

Table S3. Stable carbon and oxygen isotope data ($\delta^{13}\text{C}$, $\delta^{18}\text{O}$) from the tooth enamel of Pleistocene kangaroos utilized in this study. See main text for explanation of climate zones (3). Tooth crowns were sampled across their entire length (bulk) or incrementally. Profile number refers to individual, incremental samples taken down the length of the tooth away from the worn edge. Third molars (M3) have been corrected for a slight age effect relative to fourth molars (M4), with $\epsilon_{\text{M4-M3}} = 0.4 \text{ ‰}$ (Table S4). Mx, molar from unknown tooth position; I1, first incisor.

Sample No.	Latitude (°S)	Longitude (°E)	Climate Zone	Species	Tooth	Profile no.	$\delta^{13}\text{C}$ PDB	$\delta^{18}\text{O}$ PDB
WAM 05.5.10	31.0	128.0	Arid	<i>Baringa</i> sp. nov. 1	M4	bulk	-12.5	2.9
WAM 05.5.17	31.0	128.0	Arid	<i>Baringa</i> sp. nov. 1	M4	bulk	-10.9	4.0
WAM 05.5.47	31.0	128.0	Arid	<i>Baringa</i> sp. nov. 1	M4	bulk	-9.5	3.6
WAM 05.5.59	31.0	128.0	Arid	<i>Baringa</i> sp. nov. 1	M4	bulk	-13.3	4.4
WAM 05.5.60	31.0	128.0	Arid	<i>Baringa</i> sp. nov. 1	M4	bulk	-9.0	2.1
WAM 05.5.38	31.0	128.0	Arid	<i>Baringasp.</i> nov. 2	M4	bulk	-11.9	3.5
WAM 05.5.5	31.0	128.0	Arid	<i>Baringasp.</i> nov. 2	M4	bulk	-13.1	2.3
WAM 02.7.15	31.0	128.0	Arid	<i>Congruus</i> sp. nov.	M4	bulk	-11.4	7.5
WAM 02.7.15	31.0	128.0	Arid	<i>Congruus</i> sp. nov.	M3	bulk	-9.9	8.8
WAM 02.7.26	31.0	128.0	Arid	<i>Congruus</i> sp. nov.	M3	bulk	-9.7	6.7
WAM 02.7.26	31.0	128.0	Arid	<i>Congruus</i> sp. nov.	M4	bulk	-9.6	7.6
WAM 03.5.6	31.0	128.0	Arid	<i>Congruus</i> sp. nov.	M4	bulk	-7.6	2.3
SAM A27720	32.3	142.3	Arid	<i>Macropus ferragus</i>	M4	bulk	-9.5	4.8
SAM A27920b	32.3	142.3	Arid	<i>Macropus ferragus</i>	M3	bulk	-2.8	4.0
SAM A27920c	32.3	142.3	Arid	<i>Macropus ferragus</i>	M3	bulk	-6.0	4.4
SAM P19475	32.8	138.3	Arid	<i>Macropus ferragus</i>	M3	bulk	-7.3	4.8
SAM P19494	32.8	138.3	Arid	<i>Macropus ferragus</i>	M4	bulk	-5.8	3.7
SAM P22493	32.8	138.3	Arid	<i>Macropus ferragus</i>	M4	bulk	-5.3	2.0
SAM P25067	28.4	137.7	Arid	<i>Macropus ferragus</i>	M3	bulk	-4.1	3.7
UCMP 53565	32.3	142.3	Arid	<i>Macropus ferragus</i>	M4	bulk	-5.2	3.5
UCMP 53568	32.3	142.3	Arid	<i>Macropus ferragus</i>	M4	bulk	-3.2	5.7
UCMP 53749	32.3	142.3	Arid	<i>Macropus ferragus</i>	M4	bulk	-7.3	3.4
UCMP 53754	32.3	142.3	Arid	<i>Macropus ferragus</i>	M4	bulk	-6.6	3.5
UCMP 53756	32.3	142.3	Arid	<i>Macropus ferragus</i>	M4	bulk	-8.0	3.6
UCMP 55959	32.3	142.3	Arid	<i>Macropus ferragus</i>	M4	bulk	-6.5	5.3
WAM 04.3.46	31.0	128.0	Arid	<i>Macropus ferragus</i>	M3	bulk	-11.0	-0.6
WAM 04.6.7	31.0	128.0	Arid	<i>Macropus ferragus</i>	M4	bulk	-10.2	-0.1
WAM 04.6.7	31.0	128.0	Arid	<i>Macropus ferragus</i>	M3	bulk	-9.1	0.6
WAM 05.4.59	31.0	128.0	Arid	<i>Macropus ferragus</i>	M3	bulk	-9.7	1.7
WAM 05.4.59	31.0	128.0	Arid	<i>Macropus ferragus</i>	M4	bulk	-9.1	0.1
WAM 05.4.60	31.0	128.0	Arid	<i>Macropus ferragus</i>	M3	bulk	-10.3	-0.9
WAM 04.3.45	31.0	128.0	Arid	<i>Macropus fuliginosus</i>	M3	bulk	-10.7	-0.1
