



## Full wwPDB EM Map Validation Report ⓘ

Dec 7, 2020 – 04:00 pm GMT

EMDB ID : EMD-0484  
Title : Role of Era in Assembly and Homeostasis of the Ribosomal Small Subunit  
Authors : Ortega, J.; Davis, J.H.; Hao, Y.; Jahagirdar, D.; Thurlow, B.; Basu, K.; Jain, N.; Gomez-Blanco, J.; Britton, R.A.; Vargas, J.; Guarne, A.; Woodson, S.A.; Williamson, J.R.; Ortega, J.  
Deposited on : 2019-01-20  
Resolution : 3.50 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](mailto: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.

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

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

# 1 Experimental information

Property	Value	Source
EM reconstruction method	SINGLE PARTICLE	Depositor
Imposed symmetry	POINT, C1	Depositor
Number of particles used	309949	Depositor
Resolution determination method	FSC 0.143 CUT-OFF	Depositor
CTF correction method	Not provided	Depositor
Microscope	FEI TITAN KRIOS	Depositor
Voltage (kV)	300	Depositor
Electron dose ( $e^-/\text{\AA}^2$ )	28.0	Depositor
Minimum defocus (nm)	1.25	Depositor
Maximum defocus (nm)	2.75	Depositor
Magnification	75000.	Depositor
Image detector	FEI FALCON II (4k x 4k)	Depositor