

**APPENDIX E: STABLE LIGHT ISOTOPE DATA FOR MODERN FAUNA
FROM NORTHERN LIMPOPO PROVINCE AND NORTHEASTERN BOTSWANA**

Table E.1: Individual bone collagen (bcol) and enamel biapatite (bap) stable light isotope data for modern fauna

UCT Lab No.	Species	Element	$\delta^{13}\text{C}$ (‰) bcol	$\delta^{15}\text{N}$ (‰) bcol	Tooth Sample	$\delta^{13}\text{C}$ (‰) bap	$\delta^{18}\text{O}$ (‰) bap
MARS							
7423	<i>Ovis/Capra</i>	Mandible	-9.5	8.9	Serial Mean	0.9±2.5	0.6±1.0
7424	<i>Ovis/Capra</i>	Mandible	-12.9	10.6	Serial Mean	-3.0±1.9	0.9±2.4
7429	<i>Ovis/Capra</i>	Mandible	-9.6	6.6	Serial Mean	-1.2±0.5	-4.1±1.0
7430	<i>Ovis/Capra</i>	Mandible	-11.7	9.3	Serial Mean	-1.8±0.3	2.7±2.0
7425	<i>Bos taurus</i>	Mandible	-11.8	9.7	Serial Mean	-2.4±1.6	-2.6±1.6
7426	<i>Bos taurus</i>	Mandible	-11.6	8.7	Serial Mean	-2.2±0.9	0.9±1.8
7431	<i>Bos taurus</i>	Mandible	-10.7	9.6	Serial Mean	-2.2±1.2	-2.0±1.2
7432	<i>Bos taurus</i>	Mandible	-9.7	6.1	Serial Mean	-0.1±0.1	-3.4±2.2
7433	<i>Bos taurus</i>	Mandible	-11.0	6.9	Serial Mean	-2.5±1.6	-2.2±1.8
7434	<i>Bos taurus</i>	Mandible	-9.1	7.9	Serial Mean	0.9±1.0	-1.8±2.2
7435	<i>Bos taurus</i>	Mandible	-10.5	7.7	Serial Mean	-3.1±1.1	0.9±1.0
7436	<i>Bos taurus</i>	Mandible	-9.3	7.6			
7427	<i>Equus sp.</i>	Mandible	-11.5	7.3			
7428	<i>Equus sp.</i>	Mandible	-13.3	6.7			
Langjaan							
7291	<i>Aepyceros melampus</i>	Mandible	-12.3	11.5	Serial Mean	-3.4±1.7	5.3±1.4
7419	<i>Oryx gazella</i>	Skull	-11.4	10.0	Serial Mean	-0.3±0.9	0.6±2.5
7420	<i>Alcelaphus buselaphus</i>	Mandible	-8.6	10.7	Serial Mean	0.5±1.5	0.8±0.4
Venetia							
7200	<i>Aepyceros melampus</i>	Mandible	-17.2	10.6	Serial Mean	-6.7±0.6	2.3±2.1
7201	<i>Aepyceros melampus</i>	Mandible	-15.8	9.0	Serial Mean	-6.6±2.2	2.9±2.5
7202	<i>Aepyceros melampus</i>	Mandible	-17.1	10.4	Serial Mean	-6.4±1.7	4.5±1.3
7203	<i>Aepyceros melampus</i>	Mandible	-15.9	10.8	Serial Mean	-6.1±1.3	4.3±1.5
7204	<i>Aepyceros melampus</i>	Mandible	-16.1	11.5	Serial Mean	-9.1±0.7	3.9±1.4
7205	<i>Aepyceros melampus</i>	Mandible	-16.3	10.5	Serial Mean	-5.5±3.1	2.0±1.0
7206	<i>Aepyceros melampus</i>	Mandible			Serial Mean	-4.3±1.2	0.1±2.2
7207	<i>Aepyceros melampus</i>	Mandible	-15.6	9.7	Serial Mean	-5.0±0.9	3.4±1.3
7208	<i>Aepyceros melampus</i>	Mandible			Serial Mean	-7.8±0.3	2.5±3.2

Table E.1 con't.

