Full wwPDB EM Validation Report (i)

Apr 16, 2024 – 08:05 am BST

EMDB ID	:	EMD-10656
Title	:	E. coli 70S ribosome in complex with dirithromycin, and deacylated tRNA(iMet) (focused classification).
Authors	:	Pichkur, E.B.; Polikanov, Y.S.
Deposited on	:	2020-02-03
Resolution	:	2.66 Å(reported)

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

We welcome your comments at *validation@mail.wwpdb.org*
A user guide is available at
https://www.wwpdb.org/validation/2017/EMMapValidationReportHelp
with specific help available everywhere you see the (i) symbol.

The types of validation reports are described at
http://www.wwpdb.org/validation/2017/FAQs#types.

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

EMDB validation analysis	:	0.0.1.dev92
Validation Pipeline (wwPDB-VP)	:	2.36

1   Experimental information ⓘ

Property	Value	Source
EM reconstruction method	SINGLE PARTICLE	Depositor
Imposed symmetry	POINT, C1	Depositor
Number of particles used	66269	Depositor
Resolution determination method	FSC 0.143 CUT-OFF	Depositor
CTF correction method	Not provided	
Microscope	FEI TITAN KRIOS	Depositor
Voltage (kV)	300	Depositor
Electron dose $(e^-/\text{Å}^2)$	80.0	Depositor
Minimum defocus (nm)	0.3	Depositor
Maximum defocus (nm)	2.2	Depositor
Magnification	75000.0	Depositor
Image detector	FEI FALCON II (4k x 4k)	Depositor

2 Map visualisation ⓘ

This section contains visualisations of the EMDB entry EMD-10656. These allow visual inspection of the internal detail of the map and identification of artifacts.

No raw map or half-maps were deposited for this entry and therefore no images, graphs, etc. pertaining to the raw map can be shown.

2.1 Orthogonal projections ⓘ

This section was not generated.

2.2 Central slices ⓘ

This section was not generated.

2.3 Largest variance slices ⓘ

This section was not generated.

2.4 Orthogonal standard-deviation projections (False-color) ⓘ

This section was not generated.

2.5 Orthogonal surface views ⓘ

This section was not generated.

2.6 Mask visualisation ⓘ

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

3 Map analysis ⓘ

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

3.1 Map-value distribution ⓘ

This section was not generated.

3.2 Volume estimate versus contour level ⓘ

This section was not generated.

3.3 Rotationally averaged power spectrum ⓘ

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

4 Fourier-Shell correlation ⓘ

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