

Figure 1. Size exclusion chromatography (A) and motion corrected cryo-EM micrograph (B) of Kir7.1 in lipid nanodiscs. (A) Superdex 200 elution profile of nano disc reconstituted Kir7.1 and coomassie stained SDS-PAGE of peak eluted at ~9.0 mL and separated from empty discs (inset). (B) Representative motion corrected cryo-EM image of vitrified Kir7.1 in nano discs taken on the UM Glacios equipped with a K2 camera. Scale bar, 100 nm.

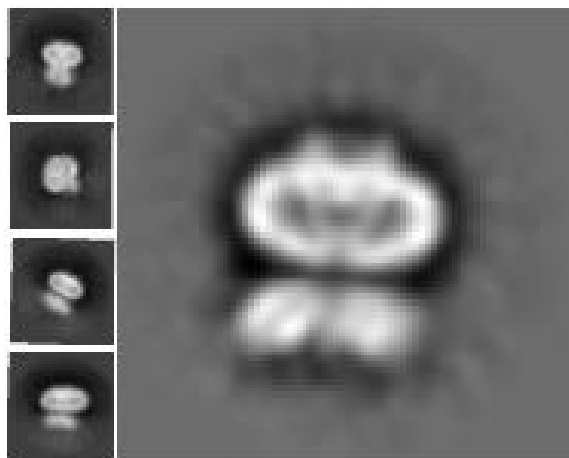


Figure 2. Initial 2D classification of Kir7.1 tetramers embedded in nanodiscs. Representative class averages of the Kir7.1 tetramer in nanodiscs. While the nanodiscs and density for the transmembrane domain is present, it appears the extracellular domains are flexible. Side length of average, ~130 Å.