

Supporting Material

Auditory region circulation in Lagomorpha: the internal carotid artery pattern revisited

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Table S1. Studied fossil and extant Lagomorpha

Fossil specimens were scanned with Phoenix v|tome|x L 240 scanner (GE Measurement & Control Solutions) at AMNH scanning facility, New York, NY, USA.

Almost all extant specimens were scanned with a v|tome|x s (GE phoenix|x-ray) at Institut für Geowissenschaften, Universität Bonn, Germany. *Nesolagus netscheri* was scanned with a Skyscan 1172 scanner (Bruker microCT) at Museum Naturalis, Leiden, the Netherlands, *Nesolagus timminsi* was scanned with a Nikon Metrology HMX ST 225 at the Natural History Museum, London, UK, and *Pentalagus furnessi* was scanned with a TomoScope HV 500 (Werth Messtechnik GmbH Gießen) at Fraunhofer IIS, Deggendorf, Germany. *Brachylagus idahoensis* was scanned with Phoenix v|tome|x L 240 scanner (GE Measurement & Control Solutions) at the AMNH scanning facility, New York, NY, USA.

Abbreviations: AMNH = American Museum of Natural History, New York, NY, United States; FMNH = Field Museum of Natural History, Chicago, IL, United States; MfN = Museum für Naturkunde Berlin, Germany; Naturalis = Museum Naturalis, Leiden, the Netherlands; NHMB = Naturhistorisches Museum Basel, Switzerland; NHMUK = Natural History Museum, London, UK; NRS = Naturhistoriska riksmuseet, Stockholm, Sweden; NSMT = National Museum of Nature and Science, Tokyo, Japan; SMNS = Staatliches Museum für Naturkunde Stuttgart, Germany; STIPB = mammal collection at Institut für Geowissenschaften, Universität Bonn, Germany; ZFMK = Zoologisches Forschungsmuseum Alexander Koenig, Bonn, Germany.

Species	Specimen ID	Collection	Voltage (kV)	Current (µA)	Time (ms)	Isotropic voxel size (mm)
<i>Palaeolagus haydeni</i>	PM 9476	FMNH	170	170	333	0.05069045 / 0.03648654
<i>Palaeolagus haydeni</i>	AMNH FM 143957	AMNH	190	110	333	0.02835610
<i>Palaeolagus burkei</i>	AMNH 8709	AMNH	140	140	1000	0.037873
<i>Archaeolagus ennisianus</i>	AMNH FM 7190	AMNH	-	-	-	0.04472337
<i>Litolagus molidens</i>	AMNH FM 143955	AMNH	145	125	333	0.02163953
<i>Megalagus turgidus</i>	FMNH UC 1642	FMNH	155	145	600	0.02254351
<i>Prolagus sardus</i>	AMNH 116812	AMNH	130	130	1000	0.01812525
Extant species						
<i>Oryctolagus cuniculus</i>	M4860	STIPB				0.04619
<i>Romerolagus diazi</i>	10977	NHMB	150	150	400	0.03379
<i>Pentalagus furnessi</i>	M 12940	NSMT	150	300	666	0.0499
<i>Nesolagus timminsi</i>	1997_396	NHMUK	160	175	250	0.028069
<i>Nesolagus netscheri</i>	3741	Naturalis	100	100	700	0.01317

<i>Poelagus marjorita</i>	28732	SMNS	200	150	333	0.04247
<i>Pronolagus rupestris</i>	47527	MfN	170	150	400	0.04259
<i>Pronolagus randensis</i>	56581	ZFMK	150	150	400	0.03862
<i>Pronolagus cf. saundersiae</i>	1037	MfN	180	140	400	0.04236
<i>Caprolagus hispidus</i>	A585848	NRS	140	120	500	0.04605
<i>Lepus sinensis</i>	A591808	NRS	150	300	200	0.03893
<i>Lepus europaeus</i>	M6240	STIPB	160	150	333	0.04890
<i>Lepus tolai</i>	A591226	NRS	150	180	200	0.04788
<i>Lepus californicus</i>	M1163	STIPB	140	200	400	0.03856
<i>Lepus arcticus</i>	A581919	NRS	150	140	400	0.06089
<i>Lepus oiostolus</i>	A592115	NRS	160	140	500	0.04723
<i>Lepus peguensis</i>	A606239	NRS	140	120	400	0.04647
<i>Lepus timidus</i>	M1195	NRS	140	180	400	0.04623
<i>Lepus townsendii</i>	A593337	NRS	160	150	400	0.04848
<i>Sylvilagus nuttallii</i>	A594342	NRS	160	150	500	0.04679
<i>Sylvilagus brasiliensis</i>	A583938	NRS	160	150	500	0.04686
<i>Sylvilagus floridanus</i>	A592107	NRS	130	260	333	0.04431
<i>Sylvilagus graysoni</i>	A581790	NRS	160	140	500	0.03315
<i>Brachylagus idahoensis</i>	AMNH 33647	AMNH	150	180	333	0.02261
<i>Ochotona alpina</i>	100488	MfN	150	130	500	0.02501
<i>Ochotona dauurica</i>	A593017	NRS	150	140	500	0.02218
<i>Ochotona rutila</i>	A587567	NRS	140	140	400	0.02421
<i>Ochotona thibetana</i>	A587570	NRS	150	120	400	0.01808
<i>Ochotona collaris</i>	M 1165	STIPB	150	140	500	0.03014