Reviewer's report

Title: Genetic influences on Attention Deficit Hyperactivity Disorder symptoms from age 2 to 3: A quantitative and molecular genetic investigation.

Version: 3 Date: 26 July 2010

Reviewer: Dorret I Boomsma

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the question of data from MZ twins were analyzed has not been addressed.

the reasons provided for not looking at a more powerful bivariate model are not compelling (a full bivariate analysis is not the same as an aggregation of measures). also, because it has not been done before (or only little work has been done before) seems not a compelling argument for scientific progress.

the reasons given for not explicitly testing for stratification are also not very compelling: if there is low power to detect stratification, why then report all three tests (AP, AW and AT).

Level of interest: An article of limited interest

Quality of written English: Acceptable

Statistical review: Yes, and I have assessed the statistics in my report.