



## wwPDB EM Map Validation Summary 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 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                | 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 |