



Full wwPDB EM Validation Report ⓘ

Feb 26, 2025 – 12:21 am GMT

EMDB ID : EMD-18159
Title : Focused map of the 40S ribosomal subunit head of the Gallus gallus (rotated)
Authors : Nurullina, L.; Jenner, L.; Myasnikov, A.; Yusupov, M.
Deposited on : 2023-08-08
Resolution : 2.90 Å(reported)

This is a Full wwPDB EM 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 types of validation reports are described at

<http://www.wwpdb.org/validation/2017/FAQs#types>.

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) : 2.41

1 Experimental information

| Property | Value | Source |
|--------------------------------------|-------------------------|-----------|
| EM reconstruction method | SINGLE PARTICLE | Depositor |
| Imposed symmetry | Not Provided | |
| Number of particles used | 100204 | Depositor |
| Resolution determination method | FSC 3 SIGMA CUT-OFF | Depositor |
| CTF correction method | Not provided | |
| Microscope | FEI TITAN KRIOS | Depositor |
| Voltage (kV) | 300 | Depositor |
| Electron dose ($e^-/\text{\AA}^2$) | 40.0 | Depositor |
| Minimum defocus (nm) | 0.3 | Depositor |
| Maximum defocus (nm) | 1.5 | Depositor |
| Magnification | 96000.0 | Depositor |
| Image detector | FEI FALCON IV (4k x 4k) | Depositor |