Table S1 Bacterial strains and plasmids used in this study

Strains or plasmids	Relevant characteristics[a]	Reference or source
Strains		
Escherichia coli		
DH5α	F⁻ Φ80d*lacZ* ΔM15Δ(*lacZYA-argF*)U169 *endA1 deoR recA1 hsdR17*(r_K^- m_K^+) *phoA supE44* λ^- *thi-l gyrA96 relA1*	Clontech
Bl21(DE3)	F⁻ *ompT hsdS20*(r_b^- m_b^-) *gal*	Novagen
X. oryzae pv. *oryzae*		
PXO99^A	5-azacytidine resistant, race 6	(21)
PΔ*hrpF*	PXO99^A *hrpF* knock-out mutant, Rif^r	This lab
PΔ*hpa2*	PXO99^A *hpa2* knock-out mutant, Rif^r	This lab
PΔ*hpa2*Δ*hrpF*	PXO99^A *hpa2* and *hrpF* double knock-out mutant, Rif^r	This lab
PΔ*hrcV*	PXO99^A *hrcV* knock-out mutant, Rif^r	This lab
X. oryzae pv. *oryzicola*		
RS105	Wild type, Rif^r, Chinese race 2	This lab
RΔ*hrpX*	RS105 *hrpX* knock-out mutant, Rif^r	This lab
RΔ*hrpG*	RS105 *hrpG* knock-out mutant, Rif^r	This lab
RΔ*hrcV*	RS105 *hrcV* knock-out mutant, Rif^r	This lab
RΔ*hrpF*	RS105 *hrpF* knock-out mutant, Rif^r	This lab
RΔ*hpa2*	RS105 *hpa2* knock-out mutant, Rif^r	This study
RΔ*hrpD6*	RS105 *hrpD6* knock-out mutant, Rif^r	(18)
RΔ*hpa2*Δ*hrpF*	RS105 *hpa2* and *hrpF* double knock-out mutant, Rif^r	This study
CRΔ*hpa2*	RΔ*hpa2* containing pCRhpa2, Rif^r, Km^r	This study
Yeast		
AH109	MATa, *trp1-901, leu2-3, 112, ura3-52, His3-200, gal4, gal80, LYS2::GAL1UAS-GAL1TATA-His3*	Clontech
Agrobacterium tumefaciens		
GV3101	Gent^r	This lab
Plasmids		
pMD18-T	pUC *ori*, cloning vector, Ap^r	Takara
pZWavrXa10	*avrXa10* fused to *lacZ* promoter of pBluescript II KS(+), Ap^r	(57)
pMDΔ28AvrX10	pMD18-T containing *avrXa10* lacking the first 28 amino acids, Ap^r	This lab
pUFR034	*IncW*, *Mob(p), Mob*$^+$*, LacZa*$^+$, PK2 replicon, cosmid, Km^r	(10)
pKMS1	Suicide vector derivative from pK18mobGII, *sacB*$^+$, Km^r	(27)
pA-GFP	pUC18-backbone, pUC *ori*, Ap^r	This lab
pET41a (+)	pBR322 origin, F1 origin, *lac*I, His-Tag, S-Tag, Km^r	Novagen
pET30a (+)	pBR322 origin, f1 origin, *lac*I, His-Tag, S-Tag, GST-tag, Km^r	Novagen
1301-YN	derivated from pCAMBIA1301 which encodes the N-terminal portion of YFP, Km^r	This lab
1301-YC	derivated from pCAMBIA1301 which encodes the C-terminal portion of YFP, Km^r	This lab
pGADT-7	*GAL4*(768-881) AD, *LEU2*, HA epitope tag, Ap^r	Clontech
pGBKT-7	*GAL4*(1-147) BD, *TRP1*, c-myc epitope tag, Km^r	Clontech
pGADT7-T	SV40 large T-antigen(84-708) in pGADT-7, *LEU2*, Ap^r	Clontech
pGBKT7-53	Murine p53(72-390) in pGBKT-7, *TRP1*, Km^r	Clontech
pGBKT7-Lam	Human lamin C(66-230) in pGBKT-7, *TRP1*, Km^r	Clontech
pAHrpF	pGADT-7 containing *hrpF*, Ap^r	This study
pBhrpF	pGBKT-7 containing *hrpF*, Km^r	This study
pKΔhpa2	pKMS1 containing the fusion of the upstream and downstream homologous fragments of *hpa2*, Km^r	This study
pKΔhrpF	pKMS1 containing the fusion of the upstream and downstream homologous fragments of *hrpF*, Km^r	This study
pΔ28AvrX10	pUFR034 expressing *avrXa10* lacking the first 28 amino acids with its own promoter, Km^r	This lab
pAvrXa10	pUFR034 expressing AvrXa10 with a FLAG tag, Km^r	This lab
phpa2GUS	pUFR034 containing the *hpa2* promoter region-*gusA* fusion	This study

