**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\_Fw  WAT1\_qPCR\_Rv | GGGGGTCCAGTTTTTGTTGC  CTCCGATTATCCCGCCCAAG | RT-qPCR (*SlWAT1* expression) |
| KH\_093\_Fw  KH\_093\_Rv | caccCGGCCCAACAATTTACAGCCC  GAACTAGCCAAGCCTGAGGG | RNAi construct |
| MA\_NPTII\_421\_Fw  MA\_NPTII\_421\_Rv | GAAGGGACTGGCTGCTATT  AATATCACGGGTAGCCAAC | RNAi construct NPTIS |
| MA\_35S\_597\_Fw  MA\_35S\_597\_Rv | TACAAAGGCGGCAACAAAC  AGCAAGCCTTGAATCGTCC | RNAi construct 35S |
| SlWat1\_3.02\_Fw  SlWat1\_4.06\_Fw  SlWat1\_4.23\_Fw  SlWat1\_5.04\_Fw | GTATGGCAGAAGCAAAAGTA  CTAGGCTCTCGGTCACGTCG  CGGGTACTTCTTGAGTACGG  ATATGGTGCATTGACAGAGG | sgRNAs CRISPR |
| KH\_156\_Fw  KH\_156\_Rv | CAGGAAAGACAGGCCACAACT  CCTAACGCGAAGGAAGCCAT | genotyping |
| SlRub\_QPCR\_F  SlRub\_QPCR\_R | GAACAGTTTCTCACTGTTGAC  CGTGAGAACCATAAGTCACC | Tomato rubisco gene |
| Vd-ITS-Fw  Vd-ITS-Rv | AAAGTTTTAATGGTTCGCTAAGA  CTTGGTCATTTAGAGGAAGTAA | *V. dahliae* biomass |
| FolTub\_F: | CTCTGGCAACAAGTATGTTCCC | F. oxysporum Tubulin (biomass) |
| FolTub\_R: | TTGTCGGGACGGAAGAGCTGA |