## nature research

Corresponding author(s):	Eng Eong Ooi
Last updated by author(s):	11-03-2021

## **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 <u>Editorial Policies</u> and the <u>Editorial Policy Checklist</u>.

_			
C-	 Fic:	tico	•
_	 	111	

For	all statistical an	alyses, confirm that the following items are present in the figure legend, table legend, main text, or Methods section.				
n/a	Confirmed					
	igwedge 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.					
$\boxtimes$	A description of all covariates tested					
$\boxtimes$	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)					
$\boxtimes$	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>					
$\times$	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					
$\boxtimes$	$\boxtimes$ Estimates of effect 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 code						
Poli	cy information	about <u>availability of computer code</u>				
Dá	ata collection	N/A				
Da	ata analysis	NGS analysis was performed using the following packages: cutadapt3.2, Bowtie2.4.1, samtools1.10, Lofreq2.1.0 and DI-tector. No custom code was used.				
For n	nanuscripts 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				

## Data

Policy information about availability of data

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

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.

- 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

Data relevant to this study is available from the corresponding author upon request.

Field-spe	cific re	porting	
Please select the or	ne below that is	the best fit for your research. If you are not sure, read the appropriate sections before making your selection.	
Life sciences	Ве	ehavioural & social sciences Ecological, evolutionary & environmental sciences	
For a reference copy of t	he document with a	Il sections, see <u>nature.com/documents/nr-reporting-summary-flat.pdf</u>	
Life scier	nces stu	ıdy design	
All studies must dis	close on these	points even when the disclosure is negative.	
Sample size	Sample size is n=3.		
Data exclusions	No data were excluded from analyses.		
Replication	All attempts at replication were successful.		
Randomization	N/A	/A	
Blinding	N/A		
We require information	on from authors a	bout 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 sy	ystems Methods	
n/a Involved in th	e study	n/a Involved in the study	
Antibodies		ChIP-seq	
Eukaryotic cell lines		Flow cytometry	
Animals and other organisms			
Human research participants			
Clinical data  Dual use research of concern			
Z   Dual use re	scarcii oi concen		
Eukaryotic co	ell lines		
Policy information a	about <u>cell lines</u>		
Cell line source(s)	)	ATCC	
Authentication None of the cell lines used were authenticated.		None of the cell lines used were authenticated.	

All cell lines used tested negative for mycoplasma.

Mycoplasma contamination

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

N/A