

Table S1 Classification of soil nutrient concentrations

Rank	Organic matter (OM) (g kg <sup>-1</sup> )	Available nitrogen (AN) (mg kg <sup>-1</sup> )	Available potassium (AK) (mg kg <sup>-1</sup> )	Total phosphorus (TP) (g kg <sup>-1</sup> )	Available phosphorus (AP) (mg kg <sup>-1</sup> )	Description
1	>40	>150	>200	2.00	>40	very rich
2	30-40	120-150	150-200	1.50-2.00	20-39	rich
3	20-30	90-120	100-150	1.00-1.50	10-19	medium high level
4	10-20	60-90	50-100	0.70-1.00	5-9	medium low level
5	6-10	30-60	30-50	0.40-0.70	3-4	deficient
6	<6	<30	<30	<0.40	<3	very deficient