WAM 04.3.55	31.0	128.0	Arid	<i>Macropus fuliginosus</i>	M4	bulk	-10.3	-2.5
SAM P19423	32.8	138.3	Arid	<i>Macropus robustus</i>	M4	bulk	-9.1	2.7
SAM A27920b	32.3	142.3	Arid	<i>Macropus robustus</i>	M4	bulk	-6.7	3.3
SAM P23167	32.8	138.7	Arid	<i>Macropus rufus</i>	M4	bulk	-2.5	0.4
WAM 04.6.4	31.0	128.0	Arid	<i>Macropus rufus</i>	M4	bulk	-12.6	0.2
WAM 04.6.4	31.0	128.0	Arid	<i>Macropus rufus</i>	M3	bulk	-10.0	0.6
WAM 05.4.61	31.0	128.0	Arid	<i>Macropus rufus</i>	M4	bulk	-9.8	2.1
WAM 05.4.61	31.0	128.0	Arid	<i>Macropus rufus</i>	M3	bulk	-8.8	1.5
WAM LHC unreg.	31.0	128.0	Arid	<i>Macropus</i> sp. nov.	M3	bulk	-12.9	-0.2

WAM LHC unreg.	31.0	128.0	Arid	<i>Macropus</i> sp. nov.	M3	bulk	-11.5	1.2
WAM LHC unreg.	31.0	128.0	Arid	<i>Macropus</i> sp. nov.	M4	bulk	-10.9	1.0
WAM 02.7.24	31.0	128.0	Arid	<i>Macropus</i> sp. nov.	M4	bulk	-10.2	3.0
WAM 03.12.2	31.0	128.0	Arid	<i>Macropus</i> sp. nov.	M4	bulk	-9.8	1.9
WAM 03.12.2	31.0	128.0	Arid	<i>Macropus</i> sp. nov.	M3	bulk	-9.1	0.9
WAM 05.4.68	31.0	128.0	Arid	<i>Macropus</i> sp. nov.	M3	bulk	-11.0	5.0
WAM 05.9.2	31.0	128.0	Arid	<i>Macropus</i> sp. nov.	M4	bulk	-11.9	4.3
WAM 05.9.2	31.0	128.0	Arid	<i>Macropus</i> sp. nov.	M3	bulk	-11.8	3.3
WAM 05.9.3	31.0	128.0	Arid	<i>Macropus</i> sp. nov.	M4	bulk	-11.5	2.0
SAM P23166	32.8	138.7	Arid	<i>Metasthenurus newtonae</i>	M4	bulk	-11.2	1.2
WAM 02.7.10	31.0	128.0	Arid	<i>Metasthenurus newtonae</i>	M3	bulk	-12.9	3.5
WAM 02.7.10	31.0	128.0	Arid	<i>Metasthenurus newtonae</i>	M4	bulk	-12.4	2.1
WAM 04.5.19	31.0	128.0	Arid	<i>Metasthenurus newtonae</i>	M3	bulk	-12.0	1.5
SAM A27710	32.3	142.3	Arid	<i>Procoptodon goliai</i>	M4	bulk	-4.5	0.8
SAM A27920a	32.0	142.0	Arid	<i>Procoptodon goliai</i>	M3	bulk	-3.4	0.7
SAM A27920a	32.0	142.0	Arid	<i>Procoptodon goliai</i>	M4	bulk	-3.1	0.7
SAM F.U.0233	31.2	140.4	Arid	<i>Procoptodon goliai</i>	M4	bulk	-2.1	2.6
SAM P13975	32.5	142.0	Arid	<i>Procoptodon goliai</i>	M4	bulk	-2.3	-0.8
SAM P14529	34.0	141.5	Arid	<i>Procoptodon goliai</i>	M4	bulk	-0.2	1.8
UCMP 45475	32.3	142.3	Arid	<i>Procoptodon goliai</i>	M4	bulk	-2.9	1.8
UCMP 53042	32.3	142.3	Arid	<i>Procoptodon goliai</i>	M4	bulk	-1.1	-3.0
UCMP 53052	32.3	142.3	Arid	<i>Procoptodon goliai</i>	M4	bulk	-7.6	2.1
UCMP 53053	32.3	142.3	Arid	<i>Procoptodon goliai</i>	M4	bulk	-0.5	-2.5
UCMP 55953	32.3	142.3	Arid	<i>Procoptodon goliai</i>	M4	bulk	-1.3	0.7
WAM 02.7.9	31.0	128.0	Arid	<i>Procoptodon goliai</i>	M4	bulk	-12.6	2.7
WAM 02.7.9	31.0	128.0	Arid	<i>Procoptodon goliai</i>	M3	bulk	-11.8	2.8
WAM 04.2.498	31.0	128.0	Arid	<i>'Procoptodon' browneorum</i>	M4	bulk	-11.2	2.8
WAM 04.2.498	31.0	128.0	Arid	<i>'Procoptodon' browneorum</i>	M3	bulk	-11.1	2.6
WAM 04.2.499	31.0	128.0	Arid	<i>'Procoptodon' browneorum</i>	M3	bulk	-11.2	2.7
WAM 04.2.500	31.0	128.0	Arid	<i>'Procoptodon' browneorum</i>	M3	bulk	-11.2	3.9
WAM 05.4.75	31.0	128.0	Arid	<i>'Procoptodon' williamsi</i>	M3	bulk	-8.7	0.1
UCMP 56807	27.9	137.9	Arid	<i>'Simosthenurus' pales</i>	M4	bulk	-10.6	0.8
