Reviewer’s report

Title: Prevalence of CCR5delta32 in Northeastern Iran

Version: 1 Date: 09 Oct 2019

Reviewer: Kyungtaek Park

Reviewer's report:

1. [Related to responses of major comments] As you said, the difference of CCR5-delta32 frequency between this study and others might be due to diverse ethnicity in Iran population. However, as geographical distance between Golestan and Mashhad province is close, it is not easy to believe genetic distance between the two province is not close. It is much better to present supporting data that the two province has systematic genetic difference. Moreover, Rodriguez-Rodriguez et al (Arthritis Res Ther, 2011) showed that patients with cardiovascular events had lower frequency of CCR5-delta32. Mashhad cohort study aimed to investigate cardiovascular events (Ghayour-Mobarhan et al, International Journal of Public Health, 2015) and samples of your study were from this cohort study. So, relative low frequency of CCR5-delta32 of your study might be due to samples with cardiovascular events. Please specify whether 400 samples had cardiovascular event history.

2. [Related to Table 2] Please correct typos in Table 2 such as 7/573 and 0.019 and match significant figures. Also, it seems that p-values of each genotype form were calculated with one degree of freedom, which is wrong. It is better to remove p-values of each genotype form.

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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