

Description of Additional Supplementary Files

Supplementary Movie 1. Live confocal time-lapse imaging of vacuole expansion for WT from 20 hpf to 30 hpf used internal membrane tracker. The time interval between frames is 10 min. Scale bar represent 20 μm .

Supplementary Movie 2. Live confocal time-lapse imaging of vacuole expansion for *dstyk* mutant from 20 hpf to 30 hpf used internal membrane tracker. The time interval between frames is 10 min. Scale bar represent 20 μm .