**Additional file 15. Primers used for PCR**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Targeted sequence | | Name | | Primer sequence (5’- 3’) | |
| Glyma02g19754 | Glyma02g19754GW-Fw | | AAAAAGCAGGCTTCACAATGGACGAATTAGAAGAAAC | |
| Glyma02g19754 | Glyma02g19754GW-Rv | | AGAAAGCTGGGTCACCCAACAGCAGAGGTTCCAAC | |
| Glyma19g30681 | Glyma19g30681GW-Fw | | AAAAAGCAGGCTTCACAATGCTTAAAATAACTAACG | |
| Glyma19g30681 | Glyma19g30681GW-Rv | | AGAAAGCTGGGTCCGTAGTTTTCCCCTCACTCTT | |
| Glyma03g27865 | Glyma03g27865Gw2-Fw | | AAAAAGCAGGCTTCACAATGTACAGGGTTTTAGCGCG | |
| Glyma03g27865 | Glyma03g27865Gw2-Rv | | AGAAAGCTGGGTCTTCTTA GTT TTC CCC TCA CTC TTC | |
| attB1 | 2942 | | GGGGACAAGTTTGTACAAAAAAGCAGGCT | |
| attB2 | 2943 | | GGGGACCACTTTGTACAAGAAAGCTGGGT | |
| pDONR 207 | 3397 (Fwd) | | TCGCGTTAACGCTAGCATGGATC | |
| pDONR 207 | 3398 (Rvs) | | TGTAACATCAGAGATTTTGAGACAC | |
| 35S | MC36 (Fwd) | | TCCTTCGCAAGACCCTTCCTC | |
| Glyma02g19754 | glyma02g19754Fwd | | GATGCTGCTTCCGATGAACCCATG | |
| Glyma02g19754 | glyma02g19754unspR | | GCAGAGGTTCCAACAAGAGCACAG | |
| Glyma02g19754 | glyma02g19754spdR | | CAGCAGGGAACCCAACAGCAGACTC | |