Table S1a. $\delta^{13}C$ and $\delta^{15}N$ values of cereal and pulse grains from Neolithic and Bronze Age Knossos

AGRICURB ID	Excavation Sample No.	Room	Trench	Level	Date	Common name	Latin name	No. seeds	Runfile C	%C	$\delta^{13}C$ raw	$\delta^{13}C$ (VPDB)	$\delta^{13}C$ (-0.11‰ charring offset)	$\delta^{13}C$ sd	Runfile N	%N	$\delta^{15}N$ raw	$\delta^{15}N$ (AIR)	$\delta^{15}N$ sd	$\delta^{15}N$ (-0.31‰ charring offset)	C/N	TPQ	TAQ	dair	$\Delta^{13}C$	Source for $\delta^{13}C$ values	Source for $\delta^{15}N$ values
KNN001	n/a	n/a	AC	n/a	IN	Free-threshing wheat	*Triticum aestivum/durum*	10	150206B	49.65	-23.1	-23.4	-23.29	0.13	150324B	3.22	5.4	5.5	0.08	5.19	17.99	-6640	-6460	-6.48	17.4	Nitsch et al. 2019	Nitsch et al. 2019
KNN002	n/a	n/a	AC	n/a	IN	Free-threshing wheat	*Triticum aestivum/durum*	10	150206B	49.2	-22.8	-23.2	-23.09	0.12	150324B	3.06	5.7	5.7	0.08	5.39	18.79	-6640	-6460	-6.48	17.1	Nitsch et al. 2019	Nitsch et al. 2019
KNN003	n/a	n/a	AC	n/a	IN	Lentil	*Lens culinaris*	10	150207A	43.44	-22.7	-23.3	-23.19	0.63	150327B	5.88	1.6	1.8	0.24	1.49	8.62	-6640	-6460	-6.48	17.2	Nitsch et al. 2019	Nitsch et al. 2019
KNN004	n/a	n/a	AC	n/a	IN	Free-threshing wheat	*Triticum aestivum/durum*	10	150207A	48.45	-22	-22.6	-22.49	0.63	150327B	2.94	5.9	6.1	0.23	5.79	19.23	-6640	-6460	-6.48	16.5	Nitsch et al. 2019	Nitsch et al. 2019
KNA005	n/a	n/a	AA-BB	272	LN	Free-threshing wheat	*Triticum aestivum/durum*	6	151208	53.48	-23.08	-23.33	-23.22	0.09	151209B	3.39	4.26	3.99	0.32	3.68	18.43	-6000	-5300	-6.59	17.1	this paper	Styring et al. 2022
KNA006	n/a	n/a	AA-BB	272	LN	Hulled barley	*Hordeum vulgare*	8	151208	63.01	-23.51	-23.76	-23.65	0.09	151209B	2.78	4.51	4.24	0.31	3.93	26.48	-6000	-5300	-6.59	17.6	this paper	Styring et al. 2022
KNA007	n/a	n/a	AA-BB	272	LN	Lentil	*Lens culinaris*	5	151208	59.41	-24.10	-24.36	-24.25	0.09	151209B	5.71	1.48	1.20	0.34	0.89	12.14	-6000	-5300	-6.59	18.2	this paper	Styring et al. 2022
KNA008	n/a	n/a	EE	8	FN	Lentil	*Lens culinaris*	9	151208	58.28	-23.56	-23.81	-23.70	0.09	151209B	6.29	4.10	3.83	0.32	3.52	10.81	-3600	-3300	-6.37	17.9	this paper	Styring et al. 2022
KNA009	n/a	n/a	AA-BB	162	LN	Lentil	*Lens culinaris*	4	151208	57.91	-23.47	-23.72	-23.61	0.09	151209B	6.58	2.09	1.81	0.34	1.50	10.27	-4900	-4500	-6.29	17.9	this paper	Styring et al. 2022
KNA010	n/a	n/a	AA-BB	279	LN	Free-threshing wheat	*Triticum aestivum/durum*	5	151208	58.70	-22.72	-22.96	-22.85	0.09	151209B	3.21	4.69	4.42	0.31	4.11	21.34	-6000	-5300	-6.59	16.8	this paper	Styring et al. 2022
KNA011	n/a	n/a	AA-BB	279	LN	Free-threshing wheat	*Triticum aestivum/durum*	8	151208	61.61	-22.77	-23.01	-22.90	0.09	151209B	4.00	4.64	4.37	0.31	4.06	17.97	-6000	-5300	-6.59	16.8	this paper	Styring et al. 2022
KNA012	n/a	n/a	AA-BB	251	LN	Lentil	*Lens culinaris*	4	151208	59.89	-24.80	-25.07	-24.96	0.09	151209B	5.96	2.51	2.23	0.33	1.92	11.73	-5300	-4900	-6.41	19.1	this paper	Styring et al. 2022
KNA013	n/a	n/a	AA-BB	251	LN	Hulled barley	*Hordeum vulgare*	5	151208	58.04	-23.85	-24.11	-24.00	0.09	151209B	2.86	4.88	4.61	0.31	4.30	23.70	-5300	-4900	-6.41	18.1	this paper	Styring et al. 2022
KNA014	n/a	n/a	AA-BB	251	LN	Free-threshing wheat	*Triticum aestivum/durum*	9	151208	61.20	-23.11	-23.36	-23.25	0.09	151209B	3.82	4.22	3.95	0.32	3.64	18.71	-5300	-4900	-6.41	17.4	this paper	Styring et al. 2022
KNA015	n/a	n/a	X	19	IN	Lentil	*Lens culinaris*	5	151208	44.94	-23.86	-24.11	-24.00	0.09	151209B	5.63	3.58	3.31	0.32	3.00	9.31	-7000	-6400	-6.49	18.1	this paper	Styring et al. 2022
KNA016	n/a	n/a	X	19	IN	Free-threshing wheat	*Triticum aestivum/durum*	5	151208	57.05	-22.83	-23.07	-22.96	0.09	151209B	4.11	6.43	6.17	0.30	5.86	16.20	-7000	-6400	-6.49	17.0	this paper	Styring et al. 2022
KNA017	n/a	n/a	CC	50	FN	Hulled barley	*Hordeum vulgare*	5	151208	58.71	-23.11	-23.35	-23.24	0.09	151209B	3.18	7.16	6.90	0.29	6.59	21.53	-4200	-3600	-6.36	17.4	this paper	Styring et al. 2022
KNA018	n/a	n/a	X	19	IN	Emmer	*Triticum dicoccum*	5	151208	57.66	-24.16	-24.42	-24.31	0.09	151209B	5.82	2.25	1.98	0.34	1.67	11.56	-7000	-6400	-6.49	18.4	this paper	Styring et al. 2022
KNA019	n/a	n/a	X	22	IN	Lentil	*Lens culinaris*	8	151208	59.75	-23.98	-24.23	-24.12	0.09	151209B	3.25	5.19	4.92	0.31	4.61	21.45	-7000	-6400	-6.49	18.2	this paper	Styring et al. 2022
KNA020	n/a	n/a	X	24	IN	Free-threshing wheat	*Triticum aestivum/durum*	6	151208	59.73	-23.05	-23.29	-23.18	0.09	151209B	4.56	7.24	6.98	0.29	6.67	15.29	-7000	-6400	-6.49	17.2	this paper	Styring et al. 2022
KNA021	n/a	n/a	X	24	IN	Hulled barley	*Hordeum vulgare*	6	151208	59.96	-23.35	-23.60	-23.49	0.09	151209B	2.81	7.53	7.27	0.29	6.96	24.93	-7000	-6400	-6.49	17.5	this paper	Styring et al. 2022
KNA022	n/a	n/a	X	24	IN	Lentil	*Lens culinaris*	16	151208	57.05	-23.34	-23.59	-23.48	0.09	151209B	6.17	3.56	3.29	0.32	2.98	10.79	-7000	-6400	-6.49	17.5	this paper	Styring et al. 2022
KNA023	n/a	n/a	CC	51	FN	Hulled barley	*Hordeum vulgare*	6	151208	60.29	-22.83	-23.07	-22.96	0.09	151209B	3.17	5.06	4.79	0.31	4.48	22.21	-4200	-3900	-6.37	17.1	this paper	Styring et al. 2022
KNA024	n/a	n/a	AA	37	FN	Pea	*Pisum sp.*	6	151208	63.00	-24.06	-24.32	-24.21	0.09	151209B	5.43	3.05	2.77	0.33	2.46	13.53	-4200	-3600	-6.36	18.4	this paper	Styring et al. 2022
KNA025	n/a	n/a	CC	50	FN	Free-threshing wheat	*Triticum aestivum/durum*	7	151208	60.80	-23.18	-23.43	-23.32	0.09	151209B	4.17	5.07	4.80	0.31	4.49	17.01	-4200	-3600	-6.36	17.5	this paper	Styring et al. 2022
KNA026	n/a	n/a	EE	22	FN	Lentil	*Lens culinaris*	11	151208	59.25	-24.42	-24.68	-24.57	0.09	151209B	6.16	2.91	2.64	0.33	2.33	11.22	-4500	-4200	-6.33	18.8	this paper	Styring et al. 2022
KNA027	n/a	n/a	EE	27	FN	Lentil	*Lens culinaris*	7	151208	n/a	n/a	n/a	n/a	1.61	151209B	5.51	3.71	3.44	0.32	3.13	0.00	-4500	-4200	-6.33	n/a	this paper	Styring et al. 2022
KNA028	n/a	n/a	EE	27	FN	Hulled barley	*Hordeum vulgare*	5	151208	62.29	-24.79	-25.06	-24.95	0.09	151209B	3.16	5.53	5.26	0.30	4.95	23.02	-4500	-4200	-6.33	19.2	this paper	Styring et al. 2022
KNA029	n/a	n/a	EE	22	FN	Emmer	*Triticum dicoccum*	4	151208	60.87	-22.46	-22.70	-22.59	0.08	151209B	4.45	8.67	8.41	0.28	8.10	15.98	-4500	-4200	-6.33	16.7	this paper	Styring et al. 2022
KNA030	n/a	n/a	EE	27	FN	Free-threshing wheat	*Triticum aestivum/durum*	9	151208	61.06	-23.41	-23.66	-23.55	0.09	151209B	4.03	4.73	4.46	0.31	4.15	17.66	-4500	-4200	-6.33	17.7	this paper	Styring et al. 2022
KNA031	n/a	n/a	AA	37	FN	Free-threshing wheat	*Triticum aestivum/durum*	5	151208	58.98	-22.81	-23.06	-22.95	0.09	151209B	4.21	5.56	5.29	0.30	4.98	16.36	-4200	-3600	-6.36	17.1	this paper	Styring et al. 2022
KNA032	n/a	n/a	AC	26	IN	Free-threshing wheat	*Triticum aestivum/durum*	5	151208	61.77	-22.45	-22.69	-22.58	0.08	151209B	4.17	6.46	6.19	0.29	5.88	17.27	-6640	-6460	-6.48	16.6	this paper	Styring et al. 2022
KNA033	n/a	n/a	EE	22	FN	Free-threshing wheat	*Triticum aestivum/durum*	6	151208	60.55	-23.75	-24.00	-23.89	0.09	151209B	3.90	6.18	5.91	0.30	5.60	18.12	-4500	-4200	-6.33	18.1	this paper	Styring et al. 2022
KNA034	n/a	n/a	EE	8	FN	Free-threshing wheat	*Triticum aestivum/durum*	12	151208	60.60	-23.01	-23.25	-23.14	0.09	151209B	4.23	6.50	6.23	0.29	5.92	16.71	-3600	-3300	-6.37	17.3	this paper	Styring et al. 2022
KNA035	n/a	n/a	AA-BB	246	LN	Free-threshing wheat	*Triticum aestivum/durum*	7	151208	62.23	-23.21	-23.46	-23.35	0.09	151209B	3.50	2.85	2.57	0.33	2.26	20.72	-5300	-4900	-6.41	17.5	this paper	Styring et al. 2022
KNA036	n/a	n/a	AA-BB	246	LN	Hulled barley	*Hordeum vulgare*	5	151208	61.04	-23.84	-24.09	-23.98	0.09	151209B	3.70	5.42	5.16	0.30	4.85	19.26	-5300	-4900	-6.41	18.1	this paper	Styring et al. 2022
KNA037	n/a	n/a	AA-BB	252	LN	Free-threshing wheat	*Triticum aestivum/durum*	9	151208	65.95	-23.29	-23.54	-23.43	0.09	151209B	3.71	3.45	3.18	0.32	2.87	20.76	-5300	-4900	-6.41	17.5	this paper	Styring et al. 2022
KNA038	n/a	n/a	AA-BB	252	LN	Hulled barley	*Hordeum vulgare*	6	151208	61.26	-23.13	-23.38	-23.27	0.09	151209B	3.19	5.06	4.79	0.31	4.48	22.40	-5300	-4900	-6.41	17.4	this paper	Styring et al. 2022
KNB001	1	Storeroon	n/a	n/a	FP (LM]	Emmer	*Triticum dicoccum*	10	150207A	48.37	-24.2	-24.9	-24.79	0.64	150324B	3.39	3.1	3.2	0.08	2.89	16.64	-1470	-1410	-6.46	18.9	Nitsch et al. 2019	Nitsch et al. 2019
KNB002	1	Storeroon	n/a	n/a	FP (LM]	Emmer	*Triticum dicoccum*	10	150207A	47.92	-23.8	-24.4	-24.29	0.64	150324B	2.9	3.3	3.4	0.08	3.09	19.27	-1470	-1410	-6.46	18.4	Nitsch et al. 2019	Nitsch et al. 2019
KNB003	1	Storeroon	n/a	n/a	FP (LM]	Emmer	*Triticum dicoccum*	10	150207A	47.7	-24	-24.6	-24.49	0.64	150324B	3.44	2.2	2.3	0.08	1.99	16.18	-1470	-1410	-6.46	18.7	Nitsch et al. 2019	Nitsch et al. 2019
KNB004	5	Storeroon	n/a	n/a	FP (LM]	Hulled barley	*Hordeum vulgare*	5	150207A	50.34	-23.8	-24.4	-24.29	0.64	150324B	2.57	4.5	4.6	0.08	4.29	22.89	-1470	-1410	-6.46	18.4	Nitsch et al. 2019	Nitsch et al. 2019
KNB005	5	Storeroon	n/a	n/a	FP (LM]	Hulled barley	*Hordeum vulgare*	5	150207A	48.51	-24.2	-24.8	-24.69	0.64	150324B	2.77	5	5.1	0.08	4.79	20.44	-1470	-1410	-6.46	18.8	Nitsch et al. 2019	Nitsch et al. 2019
KNB006	5	Storeroon	n/a	n/a	FP (LM]	Hulled barley	*Hordeum vulgare*	5	150207A	49.24	-23.9	-24.5	-24.39	0.64	150324B	3.37	4.7	4.8	0.08	4.49	17.03	-1470	-1410	-6.46	18.5	Nitsch et al. 2019	Nitsch et al. 2019
KNB007	5	Storeroon	n/a	n/a	FP (LM]	Hulled barley	*Hordeum vulgare*	5	150207A	50.1	-24.6	-25.2	-25.09	0.64	150324B	2.57	4	4.1	0.08	3.79	22.72	-1470	-1410	-6.46	19.2	Nitsch et al. 2019	Nitsch et al. 2019
KNB008	7	Storeroon	n/a	n/a	FP (LM]	Winged vetchling	*Lathyrus ochrus*	5	150207A	47.31	-22.6	-23.2	-23.09	0.63	150324B	6.71	1.3	1.4	0.08	1.09	8.23	-1470	-1410	-6.46	17.2	Nitsch et al. 2019	Nitsch et al. 2019
KNB009	7	Storeroon	n/a	n/a	FP (LM]	Winged vetchling	*Lathyrus ochrus*	5	150207A	49.52	-23	-23.6	-23.49	0.63	150324B	6.15	0.8	0.9	0.08	0.59	9.39	-1470	-1410	-6.46	17.5	Nitsch et al. 2019	Nitsch et al. 2019
KNB010	7	Storeroon	n/a	n/a	FP (LM]	Winged vetchling	*Lathyrus ochrus*	5	150207A	46.39	-22.5	-23.1	-22.99	0.63	150324B	6.41	1	1.2	0.08	0.89	8.44	-1470	-1410	-6.46	17	Nitsch et al. 2019	Nitsch et al. 2019
KNB011	7	Storeroon	n/a	n/a	FP (LM]	Winged vetchling	*Lathyrus ochrus*	5	150207A	60.95	-22.8	-23.4	-23.29	0.63	150324B	5.47	1	1.1	0.08	0.79	12.99	-1470	-1410	-6.46	17.4	Nitsch et al. 2019	Nitsch et al. 2019
KNB012	7	Storeroon	n/a	n/a	FP (LM]	Winged vetchling	*Lathyrus ochrus*	5	150207A	47.59	-22.2	-22.8	-22.69	0.63	150324B	6.46	1.5	1.6	0.08	1.29	8.6	-1470	-1410	-6.46	16.7	Nitsch et al. 2019	Nitsch et al. 2019
KNB013	7	Storeroon	n/a	n/a	FP (LM]	Winged vetchling	*Lathyrus ochrus*	5	150207A	47.49	-24	-24.6	-24.49	0.64	150324B	7.04	1.4	1.5	0.08	1.19	7.87	-1470	-1410	-6.46	18.7	Nitsch et al. 2019	Nitsch et al. 2019
KNB014	9	Storeroon	n/a	n/a	FP (LM]	Celtic bean	*Vicia faba*	5	150207A	47.21	-22.9	-23.4	-23.29	0.63	150324B	5.17	2.2	2.3	0.08	1.99	10.65	-1470	-1410	-6.46	17.4	Nitsch et al. 2019	Nitsch et al. 2019
KNB015	9	Storeroon	n/a	n/a	FP (LM]	Celtic bean	*Vicia faba*	5	150207A	46.58	-22.3	-22.9	-22.79	0.63	150324B	4.67	2.1	2.2	0.08	1.89	11.64	-1470	-1410	-6.46	16.8	Nitsch et al. 2019	Nitsch et al. 2019
KNB016	9	Storeroon	n/a	n/a	FP (LM]	Celtic bean	*Vicia faba*	5	150207A	46.39	-22	-22.5	-22.39	0.63	150324B	4.14	2.1	2.2	0.08	1.89	13.06	-1470	-1410	-6.46	16.5	Nitsch et al. 2019	Nitsch et al. 2019
KNB017	10	Storeroon	n/a	n/a	FP (LM]	Celtic bean	*Vicia faba*	5	150207A	46.08	-23.2	-23.8	-23.69	0.63	150324B	4.32	2	2.1	0.08	1.79	12.44	-1470	-1410	-6.46	17.7	Nitsch et al. 2019	Nitsch et al. 2019
KNB018	10	Storeroon	n/a	n/a	FP (LM]	Celtic bean	*Vicia faba*	5	150207A	44.97	-21.2	-21.7	-21.59	0.62	150324B	4.5	2.2	2.3	0.08	1.99	11.67	-1470	-1410	-6.46	15.6	Nitsch et al. 2019	Nitsch et al. 2019
KNB019	10	Storeroon	n/a	n/a	FP (LM]	Celtic bean	*Vicia faba*	5	150207A	45.4	-21.1	-21.7	-21.59	0.62	150324B	4.08	2.2	2.4	0.08	2.09	12.97	-1470	-1410	-6.46	15.5	Nitsch et al. 2019	Nitsch et al. 2019
KNB020	4	Storeroon	n/a	n/a	FP (LM]	Hulled barley	*Hordeum vulgare*	5	150207A	52.31	-23.6	-24.2	-24.09	0.63	150324B	2.94	5.3	5.4	0.08	5.09	20.75	-1470	-1410	-6.46	18.2	Nitsch et al. 2019	Nitsch et al. 2019
KNB021	4	Storeroon	n/a	n/a	FP (LM]	Hulled barley	*Hordeum vulgare*	5	150207A	46.39	-23.6	-24.2	-24.09	0.63	150324B	3.53	5	5	0.08	4.69	15.34	-1470	-1410	-6.46	18.2	Nitsch et al. 2019	Nitsch et al. 2019
KNB022	4	Storeroon	n/a	n/a	FP (LM]	Hulled barley	*Hordeum vulgare*	5	150207A	49.44	-24.4	-25	-24.89	0.64	150324B	2.72	5	5	0.08	4.69	21.19	-1470	-1410	-6.46	19	Nitsch et al. 2019	Nitsch et al. 2019
KNB023	4	Storeroon	n/a	n/a	FP (LM]	Hulled barley	*Hordeum vulgare*	5	150207A	49.01	-23.7	-24.3	-24.19	0.63	150324B	2.64	3.8	3.9	0.08	3.59	21.7	-1470	-1410	-6.46	18.3	Nitsch et al. 2019	Nitsch et al. 2019
KNB024	2	Storeroon	n/a	n/a	FP (LM]	Emmer	*Triticum dicoccum*	5	150207A	42.47	-23.8	-24.4	-24.29	0.64	150324B	3.37	5	5.1	0.08	4.79	14.71	-1470	-1410	-6.46	18.4	Nitsch et al. 2019	Nitsch et al. 2019
KNB025	6a	Storeroon	n/a	n/a	FP (LM]	Hulled barley	*Hordeum vulgare*	6	150207A	47.42	-23.2	-23.8	-23.69	0.63	150324B	5.46	5.7	5.8	0.08	5.49	10.14	-1470	-1410	-6.46	17.8	Nitsch et al. 2019	Nitsch et al. 2019
KNB026	6b	Storeroon	n/a	n/a	FP (LM]	Hulled barley	*Hordeum vulgare*	6	150207A	45.15	-24.5	-25.1	-24.99	0.64	150324B	3.55	4.2	4.2	0.08	3.89	14.82	-1470	-1410	-6.46	19.1	Nitsch et al. 2019	Nitsch et al. 2019

