

Table S5 Model Selection for the best logistic generalized estimating equations model explaining dog cutaneous leishmaniasis seropositivity by ELISA. The best model is **bolded**.

Model Selection Round	Model Structure	QIC	ΔQIC
0	Total <i>Lutzomyia trapidoi</i> abundance (trapi)	74	12
0	Domiciliary <i>Lutzomyia trapidoi</i> abundance (dtrapi)	67	5
1	dtrapi+ Peridomicile index (pi) + Vegetation index (vi) + housing destituness index (hdi) + number of humans with open Leishmaniasis lessons (actL) + number of humans with past Leishmaniasis Lessons (pasL)+ number of humans (H) + richness of domestic animals (da) + richness of wildlife animals (wa) + index of domestic animal abundance (ida) + index of wildlife animal presence (iwa)+ poor physical condition (ppc) +age + sex + sleep inside the house (sih) +cutaneous lessons (cul) + dewormed (dew) +ectoparasites (ect)	85	13
2	dtrapi+age	62	---