Figure 1. Cryo-EM grid preparation. Sample images of the assembled IC on Quantifoil R1.2/1.3 Copper grids using the Atlas (A), Grid Square (B), Foil hole (C) and Data Acquisition (D) presets captured in EPU cryo-EM imaging software.
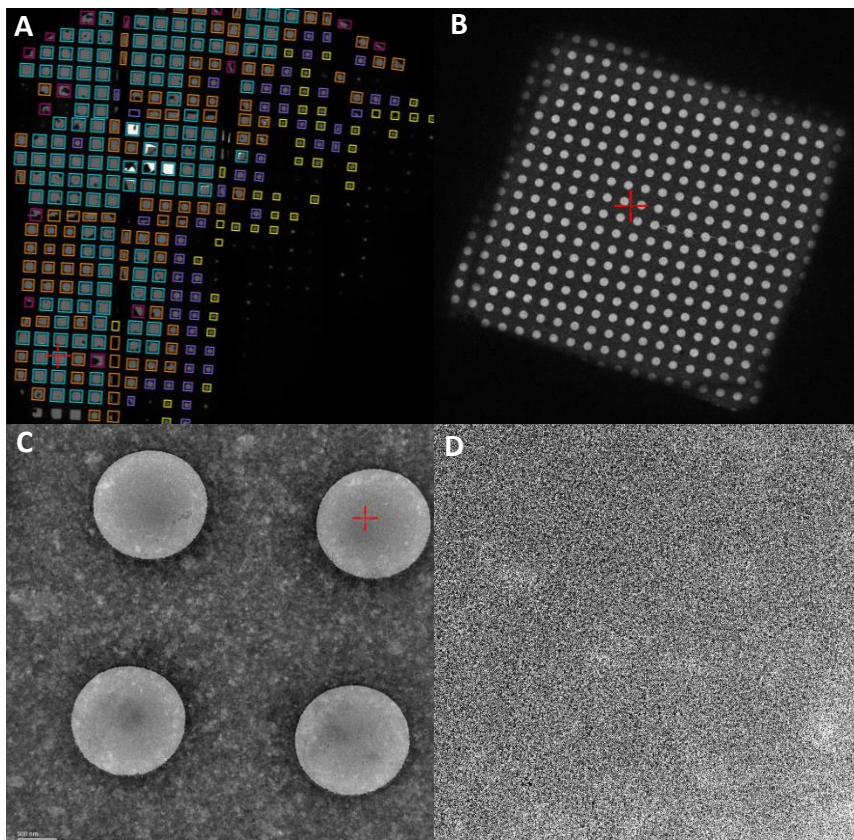

Figure 1. Cryo-EM grid preparation. Sample images of the assembled IC on UltraAuFoil R1.2/1.3 gold grids. Images depicted the same as in Figure 1.
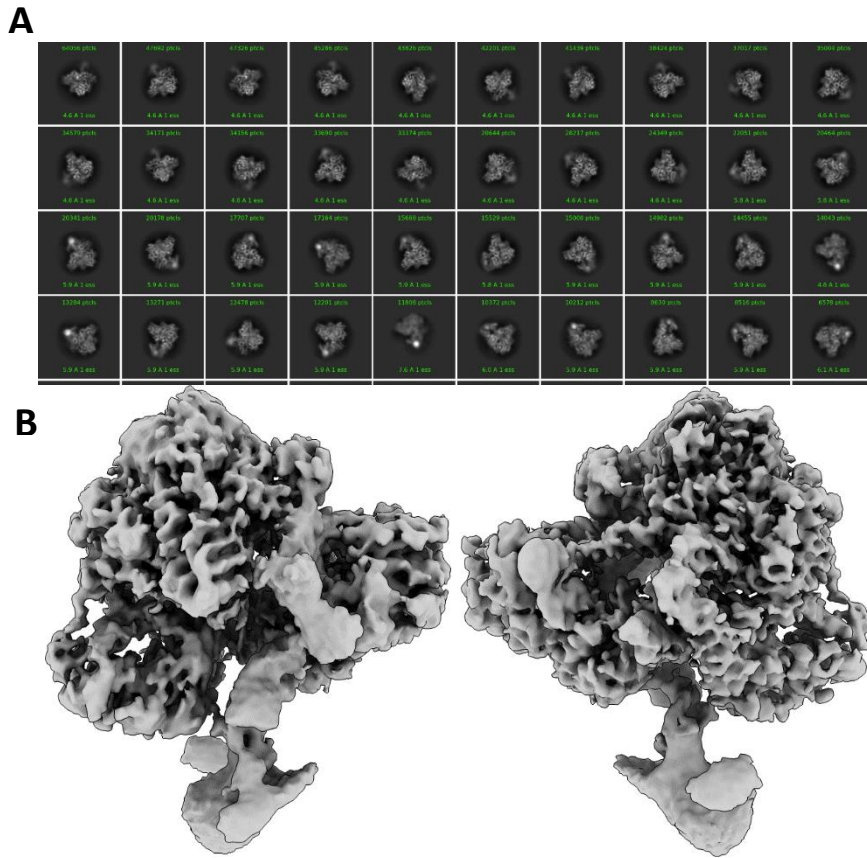
A

