

Peer Review Information

Journal: Nature Genetics

Manuscript Title: *SF3B1* hotspot mutations confer a targetable replication stress response defect through PARP inhibition

Corresponding author name(s): Dr Rachael Natrajan

Editorial Notes:

Transferred manuscripts This document only contains reviewer comments, rebuttal and decision letters for versions considered at Nature Genetics.

Reviewer Comments & Decisions:

Decision Letter, initial version:

31st Mar 2023

Dear Dr. Natrajan,

Thank you for submitting your revised manuscript "<i>SF3B1</i> hotspot mutations confer a targetable replication stress response defect through PARP inhibition" (NG-A62138-T). It has now been seen by Reviewer #1 whose comments are below. The reviewers find that the paper has improved in revision, and therefore we'll be happy in principle to publish it in Nature Genetics, pending minor revisions to satisfy our editorial and formatting guidelines.

If the current version of your manuscript is in a PDF format, please email us a copy of the file in an editable format (Microsoft Word or LaTeX)-- we can not proceed with PDFs at this stage.

We are now performing detailed checks on your paper and will send you a checklist detailing our editorial and formatting requirements soon. Please do not upload the final materials and make any revisions until you receive this additional information from us.

I am delighted at this outcome and look forward to seeing the paper online and in print. Enjoy your holiday!

Sincerely,

Safia Danovi
Editor
Nature Genetics

Reviewer #1 (Remarks to the Author):

The authors have satisfactorily addressed my comments. Congratulations on a powerful and impactful study!

Final Decision Letter:

26th Jun 2023

Dear Dr. Natrajan,

I am delighted to say that your manuscript "*hotspot mutations confer sensitivity to PARP inhibition by eliciting a defective replication stress response.*" has been accepted for publication in an upcoming issue of Nature Genetics.

Over the next few weeks, your paper will be copyedited to ensure that it conforms to Nature Genetics style. Once your paper is typeset, you will receive an email with a link to choose the appropriate publishing options for your paper and our Author Services team will be in touch regarding any additional information that may be required.

After the grant of rights is completed, you will receive a link to your electronic proof via email with a request to make any corrections within 48 hours. If, when you receive your proof, you cannot meet this deadline, please inform us at rjsproduction@springernature.com immediately.

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Due to the importance of these deadlines, we ask that you please let us know now whether you will be difficult to contact over the next month. If this is the case, we ask you provide us with the contact information (email, phone and fax) of someone who will be able to check the proofs on your behalf, and who will be available to address any last-minute problems.

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I'm so excited to be publishing this paper. It's lovely work and I look forward to seeing it online and in print. Thanks for working with us.

Sincerely,

Safia Danovi
Editor
Nature Genetics