

Table S13. 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 averaged 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	23.668	1	0.000
grid	Data type	71.209	4	0.000
site	Intercept	0.000	1	0.999
site	Data type	17.348	4	0.002