**Supplement**

**Table S1.** Fluorescence quantitative primer sequence for the analysis of the expression profile of *KNOX* genes in chrysanthemum

|  |  |
| --- | --- |
| **Primer name** | **Primer sequence** |
| CmSTM-qPCR-F | ATTGCGCAAGTATAGCGGGT |
| CmSTM-qPCR-R | GTCAAGCAACTGTTGGCGAG |
| CmKNAT1-qPCR-F | AAAGACCCCGAACTTGACCAG |
| CmKNAT1-qPCR-R | GATCCGACGCATGAACTCCA |
| CmKNAT6-qPCR-F | CCACCGGAGATGGTGTGTTT |
| CmKNAT6-qPCR-R | TGCCGATATGTCTCCATGAACTC |
| Cm18S-qPCR-F | AAACGGCTACCACATCCAAG |
| Cm18S-qPCR-R | ACTCGAAAGAGCCCGGTATT |

**Table S2.** Fluorescence quantitative primer sequence for predicting the effect of chrysanthemum *KNOX* genes on hormone pathway

|  |  |
| --- | --- |
| **Primer name** | **Primer sequence** |
| NtAHK4-qPCR-F | AGCGGGAAGGCAGTTCTTAC |
| NtAHK4-qPCR-R | CATGCTCAGTCGGGTTTTGC |
| NtARR1-qPCR-F | CTTCCCTCAACGGGCTTGAT |
| NtARR1-qPCR-R | AGCAGATCTACCTAGGGCCG |
| NtYUCCA-qPCR-F | TCCCTCACATGGTCGTCAGA |
| NtYUCCA-qPCR-R | GGCAACCATTTGAGAAGTGCC |
| NtAMI1-qPCR-F | TGGCTTAACCTTTGCCGTGA |
| NtAMI1-qPCR-R | GTTGCAGTAGATGTTGCCGC |
| NtGA2OX1-qPCR-F | AGGTGATGACTAACGGGAGGT |
| NtGA2OX1-qPCR-R | AATGGCGGCCCTCCAAAATA |
| NtDALLE-qPCR-F | GTCGTCGTCCTCTTCAAGCA |
| NtDALLE-qPCR-R | CTTGCGAGTCAACAAGCACC |
| NtActin-qPCR-F | TGTGTTGGACTCTGGTGATG |
| NtActin-qPCR-R | CGCTCGGTAAGGATCTTCATC |