

Table S1. Average and standard error of initial female weight, egg mass weight, egg production index (EPI), nutritional index (NI), reproductive efficiency (RE), and tick control percent of *Rhipicephalus microplus* females inoculated with the antagonist SCH 23390 (1 nM or 1 μ M) and *Metarhizium anisopliae* (1×10^7 conidia/mL).

	Initial female weight (mg)	Egg mass weight (mg)	EPI (%)	NI (%)	RE (%)	Tick Control (%)
Controle	199.4 a \pm 0.01	99.2 a \pm 0.008	49.7 a \pm 1.5	64.4 a \pm 1.9	45.7 a \pm 1.9	-
PBS	198.0 a \pm 0.01	88.2 a \pm 0.008	45.1 a \pm 2.8	59.4 a \pm 3.4	38.1 a \pm 3.4	-
SCH A	197.4 a \pm 0.01	89.1 a \pm 0.007	45.3 a \pm 2.4	64.8 a \pm 3.6	29.9 a \pm 3.5	32.4
SCH B	197.5 a \pm 0.01	80.6 a \pm 0.008	40.7 a \pm 3.1	60.7 a \pm 2.7	29.5 a \pm 3.1	25.2
MA	198.3 a \pm 0.01	40.1 b \pm 0.007	25.1 b \pm 5.0	24.8 b \pm 3.7	7.7 b \pm 2.7	78.2
SCH A + MA	191.7 a \pm 0.01	19.1 b \pm 0.005	9.6 c \pm 2.7	25.3 b \pm 5.9	6.6 b \pm 2.5	79.2
SCH B + MA	200.3 a \pm 0.01	17.5 b \pm 0.005	8.8 c \pm 2.7	23.8 b \pm 5.6	4.0 b \pm 1.9	90.5

Means followed by the same letter, in the same column, do not differ significantly from each other ($P \geq 0.05$). **CTR**: untreated ticks; **PBS**: ticks inoculated with phosphate buffer solution; **SCH A**: ticks inoculated with the antagonist at 1 nM; **SCH B**: ticks inoculated with antagonist at 1 μ M; **MA**: ticks inoculated with *M. anisopliae*; **SCH A + MA**: ticks inoculated with the lowest concentration of the antagonist and then the fungus; **SCH B + MA**: ticks inoculated with the highest concentration of the antagonist and then the fungus.