

Species	Family	specimen number	Maximum petrosal length (mm)	M2 mesiodistal length (mm)
<i>Antechinus stuartii</i>	Dasyuridae	UNSW 145 (left)	7.9	1.83
<i>Antechinus stuartii</i>	Dasyuridae	UNSW 145 (right)	7.8	1.98
<i>Barinya wangala</i> <sup>†</sup>	Dasyuridae	QM F31408 (left)	16.2	7.7
<i>Barinya wangala</i> <sup>†</sup>	Dasyuridae	QM F31408 (right)	16.2	7.5
<i>Barinya wangala</i> <sup>†</sup>	Dasyuridae	QM F31409	14.5	8.1
<i>Dasyuroides byrnei</i>	Dasyuridae	AR118 (left)	18	6.4
<i>Dasyuroides byrnei</i>	Dasyuridae	AR118 (right)	18.3	6.9
<i>Dasyurus maculatus</i>	Dasyuridae	J.8754 (right)	27.7	15.2
<i>Dasyurus</i> sp.	Dasyuridae	AR 6523 (left)	19.6	10.7
<i>Dasyurus</i> sp.	Dasyuridae	AR 6523 (right)	19.8	11.1
<i>Dasyurus viverrinus</i>	Dasyuridae	AR6521 (right)	20	12
<i>Murexia</i> sp.	Dasyuridae	no data (left)	11.7	6.7
<i>Murexia</i> sp.	Dasyuridae	no data (right)	10.8	6.9
<i>Phascogale tapoatafa</i>	Dasyuridae	AR 17644 (left)	17.6	7.4
<i>Phascogale tapoatafa</i>	Dasyuridae	AR 17644 (right)	15.7	7.8
<i>Phascogale tapoatafa</i>	Dasyuridae	no data (left)	16.3	7.1
<i>Sarcophilus harrisii</i>	Dasyuridae	UNSW 2414 (left)	39.8	25.9
<i>Sarcophilus harrisii</i>	Dasyuridae	UNSW 2414 (right)	41.9	27.5
<i>Sminthopsis murina</i>	Dasyuridae	AR1571 (left)	3.6	1.65
<i>Sminthopsis murina</i>	Dasyuridae	AR1571 (right)	3.4	1.67

<i>Didelphis marsupialis</i>	Didelphidae	Zool 248 (left)	25.5	11.6
<i>Didelphis marsupialis</i>	Didelphidae	Zool 248 (right)	26.2	12.6
<i>Didelphis marsupialis</i>	Didelphidae	Zool 401 (left)	22.7	13.7
<i>Didelphis marsupialis</i>	Didelphidae	Zool 401 (right)	20.7	14.5
<i>Didelphis</i> sp.	Didelphidae	no data (left)	22.6	13.8
<i>Didelphis</i> sp.	Didelphidae	no data (right)	24.6	13.9
<i>Marmosa pusilla</i>	Didelphidae	no data (left)	4.15	1.8
<i>Marmosa pusilla</i>	Didelphidae	no data (right)	4	1.91
<i>Marmosa</i> sp.	Didelphidae	no data (left)	3.72	1.6
<i>Marmosa</i> sp.	Didelphidae	no data (right)	3.74	1.55
<i>Aeprymnus rufus</i>	Macropodidae	no data (left)	22	14
<i>Dromiciops australis</i>	Microbiotheriidae	AR00452 (left)	4.5	1.55
<i>Dromiciops australis</i>	Microbiotheriidae	AR00452 (right)	4.8	1.6
<i>Dromiciops</i> sp.	Microbiotheriidae	no data (left)	9.6	1.65
<i>Dromiciops</i> sp.	Microbiotheriidae	no data (right)	9.8	1.57
<i>Perameles nasuta</i>	Peramelidae	UNSWZ 32 (left)	17.8	8.6
<i>Perameles nasuta</i>	Peramelidae	UNSWZ 32 (right)	16.5	8.9
<i>Echymipera kalubu</i>	Peroryctidae	AR 7644 (left)	10.9	7.9
<i>Echymipera kalubu</i>	Peroryctidae	AR 7644 (right)	11	8.4
<i>Echymipera kalubu</i>	Peroryctidae	AR 7248 (left)	15.3	7.7

<i>Echymipera kalubu</i>	Peroryctidae	AR 7248 (right)	12.4	8
<i>Peroryctes raffrayana</i>	Peroryctidae	R157 (left)	14	7.6
<i>Peroryctes raffrayana</i>	Peroryctidae	R157 (right)	12.8	8.2
<i>Petaurus australis</i>	Petauridae	UNSWZ 455 (left)	17.7	6
<i>Petaurus australis</i>	Petauridae	UNSWZ 455 (right)	17.1	6
<i>Spilocuscus maculatus</i>	Phalangeridae	AR11383 (right)	25.1	15.9
<i>Trichosurus</i> sp.	Phalangeridae	no data (right)	28.1	11
<i>Nimbacinus dicksoni</i> <sup>†</sup>	Thylacinidae	QM F36357 (left)	25.1	18.7
<i>Yalara burchfieldi</i> <sup>†</sup>	Yaralidae	QM F16860 (right)	3.45	1.64
<i>Djarthia murgonensis</i> <sup>†</sup>	unknown	QM F36397, F36393 and F32322 (petrosal measurement); QM F31458 (M2 measurement)	3.8	1.81
<i>Thylacotinga bartholomaii</i> <sup>†</sup>	unknown	QM F16835	-	5.58