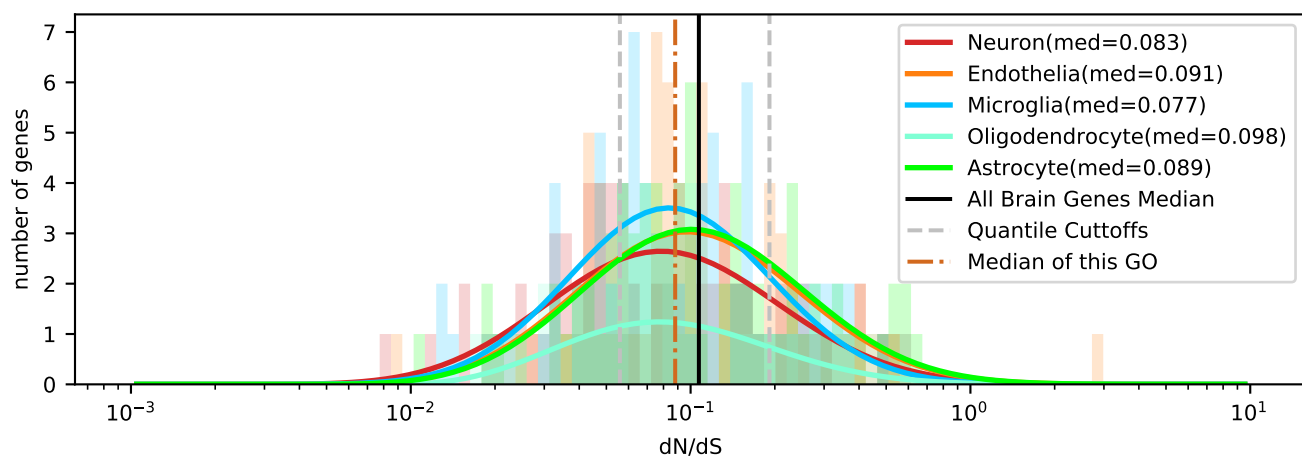


Five Celltypes Distribution of Average dN/dS Scores of Genes Related to cell cycle



	< cutoff	other genes	Total
In Astrocyte	16 (21.66)	59 (53.34)	75
Not IN Astrocyte	77 (71.34)	170 (175.66)	247
Total	93	229	322

chi2: 2.254, p: 0.1332304909, OR: 0.59872

	> cutoff	other genes	Total
In Astrocyte	19 (15.61)	56 (59.39)	75
Not IN Astrocyte	48 (51.39)	199 (195.61)	247
Total	67	255	322

chi2: 0.884, p: 0.3471849257, OR: 1.40662

	< cutoff	other genes	Total
In Microglia	22 (22.53)	56 (55.47)	78
Not IN Microglia	71 (70.47)	173 (173.53)	244
Total	93	229	322

chi2: 0.000, p: 0.9935996398, OR: 0.95724

	> cutoff	other genes	Total
In Microglia	13 (16.23)	65 (61.77)	78
Not IN Microglia	54 (50.77)	190 (193.23)	244
Total	67	255	322

chi2: 0.765, p: 0.3817284146, OR: 0.70370

	< cutoff	other genes	Total
In Oligodendrocyte	9 (8.09)	19 (19.91)	28
Not IN Oligodendrocyte	84 (84.91)	210 (209.09)	294
Total	93	229	322

chi2: 0.032, p: 0.8569587808, OR: 1.18421

	> cutoff	other genes	Total
In Oligodendrocyte	4 (5.83)	24 (22.17)	28
Not IN Oligodendrocyte	63 (61.17)	231 (232.83)	294
Total	67	255	322

chi2: 0.417, p: 0.5182185478, OR: 0.61111

	< cutoff	other genes	Total
In Neuron	28 (19.35)	39 (47.65)	67
Not IN Neuron	65 (73.65)	190 (181.35)	255
Total	93	229	322

chi2: 6.093, p: 0.0135698046, OR: 2.09862

	> cutoff	other genes	Total
In Neuron	13 (13.94)	54 (53.06)	67
Not IN Neuron	54 (53.06)	201 (201.94)	255
Total	67	255	322

chi2: 0.022, p: 0.8814412237, OR: 0.89609

	< cutoff	other genes	Total
In Endothelia	18 (21.37)	56 (52.63)	74
Not IN Endothelia	75 (71.63)	173 (176.37)	248
Total	93	229	322

chi2: 0.705, p: 0.4011366863, OR: 0.74143

	> cutoff	other genes	Total
In Endothelia	18 (15.40)	56 (58.60)	74
Not IN Endothelia	49 (51.60)	199 (196.40)	248
Total	67	255	322

chi2: 0.471, p: 0.4926699803, OR: 1.30539