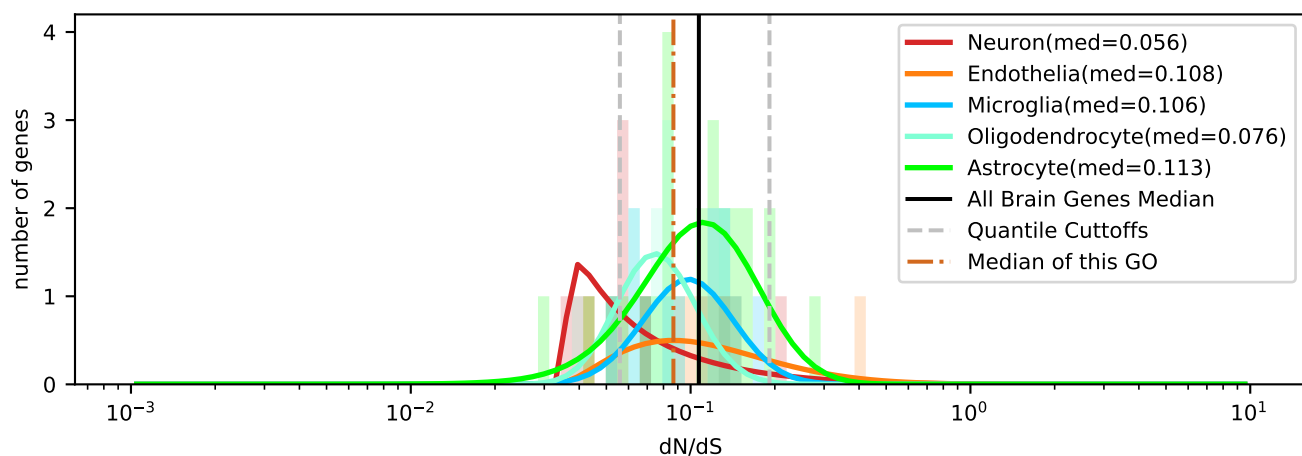


Five Celltypes Distribution of Average dN/dS Scores of Genes Related to cellular amino acid metabolic process



	< cutoff	other genes	Total
In Astrocyte	3 (4.24)	21 (19.76)	24
Not IN Astrocyte	9 (7.76)	35 (36.24)	44
Total	12	56	68

chi2: 0.240, p: 0.6245235180, OR: 0.55556

	> cutoff	other genes	Total
In Astrocyte	2 (1.41)	22 (22.59)	24
Not IN Astrocyte	2 (2.59)	42 (41.41)	44
Total	4	64	68

chi2: 0.009, p: 0.9241878575, OR: 1.90909

	< cutoff	other genes	Total
In Microglia	1 (2.12)	11 (9.88)	12
Not IN Microglia	11 (9.88)	45 (46.12)	56
Total	12	56	68

chi2: 0.266, p: 0.6062817743, OR: 0.37190

	> cutoff	other genes	Total
In Microglia	0 (0.71)	12 (11.29)	12
Not IN Microglia	4 (3.29)	52 (52.71)	56
Total	4	64	68

chi2: 0.077, p: 0.7807502664, OR: 0.00000

	< cutoff	other genes	Total
In Oligodendrocyte	2 (2.29)	11 (10.71)	13
Not IN Oligodendrocyte	10 (9.71)	45 (45.29)	55
Total	12	56	68

chi2: 0.028, p: 0.8677240786, OR: 0.81818

	> cutoff	other genes	Total
In Oligodendrocyte	0 (0.76)	13 (12.24)	13
Not IN Oligodendrocyte	4 (3.24)	51 (51.76)	55
Total	4	64	68

chi2: 0.120, p: 0.7286366450, OR: 0.00000

	< cutoff	other genes	Total
In Neuron	5 (1.94)	6 (9.06)	11
Not IN Neuron	7 (10.06)	50 (46.94)	57
Total	12	56	68

chi2: 4.886, p: 0.0270723230, OR: 5.95238

	> cutoff	other genes	Total
In Neuron	1 (0.65)	10 (10.35)	11
Not IN Neuron	3 (3.35)	54 (53.65)	57
Total	4	64	68

chi2: 0.042, p: 0.8369266572, OR: 1.80000

	< cutoff	other genes	Total
In Endothelia	1 (1.41)	7 (6.59)	8
Not IN Endothelia	11 (10.59)	49 (49.41)	60
Total	12	56	68

chi2: 0.008, p: 0.9305789049, OR: 0.63636

	> cutoff	other genes	Total
In Endothelia	1 (0.47)	7 (7.53)	8
Not IN Endothelia	3 (3.53)	57 (56.47)	60
Total	4	64	68

chi2: 0.002, p: 0.9624747396, OR: 2.71429