WAM 03.5.18	31.0	128.0	Arid	<i>Sthenurus andersoni</i>	M4	bulk	-10.4	2.0
WAM 03.5.19	31.0	128.0	Arid	<i>Sthenurus andersoni</i>	M3	bulk	-10.6	3.5
WAM 03.5.19	31.0	128.0	Arid	<i>Sthenurus andersoni</i>	M4	bulk	-9.5	4.0
WAM 03.5.5	31.0	128.0	Arid	<i>Sthenurus andersoni</i>	M3	bulk	-11.9	3.4
WAM 03.5.5	31.0	128.0	Arid	<i>Sthenurus andersoni</i>	M4	bulk	-10.9	4.6
SAM P12882	29.7	140.1	Arid	<i>Sthenurus stirlingi</i>	M4	bulk	-9.9	6.3
UCMP 56471	28.4	137.7	Arid	<i>Sthenurus tindalei</i>	M3	bulk	-5.6	7.2
UCMP 56471	28.4	137.7	Arid	<i>Sthenurus tindalei</i>	M4	bulk	-5.6	9.4
WAM 02.7.25	31.0	128.0	Arid	<i>Sthenurus tindalei</i>	M4	bulk	-7.2	5.8
WAM 02.7.25	31.0	128.0	Arid	<i>Sthenurus tindalei</i>	M3	bulk	-6.4	5.3
WAM 04.5.15	31.0	128.0	Arid	<i>Sthenurus tindalei</i>	M4	bulk	-7.7	7.6
WAM 04.5.15	31.0	128.0	Arid	<i>Sthenurus tindalei</i>	M3	bulk	-7.2	6.0
WAM 70.1.19	27.2	150.8	Ss	<i>Macropus ferragus</i>	M3	bulk	-5.6	0.3
SAM P13198	32.9	150.0	Ss	<i>Macropus giganteus</i>	M4	bulk	-7.7	-0.5
SAM P13200	32.9	150.0	Ss	<i>Macropus giganteus</i>	M4	bulk	-8.3	-1.4
SAM DeVis#8157	27.2	150.8	Ss	<i>Macropus pan</i>	M4	bulk	-3.4	0.4
UCMP 88339	32.6	148.9	Ss	<i>Macropus</i> sp. indet.	M4	bulk	-0.6	-1.1
AM F88277	29.9	150.8	Ss	<i>Macropus titan</i>	M4	bulk	-6.6	-0.6
AM F88278	29.9	150.8	Ss	<i>Macropus titan</i>	M4	bulk	-11.0	-0.4
AM F88305	29.9	150.8	Ss	<i>Macropus titan</i>	M4	bulk	-9.2	-1.3
AM F88306	29.9	150.8	Ss	<i>Macropus titan</i>	M4	1	-10.7	-0.4

AM F88306	29.9	150.8	Ss	<i>Macropus titan</i>	M4	2	-10.7	0.0
AM F88306	29.9	150.8	Ss	<i>Macropus titan</i>	M4	3	-10.2	-0.5
AM F88306	29.9	150.8	Ss	<i>Macropus titan</i>	M4	4	-10.3	-0.9
AM F88415	29.9	150.8	Ss	<i>Macropus titan</i>	M4	bulk	-10.1	-1.0
AM F88417	29.9	150.8	Ss	<i>Macropus titan</i>	M4	bulk	-9.7	1.1
AM F88420	29.9	150.8	Ss	<i>Macropus titan</i>	M4	1	-9.5	-0.2
AM F88420	29.9	150.8	Ss	<i>Macropus titan</i>	M4	2	-10.1	-0.6
AM F88420	29.9	150.8	Ss	<i>Macropus titan</i>	M4	3	-10.0	-0.8
AM F88420	29.9	150.8	Ss	<i>Macropus titan</i>	M4	4	-10.3	-0.8
AM F88420	29.9	150.8	Ss	<i>Macropus titan</i>	M4	5	-10.4	-0.6
AM F88424	29.9	150.8	Ss	<i>Macropus titan</i>	M4	bulk	-7.1	0.8
AM F88433	29.9	150.8	Ss	<i>Macropus titan</i>	M4	bulk	-10.8	0.3
UCMP 53308	27.9	151.8	Ss	<i>Macropus titan</i>	M4	bulk	-7.4	1.0
UCMP 53316	27.9	151.8	Ss	<i>Macropus titan</i>	M4	bulk	-7.8	2.0
UCMP 53420	28.0	152.0	Ss	<i>Macropus titan</i>	M4	bulk	-7.9	0.9
UCMP 60063	29.9	150.8	Ss	<i>Macropus titan</i>	M4	bulk	-9.7	0.3
AM F101627	29.9	150.8	Ss	<i>Procoptodon goliah</i>	M4	bulk	-7.2	2.0
AM F101628	29.9	150.8	Ss	<i>Procoptodon goliah</i>	M4	bulk	-7.0	4.4
AM F101637	29.9	150.8	Ss	<i>Procoptodon goliah</i>	M4	bulk	-8.4	1.5
AM F101824	29.9	150.8	Ss	<i>Procoptodon goliah</i>	M4	bulk	-4.4	3.6
AM F102001	29.9	150.8	Ss	<i>Procoptodon goliah</i>	M4	1	-7.2	0.5
AM F102001	29.9	150.8	Ss	<i>Procoptodon goliah</i>	M4	2	-7.2	0.5
AM F102001	29.9	150.8	Ss	<i>Procoptodon goliah</i>	M4	3	-7.4	0.3
AM F102001	29.9	150.8	Ss	<i>Procoptodon goliah</i>	M4	4	-7.5	-0.3
AM F102001	29.9	150.8	Ss	<i>Procoptodon goliah</i>	M4	5	-7.2	-0.5
