

**Table 2. Cellular composition of primate brains**

## Cortex

Species	n	M (g)	M <sub>BR</sub> , %	N <sub>neur</sub> , %	N <sub>neur</sub>	D <sub>neur</sub>	N <sub>neurBR</sub> , %	N <sub>non-neur</sub>	D <sub>nn</sub>	N <sub>nneurBR</sub> , %
<i>Tupaia glis</i>	2	1.455 ± 0.174	52.9 ± 6.1	40.5 ± 13.1	60.39 ± 26.51 x 10 <sup>6</sup>	42.90 ± 23.35 x 10 <sup>3</sup>	15.9	85.58 ± 8.40 x 10 <sup>6</sup>	58.90 ± 1.27 x 10 <sup>3</sup>	45.8
<i>Callithrix jacchus</i>	3	5.561 ± 0.443	71.6 ± 3.0	37.7 ± 5.9	244.72 ± 81.18 x 10 <sup>6</sup>	44.28 ± 15.90 x 10 <sup>3</sup>	37.8 ± 5.6	395.34 ± 58.79 x 10 <sup>6</sup>	71.80 ± 14.88 x 10 <sup>3</sup>	66.8 ± 3.6
<i>Otolemur garnetti</i>	3	6.290 ± 0.863	66.8 ± 1.5	35.8 ± 13.1	226.09 ± 87.57 x 10 <sup>6</sup>	37.82 ± 20.50 x 10 <sup>3</sup>	18.9 ± 0.8	402.07 ± 74.79 x 10 <sup>6</sup>	63.61 ± 3.40 x 10 <sup>3</sup>	67.1 ± 9.4
<i>Aotus trivirgatus</i>	2	10.617 ± 0.610	70.2	38.8 ± 9.5	441.90 ± 111.31 x 10 <sup>6</sup>	41.99 ± 12.90 x 10 <sup>3</sup>	24.7	695.42 ± 103.00 x 10 <sup>6</sup>	65.33 ± 5.95 x 10 <sup>3</sup>	64.3
<i>Saimiri sciureus</i>	2	20.652 ± 0.368	69.2	45.5 ± 0.2	1.34 ± 0.02 x 10 <sup>9</sup>	64.93 ± 7.42 x 10 <sup>3</sup>	41.8	1.61 ± 0.04 x 10 <sup>9</sup>	77.84 ± 0.79 x 10 <sup>3</sup>	79.0
<i>Cebus apella</i>	1	39.178	75.0	31.0	1.14 x 10 <sup>9</sup>	29.18 x 10 <sup>3</sup>	31.0	2.55 x 10 <sup>9</sup>	64.98 x 10 <sup>3</sup>	77.2
<i>Macaca mulatta</i>	2	69.832	79.9	24.5	1.71 x 10 <sup>9</sup>	24.47 x 10 <sup>3</sup>	26.8	5.27 x 10 <sup>9</sup>	75.40 x 10 <sup>3</sup>	73.5

## Cerebellum

Species	n	M (g)	M <sub>BR</sub> , %	N <sub>neur</sub> , %	N <sub>neur</sub>	D <sub>neur</sub>	N <sub>neurBR</sub> , %	N <sub>nn</sub>	D <sub>nneur</sub>	N <sub>nneurBR</sub> , %
<i>Tupaia glis</i>	2	0.326 ± 0.018	11.8 ± 0.7	90.3 ± 0.1	185.28 ± 16.98 x 10 <sup>6</sup>	571.46 ± 83.20 x 10 <sup>3</sup>	75.5	19.98 ± 1.51 x 10 <sup>6</sup>	61.60 ± 7.99 x 10 <sup>3</sup>	10.5
<i>Callithrix jacchus</i>	3	0.730 ± 0.039	9.4 ± 0.4	87.9 ± 2.1	361.37 ± 28.53 x 10 <sup>6</sup>	494.97 ± 25.74 x 10 <sup>3</sup>	57.6 ± 6.0	49.49 ± 6.77 x 10 <sup>6</sup>	68.17 ± 12.21 x 10 <sup>3</sup>	8.4 ± 1.3
<i>Otolemur garnetti</i>	3	1.196 ± 0.105	12.2 ± 1.2	91.9 ± 2.0	743.50 ± 52.45 x 10 <sup>6</sup>	623.08 ± 45.72 x 10 <sup>3</sup>	79.0 ± 1.9	65.96 ± 20.29 x 10 <sup>6</sup>	54.46 ± 11.89 x 10 <sup>3</sup>	11.1 ± 1.8
<i>Aotus trivirgatus</i>	2	1.732 ± 0.218	10.0	87.8 ± 3.6	1.04 ± 0.02 x 10 <sup>9</sup>	605.08 ± 90.57 x 10 <sup>3</sup>	71.9	145.27 ± 45.03 x 10 <sup>6</sup>	82.89 ± 15.58 x 10 <sup>3</sup>	9.5
<i>Saimiri sciureus</i>	2	4.300	14.2	93.2	1.82 x 10 <sup>9</sup>	424.00 x 10 <sup>3</sup>	56.2	133.02 x 10 <sup>6</sup>	30.94 x 10 <sup>3</sup>	6.4
<i>Cebus apella</i>	1	4.600	8.8	91.0	2.49 x 10 <sup>9</sup>	540.31 x 10 <sup>3</sup>	67.4	245.81 x 10 <sup>6</sup>	53.44 x 10 <sup>3</sup>	7.4
<i>Macaca mulatta</i>	2	7.694	8.8	83.0	4.55 x 10 <sup>9</sup>	590.80 x 10 <sup>3</sup>	71.3	931.03 x 10 <sup>9</sup>	121.01 x 10 <sup>3</sup>	13.0

