

Fig. S1

NbPLC3-1 (Niben101Scf02280) ATTCTTTTATACGCGGAATAACCAAAAATTTTATACCTTCCCATTCTCTTAAGCAAAAA-----AACCGTACTTCTA-ACAATCACATAAAATCATTTCCTCTC 104
 NbPLC3-2 (Niben101Scf04093) ---CAACAATCCATT--ATAATCCC---AATTTTTATACCTTGCATTTTCTTAAGCAAAAAAACAAGAAAGAAAAACCGTTATCTCTCATATCACATAAAATCATTTCCTCTC 112

NbPLC3-1 (Niben101Scf02280) CTCAAAAAATCATCTCTCCGTTTTCCGTTTTCC-----TCTTTCAAACAATGTGAGACAGAGCTACAGAGTCTGTTTCTGTTTCCGCGCGGTTCCGGGTAGTCGCCGCCGAGG 217
 NbPLC3-2 (Niben101Scf04093) CTCACAATAATCATCCCTCCGTTTTCCGTTTTCTCTTTCAAACAATGTGAGACAGAGCTACAGAGTCTGTTTCTGTTTCCGCGCGGTTCCGAGTAGTCGCCGCCGAGG 232

NbPLC3-1 (Niben101Scf02280) CTCACGCGGATGTAAGAATTTTCAATAGATACTCCGATAACCGGATTAATGAATGACAGAAACCTACAACGATCTTAATTTGAGGTTGAGAAAGAGAAAAATGCGAGTTTAGAGGATG 337
 NbPLC3-2 (Niben101Scf04093) CTCGCGCGGATGTAAGAATTTTCAATAGATACTCCGATAACCGGATTAATGAATGACAGAAACCTACAACGATCTTAATTTGAGGTTGAGAAAGAGAAAAATGCGAGTTTAGAGGATG 352

NbPLC3-1 (Niben101Scf02280) CTCATGGTATTATG-----AAT-AATCTTCATG-ACCT-----TAAAGTCTTTAA---TATTTTTTCATCGGAGAGGTT 400
 NbPLC3-2 (Niben101Scf04093) CTCAGGGTATTTCGTCTCGCTTCTGCAATGAACTTGTGCAAGTCAAGTCAAGTGGTAGTACGCCAAGTTGAAACAAAATCACTGCTCTGCTTTTCAA-GCAGCAACT 471

NbPLC3-1 (Niben101Scf02280) TACATC-----TTGACGCATTTTTAAGTAT--CTTTTTGTCTGATATTA--ATC-CTCCTATCAATCTTAACCGCGGATTCACCATGATATGAATGAGCCTTTGTCTCAT 501
 NbPLC3-2 (Niben101Scf04093) TACAGCATATGTTGAAAAGATTTATGAAATTTATAGGATAACTTGAAGAGGAGTTGGGATCACTCTTTC---CTTATGCTCCAGATTCACCATGATATGAATGAGCCTTTGTCTCAT 588

NbPLC3-1 (Niben101Scf02280) TACTTCATATACACAGGACATAAATCTTATCTAACTGGGAATCAACTAAGTAGTGATTCAGTGTATTTCCATAAATCAAGCCCTGCACCGAGGTGACGAGTAATGAATTTGGATATA 621
 NbPLC3-2 (Niben101Scf04093) TACTTCATATACACAGGACATAAATCTTATCTAACTGGGAATCAACTAAGTAGTGATTCAGTGTATTTCCATAAATCAAGCCCTGCACCGAGGTGACGAGTAATGAATTTGGATATA 708

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NbPLC3-1 (Niben101Scf02280) CCCTCCCCGAATCACTGAAAAGACGCGTTTTGATATCAACTAAGCCGCCAAAAGATATCTTCAGCGAAGGAAGTTAAGGAAAAAGACTCGAAGAAAGAACGGATCACCTGATACA 981
 NbPLC3-2 (Niben101Scf04093) CCCTCCCCGAATCTCTGAAAAGACGCTTCTGATATCAACTAAGCCGCCAAAAGATATCTTCAGCGAAGGAAGTTAAGGAAAAAGACTCGAAGAAAGAACGGATCACCTGATACA 1068

NbPLC3-1 (Niben101Scf02280) GAAGCTTTGGGAAAGGAAGTTTCAGACCTTAAAGCCAGATACAATGATAAG---GATGATTTCTGATGATGGAGTAGTGAAGTGAATTAAGCGATGAAGGAGATCCCAATTCACAG 1098
 NbPLC3-2 (Niben101Scf04093) GAAGCTTTGGGAAAGGAAGTTTCAGACCTTAAAGCCAGATACAATGATAAG---GATGATTTCTGATGATGGAGTAGTGAAGTGAATTAAGCGATGAAGGAGATCCCAATTCACAG 1188

NbPLC3-1 (Niben101Scf02280) CAAAATGTAGCACCAGAATACAACGCTTTAATTTGCCATTCATGCTGAAAAGGAAAAGTGGACTGTGATTTGGCTGAGGGTTGATCCTGATAAAGTAAGACGCTTAGCTTGAAGTGA 1218
 NbPLC3-2 (Niben101Scf04093) CAAA-TGTCGACACGAATACA-----TATGCTGAAAAGGAAAAGTGGATTTGTGATTTGGCTGAGGGTTGATCCTGATAAAGTAAGACGCTTAGCTTGAAGTGA 1290

