

Re: Expression and role of piRNA in diabetic-retinopathy in mice

Dear Editors and Reviewers:

Thank you for your letter and for the reviewers' comments about our manuscript entitled " Expression and role of piRNA in diabetic-retinopathy in mice" again.

We are appreciated to the editors' and reviewers' comments on our manuscript .The manuscript was revised according to those comments you rose up.

Kind regards,

Yong Yu

Reviewer #1:

Scientific Quality: Grade B (Very good)

Language Quality: Grade B (Minor language polishing)

Conclusion: Accept (General priority)

Specific Comments to Authors: After reading this study carefully, I found it's very interesting. This study investigated the expression of piRNA in proliferative diabetic retinopathy mice. The results are in excellent, and well discussed. I recommend to accept this manuscript for publication.

Reviewer #2:

Scientific Quality: Grade B (Very good)

Language Quality: Grade B (Minor language polishing)

Conclusion: Minor revision

Specific Comments to Authors: piRNA plays an important role in transposon silencing, epigenetic regulation, protein regulation of genome rearrangement, spermatogenesis, and germ stem cell maintenance, and may plays an important role in the formation and development of diabetic retinopathy. However, few studies have explored this hypothesis. This study evaluated the role of piRNA in RNV diseases by sequencing of RNA obtained from the retinal tissues of mice with proliferative diabetic retinopathy mice and normal mice. The research methods are clearly described. The experimental models were well. Sequencing analysis are reasonable. The results of Fluorescence imaging, quantitative analysis of retinal vascular endothelial cells, high-throughput sequencing results, etc. are good. In the discussion section, those results are well discussed. Minor comments: 1. The manuscript requires a minor editing. 2. The abstract is too long, please short it. 3. The quality of the images should be improved. High resolution images should be provided. 4.

The stars in the figures should be noted and explained. 5. References list should be edited according to the journal's guidelines.

Response: Thank you the suggestions. We found some minor defects in the article and have made specific modifications , and the modified content has been uploaded in the form of a file.