

a 1  $\mu\text{M}$   $\text{Ca}^{2+}$  closed  
399,281 particles  
GSFSC Resolution = 1.78  $\text{\AA}$

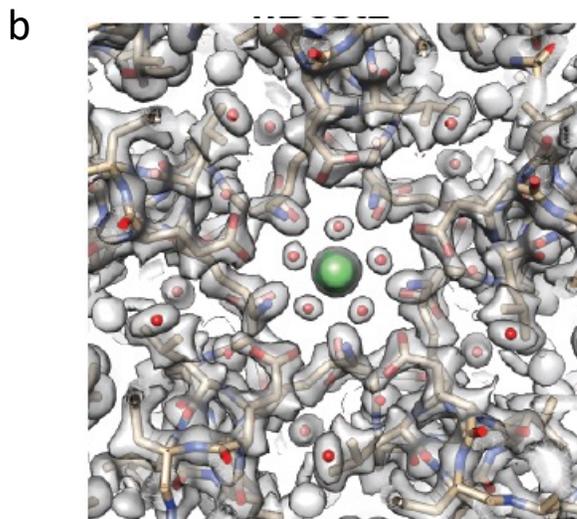
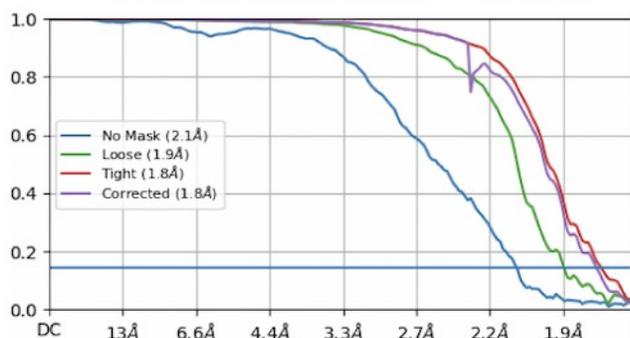
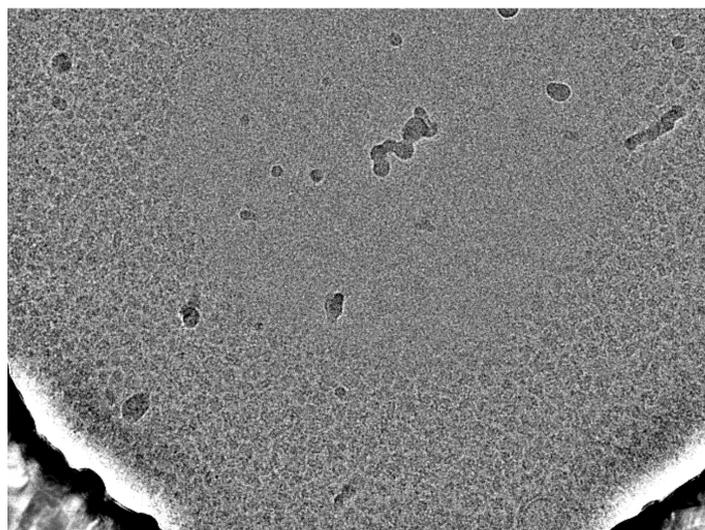
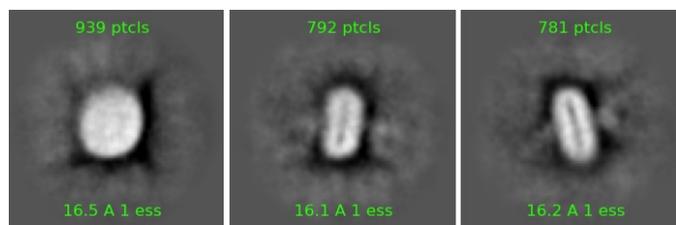


Figure 1 – a) FSC curve and b) anion-selective gate for human Bestrophin-2.

a 90 mics



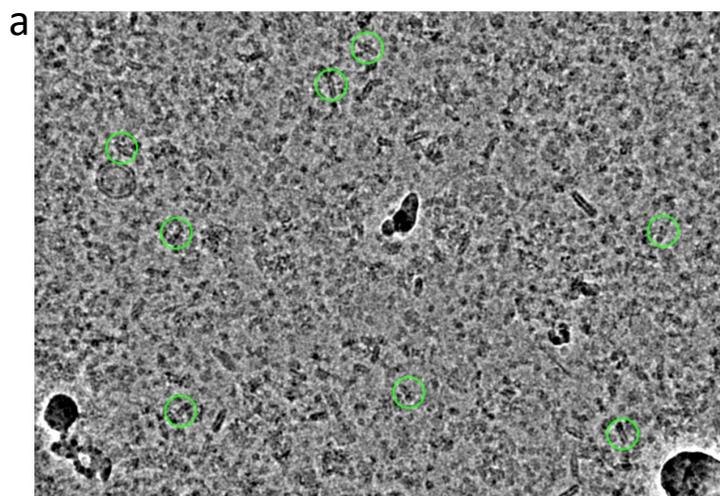
b



c



Figure 2 – a) CryoEM micrograph, b) 2D class averages for particle of interest, c) density with black arrow on micelle for  $\text{Ca}^{2+}$ -responsive membrane protein derived from cow brain.



b

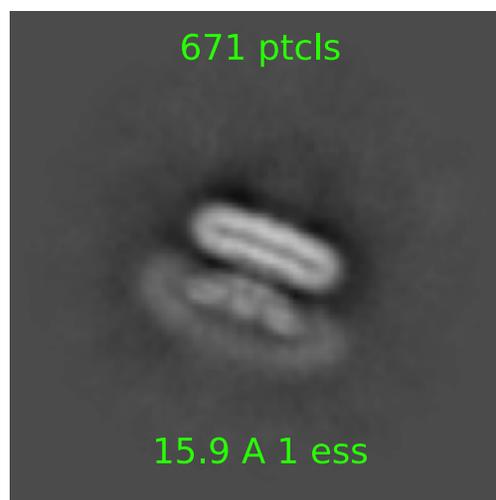


Figure 3 – a) CryoEM micrograph with circled particle picks and b) 2D class averages for  $\text{Ca}^{2+}$ -dependent membrane protein derived from rat brain.