



## Male-specific association of the *APC* rs383830 T allele with the risk of coronary heart disease

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**ABSTRACT.** *APC* is a tumor suppressor gene that is involved in the processes of cell migration and adhesion, transcriptional activation, and apoptosis. The goal of this study was to evaluate the contribution of the *APC* rs383830 polymorphism to coronary heart disease (CHD) in Han Chinese. A total of 783 patients with CHD and 737 controls were tested in the current association study. Although our study did not identify an association between the *APC* rs383830 polymorphism and CHD, a breakdown analysis by gender indicated there was a significant contribution of the rs383830 T allele to the risk of CHD in males ( $P = 0.046$ , odds ratio = 1.267, 95% confidence interval = 1.004-1.598). In conclusion, our study suggested a male-specific association of the *APC* rs383830 polymorphism with CHD.

**Key words:** Coronary heart disease; *APC*; rs383830; Male