Supplemental Material

**Table S1 List of primer sequence of KASPs**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Name** | **Gene ID** | **Primer\_AlleleX** | **Primer\_AlleleY** | **Primer\_Common** | **AlleleX** | **AlleleY** |
| SNP581431 | *BraA02g001080.3C* | GAAGGTGACCAAGTTCATGCTCAATGGCCTTGTAATCTGAATAGCTC | GAAGGTCGGAGTCAACGGATTCAATGGCCTTGTAATCTGAATAGCTT | CACCGAGCATCGACGTTGTAGCTT | G | A |
| SNP1410912 | *BraA02g002880.3C* | GAAGGTCGGAGTCAACGGATTCAAAGGCCTTGTTCTGTGTGA | GAAGGTGACCAAGTTCATGCTCAAAGGCCTTGTTCTGTGTGG | GATTTACTGAGCTGAAGATTCTTCAC | G | A |
| SNP1619528 | *BraA02g003340.3C* | GTCGTTTGGAGAAGGTGACTTG | CGTCGTTTGGAGAAGGTGACTTA | GGAAGAAAGAAACTAGAGATCAAGCGAA | G | A |
| SNP2159660 | *BraA02g004490.3C* | GAAGGTCGGAGTCAACGGATTCAAAGGGATGATT  TCTTTTATTGATA | GAAGGTGACCAAGTTCATGCTCAAAGGGATGATTTCTTTTATTGATG | GGCTGTTTTTCTGTAGCTGGC | G | A |