NbPLC3-1 (Niben101Scf02280) CAAGAATTTGAAAAGGCTGTAGTTACTCATGAAAAGAAAATATCAGGTTCACTAAGGAAACTTGTGAGAATATACCAAAGGCCATACGTTTTGACTCATTAATACAACCTCTT 1338
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NbPLC3-1 (Niben101Scf02280) GTTGATGGGCGCATGGAGCTCAAAATGGTGCATTAATATGCAAGGCTATGGAAGATCACTTTGGTAAATGATGATGTTTCAAGTCAAAATGGTGGTTGTGGATATGTTAAGAAACCA 1458
 NbPLC3-2 (Niben101Scf04093) GTTGATGGGCGCATGGAGCTCAAAATGGTGCATTAATATGCAAGGCTATGGAAGATCACTTTGGTAAATGATGATGTTTCAAGTCAAAATGGTGGTTGTGGATATGTTAAGAAACCA 1527

NbPLC3-1 (Niben101Scf02280) GATATACTATTGAAAGCGGTTCCCAACAATCAGGTTTTCGATCTGAAGCAAAATTTCCAGTCAAAAATCACTTGAAGTGGCCGATTTTATGGTGAAGGATGGTATTATGATTTCAAG 1578
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NbPLC3-1 (Niben101Scf02280) CACACACACTTTGATGCATACTCGCTCCAGATTTCTATGCAAAAGTAGGAATGCGGAGTTCTGGCTGATAATATAATGAAGAAAAAAGACTCTTGAGGACAATTTGGATACCAACT 1698
 NbPLC3-2 (Niben101Scf04093) -----CTTTAAAGTACATT---TCAAG--TTGGAAGTTAAGATAGGAATGCGCGAGTTCCCGCAGATAATGTAATGAAGAAAAAAGACTGAGGATAAATTTGGATACCAACT 1695

NbPLC3-1 (Niben101Scf02280) TGGGATGAAAAGTTTGTAGTTCCCATTAACAGTTCTGAAATGGCTCTACTTCCGCTGAAAGTTCATGAGTATGATATGCTGAAAAGATGATTTTGTGCGCCAAACTTTGTTACCTGTT 1818
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NbPLC3-1 (Niben101Scf02280) TCAGAACTAAGCAAGGATCCGAGCAGTTTCACTCCAGCAGGAAAAGGAGGAAATAACAATCTGTGAAAGTCTTATGCGCTTCGAATTTGTCTAACTGTGAGTCCGTTGTTTCTC 1938
 NbPLC3-2 (Niben101Scf04093) TCAGAACTAAGCAAGGATCCGAGCAGTTTCACTCCAGCAGGAAAAGGAGGAAATAACAATCTGTGAAAGTCTTATGCGCTTCGAATTTGTCTAACTGTGAGTCCGTTGTTTCTC 1934

NbPLC3-1 (Niben101Scf02280) TTTATGTTCTGTGTTTGTGTGGTAAATTTCT-GTATCTTTGTGAGTATGTG-AGATGAGATGTAATAAATATATGTAGTAAGATGTGTGCAAAATATTTTTGGAAAGTTGTCTGTCTCT 2056
 NbPLC3-2 (Niben101Scf04093) TTTATGTTCTGTGTTTGTGTGGTAAATTTTGTGATCTTTGTGCAAAATGTTTGGTGAAGTGTAAATAAATATATGTGTGTAATAATGTGTGCAAAATATTTTTGGAAAGTTGTCTGTCTCT 2054

NbPLC3-1 (Niben101Scf02280) TTGTAACCTGTG-----GTAAATCTG-----TAAATAGATGTGTGGTAAATATGTGTGAAATTAATTTTTGAAAATTCGTCTCATTTTCATGGTATTTGTAATGCTGCAATCAAG 2165
 NbPLC3-2 (Niben101Scf04093) TTGTAACCTGTGTAATACATAAGCTCTGAGATGTAATAGATGTAT--GGTAAATGTGTGAAATTA-----TGTCAATTCAGTGGTGGTTATATGCTGCAATCAAA 2156

NbPLC3-1 (Niben101Scf02280) TAAAAATATATGGCGCTAATCACTGGGATTTATTTTATCTTAAGCTTTAGGTGGACAATTAATCTTAATACTACCTGTTTGTGAACAATTCAGGTCGTCGCAATCAATTTGAACA 2285
 NbPLC3-2 (Niben101Scf04093) TAAAAATATATGGCGCTAATCACTGGGATTTATTTTATCTTAAGCTTTAGGTGGACAATTAATCTTAATACTACCTGTTTGTGAACAATTCAGGTCGTCGCAATCAATTTGAACA 2219

NbPLC3-1 (Niben101Scf02280) CTGCCG 2291
 NbPLC3-2 (Niben101Scf04093) -----

**Figure S1 Nucleotide sequences of *NbPLC1-1* and *NbPLC1-2*.
 cDNA fragments used for VIGS experiments are shown with gray backgrounds.**

