Reviewer's report

Title: Nuclear Receptor Coregulator SNP Discovery and Impact on Breast Cancer Risk

Version: 1 Date: 12 September 2009

Reviewer: Nobuyuki Hamajima

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Major Compulsory Revisions
1. Although the authors mentioned Hardy-Weiberg equilibrium tests in Statistical Analysis, there is no description on the results in Results/Discussion.
2. Please, describe the source of the controls. Were they inhabitants, health checkup examinees, or patients without cancer at some hospitals? How about their age range?

Minor essential revisions
3. The authors described in Abstract "1,509 matched controls", and "Controls were taken from the same gender, geographic area and ethnic background (Caucasian/German) as the cases. In an epidemiological sense, the selection of controls from the same population does not mean "matching". Please, delete the "matched" in Abstract. Matching is the technique to make the distribution of the selected matching factor among controls similar to that among cases. There are two methods; individual matching and frequency matching.
4. Please, add the full spelling for MAF at the first appearance in the text.
5. Please, replace "NCOA3" in Results/Discussion and Table 5 with SRC-3, because the mixture of the different names for one gene makes the reader confused. The explanation SRC-3/NCoA3/AIB1 in Background is, of course, essential.
6. In line 19 of page 12, "95%CI=0.041, Table 3" is "95%CI=0.041, Table 2".
7. In Table 2, "1.00" for OR of SRC-1 should be "1".
8. In Table 3, "0.48" for P should have the third decimal place, like the other P values.
9. If the ORs are not adjusted for age, please describe that they are crude OR. If the adjustment was conducted for some factors, indicate it in the text and/or Tables.

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.