



Full wwPDB EM Map Validation Report ⓘ

Dec 9, 2020 – 12:39 pm GMT

EMDB ID : EMD-5375
Title : Direct electron detection yields cryo-EM reconstructions at resolutions beyond .75 Nyquist frequency
Authors : , Bammes.BE.; , Rochat.RH.; , Jakana.J.; , Chen.D.; , Chiu.W.
Deposited on : 2011-12-20
Resolution : 8.50 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

A user guide is available at

<https://www.wwpdb.org/validation/2017/EMMapValidationReportHelp>

with specific help available everywhere you see the ⓘ symbol.

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	singleParticle	Depositor
Imposed symmetry	Not Provided	Depositor
Number of images used	7500	Depositor
Resolution determination method	FSC 0.5 CUT-OFF	Depositor
CTF correction method	Each Micrograph	Depositor
Microscope	JEOL 2010F	Depositor
Voltage (kV)	200	Depositor
Electron dose ($e^-/\text{\AA}^2$)	17	Depositor
Minimum defocus (nm)	2.0	Depositor
Maximum defocus (nm)	5.0	Depositor
Magnification	17200.0	Depositor
Image detector	DIRECT ELECTRON DE-12 (4k x 3k)	Depositor