Reviewer's report

**Title:** The R337H Mutation in TP53 and Breast Cancer in Brazil

**Version:** 1  **Date:** 5 March 2012

**Reviewer:** Rodney J. Scott

**Reviewer's report:**

This study represents a comprehensive investigations into the frequency of the R337H P53 polymorphism in a large group of breast cancer patients.

**Major Compulsory Revision:**
There are a few points that require clarification. In the two patients identified with the R337H polymorphism their family histories are described. It would be valuable to know if the polymorphism segregated with the other family members who presented with a malignancy.

**Minor Essential Revision:**
A minor point is in the Abstract, the authors should change the last sentence of the background statement from "....low-penetrance breast cancer susceptibility gene." to "low-penetrance breast cancer susceptibility polymorphism." - we know that P53 is a breast cancer susceptibility gene.

**Level of interest:** An article of importance in its field

**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.