Similar resolution (#Entries, resolution range(Å))
R$_{free}$	130704	3163 (2.60-2.60)
Clashscore	141614	3518 (2.60-2.60)
Ramachandran outliers	138981	3455 (2.60-2.60)
Sidechain outliers	138945	3455 (2.60-2.60)
RSRZ outliers	127900	3104 (2.60-2.60)

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

Mol	Chain	Length	Quality of chain
1	A	62	89% · 8%
1	C	62	5% 97% ·
1	E	62	95% · ·
1	G	62	3% 94% · 5%
1	I	62	92% · · 5%

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Mol	Chain	Length	Quality of chain
1	K	62	94% 6%
2	B	14	64% 7% 29%
2	D	14	71% 29%
2	F	14	71% 29%
2	H	14	79% 21%
2	J	14	71% 29%
2	L	14	71% 29%

2 Entity composition ⓘ

There are 4 unique types of molecules in this entry. The entry contains 3371 atoms, of which 0 are hydrogens and 0 are deuteriums.

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

- Molecule 1 is a protein called Chromodomain Y-like protein 2.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
1	A	57	Total	C	N	O	S	0	0	0
			467	300	77	89	1			
1	C	60	Total	C	N	O	S	0	0	0
			493	315	83	94	1			
1	E	60	Total	C	N	O	S	0	2	0
			505	325	86	93	1			
1	G	59	Total	C	N	O	S	0	1	0
			487	310	81	95	1			
1	I	59	Total	C	N	O	S	0	0	0
			489	313	81	94	1			
1	K	58	Total	C	N	O	S	0	0	1
			468	301	78	88	1			

There are 6 discrepancies between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
A	1	GLY	-	expression tag	UNP Q8N8U2
C	1	GLY	-	expression tag	UNP Q8N8U2
E	1	GLY	-	expression tag	UNP Q8N8U2
G	1	GLY	-	expression tag	UNP Q8N8U2
I	1	GLY	-	expression tag	UNP Q8N8U2
K	1	GLY	-	expression tag	UNP Q8N8U2

- Molecule 2 is a protein called H3tK27me3.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
2	B	10	Total	C	N	O	0	0	0
			70	44	14	12			
2	D	10	Total	C	N	O	0	0	0
			70	44	14	12			
2	F	10	Total	C	N	O	0	0	0
			70	44	14	12			

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Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
2	H	11	Total 77	C 49	N 15	O 13	0	0	0
2	J	10	Total 70	C 44	N 14	O 12	0	0	0
2	L	10	Total 70	C 44	N 14	O 12	0	0	0

- Molecule 3 is NICKEL (II) ION (three-letter code: NI) (formula: Ni).

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
3	A	1	Total 1	Ni 1	0	0
3	C	1	Total 1	Ni 1	0	0
3	E	1	Total 1	Ni 1	0	0
3	G	1	Total 1	Ni 1	0	0
3	I	1	Total 1	Ni 1	0	0
3	K	1	Total 1	Ni 1	0	0

- Molecule 4 is UNKNOWN ATOM OR ION (three-letter code: UNX) (formula: X).

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
4	A	4	Total 4	X 4	0	0
4	B	2	Total 2	X 2	0	0
4	C	1	Total 1	X 1	0	0
4	E	12	Total 12	X 12	0	0
4	G	4	Total 4	X 4	0	0
4	H	1	Total 1	X 1	0	0
4	I	2	Total 2	X 2	0	0
4	J	2	Total 2	X 2	0	0

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
4	K	1	Total X 1 1		0	0

3 Residue-property plots ⓘ

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

• Molecule 1: Chromodomain Y-like protein 2

Chain A:

• Molecule 1: Chromodomain Y-like protein 2

Chain C:

• Molecule 1: Chromodomain Y-like protein 2

Chain E:

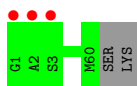• Molecule 1: Chromodomain Y-like protein 2

