natureresearch

Corresponding author(s):	Catherine Wakeman
Last updated by author(s):	Apr 16, 2019

Reporting	Summary					
	to improve the reproducibility of the work that we publish. This form provides structure for consistency and transparency information on Nature Research policies, see <u>Authors & Referees</u> and the <u>Editorial Policy Checklist</u> .					
Statistics						
or all statistical analyse	s, confirm that the following items are present in the figure legend, table legend, main text, or Methods section.					
/a Confirmed						
The exact samp	The exact sample size (n) for each experimental group/condition, given as a discrete number and unit of measurement					
A statement or	whether measurements were taken from distinct samples or whether the same sample was measured repeatedly					
YIII I	test(s) used AND whether they are one- or two-sided sts should be described solely by name; describe more complex techniques in the Methods section.					
A description o	of all covariates tested					
A description o	of any assumptions or corrections, such as tests of normality and adjustment for multiple comparisons					
A full description AND variation	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)					
	nesis testing, the test statistic (e.g. F , t , r) with confidence intervals, effect sizes, degrees of freedom and P value noted exact values whenever suitable.					
For Bayesian a	nalysis, information on the choice of priors and Markov chain Monte Carlo settings					
For hierarchica	al and complex designs, identification of the appropriate level for tests and full reporting of outcomes					
Estimates of e	ffect sizes (e.g. Cohen's d , Pearson's r), indicating how they were calculated					
,	Our web collection on <u>statistics for biologists</u> contains articles on many of the points above.					
Software and c	ode					
Policy information abou	it availability of computer code					
Data collection	The data collection involved reading published literature which have all been cited.					
Data analysis	There was no additional data analysis performed from the published literature.					
or 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/reviewe 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						
 Accession codes, uni A list of figures that l 	ut <u>availability of data</u> nclude a <u>data availability statement</u> . This statement should provide the following information, where applicable: que identifiers, or web links for publicly available datasets have associated raw data restrictions on data availability					
All of the cited publication	ns should be available from the cited journals.					
Field-specific reporting						
Please select the one b	elow that is the best fit for your research. If you are not sure, read the appropriate sections before making your selection.					
Life sciences	Behavioural & social sciences Ecological, evolutionary & environmental sciences					

For a reference copy of the document with all sections, see $\underline{nature.com/documents/nr-reporting-summary-flat.pdf}$

Life sciences study design

All studies must dis	sclose on these points even when the disclosure is negative.	
Sample size	We cited over a hundred papers.	1
Data exclusions	We did not intentionally exclude any relevant papers.	
Replication	We did not attempt to replicate this published work.	
Randomization	We did no randomizations.	Name of
Blinding	We did not blind ourselves.	1

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	Materials & experimental systems		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			
	•			