



**Figure S1 – Parallelism curve. Binding displacement curves of serially diluted *Crotalus durissus* pooled plasma at baseline conditions against the corticosterone standard used in the corticosterone enzyme-immunoassay. The y axis represents the % Hormone Bound (%B)/Total Binding (Bo) measured at wave-length of 412 nm. The 50% binding point is denoted using a blue dashed line, with determined dilution factors for males (green) and females (red) extracted plasma samples.**

**Table S1.** Descriptive analysis of corticosterone plasmatic levels (CORT), bacteria killing ability (BKA), and heterophil:lymphocyte ratio (H:L) of rattlesnakes (*Crotalus durissus*) in the Constant-to-Fluctuating and Fluctuating-to-Constant treatments, after 2, 10, 14 and 22 days of exposure. Notice that the treatments are divided into two thermal regimes (Constant and Fluctuating).

Treatment	Constant-to-Fluctuating								Fluctuating-to-Constant							
	Constant				Fluctuating				Fluctuating				Constant			
Regime	Constant		Fluctuating		Fluctuating		Constant		Fluctuating		Constant		Fluctuating		Constant	
Day	2	10	14	22	2	10	14	22	2	10	14	22	2	10	14	22
Variables	N	Mean ± SE	N	Mean ± SE	N	Mean ± SE	N	Mean ± SE	N	Mean ± SE	N	Mean ± SE	N	Mean ± SE	N	Mean ± SE
<b>CORT (ng/ml)</b> <b>Males</b>	8	19.01 ± 2.89	8	26.16 ± 7.38	8	26.9 ± 7.95	7	28.82 ± 5.57	7	22.93 ± 3.97	7	39.14 ± 11.03	7	13.72 ± 2.39	7	18.95 ± 5.2
<b>CORT (ng/ml)</b> <b>Females</b>	4	28.95 ± 20.12	4	26.3 ± 11.75	4	37.31 ± 21.1	4	20.86 ± 12.97	5	29.42 ± 8.79	5	28.33 ± 5.51	5	15.81 ± 7.96	5	29.93 ± 4.06
<b>BKA (%)</b> <b>Males</b>	8	56.76 ± 11.97	8	41.51 ± 12.3	8	58.55 ± 10.49	7	36.23 ± 10.46	7	55.64 ± 14.68	7	61.23 ± 12.36	7	56.49 ± 8.41	7	45.12 ± 11.29
<b>BKA (%)</b> <b>Females</b>	4	48.79 ± 19.42	4	41.89 ± 23.47	4	44.66 ± 4.14	4	42.28 ± 23.97	5	44.97 ± 13.26	5	53.48 ± 21.36	5	47.65 ± 10.39	5	72.2 ± 12.8
<b>H:L</b> <b>Males</b>	8	0.06 ± 0.02	8	0.12 ± 0.04	8	0.16 ± 0.03	7	0.16 ± 0.05	7	0.09 ± 0.02	7	0.23 ± 0.06	7	0.18 ± 0.07	7	0.13 ± 0.03
<b>H:L</b> <b>Females</b>	4	0.06 ± 0.02	4	0.11 ± 0.06	4	0.09 ± 0.03	4	0.05 ± 0.01	5	0.05 ± 0.01	5	0.08 ± 0.03	5	0.05 ± 0.02	5	0.23 ± 0.18

N = valid N; Min = Minimum; Max = Maximum; SE = Standard Error.