

草莓 *FaERF186* 的表达特征及其调控果实品质的功能分析

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Expression Characteristics of Strawberry *FaERF186* and Functional Analysis of Its Regulation of Fruit Quality

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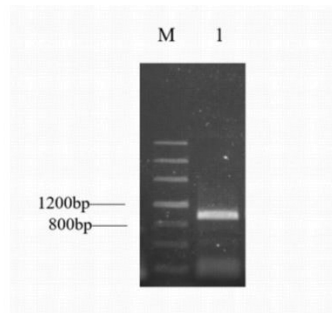
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附表 1 引物序列
Table S1 Primer sequences

引物 Primer	序列 Sequence (5'-3')	用途 Usage
<i>FaERF186</i> Clone-F	ATGTTTGAAGATTGAGCTTGGAG	基因克隆
<i>FaERF186</i> Clone-R	TTAGTTCATTACTTCTTGAGGCATG	
EGFP- <i>FaERF186</i> F	GTGGTGATAGGCGCCGATCCATGTTTGAAGAGATTGACTTGGAGTC	亚细胞定位
EGFP- <i>FaERF186</i> R	GTGATTTTTGCGGACTCTAGATTAGTTCATTACTTCTTGAGGCAT	
BD- <i>FaERF186</i> F	ATGGCCATGGAGGCCGAATTCATGTTTGAAGAGATTGACTTGGAGTC	酵母自激活验证
BD- <i>FaERF186</i> R	CTAGTTATGCGGCCGCTGCAGTTAGTTCATTACTTCTTGAGGCATGG	
<i>FaActin</i> -qF	TTCACGAGACCACCTATAACTC	实时荧光定量PCR内参基因
<i>FaActin</i> -qR	GTCATCCTATCAGCGATT	
<i>FaERF186</i> -qF	TGGCTTGGGACCTACGAAAC	实时荧光定量PCR
<i>FaERF186</i> -qR	CTGAGCCGATAAGGTGAGGG	
<i>FaGPI</i> -qF	GGCTATCTTACCTTACTCC	实时荧光定量PCR
<i>FaGPI</i> -qR	CCATGAAGATTGATGAATATGA	
<i>FaGME2</i> -qF	ATGGCTGAGATTGTTCTTA	实时荧光定量PCR
<i>FaGME2</i> -qR	CCTTGATCCAGAAGTATGTA	
<i>FaL-GalLDH</i> -qF	GGAACAATAGAAGTCTCCAA	实时荧光定量PCR
<i>FaL-GalLDH</i> -qR	CTGTCTCTCAACACACTG	
<i>FaMDHAR</i> -qF	CTAGCAGTCATCTCGAAA	实时荧光定量PCR

<i>FaMDHAR</i> -qR	GTACCAATCAGGAAGCAA	
<i>FaDHAR</i> -qF	CTCCATCTCATCAACTTG	实时荧光定量PCR
<i>FaDHAR</i> -qR	CAAGGTTTCAGGGTATTTTC	
<i>FaGR</i> -qF	CTTCCGATTGGGTTACAA	实时荧光定量PCR
<i>FaGR</i> -qR	GTAGGAGCCTTCTCAATG	
<i>FaL-APX3</i> -qF	CCCTATGTTGAACTCTATG	实时荧光定量PCR
<i>FaL-APX3</i> -qR	CCTTGACAGTAGATGAAG	
<i>FaCS2</i> -qF	CATCCCACTGCCGATGTCTT	实时荧光定量PCR
<i>FaCS2</i> -qR	GACTCTGATGGTTGGCTGCT	
<i>FaACO</i> -qF	CCTTACACGCTTCGCTCTCA	实时荧光定量PCR
<i>FaACO</i> -qR	ATGACTTTCCGGAGCCATGG	
<i>FaGAD</i> -qF	GCCTACACTATGCCAGCCAA	实时荧光定量PCR
<i>FaGAD</i> -qR	GAGTCTCTCTGCCAAGCTCC	
<i>Faβ-GAL</i> -qF	GGAGGCTTGGATGTGATTCAGACTT	实时荧光定量PCR
<i>Faβ-GAL</i> -qR	ATAGAATTATTGGACCGCCATGAGACT	
<i>FaCx</i> -qF	CCTCCTTCTTGGCTACGGTCTACT	实时荧光定量PCR
<i>FaCx</i> -qR	CATAGGCATCAGGTCCACCAACAAT	
<i>FaPL</i> -qF	ATTACCATCTCCAACAACCACCTTACC	实时荧光定量PCR
<i>FaPL</i> -qR	ATCACCTTCTGACCTCCAGTTCCA	

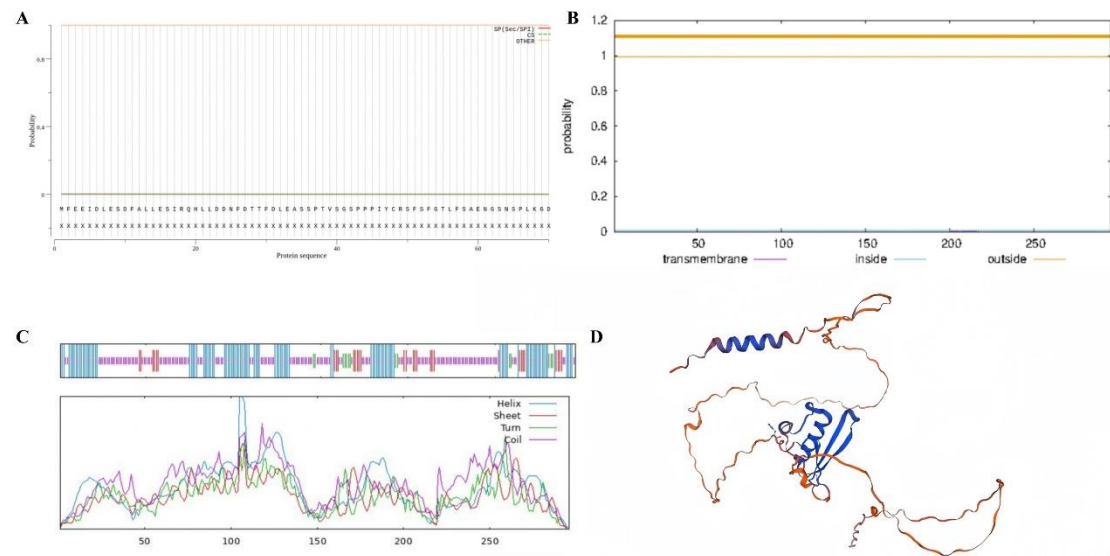


M: Maker 1:扩增片段

M: Maker 1: Amplified fragment

附图 1 草莓 *FaERF186* 基因的 PCR 扩增

Fig S1. PCR amplification of the strawberry *FaERF186* gene



A: 信号肽预测; B: 跨膜结构预测 C: 二级结构预测 D: 三级结构预测

A: Signal peptide prediction; B: Transmembrane domain prediction; C: Secondary structure prediction; D: Tertiary structure prediction

附图 2 *FaERF186* 生物信息学分析

Fig. S2. Bioinformatics analysis of *FaERF186*