

Results from mixed-effects linear regression for species richness (SR), functional richness (FR), and phylogenetic diversity (PD). Following Brodie et al., bolding indicates predictors with estimated coefficients with p

Variable	Bird			Mammal		
	SR	FR	PD	SR	FR	PD
$R^2$	0.247	0.376	0.197	0.588	0.356	0.608
(Intercept)	139.738 (18.114; 0.000)	234.163 (29.799; 0.000)	3.191 (0.225; 0.000)	6.622 (2.537; 0.009)	12.317 (3.176; 0.000)	1.981 (0.331; 0.000)
Forest canopy height	17.817 (3.118; 0.000)	16.100 (3.468; 0.000)	-0.073 (0.047; 0.118)	0.385 (0.284; 0.175)	0.199 (0.580; 0.731)	0.029 (0.039; 0.466)
Site accessibility	-4.363 (3.717; 0.241)	-13.908 (4.059; 0.001)	-0.231 (0.053; 0.000)	-1.157 (0.503; 0.022)	-1.349 (0.737; 0.067)	0.010 (0.053; 0.852)
HDI	9.644 (14.641; 0.535)	9.793 (24.045; 0.698)	0.323 (0.182; 0.127)	0.202 (1.550; 0.903)	1.521 (1.848; 0.457)	0.061 (0.200; 0.776)
Connectivity	16.402 (4.190; 0.000)	2.905 (5.010; 0.562)	0.272 (0.062; 0.000)	-1.100 (2.444; 0.653)	1.812 (3.533; 0.608)	-0.207 (0.280; 0.460)
PA size (binary)	2.469 (6.367; 0.698)	18.145 (7.698; 0.019)	0.392 (0.098; 0.000)	4.704 (1.015; 0.000)	-0.150 (1.720; 0.931)	-0.031 (0.121; 0.801)
Brodie	10.1%	13.3%	6.0%	25.6%	129.5%	24.3%
Replicate	-0.3%	2.7%	5.5%	43.2%	14.7%	6.1%