

## Supplementary Material

### **Dietary composition and prey preference of a new carnivorous marsupial species, the buff-footed antechinus (*Antechinus mysticus*), at the northern and southern limits of its range**

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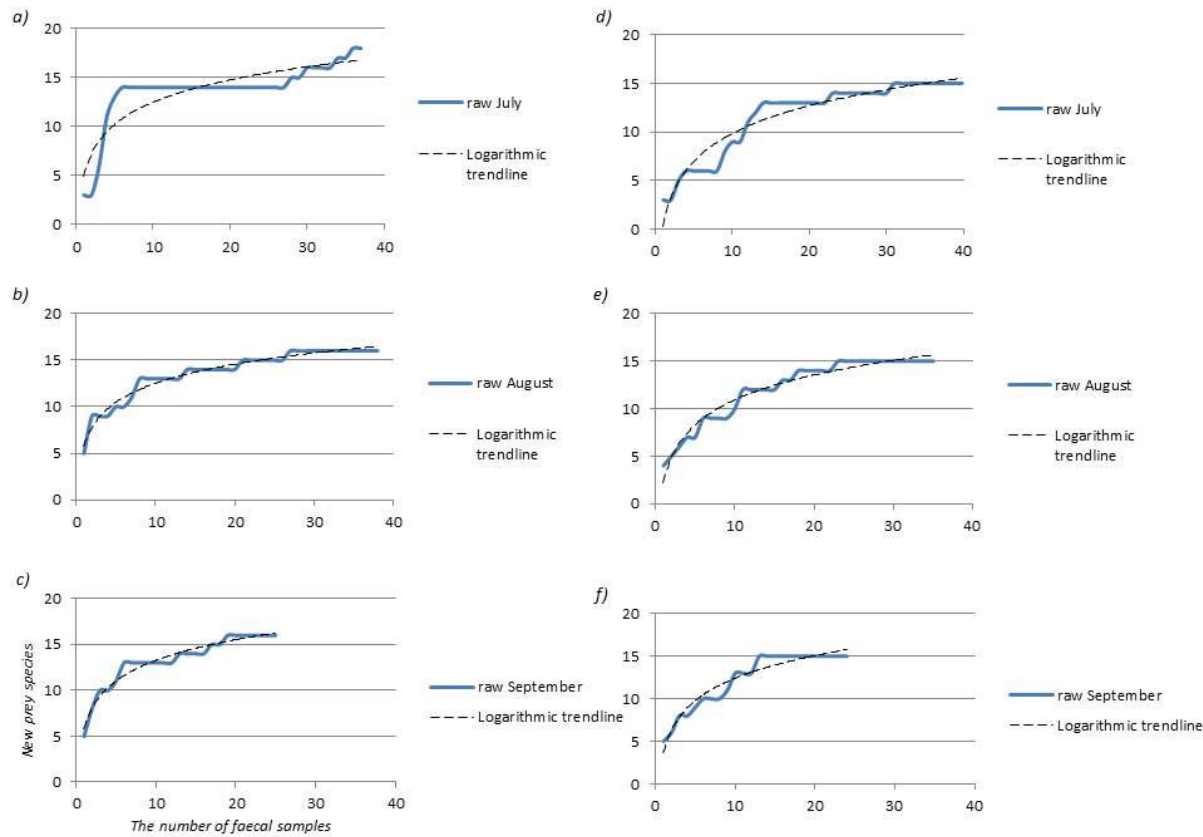


Figure S1. *a*, *b* and *c* display the prey species cumulative curves of both the raw data and the expected logarithmic trend line for faecal samples collected from Broken River during 2014 between the months labelled. *d*, *e* and *f* display the prey species cumulative curves of both the raw data and the expected logarithmic trend line for faecal samples collected from Cedar Creek during the same time period. Note the smaller sample size during September (*c* and *f*) at both sites as only females were present.

