W O R L D W I D E
wwPDB
P R O T E I N D A T A B A N K

wwPDB EM Validation Summary Report ⓘ

Apr 16, 2024 – 08:30 am BST

EMDB ID	:	EMD-11761
Title	:	Bacterial 30S ribosomal subunit assembly complex state A (head domain)
Authors	:	Schedlbauer, A.; Iturrioz, I.
Deposited on	:	2020-09-19
Resolution	:	3.44 Å(reported)

This is a wwPDB EM Validation Summary 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 ⓘ 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 ⓘ) 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	19301	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 $(e^-/\text{Å}^2)$	46.1	Depositor
Minimum defocus (nm)	Not provided	
Maximum defocus (nm)	Not provided	
Magnification	Not provided	
Image detector	GATAN K2 SUMMIT (4k x 4k)	Depositor

2 Map visualisation ⓘ

This section contains visualisations of the EMDB entry EMD-11761. 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.

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.