Table S1. Primers used in this study.

|  |  |  |
| --- | --- | --- |
| **Annotation** | **Primer name** | **Sequence (5'-3')** |
|  |  |  |
| **Vector construction** | MdCCX1-PMD-F | ATGGCAAGCTCAACCTCC |
| MdCCX1-PMD-R | TCAAAAGAACAAGAGCCT |
| MdCCX1-2300GFP-F | CGAGCTCGGTACCCGGGGATCCATGGCAAGCTCAACCT |
| MdCCX1-2300GFP-R | CCTTGCTCACCATGGTGTCGACAAAGAACAAGAGCCTG |
| MdCCX1-pBI121-F | ACGGGGGACTCTAGAGGATCCATGGCAAGCTCAACCT |
| MdCCX1-pBI121-R | CGATCGGGGAAATTCGAGCTCTCAAAAGAACAAGAGC |
| MdCCX1-pDR196-F | TCCCCCGGGCTGCAGGAATTCATGGCAAGCTCAACCT |
| MdCCX1-pDR196-R | GGGCCCCCCCTCGAGGTCGACTCAAAAGAACAAGAGC |
| MdCCX1-RNAi-F | GGGGACAAGTTTGTACAAAAAAGCAGGCTTCATGGCAAGCTCAACCTCC |
| MdCCX1-RNAi-R | GGGGACCACTTTGTACAAGAAAGCTGGGTTAAATATTTTCAGATAATG |
|  |  |  |
| **qRT-PCR** | MdCCX1-qF | GAGGAAGGAGCTGCACAAGGC |
| MdCCX1-qR | GTCACTGAAGCAACTGCATATGGC |
| MdMDH-qF | CGTGATTGGGTACTTGGAAC |
| MdMDH-qR | TGGCAAGTGACTGGGAATGA |
| AtActin-qF | GGAAAGGATCTGTACGGTAAC |
| AtActin-qR | TGTGAACGATTCCTGGAC |
| AtSOD1-qF | CTAATTGGGATTGACGTGTGGGAGC |
| AtSOD1-qR | GAAGACGTCCGCTGCATATTTCCAG |
| AtPOD-qF | TAGGGTCGGGTAAACCTGTG |
| AtPOD-qR | GTTGCTCTCTCCGGTGGTC |
| AtCAT1-qF | AACTTCCCTGTATTCTTCGTCCGTG |
| AtCAT1-qR | TGGGATTCGGTTTCAATGCATGGAC |
|  |  |