

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.

The authors provide an interesting work with the aim of studying the effect of a RAD50 mutation on zebrafish larvae development. I definitely find merit in your manuscript; the experimental study is clear, the methods and results are accurately described, but a number of points of criticism were raised, and some clarifications are required.

1. It is not clear how many microinjections the researchers performed. It is necessary to specify how many times the authors performed the injections.
2. We understand that the survival rate is very low in RAD50 knockout zebrafish embryos, but the number of 10 embryos analyzed is very low. Is it possible to increase it?
3. Do you have any evidence of differential RAD50 mRNA or protein expression in knockout larvae?
4. The modeling of the ASP641 site of RAD50 in Figure 6 is not clear. Please simplify it.