Reviewer’s report

Title: Genome-wide analysis of aberrant methylation of enhancer DNA in human osteoarthritis

Version: 0 Date: 29 Sep 2019

Reviewer: Ramakrishna Kancha

Reviewer's report:

The manuscript details the analysis of aberrantly methylated DNA in osteoarthritis patients. Important findings include the organ-specific and gender-specific differences that have important clinical implications. The study was performed well and the results are interesting. However, the reviewer is interested in knowing the relationship between the methylation patterns that were detected in some cancer cell lines (for example in K562) and gender-specific phenotypes of OA. Overall, the study will be useful for specialists in the field and is acceptable in current form.

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?
If not, please specify which controls are required in your comments to the authors.

Yes

Are the conclusions drawn adequately supported by the data shown?
If not, please explain in your comments to the authors.

Yes

Are you able to assess any statistics in the manuscript or would you recommend an additional statistical review?
If an additional statistical review is recommended, please specify what aspects require further assessment in your comments to the editors.

Not relevant to this manuscript

Quality of written English
Please indicate the quality of language in the manuscript:

Needs some language corrections before being published

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