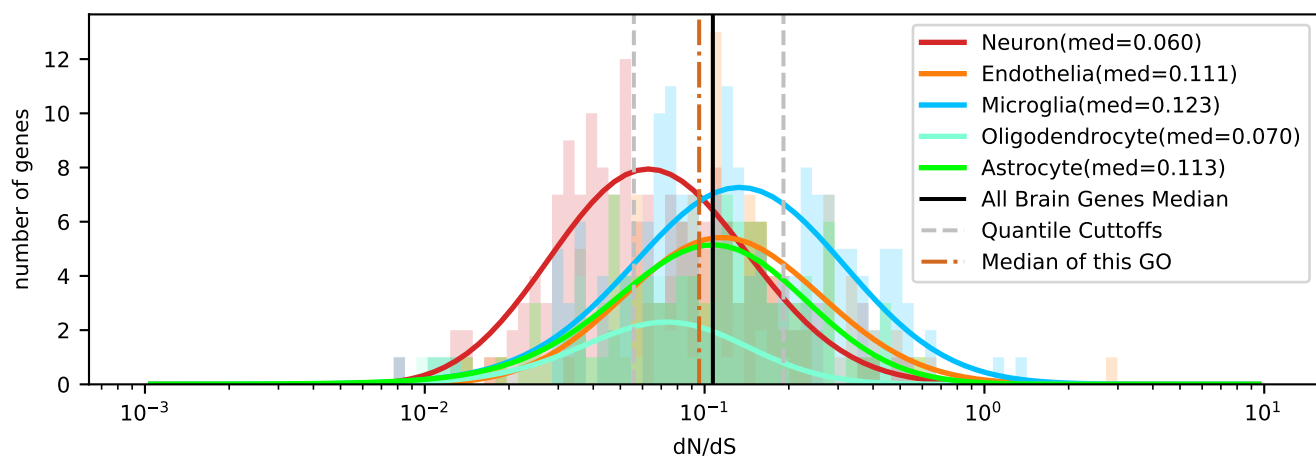


Five Celltypes Distribution of Average dN/dS Scores of Genes Related to homeostatic process



	< cutoff	other genes	Total
In Astrocyte	28 (30.60)	83 (80.40)	111
Not IN Astrocyte	141 (138.40)	361 (363.60)	502
Total	169	444	613

chi2: 0.243, p: 0.6217562024, OR: 0.86371

	> cutoff	other genes	Total
In Astrocyte	23 (23.36)	88 (87.64)	111
Not IN Astrocyte	106 (105.64)	396 (396.36)	502
Total	129	484	613

chi2: 0.001, p: 0.9710358955, OR: 0.97642

	< cutoff	other genes	Total
In Microglia	28 (47.42)	144 (124.58)	172
Not IN Microglia	141 (121.58)	300 (319.42)	441
Total	169	444	613

chi2: 14.486, p: 0.0001411950, OR: 0.41371

	> cutoff	other genes	Total
In Microglia	61 (36.20)	111 (135.80)	172
Not IN Microglia	68 (92.80)	373 (348.20)	441
Total	129	484	613

chi2: 28.731, p: 0.0000000832, OR: 3.01444

	< cutoff	other genes	Total
In Oligodendrocyte	17 (11.85)	26 (31.15)	43
Not IN Oligodendrocyte	152 (157.15)	418 (412.85)	570
Total	169	444	613

chi2: 2.703, p: 0.1001874125, OR: 1.79808

	> cutoff	other genes	Total
In Oligodendrocyte	3 (9.05)	40 (33.95)	43
Not IN Oligodendrocyte	126 (119.95)	444 (450.05)	570
Total	129	484	613

chi2: 4.635, p: 0.0313313461, OR: 0.26429

	< cutoff	other genes	Total
In Neuron	80 (46.87)	90 (123.13)	170
Not IN Neuron	89 (122.13)	354 (320.87)	443
Total	169	444	613

chi2: 43.406, p: 0.0000000000, OR: 3.53558

	> cutoff	other genes	Total
In Neuron	16 (35.77)	154 (134.23)	170
Not IN Neuron	113 (93.23)	330 (349.77)	443
Total	129	484	613

chi2: 18.200, p: 0.0000198854, OR: 0.30341

	< cutoff	other genes	Total
In Endothelia	16 (32.26)	101 (84.74)	117
Not IN Endothelia	153 (136.74)	343 (359.26)	496
Total	169	444	613

chi2: 13.132, p: 0.0002902397, OR: 0.35514

	> cutoff	other genes	Total
In Endothelia	26 (24.62)	91 (92.38)	117
Not IN Endothelia	103 (104.38)	393 (391.62)	496
Total	129	484	613

chi2: 0.049, p: 0.8247067463, OR: 1.09015