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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

Sample sizes and number of independent replicates for all experiments are included in relevant figure legends, and Materials and Methods (Statistics).

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* You should report how often each experiment was performed
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All replicates reported in this study are “biological replicates”, and this information is indicated in Materials and Methods (Statistics). No high-throughput sequencing data are generated.

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

Source data for Figure 1C-1E; Figure 2A-2H; Figure 3E and 3F; Figure 4A-4D; Appendix 2-Figure 2A-2C, 2E; Appendix 3-Figure 3D; Appendix 4-Figure 4A-4B, 4D are included. All other source data is also available on request.