



Full wwPDB X-ray Structure Validation Report

Feb 27, 2014 – 07:09 AM GMT

PDB ID : 1VCP
Title : SEMLIKI FOREST VIRUS CAPSID PROTEIN (CRYSTAL FORM I)
Authors : Lu, G.; Choi, H.-K.; Rossmann, M.G.
Deposited on : 1996-03-04
Resolution : 3.00 Å(reported)

This is a full wwPDB validation 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>

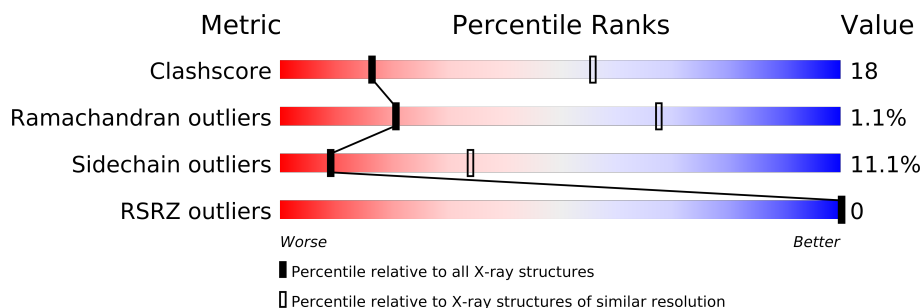
The following versions of software and data (see [references](#)) were used in the production of this report:

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 3.00 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))
Clashscore	79885	1594 (3.00-3.00)
Ramachandran outliers	78287	1537 (3.00-3.00)
Sidechain outliers	78261	1540 (3.00-3.00)
RSRZ outliers	66119	1217 (3.00-3.00)

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	149	
1	B	149	
1	C	149	

2 Entry composition

There are 2 unique types of molecules in this entry. The entry contains 3429 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 SEMLIKI FOREST VIRUS CAPSID PROTEIN.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
1	A	149	Total	C	N	O	S	0	0	0
			1142	718	205	213	6			
1	B	149	Total	C	N	O	S	0	0	0
			1142	718	205	213	6			
1	C	149	Total	C	N	O	S	0	0	0
			1142	718	205	213	6			

- Molecule 2 is MERCURY (II) ION (three-letter code: HG) (formula: Hg).

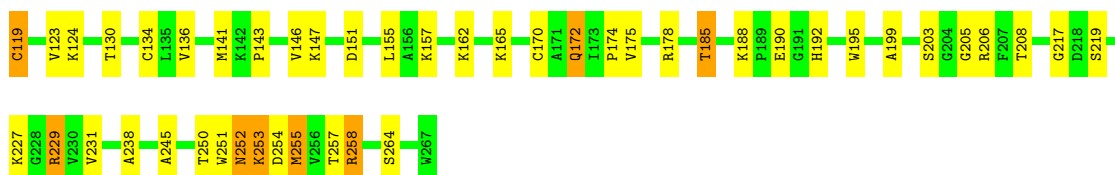
Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
2	B	1	Total	Hg	0	0
			1	1		
2	A	1	Total	Hg	0	0
			1	1		
2	C	1	Total	Hg	0	0
			1	1		

3 Residue-property plots

These plots are drawn for all protein, RNA and DNA chains in the entry. The first graphic for a chain summarises the proportions of errors 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.

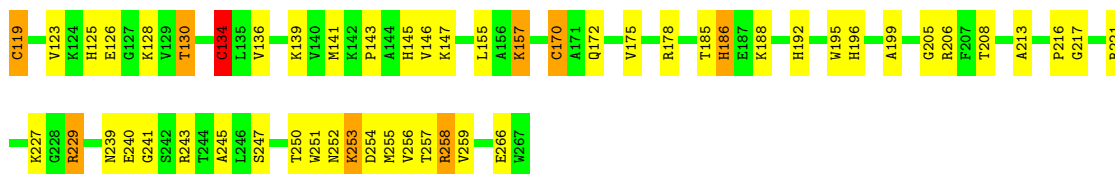
- Molecule 1: SEMLIKI FOREST VIRUS CAPSID PROTEIN

Chain A: 



