



## wwPDB EM Map Validation Summary Report ⓘ

Dec 9, 2020 – 12:33 pm GMT

EMDB ID : EMD-5338  
Title : High resolution map of GroEL obtained with a DDD camera. 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 : 6.10 Å(reported)

This is a wwPDB EM Map Validation Summary 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	singleParticle	Depositor
Imposed symmetry	Not Provided	Depositor
Number of images used	72316	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