Reviewer's report

Title: No Relationship between 2',3'-Cyclic Nucleotide 3'-Phosphodiesterase and Schizophrenia in the Chinese Han Population: an Expression Study and Meta-analysis

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Reviewer: Esa Veli Juhani Leinonen

Reviewer's report:

Major:
1. The number of patients and controls is rather small and in the subgroups even smaller. Thus the analyses of subtypes of schizophrenia as well as of different antipsychotics may not be relevant. The gender distribution between patients and controls is different. Should this be stated in limitations.
2. A limitation is also that no formal diagnostic interview method (e.g. SCID) was used when assessing the patients.
3. The selection criteria of the papers for meta-analysis are obscure. These should be clarified.

Minor:
1. Shanghai Institute of Mental Health is given in affiliations but none of the authors is belonging there?
2. pg. 2: "Peirce et al. identified......" In which population?
3. pg. 4: Were the controls also somehow evalaluated?
4. pg. 4: How were the patients selected to different antipsychotic medications?
5. pg. 4: Which were the five SNPs included in this study? (Should be given here).
6. pg. 7: On my mind Fig 1. is not very informative and could be excluded (except part 1c).
7. pg. 7: What do the authors mean "...... the expression of CNP was reduced by 10 % in 79 schizophrenics......? Do they mean at least 10 % reduction in 79/86 schizophrenics and 84/94 controls, respectively? Fig 2 is also not important, all the negative data can be given in the text.
8. pg. 7: Were all the same SNPs studied also in the other reports included in the meta-analysis as in the present study?
9. pg. 8: CEU is missing in the list of abbreviations.
10. pg. 8: sentence "Previous reports suggest altered expression of genes associated with myelinisation..... " remains unclear to me.
11. pg. 8: "Our result are lower by 10 %...... Compared to what?
12. pg. 9: "However, our study detected no difference between females and males.... Probably this was also the case in the patients?

**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:** No, the manuscript does not need to be seen by a statistician.

**Declaration of competing interests:**

I declare that I have no competing interests.