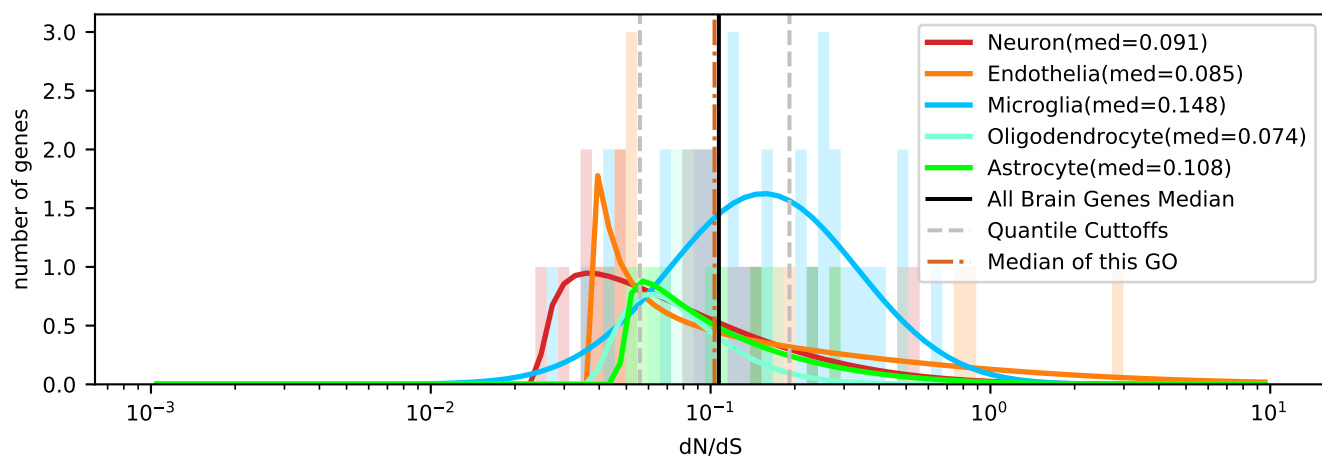


Five Celltypes Distribution of Average dN/dS Scores of Genes Related to autophagy



	< cutoff	other genes	Total
In Astrocyte	1 (2.56)	9 (7.44)	10
Not IN Astrocyte	21 (19.44)	55 (56.56)	76
Total	22	64	86

chi2: 0.666, p: 0.4146158298, OR: 0.29101

	> cutoff	other genes	Total
In Astrocyte	2 (2.79)	8 (7.21)	10
Not IN Astrocyte	22 (21.21)	54 (54.79)	76
Total	24	62	86

chi2: 0.048, p: 0.8274195373, OR: 0.61364

	< cutoff	other genes	Total
In Microglia	4 (8.70)	30 (25.30)	34
Not IN Microglia	18 (13.30)	34 (38.70)	52
Total	22	64	86

chi2: 4.502, p: 0.0338506274, OR: 0.25185

	> cutoff	other genes	Total
In Microglia	15 (9.49)	19 (24.51)	34
Not IN Microglia	9 (14.51)	43 (37.49)	52
Total	24	62	86

chi2: 6.073, p: 0.0137302189, OR: 3.77193

	< cutoff	other genes	Total
In Oligodendrocyte	2 (2.05)	6 (5.95)	8
Not IN Oligodendrocyte	20 (19.95)	58 (58.05)	78
Total	22	64	86

chi2: 0.149, p: 0.6996066401, OR: 0.96667

	> cutoff	other genes	Total
In Oligodendrocyte	0 (2.23)	8 (5.77)	8
Not IN Oligodendrocyte	24 (21.77)	54 (56.23)	78
Total	24	62	86

chi2: 2.056, p: 0.1515792524, OR: 0.00000

	< cutoff	other genes	Total
In Neuron	8 (4.35)	9 (12.65)	17
Not IN Neuron	14 (17.65)	55 (51.35)	69
Total	22	64	86

chi2: 3.824, p: 0.0505185815, OR: 3.49206

	> cutoff	other genes	Total
In Neuron	2 (4.74)	15 (12.26)	17
Not IN Neuron	22 (19.26)	47 (49.74)	69
Total	24	62	86

chi2: 1.835, p: 0.1755003005, OR: 0.28485

	< cutoff	other genes	Total
In Endothelia	7 (4.35)	10 (12.65)	17
Not IN Endothelia	15 (17.65)	54 (51.35)	69
Total	22	64	86

chi2: 1.782, p: 0.1818870564, OR: 2.52000

	> cutoff	other genes	Total
In Endothelia	5 (4.74)	12 (12.26)	17
Not IN Endothelia	19 (19.26)	50 (49.74)	69
Total	24	62	86

chi2: 0.022, p: 0.8828107965, OR: 1.09649