

Dear Editor

Many thanks for giving us an opportunity to revise the manuscripts. We tried to revise as per the suggestions of the reviewer. We hope the present manuscript meets the standards to be published in your esteemed journal. The point to point answers are provided in below.

Best regards,
Shinta

Reviewer 1

The article entitled "Recent advances in chromosome capture techniques unraveling 3D genome architecture in germ cells, health, and disease" is well compiled manuscript, and the authors summarized the current progresses in investigating the basic rules of control, chromatin folding, and functional areas in early embryogenesis. In general, the reviews are innovative, significant and useful for the further research of 3D genome architecture in germ cells, health, and disease. However, several technical issues should be addressed first.

(1)The great length was occupied by the whole reviews, and suggest to delete some duplicated and redundant portions .

Response: Dear reviewer thank you for your suggestion. We thoroughly go through the article and removed some parts which we feel are repeated and redundant.

(2)Plenty of the reference footnotes should be blacken, while more than two references should be sited as [29-31], not as [29, 30, 31].

Response: Dear reviewer, The reference citations are corrected to the extent suggested where more than 3 consecutive citations are added with hyphen (-) throughout the text.

(3)Some Latin names should be italic, such as *C. elegans*.

Response: Dear reviewer, The scientific names are made italicized throughout the manuscript.

(4)Why the authors presented the first Figure with no title and notes ?

Response: The figure 1A and 1B title and notes are provided in the manuscript.

(5)As for Figure 2, the boundary of cell was not completed.

Response: Dear reviewer, The figure 2 boundary has now been completed.

(6)The Table 1 might be not presented with colour, which should be shown with three lines.

Response: Dear reviewer, the table 1 is now shown with 3 lines.

(7)The formats of references are inconsistent, of which some ones presented the full names of the authors while some ones only showed the partial authors, and some ones set the published years after the author names while some ones put the published years at the last position.

Response: Dear reviewer, The format of references is made consistent now.

(8)Although less than 300 articles were cited in this review, we noticed there was on articles published in 2022 or 2023, while only 12 articles were cited after the 2020.

Dear reviewer we tried our best to cite relevant articles.