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CRITERIA FOR JUDGMENT

Research Articles should report a major breakthrough in a particular field. They should be in the top 20% of the papers that *Science* publishes and be of strong interdisciplinary interest or unusual interest to the specialist.

Overall Recommendation: On the basis of the mission statement above, recommend in your review whether the paper should be published in *Science* and provide a more detailed critique based on the following:

Technical Rigor: Evaluate whether, or to what extent, the data and methods substantiate the conclusions and interpretations. If appropriate, indicate what additional data and information are needed to do so.

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Data. The data necessary to support, understand, and extend the conclusions should be presented in the paper or Supporting Online material or should be deposited in a database upon publication. Data presentation should follow conventions in your field. Please comment on the whether these conditions are met or indicate how they can be.

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Length. Research Articles may be up to 5 printed pages (4000 – 5000 words). The data and ideas should be such that they warrant more space than a Report (typically 2500 words, or 3 pages).

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The final selection is based on relative quality of papers rather than absolute merit and is constrained by available space in Science and our commitment to balance subject matter.

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Should this manuscript be accompanied by a Perspective?

Perspectives are short commentaries on current research published in *Science* or elsewhere. If you feel that this work deserves such a discussion for a wider audience, please include a note to the editor. Please provide recommendations of Perspective authors also.

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