

Table 1: Neuroanatomical measurements. Species median measurements for previously reported cerebral volumes [Heuer et al., 2019](#) are reported alongside cerebellar and ansiform area volumes (in mm³). Species ratios between median cerebellar and cerebral volumes, and ansiform area and cerebellar volumes are also given (in percentages). Species are ordered by the phylogenetic tree and clades are colored to correspond to [Heuer et al. 2019](#). For six species (*Ateles paniscus*, *Homo sapiens*, *Macaca fascicularis*, *Macaca mulatta*, *Pan troglodytes*, and *Saimiri sciureus*) several specimens were available. For these species, median absolute deviations are also reported. Some specimens were recorded as outliers and removed before subsequent analyses. These include a Crab-eating macaque and Rhesus monkey, which had outliers in their cerebellar and cerebral volumes, as marked by the asterisks. Gal. = Galagonidae; Lor. = Loridae; Cerco. = Cercopithecini.

	Species	Cerebellar volume	Cerebral volume	Ansiform area volume	Cerebellum-cerebrum ratio	Ansiform area-cerebellum ratio
Lor. Gal.	Demidoff's galago (1)	320	1,925		16.65	
Lor.	Red slender loris (1)	447	3,071		14.54	
Lemuriformes	Aye-aye (1)	3,032	17,151	374	17.68	12.33
	Black-and-white ruffed lemur (1)	3,377	16,032		21.06	
	Ring-tailed lemur (1)	2,035	12,658		16.08	
	Mongoose lemur (1)	3,224	14,495		22.24	
	Red-tailed sportive lemur (1)	882	4,087		21.59	
	Coquerel's mouse lemur (1)	884	3,885		22.75	
	Grey mouse lemur (1)	170	809		20.99	
	Squirrel monkey (2)	920 ± 55	8,540 ± 1,263		10.93 ± 2.26	
Cebidae	Tufted capuchin (1)	5,191	36,285	1,012	14.31	19.50
	White-faced sapajou (1)	4,274	4,005		10.67	
	Cotton-top tamarin (1)	750	6,254		11.99	
	Black-pencilled marmoset (1)	485	3,938		12.31	
	Douroucoulis (1)	1,627	11,746	217	13.85	13.31
Atelidae	Woolly monkey (1)	5,595	49,385	874	11.33	15.62
	Black spider monkey (2)	8,903 ± 1,411	77,381 ± 10,948		11.49 ± 0.20	
	Orangutan (1)	25,757	184,458	6,081	13.96	23.61
Hominidea	Chimpanzee (9)	57,047 ± 6,915	284,482 ± 26,063	15,544 ± 1,932	18.36 ± 3.56	29.73 ± 3.69
	Bonobo (1)	48,408	243,036	6,627	19.92	13.69
	Human (10)	142,171 ± 18,710	1,005,711 ± 179,368	43,726 ± 5,003	14.26 ± 1.75	29.79 ± 1.91
	Western lowland gorilla (1)	58,402	237,690	13,107	24.57	22.44
	Eastern gorilla (1)	46,163	272,908		16.92	
Colobinae	Gibbon (1)	8,681	60,685		14.31	
	Indochinese lutung (1)	3,756	37,988		9.89	
	Hanuman langur (1)	6,749	49,916		13.52	
Papionini	King colobus (1)	5,787	40,468	842	14.30	14.55
	Rhesus macaque (6)*	10,456* ± 500	75,928* ± 4,689		13.54 ± 0.64	
	Crab-eating macaque (8)*	6,184* ± 955	46,286* ± 9,597		12.89 ± 0.98	
	Hamadryas baboon (1)	9,478	89,861	1,841	10.55	19.42
	Grey-cheeked mangabey (1)	6,320	49,185		12.85	
Cercopithecini	Sooty mangabey (1)	5,362	51,689		10.37	
	Green monkey (1)	4,169	53,627	505	7.77	12.11
	Moustached guenon (1)	3,697	41,538		8.90	