

Figure 1: Size exclusion chromatography of GdpP74 (a) and SDS-PAGE gel (b) of the peak fractions. **a:** Elution positions of the molecular standards are marked by the solid lines with the corresponding molecular weight on the top. Elution volume (77.1 ml) of GdpP74 is highlighted with a dashed line, indicating that the apparent molecular weight of GdpP74 is calculated to be 264.3 kDa. **b:** The dominant band is in between 75 and 50 kDa, aligning with the fact that GdpP74 monomer is 65 kDa.

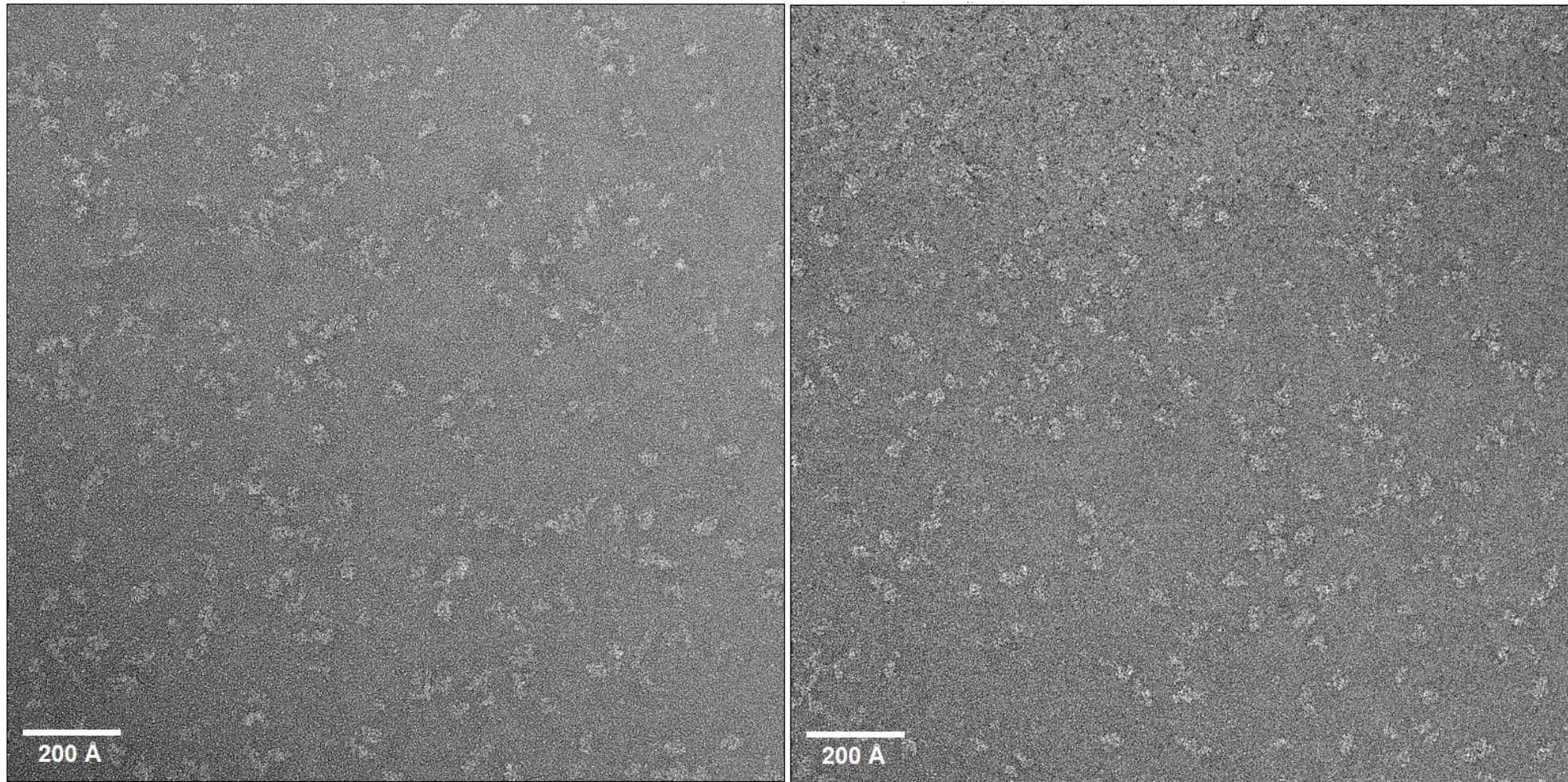
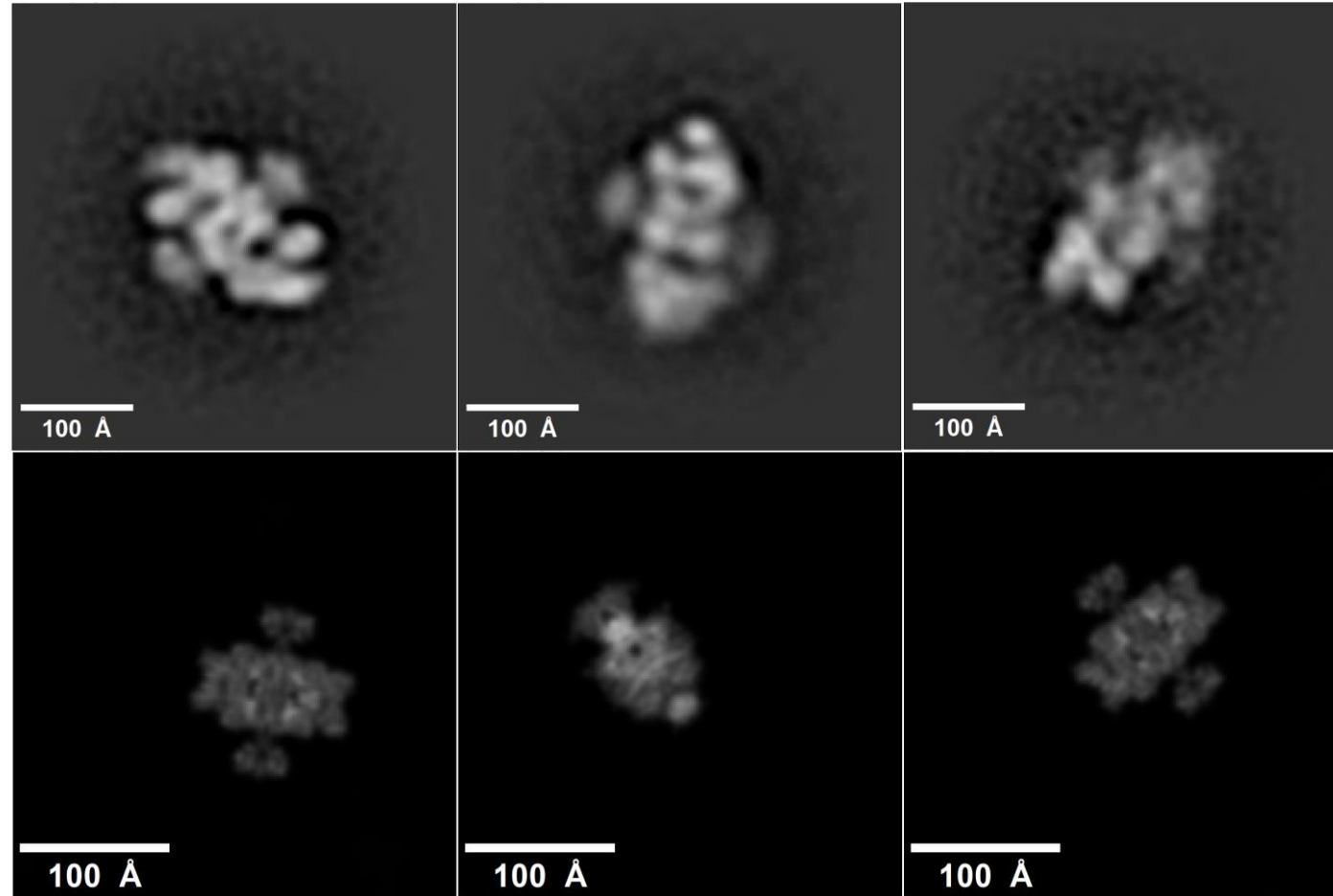


