

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-to-cerebrum ratio	Ansiform area-to-cerebellum ratio
Lor. Gal.	Demidoff's galago (1)	320.56	1925.20		16.65	
	Red slender loris (1)	446.66	3071.11		14.54	
Lemuriformes	Aye-aye (1)	3032.44	17151.13	374.00	17.68	12.33
	Black-and-white ruffed lemur (1)	3376.94	16032.39		21.06	
	Ring-tailed lemur (1)	2035.22	12657.73		16.08	
	Mongoose lemur (1)	3223.56	14495.49		22.24	
	Red-tailed sportive lemur (1)	882.28	4087.30		21.59	
	Coquerel's mouse lemur (1)	883.86	3884.83		22.75	
	Grey mouse lemur (1)	169.89	809.31		20.99	
Cebidae	Squirrel monkey (2)	920.02 ± 54.97203	8539.61 ± 1263.189		10.93 ± 2.259856	19.50
	Tufted capuchin (1)	5190.54	36284.50	1012.00	14.31	
	White-faced sapajou (1)	4274.46	40050.73		10.67	
	Cotton-top tamarin (1)	750.05	6254.43		11.99	
	Black-pencilled marmoset (1)	484.89	3937.97		12.31	
	Douroucoulis (1)	1626.50	11745.67	216.50	13.85	13.31
Atelidae	Woolly monkey (1)	5595.23	49384.89	873.75	11.33	15.62
	Black spider monkey (2)	8903.13 ± 1410.568	77381.00 ± 10948.48		11.49 ± 0.1967774	
Hominoidea	Orangutan (1)	25757.33	184458.30	6081.00	13.96	23.61
	Chimpanzee (9)	57047.00 ± 6914.846	284481.75 ± 26063.46	15544.00 ± 1931.828	18.36 ± 3.559383	29.73 ± 3.685869
	Bonobo (1)	48408.38	243035.61	6627.00	19.92	13.69
	Human (10)	142171.00 ± 18709.67	1005711.44 ± 179368.1	43726.00 ± 5003.034	14.26 ± 1.746679	29.79 ± 1.909901
	Gorilla gorilla (1)	58402.17	237689.67	13107.00	24.57	22.44
	Gorilla beringei graueri (1)	46163.15	272907.91		16.92	
	Gibbon (1)	8681.29	60685.46		14.31	
Colobinae	Indochinese lutung (1)	3756.08	37987.58		9.89	
	Hanuman langur (1)	6748.56	49915.83		13.52	
	King colobus (1)	5787.09	40468.39	842.00	14.30	14.55
Papionini	Rhesus monkey (6)*	10455.81* ± 499.6371	75928.21* ± 4689.278		13.54 ± 0.6392553	
	Crab-eating macaque (8)*	6184.34* ± 954.7945	46286.37* ± 9596.98		12.89 ± 0.9847821	
	Hamadryas baboon (1)	9478.30	89861.18	1841.00	10.55	19.42
	Grey-cheeked mangabey (1)	6320.46	49184.95		12.85	
	Sooty mangabey (1)	5362.43	51689.04		10.37	
Cerco.	Green monkey (1)	4169.02	53627.05	505.00	7.77	12.11
	Moustached guenon (1)	3697.30	41537.90		8.90	