Reviewer's report

Title: Five recurrent BRCA1/2 mutations are responsible for cancer predisposition in the majority of Slovenian breast cancer families

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Reviewer: Giuseppe Palmieri

Reviewer's report:

In this study, Krajc and colleagues investigated about the prevalence of the BRCA1/2 mutations among Slovenian breast/ovarian cancer families.

The entire work has been well-conducted and well-organized for both family selection (it was crucial to adopt the criterion of selecting probands on the basis of the presence of two or more first-degree relatives with breast and/or ovarian cancer in the family) and mutation analysis (it was correct to use two different testing approaches: full screening for significant families and PTT analysis for lower risk probands). Results of the study are well-described throughout the manuscript.

- Major Compulsory Revisions
  NONE

- Minor Essential Revisions
  NONE

- Discretionary Revisions
  In Methods (section "Patients and families"), Authors indicated that the "study was performed in families residing in Slovenia".
  Was the Slovenian origin ascertained in all cases through genealogical studies?
  If yes, it is much more appropriate to indicate that families were originated from Slovenia and not only resident in Slovenia.

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