Reviewer's report

Title: Evaluation of BRCA1-related molecular features and microRNAs as prognostic factors for triple negative breast cancers.

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Reviewer: Gulsah Cecener

Reviewer's report:

Aim of the study is establishing a correlation among the BRCA1-related molecular parameters, tumor characteristics and clinical follow-up of patients to find new prognostic factors.

In the manuscript, aim of the study was well described. However, in the introduction section, BRCA1-related parts could be mentioned briefly. Besides, it could be described the relationship between BARD1 and BRCA1 specifically. Chosen miRNAs are rely on the studies which is not published yet, however the reasons that why these miRNAs are chosen was not clear in the introduction. The methods are appropriate for the content and following figures and tables are clear enough to define the way of the study.

In introduction section, line 107, authors said that the expression of 27 tumoral miRNA were measured. However, authors did not mention which microRNAs are important in this study and add these numbers. Because authors measured expression of different microRNA and title includes microRNAs.

Line 146, authors mentioned why microRNA were chosen. However, which one have role in which pathway? Authors may be add a table to show these properties or may be used pathway program.

Authors did not include adjacent tissue in this study. The study includes comprehensive statistical analysis. However, this data might be added to obtain comparison data.

Chang et al. Molecular Cancer (2015) 14:36 and Cascione et al. (2013) studied association microRNAs with triple negative breast cancer. They mentioned determined microRNAs in abstract section. Authors added these detail in abstract and introduction section.

M. Boukerroucha (2015) and Okeye et al. (2015) have showed that “miRNAs such as miR-141-3p, miR-203a, miR-548c-3p, miR-607 and miR-96-5p were appreciably upregulated in TNBC. Authors should be added these references. Additionally, authors might be added this article in discussion section G Cecener et al. (2015) “BRCA mutations cause reduction in miR-200c expression in triple negative breast cancer”.

Minor revision:

*85- "transcriptional" instead of "transcriptionnal"