

Table S10. ANOVA outputs of predictor 'data type', (which includes persistence-area relationships (realized-PAR and potential-PAR) both with and without neighbors, and species-area relationships (Diversity-SAR)) using accumulated scaling of suitable habitat. Separate models were fit for each scale.

Scale level	Predictor	Chi.squared	Df	P-value
plot	Intercept	3.682	1	0.055
plot	Data type	889.264	4	0.000
grid	Intercept	29.235	1	0.000
grid	Data type	18.916	4	0.001
site	Intercept	0.000	1	1.000
site	Data type	0.000	4	1.000