Venetia con't.							
7212	<i>Aepyceros melampus</i>	Mandible			M3	-5.0	2.1
7217	<i>Aepyceros melampus</i>	Mandible			Serial Mean	-5.4±0.5	2.8±0.6
7218	<i>Aepyceros melampus</i>	Mandible			Serial Mean	-5.2±0.8	4.8±1.4
7219	<i>Aepyceros melampus</i>	Mandible			M1	-5.7	3.0
7284	<i>Connochates taurinus</i>	Mandible	-9.8	12.5	Serial Mean	0.0±1.1	3.5±1.0
7285	<i>Connochates taurinus</i>	Mandible	-10.3	11.4	Serial Mean	-1.4±0.9	3.7±2.2
7286	<i>Connochates taurinus</i>	Mandible	-10.9	10.4	Serial Mean	0.0±1.1	3.5±1.0
7287	<i>Connochates taurinus</i>	Mandible	-11.6	10.4	Serial Mean	-0.8±1.5	3.4±2.5
7260	<i>Connochates taurinus</i>	Mandible	-10.9	10.2	Serial Mean	-0.9±1.3	3.2±3.2
Balerno							
7289	<i>Bos taurus</i>	Mandible	-15.3	10.3			
Riedel							
7789	<i>Aepyceros melampus</i>	Mandible	-13.0	9.1	Serial Mean	-5.4±1.4	2.4±0.9
7790	<i>Aepyceros melampus</i>	Skull	-15.3	9.5			
7791	<i>Aepyceros melampus</i>	Skull	-14.9	12.3			
7792	<i>Aepyceros melampus</i>	Mandible	-17.3	9.4	Serial Mean	-9.0±1.5	2.5±0.9
7793	<i>Aepyceros melampus</i>	Mandible	-15.3	10.5	Serial Mean	-5.5±1.8	2.6±1.0
7794	<i>Aepyceros melampus</i>	Mandible	-13.0	11.9	Serial Mean	-5.4±1.2	2.8±1.9
Tuscanen							
7786	<i>Connochates taurinus</i>	Mandible	-8.9	14.3			
Den Staat							
7607	<i>Connochates taurinus</i>	Mandible	-11.0	14.5	Serial Mean	0.6±1.1	4.8±0.9
7784	<i>Equus quagga</i>	Rib	-10.4	9.8			
7785	<i>Equus quagga</i>	Skull	-9.7	11.1	Serial Mean	-1.5±1.3	2.0±1.6
7418	<i>Equus quagga</i>	Mandible	-10.1	11.4			

Table E.1 con't.

Mara							
7421	<i>Giraffe</i>	Mandible	-20.0	10.8	Serial Mean	-13.8±1.2	5.3±1.5
7422	<i>Kudu</i>	Mandible	-20.4	9.8	Serial Mean	-11.8±1.5	3.2±1.3
7436	<i>Duiker</i>	Mandible	-21.5	9.4	Serial Mean	-15.4±0.9	-1.3±0.6
SLRB							
7119	<i>Equus quaaga</i>	Mandible	-21.1	9.6	Serial Mean	-12.3±0.8	-2.4±1.0
Mashatu							
8058	<i>Aepyceros melampus</i>	Mandible				-9.4±2.3	3.6±.01
8059	<i>Aepyceros melampus</i>	Mandible			M3	1.8	1.6
8060	<i>Aepyceros melampus</i>	Mandible			M3	-5	2.7
8061	<i>Aepyceros melampus</i>	Mandible			M2	-5.8	2.3
8062	<i>Aepyceros melampus</i>	Mandible			Serial Mean	-4.7±1.5	3.1±1.7
8063	<i>Aepyceros melampus</i>	Mandible			M2	-8.8	4.2
8064	<i>Aepyceros melampus</i>	Mandible			Serial Mean	-5.0±0.7	2.4±1.7
8065	<i>Connochates taurinus</i>	Mandible			Serial Mean	1.5±0.3	1.6±1.9
8066	<i>Equus quaaga</i>	Mandible			M3	-4.9	-1.2