



Figure S1. Scheme of vineyard traditional cultivation technique known as “married vine” according to which a fruit or woody plant (maple) acted as support for one or two vine on the planted row.

Table S1. Means \pm standard error of specific soil enzymatic activities: β glucosidase (β glu, $\text{mg}_{\text{NP}} \text{mg}_{\text{MBC}}^{-1} \text{h}^{-1}$), Urease (Ure, $\text{mg}_{\text{N-NH}_4^+} \text{mg}_{\text{MBC}}^{-1} \text{h}^{-1}$), Alkaline phosphomonoesterase (Alk PME, $\text{mg}_{\text{NP}} \text{mg}_{\text{MBC}}^{-1} \text{h}^{-1}$), Acid phosphomonoesterase (Ac PME, $\text{mg}_{\text{NP}} \text{mg}_{\text{MBC}}^{-1} \text{h}^{-1}$), Protease (Prot, $\text{mg}_{\text{tyr}} \text{mg}_{\text{MBC}}^{-1} \text{h}^{-1}$), Dehydrogenase (Dehy, $\text{mg}_{\text{INT}} \text{mg}_{\text{MBC}}^{-1} \text{h}^{-1}$), Catechol oxidase (Cat, $\text{mmol}_{\text{catechol}} \text{mg}_{\text{MBC}}^{-1} \text{h}^{-1}$), and Laccase (Lac, $\text{mmol}_{\text{ABTS}} \text{mg}_{\text{MBC}}^{-1} \text{min}^{-1}$). Asterisks indicate significant pairwise t.test comparisons (* $P < 0.05$, ** $P < 0.01$, *** $P < 0.001$) between the theses considered: NRT= Natural Recolonization by Trees, NRG = Natural Recolonization by Grass, VGA= Vineyard Grassed Alleys.

	Means \pm SE			Pairwise comparison		
	NRT	NRG	VGA	NRT vs NRG	NRT vs VGA	NRG vs VGA
β glu _{MBC}	0.66 \pm 0.03	1.24 \pm 0.27	1.08 \pm 0.06	ns	ns	ns
Ure _{MBC}	0.117 \pm 0.010	0.251 \pm 0.065	0.279 \pm 0.011	ns	ns	ns
Alk PME _{MBC}	2.26 \pm 0.23	5.02 \pm 1.30	4.49 \pm 0.29	ns	ns	ns
Ac PME _{MBC}	0.95 \pm 0.03	1.61 \pm 0.46	1.17 \pm 0.07	ns	ns	ns
Prot _{MBC}	1.59 \pm 0.22	1.85 \pm 0.55	1.53 \pm 0.08	ns	ns	ns
Dehy _{MBC}	0.69 \pm 0.03	1.18 \pm 0.39	0.68 \pm 0.06	ns	ns	ns
Cat _{MBC}	0.212 \pm 0.009	0.483 \pm 0.065	0.713 \pm 0.098	ns	**	ns
Lac _{MBC}	0.231 \pm 0.017	0.510 \pm 0.070	0.759 \pm 0.082	ns	**	ns