Reviewer's report

Title: Study of the serotonin transporter (SLC6A4) and BDNF genes in French patients with non syndromic mental deficiency

Version: 2 Date: 30 October 2009

Reviewer: JA Sved

Reviewer's report:

The revised manuscript changes little in response to my original review. It confirms that the levels of linkage disequilibrium are not significantly different in the two populations. Therefore the paper contains only negative results, and there are good reasons why this should be the case unless there are simple strong effects of either locus on NS-MD. As the authors themselves say "... further studies will be necessary to fully reject the implication of SLC6A4 and BDNF in NS-MD".

As stated previously I am not really familiar with this field, and can believe that this paper falls within the category: "An article whose findings are important to those with closely related research interests".

If the paper is accepted for publication, I would tick the box: "Needs some language corrections before being published".