



Figure 1. Them1 purification and analysis through negative stain and cryo-EM images. **A.** SEC of Them1 on a S200 16/60 column. Dotted line shows sizing standards. Them1 (blue) elutes as homotrimer. **B.** AUC run of Them1. Them1 is homogenous trimeric complex. **C.** SDS-PAGE of Them1 purification. Them1 is fully purified following SEC. **D.** Preliminary cryo-EM image of Them1 obtained on JEOL JEM1400. **E.** 2D class averages from preliminary cryo-EM data collection on Talos Arctica 200 kV – K2 instrument. **F.** 2D class averages from negative stain EM reveal a internal timeric core with flanking START domains, similar to cryo-EM class averages.