# wwPDB EM Validation Summary Report (i)

Nov 7, 2023 – 12:14 am GMT

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|---|---|---|
| EMDB ID | : | EMD-15961 |
| Title | : | Cryo-EM Structure of a BmSF-TAL - Sulfofructose Schiff Base Complex |
| Authors | : | Snow, A.J.D.; Sharma, M.; Blaza, J.; Davies, G.J. |
| Deposited on | : | 2022-10-14 |
| Resolution | : | 2.10 Å(reported) |

This is a wwPDB EM Validation Summary 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 (i) 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 (1)) were used in the production of this report:

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|---|---|---|
| EMDB validation analysis | : | 0.0.1.dev70 |
| Validation Pipeline (wwPDB-VP) | : | 2.36 |

# 1 Experimental information (i)

| Property | Value | Source |
|---|---|---|
| EM reconstruction method | SINGLE PARTICLE | Depositor |
| Imposed symmetry | POINT, D5 | Depositor |
| Number of particles used | 53450 | Depositor |
| Resolution determination method | FSC 0.143 CUT-OFF | Depositor |
| CTF correction method | Not provided | |
| Microscope | TFS GLACIOS | Depositor |
| Voltage (kV) | 200 | Depositor |
| Electron dose ($e^-/Å^2$) | 50.0 | Depositor |
| Minimum defocus (nm) | 2.0 | Depositor |
| Maximum defocus (nm) | 1.0 | Depositor |
| Magnification | 310000.0 | Depositor |
| Image detector | FEI FALCON IV (4k x 4k) | Depositor |

# 2 Map visualisation (i)

This section contains visualisations of the EMDB entry EMD-15961. These allow visual inspection of the internal detail of the map and identification of artifacts.

Images derived from a raw map, generated by summing the deposited half-maps, are presented below the corresponding image components of the primary map to allow further visual inspection and comparison with those of the primary map.

## 2.1 Orthogonal projections (i)

This section was not generated.

## 2.2 Central slices (i)

This section was not generated.

## 2.3 Largest variance slices (i)

This section was not generated.

## 2.4 Orthogonal standard-deviation projections (False-color) (i)

This section was not generated.

## 2.5 Orthogonal surface views (i)

This section was not generated.

## 2.6 Mask visualisation (i)

This section was not generated. No masks/segmentation were deposited.

# 3 Map analysis (i)

This section contains the results of statistical analysis of the map.

## 3.1 Map-value distribution (i)

This section was not generated.

## 3.2 Volume estimate versus contour level (i)

This section was not generated.

## 3.3 Rotationally averaged power spectrum (i)

This section was not generated. The rotationally averaged power spectrum had issues being displayed.

# 4 Fourier-Shell correlation (i)

This section was not generated. No FSC curve or half-maps provided.