Full wwPDB EM Map Validation Report (i)

Dec 9, 2020 – 01:44 pm GMT

EMDB ID	:	EMD-8799
Title	:	Yeast 80S ribosome derived from EMPIAR-10045 using emClarity
Authors	:	, Himes.BA.; , Zhang.P.
Deposited on	:	2017-06-30
Resolution	:	7.80 Å(reported)

This is a Full wwPDB EM Map 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 following versions of software and data (see references (1)) were used in the production of this report:

EMDB validation analysis	:	FAILED
Validation Pipeline (wwPDB-VP)	:	2.13

1 Experimental information (i)

Property	Value	Source
EM reconstruction method	subtomogramAveraging	Depositor
Imposed symmetry	POINT, C1	Depositor
Number of images used	3120	Depositor
Resolution determination method	FSC 0.143 CUT-OFF	Depositor
CTF correction method	Phases were corrected on the projections by multiplication of the astigmatic-CTF determined in emClarity in tiles of 320 sq pix with a strip replacement that depended on the tilt angle.	Depositor
Microscope	FEI TITAN KRIOS	Depositor
Voltage (kV)	300	Depositor
Electron dose ($e^-/Å^2$)	2.0	Depositor
Minimum defocus (nm)	3.0	Depositor
Maximum defocus (nm)	5.0	Depositor
Magnification	53000.0	Depositor
Image detector	GATAN K2 SUMMIT (4k x 4k)	Depositor