## Supplementary Information

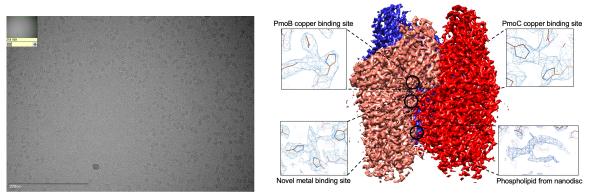


Figure 1: Representative micrograph and 3D reconstruction of pMMO from *Methylococcus capsulatus* Bath in a lipid nanodisc. Panels show the conserved metal binding sites and new densities for a new putative metal site and a stabilized phospholipid.

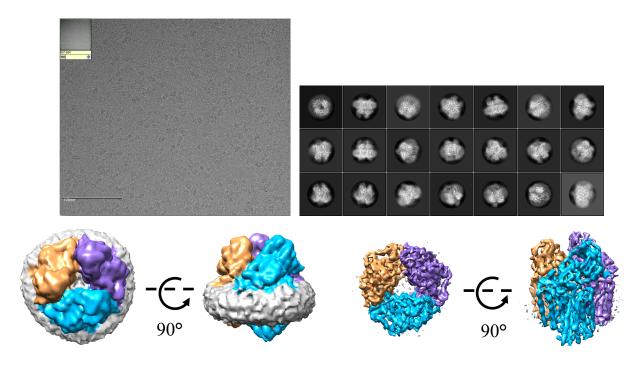


Figure 2: Representative micrograph of pMMO from *Methylocystis* sp. str. Rockwell pMMO and 2D-class average of 42,067 particles from 1001 micrographs. Below is the 4.9 Å resolution structure at two threshold levels showing the nanodisc in grey and symmetric protomers in orange, purple and blue.

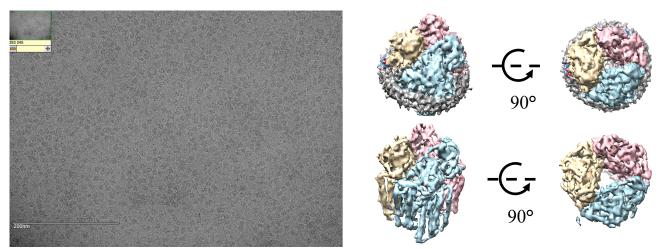


Figure 3: Representative micrograph of pMMO from *Methylomicrobium alcaliphilum* 20Z, collected at NCCAT and 3.6 Å resolution structure.