***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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The outcome of the experiments in the paper was unpredictable and hence predicting sample size prior to experiments was difficult. We aimed to collect 5-10 cells for each experimental manipulation; this number was chosen largely to reflect reproducibility of the experiment.

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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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