***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.*

**Lor.**

**Lemuriformes**

**Cebidae**

**Atelidae**

**Hominidea**

**Colobinae**

**Gal.**

**Papionini**

**Cerco.**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| *Species* | *Cerebellar volume* | *Cerebral*  *volume* | *Ansiform area volume* | *Cerebellum-cerebrum ratio* | *Ansiform area-cerebellum ratio* |
| Demidoff’s galago (1) | 320 | 1,925 |  | 16.65 |  |
| Red slender loris (1) | 447 | 3,071 |  | 14.54 |  |
| 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** |  |
| 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 |  |
| Douroucouli (1) | 1,627 | 11,746 | 217 | 13.85 | 13.31 |
| Wooly 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 |
| 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 |  |
| 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 |  |
| 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 |  |
| 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 |  |