Feeding and thermal conditioning enhance coral temperature tolerance in juvenile *Pocillopora acuta*

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Note: Reports are unedited and appear as submitted by the referee. The review history appears in chronological order.

Note: This manuscript was transferred from another Royal Society journal with peer review.

Review History

Decision letter (RSOS-210644.R0)

We hope you are keeping well at this difficult and unusual time. We continue to value your support of the journal in these challenging circumstances. If Royal Society Open Science can assist you at all, please don't hesitate to let us know at the email address below.

Dear Dr Huffmyer

On behalf of the Editors, we are pleased to inform you that your Manuscript RSOS-210644 "Feeding and thermal conditioning enhance coral temperature tolerance in juvenile *Pocillopora acuta*" has been accepted for publication in Royal Society Open Science subject to minor revision in accordance with the referees' reports. Please find the referees' comments along with any feedback from the Editors below my signature.

We invite you to respond to the comments and revise your manuscript. Below the referees’ and Editors’ comments (where applicable) we provide additional requirements. Final acceptance of your manuscript is dependent on these requirements being met. We provide guidance below to help you prepare your revision.
Please submit your revised manuscript and required files (see below) no later than 7 days from today’s (ie 28-Apr-2021) date. Note: the ScholarOne system will ‘lock’ if submission of the revision is attempted 7 or more days after the deadline. If you do not think you will be able to meet this deadline please contact the editorial office immediately.

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Thank you for submitting your manuscript to Royal Society Open Science and we look forward to receiving your revision. If you have any questions at all, please do not hesitate to get in touch.

Kind regards,
Royal Society Open Science Editorial Office
Royal Society Open Science
openscience@royalsociety.org

on behalf of Dr Cynthia Downs (Associate Editor) and Pete Smith (Subject Editor)
openscience@royalsociety.org

Associate Editor Comments to Author (Dr Cynthia Downs):
Associate Editor
Comments to the Author:
I reviewed this manuscript, the reviewer comments from Proc B, and the response to the reviewer comments. The authors have made sufficiently address the reviewers’ comments and I enjoyed reading this well-written manuscript of a well-designed study. The changes broaden the implication of the research by putting it into a broader framework and support the results since they are robust to different statistical frameworks. I have no major edit and only one minor comment. Change the colors in Fig 5 to match those in Fig 3 & 4.

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Author's Response to Decision Letter for (RSOS-210644.R0)

See Appendix A.

Decision letter (RSOS-210644.R1)

We hope you are keeping well at this difficult and unusual time. We continue to value your
support of the journal in these challenging circumstances. If Royal Society Open Science can assist
you at all, please don't hesitate to let us know at the email address below.

Dear Dr Huffmyer,

It is a pleasure to accept your manuscript entitled "Feeding and thermal conditioning enhance
coral temperature tolerance in juvenile &lt;em&gt;Pocillopora acuta&lt;/em&gt;" in its current form for
publication in Royal Society Open Science. The comments of the reviewer(s) who reviewed your
manuscript are included at the foot of this letter.

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Thank you for your fine contribution. On behalf of the Editors of Royal Society Open Science, we look forward to your continued contributions to the Journal.

Kind regards,
Anita Kristiansen
Editorial Coordinator

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on behalf of Dr Cynthia Downs (Associate Editor) and Pete Smith (Subject Editor)
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Appendix A

Associate Editor Comments to Author (Dr Cynthia Downs):
Associate Editor
Comments to the Author:
I reviewed this manuscript, the reviewer comments from Proc B, and the response to the reviewer comments. The authors have made sufficiently address the reviewers' comments and I enjoyed reading this well-written manuscript of a well-designed study. The changes broaden the implication of the research by putting it into a broader framework and support the results since they are robust to different statistical frameworks. I have no major edit and only one minor comment. Change the colors in Fig 5 to match those in Fig 3 & 4.

We thank the associate editor for their positive review of our manuscript and thank the previous reviewers for comments that have improved our manuscript. In this revision, we have changed the colors of Fig 5 to match those in Fig 3 and 4 by using color to denote feeding treatment (orange = fed, purple = unfed) and using line type to denote temperature treatment (solid = ambient, dotted = cool). We have revised the figure captions to reflect this change in color. We hope that our manuscript is now suitable for publication in Royal Society Open Science.