

菊花 *CmTIFY10A* 响应外源褪黑素调控干旱胁迫的 机制

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Mechanism of *CmTIFY10A* in Response to Exogenous Melatonin-mediated Regulation of Drought Stress in *Chrysanthemum morifolium*

DOI: 10.13560/j.cnki.biotech.bull.1985.2025-1229

附表 1 荧光定量引物序列

Supplementary table 1 Primers sequences used for RT-qPCR analysis

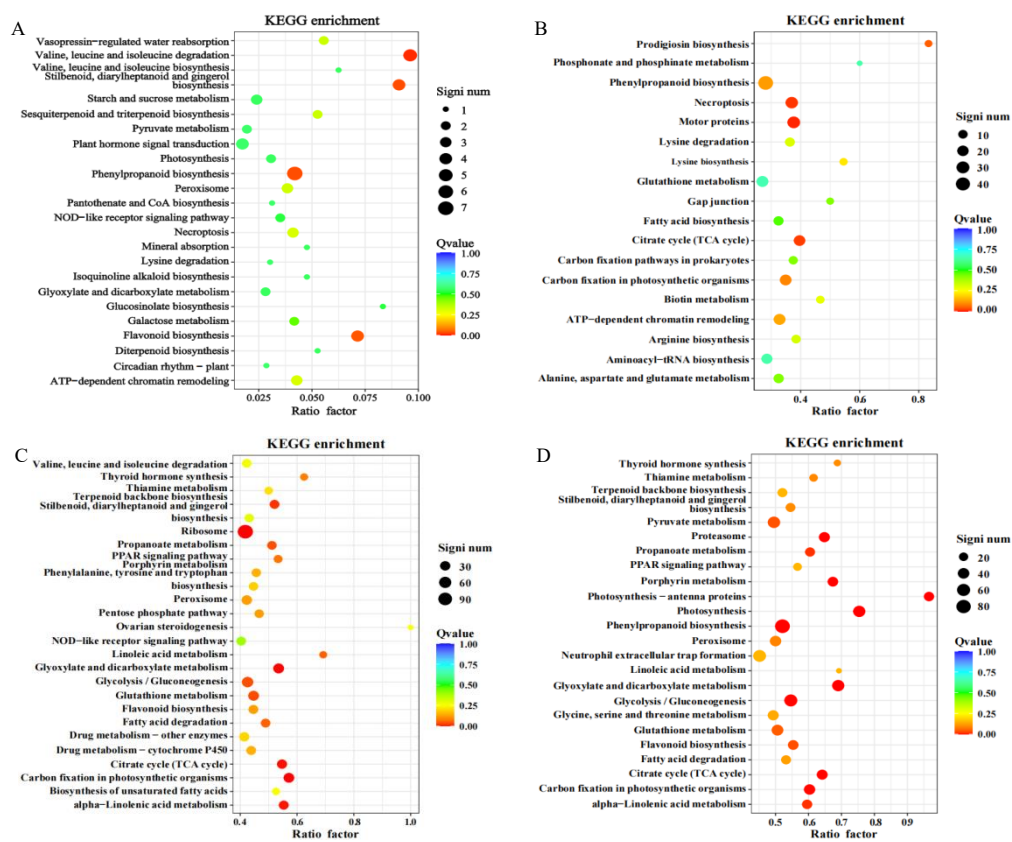
基因名	正向引物(5'→3')	反向引物(5'→3')
<i>CmEFla</i>	TTTTGGTATCTGGTCCTGGAG	TTTTGGTATCTGGTCCTGGAG
<i>CmAOS3</i>	CCAACCAGCCTGAACCATCTT	CGCAAGGACGATAACCACCAA
<i>CmWRKY53</i>	TGGTGGAAGGTCCTCTTAGTGA	AGTTCGGTCTCGGTCTTGGT
<i>CmWRKY6</i>	CACCAGCGGCAGTAGCAAT	CAGCAGTGATGGCAGCAGTA
<i>CmERF5</i>	CGGCGTTAAGTCAGACAATGG	TGATAATGGCGGCACCTCAA
<i>CmERF2</i>	GTGATGCCGTTAGTGTGGATG	CTTAGACGACGAAGCCGATGA
<i>CmNFXL1</i>	ATGTGAGTGCCTTGGTGTGA	TCGCTGATGATGATGCTGGTT
<i>CmSNF4</i>	ACCGACACTCAGTCAATCTTG	AACCTCTCCACAACCAATGC
<i>CmCP1</i>	AGGATGTGTTCAAGGCTATGGA	TCATAATCACCACCACCAAA
<i>CmLOX15</i>	GCGAAGAAGGACATGGTGACA	AGACGGCGGCTTATAGTAGGA
<i>CmLOX3</i>	ACCACGGATAACGAGGCATTG	TGAGCAGGTCCAGTCTATTCT
<i>CmSTEP1</i>	CTTGGTCGCACAGCAATGATT	CAGAGGCAGACTGGAAGATGAA
<i>CmAPX3</i>	TCTCCGAAGGAAGGCAGACT	GAATCACCACAGCAGCAGTAAC

A: CK vs P; B: CK vs M; C: CK vs P+M; D: P vs P+M. 横轴为功能分类, 不同颜色代表不同的分类; 柱状图右侧纵坐标轴上的数值浅色代表差异基因, 深色代表所有基因; 右侧纵坐标轴为该分类内基因个数、左侧纵坐标轴为差异基因/所有基因注释到该功能的基因数目占比

A: GO functional analysis of differentially expressed genes between CK vs P treatment groups; B: GO functional analysis of differentially expressed genes between CK vs M treatment groups; C: GO functional analysis of differentially expressed genes between CK vs P+M treatment groups; D: GO functional analysis of differentially expressed genes between P vs P+M treatment groups. The horizontal axis represents functional categories, with different colors indicating distinct classifications. The column charts show lighter values (differentially expressed genes) and darker values (all genes) on the vertical axis. The right vertical axis displays the number of genes within each category, while the left vertical axis shows the proportion of genes annotated to the respective function (differentially expressed genes/all genes)

附图 1 差异表达基因 GO 功能分析

supplementary Fig. 1 GO functional analysis of differentially expressed genes



A: CK vs P; B: CK vs M; C: CK vs P+M; D: P vs P+M

附图 2 差异表达基因 KEGG 功能分析

Supplementary Fig. 2 KEGG functional analysis of differentially expressed genes