

Additional file 7 Statistical analysis of quantification of mycorrhization helper bacterium *Streptomyces* sp. AcH 505 and the mycorrhizal fungus *Piloderma croceum* in soil microcosms. p-values determined by Tukey HSD test for statistical analyses of quantification results (n.s. = not significant)

Primer	Treatment	p-value
AcH107 without plant	AcH505 - AcH505 + Filtrat	n.s.
	AcH505 - AcH505 + <i>P.croceum</i>	p < 0.001
	AcH505 - AcH505 + Filtrat + <i>P.croceum</i>	p < 0.001
	AcH505 + Filtrat - AcH505 + <i>P.croceum</i>	p < 0.001
	AcH505 + Filtrat - AcH505 + Filtrat + <i>P.croceum</i>	p < 0.001
	AcH505 + <i>P.croceum</i> - AcH505 + Filtrat + <i>P.croceum</i>	p < 0.05
AcH107 with plant rhizosphere	AcH505 - AcH505 + Filtrat	n.s.
	AcH505 - AcH505 + <i>P.croceum</i>	n.s.
	AcH505 - AcH505 + Filtrat + <i>P.croceum</i>	p < 0.001
	AcH505 + Filtrat - AcH505 + <i>P.croceum</i>	p < 0.01
	AcH505 + Filtrat - AcH505 + Filtrat + <i>P.croceum</i>	p < 0.001
	AcH505 + <i>P.croceum</i> - AcH505 + Filtrat + <i>P.croceum</i>	p < 0.01
AcH107 with plant - bulk soil	AcH505 - AcH505 + Filtrat	p < 0.01
	AcH505 - AcH505 + <i>P.croceum</i>	p < 0.001
	AcH505 - AcH505 + Filtrat + <i>P.croceum</i>	p < 0.001
	AcH505 + Filtrat - AcH505 + <i>P.croceum</i>	p < 0.001
	AcH505 + Filtrat - AcH505 + Filtrat + <i>P.croceum</i>	p < 0.001
	AcH505 + <i>P.croceum</i> - AcH505 + Filtrat + <i>P.croceum</i>	n.s.
PiloITS without plant	<i>P.croceum</i> - <i>P.croceum</i> + Filtrat	p < 0.05
	<i>P.croceum</i> - <i>P.croceum</i> + AcH505	n.s.
	<i>P.croceum</i> - <i>P.croceum</i> + Filtrat + AcH505	n.s.
	<i>P.croceum</i> + Filtrat - <i>P.croceum</i> + AcH505	p < 0.01
	<i>P.croceum</i> + Filtrat - <i>P.croceum</i> + Filtrat + AcH505	n.s.
	<i>P.croceum</i> + AcH505 - <i>P.croceum</i> + Filtrat + AcH505	n.s.
PiloITS with plant - rhizosphere	<i>P.croceum</i> - <i>P.croceum</i> + Filtrat	p < 0.001
	<i>P.croceum</i> - <i>P.croceum</i> + AcH505	n.s.
	<i>P.croceum</i> - <i>P.croceum</i> + Filtrat + AcH505	p < 0.001
	<i>P.croceum</i> + Filtrat - <i>P.croceum</i> + AcH505	p < 0.001
	<i>P.croceum</i> + Filtrat - <i>P.croceum</i> + Filtrat + AcH505	p < 0.001
	<i>P.croceum</i> + AcH505 - <i>P.croceum</i> + Filtrat + AcH505	p < 0.001
PiloITS with plant - bulk soil	<i>P.croceum</i> - <i>P.croceum</i> + Filtrat	p < 0.01
	<i>P.croceum</i> - <i>P.croceum</i> + AcH505	n.s.
	<i>P.croceum</i> - <i>P.croceum</i> + Filtrat + AcH505	p < 0.001
	<i>P.croceum</i> + Filtrat - <i>P.croceum</i> + AcH505	p < 0.05
	<i>P.croceum</i> + Filtrat - <i>P.croceum</i> + Filtrat + AcH505	n.s.
	<i>P.croceum</i> + AcH505 - <i>P.croceum</i> + Filtrat + AcH505	p < 0.01
Pilo127 without plant	<i>P.croceum</i> - <i>P.croceum</i> + Filtrat	p < 0.05

	<i>P.croceum</i> - <i>P.croceum</i> + AcH505	n.s.
	<i>P.croceum</i> - <i>P.croceum</i> + Filtrat + AcH505	n.s.
	<i>P.croceum</i> + Filtrat - <i>P.croceum</i> + AcH505	n.s.
	<i>P.croceum</i> + Filtrat - <i>P.croceum</i> + Filtrat + AcH505	n.s.
	<i>P.croceum</i> + AcH505 - <i>P.croceum</i> + Filtrat + AcH505	n.s.
Pilo127 with plant - rhizosphere	<i>P.croceum</i> - <i>P.croceum</i> + Filtrat	p < 0.001
	<i>P.croceum</i> - <i>P.croceum</i> + AcH505	n.s.
	<i>P.croceum</i> - <i>P.croceum</i> + Filtrat + AcH505	p < 0.001
	<i>P.croceum</i> + Filtrat - <i>P.croceum</i> + AcH505	p < 0.001
	<i>P.croceum</i> + Filtrat - <i>P.croceum</i> + Filtrat + AcH505	p < 0.01
	<i>P.croceum</i> + AcH505 - <i>P.croceum</i> + Filtrat + AcH505	p < 0.001
Pilo127 with plant - bulk soil	<i>P.croceum</i> - <i>P.croceum</i> + Filtrat	p < 0.05
	<i>P.croceum</i> - <i>P.croceum</i> + AcH505	n.s.
	<i>P.croceum</i> - <i>P.croceum</i> + Filtrat + AcH505	n.s.
	<i>P.croceum</i> + Filtrat - <i>P.croceum</i> + AcH505	n.s.
	<i>P.croceum</i> + Filtrat - <i>P.croceum</i> + Filtrat + AcH505	n.s.
	<i>P.croceum</i> + AcH505 - <i>P.croceum</i> + Filtrat + AcH505	n.s.