

### Additional information

**Table S1. List of primers used in this study**

<b>Primer Name</b>	<b>Sequence</b>
MoXYL1A-AF	5' CGACCGAACCAGGATTTGC 3'
MoXYL1A-AR	5' GAAGATGTTTGAACCGCACC 3'
MoXYL1A-BF	5' CGGCGAGTTGATGTTGA 3'
MoXYL1A-BR	5' CAAGGGCATAGAAGCGAAT 3'
MoXYL1A-OF	5' GCAGCTCATGCGGCGACAGT 3'
MoXYL1A-OR	5' CCCTCGGTGGCGACAATC 3'
MoXYL1A-UF	5' CACTTGCGTTAGCCTGAG 3'
MoXYL1A-UR	5' CACAGTTTGCCAGTGATACA 3'
MoXYL1A-COMP-F	5'AACATCAGGCAGCTCGTA 3'
MoXYL1A-COMP-R	5'CGCCGGAGTCTGAACGTTGA 3'
MoXYL1A-qPCR-F	5' ATGGCAACATGACGGGATTC 3'
MoXYL1A-qPCR-R	5' ACTGCCACTGAACGCTGTAG 3'
MoXYL1A-pGDG-F	5' ATGGTCTCCTTCACCTCCATC 3'
MoXYL1A-pGDG-R	5' TCACGCCGGAGTCTGAA 3'
MoXYL1A-Y2H-F	5' ATGGTCTCCTTCACCTCCATC 3'
MoXYL1A-Y2H-R	5' TCACGCCGGAGTCTGAA 3'
MoXYL1B-AF	5' ACGAGGTGATTTACTTTGGG 3'
MoXYL1B-AR	5' TCTGGCTCTATGATGTATGTCTT 3'
MoXYL1B-BF	5' GCGAGATCGACTGTAACAAACC 3'
MoXYL1B-BR	5' ACGGAGGAAAGTGACCTACCATT 3'
MoXYL1B-OF	5' GGGGAGTGCTCGGTATGTTT 3'
MoXYL1B-OR	5' GGCGACGATCTGGTAGTCGT 3'
MoXYL1B-UF	5' TTCAGACAAGACGCAACCC 3'
MoXYL1B-UR	5' GCTCCATACAAGCCAACCAC 3'
MoXYL1B-COMP-F	5'AACATCAGGCAGCTCGTA 3'
MoXYL1B-COMP-R	5'CGCCGGAGTCTGAACGTTGA 3'

