Reviewer's report

Title: Identification of differentially expressed genes using annealing control primer system in stage III serous ovarian carcinoma

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Reviewer: Gary Edward Gallick

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The manuscript of Kim et al uses annealing control primer-based PCR to identify differentially expressed genes in stage 3 serous ovarian cancer tissues compared to normal tissue. This is a robust technique that eliminates many of the past problems associated with other strategies. The approach is promising and the authors' use of the genes to examine survival analysis and survival analysis associated with chemoresistance. The results are promising. The problem this reviewer has with the work is lack of validation. Specifically major compulsory revisions should be:

(1) Several identified changes should be confirmed by Q-r t-PCR
(2) For those changes, protein levels should be examined.

Resolution of these issues would make this work a good contribution in understanding genes important to ovarian cancer progression and/ or genes that may be prognostic or predictive markers.

Level of interest: An article of importance in its field

Quality of written English: Needs some language corrections before being published

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

Declaration of competing interests:

I declare I have no competing interests