AM F105983	29.9	150.8	Ss	<i>Procoptodon goliah</i>	M4	1	-3.4	-5.1
AM F105983	29.9	150.8	Ss	<i>Procoptodon goliah</i>	M4	2	-3.2	1.2
AM F105983	29.9	150.8	Ss	<i>Procoptodon goliah</i>	M4	3	-3.0	1.0
AM F105983	29.9	150.8	Ss	<i>Procoptodon goliah</i>	M4	4	-2.8	0.9
AM F105983	29.9	150.8	Ss	<i>Procoptodon goliah</i>	M4	5	-2.6	1.1
AM F105983	29.9	150.8	Ss	<i>Procoptodon goliah</i>	M4	6	-3.0	2.4
QM F4457	27.2	150.8	Ss	<i>Procoptodon goliah</i>	M3	bulk	-8.7	0.2
QM F4457	27.2	150.8	Ss	<i>Procoptodon goliah</i>	M4	bulk	-8.2	0.6
QM F5471	27.4	151.6	Ss	<i>Procoptodon goliah</i>	M3	bulk	0.0	-0.7
QM F797	27.2	150.8	Ss	<i>Procoptodon goliah</i>	M3	bulk	-8.8	1.3
QM F797	27.2	150.8	Ss	<i>Procoptodon goliah</i>	M4	bulk	-8.0	1.7
UCMP 60023	29.9	150.8	Ss	<i>Procoptodon goliah</i>	M4	bulk	-4.2	0.3
UCMP 60024	29.9	150.8	Ss	<i>Procoptodon goliah</i>	M4	bulk	-6.6	-0.4
UCMP 60025	29.9	150.8	Ss	<i>Procoptodon goliah</i>	M4	bulk	-2.8	3.1
UCMP 60026	29.9	150.8	Ss	<i>Procoptodon goliah</i>	M4	bulk	-9.1	0.1
AM F101625	29.9	150.8	Ss	<i>Procoptodon goliah</i>	M4	bulk	-1.6	5.4
AM F88560	29.9	150.8	Ss	<i>Procoptodon pusio</i>	M4	bulk	-12.4	0.4
AM F88567	29.9	150.8	Ss	<i>Procoptodon pusio</i>	M4	1	-10.7	1.1
AM F88567	29.9	150.8	Ss	<i>Procoptodon pusio</i>	M4	2	-10.3	0.4
AM F88567	29.9	150.8	Ss	<i>Procoptodon pusio</i>	M4	3	-10.7	0.5
AM F88567	29.9	150.8	Ss	<i>Procoptodon pusio</i>	M4	4	-11.3	0.8
AM F88569	29.9	150.8	Ss	<i>Procoptodon pusio</i>	M4	1	-11.0	1.0
AM F88569	29.9	150.8	Ss	<i>Procoptodon pusio</i>	M4	2	-11.2	0.6
AM F88569	29.9	150.8	Ss	<i>Procoptodon pusio</i>	M4	3	-11.3	0.7
AM F88570	29.9	150.8	Ss	<i>Procoptodon pusio</i>	M4	bulk	-9.2	-0.9
AM F88576	29.9	150.8	Ss	<i>Procoptodon pusio</i>	M4	bulk	-6.1	3.2
AM F88577	29.9	150.8	Ss	<i>Procoptodon pusio</i>	M4	bulk	-6.6	2.9
AM F88585	29.9	150.8	Ss	<i>Procoptodon pusio</i>	M4	bulk	-7.8	3.2

AM F89070	29.9	150.8	Ss	<i>Procoptodon pusio</i>	M4	bulk	-10.0	1.1
AM F89073	29.9	150.8	Ss	<i>Procoptodon pusio</i>	M4	bulk	-4.6	3.3
QM F2982	27.9	151.9	Ss	<i>Procoptodon pusio</i>	M3	bulk	-9.4	-0.2
QM F2982	27.9	151.9	Ss	<i>Procoptodon pusio</i>	M4	bulk	-8.6	1.2
QM F2986	27.2	150.8	Ss	<i>Procoptodon pusio</i>	M3	bulk	-4.0	-1.4
QM F4468	27.2	150.8	Ss	<i>Procoptodon pusio</i>	M4	bulk	-8.6	-0.9
QM F4468	27.2	150.8	Ss	<i>Procoptodon pusio</i>	M3	bulk	-7.4	1.2
AM F101791	29.9	150.8	Ss	<i>Procoptodon rapha</i>	M4	bulk	-9.3	0.2
AM F102002	29.9	150.8	Ss	<i>Procoptodon rapha</i>	M4	bulk	-8.7	1.3
AM F102210	29.9	150.8	Ss	<i>Procoptodon rapha</i>	M4	bulk	-8.9	-1.2
AM F102214	29.9	150.8	Ss	<i>Procoptodon rapha</i>	M4	bulk	-8.3	0.3
AM F102219	29.9	150.8	Ss	<i>Procoptodon rapha</i>	M4	bulk	-9.4	0.8
AM F102228	29.9	150.8	Ss	<i>Procoptodon rapha</i>	M4	1	-8.3	-0.8
AM F102228	29.9	150.8	Ss	<i>Procoptodon rapha</i>	M4	2	-7.8	-0.6
AM F102228	29.9	150.8	Ss	<i>Procoptodon rapha</i>	M4	3	-6.7	-1.1
AM F102228	29.9	150.8	Ss	<i>Procoptodon rapha</i>	M4	4	-7.0	-0.3
AM F102228	29.9	150.8	Ss	<i>Procoptodon rapha</i>	M4	5	-8.1	-1.0
