nature portfolio

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Reporting Summary

Nature Portfolio 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 Portfolio policies, see our <u>Editorial Policies</u> and the <u>Editorial Policy Checklist</u>.

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FOI d	an Statistical an	laryses, commit that the following items are present in the figure legend, table legend, main text, or Methods Section.				
n/a	Confirmed					
	The exact	sample size (n) for each experimental group/condition, given as a discrete number and unit of measurement				
\boxtimes	A stateme	ent on whether measurements were taken from distinct samples or whether the same sample was measured repeatedly				
\boxtimes		tical test(s) used AND whether they are one- or two-sided non tests should be described solely by name; describe more complex techniques in the Methods section.				
\boxtimes	A descript	cion of all covariates tested				
\boxtimes	A descript	cion of any assumptions or corrections, such as tests of normality and adjustment for multiple comparisons				
	A full desc AND varia	scription of the statistical parameters including central tendency (e.g. means) or other basic estimates (e.g. regression coefficient) lation (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>					
\boxtimes	For Bayes	ian 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	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.						
Sof	tware an	d code				
Polic	y information	about <u>availability of computer code</u>				
Da	ta collection	Publicly commercially available Covidence software used to store data from systematic review.				
Da	ta analysis	Summary data is presented without statistical analyses.				
		g 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 encourage code deposition in a community repository (e.g. GitHub). See the Nature Portfolio guidelines for submitting code & software for further information.				

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:

- Accession codes, unique identifiers, or web links for publicly available datasets
- A description of any restrictions on data availability
- For clinical datasets or third party data, please ensure that the statement adheres to our policy

All studies reviewed were identified via publicly available databases (PubMed and Embase). We have uploaded excel files for summary data included in figures. Article review data supporting the findings of this study are available upon reasonable request from the corresponding author.

on.					
Life sciences study design					
d.					
Studies were excluded if they included mixed participant populations (i.e. type 1 and type 2 diabetes) or populations with inconsistent definitions across papers (i.e. latent onset diabetes in adults), or had a sample size of less than 10/group.					
Assessments were performed by two independent investigators.					
This was a systematic review so randomization in a traditional sense does not apply but covidence software used was utilized to assign reviews to specific abstract and manuscript reviews.					
Reviewers were blinded to results of the second independent reviewer review.					
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Palaeontology and archaeology Animals and other organisms

Dual use research of concern

Clinical data