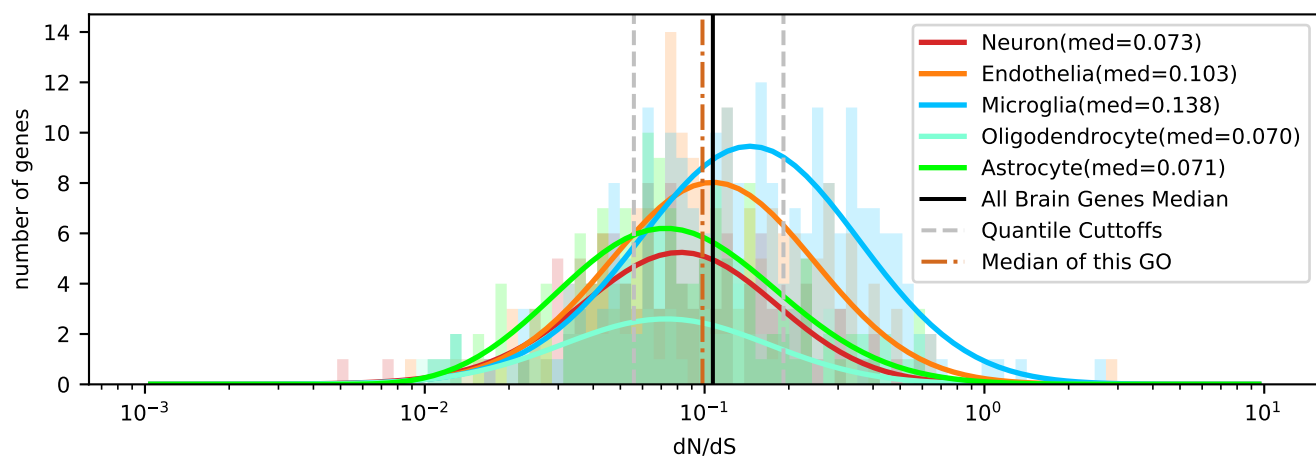


Five Celltypes Distribution of Average dN/dS Scores of Genes Related to cell proliferation



	< cutoff	other genes	Total
In Astrocyte	51 (37.34)	95 (108.66)	146
Not IN Astrocyte	137 (150.66)	452 (438.34)	589
Total	188	547	735

chi2: 7.771, p: 0.0053088947, OR: 1.77119

	> cutoff	other genes	Total
In Astrocyte	22 (36.75)	124 (109.25)	146
Not IN Astrocyte	163 (148.25)	426 (440.75)	589
Total	185	550	735

chi2: 9.213, p: 0.0024034592, OR: 0.46368

	< cutoff	other genes	Total
In Microglia	35 (59.34)	197 (172.66)	232
Not IN Microglia	153 (128.66)	350 (374.34)	503
Total	188	547	735

chi2: 18.807, p: 0.0000144608, OR: 0.40642

	> cutoff	other genes	Total
In Microglia	89 (58.39)	143 (173.61)	232
Not IN Microglia	96 (126.61)	407 (376.39)	503
Total	185	550	735

chi2: 30.308, p: 0.0000000369, OR: 2.63862

	< cutoff	other genes	Total
In Oligodendrocyte	24 (15.35)	36 (44.65)	60
Not IN Oligodendrocyte	164 (172.65)	511 (502.35)	675
Total	188	547	735

chi2: 6.337, p: 0.0118225721, OR: 2.07724

	> cutoff	other genes	Total
In Oligodendrocyte	9 (15.10)	51 (44.90)	60
Not IN Oligodendrocyte	176 (169.90)	499 (505.10)	675
Total	185	550	735

chi2: 3.024, p: 0.0820467547, OR: 0.50033

	< cutoff	other genes	Total
In Neuron	40 (29.16)	74 (84.84)	114
Not IN Neuron	148 (158.84)	473 (462.16)	621
Total	188	547	735

chi2: 5.832, p: 0.0157357180, OR: 1.72754

	> cutoff	other genes	Total
In Neuron	17 (28.69)	97 (85.31)	114
Not IN Neuron	168 (156.31)	453 (464.69)	621
Total	185	550	735

chi2: 6.907, p: 0.0085856795, OR: 0.47257

	< cutoff	other genes	Total
In Endothelia	38 (46.81)	145 (136.19)	183
Not IN Endothelia	150 (141.19)	402 (410.81)	552
Total	188	547	735

chi2: 2.638, p: 0.1043101097, OR: 0.70234

	> cutoff	other genes	Total
In Endothelia	48 (46.06)	135 (136.94)	183
Not IN Endothelia	137 (138.94)	415 (413.06)	552
Total	185	550	735

chi2: 0.080, p: 0.7773389660, OR: 1.07705