Table S2a. $\delta^{13}C$ and $\delta^{15}N$ values of animal bone collagen from Neolithic Knossos

Sample No	*Phase*	*Species*	*Element*	*Weaning Status*	*Cμg*	*%C*	$\delta^{13}C_{(raw)}$	$\delta^{13}C_{(VPDB)}$	$\delta^{13}C$ *sd*	*Nμg*	*%N*	$\delta^{15}N_{(raw)}$	$\delta^{15}N_{(AIR)}$	$\delta^{15}N$ *sd*	*C:N*	*% Collagen Yield*	*Sample quality*	*Runfile*
KN001	IN	Goat	Humerus	W	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	3.95	PCP	n/a
KN002	IN	Sheep	Humerus	W	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	3.65	PCP	n/a
KN003	IN	Sheep	Humerus	W	355.6	35.6	-20.4	-20.6	0.2	124.7	12.5	4.4	4.4	0.3	3.3	8.1	Good	150209A
KN004	IN	Sheep	Humerus	W	400.6	37.4	-20.4	-20.5	0.2	143.9	13.4	5.9	5.9	0.3	3.2	6.9	Good	150209A
KN005	IN	Sheep	Humerus	W	339.7	30.9	-21.9	-22.1	0.2	112.9	10.3	6.1	6.2	0.3	3.5	10.4	Good	150209A
KN006	IN	Sheep	Humerus	W	300.5	29.8	-20.4	-20.6	0.2	105.8	10.5	7.5	7.6	0.3	3.3	6.6	Good	150209A
KN007	IN	Sheep	Humerus	W	405.3	36.8	-20.3	-20.5	0.2	144.4	13.1	7.1	7.2	0.3	3.3	8.9	Good	150209A
KN008	IN	Sheep	Humerus	W	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	2.10	PCP	n/a
KN009	IN	Sheep	Humerus	(U)	254.5	23.4	-20.3	-20.5	0.1	86.7	8.0	6.7	6.7	0.2	3.4	6.2	Good	150209B
KN010	IN	Sheep	Humerus	W	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	3.55	PCP	n/a
KN011	IN	Goat	Humerus	W	221.5	21.3	-20.2	-20.4	0.1	74.8	7.2	7.4	7.5	0.3	3.5	0.4	Good	150209B
KN012	EN	Goat	Humerus	W	399.3	38.0	-20.1	-20.3	0.1	140.8	13.4	6.5	6.5	0.2	3.3	12.2	Good	150209B
KN013	EN	Sheep	Humerus	W	393.2	34.8	-20.3	-20.4	0.1	139.3	12.3	6.7	6.7	0.2	3.3	10.7	Good	150209B
KN014	EN	Sheep	Humerus	W	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	4.49	PCP	n/a
KN015	EN	Sheep	Humerus	W	303.6	29.8	-20.7	-20.9	0.1	107.2	10.5	8.7	8.7	0.3	3.3	7.7	Good	150209B
KN016	IN	Sheep	Humerus	W	280.8	26.7	-20.2	-20.3	0.1	96.9	9.2	6.2	6.2	0.2	3.4	7.3	Good	150209B
KN017	EN	Sheep	Humerus	W	274.6	26.9	-20.2	-20.4	0.1	94.3	9.2	5.1	5.0	0.2	3.4	6.3	Good	150209B
KN018	EN	Sheep	Humerus	W	304.1	29.8	-20.6	-20.8	0.1	106.3	10.4	5.6	5.6	0.2	3.3	8.2	Good	150209B
KN019	EN	Sheep	Humerus	W	275.4	24.6	-20.7	-20.8	0.1	94.3	8.4	5.8	5.8	0.2	3.4	6.2	Good	150209B
KN020	EN	Sheep	Humerus	(U)	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	5.58	PCP	n/a
KN021	EN	Sheep	Humerus	W	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	4.55	PCP	n/a
KN022	EN	Sheep	Humerus	(U)	299.2	28.8	-20.6	-20.8	0.1	104.7	10.1	5.9	5.9	0.2	3.3	9.2	Good	150209B
KN023	EN	Goat	Humerus	(U)	343.7	31.2	-20.6	-20.8	0.1	120.9	11.0	5.9	5.9	0.2	3.3	8.1	Good	150209B
KN024	EN	Sheep	Humerus	W	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	4.29	PCP	n/a
KN025	IN	Sheep	Humerus	W	201.2	18.3	-20.3	-20.4	0.1	67.1	6.1	6.5	6.6	0.2	3.5	5.8	Good	150209B
KN026	EN	Sheep	Humerus	W	399.8	34.8	-20.5	-20.6	0.1	141.0	12.3	4.8	4.8	0.2	3.3	6.1	Good	150209B

Sample No	*Phase*	*Species*	*Element*	*Weaning Status*	*Cμg*	*%C*	$\delta^{13}C_{(raw)}$	$\delta^{13}C_{(VPDB)}$	$\delta^{13}C$ *sd*	*Nμg*	*%N*	$\delta^{15}N_{(raw)}$	$\delta^{15}N_{(AIR)}$	$\delta^{15}N$ *sd*	*C:N*	*% Collagen Yield*	*Sample quality*	*Runfile*
KN027	EN	Sheep	Metacarpal	W	304.0	30.7	-20.6	-20.6	0.1	109.3	11.0	5.1	5.1	0.2	3.2	8.3	Good	151019C
KN028	MN	Sheep	Metacarpal	W	373.7	34.0	-20.2	-20.2	0.1	131.4	11.9	5.2	5.3	0.2	3.3	4.5	Good	151019C
KN029	MN	Sheep	Metacarpal	(W)	224.2	19.5	-20.9	-20.9	0.1	78.5	6.8	4.3	4.4	0.2	3.3	3.9	Good	151019C
KN030	IN	Goat	Tibia	W	460.6	41.9	-20.6	-20.6	0.1	167.5	15.2	6.2	6.3	0.2	3.2	8.5	Good	151019C
KN031	LN II	Goat	Humerus	W	137.7	12.2	-21.4	-21.4	0.1	44.3	3.9	5.3	5.4	0.2	3.6	0.6	High C:N	151019C
KN032	LN II	Goat	Humerus	W	138.7	12.0	-20.4	-20.4	0.1	47.6	4.1	5.0	5.1	0.2	3.4	2.9	Low N and/or C μg	151019C
KN033	LN II	Goat	Humerus	W	434.4	38.1	-18.6	-18.6	0.1	152.4	13.4	5.3	5.4	0.2	3.3	0.7	Good	151019C
KN034	LN II	Goat	Humerus	W	411.0	40.7	-20.2	-20.2	0.1	147.4	14.6	5.9	6.0	0.2	3.3	5.0	Good	151019C
KN035	LN II	Goat	Humerus	W	415.0	41.1	-20.0	-20.0	0.1	143.5	14.2	4.7	4.8	0.2	3.4	1.2	Good	151019C
KN036	LN II	Goat	Humerus	W	468.8	42.6	-20.8	-20.8	0.1	162.4	14.8	4.1	4.2	0.2	3.4	0.3	Good	151019C
KN037	LN II	Goat	Humerus	W	386.5	38.6	-20.7	-20.6	0.1	132.7	13.3	3.6	3.7	0.2	3.4	0.3	Good	151019C
KN038	LN II	Goat	Humerus	W	40.1	3.6	-20.7	-20.7	0.1	13.2	1.2	5.3	5.4	0.2	3.5	2.4	Low N and/or C μg	151019C
KN039	LN II	Goat	Humerus	W	191.3	18.0	-20.5	-20.5	0.1	66.0	6.2	6.1	6.1	0.2	3.4	2.3	Good	151019C
KN040	LN I	Sheep	Humerus	W	390.6	36.5	-20.2	-20.2	0.1	141.2	13.2	4.5	4.6	0.2	3.2	10.9	Good	151019C
KN041	LN I	Sheep	Humerus	W	229.1	21.0	-21.3	-21.3	0.1	80.5	7.4	5.6	5.7	0.2	3.3	3.8	Good	151019C
KN042	LN I	Sheep	Humerus	W	256.5	22.7	-20.5	-20.5	0.1	91.1	8.1	6.0	6.0	0.2	3.3	6.0	Good	151019C
KN043	LN I	Sheep	Humerus	W	377.8	36.3	-20.4	-20.3	0.1	136.0	13.1	5.3	5.3	0.2	3.2	12.5	Good	151019C
KN044	LN I	Sheep	Humerus	W	487.2	42.4	-20.6	-20.6	0.1	175.6	15.3	4.6	4.7	0.2	3.2	11.2	Good	151019C
KN045	LN I	Sheep	Humerus	W	412.8	39.3	-20.5	-20.5	0.1	148.7	14.2	6.3	6.4	0.2	3.2	8.5	Good	151019C
KN046	LN I	Sheep	Humerus	W	404.1	39.2	-21.4	-21.4	0.1	145.4	14.1	3.6	3.7	0.2	3.2	1.7	Good	151019C
KN047	LN I	Sheep	Humerus	W	366.4	32.1	-19.9	-19.8	0.1	132.1	11.6	5.6	5.7	0.2	3.2	11.5	Good	151019C
KN048	LN I	Sheep	Humerus	W	408.7	37.8	-20.8	-20.8	0.1	146.5	13.6	4.8	4.8	0.2	3.3	2.5	Good	151019C
KN049	LN I	Sheep	Humerus	W	255.0	25.0	-21.1	-21.0	0.1	90.7	8.9	3.7	3.7	0.2	3.3	4.7	Good	151020A
KN050	LN I	Sheep	Humerus	W	463.9	41.8	-20.5	-20.4	0.1	167.7	15.1	4.5	4.5	0.2	3.2	11.0	Good	151020A
KN051	LN I	Sheep	Humerus	W	387.9	37.3	-20.9	-20.8	0.1	137.7	13.2	5.3	5.2	0.2	3.3	1.2	Good	151020A
KN052	LN I	Sheep	Humerus	W	430.1	40.6	-20.9	-20.8	0.1	154.5	14.6	4.7	4.6	0.2	3.2	4.0	Good	151020A

Sample No	*Phase*	*Species*	*Element*	*Weaning Status*	*Cμg*	*%C*	*$\delta^{13}C_{(raw)}$*	*$\delta^{13}C_{(VPDB)}$*	*$\delta^{13}C$ sd*	*Nμg*	*%N*	*$\delta^{15}N_{(raw)}$*	*$\delta^{15}N_{(AIR)}$*	*$\delta^{15}N$ sd*	*C:N*	*% Collagen Yield*	*Sample quality*	*Runfile*
KN053	LN I	Sheep	Humerus	W	429.1	42.1	-20.7	-20.6	0.1	145.4	14.3	4.1	4.1	0.2	3.4	0.6	Good	151020A
KN054	LN I	Sheep	Humerus	W	265.0	26.2	-20.9	-20.7	0.1	93.8	9.3	4.5	4.5	0.2	3.3	8.9	Good	151020A
KN055	LN I	Sheep	Humerus	W	198.0	17.4	-20.8	-20.7	0.1	68.8	6.0	5.2	5.2	0.2	3.4	2.8	Low N and/or C μg	151020A
KN056	LN I	Sheep	Humerus	W	139.7	13.6	-21.0	-21.0	0.1	48.9	4.7	4.7	4.7	0.2	3.3	3.9	Low N and/or C μg	151020A
KN057	LN I	Sheep	Humerus	W	433.3	42.1	-19.9	-19.8	0.1	156.7	15.2	5.0	4.9	0.2	3.2	7.6	Good	151020A
KN058	LN I	Sheep	Humerus	W	273.2	24.6	-22.1	-22.0	0.1	95.2	8.6	6.3	6.2	0.2	3.3	2.9	Good	151020A
KN059	LN I	Sheep	Humerus	W	431.4	41.1	-20.5	-20.4	0.1	155.6	14.8	5.1	5.0	0.2	3.2	5.0	Good	151020A
KN060	LN I	Sheep	Humerus	W	21.8	2.1	-21.9	-21.8	0.1	6.2	0.6	4.4	4.4	0.2	4.1	0.6	High C:N	151020A
KN061	LN I	Sheep	Humerus	W	237.5	22.6	-21.6	-21.5	0.1	83.7	8.0	5.5	5.5	0.2	3.3	1.8	Good	151020A
KN062	LN I	Sheep	Humerus	W	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	1.95	PCP	n/a
KN063	LN I	Sheep	Humerus	(U)	123.2	11.0	-21.2	-21.1	0.1	43.0	3.8	5.3	5.3	0.2	3.3	4.0	Low N and/or C μg	151020A
KN064	LN I	Sheep	Humerus	W	202.5	19.7	-21.2	-21.1	0.1	70.9	6.9	5.5	5.5	0.2	3.3	6.5	Good	151020A
KN065	LN I	Sheep	Humerus	W	418.0	37.7	-20.3	-20.2	0.1	151.6	13.7	4.3	4.3	0.2	3.2	10.3	Good	151020A
KN066	LN II	Sheep	Humerus	W	253.6	24.2	-21.0	-20.9	0.1	89.7	8.5	4.9	4.8	0.2	3.3	3.6	Good	151020A
KN067	LN I	Sheep	Humerus	W	189.3	16.9	-20.6	-20.5	0.1	66.7	6.0	3.9	3.9	0.2	3.3	3.8	Good	151020A
KN068	LN I	Sheep	Humerus	W	383.1	35.1	-21.2	-21.1	0.1	138.2	12.7	4.6	4.5	0.2	3.2	9.8	Good	151020A
KN069	LN I	Goat	Humerus	W	224.5	21.4	-19.6	-19.5	0.1	79.2	7.5	5.6	5.6	0.2	3.3	8.4	Good	151020A
KN070	LN I	Goat	Humerus	W	336.9	32.4	-20.3	-20.2	0.1	120.4	11.6	5.0	5.0	0.2	3.3	10.5	Good	151020A
KN071	LN I	Goat	Humerus	W	385.9	37.5	-19.5	-19.3	0.1	138.0	13.4	5.1	5.1	0.2	3.3	2.7	Good	151020A
KN072	LN I	Goat	Humerus	W	258.7	24.6	-20.3	-20.2	0.1	89.7	8.5	5.8	5.8	0.2	3.4	1.7	Good	151020A
KN073	LN I	Goat	Humerus	W	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	1.19	PCP	n/a
KN074	LN I	Goat	Humerus	W	346.0	34.3	-18.9	-18.8	0.1	124.8	12.4	5.4	5.4	0.2	3.2	8.4	Good	151020A
KN075	LN I	Goat	Humerus	W	416.6	40.1	-20.6	-20.5	0.1	141.8	13.6	5.1	5.1	0.2	3.4	0.7	Good	151020A
KN076	LN I	Goat	Humerus	W	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	PCP	n/a
KN077	LN I	Goat	Radius	W	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	PCP	n/a

