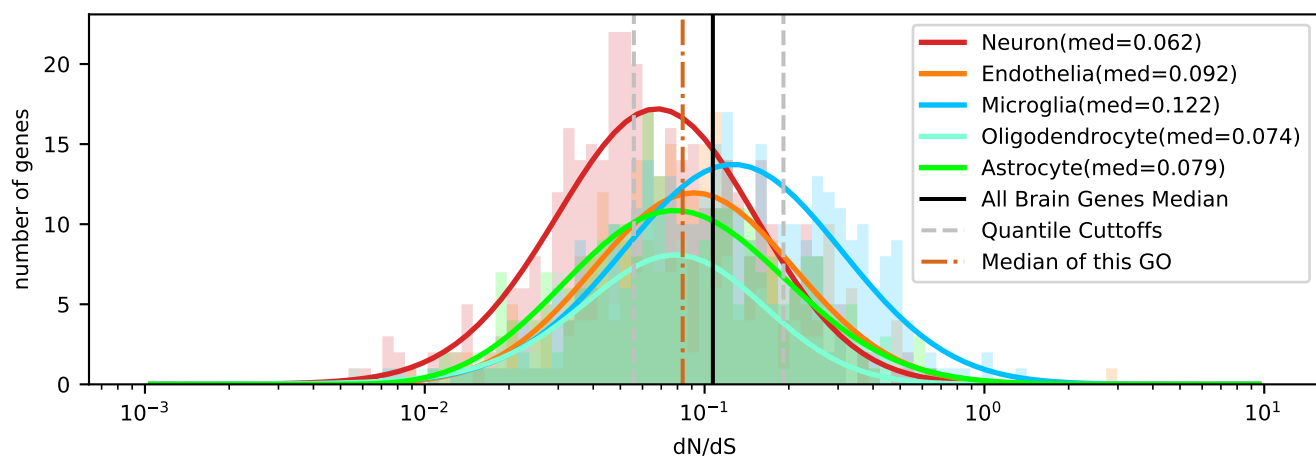


# Five Celltypes Distribution of Average dN/dS Scores of Genes Related to cell differentiation



	< cutoff	other genes	Total
In Astrocyte	86 (82.15)	172 (175.85)	258
Not IN Astrocyte	362 (365.85)	787 (783.15)	1149
Total	448	959	1407

chi2: 0.246, p: 0.6202304323, OR: 1.08702

	> cutoff	other genes	Total
In Astrocyte	48 (49.69)	210 (208.31)	258
Not IN Astrocyte	223 (221.31)	926 (927.69)	1149
Total	271	1136	1407

chi2: 0.043, p: 0.8349065401, OR: 0.94914

	< cutoff	other genes	Total
In Microglia	65 (106.67)	270 (228.33)	335
Not IN Microglia	383 (341.33)	689 (730.67)	1072
Total	448	959	1407

chi2: 30.594, p: 0.0000000318, OR: 0.43308

	> cutoff	other genes	Total
In Microglia	115 (64.52)	220 (270.48)	335
Not IN Microglia	156 (206.48)	916 (865.52)	1072
Total	271	1136	1407

chi2: 62.925, p: 0.0000000000, OR: 3.06935

	< cutoff	other genes	Total
In Oligodendrocyte	58 (52.86)	108 (113.14)	166
Not IN Oligodendrocyte	390 (395.14)	851 (845.86)	1241
Total	448	959	1407

chi2: 0.679, p: 0.4099999780, OR: 1.17184

	> cutoff	other genes	Total
In Oligodendrocyte	18 (31.97)	148 (134.03)	166
Not IN Oligodendrocyte	253 (239.03)	988 (1001.97)	1241
Total	271	1136	1407

chi2: 7.972, p: 0.0047498894, OR: 0.47495

	< cutoff	other genes	Total
In Neuron	169 (121.95)	214 (261.05)	383
Not IN Neuron	279 (326.05)	745 (697.95)	1024
Total	448	959	1407

chi2: 35.820, p: 0.0000000022, OR: 2.10875

	> cutoff	other genes	Total
In Neuron	42 (73.77)	341 (309.23)	383
Not IN Neuron	229 (197.23)	795 (826.77)	1024
Total	271	1136	1407

chi2: 22.556, p: 0.0000020409, OR: 0.42759

	< cutoff	other genes	Total
In Endothelia	70 (84.38)	195 (180.62)	265
Not IN Endothelia	378 (363.62)	764 (778.38)	1142
Total	448	959	1407

chi2: 4.126, p: 0.0422278497, OR: 0.72555

	> cutoff	other genes	Total
In Endothelia	48 (51.04)	217 (213.96)	265
Not IN Endothelia	223 (219.96)	919 (922.04)	1142
Total	271	1136	1407

chi2: 0.193, p: 0.6603761401, OR: 0.91157