**TableS2.** Primers used in this study

|  |  |
| --- | --- |
| **Primer name** | **Sequence** |
| DOP3geneF | gcgcccggatccatgttggctggacaacaccacgttacagac |
| DOP3geneR | gcgcccaccggttctttttttgaatatcccgcatgataaaatgttccggaag |
| dop3(vs106)F | cgaaattcaaatcttcttccatcttcttgc |
| dop3(vs106)R | gtctataaaaagcgatgtgggcac |
| FDop2 | atggaggccggagagacatgg |
| Dop2R | atggcataactatgatggccac |
| ATTB1Dop2pr | ggggacaagtttgtacaaaaaagcaggctccgatttgtgctcacactcgtcgagtaccc |
| Attb2Dop2pr | ggggaccactttgtacaagaaagctgggtgtctctccggcctccagtttttggagttgg |
| RNAigpa16 | ggggacaagtttgtacaaaaaagcaggctcccgtgcaccaaggataatttatttgggcgc |
| Pgpa16Rv2 | ggg gaccactttgtacaagaaagctggtactcttcagtcgtatatccgacgtcgtg |
| Pgpa16Fv2 | ggggaccactttgtacaagaaagctgggtactcttcagtcgtatatccgacgtcgtg |
| gpa7pk610indelR | ctagaaaatatggatagctccgttgactatgc |
| dop4(tm1392)F | ttggcttacgggtctgatccgaacg |
| dop4(tm1392)R | gcagaccaattttgtccaaccaccatcc |
|  attb1DOP2F ggggacaagtttgtacaaaaaagcaggctatggaggccggagagacatggaatgtctc |  |
| attb2DOP2R | ggggaccactttgtacaagaaagctgggtttagacatgcgcctgcttgttactgaaatgg |
|  gpa7pk610F | gatgttggatcggttgcttttagcctgtc |
| gpa7pk610R | aagcgaatgatatcacttaccaccggg |
| gpa14pk347F | cttggaggacctttaagtggaaagagtac |
| gpa14pk347R | gctttaaatacactttccatgcaggcgcg |
| gpa14pkindelF | acgtgggtggtcaaagatcggaacgaa |
| Pgpa-7F | ggggacaagtttgtacaaaaaagcaggctccgacaactttctgccggacactgaccgttt |
| Pgpa-7R | ggggaccactttgtacaagaaagctgggtgatgatccgaagactcatcgattgatccttc |
|  |  |