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

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* 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 information can be found in the methods section “Sample size estimation, experimental repetition, group allocation”.

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* You should include a definition of biological versus technical replication
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* Statistical analysis methods should be described and justified
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* 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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(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
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Please indicate the figures or tables for which source data files have been provided:

Figure 3 and Figure 2-Figure Supplement 1: Western blot raw data files -> Figure 3-source data 1

Figure 2-Figure Supplement 1 and Figure 3-Figure Supplement 1: Genotyping gel raw data files -> Figure 2-figure supplement 1-source data 1