**Metadata:**

Site ID - defined by Averill et al. 2014

site.name- guessed, described by Nina

c50 – total soil carbon content 0-50 cm (kg C/m2)

n50 – total soil nitrogen content to 0-50 cm (kg N/m2)

sand50 – sand content of soil 0-50 cm (%)

silt50 – sand content of soil 0-50 cm (%)

clay50 – sand content of soil 0-50 cm (%)

latitude

longitude

c – total soil carbon content 0-1m (kg C/m2)

n – total soil nitrogen content 0-1m (kg N/m2)

ph – soil pH 0-1 m depth

sand – sand content 0-1m (%)

silt – silt content 0-1 m (%)

clay – clay content 0-1m (%)

em – mycorrhizal dominance of ecosystem (0 = arbuscular, 1 = ectomycorrhizal)

npp – estimate of net primary productivity (10 year average of MODIS NPP product) (kg C/m2 yr)

mat – mean annual temperature (°C), estimated from WorldClim

map – mean annual precipitation (mm), estimated from WorldClim

tree.spp – species number for site or location

panama.plot.spp – tree species number measured in 1 ha plot across the Panamanian isthmus