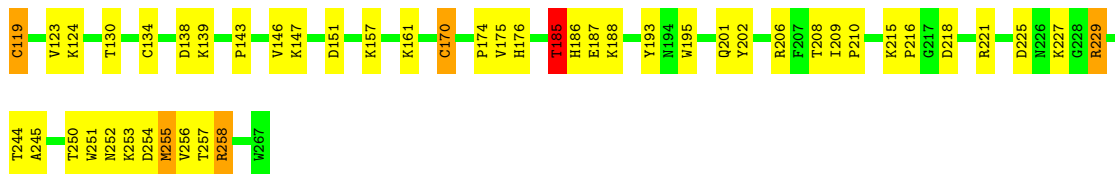
- Molecule 1: SEMLIKI FOREST VIRUS CAPSID PROTEIN

Chain B: 



- Molecule 1: SEMLIKI FOREST VIRUS CAPSID PROTEIN

Chain C: 



4 Data and refinement statistics

Property	Value	Source
Space group	P 1 21 1	Depositor
Cell constants a, b, c, α , β , γ	39.14Å 176.22Å 40.21Å 90.00° 110.36° 90.00°	Depositor
Resolution (Å)	6.00 – 3.00 35.92 – 2.96	Depositor EDS
% Data completeness (in resolution range)	(Not available) (6.00-3.00) 63.6 (35.92-2.96)	Depositor EDS
R_{merge}	0.08	Depositor
R_{sym}	(Not available)	Depositor
$\langle I/\sigma(I) \rangle$ ¹	1.48 (at 2.95Å)	Xtriage
Refinement program	X-PLOR	Depositor
R, R_{free}	0.157 , (Not available) 0.149 , (Not available)	Depositor DCC
R_{free} test set	No test flags present.	DCC
Wilson B-factor (Å ²)	40.9	Xtriage
Anisotropy	0.284	Xtriage
Bulk solvent k_{sol} (e/Å ³), B_{sol} (Å ²)	0.33 , 40.0	EDS
Estimated twinning fraction	0.048 for l,-k,h	Xtriage
L-test for twinning	$\langle L \rangle = 0.49$, $\langle L^2 \rangle = 0.32$	Xtriage
Outliers	0 of 6747 reflections	Xtriage
F_o, F_c correlation	0.92	EDS
Total number of atoms	3429	wwPDB-VP
Average B, all atoms (Å ²)	12.0	wwPDB-VP

Xtriage's analysis on translational NCS is as follows: *The largest off-origin peak in the Patterson function is 5.91% 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: HG

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	0.79	2/1170 (0.2%)	0.90	2/1579 (0.1%)
1	B	0.89	2/1170 (0.2%)	0.94	2/1579 (0.1%)
1	C	0.78	2/1170 (0.2%)	0.85	1/1579 (0.1%)
All	All	0.82	6/3510 (0.2%)	0.90	5/4737 (0.1%)

All (6) bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	B	119	CYS	CB-SG	-17.67	1.52	1.82
1	C	119	CYS	CB-SG	-16.00	1.55	1.82
1	A	119	CYS	CB-SG	-14.04	1.58	1.82
1	A	134	CYS	CB-SG	-11.99	1.61	1.82
1	B	134	CYS	CB-SG	-11.76	1.62	1.82
1	C	134	CYS	CB-SG	-7.55	1.69	1.82

All (5) bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	B	119	CYS	CA-CB-SG	16.79	144.22	114.00
1	A	134	CYS	CA-CB-SG	15.09	141.16	114.00
1	C	134	CYS	CA-CB-SG	12.42	136.36	114.00
1	B	134	CYS	CA-CB-SG	9.90	131.82	114.00
1	A	119	CYS	CA-CB-SG	8.35	129.02	114.00

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	1142	0	1119	52	0
1	B	1142	0	1119	44	0
1	C	1142	0	1119	33	0
2	A	1	0	0	0	0
2	B	1	0	0	0	0
2	C	1	0	0	0	0
All	All	3429	0	3357	123	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 18.

All (123) close contacts within the same asymmetric unit are listed below.

