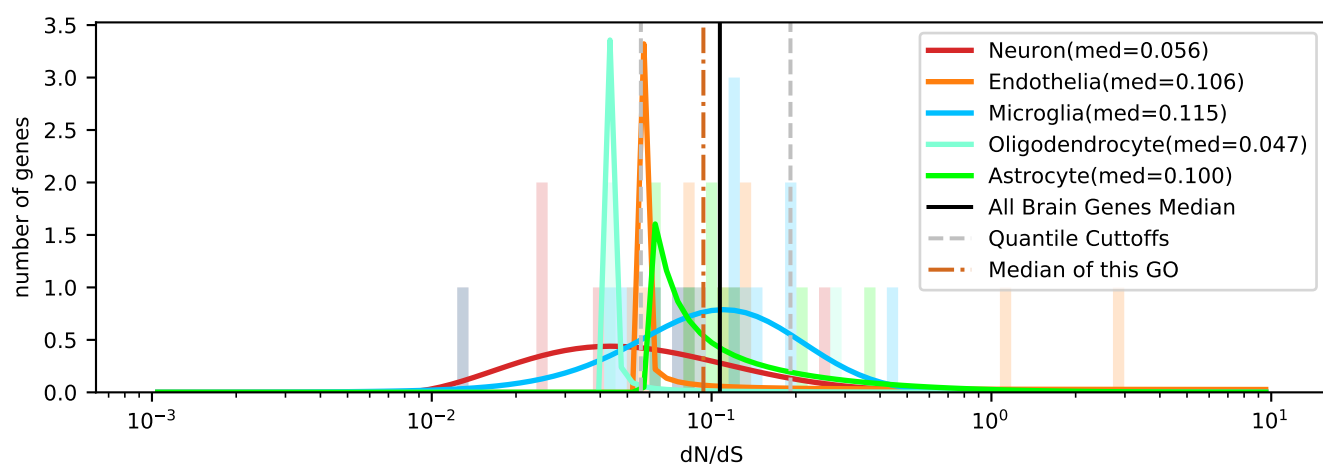


# Five Celltypes Distribution of Average dN/dS Scores of Genes Related to nucleocytoplasmic transport



	< cutoff	other genes	Total
In Astrocyte	0 (2.30)	9 (6.70)	9
Not IN Astrocyte	12 (9.70)	26 (28.30)	38
Total	12	35	47

chi2: 2.336, p: 0.1263862636, OR: 0.00000

	> cutoff	other genes	Total
In Astrocyte	2 (1.34)	7 (7.66)	9
Not IN Astrocyte	5 (5.66)	33 (32.34)	38
Total	7	40	47

chi2: 0.028, p: 0.8680335542, OR: 1.88571

	< cutoff	other genes	Total
In Microglia	3 (3.83)	12 (11.17)	15
Not IN Microglia	9 (8.17)	23 (23.83)	32
Total	12	35	47

chi2: 0.056, p: 0.8129161283, OR: 0.63889

	> cutoff	other genes	Total
In Microglia	1 (2.23)	14 (12.77)	15
Not IN Microglia	6 (4.77)	26 (27.23)	32
Total	7	40	47

chi2: 0.416, p: 0.5188225841, OR: 0.30952

	< cutoff	other genes	Total
In Oligodendrocyte	3 (1.02)	1 (2.98)	4
Not IN Oligodendrocyte	9 (10.98)	34 (32.02)	43
Total	12	35	47

chi2: 3.143, p: 0.0762719210, OR: 11.33333

	> cutoff	other genes	Total
In Oligodendrocyte	1 (0.60)	3 (3.40)	4
Not IN Oligodendrocyte	6 (6.40)	37 (36.60)	43
Total	7	40	47

chi2: 0.020, p: 0.8882031134, OR: 2.05556

	< cutoff	other genes	Total
In Neuron	5 (2.55)	5 (7.45)	10
Not IN Neuron	7 (9.45)	30 (27.55)	37
Total	12	35	47

chi2: 2.532, p: 0.1115482972, OR: 4.28571

	> cutoff	other genes	Total
In Neuron	1 (1.49)	9 (8.51)	10
Not IN Neuron	6 (5.51)	31 (31.49)	37
Total	7	40	47

chi2: 0.000, p: 0.9915028965, OR: 0.57407

	< cutoff	other genes	Total
In Endothelia	1 (2.30)	8 (6.70)	9
Not IN Endothelia	11 (9.70)	27 (28.30)	38
Total	12	35	47

chi2: 0.460, p: 0.4975610222, OR: 0.30682

	> cutoff	other genes	Total
In Endothelia	2 (1.34)	7 (7.66)	9
Not IN Endothelia	5 (5.66)	33 (32.34)	38
Total	7	40	47

chi2: 0.028, p: 0.8680335542, OR: 1.88571