

Description of Additional Supplementary Files:

Supplementary Movie 1: Co-expression of GFP-ATG5 with mCherry-ATG7 in growing tobacco pollen tubes. ATG5 predominantly colocalizes with ATG7 in growing tobacco pollen tubes.

Supplementary Movie 2: Co-expression of GFP-ATG5 with ATG6-RFP in growing tobacco pollen tubes. ATG5 partially colocalizes with ATG6 in growing tobacco pollen tubes.

Supplementary Movie 3: Co-expression of RFP-ATG5 with YFP-ATG8e in growing tobacco pollen tubes. ATG5 predominantly colocalizes with ATG8e in growing tobacco pollen tubes.

Supplementary Movie 4: Co-expression of RFP-ATG5 with GFP-ATG9 in growing tobacco pollen tubes. ATG5 partially colocalizes with ATG9 in growing tobacco pollen tubes.

Supplementary Movie 5: Co-expression of GFP-ATG5 with SH3P2-RFP in growing tobacco pollen tubes. ATG5 predominantly colocalizes with SH3P2 in growing tobacco pollen tubes.