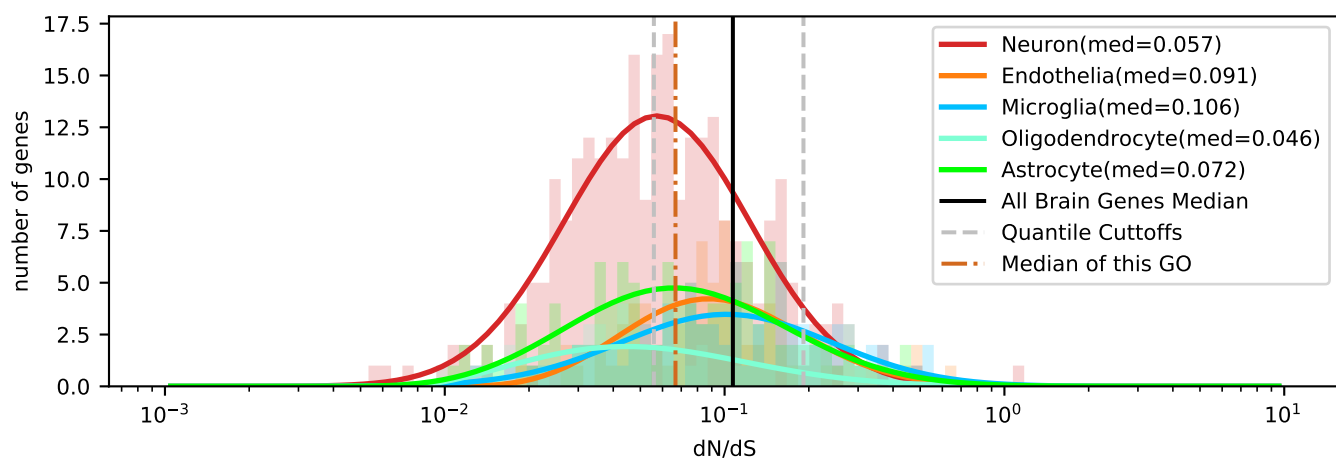


# Five Celltypes Distribution of Average dN/dS Scores of Genes Related to cell-cell signaling



	< cutoff	other genes	Total
In Astrocyte	45 (47.07)	68 (65.93)	113
Not IN Astrocyte	202 (199.93)	278 (280.07)	480
Total	247	346	593

chi2: 0.111, p: 0.7395471556, OR: 0.91075

	> cutoff	other genes	Total
In Astrocyte	14 (12.39)	99 (100.61)	113
Not IN Astrocyte	51 (52.61)	429 (427.39)	480
Total	65	528	593

chi2: 0.139, p: 0.7093031906, OR: 1.18954

	< cutoff	other genes	Total
In Microglia	23 (34.16)	59 (47.84)	82
Not IN Microglia	224 (212.84)	287 (298.16)	511
Total	247	346	593

chi2: 6.611, p: 0.0101344051, OR: 0.49947

	> cutoff	other genes	Total
In Microglia	20 (8.99)	62 (73.01)	82
Not IN Microglia	45 (56.01)	466 (454.99)	511
Total	65	528	593

chi2: 16.023, p: 0.0000625865, OR: 3.34050

	< cutoff	other genes	Total
In Oligodendrocyte	27 (19.16)	19 (26.84)	46
Not IN Oligodendrocyte	220 (227.84)	327 (319.16)	547
Total	247	346	593

chi2: 5.224, p: 0.0222755765, OR: 2.11220

	> cutoff	other genes	Total
In Oligodendrocyte	5 (5.04)	41 (40.96)	46
Not IN Oligodendrocyte	60 (59.96)	487 (487.04)	547
Total	65	528	593

chi2: 0.051, p: 0.8219919921, OR: 0.98984

	< cutoff	other genes	Total
In Neuron	133 (112.46)	137 (157.54)	270
Not IN Neuron	114 (134.54)	209 (188.46)	323
Total	247	346	593

chi2: 11.234, p: 0.0008031619, OR: 1.77981

	> cutoff	other genes	Total
In Neuron	15 (29.60)	255 (240.40)	270
Not IN Neuron	50 (35.40)	273 (287.60)	323
Total	65	528	593

chi2: 13.842, p: 0.0001988449, OR: 0.32118

	< cutoff	other genes	Total
In Endothelia	19 (34.16)	63 (47.84)	82
Not IN Endothelia	228 (212.84)	283 (298.16)	511
Total	247	346	593

chi2: 12.507, p: 0.0004055347, OR: 0.37434

	> cutoff	other genes	Total
In Endothelia	11 (8.99)	71 (73.01)	82
Not IN Endothelia	54 (56.01)	457 (454.99)	511
Total	65	528	593

chi2: 0.331, p: 0.5648265826, OR: 1.31116