***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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* If no explicit power analysis was used, you should describe how you decided what sample (replicate) size (number) to use

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No sample size was estimated prior to experiments presented in this study.

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* You should report how often each experiment was performed
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* The data obtained should be provided and sufficient information should be provided to indicate the number of independent biological and/or technical replicates
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N value are all presented in the manuscript (main text, figures or figure legends). No outliers were rejected.

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* Statistical analysis methods should be described and justified
* Raw data should be presented in figures whenever informative to do so (typically when N per group is less than 10)
* 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)
* Report exact p-values wherever possible alongside the summary statistics and 95% confidence intervals. These should be reported for all key questions and not only when the p-value is less than 0.05.

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The different statistical tests employed in this study are presented in the manuscript and/or additional data files. Their justification, which depends on sample size and the ability or inability to use pairing information, are described in the “Material and Methods” section.

(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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* 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
* Indicate if masking was used during group allocation, data collection and/or data analysis

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When group allocation was employed (e.g., results presented in Figure 5), the justification of group allocation, along with the method explaining how data where assigned to one group or the other, are explained in the Results section and figure legend.

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* We encourage you to upload relevant additional data files, such as numerical data that are represented as a graph in a figure, or as a summary table
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Numerical data and statistical information from figures is presented in additional data files titled “Source Data.” Data is organized into different Microsoft Excel files each titles “Figure X - Source Data”, with values from each figure panel tabulated in a separate worksheet.