Supplemental Table 2. List of primers.

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| --- | --- | --- | --- | --- | --- |
| **Analysis** | **Gene** | | **Primers** | **Product size, bp** | |
| Cloning | *AtOPR3\** | 5'-AATT**CCCGGG**GACATGACGGCGGCACAAGG-3'  5'-ATCG**GAGCTC**ACTCAGAGGCGGGAAAAAGGAGC-3' | | 1201 |
| Genotyping | *AtOPR3* | 5'-CCGAAGGCACCATGGTCTCTCCC-3'  5'-TCGGAAGCTTCTAAAGCCCGAGG-3' | | 295 |
| *GFP* | 5'-GCGACGTAAACGGCCACAAG-3'  5'-CCAGCA GGACCATCTGTGATCG-3' | | 600 |
| *TaWIN1* | 5'-TTTTCTGTGTTCTACTATGAGATCTTGAA-3'  5'-AAGTGCATAATTAAACAGAGGTAGTGATG-3' | | 348 |
| qPCR | *AtOPR3* | 5'-CCGAAGGCACCATGGTCTCTCCC-3'  5'-TCGGAAGCTTCTAAAGCCCGAGG-3' | | 295 |
| *TaAOS* | 5'-CAAGGCCGACATGAACATCGAGA-3'  5'-GACGCCGGTGAATTCAACCTTG-3' | | 355 |
| *TaOPR2* | 5'-AGCAGGCTTCGATGGCATTGAGAT-3'  5'-GCGATTTAGGCTTGCCGAGGAAC-3' | | 683 |
| *TaCOI1* | 5'-GCTTTGCTCCTTCGGACTTAC-3'  5'-CGACAACCCCCAATCCTCTA-3' | | 199 | |
| *TaWIN1* | 5'-TTTTCTGTGTTCTACTATGAGATCTTGAA-3'  5'-AAGTGCATAATTAAACAGAGGTAGTGATG-3' | | 348 | |
| *TaUbi* | 5'-AAACCCTCACTGGCAAGACC-3'  5'-GCACCAAACCACAGGACTCG-3' | | 349 | |

\* Underlined nucleotides in primers’ sequences are SmaI and SacI restriction sites.