

Table S1. Factor loading eigenvalue, natural saltlicks (NS), artificial saltlicks (AS), general soil (GS), minerals and coordinates of sites of correlative coherence analysis (CCA) in Salakphra Wildlife Sanctuary (SWS), and Kui Buri National Park (KNP).

Protected area	Factor	Abbreviation	PC1	PC2	PC3
	eigenvalue		0.027	0.003	0.023
SWS	GS	GSSWS	1.674	2.822	-1.999
	AS	ASSWS	0.468	-1.089	-0.687
	NS	NSWS	0.464	-1.127	-0.448
KNP	GS	GSKNP	1.313	-0.502	-0.714
	AS	ASKNP	-1.436	0.804	0.666
	NS	NSKNP	-1.761	0.718	2.112
	pH	pH	-0.150	-1.047	0.000
	Salinity	Salinity	-1.039	-0.201	0.000
	Phosphorus	P	0.109	0.110	-0.27
	Potassium	K	0.239	0.191	-0.149
	Calcium	Ca	-0.554	0.089	0.460
	Magnesium	Mg	-0.075	-0.028	0.121
	Sodium	Na	-0.269	-0.019	-0.092
	Manganese	Mn	0.198	-0.056	-0.443
	Zinc	Zn	0.036	-0.005	-0.233
	Ferrous	Fe	0.067	-0.013	-0.027
	Copper	Cu	0.149	-0.063	-0.293
	Selenium	Se	-0.024	0.229	-0.189