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Lack of mutations of *G4.5* in three families from China with noncompaction of the ventricular myocardium

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ABSTRACT. To find the underlying cause of noncompaction of the ventricular myocardium (NVM), three Chinese families with probands who presented this problem were studied. After the family members were evaluated by echocardiography, the gene *G4.5* (taffazin) was scanned by sequencing. Although X-linked inheritance could not be ruled out, NVM were thought to have a vague rule of inheritance in our data from 8 patients and 28 family members. We also did not identify any mutations in *G4.5* in all samples. Our data suggest that other genes are responsible for the familial form of this disease.

Key words: Noncompaction of the ventricular myocardium; *G4.5*; Mutations

