Reviewer’s report

Title: Vitamin D Receptor Gene Associations with Pulmonary Tuberculosis in a Tibetan Chinese population

Version: 0 Date: 13 Oct 2015

Reviewer: Javier Ibáñez

Reviewer's report:

This is a case-control study to examine the role of five VDR gene variants in Pulmonary Tuberculosis (PTB) in a Tibetan Chinese population. For this work, authors used a cohort of 217 patients and 383 unrelated controls. This work included the analysis of allelic, genotypic and haplotypic frequencies of the different groups. The preliminary results indicate that three genetic variants, namely rs11574143, rs11574079 and rs11168287, are associated to PTB in the studied population.

In my opinion, the objective of this study and the rationale about this are correct. I consider that this paper is suitable for publication, however I have minor comments that authors need to review prior to final acceptance. I list these observations below:

1. Could the authors include a table which contains the information about age and gender of the analyzed groups, cases and controls?

2. Authors established a threshold of statistical significance of P=<0.05. However in none of the analysis they include a correction of P-values by using Bonferroni or Benjamini & Hochberg step-up false discovery rate correction. Could the authors include a correction procedure and include the corrected P-values in the analysis?

3. Is it possible to include a short discussion about statistical power of the study?

4. For all document, <<Mycobacterium tuberculosis>> or <<M. tuberculosis>> should be typed in italic font.
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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