Reviewer's report

Title: Using logistic regression to improve the prognostic value of microarray gene expression data sets: application to early-stage squamous cell carcinoma of the lung and triple negative breast carcinoma

Version: 6 Date: 17 May 2014

Reviewer: Zhifu Sun

Reviewer's report:

Discretionary Revisions
I appreciate the effort made by the authors in this revision by conducting more analyses and including the breast cancer data set. Although both pointing to immune related genes that may be responsible for the survival difference, I still have a concern about its practical value as the authors did not demonstrate the enhanced predictability from the approach in a different set of patients using the top 24 markers selected for lung cancer, which is the only way to assess the validity and generalizability and demonstrate their real value.

Level of interest: An article whose findings are important to those with closely related research interests

Quality of written English: Acceptable

Statistical review: Yes, and I have assessed the statistics in my report.

Declaration of competing interests:
I declare that I have no competing interests