

Figure. S1. Structural analysis of HsCLC-7/Ostm1. (a) Purification of the HsCLC-7/Ostm1 complex by size-exclusion chromatography. Inset, peak fractions on Coomassie-stained SDS-PAGE. (b) Representative cryo-EM image of the HsCLC-7/Ostm1 complex. (c) Two-dimensional class averages. Red boxes mark the class averages with the density of cytoplasmic domains of HsCLC-7. (d) Euler angle distribution of particles used in the final 3D reconstruction. (e) Final density map coloured by local resolution. (f) Gold-standard FSC curve of the final 3D reconstruction. (g) FSC curve for cross-

validation between the model and the map. (h) Flowchart of EM data processing for HsCLC-7/Ostm1. (i) The CLC-7/Ostm1 map at a low contour level shows the weak density of the CBS domain.

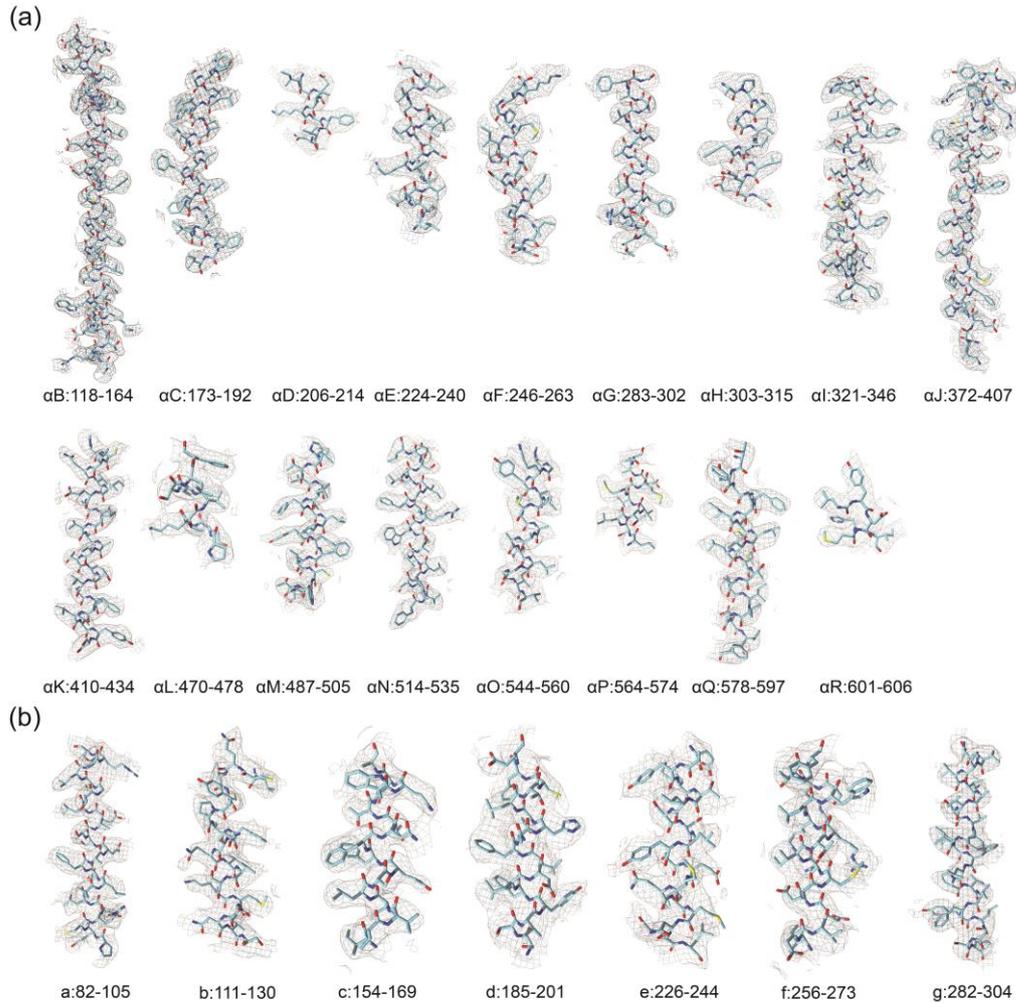


Figure. S2. Sample electron microscopy density maps of the HsCLC-7/Ostm1 complex. (a, b) Representative sections of CLC-7 (a) and Ostm1 (b) density shown as grey mesh. Refined coordinates are shown as sticks.