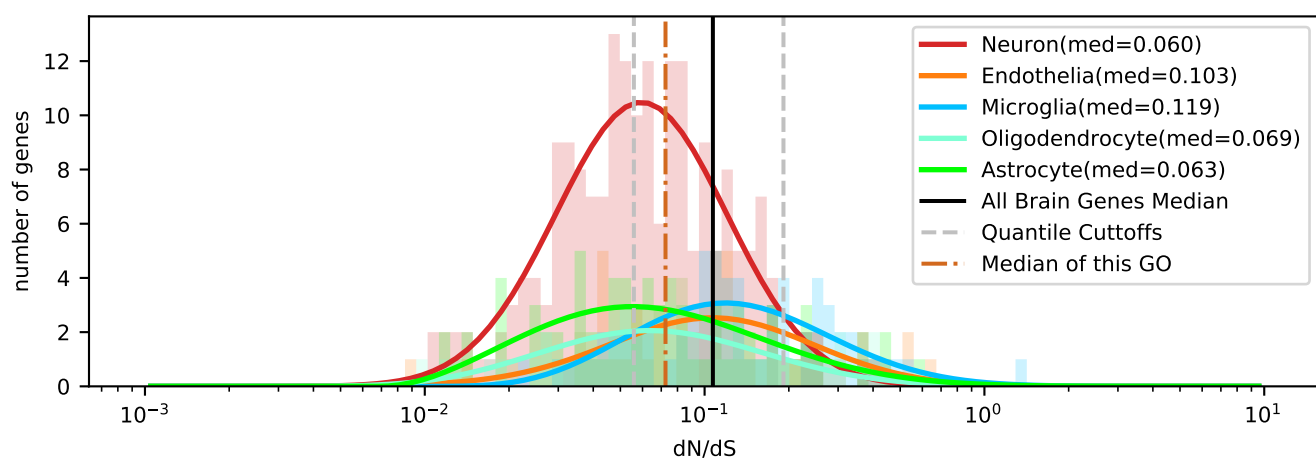


# Five Celltypes Distribution of Average dN/dS Scores of Genes Related to nervous system process



	< cutoff	other genes	Total
In Astrocyte	34 (29.05)	42 (46.95)	76
Not IN Astrocyte	138 (142.95)	236 (231.05)	374
Total	172	278	450

chi2: 1.328, p: 0.2490970840, OR: 1.38440

	> cutoff	other genes	Total
In Astrocyte	10 (9.80)	66 (66.20)	76
Not IN Astrocyte	48 (48.20)	326 (325.80)	374
Total	58	392	450

chi2: 0.012, p: 0.9116294606, OR: 1.02904

	< cutoff	other genes	Total
In Microglia	12 (25.61)	55 (41.39)	67
Not IN Microglia	160 (146.39)	223 (236.61)	383
Total	172	278	450

chi2: 12.762, p: 0.0003537117, OR: 0.30409

	> cutoff	other genes	Total
In Microglia	20 (8.64)	47 (58.36)	67
Not IN Microglia	38 (49.36)	345 (333.64)	383
Total	58	392	450

chi2: 18.436, p: 0.0000175714, OR: 3.86338

	< cutoff	other genes	Total
In Oligodendrocyte	20 (19.11)	30 (30.89)	50
Not IN Oligodendrocyte	152 (152.89)	248 (247.11)	400
Total	172	278	450

chi2: 0.014, p: 0.9044478051, OR: 1.08772

	> cutoff	other genes	Total
In Oligodendrocyte	6 (6.44)	44 (43.56)	50
Not IN Oligodendrocyte	52 (51.56)	348 (348.44)	400
Total	58	392	450

chi2: 0.001, p: 0.9801587271, OR: 0.91259

	< cutoff	other genes	Total
In Neuron	93 (76.06)	106 (122.94)	199
Not IN Neuron	79 (95.94)	172 (155.06)	251
Total	172	278	450

chi2: 10.309, p: 0.0013237079, OR: 1.91020

	> cutoff	other genes	Total
In Neuron	8 (25.65)	191 (173.35)	199
Not IN Neuron	50 (32.35)	201 (218.65)	251
Total	58	392	450

chi2: 23.598, p: 0.0000011873, OR: 0.16838

	< cutoff	other genes	Total
In Endothelia	13 (22.17)	45 (35.83)	58
Not IN Endothelia	159 (149.83)	233 (242.17)	392
Total	172	278	450

chi2: 6.299, p: 0.0120800663, OR: 0.42334

	> cutoff	other genes	Total
In Endothelia	14 (7.48)	44 (50.52)	58
Not IN Endothelia	44 (50.52)	348 (341.48)	392
Total	58	392	450

chi2: 6.398, p: 0.0114249765, OR: 2.51653