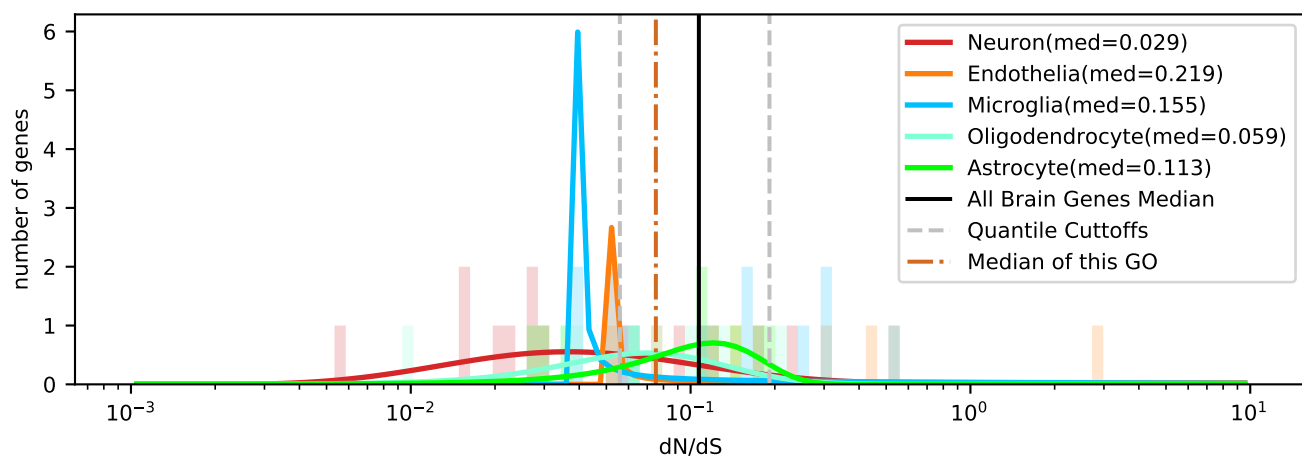


# Five Celltypes Distribution of Average dN/dS Scores of Genes Related to protein targeting



	< cutoff	other genes	Total
In Astrocyte	3 (3.89)	7 (6.11)	10
Not IN Astrocyte	18 (17.11)	26 (26.89)	44
Total	21	33	54

chi2: 0.078, p: 0.7798900710, OR: 0.61905

	> cutoff	other genes	Total
In Astrocyte	0 (1.85)	10 (8.15)	10
Not IN Astrocyte	10 (8.15)	34 (35.85)	44
Total	10	44	54

chi2: 1.486, p: 0.2227766973, OR: 0.00000

	< cutoff	other genes	Total
In Microglia	2 (4.28)	9 (6.72)	11
Not IN Microglia	19 (16.72)	24 (26.28)	43
Total	21	33	54

chi2: 1.518, p: 0.2178852751, OR: 0.28070

	> cutoff	other genes	Total
In Microglia	4 (2.04)	7 (8.96)	11
Not IN Microglia	6 (7.96)	37 (35.04)	43
Total	10	44	54

chi2: 1.619, p: 0.2031858781, OR: 3.52381

	< cutoff	other genes	Total
In Oligodendrocyte	5 (3.89)	5 (6.11)	10
Not IN Oligodendrocyte	16 (17.11)	28 (26.89)	44
Total	21	33	54

chi2: 0.193, p: 0.6605492052, OR: 1.75000

	> cutoff	other genes	Total
In Oligodendrocyte	1 (1.85)	9 (8.15)	10
Not IN Oligodendrocyte	9 (8.15)	35 (35.85)	44
Total	10	44	54

chi2: 0.101, p: 0.7510006043, OR: 0.43210

	< cutoff	other genes	Total
In Neuron	10 (5.83)	5 (9.17)	15
Not IN Neuron	11 (15.17)	28 (23.83)	39
Total	21	33	54

chi2: 5.222, p: 0.0223031682, OR: 5.09091

	> cutoff	other genes	Total
In Neuron	1 (2.78)	14 (12.22)	15
Not IN Neuron	9 (7.22)	30 (31.78)	39
Total	10	44	54

chi2: 0.999, p: 0.3175983365, OR: 0.23810

	< cutoff	other genes	Total
In Endothelia	1 (3.11)	7 (4.89)	8
Not IN Endothelia	20 (17.89)	26 (28.11)	46
Total	21	33	54

chi2: 1.603, p: 0.2055215357, OR: 0.18571

	> cutoff	other genes	Total
In Endothelia	4 (1.48)	4 (6.52)	8
Not IN Endothelia	6 (8.52)	40 (37.48)	46
Total	10	44	54

chi2: 3.962, p: 0.0465303620, OR: 6.66667