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## Reporting Summary

X Life sciences

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Statistics	
For all statistical analyses, confirm that the follo	wing items are present in the figure legend, table legend, main text, or Methods section.
n/a Confirmed	
The exact sample size $(n)$ for each expe	erimental group/condition, given as a discrete number and unit of measurement
A statement on whether measurement	ts were taken from distinct samples or whether the same sample was measured repeatedly
The statistical test(s) used AND whether Only common tests should be described sole	er they are one- or two-sided ely by name; describe more complex techniques in the Methods section.
A description of all covariates tested	
A description of any assumptions or co	prrections, such as tests of normality and adjustment for multiple comparisons
	meters including central tendency (e.g. means) or other basic estimates (e.g. regression coefficient) or associated estimates of uncertainty (e.g. confidence intervals)
For null hypothesis testing, the test sta Give P values as exact values whenever suite	stistic (e.g. $F$ , $t$ , $r$ ) with confidence intervals, effect sizes, degrees of freedom and $P$ value noted able.
For Bayesian analysis, information on t	he choice of priors and Markov chain Monte Carlo settings
For hierarchical and complex designs, i	dentification of the appropriate level for tests and full reporting of outcomes
Estimates of effect sizes (e.g. Cohen's a	d, Pearson's r), indicating how they were calculated
Our web col	llection on <u>statistics for biologists</u> contains articles on many of the points above.
Software and code	
Policy information about <u>availability of compute</u>	er code
Data collection Provide a description of all state that no software was	commercial, open source and custom code used to collect the data in this study, specifying the version used OR s used.
Data analysis  Provide a description of all OR state that no software	commercial, open source and custom code used to analyse the data in this study, specifying the version used was used.
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Data	
Policy information about <u>availability of data</u> All manuscripts must include a <u>data availability</u> - Accession codes, unique identifiers, or web links - A list of figures that have associated raw data - A description of any restrictions on data availabi	
The datasets generated during and/or analyzed durin	ng the current study are available from the corresponding authors on reasonable request.
Field-specific reportin	ρ

Please select the one below that is the best fit for your research. If you are not sure, read the appropriate sections before making your selection.

Ecological, evolutionary & environmental sciences

Behavioural & social sciences

## Life sciences study design

All studies must disc	close on these points even when the disclosure is negative.
Sample size	Biological triplicates were chosen as the standard for all experiments.
Data exclusions	No data were excluded from the analysis
Replication	Biological triplicates were the minimum for all experiments. Standard deviations were calculated to gauge reproducibility.
Randomization	not applicable
Blinding	not applicable
Ranartine	g for specific materials, systems and methods
-	in from authors about some types of materials, experimental systems and methods used in many studies. Here, indicate whether each material,
	ed is relevant to your study. If you are not sure if a list item applies to your research, read the appropriate section before selecting a response.
· ·	perimental systems Methods
n/a Involved in the	
Antibodies	ChIP-seq
Eukaryotic	
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	d other organisms earch participants
Human rese	
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Flow Cytome	etrv
Plots	
Confirm that:	
	state the marker and fluorochrome used (e.g. CD4-FITC).
	are clearly visible. Include numbers along axes only for bottom left plot of group (a 'group' is an analysis of identical markers).
All plots are co	ontour plots with outliers or pseudocolor plots.
A numerical va	alue for number of cells or percentage (with statistics) is provided.
Methodology	
Sample preparation	Samples were prepared for FACS by diluting 5 μl of culture into 200 μl 1x M9 salts in a 96-well plate.
Instrument	BD FACS Canto
Software	FlowJo
Cell population ab	bundance 50% to 60% of events collected were deemed to be cells by FFC/SSC gates. Fluorescence gates and population percentage is provided in Supplementary Table 1.
Gating strategy	FFC/SSC gates were established for our microorganism by growing it under identical conditions to the experimental samples (identical media, growth conditions, timing). These gates were used to select events corresponding to cells. A GFP positive gate was established for the Alexa Fluor 488 by gating populations that lacked a gfp gene below this gate. Example histograms are provided in Supplementary Figure 4.
Tick this box to	o confirm that a figure exemplifying the gating strategy is provided in the Supplementary Information.