Fig. S3

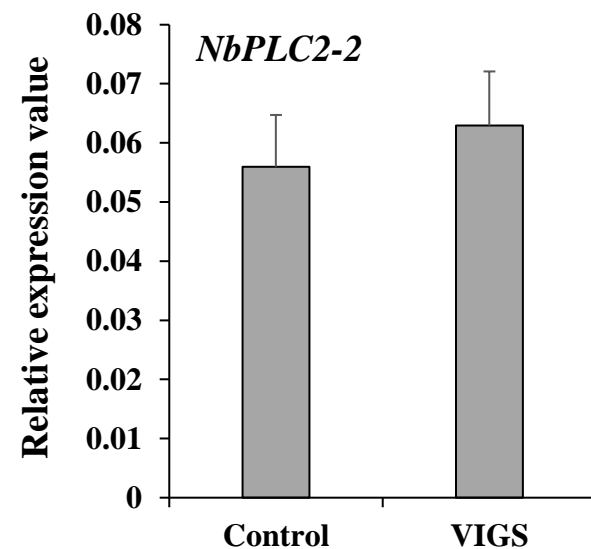
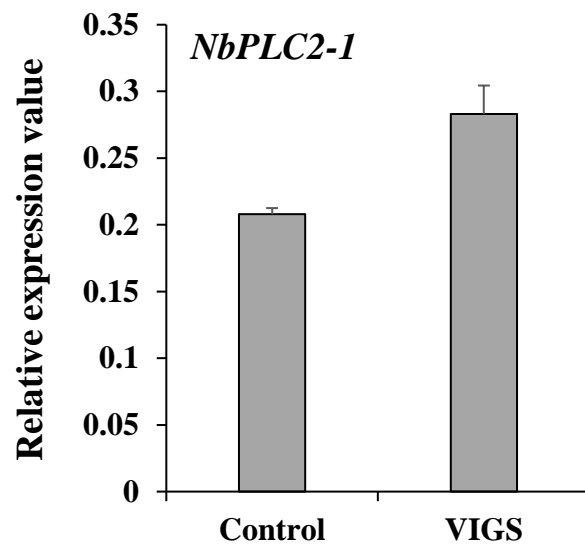
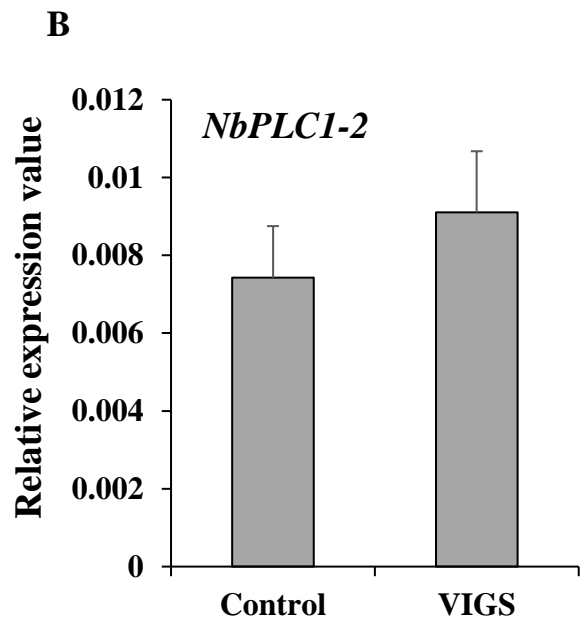
