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## Reviewer 1

In this manuscript, the authors report an original research to investigate the role of  $\gamma\delta$  T cell in PI-IBS. They concluded that the A2AR contributes to the facilitation of PI-IBS by  $\gamma\delta$  T cells via the PKA/CREB/NF- $\kappa$ B signaling pathway. The methods are clearly described and results are reasonable. This study is really useful for readers interested in pathogenesis of PI-IBS.

However, the following points need to be addressed. Minor comments: 1. The reference type needs to be revised according to journal guideline. 2. The scale bar should be added for each histopathological image in Figure 1.

**Response:** *Thank you for your suggestion. According to the criteria for manuscript revision by authors, we have added the PMID and DOI numbers, and make sure the number of references is in the correct order. And the scale bar was added in both figure 1 and figure 3.*

## Reviewer 2

“Adenosine 2A receptor contributes to the facilitation of post-infectious irritable bowel syndrome by  $\gamma\delta$  T cells via the PKA/CREB/NF- $\kappa$ B signaling pathway” by Dong et al. In my opinion, it is a well-written and interesting



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manuscript, and within the scope of World Journal of Gastroenterology. The authors investigated the role of  $\gamma\delta$  T cell in PI-IBS with the detailed biochemical and molecular experiments, and they concluded that the A2AR-PKA-CREB-NF- $\kappa$ B pathway is a crucial intracellular signaling route for the function of A2AR-induced  $\gamma\delta$  T cells' role in PI-IBS. **Two suggestions: 1) the manuscript needs to be polished the language. 2) All figure legends should be more detailed, which contribute to a more comprehensive understanding for readers.**

**Response:** *Thank you for your pertinent suggestion. We have polished the language according to your comments, and have supplemented more details in all of the figure legends to make the paper easier to understand.*

### **Reviewer 3**

This study is very well designed and the findings are very interesting. I recommend to accept this manuscript after a minor editing.

**Response:** *Special thanks to you for your good comments.*