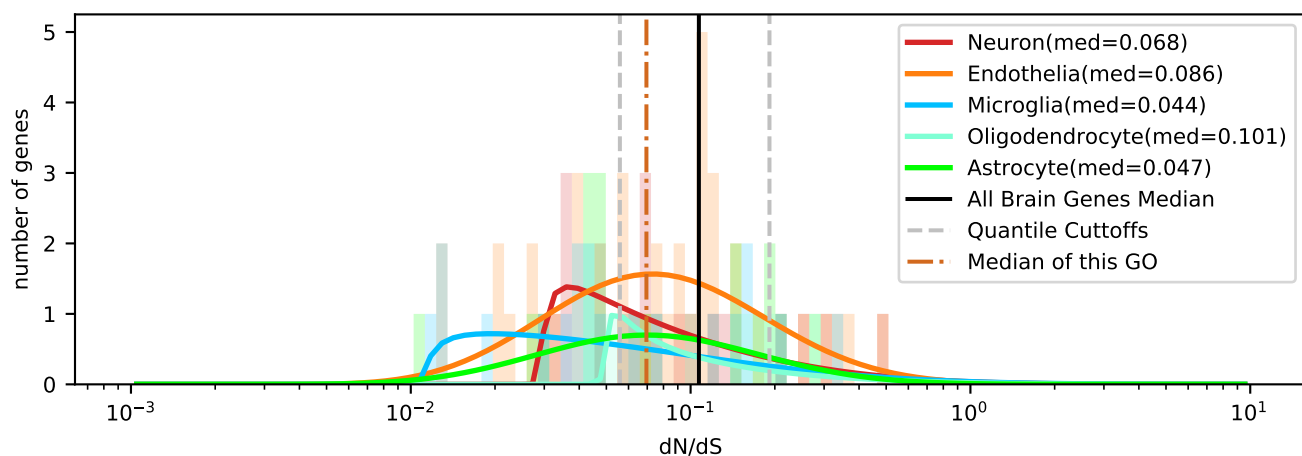


Five Celltypes Distribution of Average dN/dS Scores of Genes Related to cell junction organization



	< cutoff	other genes	Total
In Astrocyte	9 (6.54)	8 (10.46)	17
Not IN Astrocyte	31 (33.46)	56 (53.54)	87
Total	40	64	104

chi2: 1.143, p: 0.2849975071, OR: 2.03226

	> cutoff	other genes	Total
In Astrocyte	2 (2.45)	15 (14.55)	17
Not IN Astrocyte	13 (12.55)	74 (74.45)	87
Total	15	89	104

chi2: 0.001, p: 0.9710527901, OR: 0.75897

	< cutoff	other genes	Total
In Microglia	11 (7.31)	8 (11.69)	19
Not IN Microglia	29 (32.69)	56 (52.31)	85
Total	40	64	104

chi2: 2.773, p: 0.0958865458, OR: 2.65517

	> cutoff	other genes	Total
In Microglia	2 (2.74)	17 (16.26)	19
Not IN Microglia	13 (12.26)	72 (72.74)	85
Total	15	89	104

chi2: 0.030, p: 0.8621546771, OR: 0.65158

	< cutoff	other genes	Total
In Oligodendrocyte	1 (3.46)	8 (5.54)	9
Not IN Oligodendrocyte	39 (36.54)	56 (58.46)	95
Total	40	64	104

chi2: 1.977, p: 0.1596679128, OR: 0.17949

	> cutoff	other genes	Total
In Oligodendrocyte	2 (1.30)	7 (7.70)	9
Not IN Oligodendrocyte	13 (13.70)	82 (81.30)	95
Total	15	89	104

chi2: 0.040, p: 0.8411264158, OR: 1.80220

	< cutoff	other genes	Total
In Neuron	8 (8.08)	13 (12.92)	21
Not IN Neuron	32 (31.92)	51 (51.08)	83
Total	40	64	104

chi2: 0.045, p: 0.8317773750, OR: 0.98077

	> cutoff	other genes	Total
In Neuron	4 (3.03)	17 (17.97)	21
Not IN Neuron	11 (11.97)	72 (71.03)	83
Total	15	89	104

chi2: 0.107, p: 0.7432257981, OR: 1.54011

	< cutoff	other genes	Total
In Endothelia	11 (14.62)	27 (23.38)	38
Not IN Endothelia	29 (25.38)	37 (40.62)	66
Total	40	64	104

chi2: 1.700, p: 0.1922332346, OR: 0.51980

	> cutoff	other genes	Total
In Endothelia	5 (5.48)	33 (32.52)	38
Not IN Endothelia	10 (9.52)	56 (56.48)	66
Total	15	89	104

chi2: 0.000, p: 0.9911064872, OR: 0.84848