PEER-REVIEW REPORT

Name of journal: World Journal of Gastrointestinal Oncology

Manuscript NO: 59518

Title: Mining TCGA database for tumor mutation burden and their clinical implications in gastric cancer

Reviewer's code: 03017551

Position: Peer Reviewer

Academic degree: PhD

Professional title: Professor

Reviewer's Country/Territory: Poland

Author's Country/Territory: China

Manuscript submission date: 2020-09-17

Reviewer chosen by: Jia-Ping Yan

Reviewer accepted review: 2020-10-09 08:55

Reviewer performed review: 2020-10-16 10:51

Review time: 7 Days and 1 Hour

Scientific quality	[ ] Grade A: Excellent [Y] Grade B: Very good [ ] Grade C: Good [ ] Grade D: Fair [ ] Grade E: Do not publish
Language quality	[Y] Grade A: Priority publishing [ ] Grade B: Minor language polishing [ ] Grade C: A great deal of language polishing [ ] Grade D: Rejection
Conclusion	[ ] Accept (High priority) [Y] Accept (General priority) [ ] Minor revision [ ] Major revision [ ] Rejection
Re-review	[ ] Yes [Y] No
Peer-reviewer statements	Peer-Review: [Y] Anonymous [ ] Onymous Conflicts-of-Interest: [ ] Yes [Y] No

SPECIFIC COMMENTS TO AUTHORS

First - the authors developed a miRNA-based signature to predict TMB values, which might serve as a surrogate biomarker for TMB in GC and aid physicians in clinical medical decision-making. Second - the conclusions appropriately summarize the data that this study provided. Third - this publication may have an impact on the clinical practice in the course of gastric cancer.

PEER-REVIEW REPORT

Name of journal: World Journal of Gastrointestinal Oncology

Manuscript NO: 59518

Title: Mining TCGA database for tumor mutation burden and their clinical implications in gastric cancer

Reviewer's code: 03388124

Position: Peer Reviewer

Academic degree: MD, PhD

Professional title: Associate Professor, Attending Doctor

Reviewer's Country/Territory: United States

Author's Country/Territory: China

Manuscript submission date: 2020-09-17

Reviewer chosen by: Jia-Ping Yan

Reviewer accepted review: 2020-10-10 01:51

Reviewer performed review: 2020-10-18 01:39

Review time: 7 Days and 23 Hours

Scientific quality	[Y] Grade A: Excellent [ ] Grade B: Very good [ ] Grade C: Good [ ] Grade D: Fair [ ] Grade E: Do not publish
Language quality	[Y] Grade A: Priority publishing [ ] Grade B: Minor language polishing [ ] Grade C: A great deal of language polishing [ ] Grade D: Rejection
Conclusion	[Y] Accept (High priority) [ ] Accept (General priority) [ ] Minor revision [ ] Major revision [ ] Rejection
Re-review	[Y] Yes [ ] No
Peer-reviewer statements	Peer-Review: [Y] Anonymous [ ] Onymous Conflicts-of-Interest: [ ] Yes [Y] No

SPECIFIC COMMENTS TO AUTHORS

This study utilized TCGA data for gastric cancer, and analyzed tumor mutation burden and miRNA signature for prognostic significance. The study is well designed and executed. The conclusion is reasonable based on the results. The manuscript is well written and easy to read.

PEER-REVIEW REPORT

Name of journal: World Journal of Gastrointestinal Oncology

Manuscript NO: 59518

Title: Mining TCGA database for tumor mutation burden and their clinical implications in gastric cancer

Reviewer's code: 00073640

Position: Editorial Board

Academic degree: PhD

Professional title: Associate Research Scientist

Reviewer's Country/Territory: Slovenia

Author's Country/Territory: China

Manuscript submission date: 2020-09-17

Reviewer chosen by: Jia-Ping Yan

Reviewer accepted review: 2020-10-09 14:43

Reviewer performed review: 2020-10-18 12:58

Review time: 8 Days and 22 Hours

Scientific quality	[ ] Grade A: Excellent [Y] Grade B: Very good [ ] Grade C: Good [ ] Grade D: Fair [ ] Grade E: Do not publish
Language quality	[ ] Grade A: Priority publishing [Y] Grade B: Minor language polishing [ ] Grade C: A great deal of language polishing [ ] Grade D: Rejection
Conclusion	[ ] Accept (High priority) [Y] Accept (General priority) [ ] Minor revision [ ] Major revision [ ] Rejection
Re-review	[Y] Yes [ ] No
Peer-reviewer statements	Peer-Review: [Y] Anonymous [ ] Onymous Conflicts-of-Interest: [ ] Yes [Y] No

SPECIFIC COMMENTS TO AUTHORS

The manuscript deals with currently very interesting issue (also references are very recent) that has potential for clinical practice. The manuscript is well structured, well written and topical. Also figures and tables are of great help. However, there are some minor mistakes that need to be corrected for instance: -Please check the grammar – for instance page 4/49 – Core tip section – first sentence – there is probably missing something (is?) in the first sentence: "Core tip: Whether tumor mutation burden (TMB) associated with favorable prognosis remained controversy in various cancers." -

Figure 8 : please include in the legend what bullet with the number (17-22miRNAs) denotes -   Figure S1: there are 2 times P<0.001 (* and .) but on the figure there are only * - was these error? -Table S1: colorectal cancer patients – please correct into gastric cancer patiens

Scientific quality	[Y] Grade A: Excellent [ ] Grade B: Very good [ ] Grade C: Good [ ] Grade D: Fair [ ] Grade E: Do not publish
Language quality	[Y] Grade A: Priority publishing [ ] Grade B: Minor language polishing [ ] Grade C: A great deal of language polishing [ ] Grade D: Rejection
Conclusion	[ ] Accept (High priority) [Y] Accept (General priority) [ ] Minor revision [ ] Major revision [ ] Rejection
Peer-reviewer statements	Peer-Review: [Y] Anonymous [ ] Onymous Conflicts-of-Interest: [ ] Yes [Y] No

SPECIFIC COMMENTS TO AUTHORS

Authors corrected manuscript in all suggested points. I have no comments only congrats for very good work.