***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

Please outline where this information can be found within the submission (e.g., sections or figure legends), or explain why this information doesn’t apply to your submission:

All quantifications of measurements are reported within the figure legends and individual measurements are also graphically physical by nature of the scatter plot (Figures 2-7). For any quantification the minimum samples size was of N=4.

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* You should report how often each experiment was performed
* 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
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All indicators of sample size are also biological replicates.

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All quantifiable data are graphically depicted as scatter plots such that each individual data point and the mean value is presented. The sample size (N) and statistical test value are indicated by the figure legends. The statistical tests used and how the quantifications are made are described in the corresponding methods sections. Exact measurements such as p-value are provided in the source-data for Figures 2-7 (Source data 1).

(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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* Include model definition files including the full list of parameters used
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Source data for Figures 2-7 (Source data 1) and Figure 2-figure supplement 1C (Source data 2) have been provided.

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