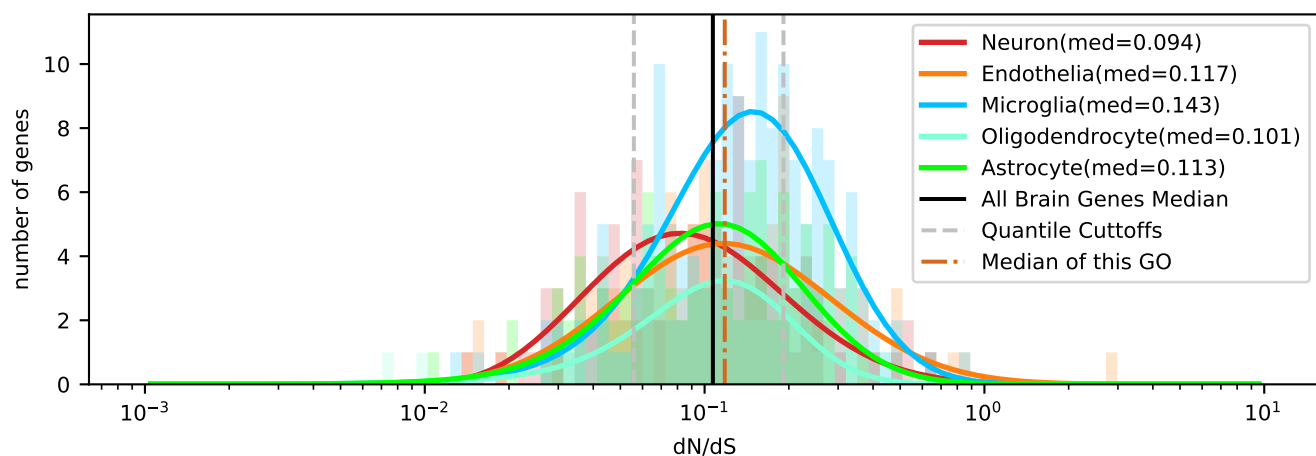


Five Celltypes Distribution of Average dN/dS Scores of Genes Related to catabolic process



	< cutoff	other genes	Total
In Astrocyte	22 (19.03)	76 (78.97)	98
Not IN Astrocyte	78 (80.97)	339 (336.03)	417
Total	100	415	515

chi2: 0.492, p: 0.4831637179, OR: 1.25810

	> cutoff	other genes	Total
In Astrocyte	24 (24.36)	74 (73.64)	98
Not IN Astrocyte	104 (103.64)	313 (313.36)	417
Total	128	387	515

chi2: 0.001, p: 0.9704273657, OR: 0.97609

	< cutoff	other genes	Total
In Microglia	18 (30.49)	139 (126.51)	157
Not IN Microglia	82 (69.51)	276 (288.49)	358
Total	100	415	515

chi2: 8.412, p: 0.0037275481, OR: 0.43587

	> cutoff	other genes	Total
In Microglia	51 (39.02)	106 (117.98)	157
Not IN Microglia	77 (88.98)	281 (269.02)	358
Total	128	387	515

chi2: 6.464, p: 0.0110083733, OR: 1.75582

	< cutoff	other genes	Total
In Oligodendrocyte	11 (10.68)	44 (44.32)	55
Not IN Oligodendrocyte	89 (89.32)	371 (370.68)	460
Total	100	415	515

chi2: 0.004, p: 0.9483467791, OR: 1.04213

	> cutoff	other genes	Total
In Oligodendrocyte	10 (13.67)	45 (41.33)	55
Not IN Oligodendrocyte	118 (114.33)	342 (345.67)	460
Total	128	387	515

chi2: 1.095, p: 0.2953337544, OR: 0.64407

	< cutoff	other genes	Total
In Neuron	30 (19.61)	71 (81.39)	101
Not IN Neuron	70 (80.39)	344 (333.61)	414
Total	100	415	515

chi2: 7.697, p: 0.0055324631, OR: 2.07646

	> cutoff	other genes	Total
In Neuron	15 (25.10)	86 (75.90)	101
Not IN Neuron	113 (102.90)	301 (311.10)	414
Total	128	387	515

chi2: 6.081, p: 0.0136632583, OR: 0.46460

	< cutoff	other genes	Total
In Endothelia	19 (20.19)	85 (83.81)	104
Not IN Endothelia	81 (79.81)	330 (331.19)	411
Total	100	415	515

chi2: 0.037, p: 0.8472507955, OR: 0.91068

	> cutoff	other genes	Total
In Endothelia	28 (25.85)	76 (78.15)	104
Not IN Endothelia	100 (102.15)	311 (308.85)	411
Total	128	387	515

chi2: 0.176, p: 0.6748875108, OR: 1.14579