



# wwPDB EM Map Validation Summary Report ⓘ

Dec 9, 2020 – 11:23 am GMT

EMDB ID : EMD-21952  
Title : Subtomogram average of ribosomes from tomograms of cryoFIB-SEM-generated lamellae of yeast cells under heat shock stress.  
Authors : , Wu.GH.; , Mitchell.PG.; , Galaz-Montoya.JG.; , Hecksel.CW.; , Sontag.EM.; , Gangadharan.V.; , Marshman.J.; , Mankus.D.; , Bisher.ME.; , Lytton-Jean.AKR.; , Frydman.J.; , Czymmek.K.; , Chiu.W.  
Deposited on : 2020-05-10  
Resolution : 21.00 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	subtomogramAveraging	Depositor
Imposed symmetry	POINT, C1	Depositor
Number of images used	1459	Depositor
Resolution determination method	FSC 0.143 CUT-OFF	Depositor
CTF correction method	3D CTF correction	Depositor
Microscope	TFS KRIOS	Depositor
Voltage (kV)	300	Depositor
Electron dose ( $e^-/\text{\AA}^2$ )	0.8264	Depositor
Minimum defocus (nm)	Not provided	Depositor
Maximum defocus (nm)	Not provided	Depositor
Magnification	Not provided	Depositor
Image detector	GATAN K2 SUMMIT (4k x 4k)	Depositor