

Assessment of the *ptxD* gene as a growth and selective marker in *Trichoderma atroviride* using *Pccg6*, a novel constitutive promoter

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Table S1. Colony area (cm²) of *Rhizoctonia solani* AG5 (*RsAG5*) and *Trichoderma* during the confrontation experiments.

Strain		Area	
		<i>Trichoderma</i>	<i>RsAG5</i>
<i>Confrontation (vs RsAG5)</i>			
TaWT		37.27 ± 0.97	19.74 ± 0.70
<i>ccg6</i> _{OPT-}	3	36.66 ± 0.94	21.21 ± 0.59
	5	37.89 ± 0.66	20.50 ± 0.60
	6	37.65 ± 0.89	20.03 ± 0.40
<i>pki1</i> _{OPT-}	2	36.26 ± 0.64	21.10 ± 0.40
	5	37.06 ± 0.43	20.25 ± 0.52
	6	37.11 ± 0.54	19.68 ± 0.39
	8	38.29 ± 0.47	20.50 ± 0.26
<i>Control</i>			
<i>RsAG5</i>		50.38 ± 0.96*****	
TaWT		58.14 ± 0.39*****	

T. atroviride IMI 206040 (TaWT) was used as positive control for confrontation tests.

The values are indicated as the mean value ± SE (n=3).

RsAG5 and TaWT were cultured in standard conditions as control to verify the viability of the inoculum.

*****significant at $p < 0.00001$; ANOVA-Tukey HSD.

Table S2. Colony area (cm²) of *Rhizoctonia solani* AG5 (*RsAG5*) and *Trichoderma* after the antibiosis test.

Strain		Area
TaWT		0.251 ± 0.009
<i>ccg6</i> _{OPT-}	3	0.238 ± 0.003
	4	0.243 ± 0.007
	5	0.276 ± 0.023
	6	0.280 ± 0.041
<i>pki1</i> _{OPT-}	2	0.269 ± 0.018
	4	0.232 ± 0.001
	5	0.286 ± 0.017
	6	0.231 ± 0.015
<i>Control</i>		
<i>RsAG5</i>		8.589 ± 0.215

T. atroviride IMI 206040 (TaWT) was used as positive control for confrontation tests. The values are indicated as the mean value ± SE (n=3, $p < 0.05$).

RsAG5 was cultured in standard conditions as control to verify the viability of the inoculum.

Colony area included the spot where the inoculum was placed.