

BAG report_Cusack_Kouba (07/05/21 – 09/05/21)

The cryo-EM data was collected on the proposed RNA-Thogoto viral polymerase in complex with specific viral RNA. Altogether, we obtained ~8250 movies.

Two main 3D classes of the target RNA-Thogoto viral polymerase complex were identified and refined to ~3.2 Å resolution at the 0.143 gold standard Fourier Shell Correlation cut off.

The cryo-EM data allowed to build atomic models of the complex. The data revealed the RNA-Thogoto viral polymerase complex in a novel conformation.

The data are awaiting publication.