Atom-1	Atom-2	Distance(Å)	Clash(Å)
1:A:157:LYS:HE2	1:A:157:LYS:HA	1.46	0.96
1:C:157:LYS:HA	1:C:157:LYS:HE2	1.53	0.90
1:B:157:LYS:HE2	1:B:157:LYS:HA	1.58	0.84
1:B:141:MET:HG2	1:B:170:CYS:HB3	1.61	0.83
1:A:227:LYS:HB2	1:A:227:LYS:NZ	1.96	0.80
1:C:227:LYS:NZ	1:C:227:LYS:HB2	2.00	0.77
1:A:185:THR:HG22	1:A:229:ARG:HB3	1.70	0.73
1:C:188:LYS:HE3	1:C:250:THR:HG21	1.70	0.72
1:B:139:LYS:HD2	1:B:170:CYS:HB2	1.73	0.70
1:A:227:LYS:HB2	1:A:227:LYS:HZ2	1.55	0.70
1:A:252:ASN:HB2	1:A:255:MET:SD	2.32	0.70
1:C:206:ARG:HH21	1:C:245:ALA:HB2	1.56	0.69
1:B:227:LYS:HB2	1:B:227:LYS:NZ	2.07	0.69
1:A:175:VAL:HG12	1:A:178:ARG:NH1	2.09	0.68
1:A:252:ASN:CB	1:A:255:MET:SD	2.84	0.66
1:B:157:LYS:O	1:C:161:LYS:HE2	1.97	0.65
1:B:239:ASN:ND2	1:B:241:GLY:H	1.94	0.65
1:A:199:ALA:HB2	1:B:192:HIS:CD2	2.31	0.65
1:B:253:LYS:HB3	1:B:255:MET:SD	2.41	0.61
1:B:134:CYS:SG	1:B:136:VAL:CG2	2.88	0.61
1:A:175:VAL:HG12	1:A:178:ARG:CZ	2.32	0.60

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Atom-1	Atom-2	Distance(Å)	Clash(Å)
1:B:257:THR:HG22	1:B:258:ARG:H	1.67	0.59
1:B:227:LYS:HB2	1:B:227:LYS:HZ2	1.66	0.59
1:B:185:THR:HG22	1:B:229:ARG:HB3	1.85	0.59
1:A:123:VAL:HG11	1:A:146:VAL:HG12	1.85	0.58
1:B:188:LYS:HE3	1:B:250:THR:HG21	1.85	0.58
1:C:227:LYS:HZ2	1:C:227:LYS:HB2	1.69	0.57
1:C:208:THR:HG22	1:C:245:ALA:HA	1.85	0.56
1:A:208:THR:HG22	1:A:245:ALA:HA	1.87	0.56
1:C:143:PRO:HB2	1:C:146:VAL:HG23	1.87	0.56
1:A:188:LYS:HE3	1:A:250:THR:HG21	1.87	0.55
1:C:257:THR:HG22	1:C:258:ARG:H	1.71	0.55
1:C:185:THR:HG22	1:C:229:ARG:HB3	1.89	0.55
1:C:206:ARG:NH2	1:C:245:ALA:HB2	2.20	0.55
1:A:253:LYS:HG3	1:A:254:ASP:N	2.21	0.54
1:C:250:THR:HG22	1:C:251:TRP:N	2.23	0.54
1:C:209:ILE:HB	1:C:210:PRO:HD2	1.90	0.53
1:A:227:LYS:NZ	1:A:227:LYS:CB	2.71	0.53
1:C:186:HIS:O	1:C:188:LYS:HG2	2.10	0.52
1:A:252:ASN:HB3	1:A:255:MET:SD	2.49	0.52
1:B:257:THR:HG22	1:B:258:ARG:N	2.26	0.51
1:A:250:THR:HG22	1:A:251:TRP:N	2.26	0.50
1:A:175:VAL:HG12	1:A:178:ARG:NH2	2.25	0.50
1:A:252:ASN:HB2	1:A:255:MET:O	2.10	0.50
1:A:136:VAL:HG12	1:A:141:MET:HG3	1.93	0.50
1:A:257:THR:HG22	1:A:258:ARG:H	1.75	0.50
1:B:134:CYS:SG	1:B:136:VAL:HG23	2.52	0.49
1:B:208:THR:HG22	1:B:245:ALA:HA	1.93	0.49
1:C:124:LYS:HD2	1:C:151:ASP:HB2	1.95	0.49
1:A:143:PRO:HB2	1:A:146:VAL:HG23	1.95	0.49
1:A:188:LYS:CE	1:A:250:THR:HG21	2.42	0.49
1:C:188:LYS:CE	1:C:250:THR:HG21	2.39	0.49
1:C:252:ASN:O	1:C:254:ASP:N	2.46	0.49
1:B:188:LYS:CE	1:B:250:THR:HG21	2.42	0.48
1:B:123:VAL:HG11	1:B:146:VAL:HG12	1.95	0.48
1:B:175:VAL:HA	1:B:178:ARG:HG3	1.96	0.48
1:C:252:ASN:OD1	1:C:255:MET:SD	2.71	0.48
1:B:250:THR:HG22	1:B:251:TRP:N	2.27	0.48
1:C:227:LYS:HB2	1:C:227:LYS:HZ3	1.77	0.48
1:A:162:LYS:NZ	1:A:162:LYS:HB3	2.29	0.47
1:A:130:THR:O	1:A:217:GLY:HA2	2.13	0.47
1:B:185:THR:HG21	1:B:229:ARG:NH1	2.30	0.47
1:B:172:GLN:HE22	1:B:178:ARG:NE	2.12	0.47

