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Last updated by author(s):	Oct 23, 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.

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C -	ta:	t١	ct	ics

1016	ali statisticai ali	alyses, commit that the following items are present in the figure regend, table regend, main text, or inethods section.			
n/a	Confirmed				
	The exact	sample size (n) for each experimental group/condition, given as a discrete number and unit of measurement			
	A stateme	nt on whether measurements were taken from distinct samples or whether the same sample was measured repeatedly			
		tical test(s) used AND whether they are one- or two-sided on tests should be described solely by name; describe more complex techniques in the Methods section.			
\boxtimes	A descript	ion of all covariates tested			
\boxtimes	A descript	ion of any assumptions or corrections, such as tests of normality and adjustment for multiple comparisons			
\boxtimes		ription of the statistical parameters including central tendency (e.g. means) or other basic estimates (e.g. regression coefficient) tion (e.g. standard deviation) or associated estimates of uncertainty (e.g. confidence intervals)			
\boxtimes		pothesis testing, the test statistic (e.g. F , t , r) with confidence intervals, effect sizes, degrees of freedom and P value noted as as exact values whenever suitable.			
\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				
\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					
Policy information about <u>availability of computer code</u>					
Da	ita collection	Provide a description of all commercial, open source and custom code used to collect the data in this study, specifying the version used OR state that no software was used.			

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.

Provide a description of all commercial, open source and custom code used to analyse the data in this study, specifying the version used OR

Data

Data analysis

Policy information about <u>availability of data</u>

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

state that no software was used.

- A list of figures that have associated raw data
- A description of any restrictions on data availability

Data are available on request due to privacy or other restrictions

Field-spe	ecific reporting					
Please select the or	ne below that is the best fit for y	our research. If you are not sure, read the appropriate sections before making your selection.				
\times Life sciences	Behavioural & soc	ial sciences Ecological, evolutionary & environmental sciences				
For a reference copy of t	the document with all sections, see <u>natur</u>	e.com/documents/nr-reporting-summary-flat.pdf				
Life scier	Life sciences study design					
All studies must dis	sclose on these points even whe	n the disclosure is negative.				
Sample size	5					
Data exclusions	no exclusion was required					
Replication	not applicable					
Randomization	not applicable					
Blinding	not applicable					
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 & exp	perimental systems	Methods				
n/a Involved in th	ie study	n/a Involved in the study				
Antibodies		ChIP-seq				
Eukaryotic cell lines		Flow cytometry				
Palaeontology and archaeology MRI-based neuroimaging						
Animals and other organisms						
Human res	search participants					
	esearch of concern					
Human rese	arch participants					
Policy information	about <u>studies involving human r</u>	esearch participants				
Population chara	cteristics We have five rese	arch participants and details were described in the paper.				

All research participants were referred by clinician for genetic testing.

Ethical Review Committee of the Faculty of Biological Sciences, University of Dhaka and Institutional Review Board of Holy

Note that full information on the approval of the study protocol must also be provided in the manuscript.

Family Red Crescent Medical College

Recruitment

Ethics oversight