



Figure S2. Cryo-EM image analysis of the hTRPC6 channel in nanodiscs.

(a) Representative raw micrograph of hTRPC6 nanodisc particles recorded on K2 Summit camera at a defocus of $-2.0 \mu\text{m}$. (b) Representative 2D class averages of hTRPC6 in nanodiscs. (c) Flowchart of hTRPC6 cryo-EM data processing. (d) FSC curves of the two independently refined maps for unmasked (blue line, 4.9 Å) and masked & corrected (purple line, 3.8 Å). Resolution estimation was based on the criterion of FSC 0.143 cut-off. (e) Angular distribution histogram of the final hTRPC6 reconstruction. This is a standard output from cryoSPARC.