

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	0.220	0.241	0.185	0.365	0.314	0.430
(Intercept)	146.605 (16.188; 0.000)	225.835 (12.942; 0.000)	2.992 (0.184; 0.000)	10.157 (1.380; 0.000)	12.172 (1.890; 0.000)	2.198 (0.232; 0.000)
Forest canopy height	19.284 (3.074; 0.000)	32.634 (3.035; 0.000)	0.118 (0.036; 0.001)	0.001 (0.209; 0.995)	1.059 (0.365; 0.004)	0.053 (0.028; 0.060)
Site accessibility	7.653 (2.648; 0.004)	0.905 (2.566; 0.724)	-0.129 (0.031; 0.000)	-0.275 (0.332; 0.407)	-0.140 (0.547; 0.799)	0.004 (0.043; 0.929)
HDI	-9.355 (12.531; 0.480)	-17.972 (10.160; 0.120)	0.158 (0.145; 0.312)	-0.046 (0.894; 0.962)	1.434 (1.244; 0.313)	0.162 (0.150; 0.340)
Connectivity	-8.292 (3.646; 0.023)	-4.573 (3.665; 0.212)	0.201 (0.055; 0.000)	2.299 (1.279; 0.072)	4.141 (2.043; 0.043)	0.266 (0.160; 0.096)
PA	14.806 (6.605; 0.025)	10.988 (6.643; 0.098)	0.339 (0.083; 0.000)	0.383 (0.473; 0.419)	0.631 (0.787; 0.423)	-0.003 (0.061; 0.964)
Brodie	39.0%	34.4%	18.0%	-5.8%	-4.1%	4.6%
Replicate	26.1%	25.8%	19.4%	-5.3%	5.1%	5.0%