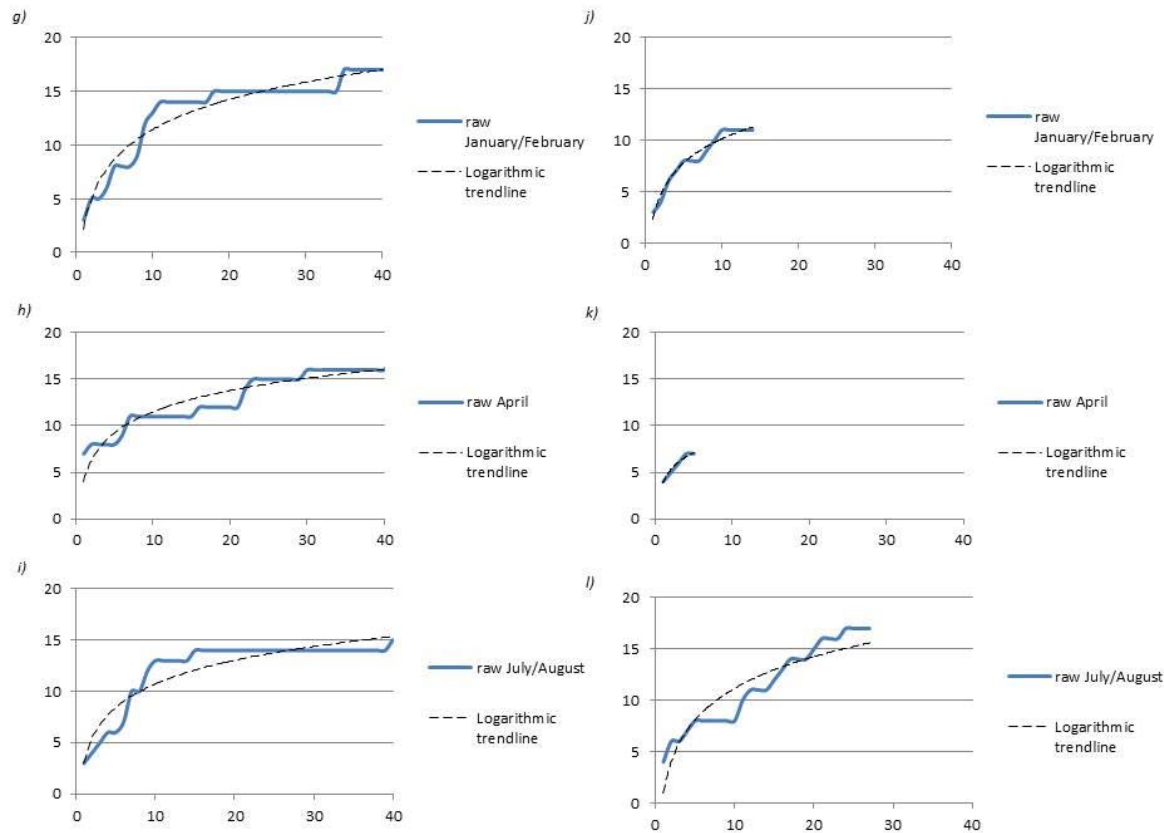


Figure S2. *g*, *h* and *i* display the prey species cumulative curves of both the raw data and the expected logarithmic trend line for faecal samples collected from Broken River during 2015 between the months labelled. *j*, *k* and *l* display the prey species cumulative curves of both the raw data and the expected logarithmic trend line for faecal samples collected from Cedar Creek during the same time period. Note the low sample size during January/February at cedar Creek and again during April.

Table S1. Tabulated mean % volume of prey items found within scat of *A. mysticus* over 2014 and 2015 not included in Figures 3 – 8.

	Order	Suborder	Family	Life Cycle Stage	2014		2015		
					Broken River	Cedar Creek	Broken River	Cedar Creek	
Invertebrate	Amphipoda				15.2	0.1	0.9	0.7	
	Araneae				13.5	32.8	10.7	32.1	
	Blattodea				19.0	19.1	35.3	18.4	
	Chilopoda				4.9	3.2	3.2	3.7	
	Collembola				0.0	0.0	0.0	0.0	
	Coleoptera				Adult	9.7	5.6	15.9	9.0
					Larvae	0.8	2.2	0.5	0.0
	Hemiptera					1.3	2.7	0.0	0.4
			Heteroptera			6.3	2.9	3.6	3.0
			Auchenorrhyncha			0.5	0.3	0.0	1.4
	Hymenoptera					0.5	0.0	0.0	0.0
				formicidae		5.4	7.4	2.9	3.4
	Isopoda					3.1	1.8	0.8	2.3
	Lepidoptera				Adult	2.6	2.7	1.7	0.3
					Larvae	4.5	11.1	11.6	12.5
	Neuroptera					0.0	0.2	0.0	0.0
Opiliones					0.4	2.6	0.0	5.7	
Orthoptera					6.3	1.2	6.3	3.8	
Vertebrate					3.0	0.7	3.0	1.6	