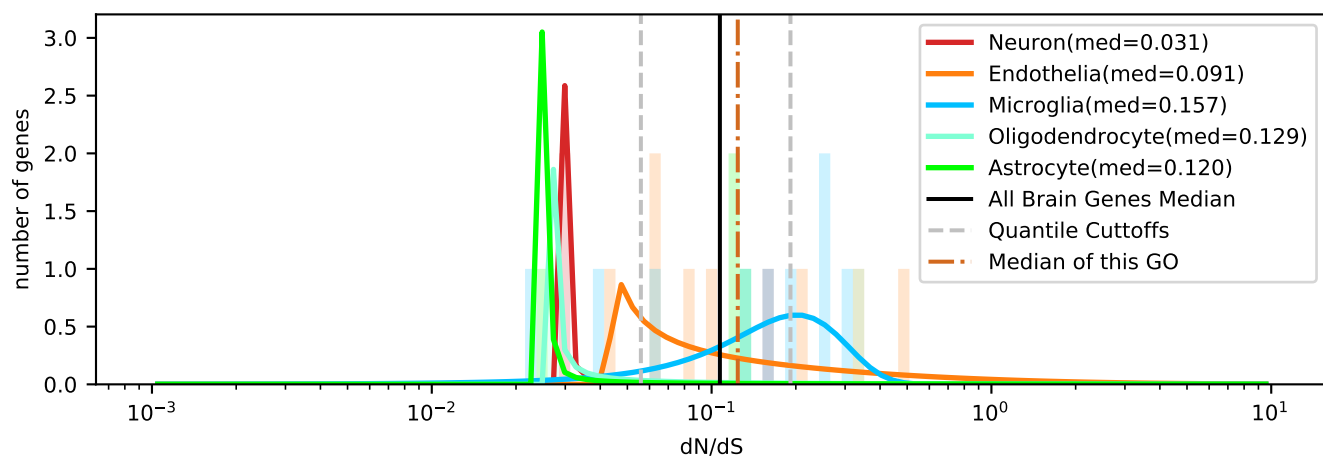


# Five Celltypes Distribution of Average dN/dS Scores of Genes Related to pigmentation



	< cutoff	other genes	Total
In Astrocyte	1 (1.04)	3 (2.96)	4
Not IN Astrocyte	6 (5.96)	17 (17.04)	23
Total	7	20	27

chi2: 0.328, p: 0.5671096294, OR: 0.94444

	> cutoff	other genes	Total
In Astrocyte	0 (1.19)	4 (2.81)	4
Not IN Astrocyte	8 (6.81)	15 (16.19)	23
Total	8	19	27

chi2: 0.661, p: 0.4162745582, OR: 0.00000

	< cutoff	other genes	Total
In Microglia	2 (2.33)	7 (6.67)	9
Not IN Microglia	5 (4.67)	13 (13.33)	18
Total	7	20	27

chi2: 0.024, p: 0.8766126033, OR: 0.74286

	> cutoff	other genes	Total
In Microglia	4 (2.67)	5 (6.33)	9
Not IN Microglia	4 (5.33)	14 (12.67)	18
Total	8	19	27

chi2: 0.555, p: 0.4562418259, OR: 2.80000

	< cutoff	other genes	Total
In Oligodendrocyte	1 (0.78)	2 (2.22)	3
Not IN Oligodendrocyte	6 (6.22)	18 (17.78)	24
Total	7	20	27

chi2: 0.151, p: 0.6978962433, OR: 1.50000

	> cutoff	other genes	Total
In Oligodendrocyte	1 (0.89)	2 (2.11)	3
Not IN Oligodendrocyte	7 (7.11)	17 (16.89)	24
Total	8	19	27

chi2: 0.272, p: 0.6019943981, OR: 1.21429

	< cutoff	other genes	Total
In Neuron	2 (0.78)	1 (2.22)	3
Not IN Neuron	5 (6.22)	19 (17.78)	24
Total	7	20	27

chi2: 1.019, p: 0.3128687148, OR: 7.60000

	> cutoff	other genes	Total
In Neuron	0 (0.89)	3 (2.11)	3
Not IN Neuron	8 (7.11)	16 (16.89)	24
Total	8	19	27

chi2: 0.272, p: 0.6019943981, OR: 0.00000

	< cutoff	other genes	Total
In Endothelia	1 (2.07)	7 (5.93)	8
Not IN Endothelia	6 (4.93)	13 (14.07)	19
Total	7	20	27

chi2: 0.305, p: 0.5808711140, OR: 0.30952

	> cutoff	other genes	Total
In Endothelia	3 (2.37)	5 (5.63)	8
Not IN Endothelia	5 (5.63)	14 (13.37)	19
Total	8	19	27

chi2: 0.014, p: 0.9047617990, OR: 1.68000