

Table S1. The properties of the soil in the Pakua tableland.

Pedon	Depth cm	Horizon	BD Mg m ⁻³	OC g kg ⁻¹
NP1a	0-30	A	1.37	9.8
	30-55	Bt	1.59	6.8
	55-80	Bo1	1.56	5.3
	80-110	Bo2	1.62	4.9
	110-135	Bo3	1.51	4.6
	135-160	Bo4	1.53	3.0
	160-195	Bo5	1.57	3.8
	195-220	Bo6	1.51	3.8
	220-250	Bo7	1.63	3.8
	250-275	Bo8	1.63	3.8
NP1b	275-310	Bo9	1.65	3.0
	0-15	A	1.45	22.3
	15-40	Bt	1.47	6.5
	40-65	Bo1	1.50	4.6
	65-95	Bo2	1.59	4.9
	95-125	Bo3	1.54	4.6
	125-150	Bo4	1.54	5.3
	150-170	Bo5	1.42	4.6
NP2	0-20	A	1.40	19.1
	20-50	BA	1.33	10.9
	50-80	Bt	1.41	9.7
	80-100	Bo1	1.47	10.9
	100-120	Bo2	1.41	10.1
	120-145	Bo3	1.45	9.7
	145-170	Bo4	1.46	7.8
	170-200	Bo5	1.51	7.0
CP1	0-25	A	1.37	12.2
	25-50	Bt1	1.59	6.1
	50-80	Bt2	1.56	6.1
	80-105	Bo1	1.55	3.1
	105-130	Bo2	1.59	3.5
	130-155	Bo3	1.51	3.9
	155-175	Bo4	1.55	2.7
	175-200	Bo5	1.44	2.7
CP2	0-25	AB	1.60	8.2
	25-50	Bo1	1.54	7.8
	50-80	Bo2	1.52	7.8
	80-105	Bo3	1.54	9.0
	105-130	Bo4	1.57	6.2
	130-155	Bo5	1.53	4.7
PK1	0-30	A1	1.6	14.4
	30-70	A2	1.5	4.8
	70-110	Bt1	1.5	3.2
	110-140	Bt2	1.5	3.6
	140-160	Bt3	1.5	2.4
	160-200	Bt4	1.4	2.0
PK6	0-35	A	1.3	12.8
	35-60	Bw1	1.4	11.2
	60-90	Bw2	1.4	8.4
	90-114	Bw3	1.4	9.6
	>114	Bw4	1.6	7.6
PK5b	0-10	A	1.48	17.2
	10-35	AB	1.42	12.9
	35-60	Bt1	1.25	12.2
	60-90	Bt2	1.27	12.9
	90-120	Bt3	1.39	11.8
	120-140	Bt4	1.51	8.6
PK4	0-18	A	1.4	17.5
	18-40	Bw1	1.4	15.0
	40-70	Bw2	1.5	7.7
	70-100	Bw3	1.5	7.7
	0-25	A	1.31	23.7
PK3b	25-55	AB	1.39	20.8
	55-80	Bt1	1.31	13.6

