



SUPPLEMENTARY FIG. S1. Correlative light and electron microscopy using the laser-marking approach. Confocal and transmission electron microscopy (TEM) images of primordial germ cells (PGCs) at 8 hours postfertilization following marking their immediate environment with laser. **(A)** Low-magnification bright-field image of the laser mark in the 100- μm low melting point agarose section. **(B)** Fluorescence image of the PGCs with the laser mark. **(C)** Overlay image of **(A)** and **(B)**. **(D)** Confocal Z-projection image of an autofluorescent laser-mark in the shape of an *arrowhead* (*asterisk*) pointing at PGCs. **(E)** The laser mark (*asterisk*) can be observed in the TEM of the thin sections. Two PGCs corresponding to the cells in **(D)** are delineated in *red* and *blue* rectangles. **(F)** Magnification of the PGC in the *red* rectangle showing PGCs characteristic perinuclear granules (*red arrowheads*). **(G)** Magnification of the *blue* rectangle showing section of another PGC, easily recognizable by fluorescence signal in **(D)**. Scale bar: 2 μm (**F**, **G**).