



### Supplemental Figure 1. Dye-Filling Phenotype of BBSome Mutants

(A) BBSome mutants other than *bbs-5* are dye-filling defective indicating defects in cilia structural integrity. (B) IFT but not hyperactive secretion *tom-1*, mutants are dye-filling defective. (C) Mutations that suppress the enhanced secretion of dense-core vesicle of *bbs-7* mutants: Rab27/*aex-6*, rabphilin/*rbf-1* do not suppress the dye-filling defect of *bbs-7* mutant.