***eLife’s* transparent reporting form**

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**Sample-size estimation**

* You should state whether an appropriate sample size was computed when the study was being designed
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* If no explicit power analysis was used, you should describe how you decided what sample (replicate) size (number) to use

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This was a statistical population analysis and there was no need to compute a sample size before carrying out the study.

**Replicates**

* You should report how often each experiment was performed
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The correlation analysis was done independently by three of the authors. There is no experimental information in this manuscript.

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* Statistical analysis methods should be described and justified
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* Indicate how samples were allocated into experimental groups (in the case of clinical studies, please specify allocation to treatment method); if randomization was used, please also state if restricted randomization was applied
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Not applicable

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Please indicate the figures or tables for which source data files have been provided:

Source data for Figure 2 is in cdc analysis file. Source data for blood banking distributions in Figure 1 and 2 is in ‘distribution data from blood bankers’ file.