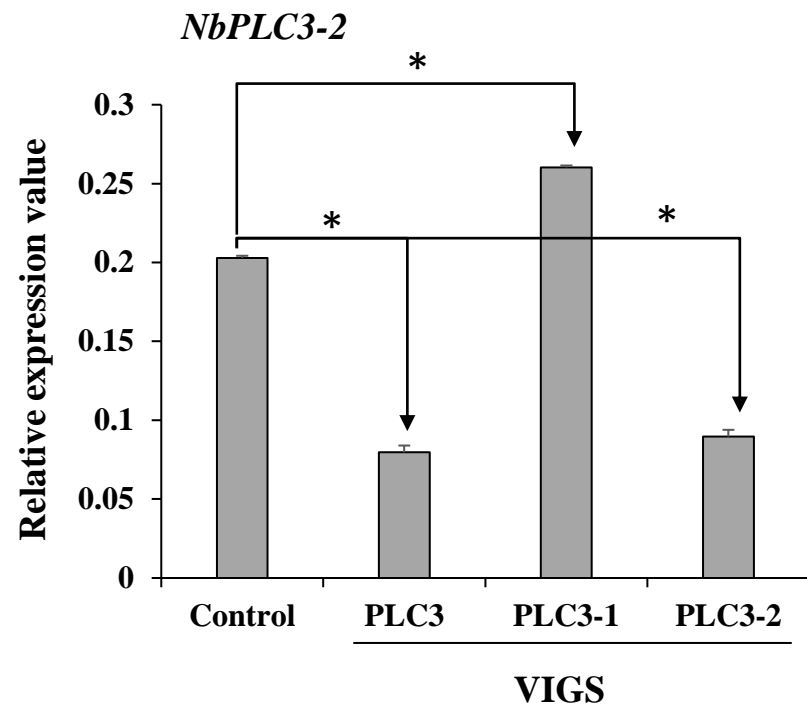
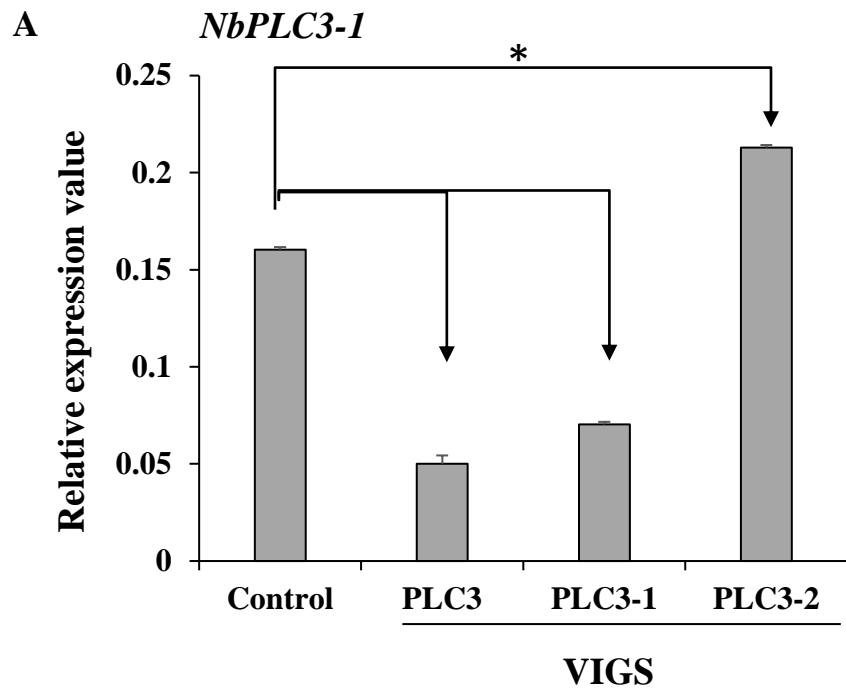
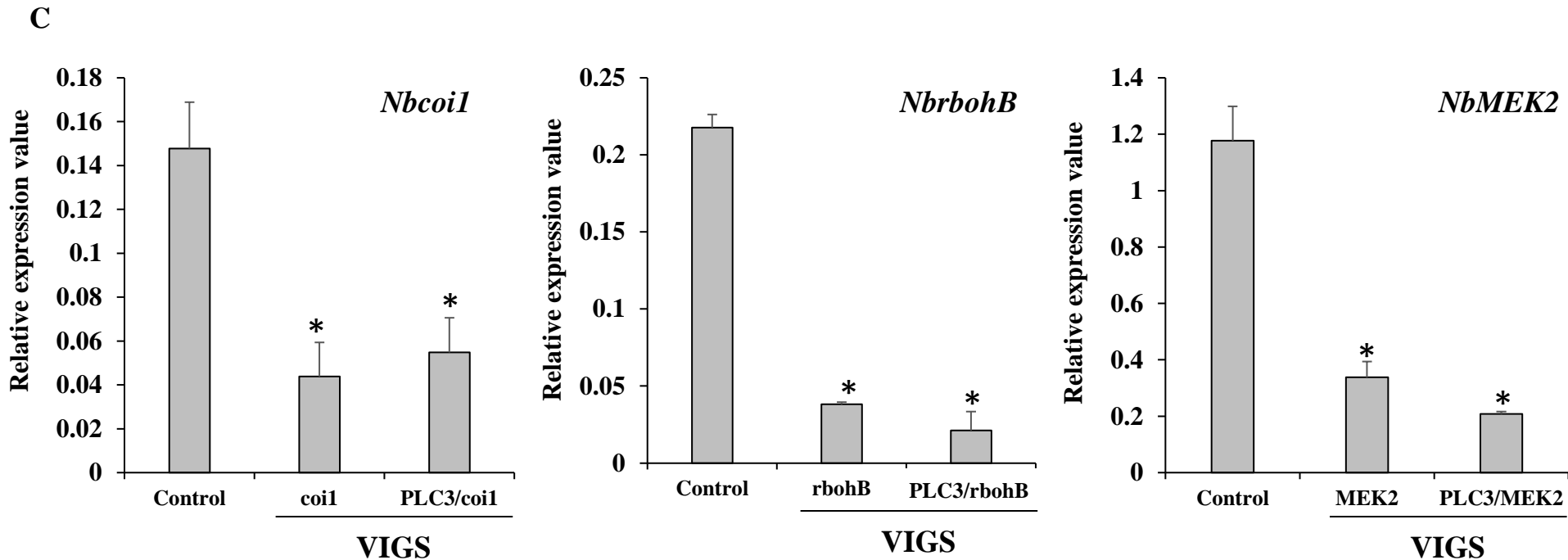


