***eLife’s* transparent reporting form**

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* You should state whether an appropriate sample size was computed when the study was being designed
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Information on sample size and statistical tests used are included in the Figures and Figure Legends.

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* You should report how often each experiment was performed
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We have made it explicit what N and n means in each analysis. In most experiments, N is number of independent experiments and n is number of oocytes. For the alignment analysis, N is the number of spindles and n is the number of chromosomes.

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* Statistical analysis methods should be described and justified
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* For each experiment, you should identify the statistical tests used, exact values of N, definitions of center, methods of multiple test correction, and dispersion and precision measures (e.g., mean, median, SD, SEM, confidence intervals; and, for the major substantive results, a measure of effect size (e.g., Pearson's r, Cohen's d)
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(For large datasets, or papers with a very large number of statistical tests, you may upload a single table file with tests, Ns, etc., with reference to sections in the manuscript.)

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