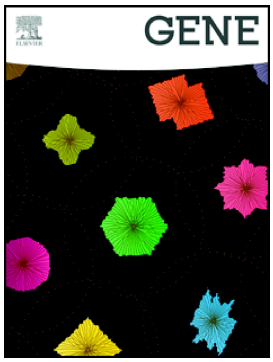

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PII: S0378-1119(18)30318-4
DOI: doi:10.1016/j.gene.2018.03.074
Reference: GENE 42696

To appear in: *Gene*

Received date: 5 November 2017
Revised date: 8 March 2018
Accepted date: 22 March 2018

Please cite this article as: Hengxing Zhou, Zhongju Shi, Yi Kang, Yao Wang, Lu Lu, Bin Pan, Jun Liu, Xueying Li, Lu Liu, Zhijian Wei, Xiaohong Kong, Shiqing Feng , Investigation of candidate long noncoding RNAs and messenger RNAs in the immediate phase of spinal cord injury based on gene expression profiles. The address for the corresponding author was captured as affiliation for all authors. Please check if appropriate. Gene(2017), doi:10.1016/j.gene.2018.03.074

Investigation of candidate long noncoding RNAs and messenger RNAs in the immediate phase of spinal cord injury based on gene expression profiles

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Abstract

Spinal cord injury (SCI) is a serious devastating condition and it has a high mortality rate and morbidity rate. The early pathological changes in the immediate phase of SCI may play a major part in the development of secondary injury. Alterations in the expression of many long noncoding RNAs (lncRNAs) have been shown to play fundamental roles in the diseases of the central nervous system. However, the roles of lncRNAs and messenger RNAs (mRNAs) in the immediate phase of SCI is not clear.