Chain G:
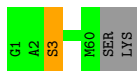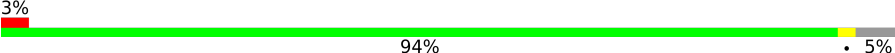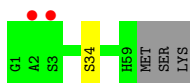

• Molecule 1: Chromodomain Y-like protein 2

Chain I:
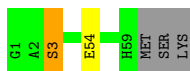
• Molecule 1: Chromodomain Y-like protein 2

Chain K:

94%   6%

G1 ALA S3   H59 MET SER LYS

- Molecule 2: H3tK27me3

Chain B:

64%   7%   29%

ACE20 A21 T22 A29 PRO ALA THR NH2
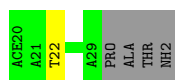
- Molecule 2: H3tK27me3

Chain D:

71%   29%

ACE20 A29 PRO ALA THR NH2
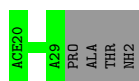
- Molecule 2: H3tK27me3

Chain F:

71%   29%

ACE20 A29 PRO ALA THR NH2
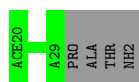
- Molecule 2: H3tK27me3

Chain H:

79%   21%

ACE20 P30 ALA THR NH2
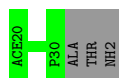
- Molecule 2: H3tK27me3

Chain J:

71%   29%

ACE20 A29 PRO ALA THR NH2
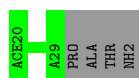
- Molecule 2: H3tK27me3

Chain L:

71%   29%

ACE20 A29 PRO ALA THR NH2
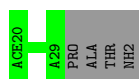
4 Data and refinement statistics (i)

Property	Value	Source
Space group	H 3	Depositor
Cell constants a, b, c, α, β, γ	210.75Å 210.75Å 67.20Å 90.00° 90.00° 120.00°	Depositor
Resolution (Å)	63.14 – 2.60 60.84 – 2.60	Depositor EDS
% Data completeness (in resolution range)	100.0 (63.14-2.60) 100.0 (60.84-2.60)	Depositor EDS
R_{merge}	0.10	Depositor
R_{sym}	(Not available)	Depositor
$< I/\sigma(I) >$ [1]	2.06 (at 2.61Å)	Xtriage
Refinement program	REFMAC 5.8.0155	Depositor
R, R_{free}	0.217 , 0.237 0.223 , 0.241	Depositor DCC
R_{free} test set	2234 reflections (6.53%)	wwPDB-VP
Wilson B-factor (Å^2)	53.4	Xtriage
Anisotropy	0.205	Xtriage
Bulk solvent k_{sol}(e/Å^3), B_{sol}(Å^2)	0.32 , 35.9	EDS
L-test for twinning[2]	$< |L| > = 0.50, < L^2 > = 0.33$	Xtriage
Estimated twinning fraction	0.025 for h,-h-k,-l	Xtriage
F_o,F_c correlation	0.94	EDS
Total number of atoms	3371	wwPDB-VP
Average B, all atoms (Å^2)	60.0	wwPDB-VP

Xtriage's analysis on translational NCS is as follows: *The largest off-origin peak in the Patterson function is 3.56% of the height of the origin peak. No significant pseudotranslation is detected.*

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[1]Intensities estimated from amplitudes.
[2]Theoretical values of $< |L| >$, $< L^2 >$ for acentric reflections are 0.5, 0.333 respectively for untwinned datasets, and 0.375, 0.2 for perfectly twinned datasets.

5   Model quality ⓘ

5.1   Standard geometry ⓘ

Bond lengths and bond angles in the following residue types are not validated in this section: UNX, NI, M3L, ACE

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	0.66	0/480	0.66	0/648
1	C	0.62	0/508	0.65	0/688
1	E	0.72	0/527	0.70	0/709
1	G	0.78	0/504	0.71	0/682
1	I	0.67	0/504	0.71	1/680 (0.1%)
1	K	0.59	0/481	0.63	0/650
2	B	0.81	0/55	0.89	0/73
2	D	0.72	0/55	0.78	0/73
2	F	0.87	0/55	1.10	0/73
2	H	0.81	0/63	0.91	0/85
2	J	0.69	0/55	0.83	0/73
2	L	0.74	0/55	0.92	0/73
All	All	0.69	0/3342	0.71	1/4507 (0.0%)

There are no bond length outliers.

