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Supplemental Information

**The Mitotic Spindle in the One-Cell *C. elegans* Embryo Is Positioned
with High Precision and Stability**

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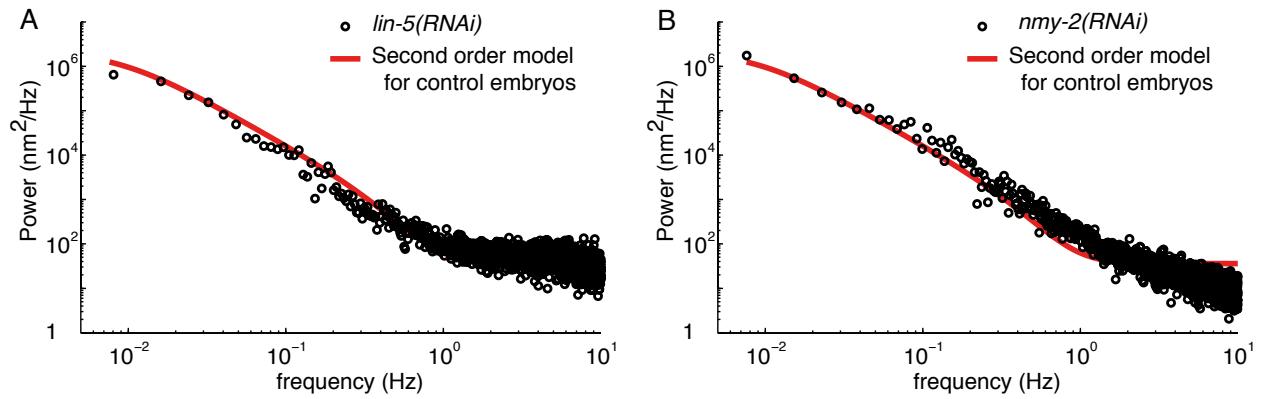


Figure S1, related to Figure 3: Spindle positioning in *lin-5(RNAi)* and *nmy-2(RNAi)* embryos
A Average power spectra of the transverse spindle position for six *lin-5(RNAi)* embryos (black open circles). For comparison, the second-order model fit to the control embryos (From Figure 2) is shown in red.
B Average power spectra of the transverse spindle position for seven *nmy-2(RNAi)* embryos (black open circles). For comparison, the second-order model fit to the control embryos (From Figure 2) is shown in red.

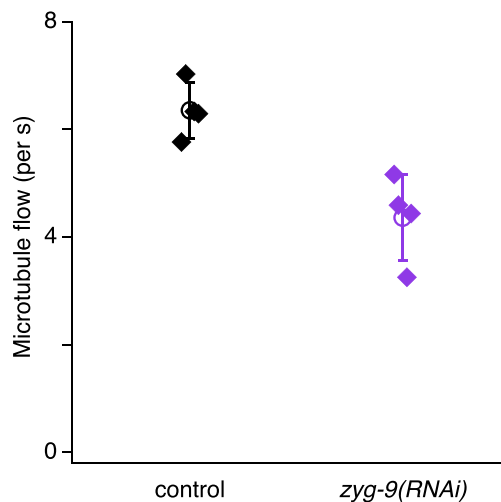


Figure S2, related to Figure 3: Rate of arrival of microtubule ends at the cortex in control and *zyg-9(RNAi)* embryos.

Microtubules ends in a YFP:: α -tubulin strain were imaged at the cortex by spinning disk microscopy as described in (23). The observed cortical area was $\sim 1200 \mu\text{m}^2$. The number of microtubules tracks was divided by the observation time to obtain the arrival rate. Results from four *zyg-9(RNAi)* embryos (purple) are compared to results from four controls (black).