

Model	Biodiversity measure	Slope	r^2	$p - value$
Lognormal	N_{\max}	0.96	0.64	< 0.0001
	Evenness	-0.51	0.61	< 0.0001
	Skewness	0.12	0.52	< 0.0001
Zipf	N_{\max}	1.02	0.54	< 0.0001
	Evenness	-0.60	0.57	< 0.0001
	Skewness	0.097	0.33	< 0.0001
Log-series	N_{\max}	0.85	0.80	< 0.0001
	Evenness	-0.12	0.75	< 0.0001
	Skewness	0.041	0.81	< 0.0001
Broken-stick	N_{\max}	0.73	0.77	< 0.0001
	Evenness	-0.0088	0.45	< 0.0001
	Skewness	0.014	0.29	< 0.0001