Sample No	*Phase*	*Species*	*Element*	*Weaning Status*	*Cμg*	*%C*	*$\delta^{13}C_{(raw)}$*	*$\delta^{13}C_{(VPDB)}$*	*$\delta^{13}C$ sd*	*Nμg*	*%N*	*$\delta^{15}N_{(raw)}$*	*$\delta^{15}N_{(AIR)}$*	*$\delta^{15}N$ sd*	*C:N*	*% Collagen Yield*	*Sample quality*	*Runfile*
KN078	MN	Goat	Humerus	W	231.3	22.7	-20.1	-20.0	0.1	81.9	8.0	4.7	4.7	0.2	3.3	5.7	Good	151020A
KN079	MN	Goat	Humerus	W	314.4	30.5	-19.9	-19.8	0.1	112.9	11.0	6.5	6.4	0.2	3.2	8.6	Good	151020A
KN080	MN	Goat	Humerus	W	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	PCP	n/a
KN081	LN I	Goat	Radius	W	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	PCP	n/a
KN082	MN	Goat	Radius	W	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	PCP	n/a
KN083	MN	Sheep	Humerus	W	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	PCP	n/a
KN084	LN I	Sheep	Humerus	W	330.0	30.3	-20.5	-20.4	0.1	118.6	10.9	6.3	6.3	0.2	3.2	9.1	Good	151020A
KN085	LN I	Sheep	Humerus	W	259.2	22.9	-20.6	-20.4	0.1	92.6	8.2	4.3	4.2	0.2	3.3	6.1	Good	151020A
KN086	LN I	Sheep	Humerus	W	275.7	27.8	-20.6	-20.5	0.1	93.1	9.4	4.5	4.6	0.2	3.5	9.2	Good	151207B
KN087	LN I	Sheep	Humerus	W	294.8	27.8	-20.7	-20.5	0.1	101.6	9.6	4.5	4.7	0.2	3.4	9.2	Good	151207B
KN088	MN	Sheep	Humerus	W	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	0.84	PCP	n/a
KN089	MN	Sheep	Humerus	W	249.7	24.0	-20.7	-20.5	0.1	84.0	8.1	3.9	4.1	0.2	3.5	2.4	Good	151207B
KN090	MN	Sheep	Humerus	W	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	0.56	PCP	n/a
KN091	LN II	Goat	Humerus	W	218.4	22.1	-20.3	-20.1	0.1	76.6	7.7	5.7	5.7	0.2	3.3	2.0	Good	151020A
KN092	LN II	Sheep	Humerus	W	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	0.47	PCP	n/a
KN093	LN II	Sheep	Humerus	W	99.5	8.7	-21.3	-21.2	0.1	34.0	3.0	6.1	6.1	0.2	3.4	2.4	Low N and/or C μg	151020A
KN094	LN II	Sheep	Humerus	W	208.6	20.9	-20.9	-20.8	0.1	73.1	7.3	6.2	6.1	0.2	3.3	4.7	Good	151020A
KN095	LN II	Sheep	Humerus	W	76.6	7.1	-21.8	-21.8	0.1	25.2	2.3	7.0	6.9	0.2	3.6	2.0	Low N and/or C μg	151020A
KN096	LN II	Sheep	Humerus	W	139.7	12.4	-20.5	-20.4	0.1	48.8	4.3	7.4	7.4	0.2	3.3	3.9	Low N and/or C μg	151020A
KN097	LN II	Sheep	Humerus	W	207.0	19.7	-20.6	-20.6	0.1	73.7	7.0	5.7	5.9	0.2	3.3	4.2	Good	151020B
KN098	LN II	Sheep	Humerus	W	484.8	42.5	-20.7	-20.6	0.1	170.2	14.9	4.9	5.1	0.2	3.3	0.4	Good	151020B
KN099	LN II	Sheep	Humerus	W	115.6	11.3	-20.5	-20.4	0.1	33.4	3.3	4.2	4.3	0.2	4.0	2.7	High C:N	151207B
KN100	LN II	Sheep	Humerus	(U)	425.7	40.5	-20.1	-20.1	0.1	152.9	14.6	6.3	6.5	0.2	3.2	9.3	Good	151020B
KN101	LN II	Sheep	Humerus	W	316.0	31.9	-21.0	-21.0	0.1	111.7	11.3	6.3	6.4	0.2	3.3	4.6	Good	151020B
KN102	LN II	Sheep	Humerus	W	475.0	41.7	-20.8	-20.8	0.1	169.1	14.8	6.9	7.0	0.2	3.3	7.2	Good	151020B

Sample No	*Phase*	*Species*	*Element*	*Weaning Status*	*Cμg*	*%C*	*$\delta^{13}C_{(raw)}$*	*$\delta^{13}C_{(VPDB)}$*	*$\delta^{13}C$ sd*	*Nμg*	*%N*	*$\delta^{15}N_{(raw)}$*	*$\delta^{15}N_{(AIR)}$*	*$\delta^{15}N$ sd*	*C:N*	*% Collagen Yield*	*Sample quality*	*Runfile*
KN103	LN II	Sheep	Humerus	W	297.8	27.8	-20.6	-20.6	0.1	106.3	9.9	5.9	6.0	0.2	3.3	14.0	Good	151020B
KN104	LN II	Sheep	Humerus	W	108.2	10.7	-20.8	-20.7	0.1	37.4	3.7	6.0	6.1	0.2	3.4	3.5	Low N and/or C μg	151020B
KN105	LN II	Sheep	Humerus	W	67.3	6.2	-21.0	-21.0	0.1	23.0	2.1	5.3	5.4	0.2	3.4	1.7	Low N and/or C μg	151020B
KN106	LN II	Sheep	Humerus	W	426.8	37.1	-20.9	-20.9	0.1	141.6	12.3	5.6	5.7	0.2	3.5	1.2	Good	151020B
KN107	LN II	Sheep	Humerus	W	400.1	39.2	-20.7	-20.6	0.1	141.7	13.9	4.8	4.9	0.2	3.3	8.5	Good	151020B
KN108	LN II	Sheep	Humerus	W	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	1.08	PCP	n/a
KN109	LN II	Sheep	Humerus	W	423.0	36.8	-21.0	-21.0	0.1	148.8	12.9	6.2	6.4	0.2	3.3	2.7	Good	151020B
KN110	LN II	Sheep	Humerus	W	372.5	35.5	-21.4	-21.3	0.1	129.1	12.3	4.8	4.9	0.2	3.4	1.6	Good	151020B
KN111	IN	Pig	Femur	W	371.4	36.1	-20.9	-20.9	0.1	132.6	12.9	7.7	7.7	0.2	3.3	7.0	Good	151020B
KN112	EN	Pig	Tibia	(W)	39.0	3.8	-24.5	-24.5	0.1	9.0	0.9	8.2	8.3	0.2	5.1	1.1	High C:N	151020B
KN113	EN	Pig	Radius	(W)	365.0	35.1	-20.3	-20.2	0.1	131.6	12.6	6.4	6.5	0.2	3.2	12.0	Good	151020B
KN114	EN	Pig	Metatarsal	(W)	245.2	22.7	-20.9	-20.9	0.1	86.1	8.0	6.5	6.6	0.2	3.3	1.7	Good	151020B
KN115	EN	Pig	Metapodial	W	411.9	37.4	-20.7	-20.6	0.1	145.9	13.3	4.9	5.0	0.2	3.3	2.5	Good	151020B
KN116	IN	Pig	Femur	?	812.9	74.6	-23.8	-23.8	0.1	310.2	28.5	2.2	2.4	0.2	3.1	10.2	BAE	151020B
KN117	IN	Pig	Ulna	(W)	272.2	26.4	-19.4	-19.4	0.1	96.0	9.3	7.3	7.4	0.2	3.3	3.2	Good	151020B
KN118	EN	Pig	Ulna	W	299.8	26.1	-20.8	-20.8	0.1	99.2	8.6	5.3	5.4	0.2	3.5	1.2	Good	151020B
KN119	EN	Pig	Tibia	W	391.0	38.0	-20.2	-20.1	0.1	140.8	13.7	5.4	5.5	0.2	3.2	8.2	Good	151020B
KN120	EN	Pig	Metacarpal	W	395.5	39.5	-21.0	-21.0	0.1	139.6	14.0	4.1	4.3	0.2	3.3	5.8	Good	151020B
KN121	MN	Pig	Humerus	W	261.5	23.4	-21.3	-21.2	0.1	93.2	8.3	4.9	5.0	0.2	3.3	3.2	Good	151020B
KN122	MN	Pig	Humerus	W	226.1	21.7	-20.0	-20.0	0.1	80.1	7.7	5.6	5.7	0.2	3.3	5.1	Good	151020B
KN123	MN	Pig	Humerus	W	264.8	25.7	-21.0	-20.9	0.1	94.3	9.2	6.0	6.1	0.2	3.3	6.8	Good	151020B
KN124	MN	Pig	Humerus	(W)	454.6	40.2	-20.2	-20.1	0.1	161.1	14.3	6.4	6.5	0.2	3.3	3.7	Good	151020B
KN125	MN	Pig	Humerus	(W)	398.9	35.9	-20.2	-20.2	0.1	142.9	12.9	7.0	7.1	0.2	3.3	5.4	Good	151020B
KN126	MN	Pig	Radius	W	468.5	43.0	-20.7	-20.7	0.1	168.9	15.5	4.5	4.7	0.2	3.2	7.3	Good	151020B
KN127	MN	Pig	Humerus	(U)	254.9	22.0	-19.9	-19.9	0.1	88.8	7.7	7.2	7.3	0.2	3.3	2.9	Good	151020B

Sample No	*Phase*	*Species*	*Element*	*Weaning Status*	*Cμg*	*%C*	*$\delta^{13}C_{(raw)}$*	*$\delta^{13}C_{(VPDB)}$*	*$\delta^{13}C$ sd*	*Nμg*	*%N*	*$\delta^{15}N_{(raw)}$*	*$\delta^{15}N_{(AIR)}$*	*$\delta^{15}N$ sd*	*C:N*	*% Collagen Yield*	*Sample quality*	*Runfile*
KN128	LN I	Pig	Humerus	W	308.4	29.9	-20.8	-20.7	0.1	109.5	10.6	6.8	6.9	0.2	3.3	3.1	Good	151020B
KN129	LN I	Pig	Humerus	W	355.7	34.5	-21.4	-21.4	0.1	127.0	12.3	5.3	5.4	0.2	3.3	8.4	Good	151020B
KN130	LN I	Pig	Humerus	W	292.5	26.6	-21.1	-21.1	0.1	103.7	9.4	3.8	4.0	0.2	3.3	6.7	Good	151020B
KN131	LN I	Pig	Humerus	(U)	296.3	28.2	-20.6	-20.6	0.1	105.6	10.1	6.4	6.5	0.2	3.3	7.5	Good	151020B
KN132	LN I	Pig	Radius	W	151.0	14.5	-21.5	-21.4	0.1	53.1	5.1	4.5	4.7	0.2	3.3	5.2	Good	151020B
KN133	LN I	Pig	Radius	W	381.7	36.4	-20.7	-20.6	0.1	134.9	12.8	4.8	4.9	0.2	3.3	0.3	Good	151020C
KN134	LN I	Pig	Radius	U	417.6	36.0	-20.0	-19.9	0.1	150.7	13.0	7.8	7.8	0.2	3.2	8.8	Good	151020C
KN135	LN I	Pig	Tibia	(W)	442.6	41.0	-20.9	-20.8	0.1	155.8	14.4	4.0	4.1	0.2	3.3	9.8	Good	151207B
KN136	LN I	Pig	Tibia	W	452.9	42.7	-20.3	-20.2	0.1	163.5	15.4	5.6	5.6	0.2	3.2	8.3	Good	151020C
KN137	LN I	Pig	Radius	W	239.6	22.0	-20.6	-20.5	0.1	80.0	7.3	3.7	3.9	0.2	3.5	3.9	Good	151207B
KN138	MN	Pig	Humerus	W	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	PCP	n/a
KN139	LN I	Pig	Humerus	W	105.2	10.5	-21.2	-21.1	0.1	36.3	3.6	7.2	7.3	0.2	3.4	4.2	Low N and/or C μg	151020C
KN140	LN II	Pig	Radius	W	221.5	20.9	-21.0	-21.0	0.1	77.7	7.3	4.9	5.0	0.2	3.3	0.3	Good	151020C
KN141	LN II	Sheep	Humerus	W	427.4	37.8	-20.2	-20.1	0.1	153.3	13.6	7.0	7.1	0.2	3.3	12.7	Good	151020C
KN142	LN II	Sheep	Humerus	W	104.0	9.4	-20.8	-20.8	0.1	35.7	3.2	6.3	6.4	0.2	3.4	2.6	Low N and/or C μg	151020C
KN143	LN II	Sheep	Humerus	W	144.1	14.0	-20.3	-20.2	0.1	50.8	4.9	5.6	5.7	0.2	3.3	3.2	Low N and/or C μg	151020C
KN144	LN II	Pig	Humerus	W	19.8	1.8	-21.9	-21.8	0.1	5.3	0.5	1.3	1.4	0.2	4.4	1.5	High C:N	151207B
KN145	LN II	Pig	Humerus	W	114.2	10.8	-21.3	-21.2	0.1	32.9	3.1	2.2	2.3	0.2	4.0	4.7	High C:N	151207B
KN146	LN II	Pig	Radius	W	31.9	2.9	-21.9	-21.9	0.1	9.5	0.9	4.0	4.1	0.2	3.9	0.6	High C:N	151020C
KN147	LN II	Pig	Radius	W	415.4	37.4	-21.0	-20.9	0.1	142.2	12.8	6.2	6.3	0.2	3.4	-2.6	Good	151020C
KN148	LN I	Pig	Humerus	W	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	PCP	n/a
KN149	LN I	Pig	Humerus	W	119.5	10.6	-21.2	-21.1	0.1	41.9	3.7	5.1	5.2	0.2	3.3	1.5	Low N and/or C μg	151020C
KN150	LN I	Pig	Humerus	W	248.0	22.3	-20.6	-20.6	0.1	86.2	7.8	5.4	5.5	0.2	3.4	2.9	Good	151020C
KN151	LN II	Pig	Humerus	W	77.2	6.9	-21.3	-21.2	0.1	26.9	2.4	7.5	7.6	0.2	3.3	4.4	Low N and/or C μg	151020C

Sample No	*Phase*	*Species*	*Element*	*Weaning Status*	*Cμg*	*%C*	*$\delta^{13}C_{(raw)}$*	*$\delta^{13}C$ (VPDB)*	*$\delta^{13}C$ sd*	*Nμg*	*%N*	*$\delta^{15}N_{(raw)}$*	*$\delta^{15}N_{(AIR)}$*	*$\delta^{15}N$ sd*	*C:N*	*% Collagen Yield*	*Sample quality*	*Runfile*
KN152	LN II	Pig	Humerus	W	138.2	12.6	-21.5	-21.4	0.1	45.5	4.1	6.1	6.2	0.2	3.5	4.3	Low N and/or C μg	151020C
KN153	LN II	Pig	Humerus	(U)	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	PCP	n/a
KN154	LN II	Pig	Humerus	W	111.0	10.9	-21.0	-20.9	0.1	38.2	3.7	5.0	5.1	0.2	3.4	2.1	Low N and/or C μg	151020C
KN155	LN II	Pig	Humerus	W	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	PCP	n/a
KN156	FN	Pig	Humerus	W	102.7	9.3	-20.9	-20.9	0.1	35.3	3.2	4.5	4.6	0.2	3.4	2.1	Low N and/or C μg	151020C
KN157	FN	Pig	Humerus	W	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	PCP	n/a
KN158	FN	Pig	Humerus	W	11.8	1.1	-23.4	-23.4	0.1	3.2	0.3	4.4	4.5	0.2	4.3	2.6	High C:N	151020C
KN159	FN	Pig	Humerus	W	57.9	5.3	-22.0	-22.0	0.1	18.0	1.6	4.7	4.8	0.2	3.7	3.1	High C:N	151020C
KN160	FN	Pig	Humerus	W	99.5	9.0	-20.4	-20.3	0.1	33.7	3.1	7.7	7.8	0.2	3.4	3.8	Low N and/or C μg	151020C
KN161	FN	Pig	Humerus	W	70.6	6.8	-21.6	-21.5	0.1	23.9	2.3	4.3	4.4	0.2	3.4	2.0	Low N and/or C μg	151020C
KN162	FN	Pig	Humerus	W	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	PCP	n/a
KN163	FN	Pig	Humerus	W	300.6	27.3	-20.5	-20.4	0.1	102.4	9.3	3.0	3.1	0.2	3.4	3.9	Good	151207B
KN164	FN	Pig	Humerus	W	355.5	34.9	-20.3	-20.2	0.1	126.7	12.4	6.3	6.4	0.2	3.3	4.8	Good	151020C
KN165	FN	Pig	Humerus	W	423.1	39.9	-20.7	-20.6	0.1	149.3	14.1	6.5	6.6	0.2	3.3	2.0	Good	151020C
KN166	FN	Pig	Humerus	U	453.0	39.7	-21.4	-21.4	0.1	153.8	13.5	5.4	5.5	0.2	3.4	0.7	Good	151020C
KN167	FN	Pig	Humerus	(U)	59.3	5.7	-22.8	-22.8	0.1	17.6	1.7	6.1	6.2	0.2	3.9	1.1	High C:N	151020C
KN168	FN	Pig	Humerus	(U)	337.2	32.4	-21.2	-21.1	0.1	120.3	11.6	5.0	5.1	0.2	3.3	9.2	Good	151020C
KN169	LN II	Pig	Humerus	W	264.4	24.7	-20.9	-20.9	0.1	93.8	8.8	4.9	5.0	0.2	3.3	2.8	Good	151020C
KN170	FN	Pig	Humerus	W	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	PCP	n/a
KN171	FN	Pig	Humerus	W	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	PCP	n/a
KN172	FN	Pig	Humerus	W	418.7	38.1	-21.2	-21.2	0.1	138.6	12.6	6.5	6.5	0.2	3.5	-3.1	Good	151020C
KN173	FN	Pig	Humerus	W	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	PCP	n/a
KN174	FN	Pig	Humerus	(U)	410.1	39.4	-21.6	-21.5	0.1	140.3	13.5	3.6	3.7	0.2	3.4	0.5	Good	151020C