Figure2: Negative staining micrographs of GdpP₇₄ using 2% uranyl acetate.

**Class averages from
negative stain**



**Projections from
Alphafold model**

Figure3: 2D class averages of GdpP₇₄ from negative stain (top panel) and projections of GdpP₇₄ tetramer model predicted using AlphaFold (bottom panel). The atomic model is low-pass filtered to 10 Å for the sake of comparison.

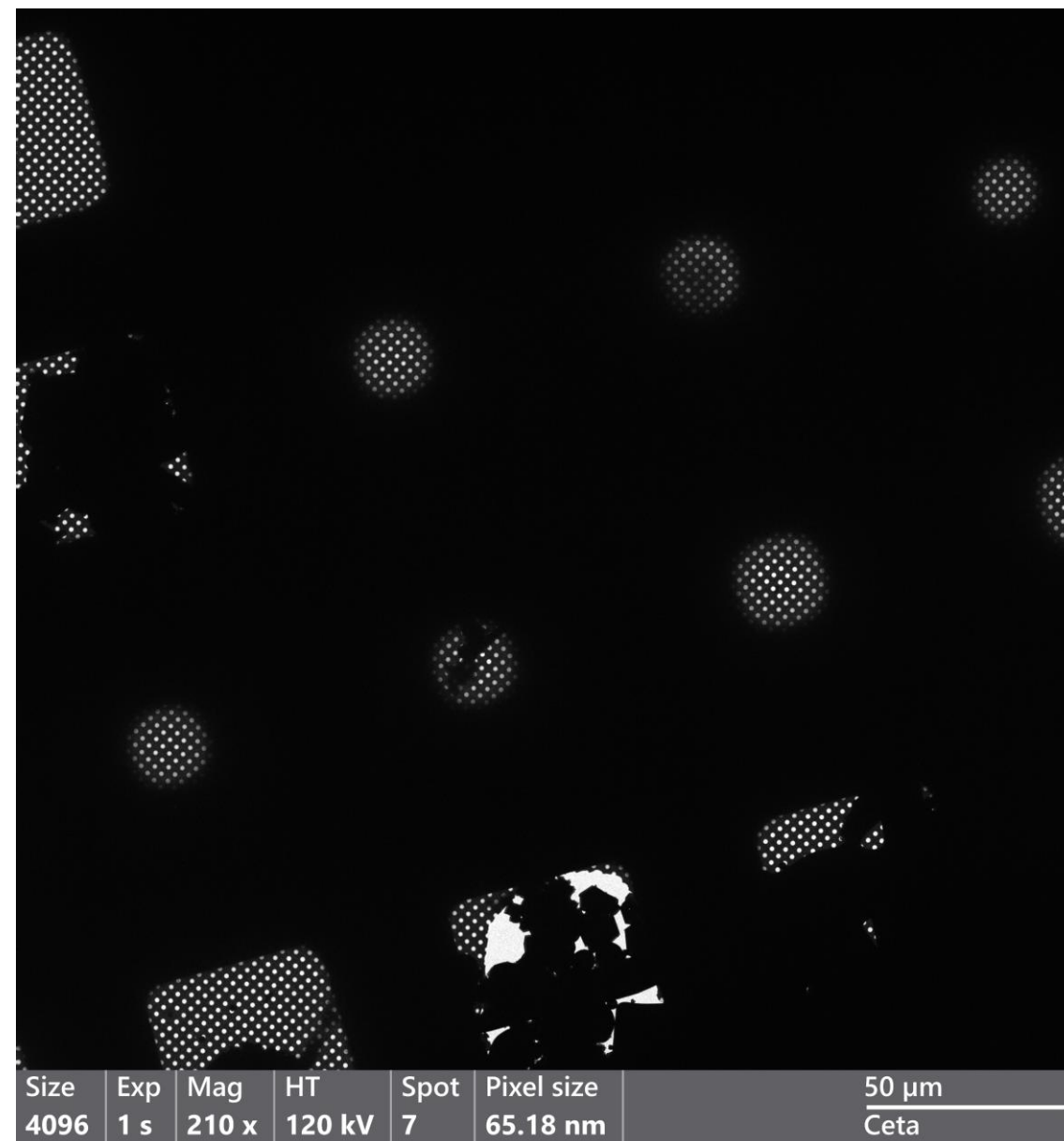
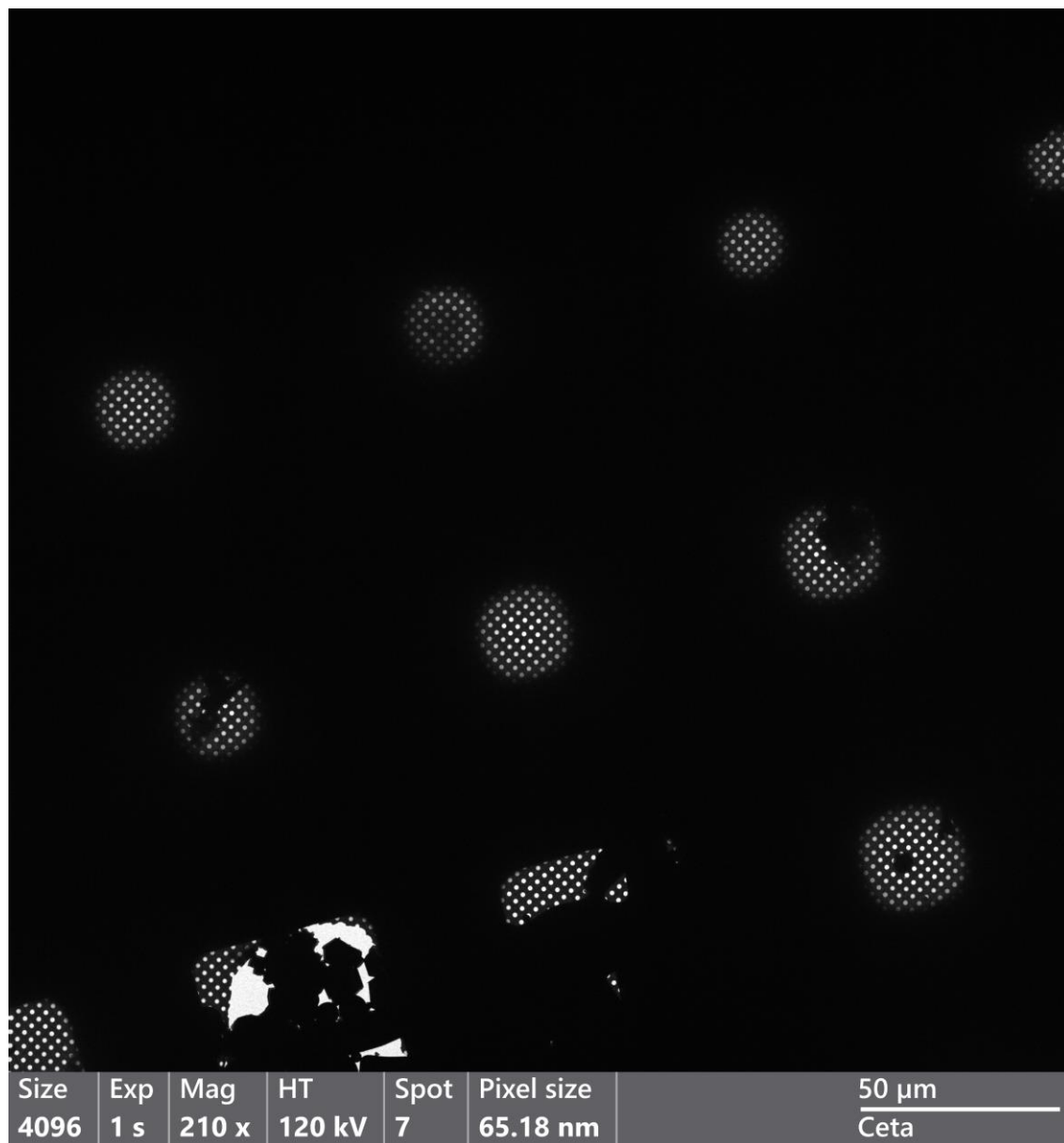


