

Supplementary:

Table S1. A list of primers used in this study.

Name	Sequence 5' to 3'	Purpose
MGG_0520 7 AF	GCCAAAATGAGATACCAGAC	To amplify A fragment for MoPtc1 deletion
MGG_0520 7 AR	AGGGAACAAAAGCTGGGTACCCAGAG ACGGTTGCAGAGACAC	
MGG_0520 7 BF	GAATAGAGTAGATGCCGACCGCGGGT TGAGAAACAGCCCGCATAG	To amplify B fragment for MoPtc1 deletion
MGG_0520 7 BR	TTCAACGACCACGAAAGC	
MGG_0520 7 OF	AAAACCACAGCCACTCCG	To amplify ORF fragment for MoPtc1 deletion
MGG_0520 7 OR	CGCTTGCTTGTCAAATCG	
MGG_0520 7 UA	CGGTCGGTGGCGGTAGTGAT	To amplify UAH fragment for testing MoPtc1 deletion mutants
H853	GACAGACGTCGCGGTGAGTT	
MGG_0135 1 AF	TTGTGATTCTGTCTGGTTC	To amplify A fragment for MoPtc2 deletion
MGG_0135 1 AR	TTGACCTCCACTAGCTCCAGCCAAGCC TTACGGTTGACTCCTGAG	
MGG_0135 1 BF	GAATAGAGTAGATGCCGACCGCGGGT TTCCCCTACACCTTTGACCT	To amplify B fragment for MoPtc2 deletion
MGG_0135 1 BR	GCAATCTGAATCTCGTCCC	
MGG_0135 1 OF	GGTGATGATGATGAGTTCT	To amplify ORF fragment for MoPtc2 deletion
MGG_0135 1 OR	ATCTTTGGTCCCTTTGTC	
MGG_0135 1 UA	CATCTTTCCGAGGTGGCG	To amplify UAH fragment for testing MoPtc2 deletion mutants
H853	GACAGACGTCGCGGTGAGTT	
MGG_0520 7 Com-F	GAACAAAAGCTGGGTGAGAGGAGCG CGTTTT	To amplify Ptc1 complementation fragment

MGG_0520	CTGCAGGCATGCAAGTTGAAGATGTGG	
7 Com-R	CCGGTT	
MGG_0135	GAACAAAAGCTGGGTGTCGCAATACT	
1 Com-F	CGGTCTT	To amplify Ptc2 complementation
MGG_0135	CTGCAGGCATGCAAGGACCTTGATATC	fragment
1 Com-R	CTCGT	
MoPTC1	GTACCAGATTACGCTCATATGATGTTT	
AD-F	GGCGGCTCCTC	For making Ptc1-AD construct of
MoPTC1	ATGCCCACCCGGGTGGAATTCTTATGA	yeast two hybrid
AD-R	AGATGTGGCCGGTT	
MoPTC1	TCAGAGGAGGACCTGCATATGATGTTT	
BD-F	GGCGGCTCCTC	For making Ptc1-BD construct of
MoPTC1	TCGACGGATCCCCGGGAATTCTTATGA	yeast two hybrid
BD-R	AGATGTGGCCGGTT	
MoNBP1	GTACCAGATTACGCTCATATGATGTCT	
AD-F	CGCGCCAATCC	For making Nbp1-AD construct of
MoNBP1	ATGCCCACCCGGGTGGAATTCTTACCG	yeast two hybrid
AD-R	CATAATTTCCTGG	
MoPMK1	TCAGAGGAGGACCTGCATATGATGTCT	
BD-F	CGCGCCAATCC	For making Pmk1-BD construct of
MoPMK1	TCGACGGATCCCCGGGAATTCTTACCG	yeast two hybrid
BD-R	CATAATTTCCTGG	
MoOSM1	GTACCAGATTACGCTCATATGATGGCG	
AD-F	GAATTCGTGCG	For making Osm1-AD construct of
MoOSM1	ATGCCCACCCGGGTGGAATTCTTATTG	yeast two hybrid
AD-R	GCCGGTAAACT	
MoOSM1	TCAGAGGAGGACCTGCATATGATGGC	
BD-F	GGAATTCGTGCG	For making Osm1-BD construct of
MoOSM1	TCGACGGATCCCCGGGAATTCTTATTG	yeast two hybrid
BD-R	GCCGGTAAACT	
	GAATAGAGTAGATGCCGACCGCGGGT	To amplify AH fragment for gene
HG-F	T	deletion
	TTGACCTCCACTAGCTCCAGCCAAGCC	To amplify HB fragment for gene
HG-R		deletion
MGG_0520	GCCAAAATGAGATACCAGAC	To amplify A fragment for double
7 A2F		knocking out

