PEER-REVIEW REPORT

Name of journal: *World Journal of Clinical Oncology*

Manuscript NO: 69987

Title: Eight Hub Genes as Potential Biomarkers for Breast Cancer Diagnosis and Prognosis: A TCGA-based Study

Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 05473023

Position: Peer Reviewer

Academic degree: PhD

Professional title: Research Associate

Reviewer's Country/Territory: Japan

Author's Country/Territory: China

Manuscript submission date: 2021-08-02

Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-08-02 02:08

Reviewer performed review: 2021-08-07 15:34

Review time: 5 Days and 13 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Scientific quality	[ ] Grade A: Excellent [Y] Grade B: Very good [ ] Grade C: Good [ ] Grade D: Fair [ ] Grade E: Do not publish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) [ ] Accept (General priority) [Y] 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

This manuscript presented the novel prognosis markers in breast cancer by re-analysis of The Cancer Genome Atlas(TCGA). The authors show the hub genes of DEGs by network analysis. Several hub genes correlated to poor prognosis in breast cancer. The presented study is organized well. However, there are several concerns for the publication. The authors should address all my concerns.   Major comments 1. The authors show the hub genes by network analysis. The hub genes is derived by calculation of the network centrality. The authors should show the type of centrality which presented in the work. 2. Survival analysis of hub genes is showed as Kaplan-Meier plots. The authors should show the clinical dataset which used in the study, and describe the details of clinical dataset. Additionally, the authors should show the survival analysis of the hub genes in TCGA breast cancer dataset with molecular subtypes of breast cancer.

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Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 03877250

Position: Peer Reviewer

Academic degree: PhD

Professional title: Assistant Professor

Reviewer's Country/Territory: Taiwan

Author's Country/Territory: China

Manuscript submission date: 2021-08-02

Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-08-04 06:34

Reviewer performed review: 2021-08-13 12:25

Review time: 9 Days and 5 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
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SPECIFIC COMMENTS TO AUTHORS

Manuscript were well-written and data were nicely interpreted.   The only one minor issue is the small font size of Figure 2. It will be great if they can find a way to show the data with larger font size. Other than that, I have no further question.