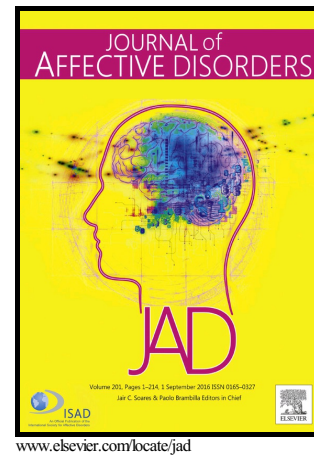


Author's Accepted Manuscript

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PII: S0165-0327(17)31535-5
DOI: <https://doi.org/10.1016/j.jad.2017.12.010>
Reference: JAD9418

To appear in: *Journal of Affective Disorders*

Received date: 25 July 2017
Revised date: 3 November 2017
Accepted date: 5 December 2017

Cite this article as: Peipei Wang, Qinyu Lv, Yemeng Mao, Cuizhen Zhang, Chenxi Bao, Hong Sun, Hanmei Chen, Zhenghui Yi and Weimin Cai, *HTR1A/1B* DNA methylation may predict escitalopram treatment response in depressed Chinese Han patients, *Journal of Affective Disorders*, <https://doi.org/10.1016/j.jad.2017.12.010>

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ABSTRACT

Background

The serotonin receptor 1A and 1B (*HTR1A/1B*) gene have been suggested to be involved in the pathogenesis of major depressive disorder (MDD) and the antidepressant treatment response. Gene expression differences were partly mediated by genetic polymorphism and DNA methylation which might be affected by environmental factors. In the present study, we attempt to identify whether *HTR1A/1B* DNA methylation and genetic polymorphism could predict antidepressant treatment response.

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