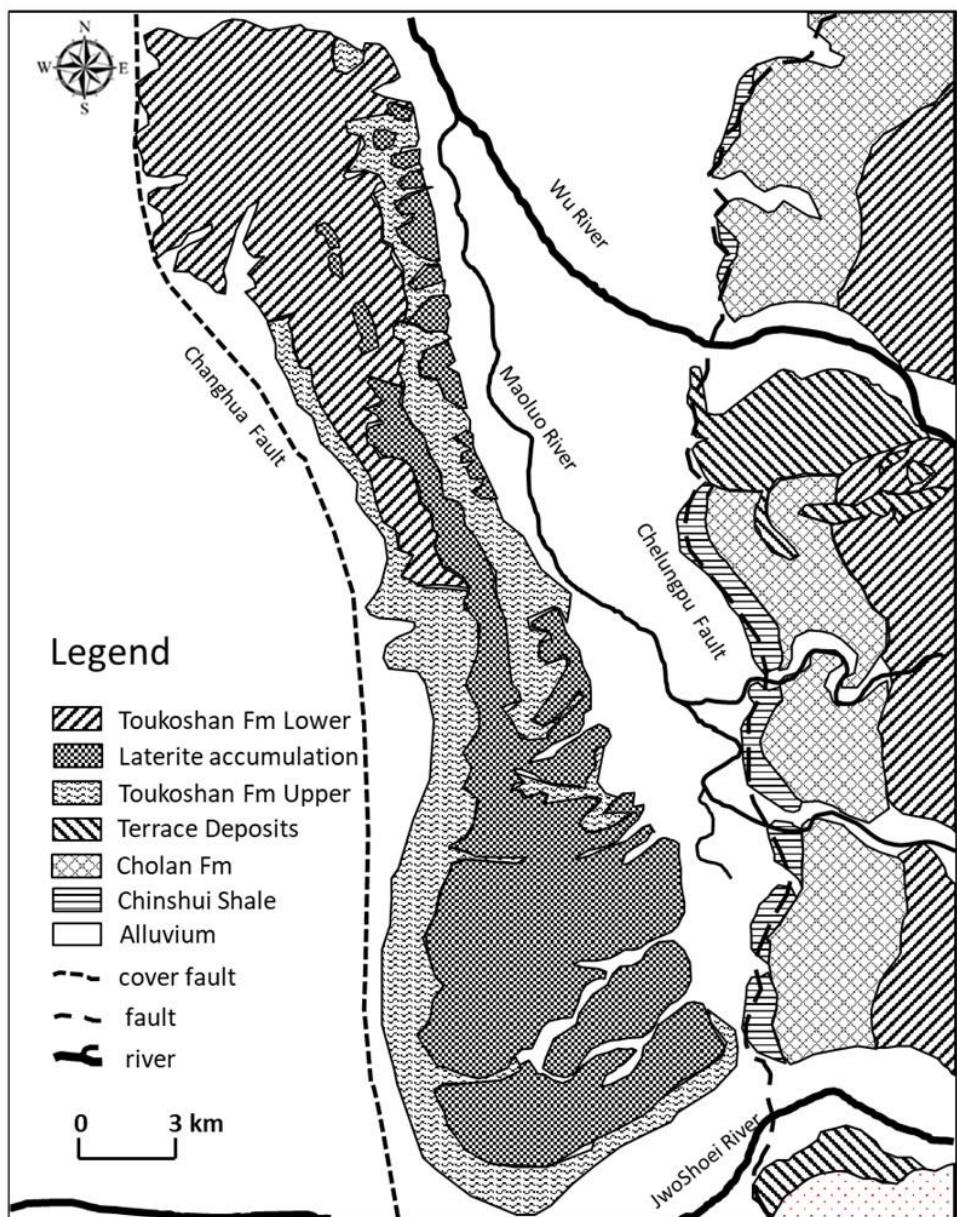


Figure. S1 Geological map of Pakua tableland

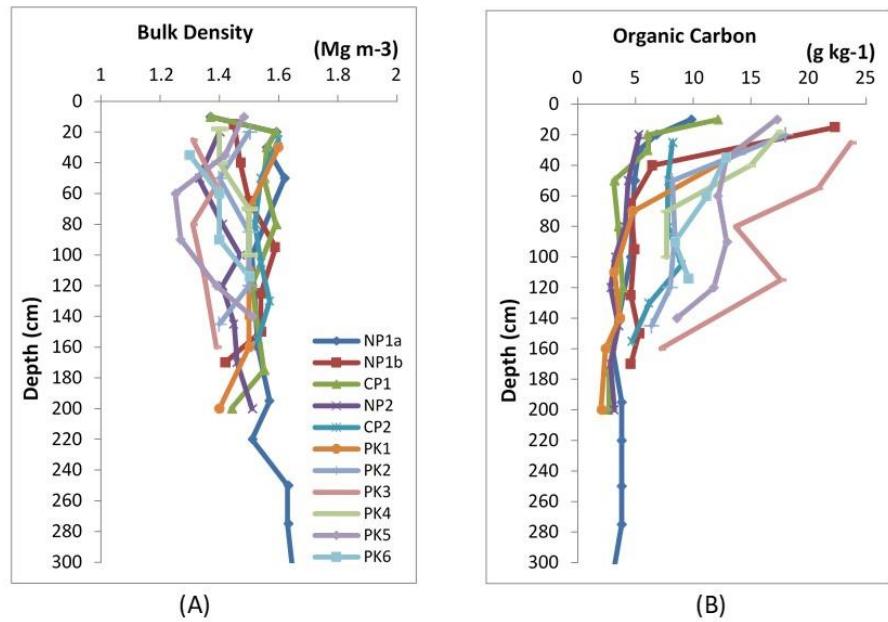


Figure S2. Depth profiles of bulk soil (A) Bulk density, (B) Organic carbon.