Table S1. Kaiser-Meyer-Olkin (KMO) and Bartlett's test.

KMO Measure of Sampling Adequacy		0.836
Bartlett's Test of Sphericity	Approx. Chi-Square	1033.097
	df	91
	Sig.	0.000

Table S2. Correlation between different indicators of soil

	pH	EC	SOC	MN	AP	AK	BD	PD	TP	MC	Sand	Silt	Clay
pH	1												
EC	-0.609**	1											
SOC	-0.769**	0.776**	1										
MN	-0.788**	0.815**	0.923**	1									
AP	-0.653**	0.788**	0.890**	0.911**	1								
AK	-0.769**	0.786**	0.927**	0.968**	0.954**	1							
BD	0.793**	-0.745**	-0.938**	-0.964**	-0.902**	-0.954**	1						
PD	0.674**	-0.694**	-0.909**	-0.885**	-0.848**	-0.854**	0.923**	1					
TP	-0.814**	0.735**	0.909**	0.949**	0.877**	0.951**	-0.897**	-0.828**	1				
MC	-0.641**	0.727**	0.895**	0.862**	0.849**	0.891**	-0.828**	-0.781**	0.824**	1			
Sand	0.651**	-0.795**	-0.916**	-0.901**	-0.960**	-0.949**	0.892**	0.818**	-0.884**	-0.896**	1		
Silt	-0.734**	0.765**	0.913**	0.918**	0.939**	0.936**	-0.932**	-0.877**	0.906**	0.814**	-0.944**	1	
Clay	-0.489**	0.733**	0.812**	0.778**	0.870**	0.851**	-0.746**	-0.663**	0.758**	0.877**	-0.941**	0.776**	1

**Correlation is significant at the 0.01 level (2-tailed).