



## Full wwPDB EM Map Validation Report ⓘ

Dec 9, 2020 – 11:09 am GMT

EMDB ID : EMD-20757  
Title : Negative stain 3D reconstruction of PilU with C1 symmetry  
Authors : , Chlebek.JL.; , Wang.JC.; , Dalia.AB.  
Deposited on : 2019-09-24  
Resolution : 16.60 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.

---

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                     | POINT, C1                       | Depositor |
| Number of images used                | 45204                           | Depositor |
| Resolution determination method      | FSC 0.143 CUT-OFF               | Depositor |
| CTF correction method                | Not provided                    | Depositor |
| Microscope                           | JEOL 3200FS                     | Depositor |
| Voltage (kV)                         | 300                             | Depositor |
| Electron dose ( $e^-/\text{\AA}^2$ ) | 30.0                            | Depositor |
| Minimum defocus (nm)                 | Not provided                    | Depositor |
| Maximum defocus (nm)                 | Not provided                    | Depositor |
| Magnification                        | Not provided                    | Depositor |
| Image detector                       | DIRECT ELECTRON DE-64 (8k x 8k) | Depositor |