Fig. S3 continued



Estimation of expression value of *NbPLC3-1*, *NbPLC3-2*, *NbPLC1-2*, *NbPLC2-1*, *NbPLC2-2*, *Nbcoi1*, *NbrbohB* and *NbMEK2*.

(A) Total RNAs were isolated from empty vector control, *NbPLC3-1*- (VIGS:PLC3-1), *NbPLC3-2*- (VIGS:PLC3-2) and both *NbPLC3-1*- and *NbPLC3-2*- (VIGS:PLC3) silenced plants. Transcript levels of *NbPLC3-1* and *NbPLC3-2* were estimated by qRT-PCR. Values represent means \pm SDs from triplicate experiments. (B) Total RNAs were isolated from empty vector control and both *NbPLC3-1*- and *NbPLC3-2*- (VIGS) silenced plants. Transcript levels of *NbPLC1-2*, *NbPLC2-1* and *NbPLC2-2* were estimated by qRT-PCR. (C) Total RNA was isolated from empty vector control (Control), *Nbcoi1* (coi1) and *NbPLC3s:Nbcoi1* double-knockdown (PLC3/coi1), *NbrbohB* (rbohB) and *NbPLC3s:NbrbohB* double-knockdown (PLC3/rbohB), *NbMEK2* (MEK2) and *NbPLC3s:NbMEK2* double-knockdown (PLC3/MEK2) plants. Transcript levels of *Nbcoi1*, *NbrbohB* and *NbMEK2* were estimated by qRT-PCR. Transcripts relative to the absolute non-treated control were normalized to internal standard genes (NbUbe35/NbNQO). Values represent means \pm SDs from triplicate experiments.

Fig. S4

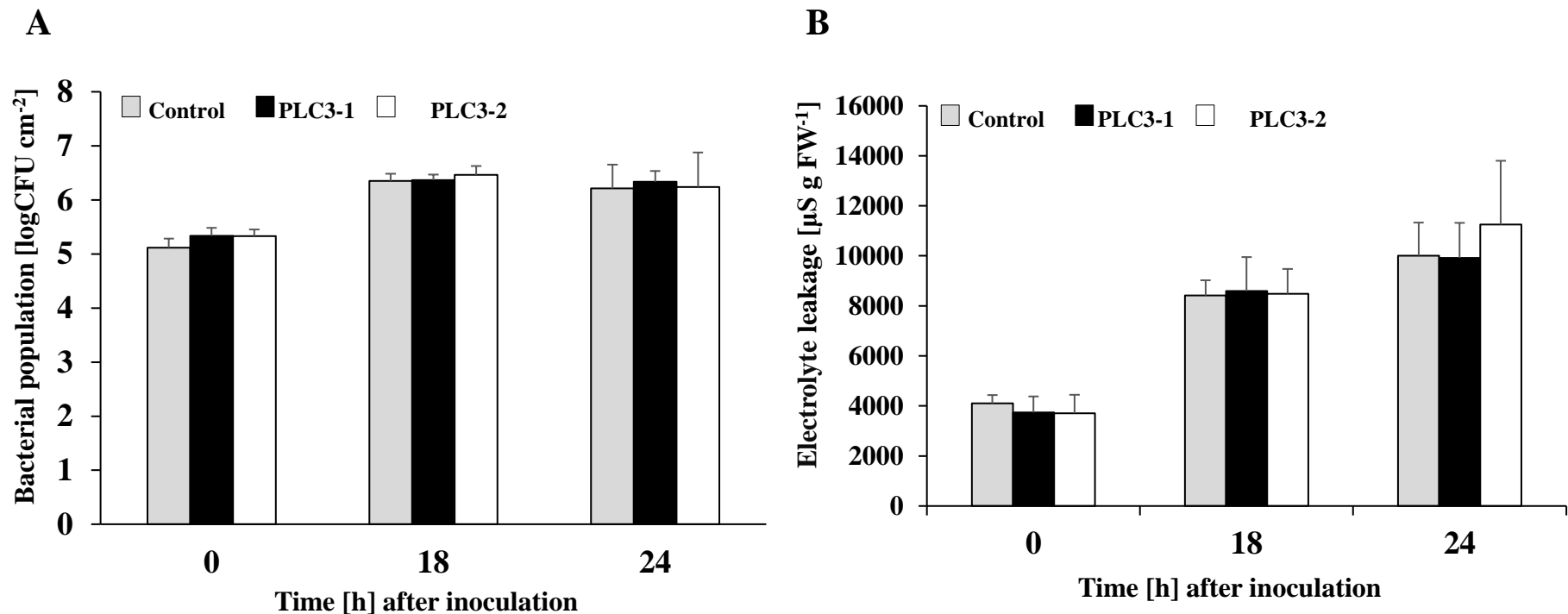


Figure S4 Effects of *NbPLC3-1*- and *NbPLC3-2*-specific silencing on hypersensitive response (HR) induction by incompatible *Ralstonia solanacearum* 8107.

Control, *NbPLC3-1*- and *NbPLC3-2*-silenced plant leaves were infiltrated with *R. solanacearum* strain 8107. (A) The bacterial populations of *R. solanacearum* 8107 in Control (gray bar), *NbPLC3-1*-silenced (VIGS; black bar) and *NbPLC3-2*-silenced (VIGS; white bar) plants were determined by plating at specified time points. Values are means \pm SDs of five replicate experiments. (B) Cell death induced by *R. solanacearum* was determined in Control (gray bar), *NbPLC3-1*-silenced (VIGS; black bar) and *NbPLC3-2*-silenced (VIGS; white bar) plants by measuring the ion conductivity levels. Values represent means \pm SDs ($n = 5$).

