Reviewer’s report

Title: High incidence of microsatellite instability and loss of heterozygosity in three loci in breast cancer patients receiving chemotherapy: a prospective study

Version: 2  Date: 28 May 2012

Reviewer: Yih-Horng Shiao

Reviewer’s report:

This reviewer appreciates authors’ efforts to revise the manuscript. Unfortunately, they did not address many of my concerns. First, sequencing results were not provided to validate the discriminating efficacy of capillary gel electrophoresis and the true MSI/LOH in representative samples. Second, the MSI and/or LOH were not examined in archived breast tissues to correlate with immunohistochemical data. Third, authors’ response, “The tumor tissues were sampled and analyzed before starting chemotherapy regimen and reevaluated after being resected at the completion of the chemotherapy regimen”, is very confusing. It is unclear which tissue sample (before or after chemotherapy) from each patient was used for assay. Fourth, the primer concentration of “4 pmol/mL” is still incorrect.

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

Quality of written English: Needs some language corrections before being published

Statistical review: Yes, but I do not feel adequately qualified to assess the statistics.

Declaration of competing interests:

I declare that I have no competing interests.