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Last updated by author(s):	Dec 17, 2019

Reporting Summary

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C+	atistics					
Statistics For all statistical analyses, confirm that the following items are present in the figure legend, table legend, main text, or Methods section.						
n/a						
II/a						
	The exact sample size (n) for each experimental group/condition, given as a discrete number and unit of measurement					
	A statement on whether measurements were taken from distinct samples or whether the same sample was measured repeatedly					
	The statistical test(s) used AND whether they are one- or two-sided Only common tests should be described solely by name; describe more complex techniques in the Methods section.					
	A description of all covariates tested					
	A description of any assumptions or corrections, such as tests of normality and adjustment for multiple comparisons					
	A full description of the statistical parameters including central tendency (e.g. means) or other basic estimates (e.g. regression coefficient) AND variation (e.g. standard deviation) or associated estimates of uncertainty (e.g. confidence intervals)					
	For null hypothesis testing, the test statistic (e.g. <i>F</i> , <i>t</i> , <i>r</i>) with confidence intervals, effect sizes, degrees of freedom and <i>P</i> value noted <i>Give P values as exact values whenever suitable.</i>					
\boxtimes	For Bayesian analysis, information on the choice of priors and Markov chain Monte Carlo settings					
\boxtimes	For hierarchical and complex designs, identification of the appropriate level for tests and full reporting of outcomes					
	Estimates of effect sizes (e.g. Cohen's <i>d</i> , Pearson's <i>r</i>), indicating how they were calculated					
	1	Our web collection on <u>statistics for biologists</u> contains articles on many of the points above.				
Software and code						
Poli	cy information abou	ut <u>availability of computer code</u>				
D	ata collection	N/A				
D	ata analysis	N/A				
For manuscripts utilizing custom algorithms or software that are central to the research but not yet described in published literature, software must be made available to editors/reviewers. We strongly encourage code deposition in a community repository (e.g. GitHub). See the Nature Research guidelines for submitting code & software for further information.						
Data						
	manuscripts must i - Accession codes, uni - A list of figures that	ut <u>availability of data</u> nclude a <u>data availability statement</u> . This statement should provide the following information, where applicable: ique identifiers, or web links for publicly available datasets have associated raw data restrictions on data availability				
All data and methods descriptions are available after publication. Not relevant for data bank. A data availability statement is included in the manuscript.						
Field-specific reporting						
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.						
\times	Life sciences Behavioural & social sciences Ecological, evolutionary & environmental sciences					
For a	For a reference copy of the document with all sections, see nature.com/documents/nr-reporting-summary-flat.pdf					

Life sciences study design

not relevant with this study

Blinding

All studies must disclose on these points even when the disclosure is negative. For determination of Minimal Inhibitory Concentration (MICs): values were read after 18 h of incubation at 37 °C. Experiments were carried Sample size out in triplicate and three independant assays were performed, the resulting medians were presented. For accumulation assays, experiments were carried out in triplicate and three independant assays were performed. The results were presented using box-and-whisker plots. For DUV microspectrofluorimetry: each bacterium from one image was averaged and considered as one emitter. For each condition, 5 different localizations with minimum 10 bacteria per field of view were recorded and averaged. The experiment was independently repeated at least three times. For Molecular docking: see Methods section no data exclusion Data exclusions All biological assays (including drug susceptibility, accumulation and viability): experiments were carried out in triplicate and three Replication independant assays were performed. Not relevant in this study Randomization

Reporting for specific materials, systems and methods

We require information from authors about some types of materials, experimental systems and methods used in many studies. Here, indicate whether each material, system or method listed 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.

Materials & experimental systems		Me	Methods	
n/a	Involved in the study	n/a	Involved in the study	
\boxtimes	Antibodies	\boxtimes	ChIP-seq	
\boxtimes	Eukaryotic cell lines	\boxtimes	Flow cytometry	
\boxtimes	Palaeontology	\boxtimes	MRI-based neuroimaging	
\boxtimes	Animals and other organisms			
\boxtimes	Human research participants			
\boxtimes	Clinical data			