***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

Please outline where this information can be found within the submission (e.g., sections or figure legends), or explain why this information doesn’t apply to your submission:

See ‘METHODS: *Participants*’

**Replicates**

* You should report how often each experiment was performed
* You should include a definition of biological versus technical replication
* The data obtained should be provided and sufficient information should be provided to indicate the number of independent biological and/or technical replicates
* If you encountered any outliers, you should describe how these were handled
* Criteria for exclusion/inclusion of data should be clearly stated
* High-throughput sequence data should be uploaded before submission, with a private link for reviewers provided (these are available from both GEO and ArrayExpress)

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This submission reports the results of 1 study with large sample size (N = 102). No outliers were identified. See ‘RESULTS’ and ‘METHODS: *General procedure and pharmacological manipulation’.*

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* Statistical analysis methods should be described and justified
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* For each experiment, you should identify the statistical tests used, exact values of N, definitions of center, methods of multiple test correction, and dispersion and precision measures (e.g., mean, median, SD, SEM, confidence intervals; and, for the major substantive results, a measure of effect size (e.g., Pearson's r, Cohen's d)
* Report exact p-values wherever possible alongside the summary statistics and 95% confidence intervals. These should be reported for all key questions and not only when the p-value is less than 0.05.

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This information can be found in ‘RESULTS’. Additional information can be found in ‘SUPPLEMENTARY MATERIALS’

(For large datasets, or papers with a very large number of statistical tests, you may upload a single table file with tests, Ns, etc., with reference to sections in the manuscript.)

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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
* Indicate if masking was used during group allocation, data collection and/or data analysis

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See ‘RESULTS’, ‘METHODS: *General procedure and pharmacological manipulation’* and ‘METHODS: *learning task*’.

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* Include model definition files including the full list of parameters used
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Please indicate the figures or tables for which source data files have been provided:

All raw data (including data for Figures 2 & 3 and Table 1) and analysis scripts can be accessed at the Open Science Framework data repository: <https://osf.io/z59us/?view_only=0ffe62256536421489d6aeddedeb2ba6>