**Supplementary Table S2.** Primers used for PCR amplification of candidate genes.

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| Primer | Forward/Reverse | Sequence of primers |
| *Zm00001d050021* | Forward | GTGCAAGATAAACGGCAAGC |
| *Zm00001d050021* | Reverse | CACATGCCATGAAGGAACAC |
| *Zm00001d010454* | Forward | GGGCGTGGTTGATAAGACAT |
| *Zm00001d010454* | Reverse | AACCCCCAAATCCTCAAATC |
| *Zm00001d010458* | Forward | CCAGGGAATGTTTCCAACAC |
| *Zm00001d010458* | Reverse | CGGGCAACATAGTTCCAGAT |
| *Zm00001d010459* | Forward | TTTTTCTCCATACCACCCGTA |
| *Zm00001d010459* | Reverse | TCTACAGGAGACATCCGAAGC |