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- You should state whether an appropriate sample size was computed when the study was being designed
- You should state the statistical method of sample size computation and any required assumptions
- 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 explicit power analysis was used to determine the sample size for each experiment. Sample size was based on empiric considerations taking into account both robustness of the respective assays and the experimental challenge of acquiring the data. Detailed description of the number of cells analyzed per data set can be found in the figure legends, represented by 'n'.

Replicates

- 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
- If you encountered any outliers, you should describe how these were handled
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- 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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The number of times each experiment has been performed is indicated as 'N' in figure legends. These refer to the number of times the entire experiment was performed on independent days and therefore correspond to biological replicates of the experiment. All experiments represented in the figures were performed at least in triplicates, except for Figs. Fig.1-S1 A and C, Fig. 2E and F, and Fig.2-S1 D.

Statistical reporting

- 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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As indicated in the materials and methods section, we have performed Student's t-test to calculate the statistical significance of our data. P-values were calculated using Prism and have been reported in the corresponding figure legends. The number of replicates, number of cells, and precision measures (SD or SEM) are detailed in the figure legends.

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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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The manuscript does not contain source data.					