Fig. S5

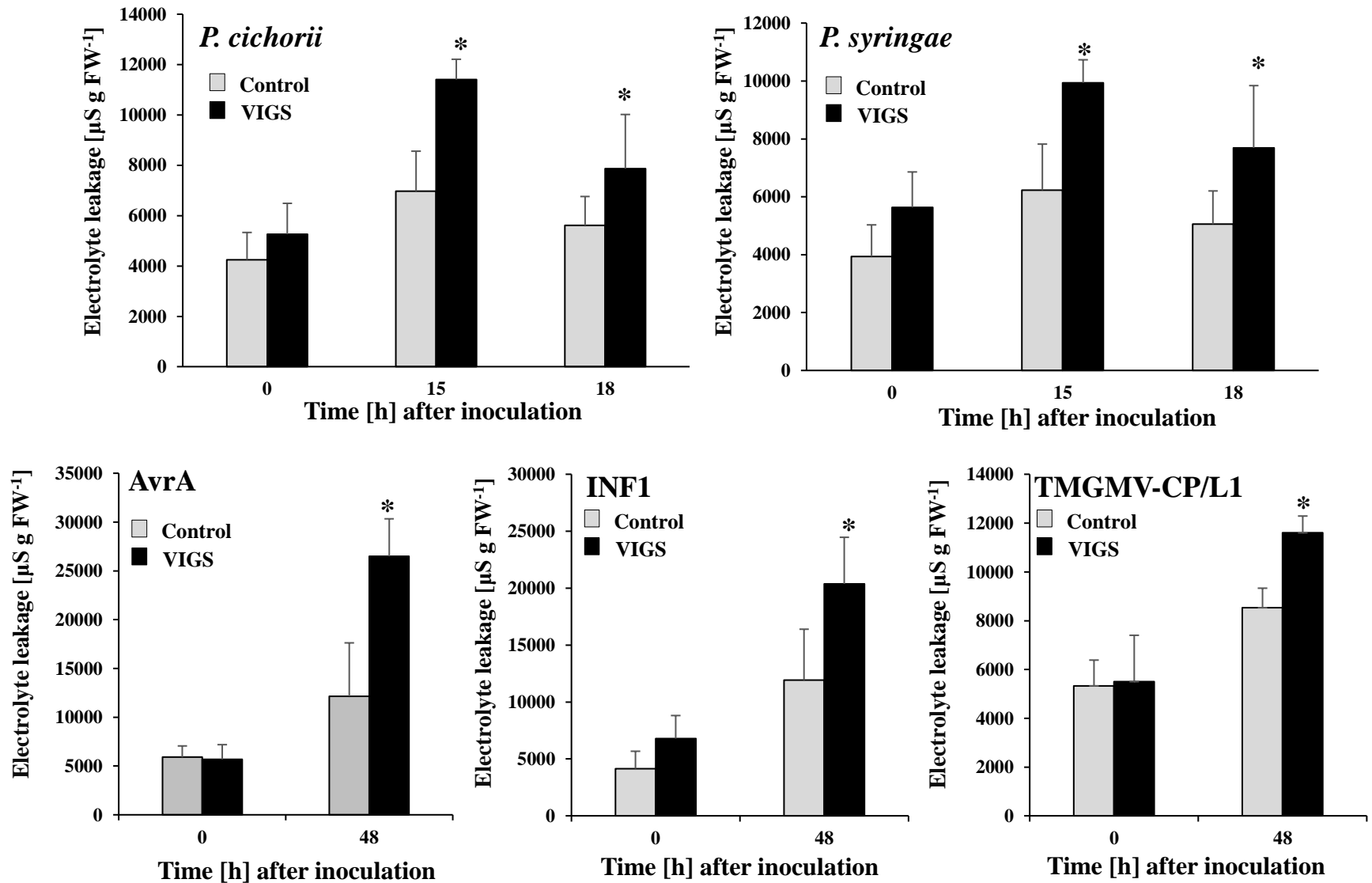


Figure S5. Effects of *NbPLC3s*-silencing on HR induction by *Pseudomonas cichorii*, *Pseudomonas syringae* pv. *phaseolicola*, AvrA, INF1 and TMGMV-CP with L1.

Control and *NbPLC3s*-silenced *N. benthamiana* plants were infiltrated with *Pseudomonas cichorii*, *P. syringae*, *Agrobacterium* harboring independently 35S-AvrA (AvrA) and 35S-INF1 (INF1). Cell death induction was determined by measuring the ion conductivity level. Values represent means \pm SDs ($n = 5$).