Figure4: Grid squares from the GdpP₇₄ Cryo-grids. Images were taken using a Talos 120Kv.

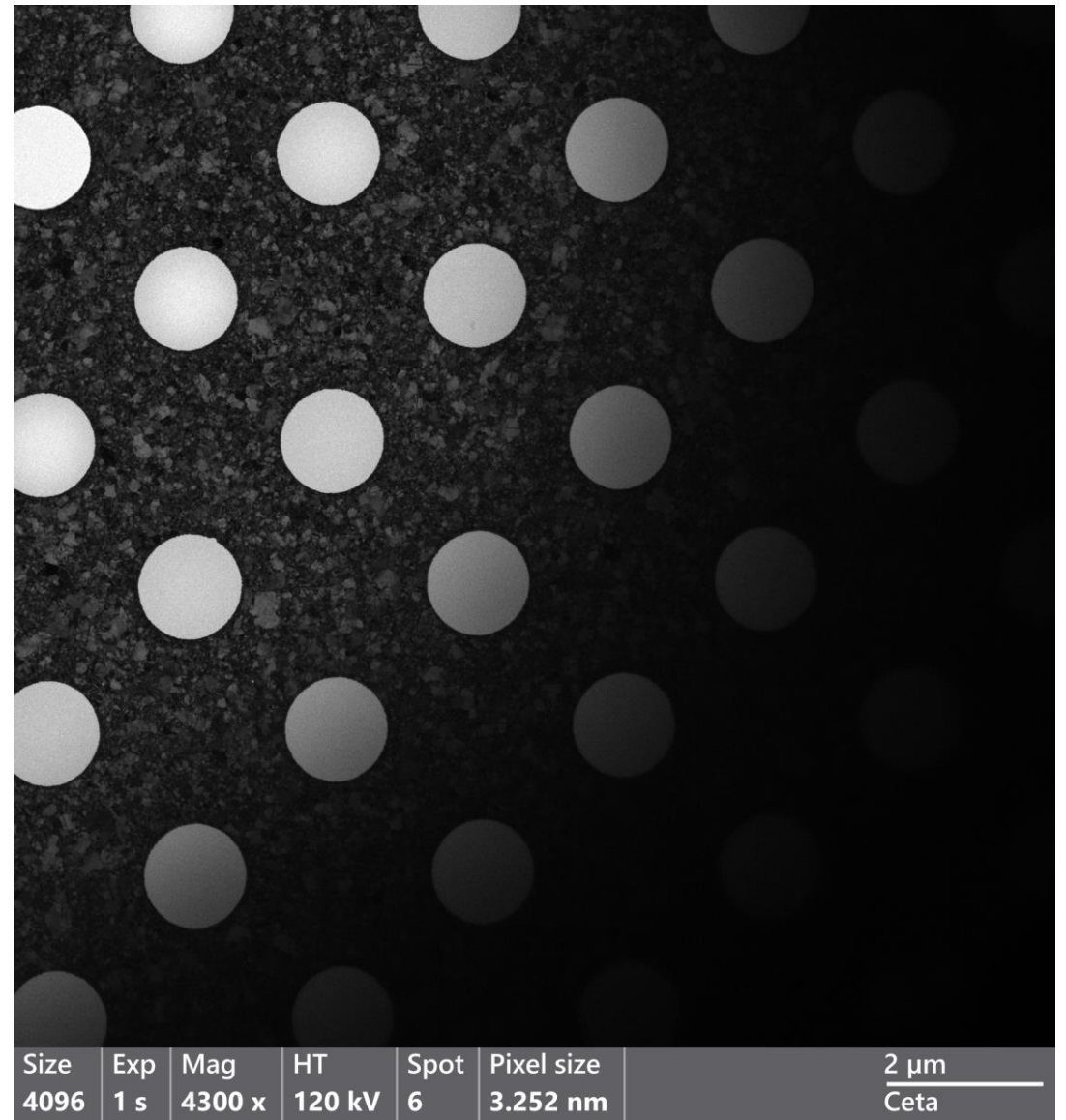
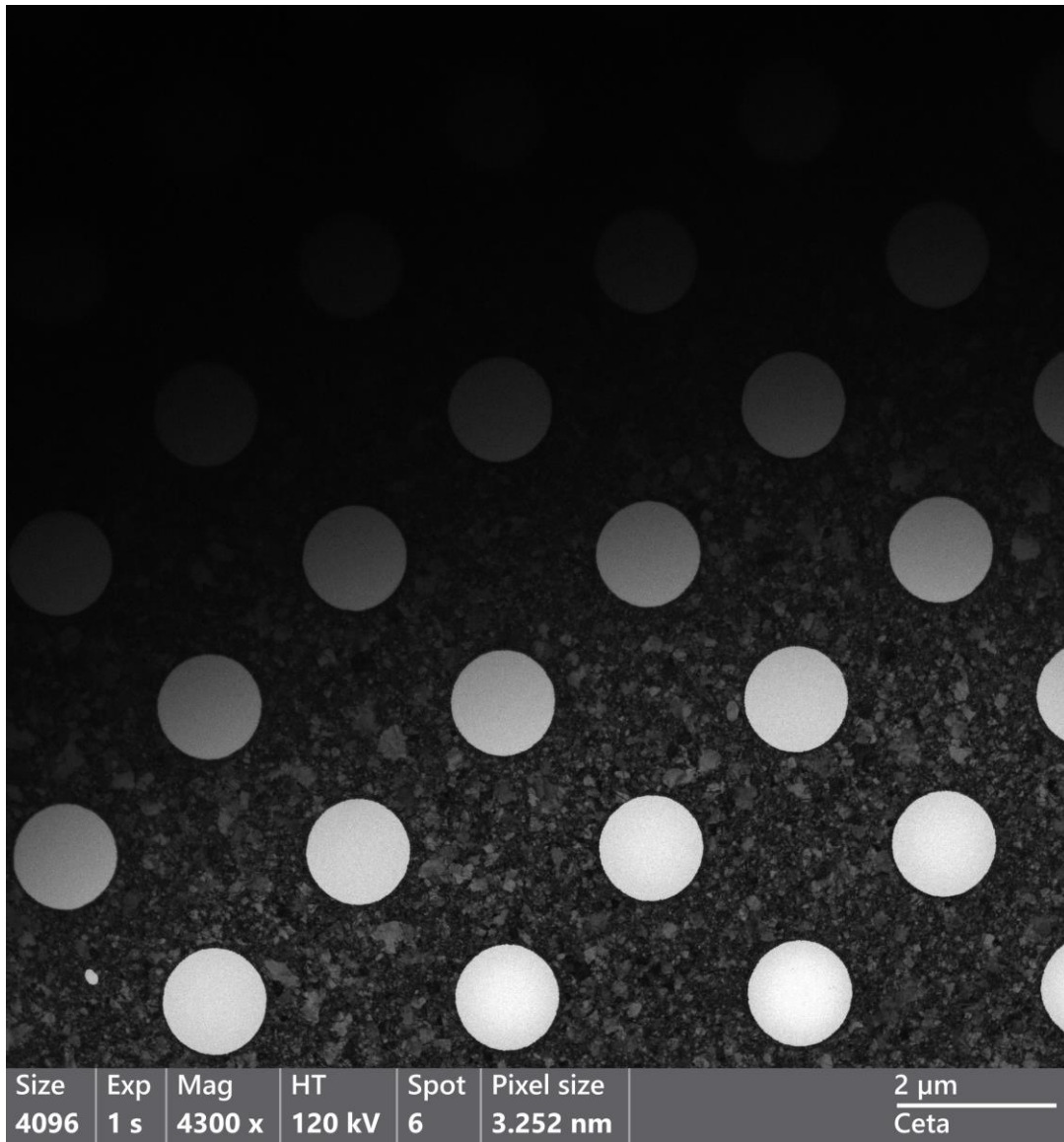


Figure5: Holes from the grid squares.