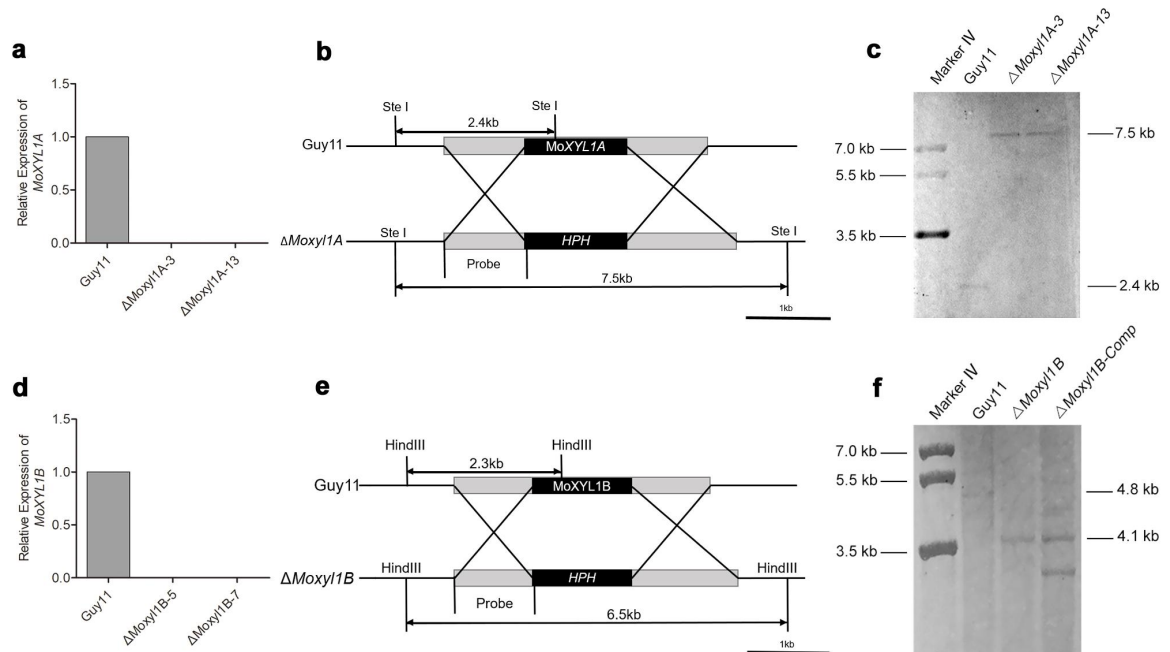
MoXYL1B-qPCR-F	5' ATGGCAACATGACGGGATTC 3'
MoXYL1B-qPCR-R	5' ACTGCCACTGAACGCTGTAG 3'
MoXYL1B-pGDG-F	5' ATGGTCTCCTTCACCAC 3'
MoXYL1B-pGDG-R	5' TCACCGCTGGATGGTGA 3'
MoXYL1B-Y2H-F	5' ATGGTCTCCTTCACCAC 3'
MoXYL1B-Y2H-R	5' TCACCGCTGGATGGTGA 3'
Os-CH-pGDR-F	5' ATGTCGTCGGTGCAGCT 3'
Os-CH-pGDR-R	5' TCAAGATAGGACAGCCATCA 3'
G418-F2	5' CAACAACACGCATCATCCCA 3'
G418-R2	5' TCAGAAGAAGTTCGTCAGAA 3'
rice-actin-F	5' GCGTGGACAAAGTTTTCAACCG 3'
rice-actin-R	5' TCTGGTACCCTCATCAGGCATC 3'
OsPR1a-RT-F	5' GGAAGTACGGCGAGAACATC 3'
OsPR1a-RT-R	5' GGCGAGTAGTTGCAGGTGAT 3'
OsCht1-RT-F	5' CGTGGTGACCAACATCATCA 3'
OsCht1-RT-R	5' GAGTTGAAAGGCCTCTGGTTGT 3'
OsPBZ1-F	5' CTGTGGAAGGTCTGCTTGGA 3'
OsPBZ1-R	5' TCTTGTATACGCTCCCTGCG 3'
OsPAL-F	5' GAGATCAACTCCGTCAAC 3'
OsPAL-R	5' TGTAGAAGTCGTTACCA 3'
OsPR1a-F	5' GTCGGAGAAGCAGTGGTA 3'
OsPR1a-R	5' CGAGTAGTTGCAGGTGATG 3'
OsPR5-F	5' CAGCCAGGACTTCTACGA 3'
OsPR5-R	5' TGTGTCTTGGTGTGTCTTC 3'
OsKSL7-F	5' CCATATCCACAGCCAACA 3'
OsKSL7-R	5' ACTTAGTCCTCTCCTGATGT 3'
OsKSL10-F	5' TAACCCTTGCCTCTGGGATG 3'
OsKSL10-R	5' ATTGTTCCACCGGAATCCCT 3'
OsKOL4-F	5' GTGCACAGCTGACAGATGAC 3'

OsKOL4-R	5' TCGGATCTCTTGGTAGAGTAGC 3'
OsCYP76M8-F	5' ATGGAGAATAGCCAGATGTG 3'
OsCYP76M8-R	5' AAGTGTAGGTTGCCGATG 3'
OsNOMT-F	5' GAAGGTGTGGAGCATATCGG 3'
OsNOMT-R	5' GTGCAGAATCCACTTGAGC 3'

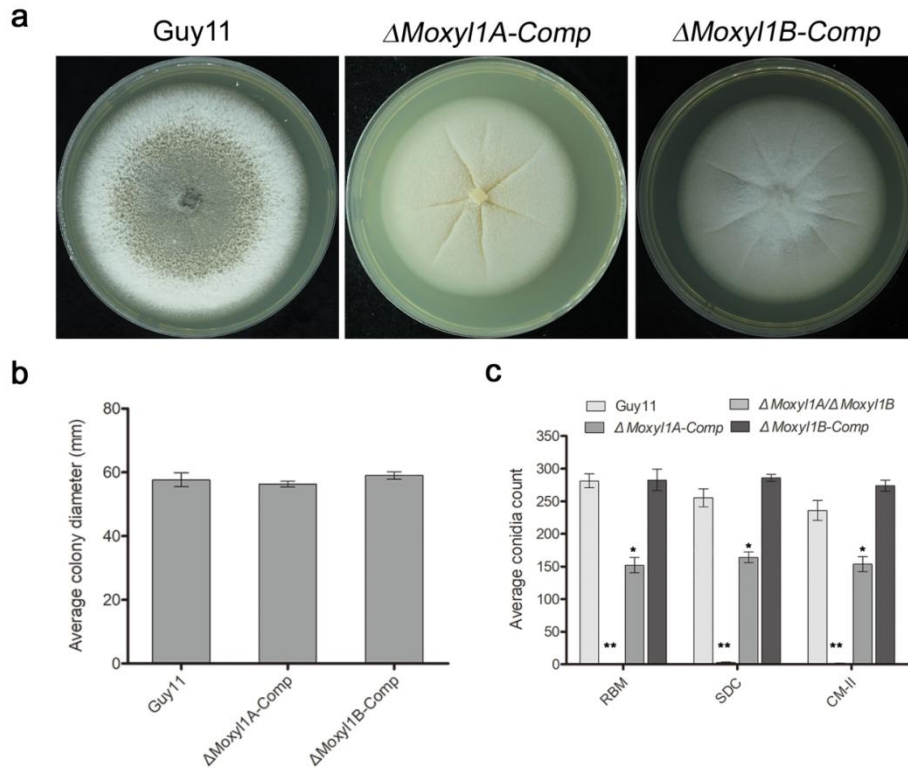
**Table S2. Predicted location of pathogenicity-related protein in rice.**

