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Competing interests declaration

In the interest of transparency and to help readers form their own judgements of potential bias, Nature Research journals require authors to declare any competing financial and/or non-financial interest in relation to the work described in the submitted manuscript.

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- ☒ We have provided a full data availability statement in the manuscript.

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Code availability statement

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- ☒ ☐ The format shows data distribution clearly (e.g. dot plots, box-and-whisker plots)
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- ☒ ☐ Unique biological materials
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- ☒ ☐ Human embryos, gametes and/or stem cells
- ☐ ☒ Human research participants
- ☒ ☐ Clinical data

Human research participants

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Ethical compliance

- ☒ We have complied with all relevant ethical regulations and include a statement affirming this in the manuscript.

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- ☒ We have obtained informed consent from all participants and this is noted in the manuscript.

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Date May 16, 2022