	fragment, Km^r	
pCRhpa2	pUFR034 expressing Hpa2 with its own promoter, Km^r	This study
pCRhrpF	pUFR034 expressing HrpF with its own promoter, Km^r	This study
pAHpa2	pGADT-7 expressing Hpa2, Ap^r	This study
pBHpa2	pGBKT-7 expressing Hpa2, Km^r	This study
pHpa2-YN	1301-YN expressing Hpa2, Km^r	This study
pHrpF-YC	1301-YC expressing HrpF, Km^r	This study
pHpa2-GFP	pA-GFP expressing Hpa2, Ap^r	This study
pHpa2-c-Myc	pUFR034 expressing Hpa2 with c-Myc tag with *hpa2* promoter, Km^r	This study
pHrpF-c-Myc	pET30a (+) expressing HrpF, c-Myc-tagged, Km^r	This study
pGST-Hpa2	pET41a (+) expressing Hpa2, GST-tagged, Km^r	This study

[a] Ap^r = ampicillin resistance, Km^r = kanamycin resistance, Rif^r = rifampicin resistance, $Gent^r$= Gentamycin resistance

[b] the location of amino acids.

Table S2 Primers used in this study

Primers	Sequence (5'→3'; restriction sites underlined)	Description
hpa2I-F/hpa2I-R	CCCGGGAGTGCAGCAACTGGTGGTCGCAC/ GGATCCCGCAAGTGATCCTGCAGGGATG	The left homologous fragment for *hpa2* knock-out, 421 bp
hpa2II-F/hpa2II-R	GGATCCGTTTCGTTACCTCGATCTCGATTG/ TCTAGATCTGCGCCTGGAGAATCTCTCCGA	The right homologous fragment for *hpa2* knock-out, 692 bp
hrpFI-F/hrpFI-R	TAGGATCCATGTCGCTCAACATGCTTTTCTA/ TAGAGCTCGACCCCTCCAGCGCCGGCGGCGC	The left homologous fragment for *hrpF* knock-out, 751 bp
hrpFII-F/hrpFII-R	TAGAGCTCGACACTGCGATTCAAGGTGGCGA/ TAGCATGCATTGCCAGGATGTCGATGCTCCCG	The right homologous fragment for *hrpF* knock-out, 426 bp
phpa2-F/phpa2-R	TATGAATTCAGAGGGGGAAGTGGAAAAT/ TATAAGCTTGTTTCGTTACCTCGATCTC	*hpa2* promoter region, 216 bp
gusA-F/gusA-R	ATAAAGCTTTTACGTCCTGTAGAAACCC/ TAAGAATTCTCATTGTTTGCCTCCCTGCTG	*gusA* gene, 1831 bp
hpa2-F1/hpa2-R1	ATGGATCCATGATCAATTCAACGGT/ TATGAATTCCTATTCTCCAATCACACCA	*hpa2* gene, 564 bp
hrpF-F1/hrpF-R1	TATCATATGTCGCTCAACATGCTTTCTACC/ AATCATATGTTATCTGCGACGTATCCTGACA	*hrpF* gene, 2406 bp
hpa2-F2/hpa2-R2	ATGGATCCATGATCAATTCAACGGT/ TATCTCGAGCTATTCTCCAATCACACCA	*hpa2* gene, 564 bp
hpa2-F3/hpa2-R3	ATGGATCCATGATCAATTCAACGGT/ TATGGTACCTTCTCCAATCACACCA	*hpa2* gene without the stop codon , 561 bp
hpa2-F4/hpa2-R4	TTACTCGAGATGATCAATTCAACGGTCGCA/ ATAGTCGACTTCTCCAATCACACCACGCCTT	*hpa2* gene without the stop codon, 561 bp
Hpa2-F/Hpa2Myc-R	TTAGAATTCGATAACAGATCCGCGGGGCGT/ TATGGTACCCTAAGCGTAATCTGGAACATCGT ATGGGTATTCACCAATCACACCACG	*hpa2* gene (c-Myc tagged) and its promoter region, 780 bp
hrpF2-F/hrpF-R2	TATTCTAGATCGCTCAACATGCTTTCTACC/ AATGGATCCTCTGCGACGTATCCTGACA	*hrpF* gene without the stop codon, 2406 bp
HrpFMyc-F/HrpFMyc-R	TTACATATGATGTCGCTCAACATGCTTT/ TATGATATCTTACAGATCTTCTTCAGAAATAAG TTTTTGTTCTCTGCGACGTATCCTGAC	*hrpF* gene (c-Myc-tagged), 2439 bp