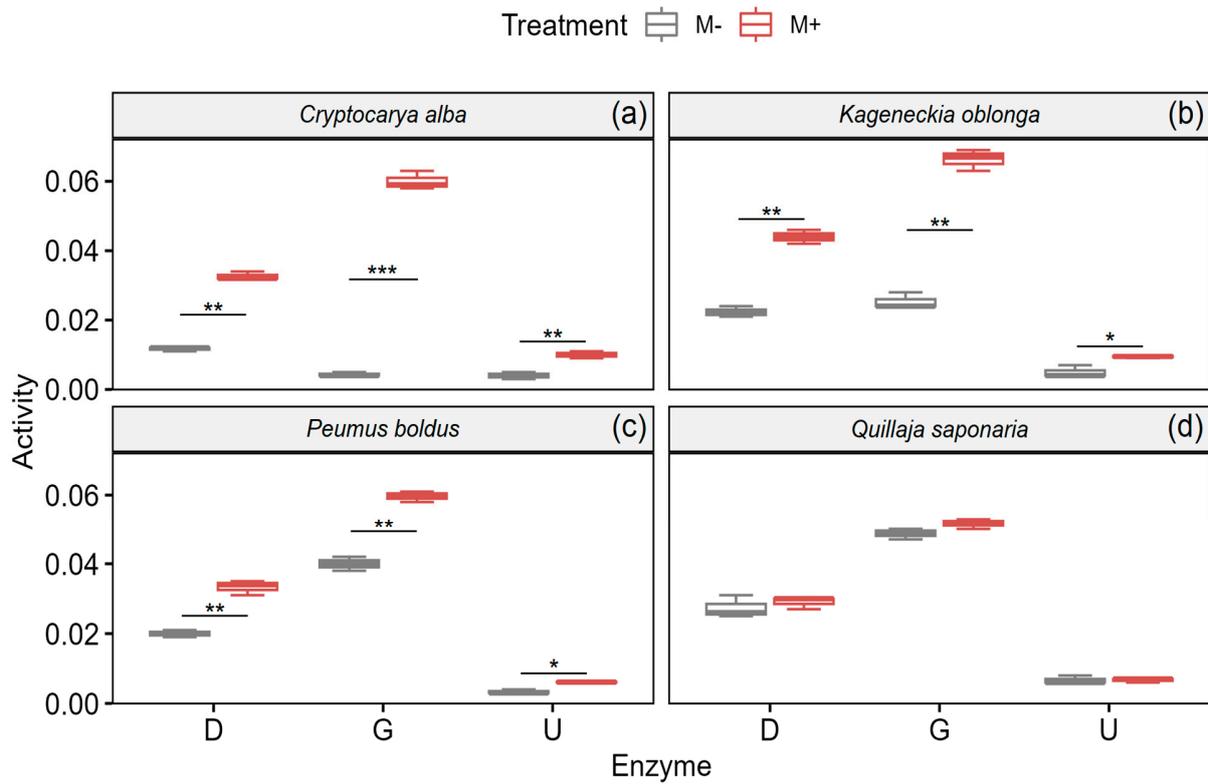


Table S1. a) Frequency of occurrence (%) of mycorrhizal structures and fungal endophytes present in four trees of the Chilean matorral in both inoculated (M+) and non-inoculated (M-) treatment. b) Results of Randomization test (Rand. Test) comparing the frequency of occurrence of mycorrhizal structures and fungal endophytes present in four trees of the Chilean matorral. For each tree species were selected five individuals and five different roots from each of these individuals (total n = 25 samples).

a)	M+		M-	
	Mycorrhizal	Endophytes	Mycorrhizal	Endophytes
<i>Cryptocaria alba</i>	88 ±10.9	24 ±8.9	4 ±8.9	4 ±10.9
<i>Kageneckia oblonga</i>	84 ±8.9	20 ±19.7	4 ±8.9	8 ±11.0
<i>Peumus boldus</i>	88 ±10.9	44 ±16.7	0 ±0.0	12 ±10.9
<i>Quillaja saponaria</i>	92 ±10.9	24 ±8.9	4 ±10.9	4 ±10.9

b)	Mycorrhizal			Endophytes		
	M+	M-	Rand. test	M+	M-	Rand. test
<i>Cryptocaria alba</i>	22	1	$p < 0.0001$	6	1	$p = 0.095$
<i>Kageneckia oblonga</i>	21	1	$p < 0.0001$	5	2	$p = 0.398$
<i>Peumus boldus</i>	22	0	$p < 0.0001$	11	3	$p = 0.041$
<i>Quillaja saponaria</i>	23	1	$p < 0.0001$	6	1	$p = 0.095$

Supplementary Figure S1. Enzymatic activity for dehydrogenase (D), β -glucosidase (G) and urease (U) in four dominant woody plant species from Chilean Mediterranean Ecosystem (MTE) after a fire, measured after 24 months. M+ = plant inoculated with arbuscular mycorrhizal fungi. M- = uninoculated plants. Significant differences (pairwise t-test; Bonferroni correction) between treatments are represented with * p <0.05; ** p <0.01; *** p <0.001



Supplementary Figure S2. Soil macronutrients (nitrogen, phosphorus and potassium) in four dominant woody plant species from Chilean Mediterranean Ecosystem (MTE) after a fire, measured after 24 months. M+ = plant inoculated with arbuscular mycorrhizal fungi. M- = uninoculated plants. Significant differences (pairwise t-test; Bonferroni correction) between treatments are represented with * $p < 0.05$; ** $p < 0.01$; *** $p < 0.001$

