

Description of Additional Supplementary Files

File name: Supplementary Movie 1

Description: Conformational morph between the LCP X-ray and the 2 mM Ca^{2+} cryo-EM structure. Structures are coloured based on the three main structural units identified by DYNDOM torsional analysis (static scaffold TM region (red), cytoplasmic domain (blue) and $\beta 9$ - $\beta 10$ -TM3-5- $\alpha 10$ unit (orange)). Coordinate morphing and the movie creation were carried out using UCSF Chimera.