**Supplementary Figure 7.** Peroxisome and mitochondrial arrangement in spermatia. Analysis of peroxisomes (A-B) and mitochondria (C-D) in WT, Δfis1 and Δdnm1 spermatia. Epifluorescence microscopy analysis of peroxisomes (A) and mitochondria (C). Peroxisomes were visualized with FOX2-mCherry (WT and Δfis1) or with FOX2-GFP (Δdnm1) and were pseudocolored red. Mitochondria were labeled with IDH1-mCherry. Arrows show elongated organelles. Arrowheads in (A) show beads-on-a-string peroxisomal chains, and in (C) large mitochondria. BF: bright field. Scale bar, 5 μm. Quantitation of spermatia containing peroxisomes (B) and mitochondria (D). Values are mean ± SD of three independent experiments (n=300, *P<0.05 by unpaired Student’s t test).