

Supplementary Table 1: Dataset of individual spinal cord measurements

<b>Species</b>	<b>Case</b>	<b>cord mass (g)</b>	<b>body mass (g)</b>	<b># cells</b>	<b>% neurons</b>	<b># neurons</b>	<b># non-neurons</b>	<b>length (mm)</b>	<b>sex</b>	<b>age (years)</b>
Rhesus macaque	07-25	9.814	9750	457500000	3.10	14182500	443317500	unknown	male	5.13
Rhesus macaque	07-29	6.029	4700	326080000	2.39	7793312	318286688	unknown	female	5.48
Rhesus macaque	07-30	9.902	9400	336875000	2.73	9196688	327678313	unknown	male	6.16
Rhesus macaque	07-56	8.871	11000	406250000	2.90	11781250	394468750	247.88	male	7.36
Rhesus macaque	07-119	7.9392	7500	421875000	1.67	7057388	414817612	262.48	female	7.88
Long-tailed macaque	07-44	7.4987	5700	372000000	3.06	11383200	360616800	unknown	male	8.25
Bonnet macaque	07-42	10.1222	10200	445000000	2.42	10769000	434231000	unknown	male	11.33
Bonnet macaque	07-82	5.7329	5400	285000000	2.58	7354839	277645161	unknown	female	unknown
Bonnet macaque	07-90	5.961	8850	304187500	n.a.	n.a.	n.a.	245.94	male	11.69
Bonnet macaque	07-91	9.55	7600	448437500	n.a.	n.a.	n.a.	283.25	male	7.68
Owl monkey	07-03	2.1624	1060	98046875	5.31	5206289	92840586	unknown	male	unknown
Owl monkey	07-26	2.62	1750	117562500	6.34	7456989	110105511	unknown	male	unknown
Owl monkey	07-46	1.7969	800	98906250	6.21	6146034	92760216	unknown	male	unknown
Owl monkey	07-50	1.984	1108	96100000	4.72	4535920	91564080	168.88	female	2.35

Owl monkey	07-77	2.4789	1400	107050781	6.07	6500237	100550544	175.83	male	9.33
Owl monkey	07-85	1.9122	1100	88359375	6.34	5603277	82756098	162.48	male	10.62
Owl monkey	07-87	3.1042	1540	98957031	5.30	5243877	93713154	205.62	male	10.37
Owl monkey	07-88	1.7485	974	80664063	7.09	5716351	74947712	163.88	male	unknown
Owl monkey	07-92	2.4204	1200	96562500	7.55	7291091	89271409	153.01	female	4.84
Owl monkey	07-103	1.9872	1100	87132813	5.64	4916054	82216759	unknown	male	6.80
Owl monkey	07-110	2.3504	1250	123925781	4.50	5582242	118343539	159.43	male	7.27
Owl monkey	07-115	1.4439	1100	68565625	8.28	5674397	62891228	unknown	female	7.91
Squirrel monkey	07-118	1.5768	860	96750000	6.14	5942418	90807582	163.15	male	2.95
Squirrel monkey	08-03	1.7177	915	107144531	5.69	6100756	101043775	172.30	female	1.08
Squirrel monkey	08-05	1.5666	950	89527344	2.27	2034712	87492631	172.98	male	7.91
Squirrel monkey	08-09	1.5477	710	90322917	5.21	4702629	85620287	unknown	female	5.16
Marmoset	07-27	0.6213	340	48195313	7.57	3649831	44545482	unknown	male	3.07
Galago	06-80	1.9345	1408	109375000	5.72	6256250	103118750	unknown	male	8.04
Galago	06-81	1.758	1018	96680000	4.60	4447280	92232720	unknown	male	3.20
Galago	07-08	2.1463	1254	91992188	7.36	6770625	85221563	unknown	male	1.95
Galago	07-40	1.5817	1400	119437500	5.59	6673772	112763728	unknown	male	8.18

Galago	07-51	1.73	1000	109687500	n.a.	n.a.	n.a.	159.23	female	3.62
Galago	07-52	1.0441	486	75058600	5.65	4239310	70819290	unknown	female	0.84
Galago	07-65	1.4285	1100	88593750	5.45	4829642	83764108	153.40	female	4.45
Galago	07-73	1.7202	1400	101582031	6.32	6419984	95162047	152.23	male	1.58
Galago	07-75	1.3788	1040	107756250	5.78	6224963	101531287	141.73	female	1.93
Galago	07-79	1.4622	1200	75287500	6.46	4865519	70421981	175.21	male	1.83
Galago	07-83	1.395	1400	78890625	9.91	7821635	71068990	147.03	male	3.92
Galago	07-93	1.443	1100	110507813	5.24	5795166	104712647	166.88	female	1.48
Galago	07-105	1.1688	1100	83020833	5.17	4291335	78729498	155.88	male	1.12
Galago	07-111	1.4975	1000	105218750	6.67	7014583	98204167	132.36	female	1.19
Galago	07-120	1.2318	771	75433594	6.11	4612310	70821283	136.02	female	1.43
Mouse lemur	07-39	0.2353	60	22953125	7.33	1682654	21270471	unknown	male	15.61
Tree shrew	07-12	0.6173	231	41750000	6.64	2773453	38976548	unknown	male	0.33
Tree shrew	07-13	0.5297	192	38390625	4.95	1901104	36489521	unknown	male	0.32
Tree shrew	07-14	0.768	193	50121094	5.03	2520089	47601005	unknown	male	0.32
Tree shrew	07-15	0.6632	197	45773438	5.35	2448879	43324559	unknown	male	0.32
Tree shrew	07-16	0.6163	160	50312500	4.94	2485438	47827063	unknown	female	0.27
Tree shrew	07-17	0.4884	188	36351563	5.99	2176732	34174831	unknown	female	0.27

Tree shrew	07-18	0.5527	149	44000000	5.38	2367200	41632800	unknown	male	0.27
Tree shrew	07-19	0.5985	183	50312500	4.89	2460281	47852219	unknown	female	0.27
Tree shrew	07-58	0.6032	144	43699219	5.88	2570542	41128676	103.23	female	3.05
Tree shrew	07-59	0.6472	155	41062500	4.70	1929938	39132563	100.83	female	2.62
Tree shrew	07-60	0.5935	155	43640625	7.62	3324188	40316437	108.00	female	2.62
Tree shrew	07-69	0.735	170	45500000	7.55	3435543	42064457	99.63	male	2.72
Tree shrew	07-108	0.597	unknown	48083333	5.37	2584133	45499200	unknown	female	8.07
Tree shrew	07-109	0.481	144	46119792	10.04	4628510	41491282	unknown	female	5.85