**Supplementary Materials**

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**(a) (b)**

**Figure S1:** Symptoms of sweet potato *Fusarium* wilt caused by of *Fusarium oxysporum* f. sp. *batatas* (Fob). (**a**) Leaves yellowing and falling; (**b**) Vine dehiscence.

Table S1. Primer sequences used for qRT-PCR.

|  |  |  |  |
| --- | --- | --- | --- |
| Fob genes | Forward primer sequence (5’ to 3’) | Reverse primer sequence (5’ to 3’) | Reference |
| *FobFRP1* | TGCCAAGCTCGCCTTTCTAA | TTCGGCTTCAATCGGGTTCA | This study |
| *FobCRE1* | TACCTTTGCTCTGCCCGTTT | GGAAGAAAGCGTAGGCAGGT | This study |
| *FobCTF2* | TCTCGGTATCATCAACAGTCGT | TCTGGTCATCTGGCGTCTCAT | [1] |
| *FobCZF1* | GAAAGTGCCATTGGGAGAGTA | TTTTGTCCCGTTGGCAACT | [2] |
| *FobSGE1* | ATGAGTACACCACTGTGCCC | GCCTTGGTATGTGATGCTGATA | This study |
| *FobICL1* | GCGAGGGTTACTTCCGTCTC | TCGGCAAACTCCTTAGCCTG | This study |
| *FobPGX1* | TCGTCAGTTGTTGGCACCTC | ATTGTGCCTCCTTTGTTGCAC | This study |
| *FobPG1* | CGACATCACAGGCAGTTCAC | CCCGAAGTGACAGCAACACA | This study |
| *FobPL* | AGCGACAAGATCGTCCAGTT | TGCAGGTGTCTCCGTAGTTG | This study |
| *FobARA1* | ACTTCCAGCGATGGTGTTACCTG | GGGAAAGCAGCATTGTTAGGTG | This study |
| *FobXYL4* | ATCTCTACCAAACCACCCGC | TTCCAAGTCTCATGCCAGCC | This study |
| *FobFUB3* | TGGAAAGAGGTCGATGGAA | TGAATTGCCAGAGACAGTGC | [2] |
| *FobFUB5* | AACAACGGGACACCTATCCA | ACAAGCGTAGGCTGCTGAAT | [2] |
| *FobFUB6* | CATGAAGGTGATTGCCAGTG | GCCGAACCACTTCATGTTCT | [2] |
| *FobFUB12* | TCCTGCCATCAAGAGAGCTT | ATATCCGCTTGAGCTGGTTG | [2] |
| *Fob28s* (reference gene) | ACGGACCAAGGAGTCTAACA | ATTCAGGCATAGTTCACCATCTT | [3] |
| Sweet poatao genes | Forward primer sequence (5’ to 3’) | Reverse primer sequence (5’ to 3’) |  |
| *IbSWEET10* | TTTCTGTTCAAAAGTCCGATGC | CATTCCACGCTCTTGGTGC | [4] |
| *IbBBX24* | GAGCCACAGCCACCGAAAC | AGGTCATCAACGGCCCAAG | [5] |
| *IbPIF4* | CGAGATGCATACACGCAGCTTA | CCTAGTTCATCACAGGCAGCC | [6] |
| *IbPIF1.1* | TCCACGGTTTGCTATGCCA | AGCATGGGATCGGGTTGG | [6] |
| *IbERF1* | GACACTCCATGCGGCAGC | CCCAAGTCCTCAAACACCACC | [7] |
| *IbMAPKK9* | GCGGTCTACGCCCTCAAAG | GAATATCGGAGGTGCCGTGAC | [8] |
| *IbWRKY61* | CAGCCCAATAATCCAAGCAC | GCATCACATCGGACCCTAAC | [9] |
| *IbWRKY75* | CCCTTCATTCCCTTTCCACC | CGAGTTCTTCGTCGCCGTTA | [9] |
| *IbACTIN* (reference gene) | AGCAGCATGAAGATTAAGGTTGTAGCAC | TGGAAAATTAGAAGCACTTCCTGTGAAC | [4] |

The CDS sequences of the genes used to design the primers in this study

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