

Independent Variables	Dependent Variables									
	Latitude	Longitude	MAT (°C)	MAP (mm)	Growing Season	Tree community abundance	Leaf diversity (rarefied)	Shannon Diversity (plant)	Standing insect abundance	Standing insect diversity (Shannon)
Frequencies										
Total	Mod3	Mod4	Mod5	Mod6	Mod7	Mod8	Mod9	Mod10	Mod11	Mod12
Specialized	Mod3.1	Mod4.1	Mod5.1	Mod6.1	Mod7.1	Mod8.1	Mod9.1	Mod10.1	Mod11.1	Mod12.1
Mine	Mod3.2	Mod4.2	Mod5.2	Mod6.2	Mod7.2	Mod8.2	Mod9.2	Mod10.2	Mod11.2	Mod12.2
Gall	Mod3.3	Mod4.3	Mod5.3	Mod6.3	Mod7.3	Mod8.3	Mod9.3	Mod10.3	Mod11.3	Mod12.3
Hole Feeding	Mod3.4	Mod4.4	Mod5.4	Mod5.4	Mod7.4	Mod8.4	Mod9.4	Mod10.4	Mod11.4	Mod12.4
Skeletonization	Mdo3.5	Mdo4.5	Mdo5.5	Mdo6.5	Mdo7.5	Mdo8.5	Mdo9.5	Mdo10.5	Mdo11.5	Mdo12.5
Surface Feeding	Mod3.6	Mod4.6	Mod5.6	Mod6.6	Mod7.6	Mod8.6	Mod9.6	Mod10.6	Mod11.6	Mod12.6
Piercing & sucking	Mod3.7	Mod4.7	Mod5.7	Mod6.7	Mod7.7	Mod8.7	Mod9.7	Mod10.7	Mod11.7	Mod12.7
Diversities										
Total	Mod3.8	Mod4.8	Mod5.8	Mod6.8	Mod7.8	Mod8.8	Mod9.8	Mod10.8	Mod11.8	Mod12.8
Specialized	Mod3.9	Mod4.9	Mod5.9	Mod6.9	Mod7.9	Mod8.9	Mod9.9	Mod10.9	Mod11.9	Mod12.9
Mine	Mod3.10	Mod4.10	Mod5.10	Mod6.10	Mod7.10	Mod8.10	Mod9.10	Mod10.10	Mod11.10	Mod12.10
Gall	Mod3.11	Mod4.11	Mod5.11	Mod6.11	Mod7.11	Mod8.11	Mod9.11	Mod10.11	Mod11.11	Mod12.11
*This is a key, each model output can be found at: https://github.com/lazevedoschmidt/modern.landscape.herbivory/tree/main/Supplementary/GLM%20summary%20tables										