



Life Science Alliance

# The impact of poly-A microsatellite heterologies in meiotic recombination

Angelika Heissl, Andrea Betancourt, Philipp Hermann, Gundula Povysil, Barbara Arbeithuber, Andreas Futschik, Thomas Ebner, and Irene Tiemann-Boege

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*Corresponding author(s): Irene Tiemann-Boege, Johannes Kepler University, Linz, Austria and Angelika Heissl, Institute of Biophysics, Johannes Kepler University Linz*

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*Scientific Editor: Andrea Leibfried*

## Transaction Report:

(Note: With the exception of the correction of typographical or spelling errors that could be a source of ambiguity, letters and reports are not edited. The original formatting of letters and referee reports may not be reflected in this compilation.)

Please note that the manuscript was previously reviewed at another journal and the reports were taken into account in the decision-making process at Life Science Alliance. Since the original reviews are not subject to Life Science Alliance's transparent review process policy, the reports and author response cannot be published.

March 20, 2019

RE: Life Science Alliance Manuscript #LSA-2019-00364-T

Irene Tiemann-Boege  
Institute of Biophysics  
Johannes Kepler University  
Linz, Austria

Dear Dr. Tiemann-Boege,

Thank you for submitting your revised manuscript entitled "Length asymmetry of poly-A microsatellites strongly influences meiotic recombination hotspots" to Life Science Alliance. Your work was previously reviewed at another journal and the editors transferred those reports to us with your permission.

The reviewers who assessed your work elsewhere before noted a few technical issues and thought that the overall advance provided remains somewhat limited. The latter is not a concern for publication in Life Science Alliance, and as you can see below, original reviewer #2 appreciates the changes introduced to address the technical issues. We would thus be happy to publish your paper in Life Science Alliance pending final revisions necessary to meet our formatting guidelines:

- please include a summary blurb in our submission system
- please add the following callouts to the manuscript text: Figure 2A, 3C, 3D, Table S4
- please upload your manuscript text as a docx file that includes all figure legends (also S Figure legends), table legends as well as all tables
- please upload all figure files without legends and as individual files, also the supplementary figures
- as this is a primary research article, I would like to suggest to change the title to: The impact of poly-A microsatellite heterologies in meiotic recombination

If you are planning a press release on your work, please inform us immediately to allow informing our production team and scheduling a release date.

To upload the final version of your manuscript, please log in to your account:

<https://lsa.msubmit.net/cgi-bin/main.plex>

You will be guided to complete the submission of your revised manuscript and to fill in all necessary information.

To avoid unnecessary delays in the acceptance and publication of your paper, please read the following information carefully.

#### A. FINAL FILES:

These items are required for acceptance.

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-- High-resolution figure, supplementary figure and video files uploaded as individual files: See our detailed guidelines for preparing your production-ready images, <http://www.life-science-alliance.org/authors>

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## B. MANUSCRIPT ORGANIZATION AND FORMATTING:

Full guidelines are available on our Instructions for Authors page, <http://www.life-science-alliance.org/authors>

We encourage our authors to provide original source data, particularly uncropped/-processed electrophoretic blots and spreadsheets for the main figures of the manuscript. If you would like to add source data, we would welcome one PDF/Excel-file per figure for this information. These files will be linked online as supplementary "Source Data" files.

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**\*\*The license to publish form must be signed before your manuscript can be sent to production. A link to the electronic license to publish form will be sent to the corresponding author only. Please take a moment to check your funder requirements.\*\***

**\*\*Reviews, decision letters, and point-by-point responses associated with peer-review at Life Science Alliance will be published online, alongside the manuscript. If you do want to opt out of this transparent process, please let us know immediately.\*\***

Thank you for your attention to these final processing requirements. Please revise and format the manuscript and upload materials within 7 days.

Thank you for this interesting contribution, we look forward to publishing your paper in Life Science Alliance.

Sincerely,

Andrea Leibfried, PhD  
Executive Editor  
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69117 Heidelberg, Germany

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Reviewer #2 (Comments to the Authors (Required)):

My comments on a previous manuscript version were answered appropriately.

March 29, 2019

RE: Life Science Alliance Manuscript #LSA-2019-00364-TR

Irene Tiemann-Boege  
Johannes Kepler University, Linz, Austria  
Institute of Biophysics  
Gruberstrasse 40  
Linz 4020  
Austria

Dear Dr. Tiemann-Boege,

Thank you for submitting your Research Article entitled "The impact of poly-A microsatellite heterologies in meiotic recombination". It is a pleasure to let you know that your manuscript is now accepted for publication in Life Science Alliance. Congratulations on this interesting work.

The final published version of your manuscript will be deposited by us to PubMed Central upon online publication.

Your manuscript will now progress through copyediting and proofing. It is journal policy that authors provide original data upon request.

Reviews, decision letters, and point-by-point responses associated with peer-review at Life Science Alliance will be published online, alongside the manuscript. If you do want to opt out of this transparent process, please let us know immediately.

\*\*\*IMPORTANT: If you will be unreachable at any time, please provide us with the email address of an alternate author. Failure to respond to routine queries may lead to unavoidable delays in publication.\*\*\*

Scheduling details will be available from our production department. You will receive proofs shortly before the publication date. Only essential corrections can be made at the proof stage so if there are any minor final changes you wish to make to the manuscript, please let the journal office know now.

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Again, congratulations on a very nice paper. I hope you found the review process to be constructive and are pleased with how the manuscript was handled editorially. We look forward to future exciting submissions from your lab.

Sincerely,

Andrea Leibfried, PhD  
Executive Editor  
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