

Dear editor and reviewers,

Thank you for the kind suggestions from you and invited reviewers. We will try our best to revise this manuscript under your further guidance.

Reviewer 1,

Questions

1) What the dose or precise volume of siRNA and RNA mimic was administrated through intravenous injection?

A: Thank you for your suggestions. The final dose of siRNA and RNA mimic was 33 ug per animal according to the manufacturer's instruction. We have added this information in the article.

2) Thank you for your suggestions. Did the animals anestheseate for this procedure of administration intravenous injection?

A: Thank you for your suggestions. There is no anesthesia before intravenous injection. We have added it in the method section

3) In the results showed in the figures 3, 4 and 5. What statistical analysis were used? Did the differences between groups analyze by Student's t-test? Because it showed three or four groups, so the more correct statistics analysis would be Dunnett test, or other post test for three or more groups and not two group as student's test.

A: Thank you for your suggestions. Differences between two groups were analysed using Student's *t*-test or the Mann-Whitney *U* test; differences among four groups were analysed with One-Way Anova. We have added this sentence in the statistics section.

Reviewer 2,

The paper is interesting. The methods are clear and robust. Although the design was based on just a few publications, the article explores the potential role of the miR-133a-UCP2 pathway in the pathogenesis of IBD. The findings provide a basis to conduct studies in humans to investigate this pathway, further understand the precise molecular mechanisms and potentially assess the utility of identifying therapeutic targets for IBD. The paper reads well, although it needs some degree of language polishing. For example, 'IBD progress' in the title could be changed to 'IBD progression' and so forth.

A: Thank you for your suggestions. Since the title can not be edited, we polished other words and sentences from native English speaker.

With best wishes!

Zun Xiang