

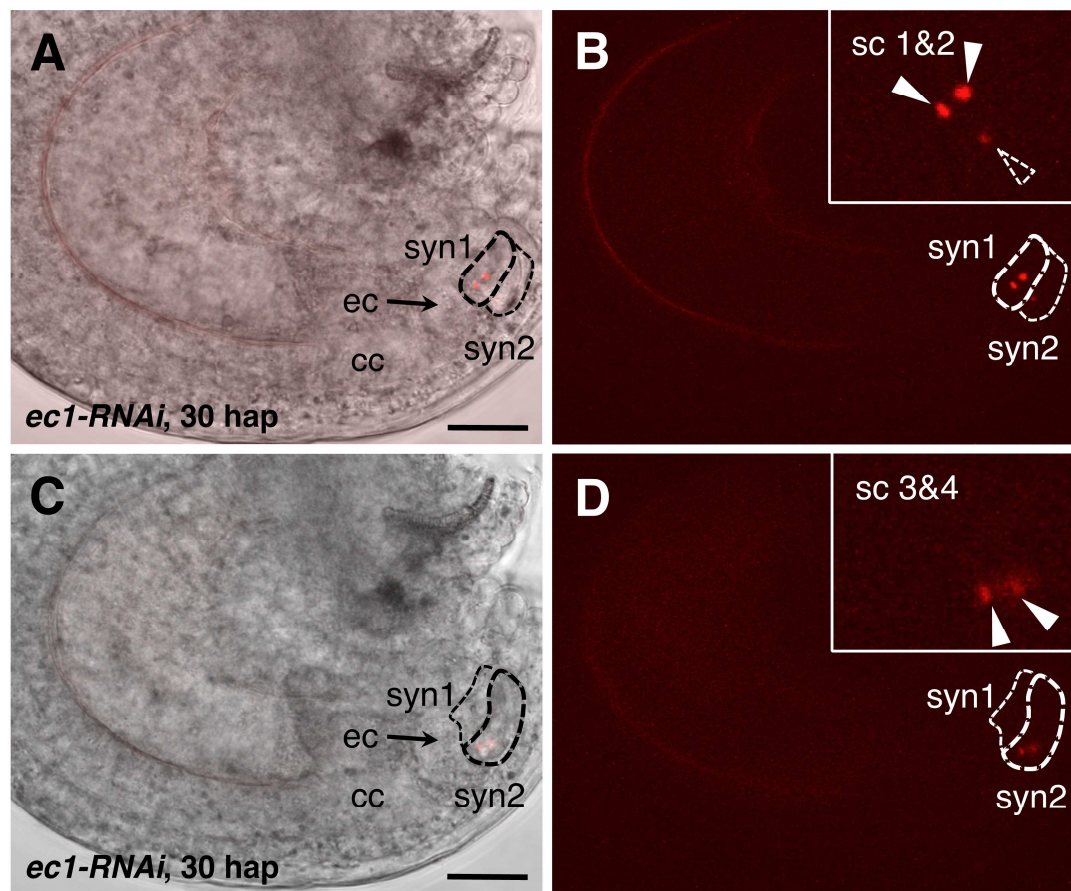


Figure S6.9 | Both synergids of *ec1-RNAi* ovules are involved in multiple pollen tube attraction and sperm cell delivery.

(A) to (D) Each of the two synergids (syn1, syn2) in one *ec1-RNAi* ovule is able to perceive a pair of sperm cells (arrowheads point at sperm nuclei). One sperm cell pair (sc 1&2) is delivered in syn1, while the second sperm cell pair (sc 3&4) is perceived by syn2. (A) and (C) show the merged bright field and fluorescent CLSM image of individual optical sections, (B) and (D) the respective fluorescent images with close-ups of the sperm cells 1 & 2 (inset in (B)) and sperm cells 3 & 4 (inset in (D)). Dashed lines indicate the synergid cell borders. Abbreviations: cc, central cell; ec, egg cell; hap, hours after hand pollination; sc, sperm cell; syn, synergid. Scale bars = 20 μm.