Reviewer Instructions

Please evaluate this submission based on the PLOS ONE publication criteria, as addressed in the specific questions below. After these questions, you will have the opportunity to explain your responses and raise any additional concerns to the author.

For transparency, PLOS ONE does not allow "confidential comments to the editor" in the review form. Comments about research or publication ethics—without allegations of misconduct—can be included in the response to question 5. If you prefer to share those concerns confidentially, please contact us at plosreview@plos.org.

A red asterisk (*) indicates that a response is required.

Review Questions

*Comments to the Author

1. Is the manuscript technically sound, and do the data support the conclusions?
   The manuscript must describe a technically sound piece of scientific research with data that supports the conclusions. Experiments must have been conducted rigorously, with appropriate controls, replication, and sample sizes. The conclusions must be drawn appropriately based on the data presented.
   Please select a response

2. Has the statistical analysis been performed appropriately and rigorously?
   Please select a response

3. Does the manuscript adhere to the PLOS Data Policy?
   Authors must follow the PLOS data policy, which requires authors to make all data underlying the findings described in their manuscript fully available without restriction. Please refer to the author’s Data Availability Statement in the manuscript. All data and related metadata must be deposited in an appropriate public repository, unless already provided as part of the submitted article or supporting information. If there are restrictions on the ability of authors to publicly share data—e.g., privacy or use of data from a third party—these reasons must be specified.
   Please select a response

4. Is the manuscript presented in an intelligible fashion and written in standard English?
   PLOS ONE does not copyedit accepted manuscripts, so the language in submitted articles must be clear, correct, and unambiguous. Any typographical or grammatical errors should be corrected at revision, as please note any specific errors here.
   Please select a response

5. Review Comments to the Author
   Please use the space provided to explain your answers to the questions above. You may also include additional comments for the author, including concerns about dual publication, research ethics, or publication ethics. (Please upload your review as an attachment if it exceeds 20,000 characters) (Limit 100 to 20000 Characters)
   Character Count: 0

6. If you would like your identity to be revealed to the authors, please include your name here (optional).
   Your name and review will not be published with the manuscript. (Limit 200 Characters)
   Character Count: 0

*Confidential to Editor

1. Do you have any potential or perceived competing interests that may influence your review? Please review our Competing Interests Policy and declare any potential interests that you feel the Editor should be aware of when considering your review. If you have no competing interests, please write "I have no competing interests." (Limit 20000 Characters)
   Character Count: 0

2. Did you receive any assistance in preparing this review (e.g., from a post-doc or graduate student)? If yes, please provide his/her name and title here. If you have chosen to reveal your identity to the authors in question 6 above, please include the name of the person who assisted you in the response to question 6 as well. (optional) (Limit 200 Characters)
   Character Count: 0

3. If accepted, do you think this submission should be highlighted on the PLOS ONE website? PLOS ONE does not evaluate manuscripts based on potential significance or readership. We aim to provide tools for readers to filter and evaluate our publications. (optional)
   Please select a response