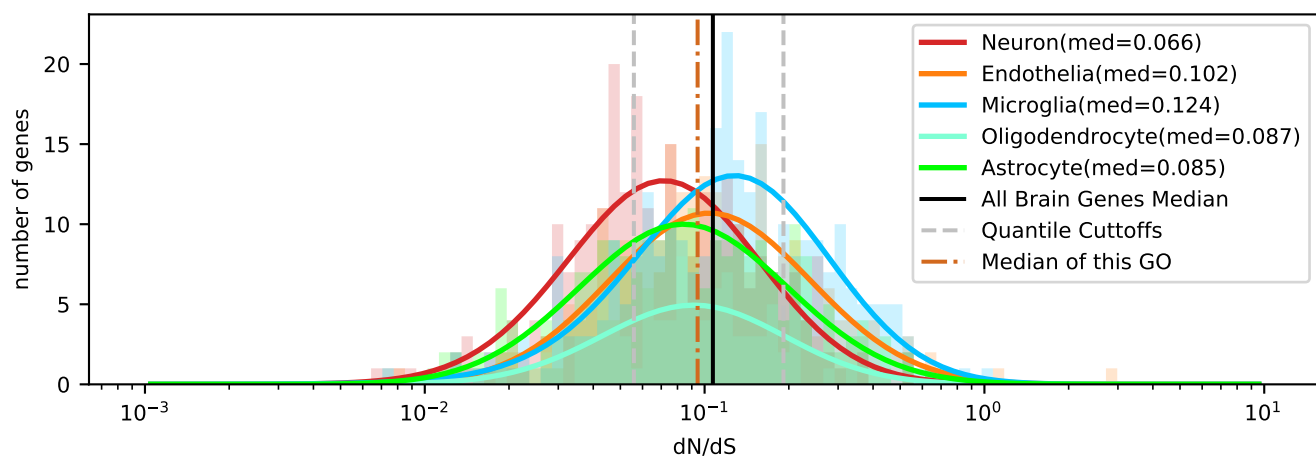


# Five Celltypes Distribution of Average dN/dS Scores of Genes Related to cellular nitrogen compound metabolic process



	< cutoff	other genes	Total
In Astrocyte	74 (64.20)	156 (165.80)	230
Not IN Astrocyte	240 (249.80)	655 (645.20)	895
Total	314	811	1125

chi2: 2.351, p: 0.1251659526, OR: 1.29460

	> cutoff	other genes	Total
In Astrocyte	42 (45.39)	188 (184.61)	230
Not IN Astrocyte	180 (176.61)	715 (718.39)	895
Total	222	903	1125

chi2: 0.288, p: 0.5918179332, OR: 0.88741

	< cutoff	other genes	Total
In Microglia	49 (79.27)	235 (204.73)	284
Not IN Microglia	265 (234.73)	576 (606.27)	841
Total	314	811	1125

chi2: 20.743, p: 0.0000052513, OR: 0.45322

	> cutoff	other genes	Total
In Microglia	79 (56.04)	205 (227.96)	284
Not IN Microglia	143 (165.96)	698 (675.04)	841
Total	222	903	1125

chi2: 14.998, p: 0.0001076537, OR: 1.88102

	< cutoff	other genes	Total
In Oligodendrocyte	27 (28.19)	74 (72.81)	101
Not IN Oligodendrocyte	287 (285.81)	737 (738.19)	1024
Total	314	811	1125

chi2: 0.026, p: 0.8724998056, OR: 0.93695

	> cutoff	other genes	Total
In Oligodendrocyte	15 (19.93)	86 (81.07)	101
Not IN Oligodendrocyte	207 (202.07)	817 (821.93)	1024
Total	222	903	1125

chi2: 1.348, p: 0.2456042690, OR: 0.68841

	< cutoff	other genes	Total
In Neuron	110 (75.92)	162 (196.08)	272
Not IN Neuron	204 (238.08)	649 (614.92)	853
Total	314	811	1125

chi2: 27.177, p: 0.0000001857, OR: 2.16019

	> cutoff	other genes	Total
In Neuron	32 (53.67)	240 (218.33)	272
Not IN Neuron	190 (168.33)	663 (684.67)	853
Total	222	903	1125

chi2: 13.726, p: 0.0002115486, OR: 0.46526

	< cutoff	other genes	Total
In Endothelia	54 (66.43)	184 (171.57)	238
Not IN Endothelia	260 (247.57)	627 (639.43)	887
Total	314	811	1125

chi2: 3.769, p: 0.0522249331, OR: 0.70773

	> cutoff	other genes	Total
In Endothelia	54 (46.97)	184 (191.03)	238
Not IN Endothelia	168 (175.03)	719 (711.97)	887
Total	222	903	1125

chi2: 1.437, p: 0.2306756820, OR: 1.25602