Reviewer’s report

Title: Investigation of molecular biomarker candidates for diagnosis and prognosis of chronic periodontitis by bioinformatics analysis of pooled microarray gene expression datasets in Gene Expression Omnibus (GEO)

Version: 1 Date: 11 Mar 2019

Reviewer: Yuichiro Kikuchi

Reviewer's report:

Authors have addressed most of the reviewer's comments adequately. However, I just have one comment in the revised discussion. Table 1 shows the number of healthy control persons and chronic periodontitis persons is different from the previous manuscript. I agree with this as another referee points out. But if authors do that, I think that the results will change a bit, but it seems to be exactly the same as the previous one (Table 2 ~ 8). Especially in Table 4 and 5, p-value and FDR are all the same value as the first edition. May I think that the result is exactly the same as the first draft, even if authors change the number of subjects? Please describe about this.

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.

I am able to assess the statistics

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

Acceptable
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