Sample No	*Phase*	*Species*	*Element*	*Weaning Status*	*Cμg*	*%C*	*$\delta^{13}C_{(raw)}$*	*$\delta^{13}C_{(VPDB)}$*	*$\delta^{13}C$ sd*	*Nμg*	*%N*	*$\delta^{15}N_{(raw)}$*	*$\delta^{15}N_{(AIR)}$*	*$\delta^{15}N$ sd*	*C:N*	*% Collagen Yield*	*Sample quality*	*Runfile*
KN175	FN	Pig	Humerus	(U)	72.6	6.7	-21.4	-21.4	0.1	24.2	2.2	7.4	7.5	0.2	3.5	3.2	Low N and/or C μg	151020C
KN176	FN	Pig	Humerus	W	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	PCP	n/a
KN177	FN	Pig	Humerus	(U)	428.8	38.3	-20.0	-20.0	0.1	150.7	13.5	5.1	5.2	0.2	3.3	1.2	Good	151020C
KN178	FN	Pig	Humerus	U	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	PCP	n/a
KN179	FN	Pig	Humerus	W	158.7	14.4	-19.9	-19.9	0.1	55.6	5.1	6.7	6.8	0.2	3.3	2.8	Good	151020C
KN180	FN	Pig	Humerus	(U)	37.2	3.4	-27.0	-27.0	0.1	4.4	0.4	4.5	4.6	0.2	9.9	0.5	High C:N	151020C
KN181	FN	Pig	Radius	W	233.7	22.5	-21.0	-20.9	0.1	82.1	7.9	6.3	6.4	0.2	3.3	4.1	Good	151020C
KN182	FN	Pig	Radius	W	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	PCP	n/a
KN183	FN	Pig	Radius	W	44.0	3.9	-23.3	-23.3	0.1	10.2	0.9	4.6	4.7	0.2	5.0	0.4	High C:N	151020C
KN184	FN	Pig	Radius	W	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	PCP	n/a
KN185	FN	Pig	Radius	W	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	PCP	n/a
KN186	FN	Pig	Radius	U	455.1	39.6	-20.3	-20.3	0.1	157.5	13.7	7.0	7.0	0.2	3.4	0.5	Good	151021A
KN187	FN	Goat	Humerus	W	319.7	31.7	-20.5	-20.5	0.1	114.1	11.3	5.1	5.1	0.2	3.3	7.7	Good	151021A
KN188	FN	Goat	Humerus	W	420.0	41.6	-19.6	-19.6	0.1	149.9	14.8	5.3	5.3	0.2	3.3	1.8	Good	151021A
KN189	FN	Goat	Humerus	W	434.4	42.6	-20.4	-20.4	0.1	156.6	15.3	4.1	4.2	0.2	3.2	8.3	Good	151021A
KN190	FN	Goat	Humerus	W	322.2	28.5	-20.9	-20.9	0.1	113.3	10.0	5.3	5.3	0.2	3.3	5.5	Good	151021A
KN191	FN	Goat	Humerus	W	428.3	38.9	-18.1	-18.2	0.1	152.6	13.9	5.7	5.6	0.2	3.3	2.3	Good	151021B
KN192	FN	Goat	Humerus	W	421.0	40.9	-20.2	-20.2	0.1	149.6	14.5	5.4	5.4	0.2	3.3	2.0	Good	151021A
KN193	FN	Goat	Humerus	W	449.1	40.8	-19.8	-19.8	0.1	162.9	14.8	6.6	6.7	0.4	3.2	5.3	Good	151019B
KN194	FN	Goat	Humerus	W	297.9	26.1	-16.8	-16.8	0.1	106.0	9.3	6.7	6.8	0.4	3.3	4.0	Good	151019B
KN195	FN	Goat	Humerus	W	345.0	34.5	-19.7	-19.7	0.1	120.7	12.1	7.4	7.5	0.4	3.3	4.2	Good	151019B
KN196	FN	Goat	Humerus	W	202.0	18.0	-20.3	-20.3	0.1	70.3	6.3	5.0	5.2	0.4	3.4	2.3	Good	151019B
KN197	FN	Goat	Humerus	W	329.0	29.9	-20.0	-20.0	0.1	117.8	10.7	5.2	5.3	0.4	3.3	6.9	Good	151019B
KN198	FN	Pig	Humerus	W	168.6	16.1	-24.4	-21.6	1.7	22.5	2.1	5.3	7.2	1.1	8.8	3.8	High C:N	150723
KN199	FN	Sheep	Humerus	W	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	PCP	n/a
KN200	FN	Sheep	Humerus	W	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	0.61	PCP	n/a
KN201	FN	Sheep	Humerus	W	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	0.25	PCP	n/a

Sample No	*Phase*	*Species*	*Element*	*Weaning Status*	*Cμg*	*%C*	*$\delta^{13}C_{(raw)}$*	*$\delta^{13}C_{(VPDB)}$*	*$\delta^{13}C$ sd*	*Nμg*	*%N*	*$\delta^{15}N_{(raw)}$*	*$\delta^{15}N_{(AIR)}$*	*$\delta^{15}N$ sd*	*C:N*	*% Collagen Yield*	*Sample quality*	*Runfile*
KN202	FN	Goat	Humerus	W	189.7	17.4	-20.3	-20.3	0.1	63.9	5.9	5.0	5.1	0.4	3.5	2.0	Good	151019B
KN203	FN	Goat	Humerus	W	420.1	37.2	-20.4	-20.4	0.1	150.3	13.3	5.2	5.3	0.4	3.3	7.7	Good	151019B
KN204	FN	Goat	Humerus	W	118.4	11.2	-20.2	-18.5	1.1	40.6	3.8	4.3	6.3	1.2	3.4	2.3	Low N and/or C μg	150723
KN205	FN	Goat	Humerus	W	354.0	31.0	-19.8	-19.7	0.1	126.8	11.1	5.3	5.4	0.4	3.3	8.6	Good	151019B
KN206	FN	Goat	Humerus	W	365.4	34.8	-19.9	-19.9	0.1	131.1	12.5	5.1	5.2	0.4	3.3	10.0	Good	151019B
KN207	FN	Goat	Humerus	W	48.0	4.8	-20.4	-18.7	1.1	14.7	1.5	7.0	8.6	1.0	3.8	3.3	High C:N	150723
KN208	FN	Goat	Humerus	W	317.3	30.5	-19.0	-18.9	0.1	112.2	10.8	6.0	6.1	0.4	3.3	4.3	Good	151019B
KN209	FN	Goat	Humerus	W	166.5	16.5	-20.0	-20.0	0.1	57.9	5.7	5.3	5.4	0.4	3.4	3.2	Good	151019B
KN210	FN	Goat	Humerus	W	190.5	19.0	-19.9	-19.9	0.1	66.1	6.6	5.0	5.1	0.4	3.4	3.4	Good	151019B
KN211	FN	Goat	Humerus	W	109.9	10.3	-20.0	-18.4	1.1	37.0	3.5	4.1	6.1	1.2	3.5	2.5	Low N and/or C μg	150723
KN212	FN	Goat	Humerus	W	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	1.30	PCP	n/a
KN213	FN	Goat	Humerus	W	408.6	37.8	-20.1	-20.1	0.1	142.2	13.2	6.0	6.1	0.4	3.4	1.2	Good	151019B
KN214	FN	Goat	Humerus	W	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	0.56	PCP	n/a
KN215	FN	Goat	Humerus	W	436.7	39.3	-19.9	-19.9	0.1	151.6	13.7	5.4	5.5	0.4	3.4	2.3	Good	151019B
KN216	FN	Goat	Humerus	W	38.8	3.6	-19.2	-17.8	1.0	12.8	1.2	6.9	8.5	1.0	3.5	1.2	Low N and/or C μg	150723
KN217	FN	Goat	Humerus	W	32.6	3.3	-21.1	-19.2	1.2	10.1	1.0	3.7	5.7	1.2	3.8	2.7	High C:N	150723
KN218	FN	Goat	Humerus	W	29.0	2.6	-20.6	-18.8	1.2	8.2	0.7	6.8	8.4	1.0	4.1	1.0	Low N and/or C μg	150723
KN219	FN	Goat	Humerus	(U)	228.2	19.8	-20.6	-20.6	0.1	78.8	6.8	5.4	5.5	0.4	3.4	1.0	Good	151019B
KN220	FN	Goat	Humerus	W	196.4	17.5	-19.8	-19.8	0.1	68.5	6.1	4.9	5.1	0.4	3.3	2.8	Good	151019B
KN221	FN	Goat	Humerus	W	299.1	27.4	-20.4	-20.4	0.1	105.5	9.7	5.3	5.4	0.4	3.3	4.6	Good	151019B
KN222	FN	Goat	Humerus	W	760.0	67.3	-23.7	-23.8	0.1	289.9	25.7	1.4	1.6	0.4	3.1	7.7	BAE	151019B
KN223	FN	Goat	Humerus	W	337.0	33.4	-20.3	-20.3	0.1	119.3	11.8	5.2	5.3	0.4	3.3	3.0	Good	151019B
KN224	FN	Goat	Humerus	W	260.6	25.5	-20.2	-20.2	0.1	90.5	8.9	6.2	6.2	0.2	3.4	2.5	Good	151016

Sample No	*Phase*	*Species*	*Element*	*Weaning Status*	*Cμg*	*%C*	*$\delta^{13}C_{(raw)}$*	*$\delta^{13}C_{(VPDB)}$*	*$\delta^{13}C$ sd*	*Nμg*	*%N*	*$\delta^{15}N_{(raw)}$*	*$\delta^{15}N_{(AIR)}$*	*$\delta^{15}N$ sd*	*C:N*	*% Collagen Yield*	*Sample quality*	*Runfile*
KN225	FN	Pig	Humerus	W	76.6	6.6	-20.4	-20.4	0.1	26.1	2.2	8.9	8.9	0.2	3.4	3.7	Low N and/or C μg	151016
KN226	FN	Pig	Humerus	W	177.3	17.6	-20.7	-20.7	0.1	61.1	6.0	4.3	4.3	0.2	3.4	5.6	Good	151016
KN227	FN	Pig	Humerus	(U)	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	0.06	PCP	n/a
KN228	FN	Sheep	Humerus	W	451.9	40.7	-20.4	-20.4	0.1	162.1	14.6	4.9	5.0	0.2	3.3	6.9	Good	151016
KN229	FN	Sheep	Humerus	W	343.9	31.8	-20.6	-20.6	0.1	122.8	11.4	5.2	5.3	0.2	3.3	4.7	Good	151016
KN230	FN	Sheep	Humerus	W	366.6	33.9	-21.0	-21.0	0.1	130.7	12.1	5.8	5.8	0.2	3.3	8.8	Good	151016
KN231	FN	Sheep	Humerus	W	347.1	32.1	-21.1	-21.1	0.1	123.7	11.5	7.0	7.1	0.2	3.3	6.5	Good	151016
KN232	FN	Sheep	Humerus	W	242.9	22.9	-21.3	-21.3	0.1	84.6	8.0	5.0	5.0	0.2	3.3	2.2	Good	151016
KN233	FN	Sheep	Humerus	W	459.7	38.3	-20.7	-20.7	0.1	158.9	13.2	5.6	5.7	0.2	3.4	0.3	Good	151016
KN234	FN	Sheep	Humerus	(U)	26.1	2.3	-23.3	-23.3	0.1	6.4	0.6	5.5	5.5	0.2	4.7	2.7	High C:N	151016
KN235	FN	Sheep	Humerus	W	351.0	33.1	-21.1	-21.1	0.1	124.8	11.8	5.4	5.4	0.2	3.3	5.6	Good	151016
KN236	FN	Sheep	Humerus	W	82.4	7.9	-21.5	-21.5	0.1	27.1	2.6	4.2	4.2	0.2	3.5	3.0	Low N and/or C μg	151016
KN237	FN	Sheep	Humerus	W	297.3	26.1	-20.9	-20.9	0.1	105.8	9.3	5.8	5.8	0.2	3.3	7.1	Good	151016
KN238	FN	Sheep	Humerus	W	184.5	17.4	-20.7	-20.7	0.1	63.4	6.0	6.0	6.0	0.2	3.4	5.1	Good	151016
KN239	FN	Sheep	Humerus	W	199.6	19.4	-20.8	-20.8	0.1	69.1	6.7	5.5	5.6	0.2	3.4	5.9	Good	151016
KN240	FN	Sheep	Humerus	W	336.9	30.3	-19.9	-19.9	0.1	120.3	10.8	6.5	6.6	0.2	3.3	9.6	Good	151016
KN241	FN	Sheep	Humerus	W	221.3	21.9	-20.9	-20.9	0.1	77.5	7.7	5.3	5.4	0.2	3.3	4.3	Good	151016
KN242	FN	Sheep	Humerus	W	155.9	15.0	-20.9	-20.9	0.1	53.3	5.1	5.0	5.0	0.2	3.4	4.3	Good	151016
KN243	FN	Sheep	Humerus	W	31.4	3.0	-23.0	-23.0	0.1	8.3	0.8	5.0	5.1	0.2	4.4	3.1	High C:N	151016
KN244	FN	Sheep	Humerus	W	288.8	26.0	-20.3	-20.2	0.1	102.0	9.2	5.4	5.5	0.2	3.3	6.8	Good	151016
KN245	FN	Sheep	Humerus	W	122.6	12.3	-21.8	-21.8	0.1	41.5	4.1	5.5	5.6	0.2	3.4	2.3	Low N and/or C μg	151016
KN246	FN	Sheep	Humerus	W	76.4	7.4	-22.1	-22.1	0.1	24.8	2.4	5.6	5.6	0.2	3.6	3.7	Low N and/or C μg	151016
KN247	FN	Sheep	Humerus	W	138.8	13.2	-20.8	-20.8	0.1	47.4	4.5	5.6	5.6	0.2	3.4	4.8	Low N and/or C μg	151016
KN248	FN	Sheep	Humerus	W	45.1	4.4	-21.9	-22.0	0.1	13.5	1.3	6.1	6.2	0.2	3.9	3.4	High C:N	151016

Sample No	*Phase*	*Species*	*Element*	*Weaning Status*	*Cμg*	*%C*	*$\delta^{13}C_{(raw)}$*	*$\delta^{13}C_{(VPDB)}$*	*$\delta^{13}C$ sd*	*Nμg*	*%N*	*$\delta^{15}N_{(raw)}$*	*$\delta^{15}N_{(AIR)}$*	*$\delta^{15}N$ sd*	*C:N*	*% Collagen Yield*	*Sample quality*	*Runfile*
KN249	FN	Sheep	Humerus	W	43.4	3.9	-22.0	-22.0	0.1	12.7	1.2	5.1	5.1	0.2	4.0	3.3	High C:N	151016
KN250	FN	Sheep	Humerus	W	29.7	2.9	-22.3	-22.3	0.1	8.2	0.8	5.7	5.8	0.2	4.3	3.4	High C:N	151016
KN251	FN	Sheep	Humerus	W	15.4	1.5	-26.2	-26.2	0.1	1.5	0.1	3.0	3.1	0.2	11.9	2.4	High C:N	151016
KN252	FN	Sheep	Humerus	(U)	14.3	1.3	-24.9	-24.9	0.1	1.9	0.2	7.8	7.8	0.2	8.7	3.5	High C:N	151016
KN253	FN	Sheep	Humerus	W	28.7	2.6	-21.9	-21.9	0.1	8.3	0.8	6.5	6.5	0.2	4.0	2.3	High C:N	151016
KN254	FN	Sheep	Humerus	W	25.4	2.5	-22.3	-22.3	0.1	6.9	0.7	5.9	5.9	0.2	4.3	2.5	High C:N	151016
KN255	FN	Goat	Humerus	W	351.9	31.1	-20.3	-20.3	0.1	125.3	11.1	6.5	6.5	0.2	3.3	8.6	Good	151016
KN256	FN	Goat	Humerus	W	110.0	9.7	-21.4	-21.4	0.1	34.4	3.0	4.6	4.7	0.2	3.7	1.7	High C:N	151016
KN257	FN	Goat	Humerus	W	207.2	20.5	-19.9	-19.8	0.1	72.4	7.2	5.3	5.3	0.2	3.3	4.8	Good	151016
KN258	FN	Goat	Humerus	W	614.0	58.5	-24.7	-24.7	0.1	234.0	22.3	0.3	0.4	0.3	3.1	4.6	BAE	151016
KN259	FN	Sheep	Humerus	W	250.3	25.0	-20.7	-20.7	0.1	87.7	8.8	4.2	4.3	0.2	3.3	4.7	Good	151019
KN260	FN	Sheep	Humerus	W	32.7	3.2	-22.6	-22.6	0.1	8.8	0.9	5.3	5.4	0.2	4.3	3.9	High C:N	151019
KN261	FN	Sheep	Humerus	W	11.1	1.0	-25.7	-25.7	0.1	1.5	0.1	5.9	6.0	0.2	8.4	2.2	High C:N	151019
KN262	FN	Sheep	Humerus	W	256.9	24.0	-20.8	-20.8	0.1	90.1	8.4	5.0	5.1	0.2	3.3	6.4	Good	151019
KN263	FN	Sheep	Humerus	W	236.9	21.9	-21.1	-21.1	0.1	82.6	7.6	6.5	6.6	0.2	3.3	4.7	Good	151019
KN264	FN	Sheep	Humerus	W	72.1	6.4	-21.3	-21.3	0.1	23.3	2.1	5.1	5.2	0.2	3.6	3.7	High C:N	151019
KN265	FN	Sheep	Humerus	W	50.5	4.4	-22.1	-22.1	0.1	15.3	1.3	5.2	5.3	0.2	3.9	0.7	High C:N	151019
KN266	FN	Sheep	Humerus	W	376.4	37.3	-20.4	-20.4	0.1	132.9	13.2	4.1	4.2	0.2	3.3	4.8	Good	151019
KN267	FN	Sheep	Humerus	W	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	0.09	PCP	n/a
KN268	FN	Sheep	Humerus	(U)	392.3	37.4	-20.6	-20.5	0.1	139.7	13.3	5.6	5.7	0.2	3.3	5.4	Good	151019
KN269	FN	Sheep	Humerus	W	435.0	41.4	-20.6	-20.5	0.1	155.1	14.8	6.9	7.0	0.2	3.3	1.3	Good	151019
KN270	FN	Sheep	Humerus	W	458.4	40.2	-20.8	-20.7	0.1	163.6	14.4	4.7	4.9	0.2	3.3	1.2	Good	151019
KN271	FN	Sheep	Humerus	W	438.5	40.6	-21.0	-20.9	0.1	154.8	14.3	5.8	5.9	0.2	3.3	0.7	Good	151019
KN272	FN	Goat	Humerus	W	395.4	37.0	-20.4	-20.3	0.1	141.2	13.2	5.6	5.7	0.2	3.3	8.7	Good	151019
KN273	FN	Goat	Humerus	W	454.3	40.9	-20.2	-20.2	0.1	163.3	14.7	4.4	4.6	0.2	3.2	4.0	Good	151019
KN274	FN	Sheep	Humerus	W	380.6	35.9	-21.5	-21.5	0.1	135.3	12.8	5.6	5.7	0.2	3.3	5.4	Good	151019
KN275	FN	Sheep	Humerus	W	423.2	37.5	-20.5	-20.5	0.1	151.8	13.4	6.6	6.7	0.2	3.3	6.2	Good	151019
KN276	FN	Sheep	Humerus	W	472.0	41.4	-19.6	-19.5	0.1	167.6	14.7	5.1	5.2	0.2	3.3	3.5	Good	151019

