

Supporting Table S6. Organ weights, kcal, and ascorbic acid content of a medium-sized woolly mammoth (~4,000 kg)^a

	Body%	g	Energy kcal/g	Total kcal	Vit C mg/g	Vit C in organs mg	Reference for Vit C	Reference for %organ wt	Reference for Energy (kcal)
<i>Viscera</i>									
Adrenal	0.0154	614.1	0.680	418	0.392	240.7	Rodahl (1949) ^b	Crile and Quiring (1940) ^c	Estimated as testes
Bile	0.0398	1592.7	0.045	72	0.01	15.9	Rodahl (1949) ^b	Kirton <i>et al.</i> (1972) ^d	Derived from Barrett (2012) ^e
Blood	3.4052	136,206.9	0.700	95,345	0.0007	95.3	Richmond <i>et al.</i> (1940) ^f	Awuk and Tamir (2007) ^f	Nollet and Toldrá (2011) ^f
Brain	0.0900	3600.0	1.234	4442	0.128	460.8	Rodahl (1949) ^b	Crile and Quiring (1940) ^g	Guil-Guerrero (2017) ^h
Digestive tract	5.8649	234,595.1	0.960	225,211	0.074	17,360.0	Rodahl (1949) ^b	Crile and Quiring (1940) ^c	Kuhnlein and Soueida (1992) ⁱ
Epididymis	0.1098	4391.1	1.250	5489	0.042	184.4	Rodahl (1949) ^b	Bercovitch and Rodriguez (1993) ^j	Estimated as testes
Eyes	0.0393	1573.1	3.260	5128	0.007	11.0	Rodahl (1949) ^b	Crile and Quiring (1940) ^d	USDA, FDC ID: 169801 ⁱ
Heart	0.3900	15,600.0	1.092	17,027	0.015	234.0	Fediuk <i>et al.</i> (2002) ⁱ	Crile and Quiring (1940) ^g	Kuhnlein and Soueida (1992) ⁱ ; Kuhnlein <i>et al.</i> (2002) ⁱ
Kidney	0.2700	10,800.0	0.917	9901	0.059	637.2	Fediuk <i>et al.</i> (2002) ⁱ	Crile and Quiring (1940) ^g	Guil-Guerrero (2017) ^h
Liver	1.6200	64,800.0	1.806	117,029	0.104	6739.2	Fediuk <i>et al.</i> (2002) ⁱ ; Hassan <i>et al.</i> (2012) ⁱ	Crile and Quiring (1940) ^g	Kuhnlein <i>et al.</i> (2002) ⁱ
Lung	1.5708	62,832.4	0.840	52,779	0.081	5089.4	Rodahl (1949) ^b	Crile and Quiring (1940) ^c	Kuhnlein and Soueida (1992) ⁱ
Pancreas	0.1405	5620.0	2.350	13,207	0.039	219.2	Rodahl (1949) ^b	Sebsibe <i>et al.</i> (2007) ^f	USDA, FDC ID: 169452 ^k
Spleen	0.4071	16,284.1	0.901	14,672	0.06	977.0	Rodahl (1949) ^b	Crile and Quiring (1940) ^c	Guil-Guerrero (2017) ^h
Testes	0.5160	20,641.2	0.680	14,036	0.182	3756.7	Rodahl (1949) ^b	Kirton <i>et al.</i> (1972) ^d	USDA, FDC ID: 172619 ^d
Tongue	0.1891	7563.6	2.600	19,665	0.010	75.6	Rodahl (1949) ^b	Kirton <i>et al.</i> (1972) ^d	USDA, FDC ID: 168985 ⁱ
Thyroid	0.0196	783.1	0.680	533	0.038	29.8	Rodahl (1949) ^b	Kirton <i>et al.</i> (1972) ^d	Estimated as testes
<i>Total viscera</i>		587,497.5	-	610,662	-	36,126.4	-	-	-
Bones	14.2750	571,000.0	-	-	-	-	-	Adamczewski <i>et al.</i> (1997) ^b	-
Bone marrow	2.5000	100,000.0	4.837	483,700	-	-	Hassan <i>et al.</i> (2012) ⁱ	Nieminen and Laitinen (1986) ⁱ	Guil-Guerrero (2017) ^h
Dissectible fat	17.7099	708,396.9	6.828	4,836,934	-	-	Geraci and Smith (1979) ⁱ ; Hassan <i>et al.</i> (2012) ⁱ	Adamczewski <i>et al.</i> (1997) ^b	Guil-Guerrero (2017) ^c
<i>Total fat</i>	20.2099	808,396.9	-	5,320,634	-	-	-	-	-
<i>Muscles</i>	41.9084	1,676,335.9	0.919	1,540,553	0.005	8381.7	Lee <i>et al.</i> (2007) ^c ; USDA, FDC ID: 175086 ^c	Crile and Quiring (1940) ^b	Guil-Guerrero (2017) ^c
<i>Skin</i>	9.0043	360,172.4	3.5	1,260,603	-	-	USDA, FDC ID: 2341308 ^l	Awuk and Tamir (2007) ^f	USDA, FDC ID: 2341308 ^l
<i>Rest</i> ^m	3.6675	146,699.2	1.0000	146,699	0.0010	146.7	Estimated	Estimated	Estimated

^a Body live weight was taken from Velichko and Zelikson (2005); ^b Muskox sample; ^c Horse sample; ^d Sheep sample; ^e Based on 0.51% fats in bile; ^f Goat sample; ^g Elephant sample; ^h Mean for several food animals; ⁱ *Rangifer* sample; ^j Macaco sample; ^k Beef sample; ^l Pork skin rinds; ^m Tendon, blood vessels, etc.

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