Supplementary Table 1. Statistical comparison for gene expression in tomato plants inoculated with *Phytophthora infestans,* with/without *Pochonia chlamydosporia,* and uninoculated control, at different times after inoculation*.

Genes & treatments	**Treatments**										
PAL	Con 2 dpi	Con 4dpi	Con 7 dpi	Pc 2 dpi	Pc 4 dpi	Pc 7 dpi	Pi 2 dpi	Pi 4 dpi	Pi 7 dpi	Pi+Pc 2 dpi	Pi + Pc 4 dpi
Con 4 dpi	**4,35E-02**										
Con 7 dpi	8,18E-01	**3,15E-02**									
Pc 2 dpi	**1,13E-05**	**9,49E-09**	**4,29E-07**								
Pc 4 dpi	8,89E-01	**3,57E-02**	9,24E-01	**1,53E-06**							
Pc 7dpi	**2,96E-04**	**2,39E-07**	**1,87E-05**	1,62E-01	**5,58E-05**						
P. inf. 2 dpi	9,44E-01	**2,14E-02**	7,30E-01	**2,73E-06**	8,15E-01	**1,02E-04**					
P. inf. 4 dpi	1,34E-01	6,71E-01	1,32E-01	**1,85E-07**	1,32E-01	**4,06E-06**	8,91E-02				
P. inf. 7 dpi	7,49E-01	**8,83E-02**	8,89E-01	**4,66E-06**	8,32E-01	**1,20E-04**	6,74E-01	2,31E-01			
P. inf. + Pc 2 dpi	6,38E-01	**7,56E-03**	4,12E-01	**8,39E-06**	4,96E-01	**3,23E-04**	6,54E-01	**3,94E-02**	4,14E-01		
P. inf. + Pc 4 dpi	**3,89E-02**	9,45E-01	**2,50E-02**	**3,17E-09**	**2,98E-02**	**9,04E-08**	**1,71E-02**	6,98E-01	8,26E-02	**5,53E-03**	
P. inf+ Pc 7 dpi	7,57E-02	6,62E-01	5,83E-02	**6,92E-09**	6,46E-02	**2,13E-07**	**3,85E-02**	9,50E-01	1,51E-01	**1,32E-02**	6,91E-01
PR1											
Con 4 dpi	2,86E-01										
Con 7 dpi	8,67E-01	1,85E-01									
Pc 2 dpi	5,68E-01	9,90E-02	6,57E-01								
Pc 4 dpi	8,84E-01	2,23E-01	9,91E-01	6,70E-01							
Pc 7dpi	9,56E-01	3,12E-01	8,21E-01	5,32E-01	8,41E-01						
P. inf. 2 dpi	8,05E-01	3,73E-01	6,54E-01	3,93E-01	6,87E-01	8,50E-01					
P. inf. 4 dpi	1,35E-01	5,82E-01	8,02E-02	**4,31E-02**	1,03E-01	1,49E-01	1,74E-01				
P. inf. 7 dpi	**2,82E-02**	**1,31E-03**	**2,88E-02**	9,38E-02	**3,89E-02**	**2,49E-02**	**1,09E-02**	**6,04E-04**			
P. inf. + Pc 2 dpi	1,03E-01	4,81E-01	5,84E-02	**3,14E-02**	7,73E-02	1,14E-01	1,32E-01	8,84E-01	**4,06E-04**		
P. inf. + Pc 4 dpi	4,40E-01	7,45E-01	3,12E-01	1,72E-01	3,55E-01	4,75E-01	5,69E-01	3,97E-01	**2,90E-03**	3,17E-01	
P. inf+ Pc 7 dpi	9,26E-02	4,87E-01	**4,84E-02**	**2,54E-02**	6,79E-02	1,04E-01	1,19E-01	9,25E-01	**2,26E-04**	9,51E-01	3,11E-01
Pin II											
Con 4 dpi	**1,44E-15**										
Con 7 dpi	**1,44E-15**	1,00E+00									
Pc 2 dpi	**6,36E-10**	**2,55E-06**	**2,55E-06**								
Pc 4 dpi	**5,55E-16**	5,19E-01	5,19E-01	**4,88E-07**							
Pc 7dpi	**3,33E-16**	2,79E-01	2,79E-01	**1,59E-07**	6,56E-01						
P. inf. 2 dpi	**3,66E-15**	5,73E-01	5,73E-01	**1,10E-05**	2,31E-01	1,05E-01					
P. inf. 4 dpi	**1,88E-14**	6,29E-01	6,29E-01	**2,57E-05**	2,83E-01	1,42E-01	9,69E-01				
P. inf. 7 dpi	**9,99E-16**	1,97E-01	1,97E-01	**2,45E-07**	4,79E-01	7,66E-01	**7,47E-02**	1,01E-01			
P. inf. + Pc 2 dpi	**1,79E-11**	**1,85E-02**	**1,85E-02**	**1,79E-02**	**5,11E-03**	**2,00E-03**	5,15E-02	5,97E-02	**1,63E-03**		
P. inf. + Pc 4 dpi	**1,10E-14**	8,67E-01	8,67E-01	**1,12E-05**	4,45E-01	2,43E-01	7,23E-01	7,67E-01	1,74E-01	**3,39E-02**	
P. inf+ Pc 7 dpi	**5,55E-16**	5,00E-01	5,00E-01	**4,52E-07**	9,76E-01	6,78E-01	2,20E-01	2,71E-01	4,96E-01	**4,80E-03**	4,29E-01

* LSD test significance levels ($P \leq 0.05$; in bold, shaded). Con = control; Pc = *P. chlamydosporia* DSM 26985; Pi = *P. infestans* CBS 120920; dpi =days post Pc inoculation.