Sample No	*Phase*	*Species*	*Element*	*Weaning Status*	*Cμg*	*%C*	*$\delta^{13}C_{(raw)}$*	*$\delta^{13}C_{(VPDB)}$*	*$\delta^{13}C$ sd*	*Nμg*	*%N*	*$\delta^{15}N_{(raw)}$*	*$\delta^{15}N_{(AIR)}$*	*$\delta^{15}N$ sd*	*C:N*	*% Collagen Yield*	*Sample quality*	*Runfile*
KN277	FN	Sheep	Humerus	W	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	0.06	PCP	n/a
KN278	FN	Sheep	Humerus	W	453.5	39.4	-20.7	-20.7	0.1	156.2	13.6	6.0	6.1	0.2	3.4	1.6	Good	151019
KN279	FN	Sheep	Humerus	W	444.6	40.1	-20.4	-20.3	0.1	157.7	14.2	5.8	5.9	0.2	3.3	1.6	Good	151019
KN280	FN	Sheep	Humerus	W	393.2	38.9	-21.2	-21.2	0.1	138.3	13.7	5.5	5.6	0.2	3.3	1.9	Good	151019
KN281	FN	Sheep	Humerus	W	455.4	42.6	-20.8	-20.7	0.1	163.0	15.2	6.1	6.2	0.2	3.3	2.9	Good	151019
KN282	FN	Sheep	Humerus	W	470.9	41.3	-20.5	-20.4	0.1	168.3	14.8	5.1	5.2	0.2	3.3	3.7	Good	151019
KN283	LN I	Goat	Humerus	W	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	3.96	PCP	n/a
KN284	MN	Pig	Radius	W	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	1.52	PCP	n/a
KN285	IN	Sheep	Humerus	W	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	0.21	PCP	n/a
KN286	FN	Pig	Humerus	(W)	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	PCP	n/a
KN287	EN	Dog	Pelvis	W	407.4	39.6	-18.9	-18.9	0.1	145.6	14.1	10.2	10.2	0.2	3.3	4.8	Good	151019
KN288	EN	Dog	Mandible	W	413.4	40.5	-19.5	-19.5	0.1	144.4	14.2	7.2	7.3	0.2	3.3	2.5	Good	151019
KN289	MN	Dog	Mandible	W	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	1.12	PCP	n/a
KN290	LN I	Dog	Humerus	W	340.1	34.0	-19.5	-19.4	0.1	121.4	12.1	7.8	7.9	0.2	3.3	9.7	Good	151019
KN291	LN I	Dog	Humerus	W	445.4	41.6	-20.0	-19.9	0.1	159.7	14.9	7.9	8.0	0.2	3.3	4.1	Good	151019
KN292	LN II	Dog	Ulna	W	457.6	40.5	-19.5	-19.4	0.1	164.3	14.5	7.3	7.4	0.2	3.2	4.2	Good	151019
KN293	LN II	Dog	Ulna	(W)	370.9	36.0	-19.7	-19.7	0.1	131.4	12.8	7.0	7.1	0.2	3.3	4.8	Good	151019
KN294	FN	Dog	Ulna	W	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	0.50	PCP	n/a
KN295	FN	Dog	Mandible	W	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	0.43	PCP	n/a
KN296	FN	Dog	Ulna	?	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	0.96	PCP	n/a
KN297	FN	Dog	Femur	?	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	1.62	PCP	n/a
KN298	LN I	Badger	Ulna	W	459.4	40.3	-19.8	-19.8	0.1	165.9	14.6	5.6	5.7	0.2	3.2	7.7	Good	151019
KN299	FN	Badger	Femur	W	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	1.09	PCP	n/a
KN300	FN	Badger	Ulna	(W)	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	2.66	PCP	n/a
KN301	MN	Cattle	Radius	W	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	PCP	n/a
KN302	MN	Cattle	Radius	W	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	PCP	n/a
KN303	MN	Cattle	Radius	W	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	PCP	n/a
KN304	MN	Cattle	Humerus	W	161.3	15.1	-21.2	-21.1	0.1	54.8	5.1	4.6	4.7	0.2	3.4	2.6	Good	151019

Sample No	*Phase*	*Species*	*Element*	*Weaning Status*	*Cμg*	*%C*	*$\delta^{13}C_{(raw)}$*	*$\delta^{13}C_{(VPDB)}$*	*$\delta^{13}C$ sd*	*Nμg*	*%N*	*$\delta^{15}N_{(raw)}$*	*$\delta^{15}N_{(AIR)}$*	*$\delta^{15}N$ sd*	*C:N*	*% Collagen Yield*	*Sample quality*	*Runfile*
KN305	MN	Cattle	Radius	W	74.1	6.8	-20.7	-20.6	0.1	24.8	2.3	4.5	4.7	0.2	3.5	4.2	Low N and/or C μg	151019
KN306	FN	Cattle	Humerus	W	488.5	42.5	-20.1	-20.0	0.1	175.6	15.3	6.1	6.2	0.2	3.2	4.0	Good	151019
KN307	FN	Cattle	Humerus	W	264.5	25.2	-20.7	-20.6	0.1	93.7	8.9	4.8	4.9	0.2	3.3	7.2	Good	151019
KN308	FN	Cattle	Humerus	W	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	PCP	n/a
KN309	FN	Cattle	Humerus	W	96.2	8.4	-21.0	-20.9	0.1	32.9	2.9	4.9	5.0	0.2	3.4	3.0	Low N and/or C μg	151019
KN310	FN	Cattle	Humerus	W	244.5	22.4	-20.7	-20.7	0.1	84.4	7.7	4.4	4.6	0.4	3.4	4.4	Good	151019B
KN311	FN	Cattle	Humerus	W	8.5	0.8	-24.3	-24.4	0.1	1.3	0.1	0.6	0.8	0.4	7.6	2.0	High C:N	151019B
KN312	FN	Cattle	Humerus	W	45.1	4.5	-21.1	-21.1	0.1	15.2	1.5	6.0	6.2	0.4	3.5	3.1	Low N and/or C μg	151019B
KN313	FN	Cattle	Humerus	W	365.3	32.6	-19.4	-19.4	0.1	131.5	11.7	5.0	5.1	0.4	3.2	12.3	Good	151019B
KN314	FN	Cattle	Humerus	W	268.2	25.1	-20.8	-20.8	0.1	95.2	8.9	4.9	5.0	0.4	3.3	5.8	Good	151019B
KN315	FN	Cattle	Humerus	W	145.5	13.2	-20.7	-20.7	0.1	50.7	4.6	5.6	5.7	0.4	3.3	4.1	Low N and/or C μg	151019B
KN316	FN	Cattle	Humerus	W	308.3	27.3	-19.9	-19.9	0.1	85.4	7.6	6.8	6.9	0.4	4.2	4.8	High C:N	151019B
KN317	FN	Cattle	Humerus	W	335.6	32.9	-20.7	-20.7	0.1	119.9	11.8	4.7	4.8	0.4	3.3	8.0	Good	151019B
KN318	FN	Cattle	Humerus	W	32.6	3.2	-19.0	-19.0	0.1	10.2	1.0	5.4	5.5	0.4	3.7	1.9	High C:N	151019B
KN319	FN	Cattle	Humerus	W	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	PCP	n/a
KN320	FN	Cattle	Humerus	W	44.7	4.0	-22.7	-22.7	0.1	13.1	1.2	5.5	5.6	0.4	4.0	0.0	High C:N	151019B
KN321	FN	Cattle	Humerus	W	60.3	5.3	-22.5	-22.6	0.1	17.5	1.6	4.1	4.2	0.4	4.0	0.4	High C:N	151019B
KN322	FN	Cattle	Humerus	W	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	PCP	n/a
KN323	FN	Cattle	Humerus	W	98.5	8.8	-21.9	-21.9	0.1	35.1	3.1	4.7	4.8	0.4	3.3	8.3	Low N and/or C μg	151019B
KN324	FN	Cattle	Humerus	W	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	PCP	n/a
KN325	FN	Cattle	Humerus	W	194.3	19.4	-20.0	-20.0	0.1	67.1	6.7	5.3	5.4	0.4	3.4	2.8	Good	151019B
KN326	FN	Cattle	Humerus	W	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	PCP	n/a
KN327	IN	Cattle	Radius	W	410.2	40.2	-21.1	-21.1	0.1	145.5	14.3	6.8	6.9	0.4	3.3	12.7	Good	151019B

Sample No	*Phase*	*Species*	*Element*	*Weaning Status*	*Cμg*	*%C*	$\delta^{13}C_{(raw)}$	$\delta^{13}C_{(VPDB)}$	$\delta^{13}C$ *sd*	*Nμg*	*%N*	$\delta^{15}N_{(raw)}$	$\delta^{15}N_{(AIR)}$	$\delta^{15}N$ *sd*	*C:N*	*% Collagen Yield*	*Sample quality*	*Runfile*
KN328	EN	Cattle	Radius	W	453.4	39.4	-21.0	-21.0	0.1	163.5	14.2	4.3	4.5	0.4	3.2	7.9	Good	151019B
KN329	EN	Cattle	Radius	W	43.4	4.2	-20.6	-20.6	0.1	14.0	1.3	6.9	7.0	0.2	3.6	3.7	High C:N	151019C
KN330	MN	Cattle	Radius	W	49.3	4.8	-22.2	-22.2	0.1	15.3	1.5	4.8	4.9	0.2	3.8	3.2	High C:N	151019C
KN331	LN I	Cattle	Radius	W	373.8	33.4	-20.3	-20.3	0.1	134.2	12.0	5.4	5.5	0.2	3.2	8.0	Good	151019C
KN332	LN I	Cattle	Radius	W	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	PCP	n/a
KN333	LN I	Cattle	Radius	W	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	PCP	n/a
KN334	LN I	Cattle	Radius	W	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	PCP	n/a
KN335	LN I	Cattle	Radius	W	80.2	7.2	-20.5	-20.5	0.1	28.1	2.5	3.4	3.5	0.2	3.3	4.0	Low N and/or C μg	151019C
KN336	LN I	Cattle	Radius	W	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	PCP	n/a
KN337	LN II	Cattle	Humerus	W	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	PCP	n/a
KN338	LN II	Cattle	Humerus	W	80.5	7.0	-21.2	-21.2	0.1	27.1	2.4	5.0	5.1	0.2	3.5	4.3	Low N and/or C μg	151019C
KN339	LN II	Cattle	Humerus	W	145.2	13.1	-21.6	-21.6	0.1	48.8	4.4	5.2	5.3	0.2	3.5	1.4	Low N and/or C μg	151019C
KN340	LN II	Cattle	Radius	W	72.1	6.6	-21.0	-21.0	0.1	24.0	2.2	6.0	6.1	0.2	3.5	2.6	Low N and/or C μg	151019C
KN341	LN II	Cattle	Radius	W	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	PCP	n/a
KN342	LN II	Cattle	Humerus	W	24.1	2.1	-21.7	-21.7	0.1	7.6	0.7	6.0	6.0	0.2	3.7	4.3	High C:N	151019C
KN343	LN II	Cattle	Humerus	W	141.0	13.3	-21.8	-21.8	0.1	48.8	4.6	5.3	5.3	0.2	3.4	4.5	Low N and/or C μg	151019C

Sample quality

BAE=bad analytical environment PCP=poor collagen preservation

Weaning status

U=potentially unweaned/recently weaned (unfused distal humerus/proximal radius; mandibular 1st molar unerupted, erupting or just in wear); (U)=probably not unweaned/recently weaned (fusing distal humerus/proximal radius; 1st mandibular molar in wear and 2nd unerupted); W=weaned (fused distal humerus/proximal radius or later fusing element; mandibular 2nd molar erupting or in wear); (W)=weaned (bone size/robusticity suggests adult); ?=weaning status unknown

Table S2b. $\delta^{13}C$ and $\delta^{15}N$ values of animal bone collagen from Bronze Age Knossos

Sample No	*Excavation*	*Phase*	*Species*	*Element*	*Weaning Status*	*Cμg*	*%C*	*δ 13 C (raw)*	*δ 13 C (VPDB)*	*δ 13 C sd*	*Nμg*	*%N*	*δ 15 N (raw)*	*δ 15 N (AIR)*	*δ 15 N sd*	*C:N*	*% Collagen Yield*	*Sample quality*	*Runfile*
MUM01	MUM	NP	Cattle	Metacarpal	W	459.1	43.3	-20.8	-20.7	0.06	165.3	15.6	5.2	5.4	0.17	3.2	6.3	Good	151207B
MUM02	MUM	NP	Cattle	Metacarpal	W	412.3	37.8	-20.7	-20.5	0.06	147.2	13.5	5.1	5.2	0.17	3.3	10.1	Good	151207B
MUM03	MUM	FP	Goat	Humerus	W	345.0	31.7	-19.4	-19.2	0.07	121.1	11.1	3.4	3.5	0.19	3.3	13.1	Good	151207B
MUM04	MUM	FP	Goat	Humerus	W	454.4	40.6	-19.5	-19.3	0.07	163.9	14.6	3.6	3.7	0.18	3.2	12.0	Good	151207B
MUM05	MUM	FP	Goat	Humerus	W	428.5	39.0	-19.6	-19.4	0.07	152.9	13.9	4.0	4.1	0.18	3.3	10.9	Good	151207B
MUM06	MUM	FP	Goat	Humerus	W	317.2	29.6	-19.4	-19.2	0.07	110.2	10.3	3.9	4.1	0.18	3.4	7.9	Good	151207B
MUM07	MUM	FP	Pig	Humerus	W	403.5	36.0	-19.5	-19.4	0.07	143.4	12.8	6.8	7.0	0.15	3.3	9.9	Good	151207B
MUM08	MUM	FP	Pig	Humerus	W	455.0	41.4	-19.7	-19.6	0.07	165.3	15.0	6.9	7.2	0.15	3.2	9.2	Good	151207B
MUM09	MUM	FP	Sheep	Humerus	(U)	439.7	40.7	-20.5	-20.4	0.06	158.0	14.6	5.6	5.8	0.16	3.2	13.8	Good	151207B
MUM10	MUM	FP	Sheep	Humerus	W	415.6	35.8	-20.3	-20.1	0.07	149.4	12.9	4.9	5.1	0.17	3.2	9.9	Good	151207B
MUM11	MUM	FP	Sheep	Humerus	W	416.2	41.6	-20.8	-20.7	0.06	147.5	14.7	5.0	5.1	0.17	3.3	11.7	Good	151207B
MUM12	MUM	PostP	Horse	Metatarsal	(W)	445.8	39.5	-21.0	-20.9	0.06	161.2	14.3	2.6	2.7	0.20	3.2	10.8	Good	151207B
MUM13	MUM	PostP	Sheep	Humerus	W	439.1	39.6	-20.5	-20.4	0.06	158.8	14.3	4.4	4.6	0.17	3.2	14.6	Good	151207B
MUM14	MUM	PostP	Sheep	Humerus	W	365.6	32.9	-21.1	-21.0	0.06	129.4	11.7	4.6	4.8	0.17	3.3	8.7	Good	151207B
MUM15	MUM	PostP	Goat	Radius	W	392.4	35.4	-19.7	-19.5	0.07	140.1	12.6	6.6	6.8	0.15	3.3	16.0	Good	151207B
MUM16	MUM	PostP	Badger	Femur	W	442.2	42.1	-18.7	-18.5	0.07	157.6	15.0	8.6	8.8	0.14	3.3	15.1	Good	151207B
MUM17	MUM	PostP	Fallow deer	Humerus	W	379.9	36.2	-21.6	-21.4	0.06	133.8	12.7	4.9	5.0	0.17	3.3	12.9	Good	151207B
MUM18	MUM	FP	Fallow deer	Metacarpal	(W)	403.1	39.9	-20.8	-20.7	0.06	144.2	14.3	6.1	6.3	0.16	3.3	15.4	Good	151207B
MUM19	MUM	FP	Dog	Humerus	W	438.6	38.8	-19.0	-18.8	0.07	156.1	13.8	8.0	8.2	0.14	3.3	4.3	Good	151207B
MUM20	MUM	FP	Fallow deer	Calcaneum	(W)	397.2	37.1	-19.5	-19.3	0.07	139.9	13.1	3.6	3.7	0.18	3.3	8.2	Good	151207B
MUM22	MUM	FP	Pig	Humerus	W	248.3	23.4	-21.3	-21.2	0.06	84.3	8.0	2.8	2.9	0.19	3.4	6.2	Good	151207B
MUM23	MUM	FP	Badger	Radius	W	496.5	44.7	-20.9	-20.8	0.07	179.1	16.1	4.7	4.8	0.18	3.2	7.7	Good	160212B
MUM24	MUM	FP	Goat	Metacarpal	W	390.1	37.9	-16.5	-16.2	0.10	140.2	13.6	6.0	6.1	0.18	3.2	11.6	Good	160212B
MUM25	MUM	FP	Goat	Metacarpal	(W)	412.1	39.2	-20.3	-20.2	0.07	145.9	13.9	4.3	4.4	0.18	3.3	6.9	Good	151207B
MUM26	MUM	FP	Goat	Metacarpal	W	434.4	41.0	-19.6	-19.4	0.07	156.3	14.7	4.7	4.8	0.17	3.2	12.7	Good	151207B
MUM27	MUM	FP	Sheep	Metatarsal	W	317.3	28.3	-22.0	-21.9	0.06	109.4	9.8	3.5	3.6	0.18	3.4	5.9	Good	151207B
MUM28	MUM	FP	Goat	Humerus	W	362.4	35.2	-21.3	-21.2	0.06	127.9	12.4	6.1	6.3	0.16	3.3	14.1	Good	151207B
MUM29	MUM	FP	Sheep	Humerus	W	333.6	31.2	-20.7	-20.5	0.06	116.9	10.9	3.9	4.0	0.18	3.3	8.4	Good	151207B
MUM30	MUM	FP	Pig	Scapula	W	421.7	39.8	-20.4	-20.3	0.06	148.8	14.0	6.3	6.5	0.16	3.3	4.4	Good	151207B
MUM31	MUM	FP	Sheep	Humerus	W	436.6	39.7	-20.0	-19.8	0.07	158.1	14.4	4.3	4.4	0.18	3.2	14.4	Good	151207B
MUM32	MUM	FP	Cattle	Humerus	(U)	434.9	39.2	-20.6	-20.5	0.06	155.8	14.0	4.5	4.7	0.17	3.3	8.4	Good	151207B
MUM33	MUM	FP	Cattle	Humerus	W	424.9	38.3	-21.3	-21.2	0.06	154.2	13.9	3.9	4.0	0.18	3.2	9.6	Good	151207B
MUM34	MUM	FP	Cattle	Metatarsal	(W)	221.4	21.5	-19.2	-19.0	0.07	73.7	7.2	6.4	6.7	0.15	3.5	4.4	Good	151207B
MUM35	MUM	FP	Sheep	Humerus	W	434.1	40.9	-20.9	-20.8	0.06	153.8	14.5	4.9	5.0	0.17	3.3	4.5	Good	151207B
MUM36	MUM	FP	Sheep	Humerus	(U)	421.3	39.4	-21.1	-21.0	0.06	149.2	13.9	5.4	5.6	0.16	3.3	3.7	Good	151207B
MUM37	MUM	FP	Sheep	Humerus	W	373.8	37.0	-21.0	-20.9	0.06	133.0	13.2	4.0	4.1	0.18	3.3	7.8	Good	151207B
MUM38	MUM	FP	Sheep	Humerus	W	386.5	34.8	-18.8	-18.6	0.07	137.8	12.4	5.1	5.3	0.17	3.3	11.8	Good	151207B
MUM39	MUM	FP	Sheep	Humerus	W	385.0	37.7	-20.9	-20.8	0.06	136.9	13.4	3.8	3.9	0.18	3.3	9.7	Good	151207B
MUM40	MUM	FP	Sheep	Humerus	W	465.2	43.1	-20.6	-20.5	0.06	168.3	15.6	5.3	5.5	0.17	3.2	14.2	Good	151207B
MUM41	MUM	FP	Goat	Humerus	(U)	454.0	39.5	-20.3	-20.1	0.08	162.0	14.1	5.8	5.9	0.18	3.3	3.7	Good	160212B
MUM42	MUM	FP	Fallow deer	Radius	(W)	441.9	40.9	-20.8	-20.7	0.07	159.7	14.8	4.5	4.6	0.18	3.2	10.8	Good	160212B
MUM43	MUM	FP	Goat	Humerus	W	450.1	42.9	-20.0	-19.8	0.08	163.3	15.5	4.0	4.1	0.19	3.2	12.7	Good	160212B
MUM44	MUM	FP	Sheep	Humerus	W	527.4	46.3	-19.8	-19.6	0.08	193.0	16.9	5.5	5.6	0.18	3.2	10.2	Good	160212B
MUM45	MUM	FP	Sheep	Humerus	W	341.0	29.7	-20.7	-20.5	0.07	121.6	10.6	5.0	5.1	0.18	3.3	7.9	Good	160212B
MUM46	MUM	FP	Goat	Humerus	W	360.5	32.5	-19.6	-19.4	0.08	128.3	11.6	4.2	4.3	0.19	3.3	4.5	Good	160212B
MUM47	MUM	FP	Goat	Humerus	W	455.2	42.1	-19.6	-19.4	0.08	164.8	15.3	4.0	4.1	0.19	3.2	6.6	Good	160212B
MUM48	MUM	FP	Goat	Humerus	W	451.6	41.4	-19.9	-19.8	0.08	161.4	14.8	4.1	4.2	0.19	3.3	5.5	Good	160212B

