Reviewer’s report

Title: Prostate tumor overexpressed 1 overexpression correlates with tumor progression and predicts poor prognosis in breast cancer

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Reviewer: shunbin xiong

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Minor Essential Revision

This is a very interesting paper showing that PTOV1 overexpression is associated with breast cancer progression and prognosis. The finding is novel and important, especially the PTOV1 expression is also associated with ER status in the patients. My recommendation is minor revision. Of course the paper can be much better if the authors can address the mechanism of PTOV1 overexpression in breast cancer, as the authors mentioned in the paper that PTOV1 overexpression has effect on cell cycle, thus a straight forward way to test this is knocking down PTOV1 expression in the breast cancers to examine the effect. Other minor points are:

1. Some of the figure legends have abbreviations which are not clearly shown the full meaning, such as Figure 2, HCC 2. Table 3, authors can also include the analysis with PR and Her-2 correlation, even it is not significant.

3. Since all of the breast cancer cell lines showed high levels of PTOV1, is there any correlation also can be identified with the status of ER, PR, or HER-2 in cells? At least authors can put this in a table.

4. In Figure 4, the survival curve also start from 120%, it will be better to do it with 100%.

Level of interest: An article of importance in its field

Quality of written English: Acceptable

Statistical review: Yes, and I have assessed the statistics in my report.

Declaration of competing interests:

I declare that I have no competing interests.