Supplementary Table 2. Statistical comparison for gene expression in *Musa acuminata* plants inoculated with *Fusarium oxysporum* f. sp. *cubense* TR4, with/without *Pochonia chlamydosporia* , and uninoculated control, at 3, 7 and 10 days after inoculation (dpi) *

Genes & treatments	**Treatments**										
PR1	Con 3 dpi	Con 7 dpi	Pc 3 dpi	Pc 7 dpi	TR4 3 dpi	TR4 7 dpi	Pc + TR4 3 dpi	Pc + TR4 7 dpi			
Con 7 dpi	0,888302										
Pc 3 dpi	0,587349	0,685303									
Pc 7 dpi	**0,006744**	**0,008333**	**0,015616**								
TR4 3 dpi	0,587349	0,685303	1,000000	**0,015616**							
TR4 7 dpi	0,128680	0,159928	0,291669	0,089757	0,291669						
Pc+TR4 3 dpi	0,462586	0,548436	0,841805	**0,021399**	0,841805	0,383156					
Pc + TR4 7 dpi	0,248359	0,303319	0,515885	**0,044621**	0,515885	0,665226	0,648501				
PIN	Con 3 dpi	Con 7 dpi	Con 10 dpi	Pc 3 dpi	Pc 7 dpi	Pc 10 dpi	TR4 3 dpi	TR4 7 dpi	TR4 10 dpi	Pc + TR4 3 dpi	Pc + TR4 7 dpi
Con 7 dpi	0,279690										
Con 10 dpi	0,852897	0,375346									
Pc 3 dpi	0,414348	0,843836	0,525343								
Pc 7 dpi	0,292961	0,943278	0,382255	0,806715							
Pc 10 dpi	0,763669	0,377174	0,922063	0,549239	0,389396						
TR4 3 dpi	0,836790	0,196051	0,695981	0,310242	0,212823	0,599793					
TR4 7 dpi	0,292419	0,973536	0,390985	0,867086	0,919699	0,394743	0,205756				
TR4 10 dpi	**0,000367**	**0,000010**	**0,000236**	**0,000053**	**0,000031**	**0,000059**	**0,000600**	**0,000010**			
Pc + TR4 3 dpi	0,414348	0,843836	0,525343	1,000000	0,806715	0,549239	0,310242	0,867086	**0,000053**		
Pc + TR4 7 dpi	0,349841	0,950115	0,450076	0,902275	0,902865	0,464920	0,257925	0,973760	**0,000040**	0,902275	
Pc + TR4 10 dpi	0,455438	0,698168	0,584387	0,880381	0,676168	0,614967	0,334642	0,722720	**0,000021**	0,880381	0,775853
PAL	Con 3 dpi	Con 7 dpi	Pc 3 dpi	Pc 7 dpi	TR4 3 dpi	TR4 7 dpi	Pc + TR4 3 dpi	Pc + TR4 7 dpi			
Con 7 dpi	0,704677										
Pc 3 dpi	0,557108	0,316049									
Pc 7 dpi	0,713220	0,439927	0,823277								
TR4 3 dpi	0,557108	0,316049	1,000000	0,823277							
TR4 7 dpi	0,846491	0,525255	0,650703	0,833662	0,650703						
Pc + TR4 3 dpi	0,557108	0,316049	1,000000	0,823277	1,000000	0,650703					
Pc + TR4 7 dpi	0,148624	0,214827	0,054934	0,080643	0,054934	0,084759	0,054934				

* LSD test significance levels ($P \leq 0.05$; in bold, shaded). Con = control; Pc = *P. chlamydosporia* DSM 26985; TR4 Fusarium oxysporum f. sp. cubense CBS 120920; dpi =days post Pc inoculation.

