

Supplementary Materials

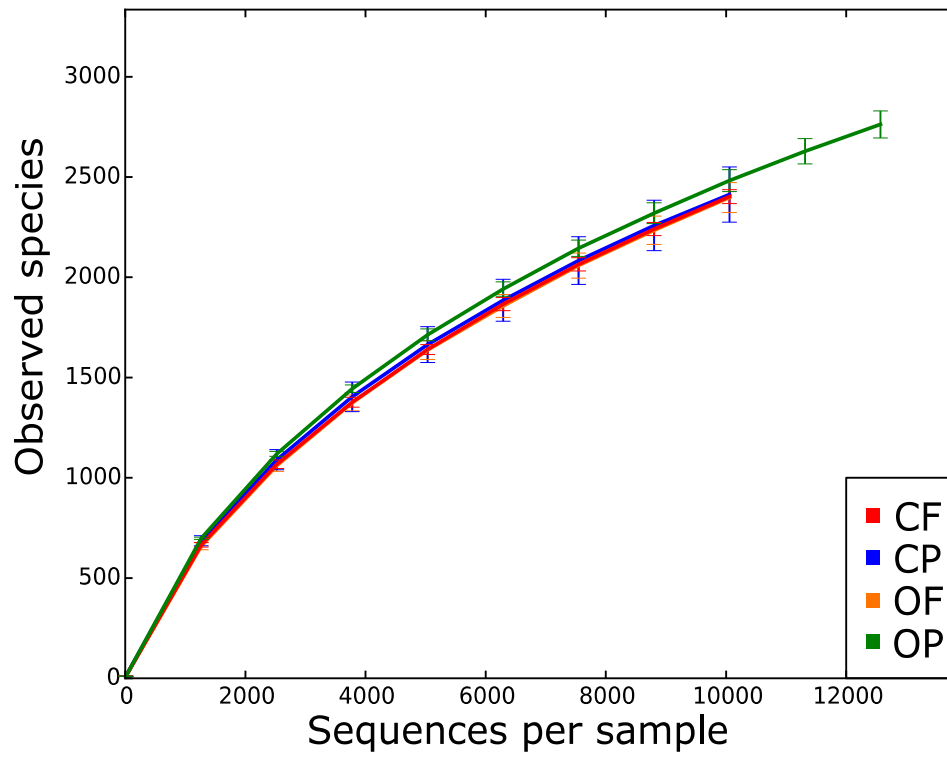


Figure S1. Rarefaction curves of microbial communities based on observed species at 97% identify threshold.

Table S1. Effects of agricultural management and cultivation type on soil variables and microbial community.

	Management		Cultivation type	
	F	<i>P</i>	F	<i>P</i>
Soil properties	5.152	0.025	21.69	0.001
Microbial community	6.015	0.001	3.934	0.002

Table S2. Significant level of soil variables in explaining the microbial community based on RDA analysis.

Parameter	r^2	P
pH	0.488	0.005**
EC	0.794	0.001***
Available N	0.839	0.001***
Available P	0.837	0.001***
Ctot	0.781	0.001***
Ntot	0.799	0.001***
Ktot	0.298	0.065
C/N ratio	0.244	0.112
CEC	0.630	0.001***
NO ₃ ⁻ -N	0.432	0.008**
NH ₄ ⁺ -N	0.257	0.082
Cutot	0.110	0.367
Zntot	0.329	0.043*

EC: electrical conductivity; CEC: cation exchangeable capacity