Sample No	Excavation	Phase	Species	Element	Weaning Status	Cμg	%C	$\delta^{13}C_{(raw)}$	$\delta^{13}C_{(VPDB)}$	$\delta^{13}C$ sd	Nμg	%N	$\delta^{15}N_{(raw)}$	$\delta^{15}N_{(AIR)}$	$\delta^{15}N$ sd	C:N	% Collagen Yield	Sample quality	Runfile
MUM49	MUM	FP	Goat	Humerus	W	419.1	41.1	-20.0	-19.8	0.08	150.6	14.8	3.4	3.4	0.19	3.2	5.6	Good	160212B
MUM50	MUM	FP	Goat	Humerus	W	345.3	32.6	-19.0	-18.8	0.08	123.1	11.6	4.0	4.0	0.19	3.3	10.5	Good	160212B
MUM51	MUM	FP	Goat	Humerus	W	368.3	33.2	-19.4	-19.2	0.08	131.5	11.8	4.7	4.8	0.18	3.3	7.4	Good	160212B
MUM52	MUM	FP	Pig	Humerus	W	430.3	41.4	-21.1	-21.0	0.07	155.1	14.9	4.7	4.8	0.18	3.2	10.2	Good	160212B
MUM53	MUM	FP	Pig	Humerus	W	418.4	38.7	-20.1	-19.9	0.08	151.0	14.0	8.1	8.3	0.19	3.2	6.4	Good	160212B
MUM54	MUM	FP	Pig	Humerus	W	452.9	41.5	-20.1	-19.9	0.08	161.9	14.9	6.4	6.5	0.18	3.3	8.5	Good	160212B
MUM55	MUM	FP	Pig	Humerus	(U)	285.2	25.9	-19.4	-19.2	0.08	98.4	8.9	7.2	7.3	0.18	3.4	4.4	Good	160212B
MUM56	MUM	FP	Pig	Humerus	(U)	456.4	39.7	-20.3	-20.1	0.08	165.3	14.4	7.3	7.4	0.18	3.2	5.9	Good	160212B
MUM57	MUM	FP	Pig	Humerus	U	494.5	45.4	-20.9	-20.7	0.07	179.1	16.4	5.8	5.9	0.18	3.2	15.3	Good	160212B
MUM58	MUM	FP	Pig	Humerus	W	371.9	32.6	-20.8	-20.7	0.07	131.5	11.5	4.6	4.6	0.18	3.3	1.6	Good	160212B
MUM59	MUM	FP	Fallow deer	Tibia	W	471.5	42.5	-19.5	-19.3	0.08	168.9	15.2	4.1	4.1	0.19	3.3	8.8	Good	160212B
MUM60	MUM	FP	Fallow deer	Femur	W	474.7	44.4	-20.1	-19.9	0.08	171.0	16.0	4.2	4.2	0.19	3.2	8.9	Good	160212B
MUM61	MUM	FP	Fallow deer	Tibia	(W)	445.0	44.9	-20.2	-20.1	0.08	162.0	16.4	3.6	3.6	0.19	3.2	13.8	Good	160212B
MUM62	MUM	NP	Sheep	Humerus	W	466.3	45.3	-21.0	-20.8	0.07	166.2	16.1	4.2	4.2	0.19	3.3	5.2	Good	160212B
MUM63	MUM	NP	Sheep	Humerus	W	505.9	44.0	-21.2	-21.0	0.07	183.7	16.0	5.3	5.4	0.18	3.2	6.1	Good	160212B
MUM64	MUM	NP	Goat	Radius	(W)	499.0	45.0	-19.8	-19.6	0.08	181.7	16.4	3.2	3.2	0.19	3.2	8.9	Good	160212B
MUM65	MUM	NP	Goat	Humerus	W	473.6	42.7	-20.2	-20.0	0.08	170.1	15.3	3.7	3.7	0.19	3.2	5.4	Good	160212B
MUM66	MUM	FP	Pig	Humerus	W	486.1	46.7	-20.5	-20.3	0.07	174.7	16.8	4.9	5.0	0.18	3.2	4.9	Good	160212B
MUM68	MUM	NP	Sheep	Mandible	(U)	460.7	41.9	-19.7	-19.6	0.08	165.6	15.1	6.3	6.4	0.18	3.2	5.3	Good	160212B
MUM70	MUM	NP	Goat	Mandible	W	496.8	44.0	-19.5	-19.3	0.08	179.7	15.9	2.9	2.9	0.20	3.2	6.0	Good	160212B
MUM71	MUM	NP	Goat	Mandible	W	413.2	37.6	-20.0	-19.8	0.08	148.7	13.5	3.8	3.9	0.19	3.2	5.3	Good	160212B
MUM72	MUM	FP	Sheep	Mandible	W	427.9	42.0	-20.8	-20.7	0.07	147.8	14.5	4.3	4.4	0.19	3.4	2.0	Good	160212B
MUM73	MUM	FP	Goat	Mandible	W	475.1	43.6	-20.5	-20.4	0.07	162.3	14.9	3.9	3.9	0.19	3.4	1.3	Good	160212B
MUM74	MUM	FP	Goat	Mandible	W	484.5	44.9	-20.2	-20.0	0.08	175.2	16.2	3.4	3.5	0.19	3.2	12.2	Good	160212B
MUM75	MUM	FP	Sheep	Mandible	W	420.9	42.1	-20.2	-20.0	0.08	144.4	14.4	7.6	7.7	0.18	3.4	2.7	Good	160212B
MUM76	MUM	FP	Sheep	Mandible	(U)	448.4	42.3	-21.4	-21.3	0.07	153.5	14.5	6.0	6.1	0.18	3.4	n/a	Good	160212B
MUM77	MUM	FP	Sheep	Mandible	W	480.4	42.5	-17.6	-17.4	0.09	170.4	15.1	6.4	6.5	0.18	3.3	3.7	Good	160212B
MUM78	MUM	FP	Goat	Mandible	W	494.0	44.5	-20.1	-20.0	0.08	178.6	16.1	3.3	3.4	0.19	3.2	11.8	Good	160212B
RR001	RRN	PreP	Pig	Humerus	U	127.9	12.7	-20.4	-20.3	0.06	37.2	3.7	4.5	4.7	0.17	4.0	2.0	High C:N	151207B
RR002	RRN	PreP	Pig	Humerus	W	170.4	15.5	-20.3	-20.2	0.07	53.1	4.8	3.3	3.5	0.19	3.7	4.2	High C:N	151207B
RR003	RRN	PreP	Pig	Humerus	W	180.5	15.8	-20.6	-20.5	0.06	57.2	5.0	4.7	4.9	0.17	3.7	5.0	High C:N	151207B
RR004	RRN	PreP	Pig	Humerus	(W)	139.6	12.5	-20.6	-20.4	0.06	42.3	3.8	4.0	4.1	0.18	3.8	4.6	High C:N	151207B
RR005	RRN	PreP	Sheep	Humerus	W	154.6	14.9	-20.7	-20.6	0.06	46.1	4.4	3.7	3.8	0.18	3.9	2.6	High C:N	151207B
RR006	RRN	PreP	Sheep	Humerus	W	425.2	40.1	-21.5	-21.3	0.06	148.9	14.0	5.0	5.1	0.17	3.3	32.4	Good	151207B
RR007	RRN	PreP	Sheep	Humerus	W	180.2	16.4	-20.4	-20.2	0.06	56.9	5.2	4.6	4.7	0.17	3.7	4.2	High C:N	151207B
RR008	RRN	PreP	Sheep	Humerus	W	392.8	35.4	-20.8	-20.7	0.06	138.4	12.5	4.9	5.1	0.17	3.3	11.8	Good	151207B
RR009	RRN	PreP	Sheep	Humerus	W	344.1	32.8	-20.5	-20.3	0.08	121.7	11.6	3.8	3.9	0.21	3.3	6.1	Good	151207
RR010	RRN	PreP	Sheep	Humerus	W	101.6	9.4	-20.8	-20.7	0.08	30.8	2.8	4.2	4.4	0.20	3.9	3.7	High C:N	151207
RR011	RRN	PreP	Sheep	Humerus	W	213.0	20.9	-19.9	-19.8	0.08	70.7	6.9	3.7	3.8	0.21	3.5	3.4	Good	151207
RR012	RRN	PreP	Sheep	Humerus	W	194.5	17.1	-20.9	-20.8	0.08	63.9	5.6	2.7	2.8	0.22	3.6	4.5	Low N and/ or C μg	151207
RR013	RRN	PreP	Goat	Humerus	W	436.6	38.0	-20.8	-20.7	0.08	156.6	13.6	5.7	5.9	0.18	3.3	12.3	Good	151207
RR014	RRN	PreP	Goat	Humerus	W	138.8	12.7	-21.3	-21.2	0.08	43.5	4.0	3.7	3.8	0.21	3.7	6.1	High C:N	151207
RR015	RRN	PreP	Goat	Humerus	W	6.6	0.6	-25.9	-25.9	0.08	1.1	0.1	-3.5	-3.5	0.31	7.3	2.3	High C:N	151207
RR016	RRN	PreP	Goat	Humerus	W	366.3	33.0	-20.2	-20.1	0.08	129.8	11.7	3.8	3.9	0.21	3.3	8.9	Good	151207
RR017	RRN	NP	Goat	Humerus	W	383.9	36.6	-20.4	-20.3	0.08	134.7	12.8	3.9	4.1	0.20	3.3	11.1	Good	151207
RR018	RRN	NP	Goat	Humerus	W	384.1	36.2	-21.3	-21.2	0.08	135.7	12.8	4.5	4.6	0.20	3.3	12.6	Good	151207

Sample No	Excavation	Phase	Species	Element	Weaning Status	Cμg	%C	$\delta^{13}C_{(raw)}$	$\delta^{13}C_{(VPDB)}$	$\delta^{13}C$ sd	Nμg	%N	$\delta^{15}N_{(raw)}$	$\delta^{15}N_{(AIR)}$	$\delta^{15}N$ sd	C:N	% Collagen Yield	Sample quality	Runfile
RR019	RRN	NP	Goat	Humerus	(U)	421.0	39.0	-19.9	-19.8	0.08	150.8	14.0	5.2	5.4	0.19	3.3	12.9	Good	151207
RR020	RRN	NP	Goat	Humerus	W	272.0	26.9	-19.6	-19.4	0.08	94.3	9.3	3.9	4.1	0.20	3.4	6.5	Good	151207
RR021	RRN	NP	Goat	Humerus	W	288.5	28.6	-19.6	-19.4	0.08	102.3	10.1	4.7	4.8	0.18	3.3	7.2	Good	160212
RR022	RRN	NP	Goat	Humerus	W	326.7	30.5	-20.1	-19.9	0.13	113.6	10.6	3.0	2.9	0.20	3.4	3.5	Good	160211
RR023	RRN	NP	Goat	Humerus	W	412.1	38.5	-20.2	-20.0	0.08	146.4	13.7	3.5	3.6	0.21	3.3	13.1	Good	151207
RR024	RRN	NP	Goat	Humerus	W	302.4	27.7	-20.5	-20.3	0.08	104.5	9.6	3.7	3.8	0.21	3.4	9.7	Good	151207
RR025	RRN	NP	Pig	Humerus	(W)	443.8	40.7	-21.3	-21.2	0.08	159.0	14.6	3.8	3.9	0.21	3.3	11.9	Good	151207
RR026	RRN	NP	Pig	Femur	(W)	432.4	42.4	-21.2	-21.1	0.07	152.9	15.0	4.8	4.9	0.18	3.3	2.4	Good	160212
RR027	RRN	NP	Pig	Humerus	W	491.4	44.3	-20.5	-20.3	0.08	171.6	15.5	5.9	6.0	0.18	3.3	1.8	Good	160212
RR028	RRN	NP	Pig	Humerus	(U)	462.2	41.6	-20.8	-20.7	0.13	165.1	14.9	5.4	5.4	0.18	3.3	5.1	Good	160211
RR029	RRN	NP	Pig	Humerus	(U)	458.1	42.0	-20.6	-20.4	0.13	164.6	15.1	5.3	5.3	0.18	3.2	7.6	Good	160211
RR030	RRN	NP	Pig	Humerus	W	470.0	43.1	-19.1	-18.9	0.09	170.5	15.6	7.5	7.7	0.18	3.2	8.9	Good	160212
RR031	RRN	NP	Pig	Humerus	W	471.9	41.4	-20.1	-19.9	0.13	169.6	14.9	5.4	5.4	0.18	3.2	3.4	Good	160211
RR032	RRN	NP	Pig	Humerus	W	438.8	42.6	-20.2	-20.0	0.13	157.1	15.3	7.0	7.0	0.18	3.3	5.6	Good	160211
RR033	RRN	NP	Pig	Humerus	W	193.9	18.0	-21.0	-20.9	0.07	67.7	6.3	4.4	4.5	0.18	3.3	5.1	Low N and/ or C μg	160212
RR034	RRN	NP	Pig	Humerus	U	237.7	21.0	-19.9	-19.7	0.13	80.2	7.1	4.9	4.9	0.18	3.5	4.5	Good	160211
RR035	RRN	NP	Pig	Humerus	W	466.6	45.7	-20.9	-20.7	0.08	169.0	16.6	5.0	5.1	0.18	3.2	7.4	Good	160212
RR036	RRN	NP	Pig	Humerus	U	214.0	20.4	-20.4	-20.2	0.08	69.9	6.7	6.5	6.6	0.18	3.6	0.5	Good	160212
RR037	RRN	NP	Pig	Humerus	U	272.1	25.4	-20.3	-20.1	0.08	94.8	8.9	4.4	4.5	0.18	3.3	2.5	Good	160212
RR038	RRN	NP	Pig	Humerus	U	449.7	43.7	-20.0	-19.8	0.08	161.8	15.7	6.9	7.0	0.18	3.2	8.7	Good	160212
RR039	RRN	NP	Goat	Humerus	W	458.3	45.4	-18.7	-18.4	0.09	161.4	16.0	4.2	4.3	0.18	3.3	3.8	Good	160212
RR040	RRN	NP	Goat	Humerus	W	206.5	19.9	-20.2	-20.0	0.08	71.1	6.8	3.5	3.5	0.18	3.4	3.0	Good	160212
RR041	RRN	NP	Goat	Humerus	W	382.1	36.0	-20.3	-20.1	0.08	135.0	12.7	3.2	3.3	0.19	3.3	4.8	Good	160212
RR042	RRN	NP	Goat	Humerus	W	500.7	43.9	-20.1	-20.0	0.13	180.3	15.8	3.6	3.5	0.19	3.2	5.1	Good	160211
RR043	RRN	NP	Goat	Humerus	W	226.5	21.4	-20.4	-20.3	0.13	75.9	7.2	3.7	3.6	0.19	3.5	3.2	Good	160211
RR044	RRN	NP	Goat	Humerus	W	475.0	43.6	-20.1	-19.9	0.13	171.8	15.8	4.4	4.3	0.19	3.2	10.4	Good	160211
RR045	RRN	NP	Goat	Humerus	W	476.8	43.3	-20.0	-19.8	0.08	173.0	15.7	4.4	4.5	0.18	3.2	13.8	Good	160212
RR046	RRN	NP	Goat	Humerus	W	238.2	23.1	-20.3	-20.2	0.13	79.8	7.8	4.2	4.2	0.19	3.5	4.6	Good	160211
RR047	RRN	NP	Goat	Humerus	W	428.2	43.3	-20.5	-20.4	0.08	153.4	15.5	3.9	4.0	0.18	3.3	8.1	Good	160212
RR048	RRN	NP	Sheep	Humerus	W	391.7	36.6	-21.2	-21.0	0.07	138.9	13.0	4.6	4.7	0.18	3.3	2.8	Good	160212
RR049	RRN	NP	Sheep	Humerus	W	501.1	44.0	-20.9	-20.7	0.08	179.0	15.7	4.7	4.8	0.18	3.3	3.9	Good	160212
RR050	RRN	NP	Sheep	Humerus	(U)	336.9	32.4	-20.5	-20.3	0.08	119.5	11.5	5.9	6.1	0.18	3.3	4.3	Good	160212
RR051	RRN	NP	Sheep	Humerus	W	411.7	39.6	-20.3	-20.2	0.13	144.7	13.9	5.5	5.5	0.18	3.3	4.1	Good	160211
RR052	RRN	NP	Sheep	Humerus	W	484.8	44.9	-20.7	-20.6	0.13	177.6	16.4	5.0	4.9	0.18	3.2	13.3	Good	160211
RR053	RRN	NP	Sheep	Humerus	W	515.8	46.1	-20.1	-19.9	0.08	188.9	16.9	3.3	3.4	0.19	3.2	13.9	Good	160212
RR054	RRN	NP	Goat	Humerus	(U)	212.5	20.2	-21.2	-21.1	0.13	71.3	6.8	6.3	6.3	0.18	3.5	4.4	Good	160211
RR055	RRN	NP	Sheep	Humerus	W	267.9	25.3	-20.7	-20.6	0.13	92.0	8.7	3.2	3.1	0.19	3.4	4.3	Good	160211
RR056	RRN	NP	Sheep	Humerus	W	543.7	48.5	-20.9	-20.8	0.07	199.8	17.8	4.9	5.0	0.18	3.2	13.4	Good	160212
RR057	RRN	NP	Sheep	Humerus	W	449.3	40.1	-21.3	-21.1	0.07	159.9	14.3	6.1	6.2	0.18	3.3	1.3	Good	160212
RR058	RRN	NP	Sheep	Humerus	W	481.4	42.6	-20.0	-19.8	0.13	174.9	15.5	4.3	4.2	0.19	3.2	8.3	Good	160211
RR059	RRN	NP	Sheep	Humerus	(U)	493.9	42.2	-19.9	-19.7	0.08	172.6	14.8	5.8	5.9	0.18	3.3	1.5	Good	160212
RR060	RRN	NP	Sheep	Humerus	W	195.0	17.7	-20.8	-20.7	0.13	65.2	5.9	4.1	4.0	0.19	3.5	3.6	Low N and/ or C μg	160211
RR061	RRN	NP	Sheep	Humerus	W	406.8	38.7	-20.5	-20.3	0.08	145.9	13.9	5.6	5.7	0.18	3.3	5.8	Good	160212
RR062	RRN	NP	Sheep	Humerus	(U)	244.0	23.0	-21.7	-21.5	0.07	81.0	7.6	4.7	4.8	0.18	3.5	3.6	Good	160212
RR063	RRN	NP	Sheep	Humerus	W	379.6	35.1	-21.1	-21.0	0.13	134.8	12.5	5.3	5.3	0.18	3.3	6.3	Good	160211
RR064	RRN	NP	Sheep	Humerus	W	441.7	42.5	-20.5	-20.4	0.13	159.7	15.4	4.9	4.8	0.18	3.2	10.1	Good	160211

