Reviewer’s report

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

Version: 0 Date: 23 Dec 2015

Reviewer: Aditya K Panda

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The present manuscript entitled "Vitamin D Receptor Gene: Association with Pulmonary Tuberculosis in the Tibetan Chinese population" by Hu et al. performed a case control study of PTB to find out susceptibility/resistance of vitamin D receptor gene polymorphisms (rs11574143, rs11168287, rs11574079, rs7975232 & rs3819545 SNPs) with PTB disease in Tibetan Chinese population & they found the significant association between certain polymorphisms with PTB. This report needs some clarifications before accepted.

Major Essential Revisions

1. An important component is missing: the power analysis. Authors should performed a post hoc power calculation to demonstrate that they have taken adequate number of patients and controls for this study.

2. In this study authors have observed association of three SNPs (rs11574143, rs11168287 & rs11574079) with risk to PTB and non association of other two (rs7975232 & rs3819545). However, in the discussion section, link between rs7975232 & rs3819545 with PTB was not properly discussed. These may be enlighten.

3. Function of vit D gene polymorphism is solely depend on levels of vit D. Authors should quantify plasma/serum levels of vitD3 and correlate these with polymorphism in association with susceptibility/resistance to PTB.
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 recommend additional statistical review

Quality of written English

Please indicate the quality of language in the manuscript:

Needs some language corrections before being published

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