

## Supplemental Data Tables

**Supplemental Table 2.** The long bone measurements of all species collected from the Natural History Museum (London) are shown, with the Intermembral Index (IMI) calculated from them. Species are listed under the name being used in this study, with the specimen number and name used in the collection listed alongside. Bone lengths listed are the mean of values obtained from measurements of the specimen.

Scientific Name	Specimen Number	Specimen Name	Humerus length (mm)	Radius length (mm)	Femur length(mm)	Tibia length (mm)	IMI
<i>Callicebus melanochir</i>	BNHM 3.9.5.160	<i>Callithrix gigot</i>	46.59	42.36	61.82	60.87	72.50
<i>Callicebus melanochir</i>	BNHM H46.56	<i>Callithrix gigot</i>	46.52	42.46	61.76	60.58	72.73
<i>Alouatta macconnelli</i>	BNHM 1952.857	<i>Alouatta seniculus macconnelli</i>	170.29	133.87	174.11	159.33	91.22
<i>Alouatta guariba</i>	BNHM 1866.4.25.10	<i>Alouatta fusca</i>	134.33	117.56	141.60	123.25	95.11
<i>Lagothrix cana</i>	BNHM 1965.9.24.1	<i>Lagothrix cana olivacea</i>	172.70	148.75	176.49	156.85	96.43
<i>Aotus trivirgatus</i>	BNHM 3.9.1.8	<i>Aotus trivirgatus</i>	73.41	69.24	96.87	91.77	75.62
<i>Aotus trivirgatus</i>	BNHM 1858.5.26.26	<i>Aotus felinus/ Aotus trivirgatus</i>	71.17	62.64	94.99	86.60	73.69
<i>Aotus lemurinus</i>	BNHM 1863.11.30.1	<i>Aotus lemurinus</i>	58.11	52.31	75.89	74.92	73.22