



Figure S7. Abundance of non-vector mosquito species (*C*) and *Anopheles cruzii* (X_m^*): spatial abundance distribution modelling. A: Abundance of *An. cruzii* (altitude β_1 of 6.65 and vegetation biomass β_2 of 2.13; R^2 -adjusted = 0.91); B: Abundance of *Ae. serratus* (vegetation biomass β_1 of 2.13; R^2 -adjusted = 0.16); C: Abundance of *Li. durhami* (altitude β_1 of 2.88 and vegetation biomass β_2 of 1.00; R^2 -adjusted = 0.93); D: Abundance of *Ru. reversa* (altitude β_1 of 6.4; R^2 -adjusted = 0.25); and E: Abundance of *Wy. quasilingirostris* (altitude β_1 of 5.5; R^2 -adjusted = 0.34; grid of 200 m-spatial resolution). G, The Guarani Mbya village; and M, Marujá.