## Remaining areas

Species	<i>n</i>	M (g)	M <sub>BR</sub> , %	N <sub>n</sub> , %	N <sub>neur</sub>	D <sub>neur</sub>	N <sub>nBR</sub> , %	N <sub>nneur</sub>	D <sub>nn</sub>	N <sub>nneursBR</sub> , %
<i>Tupaia glis</i>	2	0.919 ± 0.072	35.3 ± 5.4	20.5	22.48 x 10 <sup>6</sup>	25.90 x 10 <sup>3</sup>	8.6	87.08 x 10 <sup>6</sup>	100.32 x 10 <sup>3</sup>	43.6
<i>Callithrix jacchus</i>	3	1.489 ± 0.317	19.0 ± 3.2	16.6 ± 2.1	29.72 ± 9.35 x 10 <sup>6</sup>	19.65 ± 2.84 x 10 <sup>3</sup>	4.6 ± 1.0	145.91 ± 27.83 x 10 <sup>6</sup>	98.37 ± 4.20 x 10 <sup>3</sup>	24.8 ± 4.6
<i>Otolemur garnetti</i>	3	2.131 ± 0.021	21.0 ± 0.3	11.9 ± 2.2	20.80 ± 12.82 x 10 <sup>6</sup>	9.73 ± 5.92 x 10 <sup>3</sup>	2.2 ± 1.1	147.44 ± 64.5 x 10 <sup>6</sup>	69.04 ± 29.41 x 10 <sup>3</sup>	21.8 ± 7.6
<i>Aotus trivirgatus</i>	2	3.104	19.7	13.6	49.34 x 10 <sup>6</sup>	15.90 x 10 <sup>3</sup>	3.4	313.46 x 10 <sup>6</sup>	100.99 x 10 <sup>3</sup>	26.2
<i>Saimiri sciureus</i>	2	5.004	16.6	17.0	65.53 x 10 <sup>6</sup>	13.09 x 10 <sup>3</sup>	2.0	302.59 x 10 <sup>6</sup>	60.47 x 10 <sup>3</sup>	14.6
<i>Cebus apella</i>	1	8.430	16.1	10.9	61.85 x 10 <sup>6</sup>	7.34 x 10 <sup>3</sup>	1.7	506.11 x 10 <sup>6</sup>	60.04 x 10 <sup>3</sup>	15.4
<i>Macaca mulatta</i>	2	9.204 ± 0.871	11.2	11.2	121.90 x 10 <sup>6</sup>	12.41 x 10 <sup>3</sup>	1.9	966.52 x 10 <sup>9</sup>	98.42 x 10 <sup>3</sup>	13.5

All values are given as mean +/- SD.

*n*, number of individuals analysed.

M, mass of structure (in grams).

% M<sub>BR</sub>, percent of total brain mass contained in structure.

N<sub>c</sub>, number of cells in structure.

D<sub>c</sub>, density of cells per mg of tissue in structure.

% N<sub>cBR</sub>, percent of total brain cells contained in structure.

% N<sub>n</sub>, percent of cells in the structure that are neurons.

N<sub>n</sub>, number of neurons in structure.

D<sub>n</sub>, density of neurons per mg of tissue in structure.

% N<sub>nBR</sub>, percent of total brain neurons contained in structure.

N<sub>nn</sub>, number of nonneuronal cells in structure.

D<sub>nn</sub>, density of nonneuronal cells per mg of tissue in structure.

%  $N_{nnBR}$ , percent of total brain nonneuronal cells contained in structure.