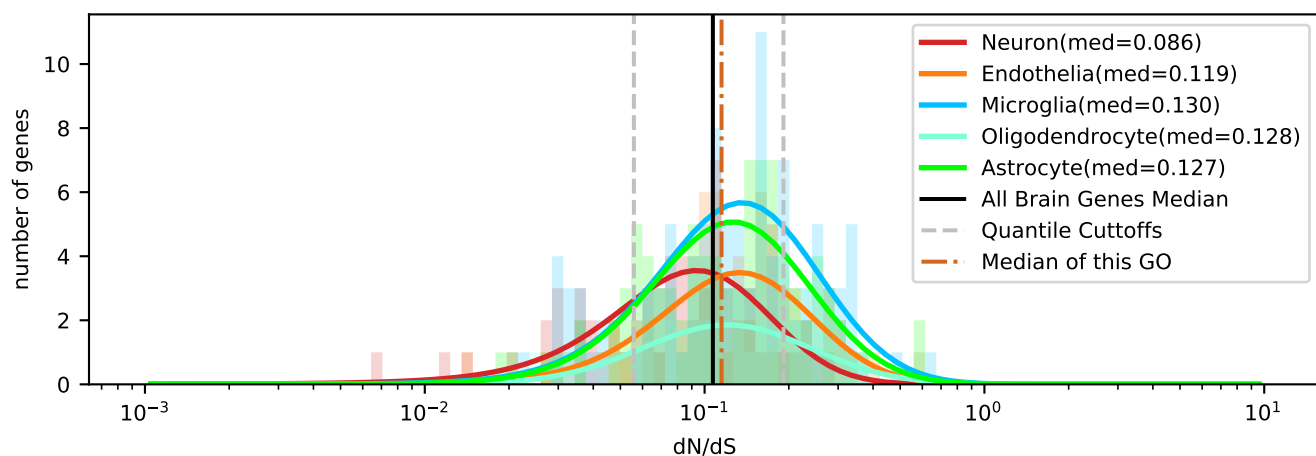


Five Celltypes Distribution of Average dN/dS Scores of Genes Related to lipid metabolic process



	< cutoff	other genes	Total
In Astrocyte	12 (15.09)	78 (74.91)	90
Not IN Astrocyte	47 (43.91)	215 (218.09)	262
Total	59	293	352

chi2: 0.715, p: 0.3977585043, OR: 0.70376

	> cutoff	other genes	Total
In Astrocyte	20 (20.45)	70 (69.55)	90
Not IN Astrocyte	60 (59.55)	202 (202.45)	262
Total	80	272	352

chi2: 0.000, p: 0.9894265353, OR: 0.96190

	< cutoff	other genes	Total
In Microglia	15 (17.26)	88 (85.74)	103
Not IN Microglia	44 (41.74)	205 (207.26)	249
Total	59	293	352

chi2: 0.306, p: 0.5800369274, OR: 0.79416

	> cutoff	other genes	Total
In Microglia	29 (23.41)	74 (79.59)	103
Not IN Microglia	51 (56.59)	198 (192.41)	249
Total	80	272	352

chi2: 2.025, p: 0.1546822973, OR: 1.52146

	< cutoff	other genes	Total
In Oligodendrocyte	5 (5.87)	30 (29.13)	35
Not IN Oligodendrocyte	54 (53.13)	263 (263.87)	317
Total	59	293	352

chi2: 0.031, p: 0.8612696312, OR: 0.81173

	> cutoff	other genes	Total
In Oligodendrocyte	10 (7.95)	25 (27.05)	35
Not IN Oligodendrocyte	70 (72.05)	247 (244.95)	317
Total	80	272	352

chi2: 0.431, p: 0.5112667417, OR: 1.41143

	< cutoff	other genes	Total
In Neuron	19 (10.73)	45 (53.27)	64
Not IN Neuron	40 (48.27)	248 (239.73)	288
Total	59	293	352

chi2: 8.270, p: 0.0040315126, OR: 2.61778

	> cutoff	other genes	Total
In Neuron	6 (14.55)	58 (49.45)	64
Not IN Neuron	74 (65.45)	214 (222.55)	288
Total	80	272	352

chi2: 7.039, p: 0.0079763045, OR: 0.29916

	< cutoff	other genes	Total
In Endothelia	8 (10.06)	52 (49.94)	60
Not IN Endothelia	51 (48.94)	241 (243.06)	292
Total	59	293	352

chi2: 0.349, p: 0.5546685311, OR: 0.72700

	> cutoff	other genes	Total
In Endothelia	15 (13.64)	45 (46.36)	60
Not IN Endothelia	65 (66.36)	227 (225.64)	292
Total	80	272	352

chi2: 0.085, p: 0.7702014956, OR: 1.16410