

Table S1- Regional fractional volumes of key neuroanatomical regions across species. For cross-species comparison, established MRI atlases from humans (mixed-sex population template; 609 males, 721 females)^{1,2} rhesus macaques (10 adults, 2–11 years; 7 males, 3 females)³, pigs (20 males, 4 weeks)⁴, ferrets (26 in vivo and 8 ex vivo scans, 5–10 months)⁵, rats (6 adult male Wistar)⁶, and mice (14 males, 8 weeks old)⁷⁻⁹ were used.

	Human	Primate	Pig	Ferret	Rat	Mouse
CorticalGM	39.30%	47.46%		42.35%	36.12%	27.88%
GrayMatter	11.93%	12.81%	22.49%	17.98%	20.90%	22.73%
NotMapped		2.32%			5.75%	9.02%
SubCorticalGM	4.46%	11.34%	9.95%	13.90%	26.72%	28.79%
Sulcus				3.89%		
WhiteMatter	42.78%	27.37%	37.40%	21.48%	10.51%	9.14%

	Human	Primate	Pig	Ferret	Rat	Mouse
Amygdala	0.24%	0.65%	0.02%	0.25%	2.20%	2.96%
Brainstem	2.12%	3.19%	5.73%	5.58%	9.79%	6.28%
Caudate	0.70%	1.66%	0.85%	1.88%		
Cerebellum	11.54%	9.54%	0.66%	14.74%	15.16%	10.24%
Cingulum				0.45%	0.29%	0.15%
CorpusCallosum	0.22%		0.66%	1.09%	3.56%	1.54%
CortexWM	39.90%	25.46%	37.40%	10.34%		
Fornix				0.97%	0.77%	0.60%
Hippocampus	0.73%	1.08%	1.28%	3.63%	7.39%	5.93%
Hypothalamus	0.78%	0.43%	0.24%	1.23%	2.47%	2.85%
Putamen	0.97%	2.16%	5.18%	0.21%	4.74%	5.68%
Thalamus	1.38%	2.91%	1.79%	3.51%	4.24%	4.72%

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