Fig. S6

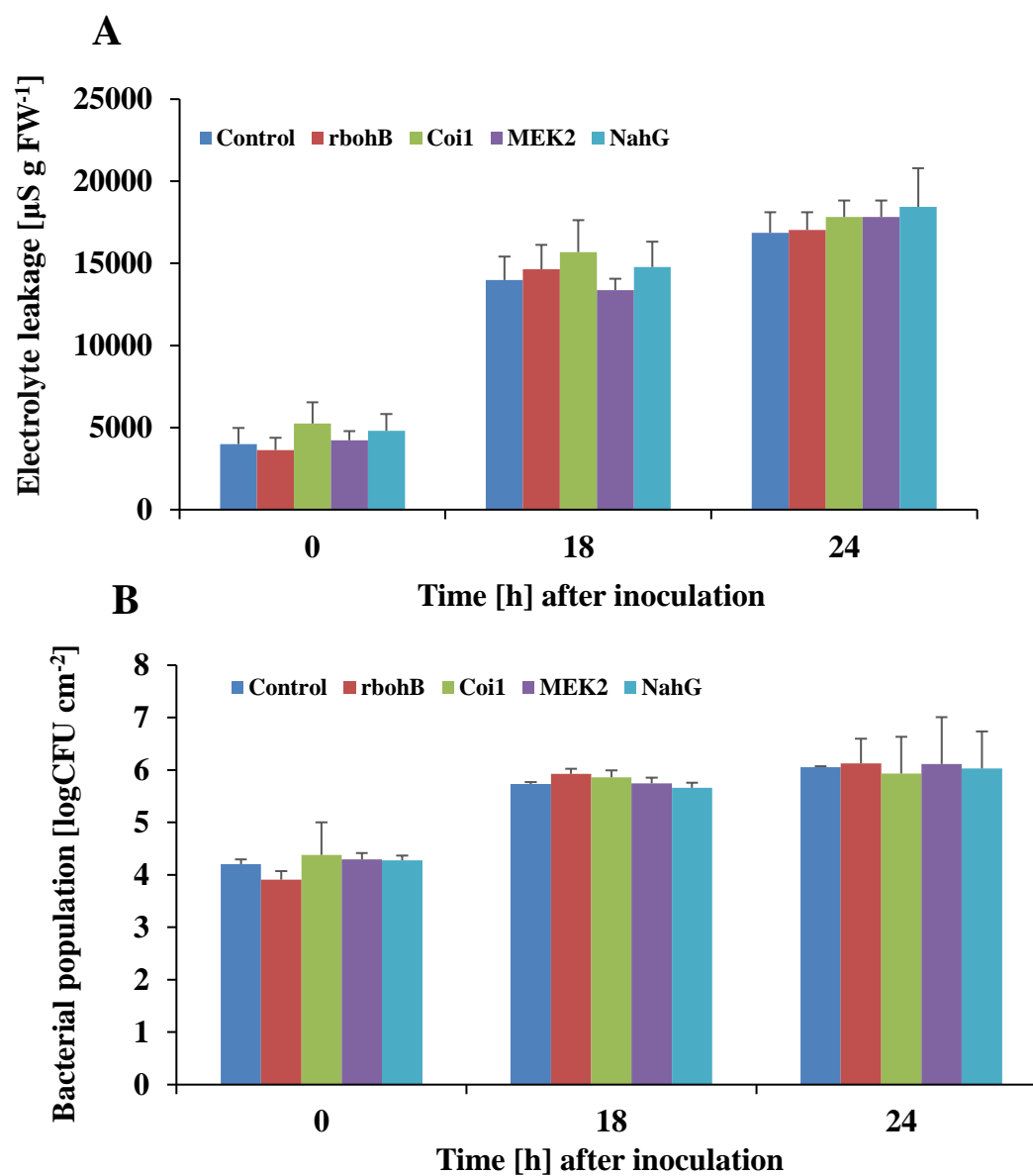


Figure S6. Bacterial population and hypersensitive cell death induction by incompatible *Ralstonia solanacearum* 8107 in *Nbcoi1*, *NbrbohB* and *NbMEK2*-silenced plants and NahG plant.

Control, *Ncoi1*-, *NbebohB* and *NbPLCNEK2*-silenced plant leaves were infiltrated with *R. solanacearum* strain 8107. (A) Cell death induced by *R. solanacearum* was determined in Control (gray bar), *NbPLC3-1*-silenced (VIGS; black bar) and *NbPLC3-2*-silenced (VIGS; white bar) plants by measuring the ion conductivity levels. Values represent means \pm SDs ($n = 5$). (B) The bacterial populations of *R. solanacearum* 8107 in Control (gray bar), *NbPLC3-1*-silenced (VIGS; black bar) and *NbPLC3-2*-silenced (VIGS; white bar) plants were determined by plating at specified time points. Values are means \pm SDs of five replicate experiments.