All (1) bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	I	54	GLU	CA-CB-CG	6.50	127.69	113.40

There are no chirality outliers.

There are no planarity outliers.

5.2   Too-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 hydrogen atoms added and optimized by MolProbity. The Clashes column lists the number of clashes within the asymmetric unit, whereas Symm-Clashes lists symmetry-related clashes.

Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
1	A	467	0	398	1	0
1	C	493	0	427	0	0
1	E	505	0	453	2	0
1	G	487	0	422	0	0
1	I	489	0	432	2	0
1	K	468	0	405	0	0
2	B	70	0	83	1	0
2	D	70	0	83	0	0
2	F	70	0	84	0	0
2	H	77	0	90	0	0
2	J	70	0	84	0	0
2	L	70	0	83	0	0
3	A	1	0	0	0	0
3	C	1	0	0	0	0
3	E	1	0	0	0	0
3	G	1	0	0	0	0
3	I	1	0	0	0	0
3	K	1	0	0	0	0
4	A	4	0	0	0	0
4	B	2	0	0	0	0
4	C	1	0	0	0	0
4	E	12	0	0	0	0
4	G	4	0	0	0	0
4	H	1	0	0	0	0
4	I	2	0	0	0	0
4	J	2	0	0	0	0
4	K	1	0	0	0	0
All	All	3371	0	3044	3	0

The all-atom clashscore is defined as the number of clashes found per 1000 atoms (including hydrogen atoms). The all-atom clashscore for this structure is 0.

All (3) close contacts within the same asymmetric unit are listed below, sorted by their clash magnitude.

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:E:3:SER:CB	1:I:3:SER:HB2	2.45	0.46
1:E:3:SER:HB2	1:I:3:SER:CB	2.47	0.44
1:A:47:HIS:HB2	2:B:22:THR:HA	2.02	0.42

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	54/62 (87%)	53 (98%)	1 (2%)	0	100	100
1	C	58/62 (94%)	57 (98%)	1 (2%)	0	100	100
1	E	59/62 (95%)	58 (98%)	1 (2%)	0	100	100
1	G	58/62 (94%)	57 (98%)	1 (2%)	0	100	100
1	I	57/62 (92%)	56 (98%)	1 (2%)	0	100	100
1	K	55/62 (89%)	55 (100%)	0	0	100	100
2	B	7/14 (50%)	7 (100%)	0	0	100	100
2	D	7/14 (50%)	7 (100%)	0	0	100	100
2	F	7/14 (50%)	6 (86%)	1 (14%)	0	100	100
2	H	8/14 (57%)	8 (100%)	0	0	100	100
2	J	7/14 (50%)	7 (100%)	0	0	100	100
2	L	7/14 (50%)	7 (100%)	0	0	100	100
All	All	384/456 (84%)	378 (98%)	6 (2%)	0	100	100

There are no Ramachandran outliers to report.

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	42/55 (76%)	41 (98%)	1 (2%)	49	74
1	C	46/55 (84%)	46 (100%)	0	100	100

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
1	E	48/55 (87%)	47 (98%)	1 (2%)	53	77
1	G	46/55 (84%)	45 (98%)	1 (2%)	52	76
1	I	47/55 (86%)	46 (98%)	1 (2%)	53	77
1	K	43/55 (78%)	43 (100%)	0	100	100
2	B	5/7 (71%)	5 (100%)	0	100	100
2	D	5/7 (71%)	5 (100%)	0	100	100
2	F	5/7 (71%)	5 (100%)	0	100	100
2	H	6/7 (86%)	6 (100%)	0	100	100
2	J	5/7 (71%)	5 (100%)	0	100	100
2	L	5/7 (71%)	5 (100%)	0	100	100
All	All	303/372 (82%)	299 (99%)	4 (1%)	69	86

All (4) residues with a non-rotameric sidechain are listed below:

Mol	Chain	Res	Type
1	A	34	SER
1	E	3	SER
1	G	34	SER
1	I	3	SER

Sometimes sidechains can be flipped to improve hydrogen bonding and reduce clashes. There are no such sidechains identified.

