Reviewers report

Title: Nuclear-encoded mitochondrial MTO1 and MRPL41 are regulated in an opposite epigenetic mode based on estrogen receptor status in breast cancer

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Reviewer: Wei-Neng Fu

Reviewer's report:

The research is meaningful and contributes to the field. The organization, quality of written English and statistic analysis of the manuscript is acceptable. However, the authors have obtained a plenty of data, but these data can not reveal the molecular mechanism of any epigenetic type in regulating the opposite expression patterns of MTO1 and MRPL41 in breast cancer with different ER status, which means the depth of the research is relatively not enough for publication.

The manuscript is acceptable if the authors follow the suggestion below:

The authors should focus on any type of epigenetics to explain how it causes the opposite expression patterns of the two genes in breast cancer with different ER status. For an example, the authors should know the methylated sites by sequencing and whether these sites affect the binding of E2 to the cis-elements within the promoter regions of the two genes.

Level of interest: An article of importance in its field

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.