
Supplementary Materials:**Table S1.** Descriptive statistics of characterizations information of soil samples. Unit: g/kg

Character izations	Mini mum	Maxi mum	Me an	Standard deviation	Me dian	CV
N1	7.68	3367	58. 27	226.72	39.5 4	389. 06%
N2	4.5	551	88. 46	65.98	72.7 6	74.5 9%
K	58.9	1206	390 .37	204.55	363. 5	52.4 0%
P	4.37	665.4	89. 01	94.2	58.8 2	105. 83%
Organic carbon	5.51	18.72	13. 91	86.94	6.47	95.2 4%

Table S2. Information on particle size composition of soil samples

	clay(<2μm)	silt(2-50μm)	sand(50-2000μm)
Percentage	16.93%	77.38%	5.69%