Pathogenicity-related genes in rice	Abbreviated annotation	Gene accession number ( Gene ID)	Predicted localization
Probenazole-inducible protein	OsPBZ1	Os12g0555200	Extracellular, Mitochondrial, ER, Peroxisomal, Chloroplast
Pathogenesis-related protein 1a	OsPR1a	Os07g0129200-01	Extracellular, and Mitochondrial
Thaumatococcus-like pathogenesis-related protein 3 precursor	OsPR5	Os12g0628600	Vacuolar, and Extracellular
ent kaurene synthase 7	OsKSL7	Os02g0570400	Extracellular, and Vacuolar
kaurene synthase like 10	OsKSL10	Os12g0491800	Cytoplasmic, Mitochondrial, and Chloroplast
Ent-kaurene oxidase 4	OsKOL4	Os06g0569500	Mitochondrial, Peroxisomal, and Chloroplast
Cytochrome P450 family protein	OsCYP76M8	Os02g0569400	Plasma membrane, Mitochondrial, and ER
naringenin 7-O-methyltransferase	OsNOMT	Os12g0240900	Extracellular, Mitochondrial, ER, Peroxisomal, and Chloroplast
Chitinase 1	OsCHT1	Os06g0726200	Extracellular, Vacuolar

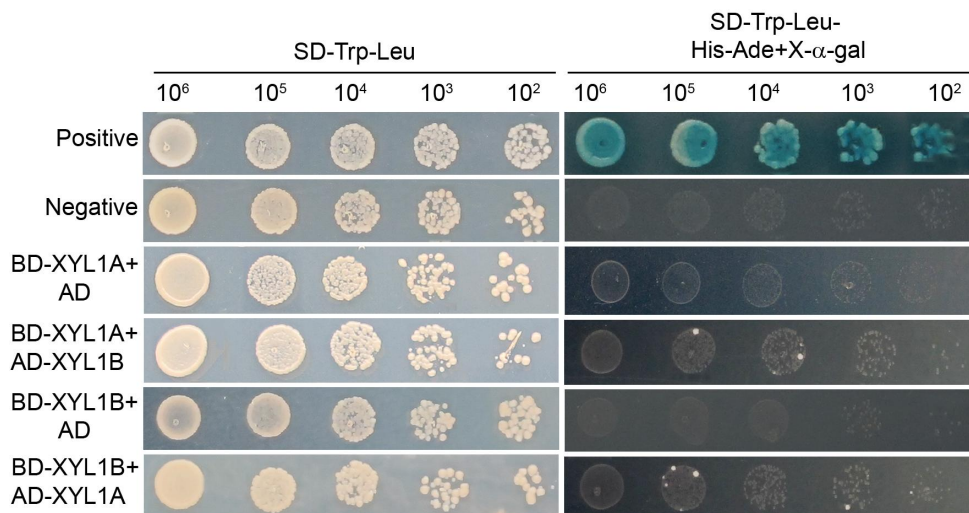
## Additional figures



**Figure S1. Single copy insertions confirmed by Southern Blot and relative expression of *MoXYL1A* gene in Guy11 and the two putative mutant strains was assessed by qRT-PCR. (a) Schematic of probe design for Southern blot for *MoXYL1A* gene. (b) Successful gene replacement of *MoXYL1A* by single insertion of *hph* at the *MoXYL1A* locus by Southern blot analysis. (c) The relative expression of *MoXYL1A* gene in Guy11 and the putative mutant strains was assessed by qRT-PCR. (d) Schematic of probe design for Southern blot for *MoXYL1B* gene (e) Successful gene replacement of *MoXYL1B* by single insertion of *hph* at the *MoXYL1B* locus by Southern blot analysis. (f) The relative expression of *MoXYL1B* gene in Guy11 and the putative mutant strains was assessed by qRT-PCR.**



**Figure S2. Complementation of MoXYL1A and MoXYL1B rescued the defects exhibited by the mutant strains (a)** Photographs showing colony growth diameter (mm) of complemented deletion strains for *MoXYL1A*&*B* compared to WT. (b-c) Quantification of colony growth in (a) Quantification of conidiation in the complemented strains and the double mutant.



**Figure S3. Interaction in Y2H and in-planta expression of putative *M. oryzae* xylanases 1A and B**

(a) Yeast-2-hybrid experiments to assess interaction between the xylanases 1A and B in *M. oryzae* did not show physical interaction between the two proteins.