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| --- | --- | --- |
| 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′)**