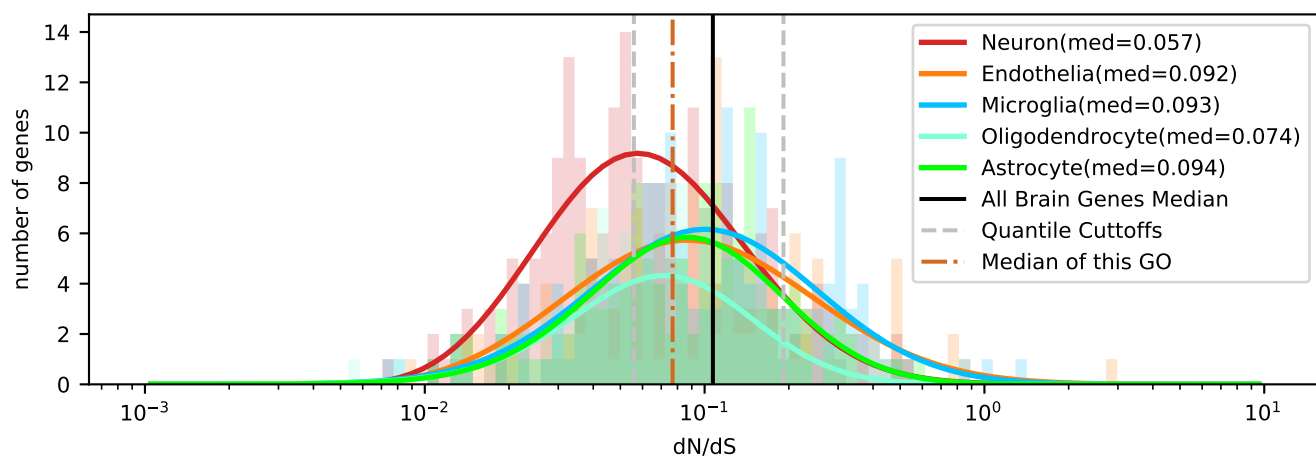


Five Celltypes Distribution of Average dN/dS Scores of Genes Related to cellular component assembly



	< cutoff	other genes	Total
In Astrocyte	40 (45.46)	86 (80.54)	126
Not IN Astrocyte	223 (217.54)	380 (385.46)	603
Total	263	466	729

chi2: 1.022, p: 0.3119875654, OR: 0.79257

	> cutoff	other genes	Total
In Astrocyte	17 (19.36)	109 (106.64)	126
Not IN Astrocyte	95 (92.64)	508 (510.36)	603
Total	112	617	729

chi2: 0.255, p: 0.6137581754, OR: 0.83399

	< cutoff	other genes	Total
In Microglia	40 (55.92)	115 (99.08)	155
Not IN Microglia	223 (207.08)	351 (366.92)	574
Total	263	466	729

chi2: 8.447, p: 0.0036560294, OR: 0.54748

	> cutoff	other genes	Total
In Microglia	36 (23.81)	119 (131.19)	155
Not IN Microglia	76 (88.19)	498 (485.81)	574
Total	112	617	729

chi2: 8.606, p: 0.0033502956, OR: 1.98231

	< cutoff	other genes	Total
In Oligodendrocyte	37 (31.75)	51 (56.25)	88
Not IN Oligodendrocyte	226 (231.25)	415 (409.75)	641
Total	263	466	729

chi2: 1.266, p: 0.2605773725, OR: 1.33221

	> cutoff	other genes	Total
In Oligodendrocyte	6 (13.52)	82 (74.48)	88
Not IN Oligodendrocyte	106 (98.48)	535 (542.52)	641
Total	112	617	729

chi2: 4.898, p: 0.0268912322, OR: 0.36931

	< cutoff	other genes	Total
In Neuron	102 (74.32)	104 (131.68)	206
Not IN Neuron	161 (188.68)	362 (334.32)	523
Total	263	466	729

chi2: 21.678, p: 0.0000032240, OR: 2.20521

	> cutoff	other genes	Total
In Neuron	18 (31.65)	188 (174.35)	206
Not IN Neuron	94 (80.35)	429 (442.65)	523
Total	112	617	729

chi2: 8.997, p: 0.0027046223, OR: 0.43696

	< cutoff	other genes	Total
In Endothelia	44 (55.56)	110 (98.44)	154
Not IN Endothelia	219 (207.44)	356 (367.56)	575
Total	263	466	729

chi2: 4.365, p: 0.0366747963, OR: 0.65023

	> cutoff	other genes	Total
In Endothelia	35 (23.66)	119 (130.34)	154
Not IN Endothelia	77 (88.34)	498 (486.66)	575
Total	112	617	729

chi2: 7.440, p: 0.0063794839, OR: 1.90222