

Dear Editor,

Thank you very much for giving us a chance to revise the manuscript. We have carefully read the reviewers' comments on the manuscript and revised the manuscript based on these comments. We also have revised the manuscript to make it conforming to the journal style.

Please find attached point-by-point responses to the reviewers' comments.

Yours sincerely,

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Response to Reviewer reports:

Reviewer's code: 02446379

In this review article written by Yin He et al the authors presented the identification of genomic features associated with immunotherapy response in gastrointestinal cancers. Overall the study is quite interesting, well written, the language is satisfactory and the figures along with the tables are well organized. Moreover the article incorporates comprehensively information regarding the genomic features that are associated with immunotherapy response of gastrointestinal cancers. My suggestion is that the study could be accepted for publication to the WJGO in its current form.

Response: We thank the reviewer for the positive comments.

Reviewer's code: 00183086

This is a very interesting study with regard to potential identification of genomic features associated with immunotherapy response in gastrointestinal cancers. In my opinion, the survey should be accepted for publication in its current form. Modifications in the structure of Introduction section are highly advised as the number of paragraph should be reduced. Grammatical errors should also be corrected.

Response: We thank the reviewer for the positive comments and the valuable suggestions. We think that the three paragraphs in the Introduction section are clearly separated and well organized. Thus, we did not change the number of paragraphs. We have asked a native English speaker to correct the grammatical errors in the manuscript.

Reviewer's code: 02441722

Title: Identification of genetic features associated with immunotherapy response in gastrointestinal cancers. The authors are reviewing the specifically genomic features related to immunotherapy response in gastrointestinal cancers using the three genomic features (dMMR or MSI status, TMB and tumor aneuploidy. This manuscript is very interesting. However, I feel there are some problems in this article.

(1) Although the contents are very interesting, there are some places where it is difficult to understand the figures. I think that a more polite explanation is necessary.

Response: We thank the reviewer for this valuable suggestion. We have modified the figures to make them more easily understood.

(2) For the reader, author need to describe the calculation method and significance of the immune score and ploidy score.

Response: We thank the reviewer for this valuable suggestion. We have explained the method and significance of the immune score and ploidy score in the manuscript.

(3) In Figure1, author should indicate the meaning of each asterisk.

Response: We thank the reviewer for pointing out this omission. We have added an indication of the meaning of each asterisk in Figure 1 legend.

(4) In Figure 2B, author should indicate the unit and meaning of the vertical axis and the horizontal axis.

Response: We thank the reviewer for this valuable suggestion. We have added an indication of the meaning of the vertical axis and the horizontal axis in Figure 2B.

(5) Author indicated “We found that diverse immune signatures and ploidy scores in GI cancers, including all the six immune signatures in STAD, five in liver hepatocellular carcinoma (LIHC), four in COAD.” I can not understand the inverse correlation of these factors. Author should explain in more detail so that it can be understand.

Response: We thank the reviewer for this valuable suggestion. We have modified the Figure 3 to make it easier to understand the inverse correlation between immune signatures and ploidy scores.

(6) Author indicated “we found that the immune scores were inversely correlated with the ploidy scores in these GI cancer type (Figure 3). “ I can not find “ploidy scores” in Figure 3. Author should indicate the ploidy scores in Figure 3.

Response: We thank the reviewer for this valuable suggestion. We have modified the Figure 3 to exhibit the ploidy scores.