Reviewer’s report

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

Version: 1 Date: 18 Mar 2016

Reviewer: Javier Ibáñez

Reviewer's report:

In my opinion, the authors made a great effort to improve the manuscript, however there are some issues that they have to fix before the final acceptance of the paper, I made a list:

1. Line 65: "higer" must be changed to higher.

2. The authors put in the text the name of the genotypes as "GA" or "AA", but in the tables they referred to genotypes as "G/A" or "A/A" respectively. Please ensure that the naming of the genotypes is the same in all text.

3. Line 170: "We adjusted the P-value by Bonferroni correction, and the results are the same as before". This is not completely correct. The statistical significance was kept after the correction procedure but the P-value changed, so is it better to indicate the exact P-value after correction.

4. Line 215: "Post-hoc power analysis is conducted after a study has been completed, and uses the obtained sample size and effect size to determine what the power was in the study, assuming the effect size in the sample is equal to the effect size in the population. If the power value less than 75%, we could not conclude that the difference was not statistically significant, but need to increase the sample size to verify. Conversely, we can conclude that the difference was statistically significant." This paragraph is not clear for the readers, and I want to ask the authors to improve discussion about this. In the first reviewing process, I requested for a small discussion about statistical power in this study. I understand that carry out this type of studies is difficult in specific populations, and statistical power could be lower. However, I consider these studies are important for the scientific community, so in my opinion these works have to be published, but it is better to include one statement considering the statistical power limitation.
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

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