Reviewer's report

Title: Association of FTO-rs9939609 polymorphism with the risk of tuberculosis in a Chinese population

Version: 1 Date: 21 July 2014

Reviewer: Adong Shen

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Major Compulsory Revisions

“Association of FTO-rs9939609 polymorphism with the risk of tuberculosis in a Chinese population”. This paper is a case-control study of two SNPs (rs9939609 and rs8050136) with human FTO gene in relation to susceptibility to tuberculosis in a Chinese population. The author can enrich the content from the following:

1. Supplement these results including BCG vaccination, positive tuberculin skin test, radiographic features of TB, culture-positive TB in Table 2.
2. The classification of disease with 1583 cases can be described in an independent Table, such as Primary pulmonary tuberculosis, infiltrative pulmonary tuberculosis, tuberculous pleuritis, et al. So a further stratified analysis may be carried out according to the results of the classification of disease with 1583 cases.
3. The author can carried out some function assays about the expression levels of FTO in lymphocytes with different genotype, and the plasma cytokine levels of subjects with different genotype.
4. What’s the haplotype of these two SNPs?

Level of interest: An article whose findings are important to those with closely related research interests

Quality of written English: Needs some language corrections before being published

Statistical review: Yes, and I have assessed the statistics in my report.

Declaration of competing interests:

I declare that I have no competing interests