

S1 Table. Competitive generalized linear models of the *Aedes aegypti* infection with Zika virus after feeding on infected rhesus macaques.

Model	K	AICc	Δ AICc	ModelLik	AICcWt	LL
Null model	1	153.59	14.62	0	0	-75.79
Infection ~ mosquito population	2	152.54	9.58	0.01	0	-74.26
Infection ~ log (macaque viral load)	2	143.46	0.5	0.78	0.24	-69.72
Infection ~ d.p.m.i.	2	153.12	10.15	0.01	0	-74.55
Infection ~ mosquito population + log (macaque viral load)	3	142.96	0	1	0.31	-68.47
Infection ~ mosquito population + d.p.m.i.	3	154.56	11.59	0	0	-74.26
Infection ~ log (macaque viral load) + d.p.m.i.	3	144.5	1.54	0.46	0.14	-69.24
Infection ~ mosquito population + log (macaque viral load) + d.p.m.i.	4	144.42	1.45	0.48	0.15	-68.18

d.p.m.i.: days post mosquito infection; K: number of parameters; AICc: Akaike Information Criterion corrected; Δ AICc: difference between the AICc of a given model and the lowest AICc, which Δ AICc > 2 means high support for a given model; Wt: model probability based on Akaike weight. Best GLMs are in bold.