Figure 6: Cryo-micrographs

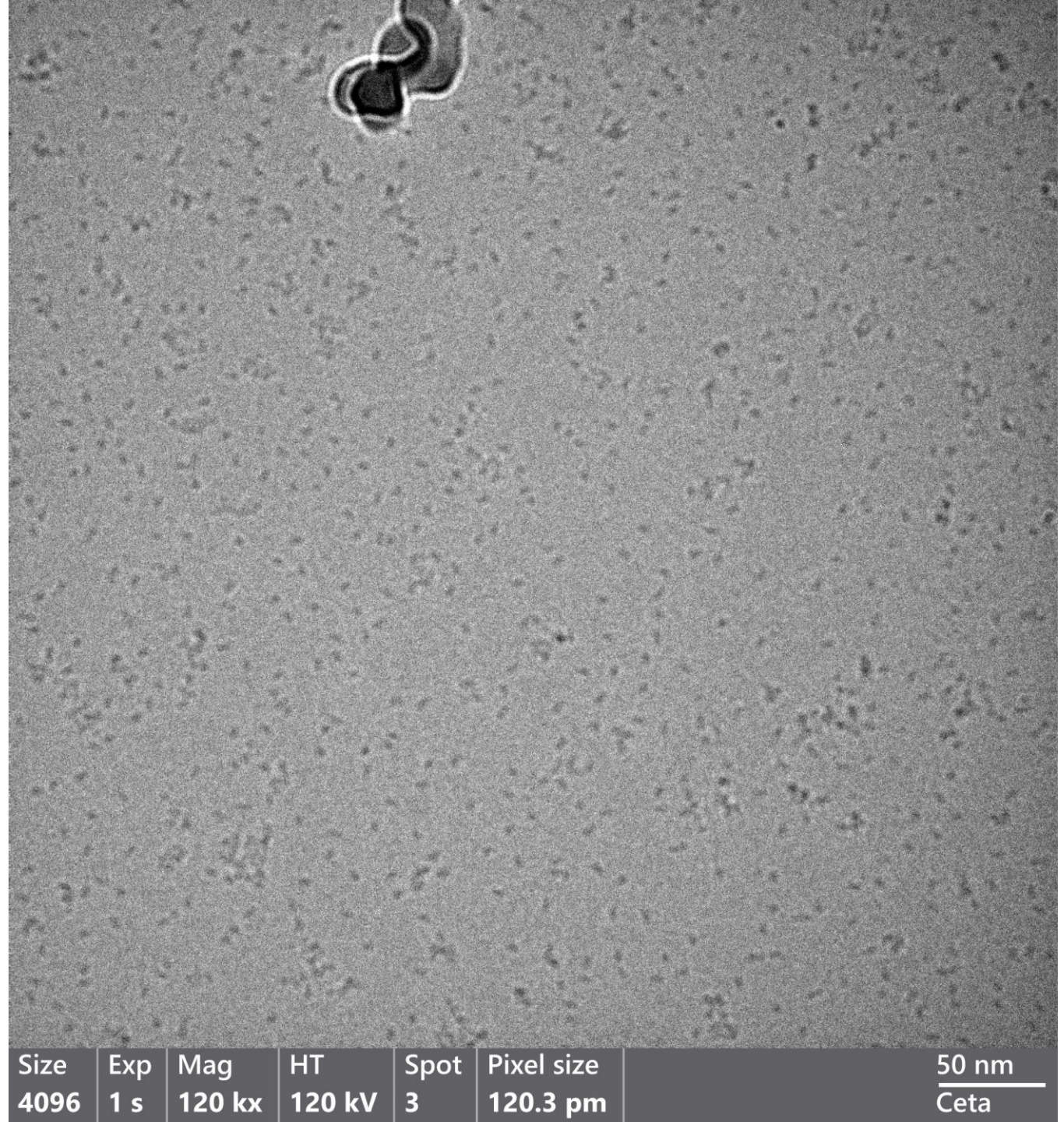


