Reviewer’s report

Title: Glutamate metabotropic receptor 4 (GRM4) inhibits cell proliferation, migration and invasion in breast cancer and is regulated by miR-328-3P and miR-370-3P

Version: 1 Date: 31 Mar 2019

Reviewer: Shu-Pin Huang

Reviewer's report:

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This is an interesting study regarding the important role of Glutamate metabotropic receptor 4 (GRM4) in breast cancer with solid functional studies. I have some minor comments:

1: The rationale/background: the authors should mention more about why choose GRM4 for study (why not other GRM protein family) what the literature suggest?

2: In the discussion part: since we know that breast cancer is adenocarcinoma, which have epithelium and stroma components, but the breast cancer cell line only represent the characteristics of epithelial part; Could authors address the possible important role of GRM4 in epithelial-stroma interaction in breast cancer?

Are the methods appropriate and well described?
If not, please specify what is required in your comments to the authors.

Yes

Does the work include the necessary controls?
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Yes
Are the conclusions drawn adequately supported by the data shown?  
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Not relevant to this manuscript

Quality of written English  
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Acceptable

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