

Online Supplement – Ekdale and Racicot, *Anatomical evidence for low frequency sensitivity in an archaeocete whale*

Table S1. Parameters used during novel CT scanning of cetaceans considered here. Daggers (†) indicate extinct taxa.

Parameter abbreviations: Interslice – interslice spacing in μm ; Interpixel – interpixel spacing in μm , calculated as field of reconstruction / image resolution; Reconstruction – field of reconstruction in mm; Resolution – image resolution of individual CT slices in pixels; Spec No – specimen numbers. Institutional abbreviations: HSU VM – Humboldt State University, Arcata, CA; LACM – Natural History Museum Los Angeles County, Los Angeles, CA; SDNHM/SDSNH – San Diego Natural History Museum, San Diego, CA; USNM – United States National Museum of Natural History, Washington, DC.

Taxon	Spec. No.	Interslice	Interpixel	Reconstruction	Resolution
<i>Balaena mysticetus</i>	LACM 97312	42.70	29.30	30.0	1024X1024
<i>Balaenoptera acutorostrata</i>	SDNHM 23642	69.09	29.30	30.0	1024X1024
Balaenopteridae†	SDSNH 83695	34.72	24.41	25.0	1024X1024
Eschrichtiidae†	SDSNH 65021	34.72	24.41	25.0	1024X1024
<i>Eschrichtius robustus</i> (adult)	SDNHM 24316	42.70	29.30	30.0	1024X1024
<i>Eschrichtius robustus</i> (neonate)	SDNHM 23762	42.70	29.30	30.0	1024X1024
<i>Eubalaena glacialis</i>	LACM 54763	34.85	32.23	33.0	1024X1024
" <i>Megaptera</i> " <i>miocaena</i> †	USNM V 10300	34.85	24.41	25.0	1024X1024
<i>Megaptera novaeangliae</i>	HSU VM 2776	34.85	29.79	30.5	1024X1024
<i>Zygorhiza kochii</i> †	USNM PAL 214433	34.85	24.41	25.0	1024X1024