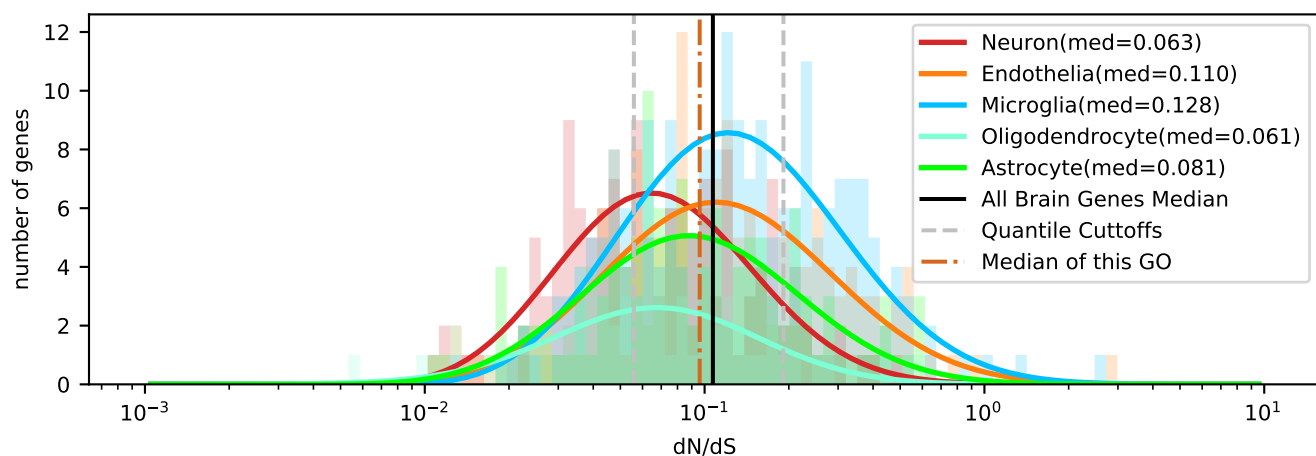


Five Celltypes Distribution of Average dN/dS Scores of Genes Related to cell death



	< cutoff	other genes	Total
In Astrocyte	30 (32.95)	90 (87.05)	120
Not IN Astrocyte	157 (154.05)	404 (406.95)	561
Total	187	494	681

chi2: 0.305, p: 0.5806307850, OR: 0.85775

	> cutoff	other genes	Total
In Astrocyte	25 (28.02)	95 (91.98)	120
Not IN Astrocyte	134 (130.98)	427 (430.02)	561
Total	159	522	681

chi2: 0.358, p: 0.5494686467, OR: 0.83857

	< cutoff	other genes	Total
In Microglia	40 (56.84)	167 (150.16)	207
Not IN Microglia	147 (130.16)	327 (343.84)	474
Total	187	494	681

chi2: 9.305, p: 0.0022856471, OR: 0.53281

	> cutoff	other genes	Total
In Microglia	71 (48.33)	136 (158.67)	207
Not IN Microglia	88 (110.67)	386 (363.33)	474
Total	159	522	681

chi2: 19.061, p: 0.0000126620, OR: 2.28994

	< cutoff	other genes	Total
In Oligodendrocyte	26 (16.48)	34 (43.52)	60
Not IN Oligodendrocyte	161 (170.52)	460 (450.48)	621
Total	187	494	681

chi2: 7.472, p: 0.0062657940, OR: 2.18487

	> cutoff	other genes	Total
In Oligodendrocyte	5 (14.01)	55 (45.99)	60
Not IN Oligodendrocyte	154 (144.99)	467 (476.01)	621
Total	159	522	681

chi2: 7.394, p: 0.0065448534, OR: 0.27568

	< cutoff	other genes	Total
In Neuron	59 (38.17)	80 (100.83)	139
Not IN Neuron	128 (148.83)	414 (393.17)	542
Total	187	494	681

chi2: 18.758, p: 0.0000148416, OR: 2.38535

	> cutoff	other genes	Total
In Neuron	15 (32.45)	124 (106.55)	139
Not IN Neuron	144 (126.55)	398 (415.45)	542
Total	159	522	681

chi2: 14.517, p: 0.0001388659, OR: 0.33434

	< cutoff	other genes	Total
In Endothelia	32 (42.56)	123 (112.44)	155
Not IN Endothelia	155 (144.44)	371 (381.56)	526
Total	187	494	681

chi2: 4.246, p: 0.0393476022, OR: 0.62271

	> cutoff	other genes	Total
In Endothelia	43 (36.19)	112 (118.81)	155
Not IN Endothelia	116 (122.81)	410 (403.19)	526
Total	159	522	681

chi2: 1.859, p: 0.1727825709, OR: 1.35699