



## wwPDB EM Map Validation Summary Report ⓘ

Dec 9, 2020 – 11:30 am GMT

EMDB ID : EMD-22059  
Title : Clustered protocadherin partially open conformation  
Authors : , Bepler.T.; , Kelley.K.; , Noble.AJ.; , Berger.B.  
Deposited on : 2020-05-26  
Resolution : 12.54 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                     | POINT, C1                  | Depositor |
| Number of images used                | 8134                       | Depositor |
| Resolution determination method      | FSC 0.143 CUT-OFF          | Depositor |
| CTF correction method                | Not provided               | Depositor |
| Microscope                           | FEI TITAN KRIOS            | Depositor |
| Voltage (kV)                         | 300                        | Depositor |
| Electron dose ( $e^-/\text{\AA}^2$ ) | 67.12                      | Depositor |
| Minimum defocus (nm)                 | Not provided               | Depositor |
| Maximum defocus (nm)                 | Not provided               | Depositor |
| Magnification                        | Not provided               | Depositor |
| Image detector                       | GATAN K2 QUANTUM (4k x 4k) | Depositor |