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* You should state whether an appropriate sample size was computed when the study was being designed
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Sample size as well as statistical method used are described in each Figure legend and in Materials and Methods section “Statistical analysis”.

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All the experiments were performed using biological replicates. The number of biological replicates is indicated in Figure legends. No data was excluded, therefore there is no statement about data exclusion. Data availability statement can be found in the “Data availability” section of the manuscript.

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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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* 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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Experimental in vitro, in vivo and in silico conditions, as well as setup are described in Materials and methods section. All the parameters used for in silico modelling experiments have also been described in Appendix section. Data analysis parameters can also be found in Materials and Methods section. CRIPSR/Cas9 screen sequencing data will be made available at: <https://www.ncbi.nlm.nih.gov/sra/SRP161445>.