

Description of Additional Supplementary Files

File Name: Supplementary Movie 1

Description: **Three-dimensional variability analysis shows motions of CIA-IP₃R1 and Ca-IP₃R1** (the structure is viewed along the membrane plane).

File Name: Supplementary Movie 2

Description: **Three-dimensional variability analysis shows motions in CIA-IP₃R1** viewed along the channel four-fold axis from cytosol.

File Name: Supplementary Movie 3

Description: **Three-dimensional variability analysis shows motions of CIA-IP₃R1** in nexus region viewed from cytosol (left) and lumen (right).