Reviewer's report

Title: An investigation of ribosomal protein L10 gene in autism spectrum disorders

Version: 1 Date: 6 October 2008

Reviewer: Sabine M Klauck

Reviewer's report:

The authors report screening of all exons of the RPL10 gene in a set of 141 individuals with autism spectrum disorder (ASD) to follow up on the first report of non-synonymous mutations in this gene. In addition, mRNA expression of B lymphoblastoid cell lines of RPL10 has been tested in a subset of patients in comparison to controls. No further mutations could be identified. Moreover, no significant differences in RPL10 expression have been observed between cases and controls. Authors conclude that these results exclude RPL10 as a major susceptibility gene for ASD but screening of larger patients sets are warranted.

Major compulsory revisions: None

Minor Essential Revisions:
1. Authors only mention the sequencing of all exons and flanking sequences of RPL10 and stated that they have used the primers provided in our report (Klauck et al. 2006). This included also sequencing of the U70 snoRNA. If this has been performed in the patient sample as well it should be mentioned in the Methods and Results section for completion.
2. Methods, page 4, line 4 and 5: References for the ADI-R and ASDI should be given.

Discretionary Revisions: None

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.