Reviewer’s report

Title: Association between gene expression profile of the primary tumor and chemotherapy response of metastatic breast cancer.

Version: 0 Date: 26 Jun 2017

Reviewer: Sunil Badve

Reviewer's report:

The authors perform gene expression analysis of a series of cases with metastatic breast cancer and identify some novel findings. In addition they attempt to develop a gene signature to predict response in metastatic breast cancer. Unfortunately they are unable to validate the signature in an independent cohort; this is clearly stated in the paper and the abstract.

Comments:

1) Gene expression analysis is including the documentation of metastatic tumors having Lum A profile is an important finding and could be more prominently presented.

2) the discussion could be shortened as the genes identified have limited relevance.

3) Lastly, the lack of validation could be due to absence of suitable validation cohort. the authors are being unduely harsh with themselves

Are the methods appropriate and well described?
If not, please specify what is required in your comments to the authors.

Yes

Does the work include the necessary controls?
If not, please specify which controls are required in your comments to the authors.

Yes

Are the conclusions drawn adequately supported by the data shown?
If not, please explain in your comments to the authors.

Yes

Are you able to assess any statistics in the manuscript or would you recommend an additional statistical review?


If an additional statistical review is recommended, please specify what aspects require further assessment in your comments to the editors.

I am able to assess the statistics

**Quality of written English**
Please indicate the quality of language in the manuscript:

Acceptable

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