

Supplementary Table S1 Means \pm SE of data shown in Figures 1-3. -M and +M represent non-inoculation and inoculation with *Rhizobius irregularis*, respectively. -F and +F represent non-inoculation and inoculation with *Fusarium oxysporum* f. sp. *Lycopersici*, respectively.

Genotypes	Inoculation	Disease index	Shoot dry weight (mg pot ⁻¹)	Root dry weight (mg pot ⁻¹)	Net photosynthetic rate ($\mu\text{mol CO}_2 \text{m}^{-2}\text{s}^{-1}$)	Transpiration rate ($\mu\text{mol H}_2\text{O m}^{-2}\text{s}^{-1}$)
CM	-M-F	0.00 \pm 0.00	272.13 \pm 8.67	115.27 \pm 2.44	7.55 \pm 0.29	2.108 \pm 0.154
	+M-F	0.00 \pm 0.00	273.58 \pm 5.05	131.33 \pm 6.98	8.05 \pm 0.39	2.308 \pm 0.154
	-M+F	41.67 \pm 4.81	166.40 \pm 7.64	93.50 \pm 2.79	1.68 \pm 0.14	0.833 \pm 0.039
	+M+F	30.56 \pm 2.78	205.40 \pm 8.94	85.51 \pm 6.55	3.00 \pm 0.20	1.304 \pm 0.137
<i>Spr8</i>	-M-F	0.00 \pm 0.00	403.58 \pm 4.49	151.20 \pm 7.04	7.70 \pm 0.35	2.254 \pm 0.125
	+M-F	0.00 \pm 0.00	423.22 \pm 8.65	149.49 \pm 5.05	7.80 \pm 0.43	2.493 \pm 0.124
	-M+F	50.00 \pm 4.81	220.42 \pm 11.88	122.00 \pm 4.76	1.62 \pm 0.20	0.945 \pm 0.078
	+M+F	47.22 \pm 2.78	228.66 \pm 11.25	131.17 \pm 9.10	1.71 \pm 0.19	0.813 \pm 0.114

Supplementary Table S2 Means \pm SE of data shown in Figures 4-6. -M and +M represent non-inoculation and inoculation with *Rhizophagus irregularis*, respectively. -F and +F represent non-inoculation and inoculation with *Fusarium oxysporum* f. sp. *Lycopersici*, respectively.

Genotypes	Inoculation	Shoot P concentration (mg g ⁻¹ DW)	Root P concentration (mg g ⁻¹ DW)	AOC relative expression	LOXD relative expression	PPO activity (U g ⁻¹ FW)	PAL activity (U g ⁻¹ FW)
CM	-M-F	0.85 \pm 0.08	0.37 \pm 0.03	1.36 \pm 0.25	1.36 \pm 0.27	26.33 \pm 2.95	6.02 \pm 0.47
	+M-F	1.07 \pm 0.03	0.95 \pm 0.05	2.31 \pm 0.23	2.57 \pm 0.69	31.76 \pm 3.07	8.80 \pm 0.16
	-M+F	0.80 \pm 0.03	0.25 \pm 0.02	1.99 \pm 0.24	3.47 \pm 0.72	59.14 \pm 3.68	13.15 \pm 1.22
	+M+F	0.94 \pm 0.09	0.87 \pm 0.02	3.51 \pm 0.51	6.25 \pm 0.35	78.22 \pm 2.20	20.97 \pm 2.01
<i>Spr8</i>	-M-F	0.59 \pm 0.04	0.45 \pm 0.02	1.06 \pm 0.22	1.22 \pm 0.44	47.58 \pm 6.89	11.34 \pm 0.80
	+M-F	0.64 \pm 0.08	0.44 \pm 0.03	1.14 \pm 0.09	1.06 \pm 0.24	45.27 \pm 8.24	8.99 \pm 0.22
	-M+F	0.46 \pm 0.07	0.25 \pm 0.02	1.05 \pm 0.23	1.16 \pm 0.35	82.38 \pm 11.14	18.85 \pm 1.59
	+M+F	0.59 \pm 0.01	0.31 \pm 0.03	1.17 \pm 0.13	0.96 \pm 0.17	85.79 \pm 7.15	19.94 \pm 1.82