

Review of: "Study Importance of Mutation in RAD50 Gene Based on in Silico Analysis of in Vivo Mutation"

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Potential competing interests: No potential competing interests to declare.

Hello. Here is my review report.

1. Rewrite the abstract
2. Expand MRN in abstract (Abbreviations in abstract not suitable for reviewer)
3. What is the reason for choosing the specific protein (RAD50)? Is it a dominant gene? What about transcript variants/isoforms?
4. Need information on the importance of RAD50 in the introduction section
5. Complete the lacking CRISPR protocols in the methodology
6. Whether the mutation is heritable?
7. The current study induced NHEJ events; how were the edits similar in all? Needs major revision
8. Original chromatograms need to be added to confirm all the edited lines
9. Mention the homology model protocol in the methodology section
10. What about the R2 value and INDELS (%) in the ICE Synthego analysis?
11. Validation for the homology?

Finally, the MS needs major revision. The major focus of the MS and heritability in further generations needs to be addressed clearly before suitable for publication.

Thank you.