

**Response to reviewers**

We would like to thank both reviewers and Company Editor-in-Chief for their constructive comments

**Reviewer 1**

We would like to thank the reviewer for his comments. We have now made revisions according to the reviewer's comments.

Frist, we have edited the manuscript and have shortened the section on methods of AMA detection. Next, we have added a paragraph on diagnosis and clinical characteristics of AMA-negative PBC.

**Reviewer 2**

We appreciate the reviewer's comments.