Author's response to reviews

Title: A Multi-Institutional Study of the Prevalence of BRCA1 and BRCA2 Large Genomic Rearrangements in Familial Breast Cancer Patients

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Author's response to reviews: see over
Dear Editor,

Thanks for your comments on our manuscript. The reviewers’ insights and comments have helped make this an even better paper. We revised the manuscript according to the reviewers’ comments. We will address each of the specific reviewers’ comments below.

**REVIEWER 1**

1. **The wrong description of the exon 11-13 deletion, especially the location of the 3’ breakpoint**

   We revised the typographical error as follows.

   **Page 10, Results:** The 5’ breakpoint was not correlated with any Alu element, but the 3’ breakpoint was located within an AluJo element in intron 13.

2. **The incomplete nomenclature in Table 1**

   We revised the wrong description as follows.

   **Page 24, Table 1:** c.3416-c.4357+187delins187

3. **Possibility of recurrent LGRs in this population**

   We deleted the following sentence.

   **Page 11, Discussion:** “so recurrent LGR is less likely to occur in this
4. Duplication of the last part of the Discussion in the Conclusion section

We deleted the duplicated sentences in the Discussion section.

5. Figure 1

The subjects enrolled were not screened by a single genetic testing approach, and it may be a hindrance for readers to follow the manuscript. So, Figure 1 showing the study flowchart will be helpful to readers’ understanding. If necessary, it can be moved to supplementary material section.

REVIEWER 2

1. Duplication of the last part of the Discussion in the Conclusion section

We deleted the duplicated sentences in the Discussion section.

We believe that these comments respond to each of the reviewer’s constructive criticisms and that the amended manuscript succinctly conveys our case. Thank you again for your comments and detailed reviews of our manuscript.

Sincerely,
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