***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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Methods and main text

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* You should include a definition of biological versus technical replication
* The data obtained should be provided and sufficient information should be provided to indicate the number of independent biological and/or technical replicates
* If you encountered any outliers, you should describe how these were handled
* Criteria for exclusion/inclusion of data should be clearly stated
* High-throughput sequence data should be uploaded before submission, with a private link for reviewers provided (these are available from both GEO and ArrayExpress)

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Methods

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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)
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* 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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(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
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Methods

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Please indicate the figures or tables for which source data files have been provided:

Figure 2-figure supplement 8-source data 1

Figure 2-figure supplement 9-source data 1

Figure 2-figure supplement 10-source data 1

Figure 2-figure supplement 11-source data 1

Figure 3-figure supplement 5-source data 1

Figure 3-figure supplement 5-source data 2

Figure 4-figure supplement 2-source data 1

Figure 4-figure supplement 2-source data 2

Data was obtained and analyzed using FIJI, then processed in Excel and Graphpad prism.