



## Full wwPDB EM Validation Report ⓘ

Sep 3, 2022 – 08:49 am BST

EMDB ID : EMD-14497  
Title : SpCas9 bound to 14-nucleotide complementary DNA substrate  
Authors : Pacesa, M.; Jinek, M.  
Deposited on : 2022-03-03  
Resolution : 3.49 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](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 types of validation reports are described at <http://www.wwpdb.org/validation/2017/FAQs#types>.

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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) : 2.30

# 1 Experimental information

Property	Value	Source
EM reconstruction method	SINGLE PARTICLE	Depositor
Imposed symmetry	Not Provided	
Number of particles used	75738	Depositor
Resolution determination method	FSC 0.143 CUT-OFF	Depositor
CTF correction method	Not provided	
Microscope	FEI TITAN KRIOS	Depositor
Voltage (kV)	300	Depositor
Electron dose ( $e^-/\text{\AA}^2$ )	67.44	Depositor
Minimum defocus (nm)	1.0	Depositor
Maximum defocus (nm)	2.4	Depositor
Magnification	Not provided	
Image detector	GATAN K3 (6k x 4k)	Depositor