B

Figure 3. The most populated classes from 2D classification of selected particles containing the full initiation complex (A) from GUP1 data collection. (B) High resolution 3D-reconstruction of particles depicting 2 major orientations (2.7 Å).
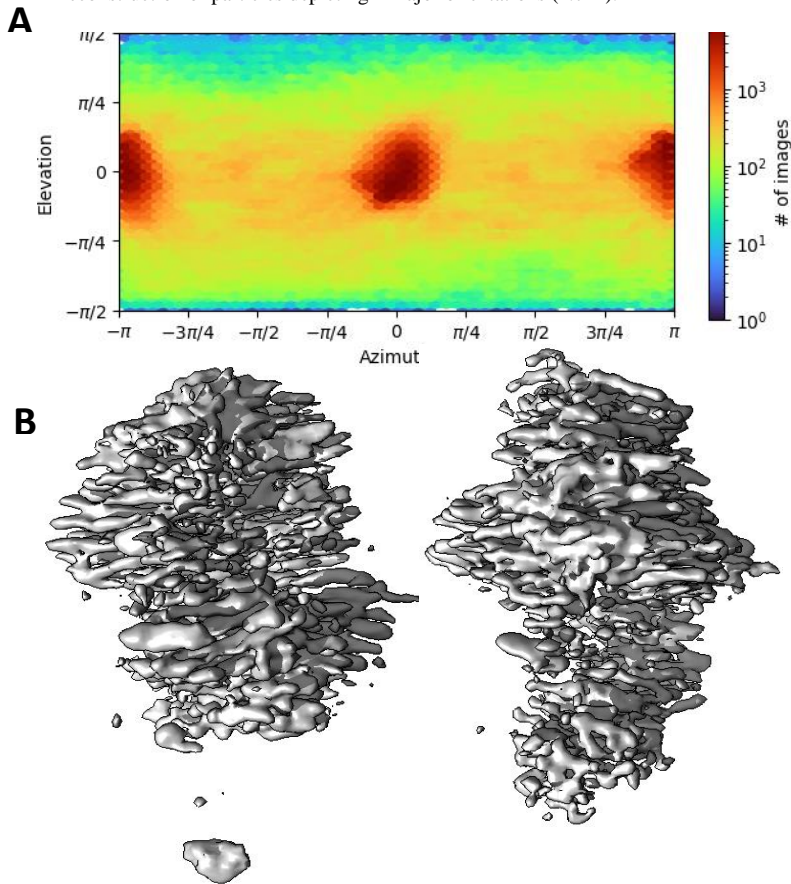
A

B

Figure 4. Orientation bias of GUP1 collected data. (B) The High resolution 3D-reconstruction of the same particles as in Figure 3 depicting orientation bias as evidenced by the "streaking" of electron map density (2.7 Å).