

Corresponding author(s):	Tingting Yang
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Reporting Summary

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Statistics					
	es, confirm that the following items are present in the figure legend, table legend, main text, or Methods section.				
n/a Confirmed					
The exact sam	The exact sample size (n) for each experimental group/condition, given as a discrete number and unit of measurement				
A statement o	A statement on whether measurements were taken from distinct samples or whether the same sample was measured repeatedly				
The statistical Only common to	test(s) used AND whether they are one- or two-sided ests should be described solely by name; describe more complex techniques in the Methods section.				
A description	A description of all covariates tested				
A description	A description of any assumptions or corrections, such as tests of normality and adjustment for multiple comparisons				
	ion of the statistical parameters including central tendency (e.g. means) or other basic estimates (e.g. regression coefficient) (e.g. standard deviation) or associated estimates of uncertainty (e.g. confidence intervals)				
	hesis 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	analysis, information on the choice of priors and Markov chain Monte Carlo settings				
For hierarchic	For hierarchical 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				
ı	Our web collection on <u>statistics for biologists</u> contains articles on many of the points above.				
Software and c	ode				
Policy information abou	ut <u>availability of computer code</u>				
Data collection	Patchmaster				
Data analysis	XDS, AIMLESS, Phenix (Phaser, phenix.refine), CCP4 (MOLREP, Refmac5), PyMOL, Patchmaster, Coot				
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/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					
Policy information abou	ut <u>availability of data</u>				
- Accession codes, un - A list of figures that	include 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 generated or ana	lysed during this study are included in this published article (and its supplementary information files).				
-					
Field-speci	fic 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 <u>nature.com/documents/nr-reporting-summary-flat.pdf</u>

Commonly misidentified lines (See <u>ICLAC</u> register)

HEK293.

Life Scien	ices su	ady design		
All studies must disc	close on these	points even when the disclosure is negative.		
Sample size	We examined s	We examined sufficient number of samples to reach statistical conclusion according to the specific method utilized in that experiment.		
Data exclusions	No data were e	xcluded.		
Replication	All experiments were replicated for at least three times. All attempts at replications were successful.			
Randomization	Cells were rand	ells were randomly chosen.		
Blinding	N/A			
•	<u> </u>	Decific materials, systems and methods about some types of materials, experimental systems and methods used in many studies. Here, indicate whether each material,		
'		your study. If you are not sure if a list item applies to your research, read the appropriate section before selecting a response.		
Materials & exp	perimental s	ystems Methods		
n/a Involved in the study n/a Involved in the study				
Antibodies ChIP-seq Eukaryotic cell lines Signature Flow cytometry				
Palaeontolo		MRI-based neuroimaging		
	d other organism	—,—		
	earch participant	is a second of the second of t		
Clinical data	а			
Antibodies				
	61	Consider the state of the superfield of Colombia ACAFE). Deallow and Dellaid Inc. (II COD Discoines and 2001 2001)		
Antibodies used	GI	FP primary antibody (Thermo Fisher Scientific A6455), Donkey anti-Rabbit IgG (LI-COR Biosciences 925-32213)		
Validation	RF	RID: AB_221570		
Eukaryotic ce	ell lines			
Policy information a	about <u>cell lines</u>			
Cell line source(s)		HEK293 cells authenticated by short tandem repeat DNA profiling were kindly gifted from Dr. David Yule at University of Rochester.		
Authentication	HEK293 cells authenticated by short tandem repeat DNA profiling.			
Mycoplasma cont	amination No mycoplasma contamination was found.			