|  |  |  |
| --- | --- | --- |
| Gene | Forward Primer sequence (F) | Reverse Primer  sequence (R) |
| OsHBP1b | GGAAGATCTGATGGCAGATATGAGCCC | GACTAGTCTATTCTTTCGGCCGAGCAAG |
| T-OsHBP1b | GGAAGATCTGATGGCAGATATGAGCCC | GACTAGTCTATTCTTTCGGCCGAGCAAG |
| qRT-OsHBP1b | GGATAGCCAACCTTCAGCAG | ATTTGGCCCATGTAGTTTGC |
| SOD (LOC\_Os05g25850) | CCAGAAGCACCACGCCACCT | GATTGACATGGCCTCCGC |
| CAT  (LOC\_Os06g51150) | ATGGATCCCTACAAGCATCGG | AGATGATAGTCCTCAAGGAGG |
| APX  (LOC\_Os03g17690) | CGAGCCCATCAAGGAGGAGA | AGGTGGGGGTGCAGGTTTGTC |
| DREB1A  (LOC\_Os04g46400) | CGCTGTCCACTTCCTCCTCC | TGCGCCGTGGGCGGCATTGGC |
| P5CS2  (LOC\_Os05g38150) | GGGAGCAACTCACTGAAACTG | CAGTCCTGCTAAACTGTCATTA |
| NAC6  (LOC\_Os03g60080) | ATGAGCGGCGGTCAGGACCT | TCTCGGCGATGATGGGGACGG |
| bZIP23  (LOC\_Os01g31580) | ATGGGGTGCACGGCGTCGAAG | GGGAGAGCGCGGCGGCGGTG |
| HSTF  (LOC\_Os03g06630) | CGAGTGGTGAACCCGGTGAAGGT | TACGTCTTGGTGAGGAACGGCGG |
| HSP90  (LOC\_Os06g50300) | CCAGCTAAGAAGCTCCAAG | CTGAGGGTCTTCCTCGAG |
| RbcL  (LOC\_Os10g21268) | CTTGGCAGCATTCCGAGTA | AAGAAGTAGGCCGTTGTCG |
| PsaA (LOC\_Os10g38229 ) | CACGGTGTCTAAGGACACGTT | GACAGCGCCCATAAAGGTCTC |
| PsbA  (LOC\_Os08g35420) | AGAGACGCGAAAGTACAAGC | AAGTTGCGGTCAATAAGGTA |
| LHCP2  (LOC\_Os9g17740) | GAAGAAGATCAAGAACGGCCGA | TTGCCGGGGACGAAGTTGGT |
| CAO  (LOC\_Os10g41780) | ATGACCACTGTGGCATCGCTGT | GATTCCTCCATATCTACCAAC |
| POR  (LOC\_Os10g38229) | ATGGCTCTCCAAGTTCAGGC | ACGCTAAGGAACCCCGGCT |
| Actin | CAGCCACACTGTCCCCATCTA | AGCAAGGTCGAGACGAAGGA |

**Table S1:** **List of primers used in this study and their sequences (5′ to 3′)**