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

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**Sample-size estimation**

* You should state whether an appropriate sample size was computed when the study was being designed
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* If no explicit power analysis was used, you should describe how you decided what sample (replicate) size (number) to use

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Sample sizes were not computed using software during the design of the experiments, but the sample sizes were designed based on previous work and biological and technical aspects of each experiment. Numbers of biological samples (minimum eight samples for the main data, e.g., Figure 2D-E) were chosen as the reproducibility between replicates was found to be similar. Statements detailing the sample size can be found in the relevant section in the Materials and Methods.

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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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* Indicate how samples were allocated into experimental groups (in the case of clinical studies, please specify allocation to treatment method); if randomization was used, please also state if restricted randomization was applied
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Source data files are provided for all main figures and supporting figures as supplemental files.