Reviewer’s report

Title: The application of nonsense-mediated mRNA decay inhibition to the identification of breast cancer susceptibility genes

Version: 2 Date: 1 May 2012

Reviewer: Beatriz Carvalho

Reviewer’s report:

The authors complied to all comments raised by the reviewers. I have however a few minor comments:

1- Materials and methods, page 7, optimization of caffeine concentrations – Supplementary fig 1 should be referred here.

2- Material and methods, page 8, a sentence on primer sequences of qRT-PCR described in supplementary figure 2 (or supplementary table…) should be added.

3- Results, page 12, …(Figure 4 and Supplementary Figures 2-8), change it to (Figure 4 and Supplementary Figures 3-8).

4- Discussion, start with a small paragraph, summarizing the study, before starting immediately discussing the results.

5- Discussion, page 15, “Despite this analysis identifying few candidate genes per family, we did not identify genes any detectable nonsense mutations.” Replace by “Despite this analysis identifying few candidate genes per family, we did not identify any detectable nonsense mutations.”

6- Discussion, page 16, last paragraph, I miss a concluding remark that these data as well as the authors’s data show that GINI technique gives rise to high rate of false positive results.

7- Discussion, page 16, last paragraph, the authors added a reference, but forgot to include it in the reference list. Please check if all references are correctly cited in the text and listed in the Reference list.

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

Quality of written English: Acceptable

Statistical review: No, the manuscript does not need to be seen by a statistician.

Declaration of competing interests:

I declare that I have no competing interests