

# Lu Suwen

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## Areas of Research

Gene function and regulatory mechanism

## Contact Information

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## Research Interests

### Fruit Molecular Biology and Genomics

We mainly interest in grape fruit quality biology. By comprehensively use the methods of molecular biology, biochemistry, genomics, metabolomics, genetics, etc, we intend to investigate the key metabolic pathways and gene regulatory networks that affect the formation of grape fruit quality. The research findings will provide some important theoretical basis for the molecular breeding of high-quality grape and the developing of regulatory technology.

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## Education Background

**Bachelor:** Huazhong Agricultural University

**Master:** Huazhong Agricultural University

**Doctor:** Huazhong Agricultural University

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## Work experience

Lecturer, Nanjing Agricultural University, 2018-

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## **Selected Publication**

Lu Suwen, Zhang Yin, Zhu Kaijie, Yang Wei, Ye Junli, Chai Lijun, Xu Qiang, Deng Xiuxin\*. 2018. The citrus transcription factor CsMADS6 modulates carotenoid metabolism by directly regulating carotenogenic genes. *Plant Physiology* **176**(4): 2657-2676

Lu Suwen, Zhang Yin, Zheng Xiongjie, Zhu Kaijie, Xu Qiang, Deng Xiuxin\*. 2016. Molecular characterization, critical amino acid identification, and promoter analysis of a lycopene  $\beta$ -cyclase gene from citrus. *Tree Genetics & Genomes* **12**(6): 106

Lu Suwen, Zhang Yin, Zheng Xiongjie, Zhu Kaijie, Xu Qiang, Deng Xiuxin\*. 2016. Isolation and functional characterization of a lycopene  $\beta$ -cyclase gene promoter from citrus. *Frontiers in Plant Science* **7**: 1367