

Table S1. Seven candidate models for each measures of body condition index in *Microcebus rufus* at RNP. Model selection based on Akaike's information criterion (AIC). (K, number of model parameter including intercept, AICc, finite sample corrected Akaike information criteria, see text for explanation of difference values of Δ_i and W_i)

Model	Model	K	AICc	Δ_i	W_i
Log₁₀(BW)	Sex	2	-314.56	4.58	0.04
	period	2	-314.05	4.07	0.06
	site	2	-314.99	5.01	0.04
	Sex+Period	3	-311.93	1.95	0.17
	Sex+Site	3	-312.94	2.96	0.10
	Period+Site	3	-312.09	2.11	0.15
	Sex+Period+Site	4	-309.98	0.00	0.44
Log₁₀CRT index	Sex	2	-303.04	0.00	0.92
	period	2	-308.62	5.58	0.06
	site	2	-315.04	12.00	0.00
	Sex+Period	3	-311.62	8.58	0.00
	Sex+Site	3	-313.49	10.45	0.00
	Period+Site	3	-320.83	17.79	0.00
	Sex+Period+Site	4	-321.27	18.23	0.00
OLS residual index	Sex	2	-282.53	4.71	0.04
	period	2	-282.20	4.38	0.05
	site	2	-282.72	4.90	0.04
	Sex+Period	3	-280.03	2.21	0.15
	Sex+Site	3	-280.56	2.74	0.12
	Period+Site	3	-280.04	2.22	0.15
	Sex+Period+Site	4	-277.82	0.00	0.45

Table S2. Comparison of the prevalence of infection between sex, site, and period of study. (n = sample size, χ^2 = chi square, P= probability)

	n	Prevalence (%)	X²	P
<i>Strongyloides</i> sp.				
Female	45	80.00	4.85	0.03
Male	75	93.30		
Campsite	49	95.90	4.63	0.03
Talatakely	71	83.10		
Period 1	43	88.40	1.42	0.49
Period 2	37	83.80		
Period 3	40	92.50		
<i>Hymenolepis</i> sp.				
Female	45	33.3	19.89	0.00
Male	75	74.7		
Campsite	49	53.1	1.28	0.29
Talatakely	71	63.4		
Period 1	43	62.8	3.57	0.17
Period 2	37	67.6		
Period 3	40	47.5		
<i>Lemurpediculus verruculosus</i>				
Female	45	24.4	24.12	0.00
Male	75	70.7		
Campsite	49	36.7	9.17	0.00
Talatakely	71	64.8		
Period 1	43	62.8	2.72	0.26
Period 2	37	51.4		
Period 3	40	45.0		

Table S3. Comparison of parasite abundance and parasite richness between sex, site, and period of study. (n = sample size, Q1= the first quartile, Q2 = second quartile, X²=Chi square, P = probability)

	n	Median (Q1–Q2)	X ²	P
<i>Strongyloides</i> sp.				
Female	45	45 (4.5–167.5)	2.30	0.13
Male	74	153.08 (26.75–217.5)		
Campsite	49	78 (24–262)	1.25	0.26
Talatakely	70	79 (7.75–175.5)		
Period 1	43	43 (7–82)	13.16	0.00
Period 2	36	95 (13–193)		
Period 3	40	142.5 (63–270)		
<i>Hymenolepis</i> sp.				
Female	45	0.00 (0–26)	24.35	0.00
Male	74	244 (0–919)		
Campsite	49	2 (0–104)	8.77	0.00
Talatakely	71	175 (0–959)		
Period 1	43	40 (0–760)	2.59	0.27
Period 2	37	75 (0–796)		
Period 3	40	0.00 (0–530.5)		
<i>Lemurpediculus verruculosus</i>				
Female	45	1 (1–1)	23.02	0.00
Male	74	3 (1–2)		
Campsite	49	1 (1–2)	11.30	0.00
Talatakely	71	2 (1–2)		
Period 1	43	2 (1–2)	0.52	0.77
Period 2	37	2 (1–2)		
Period 3	40	1 (1–2)		