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Atom-1	Atom-2	Distance(Å)	Clash(Å)
1:C:257:THR:HG22	1:C:258:ARG:N	2.30	0.47
1:A:254:ASP:OD1	1:A:255:MET:HG3	2.15	0.47
1:B:186:HIS:HD2	1:B:253:LYS:HA	1.79	0.46
1:B:139:LYS:NZ	1:B:170:CYS:SG	2.73	0.46
1:A:199:ALA:HB2	1:B:192:HIS:NE2	2.30	0.46
1:A:255:MET:SD	1:A:255:MET:N	2.89	0.46
1:C:174:PRO:HB2	1:C:176:HIS:CE1	2.51	0.46
1:B:251:TRP:HA	1:B:255:MET:O	2.16	0.46
1:A:199:ALA:HB2	1:B:192:HIS:CE1	2.51	0.46
1:A:143:PRO:HG2	1:A:219:SER:HB3	1.98	0.46
1:C:201:GLN:HG2	1:C:202:TYR:N	2.31	0.46
1:A:205:GLY:O	1:A:206:ARG:HG3	2.16	0.46
1:C:186:HIS:CE1	1:C:188:LYS:NZ	2.85	0.45
1:A:190:GLU:HG2	1:A:203:SER:HA	1.97	0.45
1:A:253:LYS:HD2	1:A:254:ASP:OD1	2.17	0.45
1:A:147:LYS:HD2	1:A:147:LYS:N	2.31	0.45
1:A:257:THR:HG22	1:A:258:ARG:N	2.31	0.45
1:A:192:HIS:CD2	1:B:199:ALA:HB2	2.51	0.45
1:C:147:LYS:HD2	1:C:147:LYS:N	2.32	0.45
1:C:186:HIS:HD1	1:C:252:ASN:HA	1.82	0.45
1:A:124:LYS:HD2	1:A:151:ASP:HB2	2.00	0.44
1:B:175:VAL:HG12	1:B:178:ARG:NH1	2.32	0.44
1:A:172:GLN:HE22	1:A:178:ARG:NH2	2.16	0.44
1:B:145:HIS:CE1	1:B:266:GLU:HG3	2.53	0.44
1:A:172:GLN:HE22	1:A:178:ARG:HH21	1.66	0.44
1:C:139:LYS:HD3	1:C:170:CYS:HB2	1.98	0.43
1:C:186:HIS:CE1	1:C:188:LYS:HZ3	2.35	0.43
1:B:227:LYS:CB	1:B:227:LYS:NZ	2.79	0.43
1:A:227:LYS:HZ1	1:A:229:ARG:CZ	2.32	0.43
1:B:239:ASN:HD22	1:B:240:GLU:N	2.16	0.43
1:B:125:HIS:CE1	1:B:126:GLU:HG3	2.54	0.43
1:A:199:ALA:HB2	1:B:192:HIS:CG	2.53	0.43
1:A:231:VAL:O	1:A:250:THR:HG23	2.18	0.43
1:A:188:LYS:NZ	1:A:250:THR:HG21	2.34	0.43
1:B:157:LYS:HA	1:B:157:LYS:CE	2.39	0.43
1:B:130:THR:O	1:B:217:GLY:HA2	2.19	0.42
1:B:147:LYS:N	1:B:147:LYS:HD2	2.34	0.42
1:C:123:VAL:HG11	1:C:146:VAL:HG12	1.99	0.42
1:A:238:ALA:HB2	1:A:264:SER:HA	2.02	0.42
1:B:243:ARG:NH1	1:B:243:ARG:HG2	2.34	0.42
1:B:205:GLY:O	1:B:206:ARG:HG3	2.20	0.42
1:A:165:LYS:O	1:A:258:ARG:NH1	2.52	0.42