AM F102235	29.9	150.8	Ss	<i>Procoptodon rapha</i>	M4	1	-10.7	0.5
AM F102235	29.9	150.8	Ss	<i>Procoptodon rapha</i>	M4	2	-10.1	0.5
AM F102235	29.9	150.8	Ss	<i>Procoptodon rapha</i>	M4	3	-10.3	0.7
AM F102235	29.9	150.8	Ss	<i>Procoptodon rapha</i>	M4	4	-10.5	1.2
AM F102235	29.9	150.8	Ss	<i>Procoptodon rapha</i>	M4	5	-10.8	0.5
AM F102235	29.9	150.8	Ss	<i>Procoptodon rapha</i>	M4	6	-12.0	1.7
QM F796	27.2	150.8	Ss	<i>Procoptodon rapha</i>	M4	bulk	-10.0	0.9
QM F796	27.2	150.8	Ss	<i>Procoptodon rapha</i>	M3	bulk	-6.7	0.2
QM F798	27.2	150.8	Ss	<i>Procoptodon rapha</i>	M3	bulk	-11.8	1.1
QM F798	27.2	150.8	Ss	<i>Procoptodon rapha</i>	M4	bulk	-10.3	-2.4
QM F803	27.2	150.8	Ss	<i>Procoptodon rapha</i>	M3	bulk	-9.3	1.4
QM F803	27.2	150.8	Ss	<i>Procoptodon rapha</i>	M4	bulk	-7.5	2.7
UCMP 57385	32.6	148.9	Ss	<i>Procoptodon rapha</i>	M4	bulk	-6.1	-0.1
UCMP 60049	29.9	150.8	Ss	<i>Procoptodon rapha</i>	M4	bulk	-7.7	0.6
UCMP 57373	32.6	148.9	Ss	<i>Sthenurus atlas</i>	M4	bulk	-14.9	-3.4
SAM DeVis#11139	27.2	150.8	Ss	<i>Troposodon minor</i>	M4	bulk	-4.2	0.3
UCMP 45149	32.5	149.0	Ss	<i>Troposodon minor</i>	M4	bulk	-9.4	-0.4
UCMP 45192	32.5	149.0	Ss	<i>Troposodon minor</i>	M3	bulk	-10.1	-3.0
UCMP 53492	27.9	151.8	Ss	<i>Troposodon minor</i>	M3	bulk	-7.0	-0.2
SAM P18261	35.1	137.6	Tw	<i>Macropus ferragus</i>	M4	bulk	-10.0	-1.2
SAM P34805	35.4	138.3	Tw	<i>Macropus ferragus</i>	M3	bulk	-12.3	0.5
SAM P34805	35.4	138.3	Tw	<i>Macropus ferragus</i>	M4	bulk	-11.7	-1.5
SAM P18891	35.1	137.6	Tw	<i>Macropus fuliginosus</i>	M4	bulk	-11.7	-0.9
SAM FU1947	37.0	140.8	Tw	<i>Macropus giganteus</i>	M3	bulk	-12.5	-1.3
SAM P32610	37.0	140.8	Tw	<i>Macropus giganteus</i>	M3	bulk	-11.4	0.2
SAM P32611	37.0	140.8	Tw	<i>Macropus giganteus</i>	M3	bulk	-11.8	-1.2
SAM P32687	37.0	140.8	Tw	<i>Macropus giganteus</i>	M3	bulk	-13.0	-1.0
SAM P32831	37.0	140.8	Tw	<i>Macropus giganteus</i>	M4	bulk	-10.4	-1.5
SAM P32832	37.0	140.8	Tw	<i>Macropus giganteus</i>	M3	bulk	-12.9	0.7
SAM P32832	37.0	140.8	Tw	<i>Macropus giganteus</i>	M4	bulk	-11.5	-0.2
SAM FU CCB1-C-1	37.0	140.8	Tw	<i>Macropus giganteus</i>	M4	bulk	-11.4	-0.4
SAM FU CCB1-D-1	37.0	140.8	Tw	<i>Macropus giganteus</i>	M4	bulk	-11.6	-0.2
SAM FU CCB2-B-1	37.0	140.8	Tw	<i>Macropus giganteus</i>	M4	bulk	-11.5	-1.3
SAM FU CCB2-C-1	37.0	140.8	Tw	<i>Macropus giganteus</i>	M4	bulk	-12.1	-2.5
SAM FU1945	37.0	140.8	Tw	<i>Macropus giganteus</i>	M3	bulk	-12.0	-0.6
SAM FU1953	37.0	140.8	Tw	<i>Macropus giganteus</i>	M3	bulk	-12.0	-0.5

SAM FU1953	37.0	140.8	Tw	<i>Macropus giganteus</i>	M4	bulk	-11.8	-0.7
SAM FU1959	37.0	140.8	Tw	<i>Macropus giganteus</i>	M3	bulk	-13.1	0.2
SAM FU1965	37.0	140.8	Tw	<i>Macropus giganteus</i>	M3	bulk	-11.5	-1.9
SAM FU1981	37.0	140.8	Tw	<i>Macropus giganteus</i>	M3	bulk	-12.0	-0.6
SAM FU1981	37.0	140.8	Tw	<i>Macropus giganteus</i>	M4	bulk	-10.2	-1.5
SAM FU0311	37.0	140.8	Tw	<i>Macropus giganteus</i>	M4	bulk	-10.0	0.0
SAM HFC unreg.-1	37.0	141.0	Tw	<i>Macropus giganteus</i>	M4	bulk	-11.3	-1.1
SAM HFC unreg.-2	37.0	141.0	Tw	<i>Macropus giganteus</i>	M4	bulk	-12.8	0.4