Figure 6: Cryo-micrographs

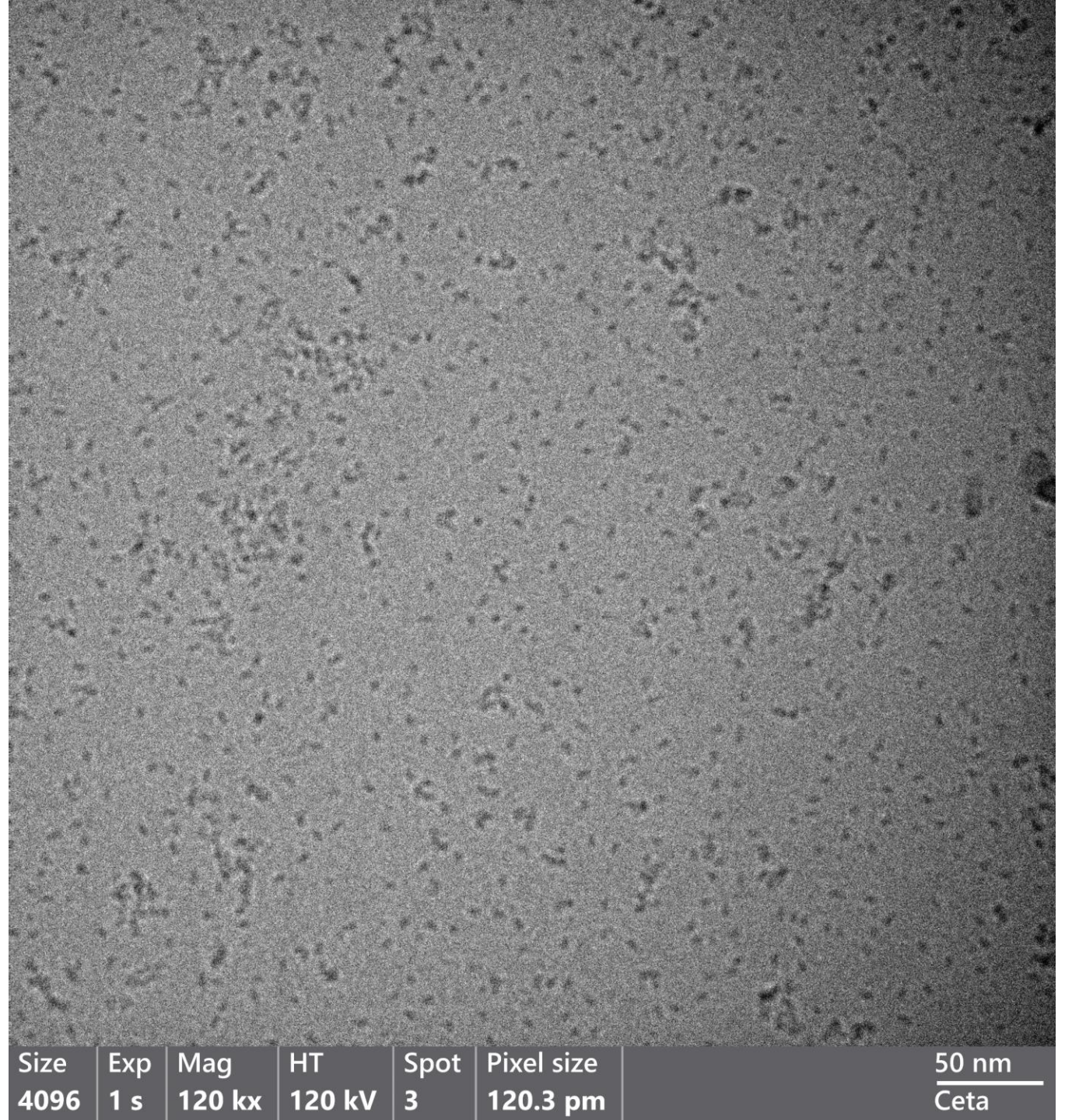