5.3.3 RNA (i)

There are no RNA molecules in this entry.

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

6 non-standard protein/DNA/RNA residues are modelled in this entry.

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

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\| > 2$	Counts	RMSZ	$\#\|Z\| > 2$
2	M3L	F	27	2	10,11,12	0.94	0	9,14,16	0.64	0
2	M3L	J	27	2	10,11,12	0.65	0	9,14,16	0.50	0
2	M3L	D	27	2	10,11,12	0.73	0	9,14,16	0.37	0
2	M3L	B	27	2	10,11,12	0.64	0	9,14,16	1.01	0
2	M3L	L	27	2	10,11,12	0.48	0	9,14,16	0.58	0
2	M3L	H	27	2	10,11,12	0.57	0	9,14,16	0.66	0

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
2	M3L	F	27	2	-	1/9/10/12	-
2	M3L	J	27	2	-	1/9/10/12	-
2	M3L	D	27	2	-	2/9/10/12	-
2	M3L	B	27	2	-	3/9/10/12	-
2	M3L	L	27	2	-	1/9/10/12	-
2	M3L	H	27	2	-	0/9/10/12	-

There are no bond length outliers.

There are no bond angle outliers.

There are no chirality outliers.

All (8) torsion outliers are listed below:

Mol	Chain	Res	Type	Atoms
2	J	27	M3L	O-C-CA-CB
2	D	27	M3L	CE-CD-CG-CB
2	B	27	M3L	CE-CD-CG-CB
2	F	27	M3L	CA-CB-CG-CD
2	L	27	M3L	CE-CD-CG-CB
2	B	27	M3L	CD-CE-NZ-CM3
2	D	27	M3L	CA-CB-CG-CD
2	B	27	M3L	CD-CE-NZ-CM1

There are no ring outliers.

No monomer is involved in short contacts.

5.5 Carbohydrates ⓘ

There are no monosaccharides in this entry.

5.6 Ligand geometry ⓘ

Of 35 ligands modelled in this entry, 6 are monoatomic and 29 are unknown - leaving 0 for Mogul analysis.

There are no bond length outliers.

There are no bond angle outliers.

There are no chirality outliers.

There are no torsion outliers.

There are no ring outliers.

No monomer is involved in short contacts.

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(Å²)	Q<0.9
1	A	57/62 (91%)	-0.04	0	100	100	43, 62, 106, 113	0
1	C	60/62 (96%)	0.13	3 (5%)	28	23	55, 68, 107, 132	0
1	E	60/62 (96%)	0.07	0	100	100	30, 40, 66, 77	0
1	G	59/62 (95%)	0.21	2 (3%)	45	38	34, 48, 87, 117	0
1	I	59/62 (95%)	-0.05	0	100	100	44, 62, 84, 90	0
1	K	58/62 (93%)	-0.00	0	100	100	61, 76, 105, 120	0
2	B	8/14 (57%)	-0.10	0	100	100	40, 42, 62, 75	0
2	D	8/14 (57%)	-0.12	0	100	100	51, 56, 80, 92	0
2	F	8/14 (57%)	-0.15	0	100	100	37, 41, 64, 82	0
2	H	9/14 (64%)	0.02	0	100	100	36, 42, 78, 87	0
2	J	8/14 (57%)	-0.26	0	100	100	41, 45, 77, 94	0
2	L	8/14 (57%)	-0.25	0	100	100	52, 57, 82, 93	0
All	All	402/456 (88%)	0.03	5 (1%)	79	76	30, 61, 99, 132	0

All (5) RSRZ outliers are listed below:

Mol	Chain	Res	Type	RSRZ
1	G	2	ALA	5.8
1	C	2	ALA	5.1
1	C	3	SER	3.9
1	G	3	SER	2.4
1	C	1	GLY	2.1

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

In the following table, the Atoms column lists the number of modelled atoms in the group and the number defined in the chemical component dictionary. The B-factors column lists the minimum,

median, 95th percentile and maximum values of B factors of atoms in the group. The column labelled 'Q< 0.9' lists the number of atoms with occupancy less than 0.9.

