



**Supplementary Figure S1.** Evaluation of virulence as (A) disease intensity (%) and (B) disease severity (cm<sup>2</sup>). Virulence evaluation of Pd27 and the overexpression transformants (OT1, OT2). All are mean of three infection experiments. Control correspond to oranges mock inoculated. Error bars represent standard deviation. \*Significant differences between treatments using Tukey's test ( $P < 0.05$ ) at each dpi.

**Table 1.** Oligo sequence used in this study.

Name	Sequence (5'-3')
M1-1	ACTTTCGGAGTCGGTTGCAC
M1-2	TACCGCCGATGGACAGGAAC
M1-3	ACGAGGAGCTGCTAGGCCGC
M1-4	CTAGGAACGAAGCATTTCAGC
M1-5	ATGGAACGCCTTTAACTTGG
M1-6	ATCAAGCAGCAAGTCGTTGG
M1-7	GGTCTTAAUACGAGGAGCTGCTAGGCCGC
M1-8	GGCATTAAUCTAGGAACGAAGCATTTCAGC
M1-9	GGACTTAAUATGGAACGCCTTTAACTTGG
M1-10	GGGTTTAAUATCAAGCAGCAAGTCGTTGG
M1-11	CTAGATAAGGTTCCCAGGAC
M1-12	GGGTTTAAUGCGATAAGAGCCGGATTTTCAG
M1-13	GGACTTAAUAGCTATTCCATGGACCGATATG
M1-14	ACCTTTGCGAACATATCGGTC
M1-16	AGTCACACCAGCCCCGATAG
HygRt	ATCGAAGCTGAAAGCACGAG
HygFt	GGCAATTTTCGATGATGCAGC
HygR	AGCTGCGCCGATGGTTTCTACAA
HygF	GCGCGTCTGCTGCTCCATACAA
hTubF	AGCGGTGACAAGTACGTTCC
hTubR	ACCCTTAGCCCAGTTGTTAC
qTubF	AGCGGTGACAAGTACGTTCC
qTubR	ACCCTTAGCCCAGTTGTTAC
q28SF	TTATAGCCGAGGGTGCAATG
q28SR	TTTCAAGACGGGTCGCTTAC
qH3F	AGGCTCCCCGTAAGCAGCTCGC
qH3R	CGACATGAGGCGGAACTTACCGG
qM1-F	AGTTGCAGCTGCGTACGATG
qM1-R	ACCAAATTGCCGAGACCACG