**Table S1. Primers used in this study.**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Gene** | **Description** | **Primer** | **Primer specific sequence (5' - 3')** | **Amplicon** |
| *LOC\_Os07g38730* | *α tubulin* ORF | ATUB | F: | ATGAGAGAGATCATCAGCATCCACA | 1353 |
| R: | CTAATAGTCTTCTCCATCGTCGTT |
| *eGFP* | *eGFP* sequence | eGFP | F: | ATGGTGAGCAAGGGCGA | 717 |
| R: | CTTGTACAGCTCGTCCA |
| *mCherry* | *mCherry* sequence | MCH | F: | ATGGTGAGCAAGGGCGAGGAG | 711 |
| R: | TTACTTGTACAGCTCGTCCATGCCG |
| *NOS* | *NOS* terminator from pCambia1391 | NOS1 | F: | ATTGGTGACCAGCTCGAATTT | 299 |
| R: | AACACTGATAGTTTAATTCCCGATCTAGT |
| *NOS* | *NOS* terminator from pBI221-H2B-mCherry | NOS2 | F: | GAATTTCCCCGATCGTCAAACATTTG | 262 |
| R: | GATCTAGTAACATAGATGACACCGC |
| *35S* | *35S* promoter sequence | 35S | F: | GGTCCCCAGATTAGCCTTTTCAAT | 835 |
| R: | TCTCCAAATGAAATGAACTTCCTT |
| *LOC\_Os07g41200* | *GL7* ORF | GL7 | F: | ATGCCTCCGGCGAGGGTG | 2823 |
| R: | TCAGCTTGTACTACTAAATGACAGCTGC |
| *LOC\_Os04g57140* | *OsKCBP* ORF | KCBP | F: | ATGAACGGTGGCGGCGC | 3747 |
| R: | TCAGCTAGTCAAGCGATTATCTGCTTT |
| *LOC\_Os04g42840* | *OsCLASP* ORF | CLASP | F: | ATGGAGGCGGCGCTGGAGG | 4332 |
| R: | TCATTGGTTAGCATCAATCGGAGCG |
| *LOC\_Os01g60040* | *OsMOR1* ORF | MOR1 | F: | ATGTCGACGGAGGACGAGAAGC | 5991 |
| R: | AAGTGGTTCCATAGACCCACTC |