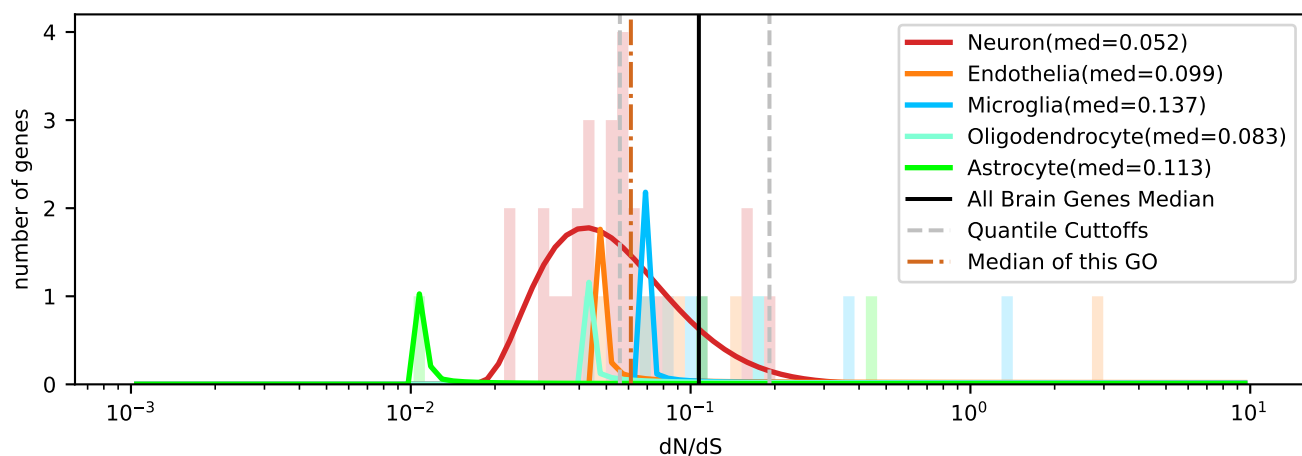


Five Celltypes Distribution of Average dN/dS Scores of Genes Related to membrane_depolarization



	< cutoff	other genes	Total
In Astrocyte	1 (1.26)	2 (1.74)	3
Not IN Astrocyte	17 (16.74)	23 (23.26)	40
Total	18	25	43

chi2: 0.088, p: 0.7670035932, OR: 0.67647

	> cutoff	other genes	Total
In Astrocyte	1 (0.35)	2 (2.65)	3
Not IN Astrocyte	4 (4.65)	36 (35.35)	40
Total	5	38	43

chi2: 0.080, p: 0.7777287940, OR: 4.50000

	< cutoff	other genes	Total
In Microglia	0 (2.51)	6 (3.49)	6
Not IN Microglia	18 (15.49)	19 (21.51)	37
Total	18	25	43

chi2: 3.221, p: 0.0727175008, OR: 0.00000

	> cutoff	other genes	Total
In Microglia	2 (0.70)	4 (5.30)	6
Not IN Microglia	3 (4.30)	34 (32.70)	37
Total	5	38	43

chi2: 1.213, p: 0.2706619670, OR: 5.66667

	< cutoff	other genes	Total
In Oligodendrocyte	1 (1.26)	2 (1.74)	3
Not IN Oligodendrocyte	17 (16.74)	23 (23.26)	40
Total	18	25	43

chi2: 0.088, p: 0.7670035932, OR: 0.67647

	> cutoff	other genes	Total
In Oligodendrocyte	0 (0.35)	3 (2.65)	3
Not IN Oligodendrocyte	5 (4.65)	35 (35.35)	40
Total	5	38	43

chi2: 0.080, p: 0.7777287940, OR: 0.00000

	< cutoff	other genes	Total
In Neuron	15 (10.47)	10 (14.53)	25
Not IN Neuron	3 (7.53)	15 (10.47)	18
Total	18	25	43

chi2: 6.392, p: 0.0114630456, OR: 7.50000

	> cutoff	other genes	Total
In Neuron	1 (2.91)	24 (22.09)	25
Not IN Neuron	4 (2.09)	14 (15.91)	18
Total	5	38	43

chi2: 1.841, p: 0.1748539919, OR: 0.14583

	< cutoff	other genes	Total
In Endothelia	1 (2.51)	5 (3.49)	6
Not IN Endothelia	17 (15.49)	20 (21.51)	37
Total	18	25	43

chi2: 0.814, p: 0.3667984604, OR: 0.23529

	> cutoff	other genes	Total
In Endothelia	1 (0.70)	5 (5.30)	6
Not IN Endothelia	4 (4.30)	33 (32.70)	37
Total	5	38	43

chi2: 0.074, p: 0.7860881970, OR: 1.65000