Reviewer’s report

Title: Lack of Association of the Opioid Receptor mu 1 (OPRM1) A118G Polymorphism (rs1799971) with Alcohol Dependence: Review and Meta-analysis of Retrospective Controlled Studies

Version: 0 Date: 29 Apr 2017

Reviewer: Renato Polimanti

Reviewer's report:

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Kong and colleagues conducted a meta-analysis of OPRM1 A118G and alcohol dependence. The methods are correct and the discussion is supported by the results. I have minor concerns that should be addressed.

* The authors conducted an analysis about genetics of alcohol dependence. The authors should improve introduction and discussion with information about genome-wide association studies of AD (PMID: 28070124, 26458734, 26365420, 26036284, 24166409), phenome-wide association studies for known AD risk alleles (PMID: 27187070), and GWAS that identified OPRM1 risk alleles (PMID: 28115739).

* I suggest the authors to modify the title to immediately highlight the lack of association between OPRM1 A118G and alcohol dependence.

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?
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Yes
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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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