MGG_0520	GGAAATTGTAAGCGTTAATCTAGAGCG	
7 A2R	CGGTTGCAGAGACAC	
MGG_0520	GCATTCTGGGTAAACGACTCATAGGAG	
7 BF	GAGAAACAGCCCGCATAG	To amplify A fragment for double knocking out
MGG_0520	TTCAACGACCACGAAAGC	
7 BR		
MoPTC1	CATCCCTATACGACCGAAACTG	
QF		For quantitative real-time PCR
MoPTC1	CCGCTGGGTCTTCGATATTT	
QR		
MoPTC2	CGACAGAGGACCAGACAAATAA	
QF		For quantitative real-time PCR
MoPTC2	TCACAGCAGCGTCAATGT	
QR		
Tubulin QF	TCGACAGCAATGGAGTTTAC	For quantitative real-time PCR (as a internal reference)
Tubulin QR	AGCACCAGACTGACCGAAGAC	

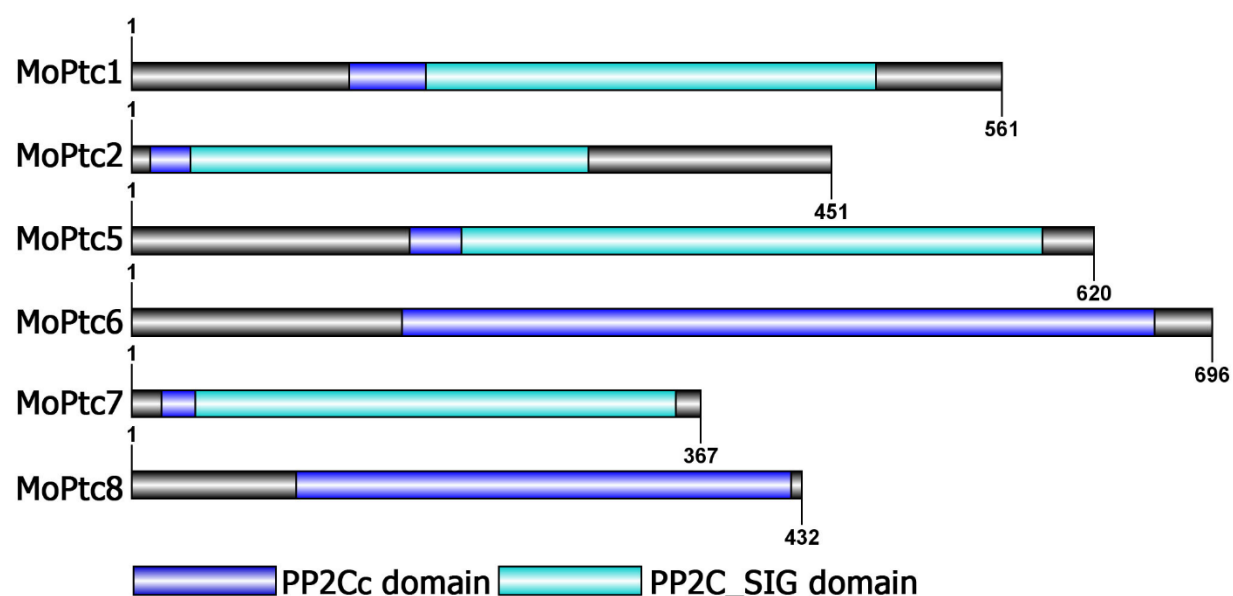


Figure S1. Domain architecture of type 2C protein phosphatases in *Magnaporthe oryzae*.

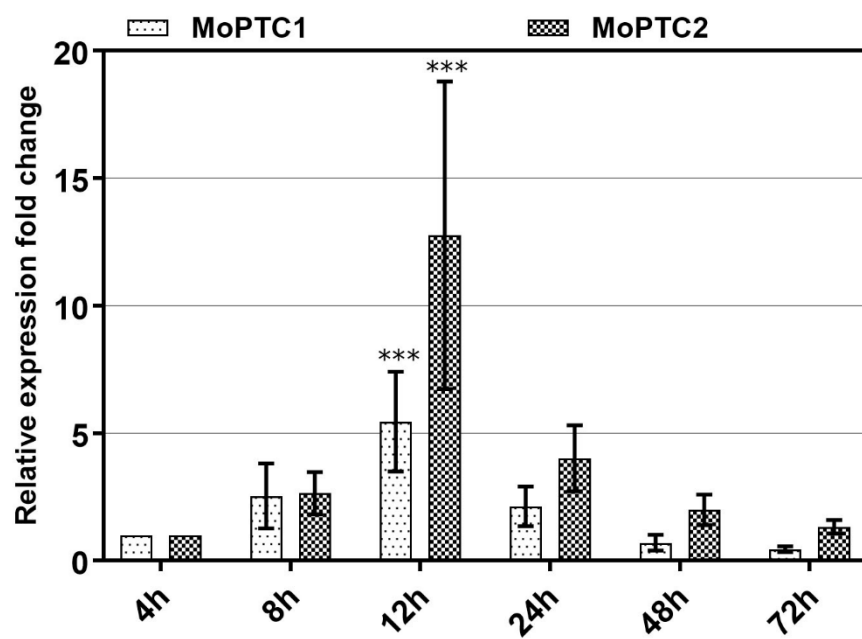


Figure S2. In planta expression pattern of MoPTC1 and MoPTC2, at 4, 8, 12, 24, 48 and 72 h of infection. The triple asterisks denotes adjusted p value of 0.0007.