SAM HFC unreg.-3	37.0	141.0	Tw	<i>Macropus giganteus</i>	M4	bulk	-10.5	-0.8
SAM HFC unreg.-4	37.0	141.0	Tw	<i>Macropus giganteus</i>	M4	bulk	-12.4	1.3
SAM P17574	37.0	141.0	Tw	<i>Macropus giganteus</i>	M4	bulk	-10.9	-0.5
SAM P25048	37.0	140.8	Tw	<i>Macropus giganteus</i>	M4	bulk	-10.2	-0.5
SAM P25620	37.0	140.8	Tw	<i>Macropus giganteus</i>	M4	bulk	-12.1	0.2
SAM P32640	37.0	140.8	Tw	<i>Macropus giganteus</i>	M3	bulk	-11.1	-0.6
SAM P32810	37.0	140.8	Tw	<i>Macropus giganteus</i>	M3	bulk	-11.6	-1.5
SAM P32810	37.0	140.8	Tw	<i>Macropus giganteus</i>	M4	bulk	-10.7	-1.7
SAM P32811	37.0	140.8	Tw	<i>Macropus giganteus</i>	M3	bulk	-11.3	-0.8
SAM FU CCB4-D	37.0	140.8	Tw	<i>Macropus giganteus</i>	M4	bulk	-11.2	-1.1
SAM P32609	37.0	140.8	Tw	<i>Macropus greyi</i>	M3	bulk	-12.7	1.7
SAM P32819	37.0	140.8	Tw	<i>Macropus greyi</i>	M4	bulk	-12.3	2.0
SAM P32821	37.0	140.8	Tw	<i>Macropus greyi</i>	M3	bulk	-12.4	-0.8
SAM FU CCB3-H	37.0	140.8	Tw	<i>Macropus greyi</i>	M3	bulk	-16.0	-1.9
SAM FU CCB3c-H1	37.0	140.8	Tw	<i>Macropus rufogriseus</i>	M4	bulk	-11.5	-0.3
SAM FU CCB3c-H2	37.0	140.8	Tw	<i>Macropus rufogriseus</i>	M4	bulk	-11.4	0.2
SAM FU1958	37.0	140.8	Tw	<i>Macropus rufogriseus</i>	M3	bulk	-13.9	0.0
SAM P32803	37.0	140.8	Tw	<i>Macropus rufogriseus</i>	M4	bulk	-13.7	0.2
SAM P32804	37.0	140.8	Tw	<i>Macropus rufogriseus</i>	M3	bulk	-13.6	1.5
SAM P32804	37.0	140.8	Tw	<i>Macropus rufogriseus</i>	M4	bulk	-13.0	1.5
SAM P32828	37.0	140.8	Tw	<i>Macropus rufogriseus</i>	M3	bulk	-13.7	0.3
SAM P32828	37.0	140.8	Tw	<i>Macropus rufogriseus</i>	M4	bulk	-13.0	2.0
SAM P32843	37.0	140.8	Tw	<i>Macropus rufogriseus</i>	M3	bulk	-13.0	1.1
SAM P32843	37.0	140.8	Tw	<i>Macropus rufogriseus</i>	M4	bulk	-11.4	0.0
SAM P32863	37.0	140.8	Tw	<i>Macropus rufogriseus</i>	M3	bulk	-11.9	0.3
SAM P32864	37.0	140.8	Tw	<i>Macropus rufogriseus</i>	M3	bulk	-13.0	-1.3
SAM FU CCB2b-D	37.0	140.8	Tw	<i>Macropus rufogriseus</i>	M3	bulk	-13.0	0.1
SAM FU CCB2b-D	37.0	140.8	Tw	<i>Macropus rufogriseus</i>	M4	bulk	-11.8	0.0
SAM FU CCB3-G-A	37.0	140.8	Tw	<i>Macropus rufogriseus</i>	M3	bulk	-13.5	0.8
SAM FU CCB3-G-B	37.0	140.8	Tw	<i>Macropus rufogriseus</i>	M4	bulk	-12.6	0.5
SAM P32822	37.0	140.8	Tw	<i>Macropus rufogriseus</i>	M4	bulk	-13.2	0.8
SAM FU CC2C-1	37.0	140.8	Tw	<i>Macropus sp. nov.</i>	M4	bulk	-11.8	-1.3
SAM FU CC387	37.0	140.8	Tw	<i>Macropus sp. nov.</i>	M4	bulk	-11.9	0.5
SAM P20347	37.0	141.0	Tw	<i>Macropus sp. nov.</i>	M3	bulk	-12.5	-1.1
SAM P27176	37.0	140.8	Tw	<i>Macropus sp. nov.</i>	M3	bulk	-13.4	-0.3
NMV P212983	37.3	144.7	Tw	<i>Macropus titan</i>	M4	bulk	-10.3	-2.7
NMV P212984	37.3	144.7	Tw	<i>Macropus titan</i>	M4	bulk	-13.6	-2.7
NMV P212985	37.3	144.7	Tw	<i>Macropus titan</i>	M4	bulk	-12.8	-1.7
NMV P212986	37.3	144.7	Tw	<i>Macropus titan</i>	M4	bulk	-12.6	-2.9
NMV P212987	37.3	144.7	Tw	<i>Macropus titan</i>	M4	bulk	-12.9	-3.4
NMV P212989	37.3	144.7	Tw	<i>Macropus titan</i>	M4	bulk	-13.0	-1.2
NMV P212991	37.3	144.7	Tw	<i>Macropus titan</i>	M4	bulk	-12.6	-3.7
