

New Phytologist Supporting Information

Title: Activity-based proteomics uncovers suppressed hydrolases and a neo-functionalised antibacterial enzyme at the plant-pathogen interface.

Authors: Daniela J. Sueldo, Alice Godson, Farnusch Kaschani, Daniel Krahn, Till Kessenbrock, Pierre Buscaill, Christopher J. Schofield, Markus Kaiser and Renier A. L. van der Hoorn.

Article acceptance date: 16.2.2023

Table S1 Used oligonucleotides.

Name	Purpose	Sequence (5' to 3')
PR3_F	Clone <i>NbPR3</i> from cDNA	tggtggtctcaaATGGAGTTTTCTGGATCACCCTGG
PR3_R	Clone <i>NbPR3</i> from cDNA	ttcgtggtctcaaagcCTAGCCCTGGGCGAAGTTCCTT
RD21_F	Clone <i>NbRD21</i> from cDNA	tggtggtctcaaATGGCAAATCATAGCTCCACTCTCA
RD21_R	Clone <i>NbRD21</i> from cDNA	ttcgtggtctcaaagcTCAAGAACTGCTCTCCGTCCT
SBT1.7a_F1	Clone <i>NbSBT1.7a</i> from cDNA, remove BsaI	tggtggtctcaaATGTCTAGATACCCAGTAATACTTG
SBT1.7a_R1	Clone <i>NbSBT1.7a</i> from cDNA, remove BsaI	ttcgtggtctcaACCCTTCTCCATAGCAGCAA
SBT1.7a_F2	Clone <i>NbSBT1.7a</i> from cDNA, remove BsaI	tggtggtctcaGGGTATTTTGGTGTCTTGTTTCAGC
SBT1.7a_R2	Clone <i>NbSBT1.7a</i> from cDNA, remove BsaI	ttcgtggtctcaaagcTCATGTCCAAGAAATTGCCACAG
SCPL20_F	Clone <i>NbSCPL20</i> from cDNA	tggtggtctcaaATGGCAAGAATAAATGC
SCPL20_R	Clone <i>NbSCPL20</i> from cDNA	ttcgtggtctcaaagcTCATATGTTCTTGCCCTC
SCPL48_F	Clone <i>NbSCPL48</i> from cDNA	tggtggtctcaaATGGCTTCTTCTTTCTCTC
SCPL48_R	Clone <i>NbSCPL48</i> from cDNA	ttcgtggtctcaaagcCTAGGACAATTTGCCTTG
E92A_F	Mutate E92A in <i>NbPR3</i> by SDM	cttctcatcaactactggtggtccctgagtcagaacc
E92A_R	Mutate E92A in <i>NbPR3</i> by SDM	ccaccagtagttgcatgagaagttgaccgaaaaggcagc
Q112E_F	Mutate Q112E in <i>NbPR3</i> by SDM	gctttgtcgggaaaatgaccagagtgaaagatattatggttagaggacctcc
Q112E_R	Mutate Q112E in <i>NbPR3</i> by SDM	cactctggtcattttcccgaacaaagcaatatcctctgtaaatggttctgc

Table S2 Used plasmids.

Name	Description	Reference
pICH51288	pL0M-PU-35S-TMV-3-5128835S	Engler <i>et al.</i> , 2014
pICH41414	pL0M-T-35S-1-4141435S	Engler <i>et al.</i> , 2014
P19	Binary 35S::P19	Van der Hoorn <i>et al.</i> , 2003
pJK001c	Binary empty vector (EV)	Paulus <i>et al.</i> , 2020
pAG001	Binary 35S::NbPR3	This work
pPB034	Binary 35S::NbRD21	This work
pAG003	Binary 35S::NbSBT1.7a	This work
pAG004	Binary 35S::NbSCPL20	This work
pAG005	Binary 35S::NbSCPL48	This work
pAG006	Binary 35S::NbPR3 ^{E92A}	This work
pAG007	Binary 35S::NbPR3 ^{Q112E}	This work

Table S4 protein concentrations in AF.

Protein concentration (mg/mL)		Ratio
Mock	ΔhQ	(ΔhQ/WT)
0.136	0.864	6.35
0.078	0.921	11.8
0.042	0.783	18.6
0.058	1.148	19.8