



Figure S5. The Ska complex is required for tight metaphase plate formation.

A) Chromosome dynamics during mitosis were recorded in control, *ska-1(RNAi)* or *ska-3(RNAi)* embryos. The strain expresses GFP-histone (chromatin) and γ -tubulin-GFP (centrosomes, visible in some panels). Scale bar is 5 μm .

B) To measure chromosome alignment, a bounding box was drawn around the chromatin and the width of the box was calculated at each time-point. As chromosomes congressed during prophase and metaphase, the width of the box decreased. *ska-1(RNAi)* and *ska-3(RNAi)* embryos exhibited chromosome alignment defects compared to control embryos. For *ska-1(RNAi)*, $P=0.002$; for *ska-3(RNAi)*, $P=0.01$, at 10 seconds prior to anaphase onset, using a two-tailed Student's T-test. Error bars are SEM ($n=12$ embryos for each).

C) The time from nuclear envelope breakdown to anaphase onset was measured in control ($n=30$), *ska-1(RNAi)* ($n=16$), and *ska-3(RNAi)* ($n=13$) embryos. Depletion of the Ska complex alone did not cause significant cell-cycle delays during spindle assembly in one-cell embryos compared to wild type; *ska-1(RNAi)* ($P=0.31$), *ska-3(RNAi)* ($P=0.78$), using a two-tailed Student's T-test.