

Appendix C: Pearson's correlation matrices of extrapolated species richness, and environmental variables, for mammals (A) and dung beetles (B)



Mammal species richness (Y) extracted from individual-based rarefaction curves for different numbers of detection events (X)

Environmental variables	Y for X = 10	Y for X = 20	Y for X = 30	Y for X = 40	Y for X = 50	Y for X = 60	Y for X = 70	Y for X = 80	Y for X = 90	Y for X = 100
Distance to the nearest road	-0.04	0.29	0.25	0.25	0.34	0.28	0.27	0.40	0.48	0.33
Distance to the nearest river	0.49	0.31	0.22	0.22	0.33	0.14	0.20	0.12	0.16	0.16
Distance to the nearest village	0.40	0.50	0.32	0.32	0.43	0.27	0.42	0.41	0.49	0.33
Forest degradation	0.05	-0.16	-0.30	-0.30	-0.26	-0.31	-0.20	-0.35	-0.36	-0.30
Protected area	0.06	0.35	0.38	0.38	0.37	0.39	0.33	0.49	0.49	0.42
Logging concession	0.30	0.05	-0.12	-0.12	-0.02	-0.16	0.03	-0.15	-0.09	-0.13
Community forests	-0.40	-0.46	-0.32	-0.32	-0.41	-0.29	-0.42	-0.41	-0.49	-0.35



Dung beetle species richness (Y) extracted from individual-based rarefaction curves for different numbers of individuals (X)

Environmental variables	Y for X = 10	Y for X = 20	Y for X = 30	Y for X = 40	Y for X = 50	Y for X = 60	Y for X = 70	Y for X = 80	Y for X = 90	Y for X = 100
Distance to the nearest road	0.68	0.65	0.67	0.57	0.59	0.58	0.57	0.57	0.53	0.55
Distance to the nearest river	-0.24	-0.17	-0.25	-0.25	-0.22	-0.20	-0.23	-0.20	-0.14	-0.20
Distance to the nearest village	0.44	0.48	0.61	0.59	0.58	0.60	0.58	0.60	0.52	0.56
Canopy openness	-0.47	-0.40	-0.50	-0.47	-0.52	-0.54	-0.57	-0.53	-0.52	-0.53
Forest degradation	-0.29	-0.36	-0.37	-0.34	-0.33	-0.27	-0.24	-0.28	-0.25	-0.29
Protected area	0.60	0.57	0.60	0.51	0.51	0.52	0.51	0.51	0.48	0.49
Logging concession	0.09	0.20	0.29	0.38	0.39	0.39	0.42	0.44	0.41	0.43
Community forests	-0.67	-0.71	-0.82	-0.79	-0.81	-0.82	-0.82	-0.84	-0.79	-0.81