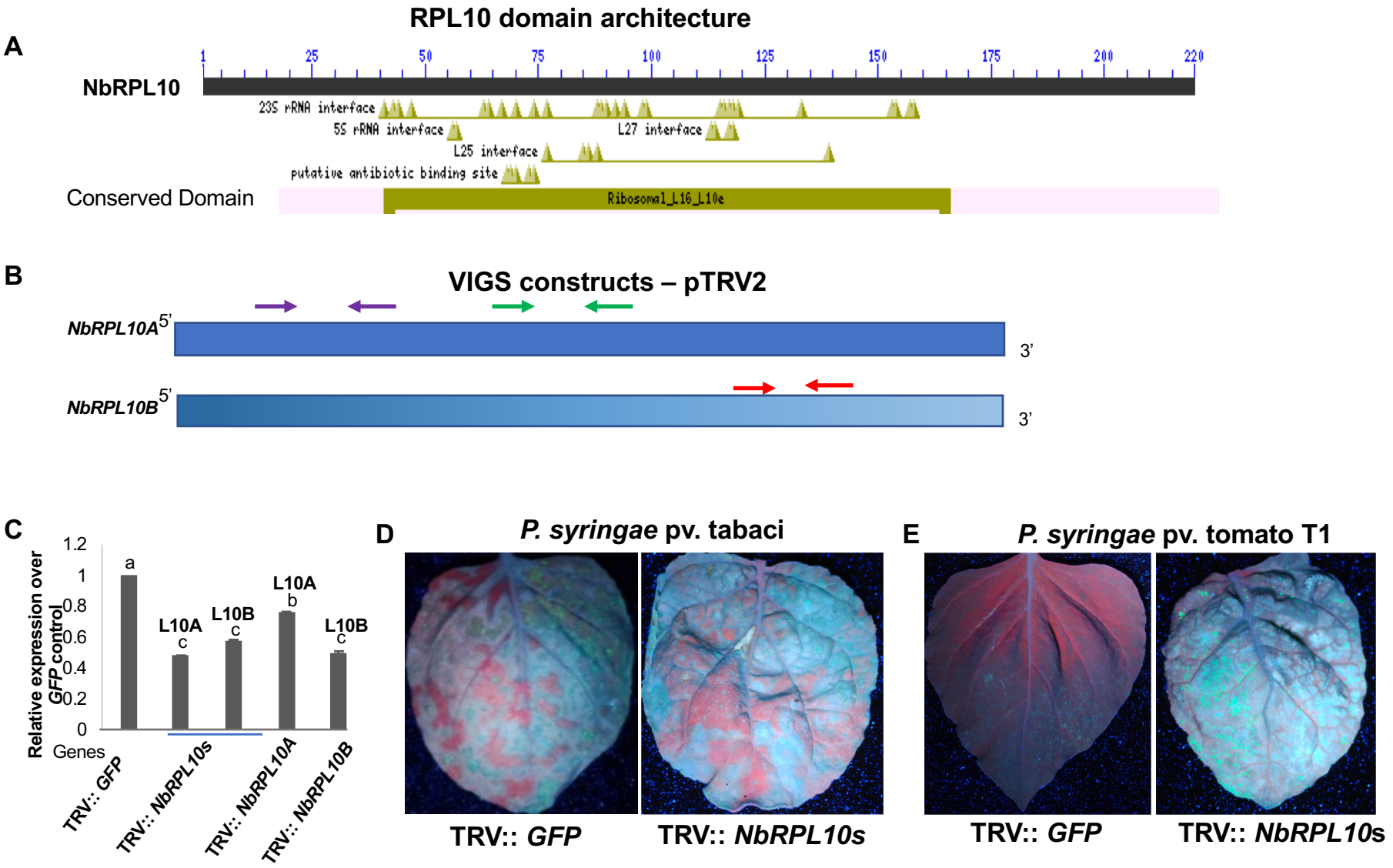
A
RPL10 domain architecture
NbRPL10
1
25
50
75
100
125
150
175
200
220
23S rRNA interface
5S rRNA interface
L27 interface
L25 interface
putative antibiotic binding site
Conserved Domain
Ribosomal_L16_L10e
B
VIGS constructs – pTRV2
NbRPL10A 5'
3'
NbRPL10B 5'
3'
C
Relative expression over GFP control
1.2
1
0.8
0.6
0.4
0.2
0
a
L10A
c
L10B
c
L10A
b
L10B
c
Genes
TRV:: GFP
TRV:: NbRPL10s
TRV:: NbRPL10A
TRV:: NbRPL10B
D
P. syringae pv. tabaci
TRV:: GFP
TRV:: NbRPL10s
E
P. syringae pv. tomato T1
TRV:: GFP
TRV:: NbRPL10s

Fig. S1.

Fig. S1. NbRPL10 protein architecture and the response of *NbRPL10* silenced *N. benthamiana* to host and to nonhost pathogens. (A) Conserved domain architecture of NbRPL10 protein showing the L16-L10 motif. The conserved domain in NbRPL10 is predicted using NCBI-CDD tool (https://www.ncbi.nlm.nih.gov/Structure/cdd/cdd.shtml). (B) *NbRPL10* gene segments used for VIGS were predicted using *PssRNAit* webserver (https://plantgrn.noble.org/pssRNAit/) and primer locations used to amplify the gene fragments is shown as arrows. The green arrow shows primers that amplify conserved region of *NbRPL10A* and *NbRPL10B* and this fragment when used for VIGS should silence both the genes. The purple arrow indicates primers that amplify a gene fragment that is specific to *NbRPL10A* and when used for VIGS should silence only *NbRPL10A*. Similarly, the red arrows amplify a gene fragment that is specific to *NbRPL10B*. (C) Transcript levels of *NbRPL10A* and *NbRPL10B* in VIGS silenced lines. The total RNA from 4-week old silenced plants was isolated and converted to cDNA for expression studies using RT-qPCR. The error bars indicate the expression from three biological replicates. (D) Response of *NbRPL10s* VIGS plants to *pDSKGFPuv* expressing host (*P. syringae* pv. tabaci) and nonhost (*P. syringae* pv. tomato T1) pathogens. Three weeks after TRV inoculation, *N. benthamiana* plants were vacuum infiltrated with host or nonhost pathogen at 1 x 10^4 cfu mL^{-1} concentration. Photographs were taken 3 days after pathogen infection under UV light.