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
2	M3L	D	27	12/13	0.96	0.22	65,68,72,74	0
2	M3L	B	27	12/13	0.97	0.21	51,54,58,60	0
2	M3L	F	27	12/13	0.97	0.22	45,49,53,56	0
2	M3L	J	27	12/13	0.97	0.22	57,65,70,70	0
2	M3L	L	27	12/13	0.97	0.22	70,77,81,81	0
2	M3L	H	27	12/13	0.98	0.21	43,47,50,51	0

6.3 Carbohydrates ⓘ

There are no monosaccharides 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. The B-factors column lists the minimum, median, 95th percentile and maximum values of B factors of atoms in the group. The column labelled 'Q< 0.9' lists the number of atoms with occupancy less than 0.9.

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
4	UNX	E	102	1/1	0.62	0.23	36,36,36,36	0
4	UNX	A	104	1/1	0.64	0.25	48,48,48,48	0
4	UNX	E	104	1/1	0.70	0.23	26,26,26,26	0
4	UNX	K	102	1/1	0.70	0.18	46,46,46,46	0
4	UNX	G	105	1/1	0.71	0.27	34,34,34,34	0
3	NI	K	101	1/1	0.73	0.09	114,114,114,114	0
4	UNX	J	102	1/1	0.76	0.20	38,38,38,38	0
3	NI	A	101	1/1	0.77	0.09	103,103,103,103	0
4	UNX	A	102	1/1	0.78	0.16	33,33,33,33	0
4	UNX	A	103	1/1	0.79	0.20	43,43,43,43	0
4	UNX	H	101	1/1	0.81	0.20	41,41,41,41	0
4	UNX	G	103	1/1	0.82	0.35	32,32,32,32	0
4	UNX	E	107	1/1	0.83	0.29	40,40,40,40	0
4	UNX	E	110	1/1	0.83	0.28	39,39,39,39	0
4	UNX	G	102	1/1	0.83	0.33	43,43,43,43	0
4	UNX	E	105	1/1	0.83	0.25	25,25,25,25	0
4	UNX	E	112	1/1	0.84	0.20	34,34,34,34	0
4	UNX	B	102	1/1	0.86	0.19	34,34,34,34	0
3	NI	G	101	1/1	0.88	0.11	94,94,94,94	0
4	UNX	E	111	1/1	0.89	0.26	34,34,34,34	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\mathring{A}^2$)	Q<0.9
4	UNX	B	101	1/1	0.89	0.14	31,31,31,31	0
4	UNX	E	103	1/1	0.91	0.12	25,25,25,25	0
3	NI	C	101	1/1	0.91	0.04	107,107,107,107	0
4	UNX	E	108	1/1	0.91	0.24	34,34,34,34	0
4	UNX	G	104	1/1	0.92	0.22	36,36,36,36	0
4	UNX	A	105	1/1	0.93	0.15	42,42,42,42	0
4	UNX	E	113	1/1	0.93	0.28	38,38,38,38	0
4	UNX	C	102	1/1	0.93	0.17	44,44,44,44	0
4	UNX	E	106	1/1	0.95	0.36	33,33,33,33	0
4	UNX	J	101	1/1	0.96	0.23	31,31,31,31	0
3	NI	I	101	1/1	0.96	0.18	70,70,70,70	0
4	UNX	I	102	1/1	0.96	0.41	49,49,49,49	0
4	UNX	I	103	1/1	0.97	0.22	32,32,32,32	0
4	UNX	E	109	1/1	0.97	0.16	25,25,25,25	0
3	NI	E	101	1/1	0.98	0.19	62,62,62,62	0

6.5 Other polymers (i)

There are no such residues in this entry.