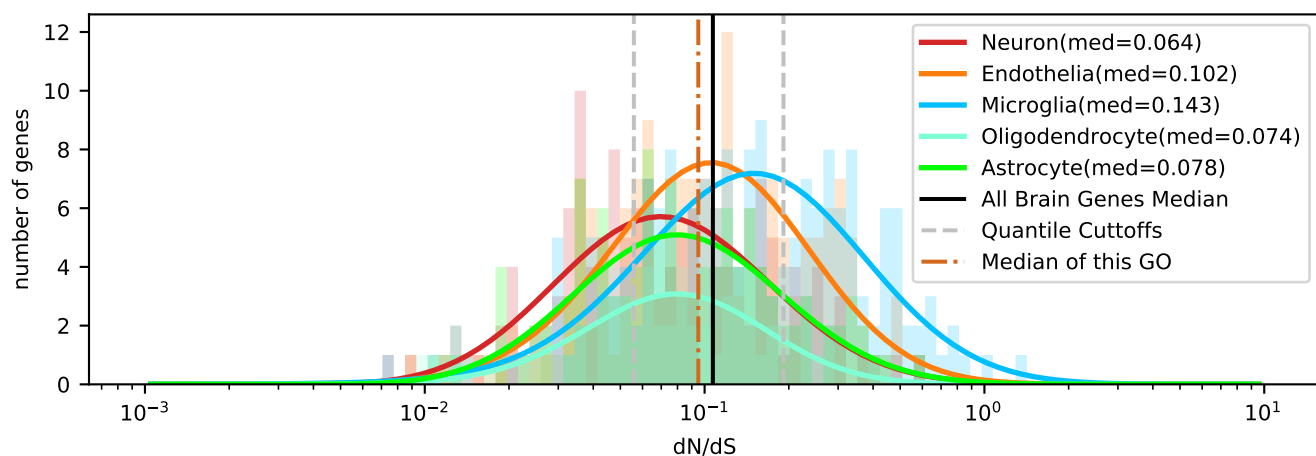


Five Celltypes Distribution of Average dN/dS Scores of Genes Related to cell motility



	< cutoff	other genes	Total
In Astrocyte	39 (32.69)	77 (83.31)	116
Not IN Astrocyte	147 (153.31)	397 (390.69)	544
Total	186	474	660

chi2: 1.744, p: 0.1866563849, OR: 1.36788

	> cutoff	other genes	Total
In Astrocyte	18 (28.47)	98 (87.53)	116
Not IN Astrocyte	144 (133.53)	400 (410.47)	544
Total	162	498	660

chi2: 5.616, p: 0.0177931066, OR: 0.51020

	< cutoff	other genes	Total
In Microglia	29 (50.73)	151 (129.27)	180
Not IN Microglia	157 (135.27)	323 (344.73)	480
Total	186	474	660

chi2: 17.007, p: 0.0000372519, OR: 0.39512

	> cutoff	other genes	Total
In Microglia	72 (44.18)	108 (135.82)	180
Not IN Microglia	90 (117.82)	390 (362.18)	480
Total	162	498	660

chi2: 30.781, p: 0.0000000289, OR: 2.88889

	< cutoff	other genes	Total
In Oligodendrocyte	21 (17.47)	41 (44.53)	62
Not IN Oligodendrocyte	165 (168.53)	433 (429.47)	598
Total	186	474	660

chi2: 0.806, p: 0.3692968465, OR: 1.34412

	> cutoff	other genes	Total
In Oligodendrocyte	7 (15.22)	55 (46.78)	62
Not IN Oligodendrocyte	155 (146.78)	443 (451.22)	598
Total	162	498	660

chi2: 5.726, p: 0.0167188731, OR: 0.36375

	< cutoff	other genes	Total
In Neuron	57 (37.76)	77 (96.24)	134
Not IN Neuron	129 (148.24)	397 (377.76)	526
Total	186	474	660

chi2: 16.241, p: 0.0000557653, OR: 2.27816

	> cutoff	other genes	Total
In Neuron	21 (32.89)	113 (101.11)	134
Not IN Neuron	141 (129.11)	385 (396.89)	526
Total	162	498	660

chi2: 6.560, p: 0.0104287656, OR: 0.50744

	< cutoff	other genes	Total
In Endothelia	40 (47.35)	128 (120.65)	168
Not IN Endothelia	146 (138.65)	346 (353.35)	492
Total	186	474	660

chi2: 1.849, p: 0.1739325481, OR: 0.74058

	> cutoff	other genes	Total
In Endothelia	44 (41.24)	124 (126.76)	168
Not IN Endothelia	118 (120.76)	374 (371.24)	492
Total	162	498	660

chi2: 0.221, p: 0.6383431595, OR: 1.12466