

Table S1 The correlations between soil physicochemical properties

	Moisture	C _{total}	N _{total}	P _{total}	K _{total}	N _{hy.}	P _{avail.}	K _{avail.}	C/N	OM
pH	0.718**	-0.735**	-0.726**	-0.073	0.700*	-0.778**	0.892**	0.813**	-0.055	-0.775**
Moisture	1	-0.315	-0.351	-0.103	0.480	-0.321	0.752**	0.668*	0.270	-0.346
C _{total}		1	0.985**	-0.137	-0.706*	0.955**	-0.516	-0.669*	0.264	0.975**
N _{total}			1	-0.144	-0.680*	0.966**	-0.546	-0.618*	0.106	0.984**
P _{total}				1	0.055	-0.090	-0.137	-0.294	0.113	-0.077
K _{total}					1	-0.682*	0.532	0.671*	-0.278	-0.688*
N _{hy.}						1	-0.623*	-0.659*	0.099	0.995**
P _{avail.}							1	0.634*	0.225	-0.607*
K _{avail.}								1	-0.350	-0.675*
C/N									1	0.120

*, Correlation is significant at the 0.05 level (2-tailed); **, Correlation is significant at the 0.01 level (2-tailed).