

Figure 1. 2D class averages and 3D maps of detergent and liposome purified RyR1 respectively showing disordered **(A)** and intact **(B)** transmembrane (TM) region at high temperatures while retaining intact cytoplasmic shell. Zoomed in view of RyR1 pore region without liposome layer to show intact TM at 37 °C.

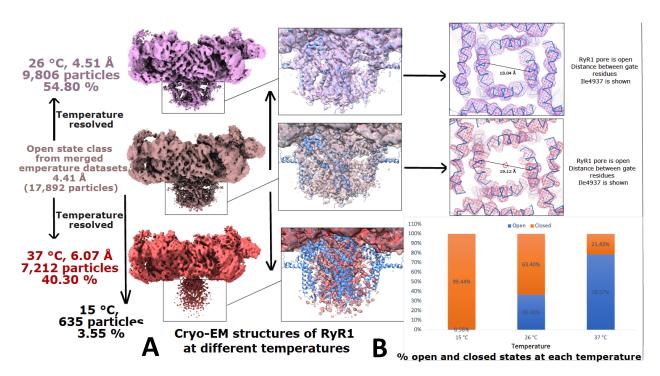


Figure 2. **(A)** Temperature resolved cryo-EM resolved open state of RyR1. **(B)** Percent particle contribution to open state of RyR1 increases with increasing temperature.