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Atom-1	Atom-2	Distance(Å)	Clash(Å)
1:B:196:HIS:ND1	1:B:221:ARG:NH2	2.67	0.42
1:A:157:LYS:CA	1:A:157:LYS:HE2	2.33	0.42
1:C:225:ASP:OD2	1:C:229:ARG:HB2	2.19	0.42
1:C:250:THR:O	1:C:257:THR:N	2.53	0.42
1:B:247:SER:HA	1:B:259:VAL:O	2.20	0.42
1:A:157:LYS:CE	1:A:157:LYS:HA	2.30	0.42
1:A:253:LYS:HD2	1:A:254:ASP:HB3	2.01	0.42
1:A:185:THR:CG2	1:A:229:ARG:HB3	2.46	0.41
1:C:218:ASP:OD1	1:C:221:ARG:HD2	2.20	0.41
1:C:186:HIS:C	1:C:186:HIS:CD2	2.93	0.41
1:B:143:PRO:HB2	1:B:146:VAL:HG23	2.03	0.41
1:A:255:MET:SD	1:A:255:MET:O	2.79	0.40
1:B:134:CYS:SG	1:B:136:VAL:HG22	2.59	0.40
1:C:193:TYR:N	1:C:193:TYR:CD1	2.89	0.40
1:B:227:LYS:HZ1	1:B:229:ARG:CZ	2.34	0.40
1:A:175:VAL:HG12	1:A:178:ARG:HH12	1.85	0.40
1:A:136:VAL:O	1:A:136:VAL:HG13	2.21	0.40
1:A:174:PRO:O	1:A:178:ARG:HG3	2.21	0.40

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	147/149 (99%)	133 (90%)	14 (10%)	0	100	100
1	B	147/149 (99%)	136 (92%)	9 (6%)	2 (1%)	16	60
1	C	147/149 (99%)	134 (91%)	10 (7%)	3 (2%)	11	48
All	All	441/447 (99%)	403 (91%)	33 (8%)	5 (1%)	21	67

All (5) Ramachandran outliers are listed below:

Mol	Chain	Res	Type
1	C	253	LYS

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Mol	Chain	Res	Type
1	B	253	LYS
1	C	185	THR
1	C	187	GLU
1	B	213	ALA

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	120/120 (100%)	109 (91%)	11 (9%)	13	46
1	B	120/120 (100%)	105 (88%)	15 (12%)	7	28
1	C	120/120 (100%)	106 (88%)	14 (12%)	8	31
All	All	360/360 (100%)	320 (89%)	40 (11%)	9	34

All (40) residues with a non-rotameric sidechain are listed below:

Mol	Chain	Res	Type
1	A	119	CYS
1	A	155	LEU
1	A	170	CYS
1	A	172	GLN
1	A	185	THR
1	A	195	TRP
1	A	229	ARG
1	A	252	ASN
1	A	253	LYS
1	A	255	MET
1	A	258	ARG
1	B	119	CYS
1	B	128	LYS
1	B	130	THR
1	B	134	CYS
1	B	155	LEU
1	B	157	LYS
1	B	170	CYS
1	B	186	HIS

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Mol	Chain	Res	Type
1	B	195	TRP
1	B	216	PRO
1	B	229	ARG
1	B	252	ASN
1	B	254	ASP
1	B	256	VAL
1	B	258	ARG
1	C	119	CYS
1	C	130	THR
1	C	138	ASP
1	C	170	CYS
1	C	175	VAL
1	C	185	THR
1	C	195	TRP
1	C	215	LYS
1	C	216	PRO
1	C	229	ARG
1	C	244	THR
1	C	255	MET
1	C	256	VAL
1	C	258	ARG

Some sidechains can be flipped to improve hydrogen bonding and reduce clashes. All (7) such sidechains are listed below:

Mol	Chain	Res	Type
1	A	172	GLN
1	A	239	ASN
1	B	197	HIS
1	B	239	ASN
1	C	197	HIS
1	C	239	ASN
1	C	252	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 3 ligands modelled in this entry, 3 are monoatomic - 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.

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	149/149 (100%)	-0.47	0 100 100	2, 11, 25, 36	0
1	B	149/149 (100%)	-0.46	0 100 100	2, 9, 23, 31	0
1	C	149/149 (100%)	-0.44	0 100 100	3, 14, 28, 35	0
All	All	447/447 (100%)	-0.46	0 100 100	2, 11, 25, 36	0

There are no RSRZ outliers to report.

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
2	HG	C	273	1/1	0.06	-2.27	35,35,35,35	0
2	HG	A	272	1/1	0.06	-2.34	33,33,33,33	0
2	HG	B	271	1/1	0.07	-2.35	25,25,25,25	0

6.5 Other polymers ⓘ

There are no such residues in this entry.