

**Table S1** Soil chemical composition of two sites measured by X-ray fluorescence

Chemical compound	Composition (%)	
	MK	MS
Na <sub>2</sub> O	1.10	2.30
MgO	2.09	0.61
Al <sub>2</sub> O <sub>3</sub>	19.35	15.96
SiO <sub>2</sub>	59.07	73.96
P <sub>2</sub> O <sub>5</sub>	0.22	0.46
K <sub>2</sub> O	1.70	0.74
CaO	1.18	2.90
TiO <sub>2</sub>	0.89	0.67
MnO	0.07	0.11
Fe <sub>2</sub> O <sub>3</sub>	7.15	3.99

(XRF)