

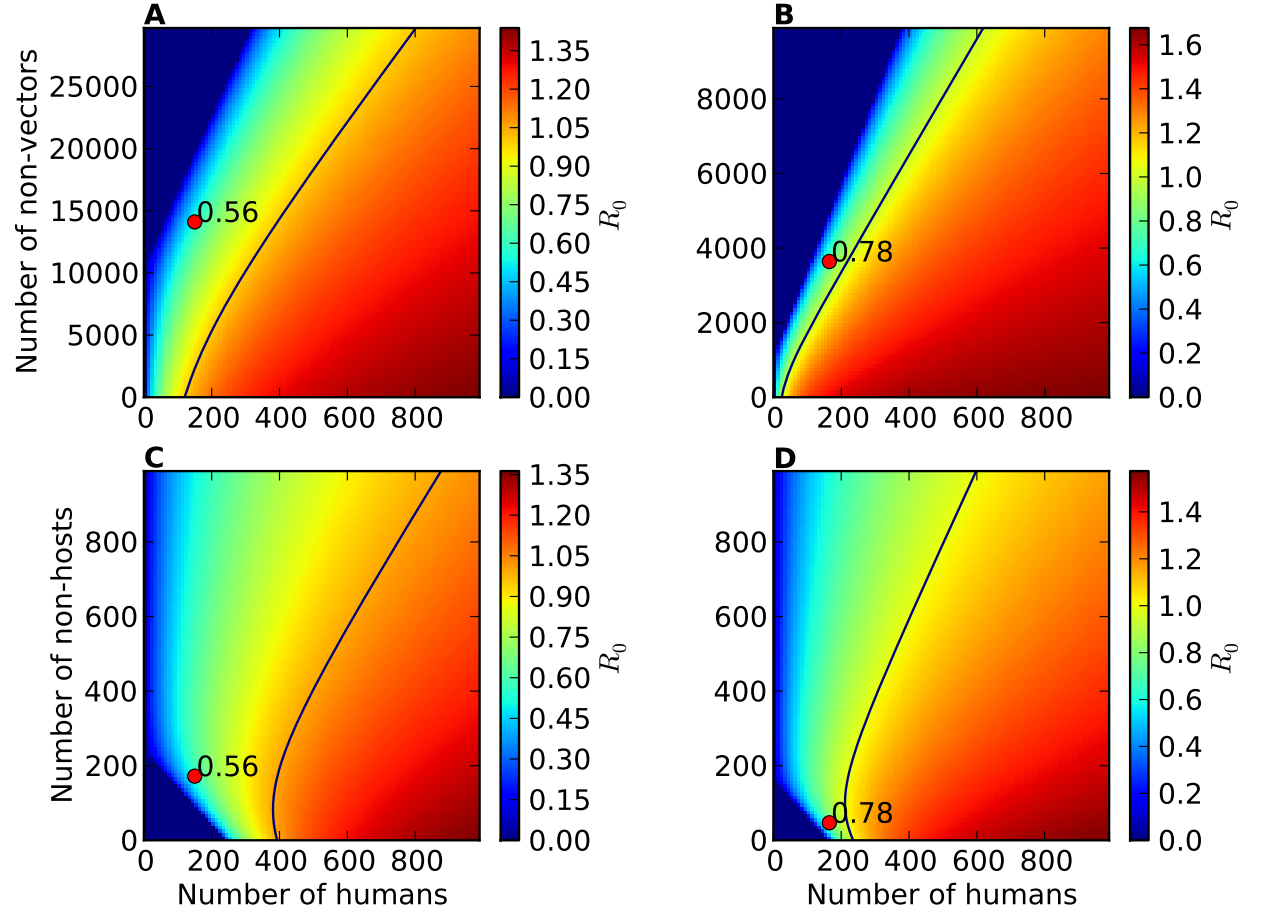


Figure S9. Sensitivity analysis: if $h = 25$ then $R_0 < 1$. A, B: Decrease in abundance of non-vector mosquito species can increase risk of malaria transmission ($R_0 > 1$) in The Guarani Mbya village and Marujá, respectively; C, D: Decrease in abundance of non-host vertebrate species does not increase risk of malaria transmission ($R_0 < 1$) in The Guarani Mbya village and Marujá, respectively. The parameter α is 4.7 in The Guarani Mbya village and 2.8 in Marujá.