Sample No	Excavation	Phase	Species	Element	Weaning Status	Cμg	%C	$\delta^{13}C_{(raw)}$	$\delta^{13}C_{(VPDB)}$	$\delta^{13}C$ sd	Nμg	%N	$\delta^{15}N_{(raw)}$	$\delta^{15}N_{(AIR)}$	$\delta^{15}N$ sd	C:N	% Collagen Yield	Sample quality	Runfile
RR065	RRN	NP	Sheep	Humerus	W	396.4	34.8	-20.3	-20.1	0.13	142.2	12.5	6.1	6.0	0.18	3.3	8.9	Good	160211
RR066	RRN	NP	Sheep	Humerus	W	449.1	41.2	-21.3	-21.1	0.07	162.0	14.9	4.7	4.8	0.18	3.2	5.6	Good	160212
RR067	RRN	NP	Dog	Radius	W	324.5	32.1	-17.6	-17.4	0.10	116.5	11.5	8.9	9.0	0.19	3.2	5.0	Good	160212
RR068	RRN	NP	Sheep	Humerus	W	457.0	43.5	-20.2	-20.0	0.08	165.3	15.7	6.0	6.1	0.18	3.2	6.9	Good	160212
RR069	RRN	NP	Sheep	Humerus	W	439.3	41.1	-20.8	-20.6	0.13	158.6	14.8	4.1	4.0	0.19	3.2	7.2	Good	160211
RR070	RRN	NP	Sheep	Humerus	W	459.5	44.2	-20.9	-20.8	0.13	164.7	15.8	6.0	5.9	0.18	3.3	4.2	Good	160211
RR071	RRN	NP	Sheep	Humerus	W	504.9	45.5	-20.3	-20.2	0.13	185.0	16.7	7.0	7.0	0.18	3.2	11.5	Good	160211
RR072	RRS	FP	Dog	Humerus	W	493.1	44.0	-18.5	-18.3	0.13	176.5	15.8	8.9	8.9	0.19	3.3	3.2	Good	160211
RR073	RRS	LPreP	Sheep	Humerus	W	425.5	39.8	-20.8	-20.6	0.13	151.9	14.2	6.0	6.0	0.18	3.3	4.9	Good	160211
RR074	RRS	LPreP	Sheep	Humerus	W	357.8	35.1	-20.1	-20.0	0.08	125.2	12.3	4.3	4.5	0.20	3.3	7.2	Good	151207
RR075	RRS	LPreP	Sheep	Humerus	W	411.5	38.8	-20.9	-20.8	0.08	146.5	13.8	4.6	4.8	0.19	3.3	5.9	Good	151207
RR076	RRS	LPreP	Sheep	Humerus	W	410.4	38.4	-21.5	-21.4	0.08	146.5	13.7	5.2	5.4	0.19	3.3	8.9	Good	151207
RR077	RRS	LPreP	Sheep	Humerus	W	432.3	38.3	-21.2	-21.1	0.08	151.6	13.4	4.2	4.4	0.20	3.3	0.9	Good	151207
RR078	RRS	LPreP	Sheep	Humerus	W	319.3	29.3	-20.8	-20.7	0.08	110.1	10.1	4.4	4.6	0.20	3.4	4.1	Good	151207
RR079	RRS	LPreP	Sheep	Humerus	W	221.6	20.1	-21.9	-21.8	0.08	72.2	6.6	3.7	3.9	0.21	3.6	1.1	Good	151207
RR080	RRS	LPreP	Sheep	Humerus	W	424.0	37.9	-20.6	-20.5	0.08	151.8	13.6	5.4	5.6	0.19	3.3	11.2	Good	151207
RR081	RRS	LPreP	Sheep	Humerus	W	279.8	28.0	-20.9	-20.7	0.08	98.1	9.8	4.9	5.0	0.18	3.3	3.7	Good	160212
RR082	RRS	LPreP	Sheep	Humerus	W	259.1	25.6	-20.5	-20.3	0.08	91.7	9.1	5.7	5.8	0.18	3.3	3.9	Good	160212
RR083	RRS	LPreP	Goat	Humerus	W	273.1	25.3	-20.3	-20.2	0.13	93.6	8.7	3.4	3.2	0.19	3.4	3.9	Good	160211
RR084	RRS	LPreP	Goat	Humerus	W	323.0	29.6	-20.9	-20.7	0.08	115.0	10.6	4.6	4.7	0.18	3.3	4.6	Good	160212
RR085	RRS	LPreP	Goat	Humerus	W	193.1	18.0	-20.0	-19.9	0.13	64.0	6.0	3.8	3.7	0.19	3.5	3.7	Low N and/ or C μg	160211
RR086	RRS	LPreP	Goat	Humerus	W	242.0	22.6	-20.7	-20.5	0.08	84.2	7.9	4.0	4.1	0.18	3.4	3.3	Good	160212
RR087	RRS	LPreP	Goat	Humerus	W	239.8	22.0	-21.6	-21.5	0.13	81.3	7.5	6.0	5.9	0.18	3.4	3.9	Good	160211
RR088	RRS	LPreP	Goat	Humerus	W	312.5	27.7	-20.4	-20.3	0.13	109.1	9.7	3.7	3.6	0.19	3.3	7.3	Good	160211
RR089	RRS	LPreP	Goat	Humerus	W	514.7	45.5	-20.1	-19.9	0.13	187.5	16.6	4.4	4.3	0.19	3.2	10.9	Good	160211
RR090	RRS	LPreP	Goat	Humerus	W	207.9	18.9	-20.2	-20.0	0.13	70.0	6.4	3.6	3.5	0.19	3.5	3.2	Good	160211
RR091	RRS	LPreP	Pig	Humerus	W	55.1	5.0	-22.0	-21.9	0.07	16.8	1.5	3.9	4.0	0.18	3.8	2.2	High C:N	160212
RR092	RRS	LPreP	Pig	Humerus	W	218.1	19.5	-21.5	-21.3	0.07	76.5	6.8	4.2	4.3	0.18	3.3	2.7	Good	160212
RR093	RRS	LPreP	Pig	Humerus	W	326.0	30.8	-20.5	-20.4	0.13	114.5	10.8	4.2	4.2	0.19	3.3	4.7	Good	160211
RR094	RRS	LPreP	Pig	Humerus	W	199.7	19.2	-20.1	-19.9	0.13	67.3	6.5	4.2	4.1	0.19	3.5	2.8	Low N and/ or C μg	160211
RR095	RRS	LPreP	Pig	Humerus	W	286.4	24.9	-21.3	-21.2	0.13	98.6	8.6	4.4	4.4	0.19	3.4	4.0	Good	160211
RR096	RRS	LPreP	Pig	Humerus	W	431.6	37.5	-20.6	-20.4	0.13	155.0	13.5	5.2	5.1	0.18	3.2	9.2	Good	160211
RR097	RRS	LPreP	Cattle	Humerus	W	113.7	9.9	-21.3	-21.2	0.13	35.7	3.1	3.4	3.2	0.19	3.7	2.3	High C:N	160211
RR098	RRS	LPreP	Cattle	Humerus	W	353.7	32.4	-21.0	-20.9	0.07	127.3	11.7	5.2	5.3	0.18	3.2	7.1	Good	160212
RR099	RRS	LPreP	Cattle	Humerus	W	291.6	25.6	-21.0	-20.8	0.07	103.3	9.1	5.3	5.4	0.18	3.3	5.9	Good	160212
RR100	RRS	LPreP	Cattle	Humerus	W	212.6	18.6	-20.8	-20.6	0.08	73.9	6.5	5.6	5.7	0.18	3.4	5.7	Good	160212
RR101	RRS	LPreP	Cattle	Humerus	W	418.4	37.0	-21.1	-21.0	0.13	147.9	13.1	6.4	6.4	0.18	3.3	8.1	Good	160211
RR102	RRS	NP	Cattle	Metacarpal	W	54.3	5.3	-22.8	-22.7	0.07	13.6	1.3	1.9	2.0	0.20	4.6	0.5	High C:N	160212
RR103	RRN	NP	Cattle	Metacarpal	W	263.9	25.1	-20.9	-20.8	0.07	93.1	8.9	5.6	5.7	0.18	3.3	4.6	Good	160212
RR104	RRN	NP	Cattle	Metacarpal	W	175.5	16.9	-20.7	-20.5	0.07	59.2	5.7	3.3	3.3	0.19	3.5	2.9	Low N and/or C μg	160212B
RR105	RRN	NP	Cattle	Metacarpal	(W)	262.2	24.5	-20.5	-20.3	0.08	90.6	8.5	5.8	5.9	0.18	3.4	3.0	Good	160212
RR106	RRS	FP	Cattle	Metacarpal	W	414.9	36.7	-21.0	-20.9	0.07	149.6	13.2	4.7	4.8	0.18	3.2	7.6	Good	160212B
RR107	RRS	FP	Cattle	Metacarpal	W	289.2	27.5	-20.1	-19.9	0.08	102.6	9.8	6.1	6.3	0.18	3.3	6.2	Good	160212
RR108	RRS	FP	Cattle	Metacarpal	W	259.7	24.0	-19.9	-19.7	0.08	91.2	8.4	5.8	5.9	0.18	3.3	5.3	Good	160212

Sample No	Excavation	Phase	Species	Element	Weaning Status	Cμg	%C	$\delta^{13}C_{(raw)}$	$\delta^{13}C_{(VPDB)}$	$\delta^{13}C$ sd	Nμg	%N	$\delta^{15}N_{(raw)}$	$\delta^{15}N_{(AIR)}$	$\delta^{15}N$ sd	C:N	% Collagen Yield	Sample quality	Runfile
RR109	RRN	NP	Cattle	Metacarpal	W	13.1	1.2	-24.9	-24.9	0.06	2.4	0.2	-3.5	-3.5	0.28	6.3	3.1	High C:N	160212
RR110	RRN	NP	Cattle	Metacarpal	(W)	386.9	33.4	-21.4	-21.2	0.07	139.6	12.0	5.0	5.1	0.18	3.2	7.9	Good	160212
RR111	RRN	NP	Cattle	Metacarpal	W	228.7	20.2	-21.0	-20.8	0.07	79.5	7.0	4.8	4.9	0.18	3.4	4.7	Good	160212B
RR112	RRN	NP	Cattle	Metacarpal	W	308.2	29.1	-21.0	-20.9	0.07	109.9	10.4	5.2	5.3	0.18	3.3	7.0	Good	160212B
RR113	RRN	NP	Cattle	Metacarpal	W	445.6	40.5	-18.8	-18.6	0.08	161.2	14.7	4.0	4.1	0.19	3.2	8.4	Good	160212B
RR114	RRN	NP	Cattle	Metatarsal	W	187.0	17.6	-20.5	-20.3	0.08	64.8	6.1	6.1	6.2	0.18	3.4	5.2	Low N and/or C μg	160212
RR115	RRN	NP	Cattle	Metatarsal	W	431.3	42.7	-20.4	-20.2	0.08	155.8	15.4	5.6	5.7	0.18	3.2	6.6	Good	160212B
RR116	RRN	NP	Cattle	Metatarsal	W	481.7	45.4	-20.4	-20.3	0.08	174.8	16.5	6.6	6.7	0.18	3.2	9.3	Good	160212
RR117	RRN	NP	Cattle	Metacarpal	W	349.9	31.8	-21.0	-20.9	0.07	125.7	11.4	4.1	4.2	0.19	3.2	9.4	Good	160212B
RR118	RRN	NP	Cattle	Metacarpal	W	302.6	28.0	-20.9	-20.7	0.08	108.0	10.0	5.6	5.7	0.18	3.3	9.0	Good	160212
RR119	RRN	NP	Cattle	Metatarsal	W	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	PCP	n/a
RR120	RRN	NP	Cattle	Metatarsal	W	343.7	33.1	-20.3	-20.1	0.08	123.4	11.9	5.0	5.1	0.18	3.2	9.9	Good	n/a
RR121	RRS	NP	Cattle	Metatarsal	W	177.7	16.2	-21.7	-21.6	0.08	58.7	5.3	3.5	3.6	0.21	3.5	4.6	Low N and/or C μg	151207
RR122	RRN	NP	Cattle	Metatarsal	W	370.7	35.6	-21.3	-21.2	0.08	131.3	12.6	4.5	4.6	0.20	3.3	14.2	Good	151207
RR123	RR	NP	Cattle	Metatarsal	(W)	374.5	36.0	-21.2	-21.1	0.08	133.7	12.9	4.2	4.3	0.20	3.3	10.8	Good	151207
RR124	RR	NP	Cattle	Metatarsal	(W)	361.7	33.5	-20.5	-20.4	0.08	128.3	11.9	6.9	7.1	0.17	3.3	11.4	Good	151207
RR125	RR	FP	Dog	Radius	?	302.5	30.0	-19.6	-19.4	0.08	104.9	10.4	6.6	6.8	0.17	3.4	10.8	Good	151207
RR126	RRS	PostP	Pig	Humerus	W	321.5	30.3	-20.3	-20.2	0.08	112.4	10.6	4.7	4.8	0.19	3.3	5.6	Good	151207
RR127	RRS	OP	Goat	Humerus	W	232.8	21.6	-20.2	-20.1	0.08	78.2	7.2	1.3	1.4	0.24	3.5	4.5	Good	151207
RR128	RRS	OP	Goat	Humerus	W	193.3	17.7	-20.7	-20.6	0.08	63.4	5.8	2.9	3.1	0.22	3.6	4.7	Low N and/or C μg	151207
RR129	RRS	OP	Goat	Humerus	W	414.5	40.2	-19.6	-19.4	0.08	147.5	14.3	4.7	4.8	0.19	3.3	15.5	Good	151207
RR130	EH93	OP	Goat	Humerus	W	343.6	34.0	-20.0	-19.9	0.08	119.8	11.9	3.1	3.2	0.21	3.3	9.2	Good	151207
RR131	RT	OP	Pig	Humerus	W	325.2	31.3	-20.9	-20.7	0.08	113.6	10.9	4.6	4.7	0.20	3.3	9.6	Good	151207
RR132	RT	OP	Pig	Humerus	W	365.9	31.8	-21.1	-20.9	0.08	129.4	11.3	4.2	4.3	0.20	3.3	10.9	Good	151207
RR133	RRS	OP	Pig	Humerus	W	232.4	23.0	-20.5	-20.3	0.08	78.0	7.7	4.1	4.2	0.20	3.5	7.3	Good	151207
RR134	RRS	OP	Pig	Humerus	W	367.7	33.4	-20.6	-20.4	0.08	129.0	11.7	5.5	5.6	0.18	3.3	10.0	Good	151207
RR135	AQ	OP	Pig	Humerus	W	329.2	31.7	-21.2	-21.1	0.08	114.4	11.0	3.8	3.9	0.21	3.4	7.8	Good	151207
RR136	AQ	OP	Pig	Humerus	W	367.6	35.3	-20.0	-19.9	0.08	130.4	12.5	5.5	5.6	0.18	3.3	6.4	Good	151207
RR137	RRS	LPreP	Cattle	Metacarpal	W	197.9	17.5	-20.8	-20.7	0.08	65.5	5.8	2.9	3.0	0.22	3.5	6.4	Low N and/or C μg	151207
RR138	RRS	LPreP	Cattle	Metacarpal	W	266.7	25.2	-21.2	-21.0	0.08	91.0	8.6	4.0	4.2	0.20	3.4	8.1	Good	151207
RR139	RT	OP	Cattle	Humerus	W	379.9	34.5	-21.1	-21.0	0.08	133.6	12.1	3.5	3.6	0.21	3.3	4.0	Good	151207
RR140	AQ	OP	Cattle	Humerus	W	270.8	24.8	-21.4	-21.3	0.08	92.7	8.5	4.2	4.3	0.20	3.4	2.8	Good	151207
RR141	RRS	OP	Sheep	Mandible	W	314.4	30.5	-20.0	-19.9	0.08	109.5	10.6	4.6	4.7	0.20	3.3	13.6	Good	151207
RR142	RRS	OP	Sheep	Mandible	(U)	434.5	40.2	-21.6	-21.4	0.08	155.1	14.4	5.7	5.9	0.18	3.3	13.0	Good	151207
RR144	RRS	OP	Sheep	Humerus	W	360.5	36.0	-20.9	-20.8	0.08	127.6	12.8	3.8	3.9	0.21	3.3	7.7	Good	151207
RR145	EH93	OP	Sheep	Humerus	W	137.3	13.3	-21.2	-21.1	0.08	42.8	4.2	4.6	4.7	0.20	3.7	6.4	High C:N	151207
RR146	RRS	OP	Sheep	Humerus	(U)	405.8	38.3	-20.9	-20.8	0.08	140.6	13.3	3.8	3.9	0.21	3.4	4.1	Good	151207
RR147	RT	OP	Sheep	Humerus	W	85.2	8.0	-20.9	-20.7	0.08	23.4	2.2	2.7	2.8	0.22	4.2	3.5	High C:N	151207
RR148	RRS	OP	Sheep	Humerus	W	422.3	37.4	-21.6	-21.5	0.08	152.0	13.5	4.4	4.6	0.20	3.2	15.4	Good	151207
RR149	RRS	OP	Sheep	Humerus	W	296.7	28.3	-21.2	-21.1	0.08	103.0	9.8	4.4	4.5	0.20	3.4	8.9	Good	151207
RR150	RRS	OP	Sheep	Humerus	W	350.7	31.3	-21.6	-21.4	0.08	122.0	10.9	0.3	0.4	0.25	3.4	5.8	BAE	151207
RR151	RRS	OP	Sheep	Humerus	W	298.9	28.2	-21.3	-21.2	0.08	103.3	9.7	4.5	4.6	0.20	3.4	7.4	Good	151207

