

**Table S3 Electron microscopy and model building information, Related to Figure 2**

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<b>Data collection</b>	
EM equipment	FEI Titan Krios
Acceleration voltage	300 kV
Detector	FEI Falcon III
Pixel size	1.16 Å
Electron dose	40 e-/Å <sup>2</sup>
Defocus range	0.8 – 4 μm
<b>Reconstruction</b>	
Software	RELION
Number of Particles (in high-resolution structure)	308,163
Accuracy of rotation	1.0 °
Accuracy of translation	0.7 pixel
Final resolution	3.4 Å
<b>Model building</b>	
Software	COOT
<b>Refinement</b>	
Software	PHENIX
Map sharpening B-factor	-178.0
<b>Model composition</b>	
Protein residues	8183
RNA nucleotides	275
GTP	1

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**Validation**

## RMS deviation

Bond length 0.007

Bond angle 1.252

## Ramachandran plot statistics

Preferred 84.63

Allowed 15.03

Outlier 0.33

Clash score 5.81

MolProbity score 1.98

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