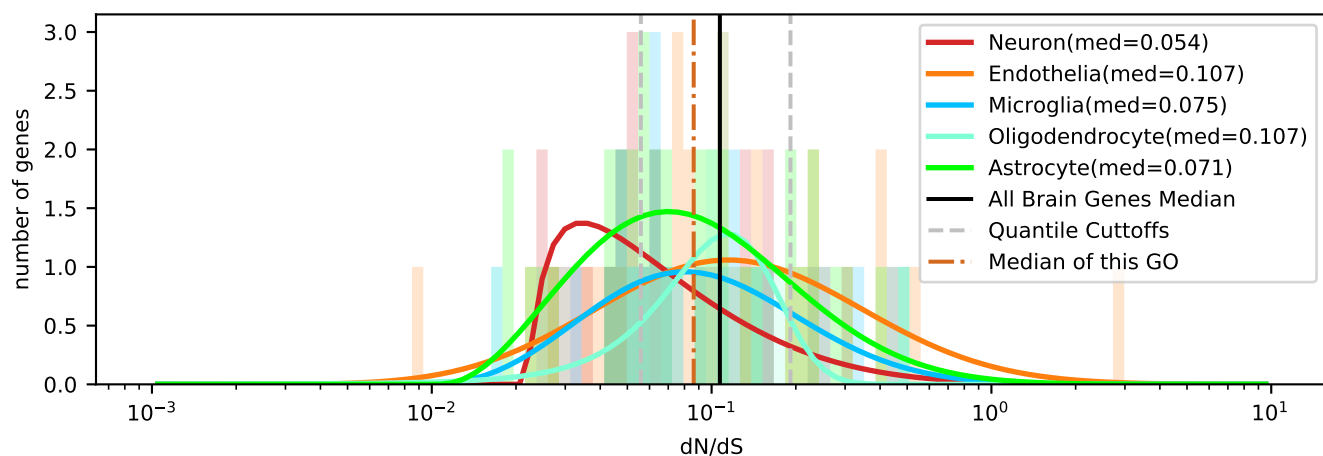


Five Celltypes Distribution of Average dN/dS Scores of Genes Related to cell division



	< cutoff	other genes	Total
In Astrocyte	11 (10.94)	24 (24.06)	35
Not IN Astrocyte	29 (29.06)	64 (63.94)	93
Total	40	88	128

chi2: 0.035, p: 0.8515239858, OR: 1.01149

	> cutoff	other genes	Total
In Astrocyte	8 (6.84)	27 (28.16)	35
Not IN Astrocyte	17 (18.16)	76 (74.84)	93
Total	25	103	128

chi2: 0.110, p: 0.7397612472, OR: 1.32462

	< cutoff	other genes	Total
In Microglia	6 (6.88)	16 (15.12)	22
Not IN Microglia	34 (33.12)	72 (72.88)	106
Total	40	88	128

chi2: 0.036, p: 0.8496662760, OR: 0.79412

	> cutoff	other genes	Total
In Microglia	4 (4.30)	18 (17.70)	22
Not IN Microglia	21 (20.70)	85 (85.30)	106
Total	25	103	128

chi2: 0.014, p: 0.9044515807, OR: 0.89947

	< cutoff	other genes	Total
In Oligodendrocyte	3 (5.31)	14 (11.69)	17
Not IN Oligodendrocyte	37 (34.69)	74 (76.31)	111
Total	40	88	128

chi2: 1.037, p: 0.3084686341, OR: 0.42857

	> cutoff	other genes	Total
In Oligodendrocyte	1 (3.32)	16 (13.68)	17
Not IN Oligodendrocyte	24 (21.68)	87 (89.32)	111
Total	25	103	128

chi2: 1.430, p: 0.2317447491, OR: 0.22656

	< cutoff	other genes	Total
In Neuron	13 (7.19)	10 (15.81)	23
Not IN Neuron	27 (32.81)	78 (72.19)	105
Total	40	88	128

chi2: 6.963, p: 0.0083233570, OR: 3.75556

	> cutoff	other genes	Total
In Neuron	2 (4.49)	21 (18.51)	23
Not IN Neuron	23 (20.51)	82 (84.49)	105
Total	25	103	128

chi2: 1.338, p: 0.2473108677, OR: 0.33954

	< cutoff	other genes	Total
In Endothelia	7 (9.69)	24 (21.31)	31
Not IN Endothelia	33 (30.31)	64 (66.69)	97
Total	40	88	128

chi2: 0.948, p: 0.3302057396, OR: 0.56566

	> cutoff	other genes	Total
In Endothelia	10 (6.05)	21 (24.95)	31
Not IN Endothelia	15 (18.95)	82 (78.05)	97
Total	25	103	128

chi2: 3.215, p: 0.0729676734, OR: 2.60317