Sample No	Excavation	Phase	Species	Element	Weaning Status	Cμg	%C	$\delta^{13}C_{(raw)}$	$\delta^{13}C_{(VPDB)}$	$\delta^{13}C$ sd	Nμg	%N	$\delta^{15}N_{(raw)}$	$\delta^{15}N_{(AIR)}$	$\delta^{15}N$ sd	C:N	% Collagen Yield	Sample quality	Runfile
RR152	RRS	OP	Sheep	Humerus	W	219.1	20.5	-21.6	-21.4	0.08	71.7	6.7	2.5	2.6	0.22	3.6	3.8	Good	151207
RR155	RRS	LPreP	Sheep	Mandible	W	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	PCP	n/a
RR156	RRS	LPreP	Sheep	Mandible	W	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	PCP	n/a
RR158	RRS	LPreP	Sheep	Mandible	W	376.7	35.5	-20.7	-20.6	0.08	129.6	12.2	6.8	7.0	0.17	3.4	n/a	Good	151207
RR159	RRS	LPreP	Sheep	Mandible	W	188.7	17.5	-21.0	-20.9	0.08	62.1	5.7	4.5	4.7	0.20	3.5	n/a	Low N and/ or C μg	151207
RR160	RRS	PreP	Sheep	Mandible	W	336.4	29.8	-20.2	-20.0	0.08	116.2	10.3	6.4	6.6	0.17	3.4	n/a	Good	151207
RR161	RRN	PreP	Sheep	Mandible	W	462.6	44.1	-19.4	-19.2	0.08	161.3	15.4	5.5	5.6	0.18	3.3	0.9	Good	160212
RR162	RRN	PreP	Sheep	Mandible	W	507.6	44.5	-20.6	-20.4	0.08	179.9	15.8	5.1	5.2	0.18	3.3	1.4	Good	160212
RR163	RRN	PreP	Sheep	Mandible	W	526.8	45.4	-20.8	-20.7	0.07	189.6	16.3	5.4	5.5	0.18	3.2	5.7	Good	160212B
RR164	RRN	PreP	Sheep	Mandible	W	446.4	43.3	-20.6	-20.4	0.08	151.2	14.7	5.2	5.4	0.18	3.4	0.5	Good	160212
RR165	RRN	PreP	Sheep	Mandible	W	500.0	45.0	-21.3	-21.1	0.07	176.0	15.9	4.9	5.0	0.18	3.3	1.9	Good	160212
RR166	RRN	PreP	Goat	Mandible	(U)	456.4	42.3	-20.1	-20.0	0.08	156.6	14.5	6.1	6.2	0.18	3.4	0.7	Good	160212B
RR167	RRN	PreP	Goat	Mandible	W	459.0	39.6	-20.7	-20.6	0.08	160.0	13.8	5.0	5.1	0.18	3.3	1.3	Good	160212
RR168	RRN	PreP	Goat	Mandible	W	469.8	42.7	-20.4	-20.2	0.08	165.0	15.0	5.9	6.0	0.18	3.3	1.3	Good	160212
RR169	RRS	NP	Sheep	Mandible	W	396.7	38.9	-21.2	-21.0	0.07	138.0	13.5	5.8	5.9	0.18	3.4	1.4	Good	160212
RR172	RRN	NP	Sheep	Mandible	(U)	477.0	45.9	-20.6	-20.4	0.08	172.7	16.6	5.1	5.2	0.18	3.2	11.4	Good	160212
RR173	RRN	NP	Goat	Mandible	(U)	505.4	44.3	-19.1	-18.9	0.08	183.2	16.1	2.8	2.9	0.20	3.2	6.4	Good	160212B
RR174	RRN	NP	Sheep	Mandible	W	474.1	43.9	-21.4	-21.2	0.07	164.2	15.2	4.7	4.8	0.18	3.4	1.7	Good	160212B
RR175	RRN	NP	Sheep	Mandible	(U)	542.8	47.2	-20.0	-19.8	0.08	198.1	17.2	3.9	4.0	0.19	3.2	12.7	Good	160212B
RR177	RRN	NP	Sheep	Mandible	(U)	527.6	45.9	-21.0	-20.8	0.07	187.2	16.3	7.1	7.2	0.18	3.3	2.8	Good	160212
RR178	RRN	NP	Goat	Mandible	U	509.4	45.1	-19.8	-19.7	0.08	178.8	15.8	8.1	8.2	0.19	3.3	2.1	Good	160212B
RR179	RRN	NP	Goat	Mandible	W	502.0	43.7	-19.7	-19.5	0.08	175.1	15.2	3.2	3.2	0.19	3.3	2.3	Good	160212B
RR180	RRN	NP	Goat	Mandible	(U)	470.9	43.6	-19.4	-19.2	0.08	167.2	15.5	4.8	4.9	0.18	3.3	3.7	Good	160212
RR182	RRN	NP	Sheep	Mandible	(U)	500.7	43.5	-20.5	-20.3	0.08	181.6	15.8	6.4	6.5	0.18	3.2	8.6	Good	160212
RR183	RRN	NP	Sheep	Mandible	W	482.7	45.5	-19.2	-19.0	0.08	174.6	16.5	5.7	5.8	0.18	3.2	11.1	Good	160212B
RR184	RRN	NP	Sheep	Mandible	W	473.0	41.9	-19.6	-19.4	0.08	170.3	15.1	7.4	7.5	0.18	3.2	9.2	Good	160212B
RR186	RRN	NP	Sheep	Mandible	W	489.7	43.3	-20.7	-20.5	0.08	175.2	15.5	5.9	6.0	0.18	3.3	3.5	Good	160212
RR188	RRN	FP	Goat	Mandible	W	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	PCP	n/a
RR189	RRN	NP	Goat	Mandible	U	517.3	45.8	-19.9	-19.7	0.08	186.6	16.5	7.3	7.4	0.18	3.2	3.7	Good	n/a
RR190	RRS	PostP	Sheep	Mandible	W	429.9	42.6	-19.9	-19.7	0.08	150.5	14.9	6.9	7.0	0.18	3.3	1.6	Good	160212B
RR191	RRS	FP	Sheep	Mandible	W	455.3	44.6	-20.7	-20.5	0.08	162.5	15.9	5.0	5.1	0.18	3.3	3.3	Good	160212
RR193	RRS	NP	Sheep	Mandible	W	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	PCP	n/a
RR194	HH	OP	Cattle	Humerus	W	499.3	44.2	-21.0	-20.8	0.07	178.7	15.8	4.5	4.5	0.19	3.3	2.6	Good	160212B
RR195	RRN	NP	Fallow deer	Humerus	W	506.2	44.8	-21.1	-20.9	0.07	182.6	16.2	5.0	5.1	0.18	3.2	10.7	Good	160212
RR196	RRN	NP	Fallow deer	Humerus	W	529.7	46.5	-21.7	-21.6	0.07	192.6	16.9	4.1	4.1	0.19	3.2	6.2	Good	160212B
RR197	RRN	NP	Fallow deer	Humerus	W	500.6	43.9	-20.8	-20.7	0.08	179.8	15.8	4.4	4.5	0.18	3.2	1.6	Good	160212
RR198	RRN	NP	Fallow deer	Tibia	W	476.6	44.1	-21.2	-21.0	0.07	167.7	15.5	5.6	5.7	0.18	3.3	3.0	Good	160212
RR199	RRS	FP	Fallow deer	Metatarsal	?	497.8	45.7	-20.8	-20.6	0.07	178.2	16.3	5.7	5.8	0.18	3.3	2.9	Good	160212B
RR200	RRN	NP	Fallow deer	Femur	W	497.4	46.1	-20.4	-20.3	0.08	179.0	16.6	4.9	4.8	0.18	3.2	5.7	Good	160210B
RR201	RRS	FP	Fallow deer	Tibia	W	489.9	43.4	-20.9	-20.8	0.08	179.2	15.9	6.2	6.2	0.17	3.2	11.2	Good	160210B
RR202	RRN	NP	Fallow deer	Radius	W	341.4	32.5	-21.1	-21.1	0.08	117.7	11.2	5.8	5.9	0.19	3.4	1.8	Good	151019C
RR203	RRN	NP	Fallow deer	Metacarpal	W	460.8	40.1	-20.9	-20.9	0.08	168.1	14.6	4.8	4.9	0.20	3.2	11.1	Good	151019C
WCH01	WCH	PreP	Cattle	Humerus	W	467.0	42.8	-20.0	-20.0	0.09	167.2	15.3	5.5	5.6	0.19	3.3	2.3	Good	151021A
WCH02	WCH	PreP	Cattle	Humerus	W	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	1.6	PCP	n/a
WCH03	WCH	PreP	Cattle	Radius	W	121.7	11.3	-20.9	-21.0	0.14	42.7	4.0	6.2	6.2	0.19	3.3	1.4	Low N and/ or C μg	151021B
WCH04	WCH	PreP	Cattle	Radius	W	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	0.2	PCP	n/a

Sample No	Excavation	Phase	Species	Element	Weaning Status	Cμg	%C	$\delta^{13}C_{(raw)}$	$\delta^{13}C_{(VPDB)}$	$\delta^{13}C$ sd	Nμg	%N	$\delta^{15}N_{(raw)}$	$\delta^{15}N_{(AIR)}$	$\delta^{15}N$ sd	C:N	% Collagen Yield	Sample quality	Runfile
WCH05	WCH	PreP	Cattle	Femur	?	340.2	29.3	-20.4	-20.5	0.14	123.2	10.6	4.9	4.8	0.19	3.2	3.6	Good	151021B
WCH06	WCH	PreP	Cattle	Metatarsal	W	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	4.4	PCP	n/a
WCH07	WCH	PreP	Cattle	Metatarsal	W	336.4	31.7	-19.5	-19.5	0.09	120.9	11.4	7.5	7.5	0.19	3.2	5.3	Good	151021A
WCH08	WCH	PreP	Cattle	Humerus	W	388.9	39.3	-19.8	-19.8	0.09	137.9	13.9	6.8	6.8	0.19	3.3	1.2	Good	151021A
WCH09	WCH	PreP	Cattle	Metacarpal	W	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	0.3	PCP	n/a
WCH10	WCH	PreP	Pig	Humerus	U	360.1	32.7	-20.4	-20.4	0.09	129.3	11.8	6.2	6.2	0.19	3.2	7.6	Good	151021A
WCH11	WCH	PreP	Pig	Humerus	W	30.4	3.1	-25.8	-25.8	0.11	4.4	0.5	3.9	3.9	0.20	8.0	0.1	High C:N	151021A
WCH12	WCH	PreP	Pig	Humerus	W	191.6	19.0	-21.1	-21.1	0.09	66.5	6.6	3.4	3.4	0.21	3.4	2.4	Low N and/ or C μg	151021A
WCH13	WCH	PreP	Pig	Radius	W	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	2.8	PCP	n/a
WCH14	WCH	PreP	Pig	Humerus	W	283.0	27.7	-20.7	-20.7	0.09	95.8	9.4	6.4	6.4	0.19	3.4	2.6	Good	151021A
WCH15	WCH	PreP	Pig	Tibia	W	454.6	42.5	-21.1	-21.1	0.09	157.8	14.7	4.1	4.1	0.20	3.4	0.7	Good	151021A
WCH16	WCH	PreP	Pig	Humerus	W	475.2	41.3	-20.8	-20.8	0.09	169.9	14.8	4.0	4.0	0.20	3.3	4.7	Good	151021A
WCH17	WCH	PreP	Pig	Radius	(W)	291.3	26.5	-20.2	-20.2	0.09	104.4	9.5	6.9	6.9	0.19	3.3	2.4	Good	151021A
WCH18	WCH	PreP	Sheep	Humerus	W	251.1	24.4	-21.1	-21.1	0.09	87.0	8.4	4.6	4.6	0.20	3.4	2.2	Good	151021A
WCH19	WCH	PreP	Sheep	Humerus	W	394.0	34.6	-20.6	-20.7	0.14	136.5	12.0	6.4	6.4	0.19	3.4	0.6	Good	151021B
WCH20	WCH	PreP	Sheep	Humerus	W	445.4	42.4	-20.5	-20.6	0.14	161.2	15.3	6.0	6.0	0.19	3.2	7.2	Good	151021B
WCH21	WCH	PreP	Sheep	Humerus	(U)	419.4	36.5	-20.6	-20.7	0.14	152.2	13.2	5.2	5.2	0.19	3.2	8.7	Good	151021B
WCH22	WCH	PreP	Sheep	Humerus	W	349.2	33.9	-20.1	-20.1	0.09	125.4	12.2	5.8	5.9	0.19	3.2	1.7	Good	151021A
WCH23	WCH	PreP	Sheep	Humerus	W	258.5	23.1	-21.0	-21.2	0.14	91.9	8.2	5.5	5.5	0.19	3.3	3.1	Good	151021B
WCH24	WCH	PreP	Sheep	Humerus	W	359.0	34.8	-20.2	-20.2	0.09	130.0	12.6	7.0	7.0	0.19	3.2	8.4	Good	151021A
WCH25	WCH	PreP	Sheep	Humerus	W	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	8.5	PCP	n/a
WCH26	WCH	PreP	Goat	Humerus	W	210.5	20.8	-20.4	-20.4	0.09	73.7	7.3	7.5	7.5	0.19	3.3	3.0	Good	151021A
WCH27	WCH	PreP	Goat	Humerus	W	431.4	43.1	-20.0	-20.0	0.09	152.2	15.2	5.9	5.9	0.19	3.3	3.7	Good	151021A
WCH28	WCH	PreP	Goat	Humerus	W	457.7	42.8	-20.0	-20.0	0.09	163.7	15.3	4.9	4.9	0.20	3.3	3.9	Good	151021A
WCH29	WCH	PreP	Goat	Humerus	W	209.9	18.9	-20.1	-20.1	0.09	73.5	6.6	4.8	4.9	0.20	3.3	3.2	Good	151021A
WCH30	WCH	PreP	Goat	Humerus	W	462.3	40.2	-19.8	-19.8	0.09	167.0	14.5	4.1	4.1	0.20	3.2	4.5	Good	151021A
WCH31	WCH	PreP	Goat	Humerus	W	396.3	37.0	-19.4	-19.5	0.14	144.8	13.5	9.5	9.5	0.21	3.2	3.2	Good	151021B
WCH32	WCH	PreP	Goat	Humerus	W	284.6	26.4	-19.7	-19.7	0.09	101.7	9.4	5.1	5.1	0.20	3.3	4.8	Good	151021A
WCH33	WCH	PreP	Goat	Humerus	W	441.9	41.7	-19.5	-19.4	0.07	158.0	14.9	6.0	6.2	0.16	3.3	9.5	Good	151207B
WCH34	WCH	PreP	Dog	Femur	?	224.8	19.7	-19.9	-19.8	0.07	74.3	6.5	2.3	2.4	0.20	3.5	2.3	Good	151207B
WCH38	WCH	PreP	Sheep	Mandible	(U)	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	2.3	PCP	n/a
WCH40	WCH	PreP	Goat	Mandible	W	455.7	44.7	-20.2	-20.1	0.07	155.7	15.3	6.0	6.2	0.16	3.4	1.7	Good	151207B
WCH41	WCH	PreP	Goat	Mandible	W	25.6	2.2	-22.2	-22.1	0.06	5.6	0.5	2.9	3.0	0.19	5.4	1.5	High C:N	151207B
WCH42	WCH	PreP	Goat	Mandible	(U)	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	0.7	PCP	n/a
WCH43	WCH	PreP	Goat	Mandible	W	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	2.9	PCP	n/a

Sample quality

BAE=bad analytical environment; PCP=poor collagen preservation

Weaning status

U=potentially unweaned/recently weaned (unfused distal humerus/proximal radius; mandibular 1st molar unerupted, erupting or just in wear); (U)=probably not unweaned/recently weaned (fusing distal humerus/proximal radius; 1st mandibular molar in wear and 2nd unerupted); W=weaned (fused distal humerus/proximal radius or later fusing element; mandibular 2nd molar erupting or in wear); (W)=weaned (bone size/robusticity suggests adult); ?=weaning status unknown