nature research

Christoph Keel (christoph.keel@unil.ch)
Jordan Vacheron (jordan.vacheron@unil.ch)

Corresponding author(s): COMMSBIO-20-0842A

Last updated by author(s): Sep 28, 2020

Reporting Summary

Nature Research wishes to improve the reproducibility of the work that we publish. This form provides structure for consistency and transparency in reporting. For further information on Nature Research policies, see our Editorial Policies and the Editorial Policy Checklist.

_			100	
<u>_</u>	トコ	t١	ST	ICC

For	all st	atistical analyses, confirm that the following items are present in the figure legend, table legend, main text, or Methods section.
n/a	Cor	nfirmed
	X	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
	x	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.
X		A description of all covariates tested
	x	A description of any assumptions or corrections, such as tests of normality and adjustment for multiple comparisons
	x	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>
x		For Bayesian analysis, information on the choice of priors and Markov chain Monte Carlo settings
X		For hierarchical and complex designs, identification of the appropriate level for tests and full reporting of outcomes
x		Estimates of effect sizes (e.g. Cohen's d, Pearson's r), indicating how they were calculated
		Our web collection an statistics for biologists contains articles an many of the points above

Software and code

Policy information about <u>availability of computer code</u>

Data collection Seaview (http://pbil.univ-lyon1.fr/software/seaview3)

iTOL Interactive Tree Of Life (https://itol.embl.de/)

DIACTED (between //wheester early

PHASTER (https://phaster.ca/)

Conserved Domain Database NCBI (https://www.ncbi.nlm.nih.gov/Structure/cdd/wrpsb.cgi)

 $Homology/analogY\,Recognition\,Engine\,V\,2.0\,(Phyre2)\,\,\,(http://www.sbg.bio.ic.ac.uk/\sim\,phyre2/html/page.cgi?id=index)$

MultigeneBlast (http://multigeneblast.sourceforge.net/)
MicroManager (version 1.4.22) (https://micro-manager.org/)

Data analysis Excel Microsoft (v.16.16.21)

Fiji 1.52i (https://imagej.net/Fiji)

R studio (version 3.6.1) (https://www.r-project.org/)

SuperSegger (http://mtshasta.phys.washington.edu/website/SuperSegger.php)

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 and 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

Policy information about availability of data

All manuscripts must include a data availability statement. This statement should provide the following information, where applicable:

- Accession codes, unique identifiers, or web links for publicly available datasets
- A list of figures that have associated raw data
- A description of any restrictions on data availability

All the data, bacterial strains, plasmids are available from the corresponding authors upon reasonable rec
--

	•					•						
Н	IPI	-C	n	$rac{1}{2}$	11	Γ	re	n	٦r	ŤΙ	n	σ
		. J	יע	_ (-11			$ ho$ $^{\circ}$		U	11	6

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.						
x Life sciences	Behavioural & social sciences	Ecological, evolutionary & environmental sciences				
For a reference copy of the document with all sections, see nature.com/documents/nr-reporting-summary-flat.pdf						

Life sciences study design

Sample size	To evaluate the activity spectra of the viral particles, we sampled at least 10 differents pseudomonads belonging to each of the subgroups studied.
Data exclusions	No data were excluded.
Replication	Overlay assays on sensitivity to viral particles were performed twice independently. Bacterial competition assays were performed three times independently, with three technical replicates. Time lapse experiments were performed four times independently, with between 4 and 15 analyzed positions, except time-lapse experiments used to calculate proportion of induced cells, which were performed once, on two different patches with five positions per patch All replications were successful for each experiment.
Randomization	The results of the overlay assays were read by three independent people.
Blinding	No blinding conditions were necessary in this study.

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.

Ma	terials & experimental systems	Methods		
n/a	Involved in the study	n/a Involved in the study		
×	Antibodies	ChIP-seq		
x	Eukaryotic cell lines	Flow cytometry		
×	Palaeontology and archaeology	MRI-based neuroimaging		
×	Animals and other organisms	·		
×	Human research participants			
x	Clinical data			
X	Dual use research of concern			