

## Description of Additional Supplementary Files

**Supplementary Movie 1:** Movie shows z- stack of confocal images of Iso fluid endosomes of the cells shown in Supplementary Fig. 3d. The z-stack movie starts from basal side of the cell to the top showing distribution of endosomes in each case.

**Supplementary Movie 2:** Movie shows z- stack of confocal images of Hypo-Iso fluid endosomes of the cells shown in Supplementary Fig. 3d. The z-stack movie starts from basal side of the cell to the top showing distribution of endosomes in each case.

**Supplementary Movie 3:** Movie shows time lapse of cell from Supplementary Fig. 10f showing membrane fluctuations during osmotic perturbations.