Reviewer's report

Title: Assessing Genetic Polymorphisms using Oral Fluid as a Biospecimen

Version: 2 Date: 12 August 2011

Reviewer: Erik Ehli

Reviewer's report:

1. Discretionary Revision
   Section - Background; Third paragraph; Third to last sentence.
   A more detailed genomic location of the 5-HTTLPR would be beneficial (e.g. located in the promoter region of the serotonin transporter gene (SLC6A4)).

2. Discretionary Revision
   Section - Methods.
   A description of the methods used to obtain the reference COMT and 5HTTLPR genotypes for the sample participants in order to compare concordances with the experimental genotypes is warranted.

3. Discretionary Revision
   Section - Results and Discussion; Study 2; DNA Quality.
   An additional T-test to determine if the Sarstedt pledget produces a statistically significant higher A260/A280 ratio compared to whole saliva would be relevant.

4. Minor Essential Revision
   Section - Conclusions; Second Paragraph; Last Sentence
   There are two periods at the end of the last sentence in the second paragraph of the conclusions section.

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

Quality of written English: Acceptable

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