***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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Details of data analysis are included in the Materials and Method section and figure legends. Statistical significance (p-value) was analyzed using an unpaired 2-tailed Student’s t-test. Information about sample size (number of foci and cells analyzed) is provided in the figure legends.

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* You should report how often each experiment was performed
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Information about experimental details is provided in Materials and Methods and figure legends. All results were confirmed by multiple independent repetitions. In addition, our studies were carried out with gene silencing, mutation, CRISPR/Cas9-mediated knockout, and a unique small molecule inhibitor, to ensure the comprehensive and rigorous investigation.

**Statistical reporting**

* Statistical analysis methods should be described and justified
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No animal or human subjects involved; no group allocation is involved.

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