Table S1 Primers used in this paper

Primers	Sequence [5`-3`]	Purpose	Reference
PLC3-1S	ATTCCTTTTATACGCGGAATAACCAC	Full length cDNA	This study
PLC3-1A	CGGCAGTGTTCAAATTGATTTG	Full length cDNA	This study
PLC3-2S	CAACAATCCATTATAATCCCAATTTTTATAC	Full length cDNA	This study
PLC3-2A	TATCATTTTGTGATACTATAAATTTGAACCTTG	Full length cDNA	This study
PLC3sVIGSS	GTCGACGATTACCATGATATGAATGAG	VIGS vector	This study
PLC3sVIGSR	GTCGACGAATCGGGAGAAAACAGCATG	VIGS vector	This study
PLC3-1VIGSS	GTCGACTTGTTCCTTCTTATGTTTCTGTGTT	VIGS vector	This study
PLC3-1VIGSA	GTCGACTTGTCCACCTAAAGCTTAGATAAAT	VIGS vector	This study
PLC3-2VIGSS	GTCGACGTCGTTTGTTCCTTCTTATGTTT	VIGS vector	This study
PLC3-2VIGSA	GTCGACTATCATTTTGTGTTGATACTATAAATTTG	VIGS vector	This study
RV20	CAGGAAACAGCTATGAC	Sequencing	Maimbo et al. 2007
M4	GTTTTCCAGTCACGAC	Sequencing	Maimbo et al. 2007
NbPLC3-1rtpF	GTTCCCATTAACAGTTCCTGAG	qRT-PCR	This study
NbPLC3-1rtpR	GCGACTCACAGTTAGACAAAATTCGAAG	qRT-PCR	This study
NbPLC3-2rtpF	GTTCCCATTAACAGTTCCTGAA	qRT-PCR	This study
NbPLC3-2rtpR	TTTCGAATTTGTCTAACTGTGAGTCGT	qRT-PCR	This study
NbPR1rtpF	GGTCAACACGGCGAAAACC	qRT-PCR	Maimbo et al. 2007
NbPR1rtpR	GCCTTAGCAGCCGTCATGA	qRT-PCR	Maimbo et al. 2007
NbPR4rtpF	GGCCAAGATTCTGTGGTAGAT	qRT-PCR	Maimbo et al. 2007
NbPR4rtpR	CACTGTTGTTTGAGTTCCTGTTCTCT	qRT-PCR	Maimbo et al. 2007
NbICS1rtpF	ATTCATGGTCCCTCA	qRT-PCR	Maimbo et al. 2007
NbICS1rtpR	TTCCTGGTCAAACAT	qRT-PCR	Maimbo et al. 2007
NbORPrtpF	AGGCACTAAGATTTCTC	qRT-PCR	Maimbo et al. 2007
NbOPRrtpR	GTTGATCCCATCTTTC	qRT-PCR	Maimbo et al. 2007
Nbhin1rtpF	CGGTCCACCCGAAGTCAA	qRT-PCR	Maimbo et al. 2007
Nbhin1rtpR	ACGCCGTCGATGAAGTAGTCA	qRT-PCR	Maimbo et al. 2007
NbUbe35rtpF	CTTCAGATTTCGACCCGTTCT	qRT-PCR	Pombo et al. 2018
NbUbe35rtpR	CCAATGCTTCGCAATGTTTCTC	qRT-PCR	Pombo et al. 2018
NbNQOrtpF	AAGGCGGTGGTCAAGAAA	qRT-PCR	Pombo et al. 2018
NbNQOrtpR	CAAACATAACAGCACC GAATG	qRT-PCR	Pombo et al. 2018
NbrbohBrtpF	AACAACCTCGGATACATTAT	qRT-PCR	Deang et al. 2015
NbrbohBrtpR	TGTAAATAGACCAGCCATAA	qRT-PCR	Deang et al. 2015
NbMEK2rtpF	GTGATTGGGCTAGTCTTAT	qRT-PCR	Deang et al. 2015
NbMEK2rtpR	AGTGGCTGGTCTATTCTGG	qRT-PCR	Deang et al. 2015
Nbcoi1rtpF	GCTCCACGCGATTACCAACGG	qRT-PCR	Song et al. 2020
Nbcoi1rtpR	CTGCCACCATCTCTTGACACC	qRT-PCR	Song et al. 2020

Table S2 List of plasmids used in this study.

Plasmid	Relevant characteristics	Reference
pMD20	Cloning vector pMD20, Amp ^r	Takara Bio
pMD-NbPLC3-1 full	pMD20 carrying full length sequence of <i>NbPLC3-1</i> cDNA	This study
pMD-NbPLC3-2 full	pMD20 carrying full length sequence of <i>NbPLC3-2</i> cDNA	This study
pMD-NbPLC3s	pMD20 carrying identical sequence of <i>NbPLC3-1</i> and <i>NbPLC3-2</i> fragment for VIGS	This study
pMD-NbPLC3-1	pMD20 carrying <i>NbPLC3-1</i> fragment for VIGS	This study
pMD-NbPLC3-2	pMD20 carrying full length <i>NbPLC3-2</i> fragment for VIGS	This study
pPVX201	pPVX binary vector, Km ^r	Baulcombe <i>et al.</i> , 1995
pPVXPLC3s	pPVX binary vector containing identical sequence of <i>NbPLC2-1</i> and <i>NbPLC3-2</i> fragment for VIGS	This study
pPVXPLC3-1	pPVX binary vector containing PLC3 -1 cDNA fragment for VIGS	This study
pPVXPLC3-2	pPVX binary vector containing PLC3 -2 cDNA fragment for VIGS	This study
P35S-AvrA	pMDC32-derived plasmid that contains the full-length <i>avrA</i>	Poueymiro <i>et al.</i> 2009
P35S-INF1	pGR106 binary vector carrying <i>PR1a:Inf1</i> fusion gene	Huitema <i>et al.</i> , 2005
P35S-MEK ^{DD}	pGreen binary vector carrying constitutive active form of MEK	Katou <i>et al.</i> 2003
P35S-TMGMV-CP	pRI101-AN vector carrying coat protein gene from TMGMV	Gupta <i>et al.</i> 2013
P35S-L1	pRI101-AN vector carrying <i>L1</i> gene from papper	Gupta <i>et al.</i> 2013