

MS ID: JoVE5945

Dear Dr. Steindel,

We thank you for the insightful comments that we believe have improved our manuscript significantly. We have submitted a revised manuscript, a rebuttal letter, and other related documents. Below are our point-by-point responses to your comments.

Best regards,

Ping Wei, MD, PhD
Shanghai Diabetes Institute, China

Editorial comments:

Changes to be made by the Author(s):

1. Please take this opportunity to thoroughly proofread the manuscript to ensure that there are no spelling or grammar issues. The JoVE editor will not copy-edit your manuscript and any errors in the submitted revision may be present in the published version.

Response:

We have proofread the manuscript to ensure that there are no spelling or grammar issues.

2. Please revise lines 29-30, 33-34, 44-45, 50-51, 69-72, 125-127, 146-147, 181-184, 192-194 to avoid previously published text.

Response:

In the revised version, we deleted the sentences in lines 29-30, 33-34, 44-45, 50-51, 125-127, 146-147, 192-194 in the formal version. We also revised the sentences in lines 69-72 and 181-184 in the formal version.

3. Please obtain explicit copyright permission to reuse any figures from a previous publication. Explicit permission can be expressed in the form of a letter from the editor or a link to the editorial policy that allows re-prints. Please upload this information as a .doc or .docx file to your Editorial Manager account. The Figure must be cited appropriately in the Figure Legend, i.e. "This figure has been modified from [citation]."

Response:

We have obtained the copyright permission of reusing the Figure 2 from the previous publication. We have uploaded this information as a .doc file to my Editorial Manager account. The Figure 2 is cited appropriately in the Figure Legend, "This figure has been modified from Wei et al.¹⁷."

4. Please upload each Figure individually to your Editorial Manager account as a .png, .tiff, .pdf, .svg, .eps, .psd, or .ai file.

Response:

We have uploaded each figure individually to my Editorial Manager account as a PDF file.

5. Please provide an institutional email address for each author if possible.

Response:

None of the authors have an institutional email address.

6. JoVE cannot publish manuscripts containing commercial language. This includes trademark symbols (™), registered symbols (®), and company names before an instrument or reagent. Please remove all commercial language from your manuscript and use generic terms instead. All commercial products should be sufficiently referenced in the Table of Materials and Reagents. You may use the generic term followed by “(see Table of Materials)” to draw the readers’ attention to specific commercial names. Examples of commercial sounding language in your manuscript are: Tween, Eppendorf, Eon, etc.

Response:

We have removed all the commercial language from the manuscript.

7. Please revise the protocol to contain only action items that direct the reader to do something (e.g., “Do this,” “Ensure that,” etc.). The actions should be described in the imperative tense in complete sentences wherever possible. Avoid usage of phrases such as “could be,” “should be,” and “would be” throughout the Protocol. Any text that cannot be written in the imperative tense may be added as a “Note.” Please include all safety procedures and use of hoods, etc. However, notes should be used sparingly and actions should be described in the imperative tense wherever possible. Please move the discussion about the protocol to the Discussion.

Response:

We have revised the protocol following the instruction.

8. Please highlight complete sentences (not parts of sentences). Please ensure that the highlighted part of the step includes at least one action that is written in imperative tense. Notes cannot usually be filmed and should be excluded from the highlighting. Please do not highlight any steps describing anesthetization and euthanasia.

Response:

We have revised the highlighted steps following the instruction.

9. Please include all relevant details that are required to perform the step in the highlighting. For example: If step 2.5 is highlighted for filming and the details of how to perform the step are given in steps 2.5.1 and 2.5.2, then the sub-steps where the details are provided must be highlighted.

Response:

Thank you. We have revised the protocol following the instruction.

10. Please revise the Protocol steps so that individual steps contain only 2-3 actions per step and a maximum of 4 sentences per step. Use sub-steps as necessary.

Response:

Thank you. We have revised the protocol following the instruction.

11. Discussion: Please remove the subheadings within the Discussion part and combine information for the two protocols (i.e., merge critical steps, modifications, etc. of both protocols).

Response:

Thank you. We have revised the protocol following the instruction.

12. References: Please do not abbreviate journal titles.

Response:

Thank you. We have revised the references following the instruction.

13. Table of Equipment and Materials: Please revise the Table of Materials to include the name, company, and catalog number of all relevant supplies, reagents, equipment and software. Please sort the items in alphabetical order according to the name of material/equipment.

Response:

Thank you. We have revised the references following the instruction.