**Supplementary Table S1 |** Primers used in this study.

|  |  |  |
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| **Primer** | **Sequence (5’→ 3’)\*** | **Used for** |
| SlEF1α\_Fw | ATTGGAAACGGATATGCCCCT | RT-qPCR (reference tomato) |
| SlEF1α\_Rv | TCCTTACCTGAACGCCTGTCA |
| WAT1\_qPCR\_FwWAT1\_qPCR\_Rv | GGGGGTCCAGTTTTTGTTGCCTCCGATTATCCCGCCCAAG | RT-qPCR (*SlWAT1* expression) |
| KH\_093\_FwKH\_093\_Rv | caccCGGCCCAACAATTTACAGCCCGAACTAGCCAAGCCTGAGGG | RNAi construct  |
| MA\_NPTII\_421\_FwMA\_NPTII\_421\_Rv | GAAGGGACTGGCTGCTATTAATATCACGGGTAGCCAAC | RNAi construct NPTIS |
| MA\_35S\_597\_FwMA\_35S\_597\_Rv | TACAAAGGCGGCAACAAACAGCAAGCCTTGAATCGTCC | RNAi construct 35S |
| SlWat1\_3.02\_FwSlWat1\_4.06\_FwSlWat1\_4.23\_FwSlWat1\_5.04\_Fw | GTATGGCAGAAGCAAAAGTACTAGGCTCTCGGTCACGTCGCGGGTACTTCTTGAGTACGGATATGGTGCATTGACAGAGG | sgRNAs CRISPR |
| KH\_156\_FwKH\_156\_Rv | CAGGAAAGACAGGCCACAACTCCTAACGCGAAGGAAGCCAT | genotyping |
| SlRub\_QPCR\_FSlRub\_QPCR\_R | GAACAGTTTCTCACTGTTGACCGTGAGAACCATAAGTCACC | Tomato rubisco gene |
| Vd-ITS-FwVd-ITS-Rv | AAAGTTTTAATGGTTCGCTAAGACTTGGTCATTTAGAGGAAGTAA | *V. dahliae* biomass |
| FolTub\_F: | CTCTGGCAACAAGTATGTTCCC | F. oxysporum Tubulin (biomass) |
| FolTub\_R: | TTGTCGGGACGGAAGAGCTGA |