Supplementary Table 3. Statistical comparison for gene expression in *Musa acuminata* plants inoculated with the root-knot nematode *Meloidogyne incognita* (RKN), with/without *P. chlamydosporia* , and uninoculated control at 4, 7 and 10 days after inoculation (dpi)*

Genes & treatments	**Treatments**										
PR1	Con 4 dpi	Con 7 dpi	Con 10 dpi	Pc 4g	Pc 7g	Pc 10g	Pc+RKN 4g	Pc+RKN 7 dpi	Pc+RKN 10 dpi	RKN 4 dpi	RKN 7 dpi
Con 7 dpi	**0,005925**										
Con 10 dpi	**0,001639**	0,563545									
Pc 4 dpi	**0,005925**	**0,000038**	**0,000014**								
Pc 7 dpi	1,000000	**0,010379**	**0,003203**	**0,010379**							
Pc 10 dpi	**0,001639**	0,563545	1,000000	**0,000014**	**0,003203**						
Pc+RKN 4 dpi	**0,021294**	0,563545	0,256427	**0,000107**	**0,032915**	0,256427					
Pc+RKN 7 dpi	0,072243	0,256427	0,097664	**0,000321**	0,097664	0,097664	0,563545				
Pc+RKN 10 dpi	0,169327	0,072243	**0,021294**	**0,000466**	0,215885	**0,021294**	0,215885	0,527424			
RKN 4 dpi	0,072243	0,256427	0,097664	**0,000321**	0,097664	0,097664	0,563545	1,000000	0,527424		
RKN 7 dpi	**0,000138**	0,097664	0,256427	**0,000002**	**0,000321**	0,256427	**0,032915**	**0,010379**	**0,001639**	**0,010379**	
RKN 10 dpi	**0,000138**	0,097664	0,256427	**0,000002**	**0,000321**	0,256427	**0,032915**	**0,010379**	**0,001639**	**0,010379**	1,000000
PIN											
Con 7 dpi	0,736424										
Con 10 dpi	0,736424	0,454708									
Pc 4 dpi	0,645363	0,404226	0,866181								
Pc 7 dpi	0,172069	0,242315	0,064555	0,069297							
Pc 10 dpi	0,645363	0,404226	0,866181	1,000000	0,069297						
Pc+RKN 4 dpi	0,654011	0,900029	0,384529	0,345911	0,293551	0,345911					
Pc+RKN 7 dpi	0,817581	0,932832	0,557215	0,491704	0,258517	0,491704	0,844167				
Pc+RKN 10 dpi	**0,015813**	**0,018144**	**0,003565**	**0,005322**	0,178714	**0,005322**	**0,023588**	**0,026812**			
RKN 4 dpi	0,156205	0,216675	0,065672	0,067588	0,844167	0,067588	0,258517	0,228452	0,306193		
RKN 7 dpi	0,877736	0,866181	0,614389	0,540466	0,226605	0,540466	0,778987	0,938671	**0,022521**	0,201903	
RKN 10 dpi	0,645363	0,404226	0,866181	1,000000	0,069297	1,000000	0,345911	0,491704	**0,005322**	0,067588	0,540466
PAL											
Con 7 dpi	0,492191										
Con 10 dpi	0,525558	0,952489									
Pc 4 dpi	0,770707	0,709809	0,749599								
Pc 7 dpi	0,884003	0,399995	0,429379	0,662599							
Pc 10 dpi	1,000000	0,492191	0,525558	0,770707	0,884003						
Pc+RKN 4 dpi	0,770707	0,709809	0,749599	1,000000	0,662599	0,770707					
Pc+RKN 7 dpi	0,514616	0,978741	0,936291	0,715862	0,427506	0,514616	0,715862				
Pc+RKN 10 dpi	1,000000	0,492191	0,525558	0,770707	0,884003	1,000000	0,770707	0,514616			
RKN 4 dpi	**0,049111**	0,120212	0,109515	0,084435	**0,037138**	**0,049111**	0,084435	0,159499	**0,049111**		
RKN 7 dpi	0,254351	0,560173	0,525558	0,387735	0,202471	0,254351	0,387735	0,611166	0,254351	0,350545	
RKN 10 dpi	0,941830	0,542713	0,577931	0,826855	0,826855	0,941830	0,826855	0,561778	0,941830	0,056365	0,283892

* LSD test significance levels ($P \leq 0.05$; in bold, shaded). Con = control; Pc = *P. chlamydosporia* DSM 26985; RKN = *M. incognita* ; dpi =days post Pc inoculation.

Supplementary Table 4. Statistical comparison for gene expression in *Musa acuminata* plants inoculated with the nematode *Pratylenchus goodeyi* with/without *P. chlamydosporia,* and uninoculated control at 21 days after inoculation*.

Genes & treatments		Treatments		
PAL		Con	N	Pc
	N	0,788517		
	Pc	0,924908	0,717656	
	Pc+N	**0,030700**	**0,020004**	**0,035715**
PIN				
	N	**0,036766**		
	Pc	0,598331	0,082786	
	Pc+N	**0,011891**	0,320495	**0,023707**
PR1				
	N	0,887528		
	Pc	**0,000259**	**0,000112**	
	Pc+N	0,257715	0,264304	**0,000044**
LOX				
	N	0,065513		
	Pc	**0,000164**	**0,000363**	
	Pc+N	0,261746	**0,018726**	**0,000115**

* LSD test significance levels ($P \leq 0.05$; in bold, shaded).

Con = uninoculated control; Pc = *P. chlamydosporia* DSM 26985; N = *P. goodeyi* .