

Dear Editors and Reviewers:

Thank you for your letter and for the reviewers' comments concerning our manuscript entitled "Taurine alleviates activated hepatic stellate cells through inhibiting autophagy and inducing ferroptosis" (Manuscript ID: 91036). Those comments are all valuable and very helpful for revising and improving our paper, as well as the important guiding significance to our researches. We have studied comments carefully and have made correction which we hope meet with approval. Revised portion are highlighted with yellow color in the revised manuscript. The main corrections in the paper and the responds to the reviewer's comments are as following:

Responds to the reviewer's comments:

Response to comment: 1. The article would benefit from a thorough refinement of the English language.

Response: Thanks very much for pointing out this issue. We have send it to English language refinement.

Response to comment: 2. The captions for Figures 2 and 5 are unclear.

Response: Thanks very much for pointing out this issue.

The caption for Figure 2 was modified as follows: Taurine inhibits autophagy in hepatic stellate cells. (A) Effects of taurine on the expression of autophagy-related proteins, including ATG5, LC3B, P62, and BECLIN1; (B) Taurine decreases the number of autophagosomes, bar = 1 μm , the yellow arrows in the figure indicate monolayer or bilayer autophagosomes. For the statistics of each panel in this figure, data are expressed as mean \pm SD, *p < .05 versus control, **p < .01 versus control, #p < .05 versus PDGF-BB, ##p < .01 versus PDGF-BB.

The caption for Figure 5 was modified as follows: The mechanism of taurine on anti-fibrosis in HSCs through three ways, which included: ① The inhibition of autophagy; ② The activation of ferritinophagy; ③ The induction of ferroptosis.

Response to comment: 3. The conclusion section lacks clarity and could be more explicit.

Response: Thanks very much for comments and suggestion. The conclusion section was modified as follows: Taurine inhibited autophagy of hepatic stellate cells, promoted ferroptosis and ferritinophagy of hepatic stellate cells, thus inhibiting the activation of hepatic stellate cells to alleviate hepatic fibrosis.

Moreover, we tried our best to improve the manuscript and made some changes in the manuscript, these changes will not influence the content and framework of the paper. And here we did not list the changes but highlighted

with yellow color in revised paper.

We appreciate for Editors/Reviewers' warm work earnestly, and hope that the correction will meet with approval.

Once again, thank you very much for your comments and suggestions.