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**Abstract**

Y chromosome plays important role in brain function and may help to explain the sex difference in attention-deficit/hyperactivity disorder (ADHD). A total of 857 boys with ADHD and 574 male controls were genotyped for 14 Y-linked markers. Analyses for both dichotomous phenotype and quantitative traits and the interaction effects with *MAOA* were performed. The results indicated significant association of four markers

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