Reviewer’s report

Title: An intronic single-nucleotide polymorphism (rs13217795) in FOXO3 is associated with asthma and allergic rhinitis: a case-case-control study

Version: 0 Date: 12 Sep 2017

Reviewer: Xingnan Li

Reviewer’s report:

In this study, Dr. Amarin et al. performed a candidate gene/SNP study. They confirmed that rs13217795 in FOXO3 was associated with asthma status and also found it was associated with allergic rhinitis. In general, this analysis is executed well and manuscript is written clearly.

Some of my concerns are:

(1) As authors mentioned, rs13217795 is an intronic SNP and may function through regulating FOXO3 gene expression. It is essential to check public available eQTL database to confirm, such as GTEx, ExSNP, or mRNA by SNP browser, etc.

(2) In Table 1, P values should be included for comparison between asthma and control or between allergic rhinitis and control.

(3) In Background, the third paragraph "The similitude of .... asthma and COPD [11,12]". This part is irrelevant to the current study, and thus may be deleted.

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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