

青花菜 *BoFLC3* 的克隆与开花调控机制研究

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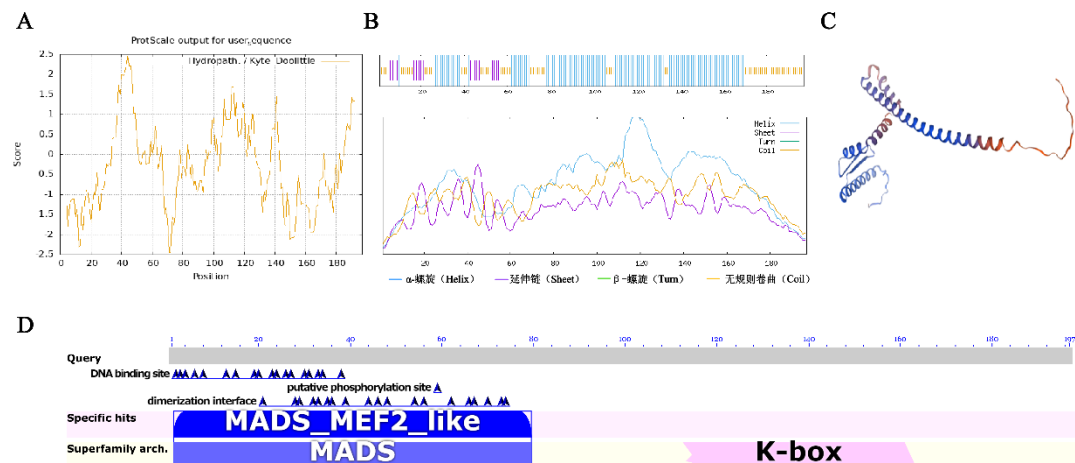
Cloning and Flowering Regulation Mechanism of *BoFLC3* in Broccoli

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附表 1 引物序列
Supplementary Table 1 Primer sequence

引物	序列	用途
Prime	Sequences (5'-3')	Usage
<i>BoFLC3</i> -F	ATGGGAAGAAAAAACTAGAAATCAAGC	克隆
<i>BoFLC3</i> -R	CTAATTAAGCAGTGGGAGAGTTACC	克隆
<i>18S</i> -F	CGAGACCTCAGCCTGCTAACTAG	RT-qPCR
<i>18S</i> -R	TCAAACCTTCCTTGGCCTAAACG	RT-qPCR
qRT- <i>FLC3</i> -F	GAGGCTGCTGAAAGAAGAG	RT-qPCR
qRT- <i>FLC3</i> -R	ATTGATGTCGGAGATTTGT	RT-qPCR
GFP- <i>FLC3</i> -F	GGGGTACCATGGGAAGAAAAAACTAGAAATCAAGC	亚细胞定位
GFP- <i>BoFLC3</i> -R	GCTCTAGAATTAAGCAGTGGGAGAGTTACC	亚细胞定位
pBI121- <i>BoFLC3</i> -F	GCTCTAGAATGGGAAGAAAAAACTAGAAATCAAGC	过表达
pBI121- <i>BoFLC3</i> -R	TCCCCCGGGATTAAGCAGTGGGAGAGTTACC	过表达
<i>AtACTIN11</i> -F	ACGGTAACATTGTGCTCAGTGGTG	RT-qPCR
<i>AtACTIN11</i> -R	CTTGGAGATCCACATCTGCTGGA	RT-qPCR
<i>AtFT</i> -F	CTGATATCCCTGCTACAACCTGG	RT-qPCR
<i>AtFT</i> -R	GCGAGTGTTGAAGTTCTGGC	RT-qPCR
<i>AtLFY</i> -F	ATCGCTTGTCGTCATGGCTG	RT-qPCR
<i>AtLFY</i> -R	GCAACCGCATTGTTCCGCTC	RT-qPCR
<i>AtAPI</i> -F	CATGGGTGGTCTGTATCAAGAAGAT	RT-qPCR

<i>AtAPI-R</i>	CATGCGGCGAAGCAGCCAAGGTT	RT-qPCR
<i>AtSVP-F</i>	TCACGCCCGAATGAGTAAAGAA	RT-qPCR
<i>AtSVP-R</i>	AGTTTCAAGGGCCTTCTCTAGC	RT-qPCR
<i>AtSPL-F</i>	TCATCAGAGGAGCCAAGGTTTC	RT-qPCR
<i>AtSPL-R</i>	GTTTCCTTCCATGTAGCTCCCA	RT-qPCR



A: BoFLC3 蛋白的亲疏水性分析；B: BoFLC3 蛋白二级结构；C: BoFLC3 蛋白三级结构；D: BoFLC3 保守结构域

A: Hydropathy analysis of the BoFLC3 protein; B: Secondary structure of the BoFLC3 protein; C: Tertiary structure of the BoFLC3 protein; D: Conserved domain of the BoFLC3 protein

附图 1 BoFLC3 蛋白的生物信息学分析

Supplementary Fig. 1 Bioinformatics analysis of the BoFLC3 protein