SAM FU0500	37.0	140.8	Tw	<i>Macropus titan</i>	M4	bulk	-10.4	-1.3
SAM FU0501	37.0	140.8	Tw	<i>Macropus titan</i>	M4	bulk	-10.7	-0.4
SAM FU0293	37.0	140.8	Tw	<i>Metasthenurus newtonae</i>	M4	bulk	-11.6	-0.9

SAM P16633	37.0	140.8	Tw	<i>Metasthenurus newtonae</i>	M4	bulk	-13.5	-2.3
SAM P20243	37.0	140.8	Tw	<i>Metasthenurus newtonae</i>	M4	bulk	-12.2	-2.1
SAM P28149	37.0	140.8	Tw	<i>Metasthenurus newtonae</i>	M4	bulk	-12.5	-1.4
SAM P32830	37.0	140.8	Tw	<i>Metasthenurus newtonae</i>	M3	bulk	-14.5	-2.7
SAM P38789	37.0	141.0	Tw	<i>Metasthenurus newtonae</i>	M4	bulk	-11.1	-0.8
SAM P40112	37.0	141.0	Tw	<i>Metasthenurus newtonae</i>	M4	bulk	-12.4	-2.3
SAM FU CCB3-H	37.0	140.8	Tw	<i>Metasthenurus newtonae</i>	M3	bulk	-13.6	-2.7
SAM FU1067	37.0	140.8	Tw	<i>Procoptodon goliah</i>	M3	bulk	-2.9	-0.3
SAM FU0078	37.0	140.8	Tw	<i>Procoptodon goliah</i>	M4	bulk	-4.1	-0.1
SAM P11551	33.3	138.9	Tw	<i>Procoptodon goliah</i>	M4	bulk	-1.2	1.1
SAM P16691	37.0	140.8	Tw	<i>Procoptodon goliah</i>	M4	bulk	-4.6	-0.5
SAM P18392	33.2	138.0	Tw	<i>Procoptodon goliah</i>	M3	bulk	-3.2	0.5
SAM P18392	33.2	138.0	Tw	<i>Procoptodon goliah</i>	M4	bulk	-1.6	0.5
SAM P185	33.1	134.3	Tw	<i>Procoptodon goliah</i>	M4	bulk	-3.2	-1.9
SAM P20490	37.0	140.8	Tw	<i>Procoptodon goliah</i>	M4	bulk	-8.0	-0.9
SAM P32643	37.0	140.8	Tw	<i>Procoptodon goliah</i>	M3	bulk	-7.1	-1.3
SAM P32851	37.0	140.8	Tw	<i>Procoptodon goliah</i>	M4	bulk	-6.5	-0.5
SAM P32851	37.0	140.8	Tw	<i>Procoptodon goliah</i>	M3	bulk	-5.5	0.0
SAM P40080	37.0	141.0	Tw	<i>Procoptodon goliah</i>	M3	bulk	-2.5	1.7
SAM P40080	37.0	141.0	Tw	<i>Procoptodon goliah</i>	M4	bulk	-1.6	1.1
SAM FU Komatsu-1	37.0	141.0	Tw	<i>Procoptodon goliah</i>	M4	bulk	-2.2	-0.4
SAM FU Komatsu-2	37.0	141.0	Tw	<i>Procoptodon goliah</i>	M3	bulk	-5.4	-0.1
SAM P31045	37.0	141.0	Tw	<i>Procoptodon rapha</i>	M4	bulk	-10.1	-1.3
SAM FU1954	37.0	140.8	Tw	<i>'Procoptodon' browneorum</i>	M3	bulk	-12.8	2.0
SAM FU CC2B-1	37.0	140.8	Tw	<i>'Procoptodon' browneorum</i>	M4	bulk	-12.8	0.1
SAM P32663	37.0	140.8	Tw	<i>'Procoptodon' browneorum</i>	M3	bulk	-14.1	0.6
SAM P32812	37.0	140.8	Tw	<i>'Procoptodon' browneorum</i>	M3	bulk	-13.9	1.7
SAM P32857	37.0	140.8	Tw	<i>'Procoptodon' browneorum</i>	M3	bulk	-15.3	2.6
SAM P32857	37.0	140.8	Tw	<i>'Procoptodon' browneorum</i>	M4	bulk	-14.1	0.6
SAM P32894	37.0	140.8	Tw	<i>'Procoptodon' browneorum</i>	M4	bulk	-12.1	1.1
SAM FU CCB4-A	37.0	140.8	Tw	<i>'Procoptodon' browneorum</i>	M4	bulk	-12.3	1.3
SAM FU CCB3c-H3	37.0	140.8	Tw	<i>'Procoptodon' gilli</i>	M4	bulk	-12.2	-1.1
SAM P32841	37.0	140.8	Tw	<i>'Procoptodon' gilli</i>	M3	bulk	-13.9	-0.3
SAM P32603	37.0	140.8	Tw	<i>'Procoptodon' gilli</i>	M4	bulk	-13.7	-0.8
SAM P32604	37.0	140.8	Tw	<i>'Procoptodon' gilli</i>	M3	bulk	-14.3	-0.1
SAM P32628	37.0	140.8	Tw	<i>'Procoptodon' gilli</i>	M3	bulk	-13.0	-0.5
SAM P32654	37.0	140.8	Tw	<i>'Procoptodon' gilli</i>	M3	bulk	-15.1	2.1
SAM P32682	37.0	140.8	Tw	<i>'Procoptodon' gilli</i>	M4	bulk	-14.2	0.6
SAM P32837	37.0	140.8	Tw	<i>'Procoptodon' gilli</i>	M3	bulk	-14.9	0.6