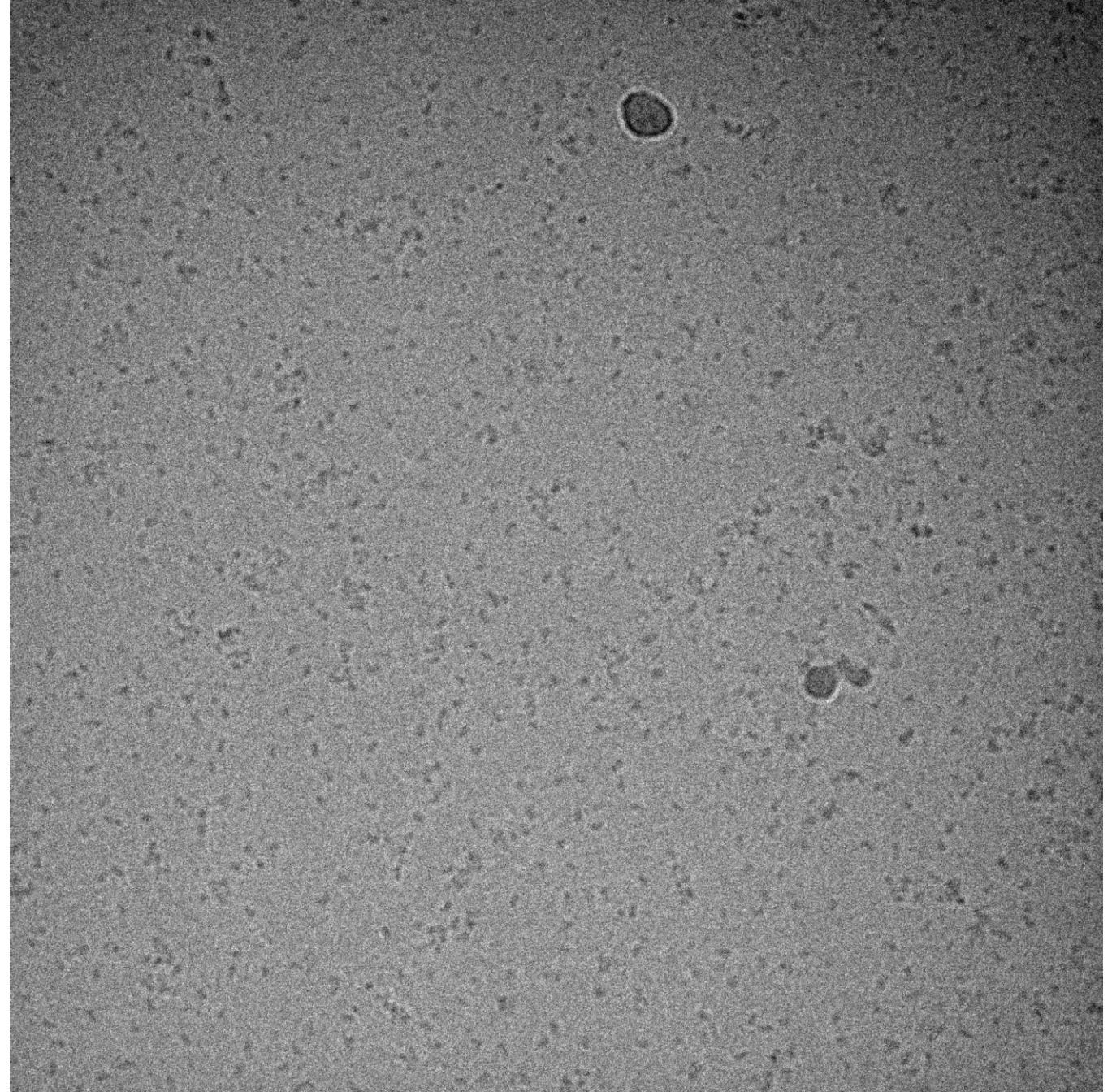
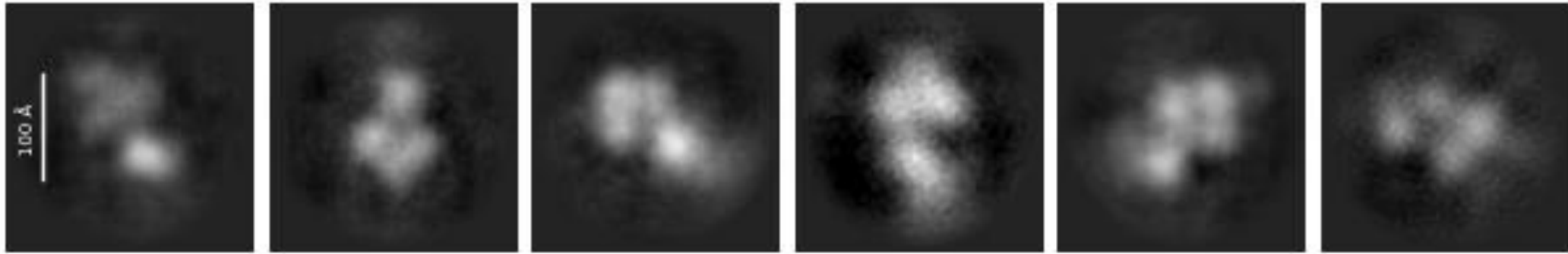


