

Editorial Note: This manuscript has been previously reviewed at another journal that is not operating a transparent peer review scheme. This document only contains reviewer comments and rebuttal letters for versions considered at *Nature Communications*.

Reviewers' Comments:

Reviewer #1:

Remarks to the Author:

Thank you for addressing all of the reviews of your first submission. The new version of the paper is greatly improved and I appreciate the work you did to get it to this point.

Reviewer #2:

Remarks to the Author:

The authors have addressed my comments and questions adequately. The paper has improved significantly compared to the first version. Well done!

Reviewer #3:

Remarks to the Author:

I have reviewed the revised version of the manuscript alongside my original review. My concerns have been adequately addressed and I believe the manuscript is suitable for publication in *Nature Communications*. It is a nice piece of work that will be welcomed by the RNA synthetic biology community.