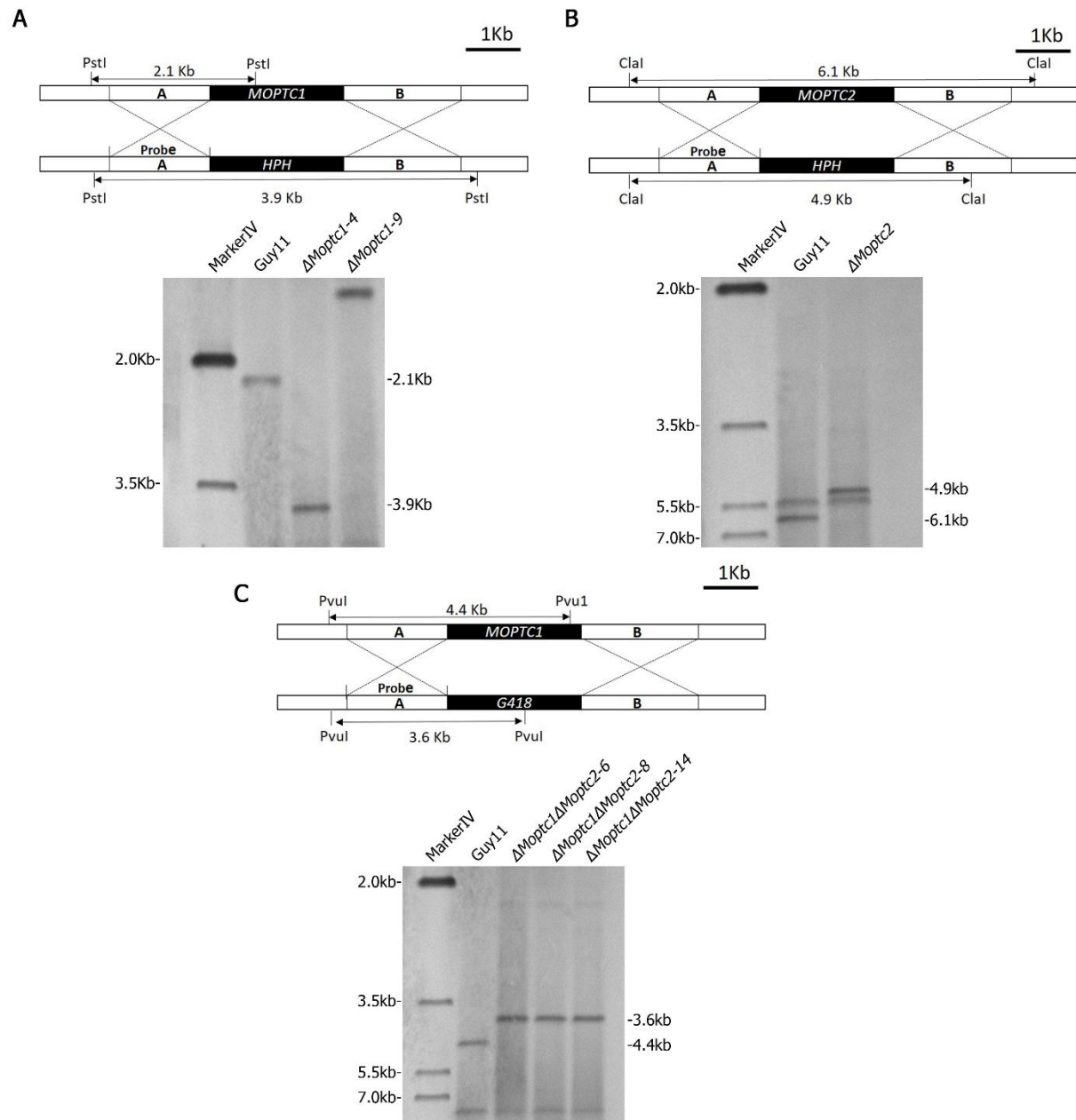


Figure S3. Targeted gene deletion for $\Delta Moptc1$, $\Delta Moptc2$, and $\Delta Moptc1\Delta Moptc2$ in *M. oryzae*.