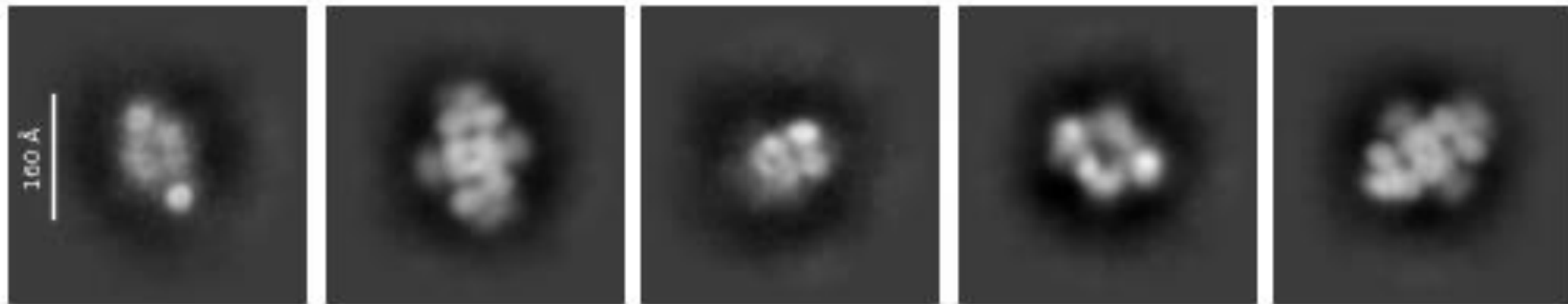
Figure 6: Cryo-micrographs



Size	Exp	Mag	HT	Spot	Pixel size	<div>50 nm</div> <div>Ceta</div>
4096	1 s	120 kx	120 kV	3	120.3 μ m	



2D class averages of the Cryo data set.



2D Class averages from negative staining. (the scale bar represents 160 Å not 100 Å)

Figure7: 2D class averages from the Cryo-images (top) and negative staining images (bottom) compared.