SAM P32837	37.0	140.8	Tw	<i>'Procoptodon' gilli</i>	M4	bulk	-13.6	-0.5
SAM FU CCB2b-C	37.0	140.8	Tw	<i>'Procoptodon' gilli</i>	M4	bulk	-13.2	0.4
SAM FU CCB2-B-4	37.0	140.8	Tw	<i>'Procoptodon' gilli</i>	M4	bulk	-12.6	0.1
SAM FU CCB2-C-3	37.0	140.8	Tw	<i>'Procoptodon' gilli</i>	M4	bulk	-13.7	1.8
SAM FU1964	37.0	140.8	Tw	<i>'Procoptodon' gilli</i>	M4	bulk	-12.8	-0.3
SAM FU1964	37.0	140.8	Tw	<i>'Procoptodon' gilli</i>	M3	bulk	-12.2	-2.2
SAM P32614	37.0	140.8	Tw	<i>'Procoptodon' gilli</i>	M3	bulk	-13.4	-0.3
SAM P32806	37.0	140.8	Tw	<i>'Procoptodon' gilli</i>	M4	bulk	-14.3	0.8
SAM P32806	37.0	140.8	Tw	<i>'Procoptodon' gilli</i>	M3	bulk	-13.6	0.7
SAM FU CCB2-G-1	37.0	140.8	Tw	<i>Simosthenurus maddocki</i>	M4	bulk	-11.8	0.0
SAM P32612	37.0	140.8	Tw	<i>Simosthenurus maddocki</i>	M3	bulk	-14.9	0.3
SAM P32796	37.0	140.8	Tw	<i>Simosthenurus maddocki</i>	M4	bulk	-14.2	-0.7
SAM FU CCB2-A-1	37.0	140.8	Tw	<i>Simosthenurus occidentalis</i>	M4	bulk	-12.5	-0.3
SAM P32615	37.0	140.8	Tw	<i>Simosthenurus occidentalis</i>	M3	bulk	-13.4	0.2

SAM P32797	37.0	140.8	Tw	<i>Simosthenurus occidentalis</i>	M3	bulk	-13.9	-1.1
SAM P32797	37.0	140.8	Tw	<i>Simosthenurus occidentalis</i>	M4	bulk	-12.7	-0.6
SAM FU0377	37.0	140.8	Tw	' <i>Simosthenurus</i> ' <i>pales</i>	M4	bulk	-10.3	-1.2
SAM P32318	37.0	141.0	Tw	' <i>Simosthenurus</i> ' <i>pales</i>	M4	bulk	-10.8	-1.5
SAM P40109	37.0	141.0	Tw	' <i>Simosthenurus</i> ' <i>pales</i>	M4	bulk	-9.9	-1.2
SAM P40110	37.0	141.0	Tw	' <i>Simosthenurus</i> ' <i>pales</i>	M4	bulk	-11.7	-0.9
SAM FU1427	37.0	140.8	Tw	<i>Sthenurus andersoni</i>	M4	bulk	-12.2	-1.9
SAM P20491	37.0	140.8	Tw	<i>Sthenurus andersoni</i>	M4	bulk	-11.7	-0.7
SAM P20643	37.0	140.8	Tw	<i>Sthenurus andersoni</i>	M4	bulk	-12.1	1.4
SAM P28284	37.0	140.8	Tw	<i>Sthenurus andersoni</i>	M4	bulk	-9.4	-1.4
SAM P31990	37.0	141.0	Tw	<i>Sthenurus andersoni</i>	M4	bulk	-10.1	-0.8
SAM P40113	37.0	141.0	Tw	<i>Sthenurus andersoni</i>	M4	bulk	-11.2	0.9
SAM P40115	37.0	141.0	Tw	<i>Sthenurus andersoni</i>	M4	bulk	-11.1	-0.8
SAM P40116	37.0	141.0	Tw	<i>Sthenurus andersoni</i>	M4	bulk	-11.6	-1.3
SAM P40106	33.2	138.0	Tw	<i>Sthenurus stirlingi</i>	M4	bulk	-7.9	1.4
SAM P36623	34.2	138.0	Tw	<i>Sthenurus tindalei</i>	M4	bulk	-7.4	3.7
SAM FU1977	37.0	140.8	Tw	<i>Wallabia bicolor</i>	M3	bulk	-11.4	0.6
SAM FU0235	37.0	140.8	Tw	<i>Wallabia bicolor</i>	M4	bulk	-11.6	-0.4
SAM FU0352	37.0	140.8	Tw	<i>Wallabia bicolor</i>	M4	bulk	-10.7	-1.2
SAM FU1101	37.0	140.8	Tw	<i>Wallabia bicolor</i>	M4	bulk	-11.2	-0.3
SAM Fox Cave-1	37.0	141.0	Tw	<i>Wallabia bicolor</i>	M4	bulk	-9.4	-0.2
SAM P32847	37.0	140.8	Tw	<i>Wallabia bicolor</i>	M3	bulk	-10.7	1.5
SAM FU CCB3-G	37.0	140.8	Tw	<i>Wallabia bicolor</i>	M3	bulk	-12.6	1.7
SAM FU CCB3-G	37.0	140.8	Tw	<i>Wallabia bicolor</i>	M4	bulk	-11.4	-0.8
SAM HFC unreg.-5	37.0	141.0	Tw	<i>Wallabia bicolor</i>	M4	bulk	-10.2	-0.3
SAM HFC unreg.-6	37.0	141.0	Tw	<i>Wallabia bicolor</i>	M4	bulk	-11.1	-1.6
SAM P18787	37.0	141.0	Tw	<i>Wallabia bicolor</i>	M4	bulk	-9.5	0.0