**Table S2.** Primers used in detection mutation sites

|  |  |  |  |
| --- | --- | --- | --- |
| Thrips | Primer name | Primer sequence（5’- 3’） | Sequence length |
| *M. usitatus* | VGSC-F | ATGTCCGAGTGCTCGGAGTC | 6300 bp |
| VGSC-R | TCAGACATCCGCAAGGCGGG |
| α2-F | ATGTCCGTCACGAAGCTGGCCCTG | 1671 bp |
| α2-R | TCACTCCGTGCCGGAGCCCGC |
| α8-F | ATGGCGGCCACGACTGGGGCG | 1656 bp |
| α8-R | CTAGTCGGTGGCCAGGGTGGG |
| β1-F | AGGACGAGGAGCGGCTGG | 1638 bp |
| β1-R | TCACTTGCCGCGGTAGATC |
| *T. palmi* | VGSC-F | ATGTCCGAGTGCTCGGAGTC | 6288 bp |
| VGSC-R | TCAGACATCCGCGAGGCGCG |
| α1-F | ATGGGTTGGCTGCTGGC | 1662 bp |
| α1-R | CTACTCCTCTTCGGGCCCCAT |