



Figure 1. Cryo-EM structure of ArnT from *Salmonella enterica* at 3 Å global resolution. (A) Representative micrograph for *Salmonella enterica* ArnT in MSP1E3D1 nanodisc collected at Columbia U. Krios 3 (at SEMC/NYSBC), equipped with energy filter and Gatan K2 direct detector. Scale bar corresponds to 100nm (B) Representative two-dimensional class averages after reference-free classification of the final particle stack (extracted in a 256 pixel box, ~210Å) after particle polishing in Relion. (C) Fourier shell correlation (FSC) curve generated after the final local refinement in cryoSPARC.v2. (D) Cryo-EM map of ArnT_{Se} embedded in nanodisc is shown in rainbow coloring from N-terminus (purple) to C-terminus (red). Additional light purple densities represent bound lipid molecules. (A-D) Petrou, V, and Mancina, F, unpublished data.