



Full wwPDB EM Map Validation Report ⓘ

Dec 9, 2020 – 12:31 pm GMT

EMDB ID : EMD-5337
Title : Unprocessed map of GroEL obtained with a DDD camera to compare results from cryo SPA with a CCD camera using the same grid. Initial evaluation of a Direct Detection Device detector for single particle cryo-electron microscopy.
Authors : , Milazzo.AC.; , Cheng.A.; , Moeller.A.; , Lyumkis.D.; , Jacovetty.E.; , Polukas.J.; , Ellisman.MH.; , Xuong.NH.; , Carragher.B.; , Potter.CS.
Deposited on : 2011-08-30
Resolution : 6.70 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	30711	Depositor
Resolution determination method	FSC 0.5 CUT-OFF	Depositor
CTF correction method	CTF correction of each particle	Depositor
Microscope	FEI TECNAI F20	Depositor
Voltage (kV)	200	Depositor
Electron dose ($e^-/\text{\AA}^2$)	20	Depositor
Minimum defocus (nm)	0.8	Depositor
Maximum defocus (nm)	2.5	Depositor
Magnification	43796.0	Depositor
Image detector	DIRECT ELECTRON DE-12 (4k x 3k)	Depositor