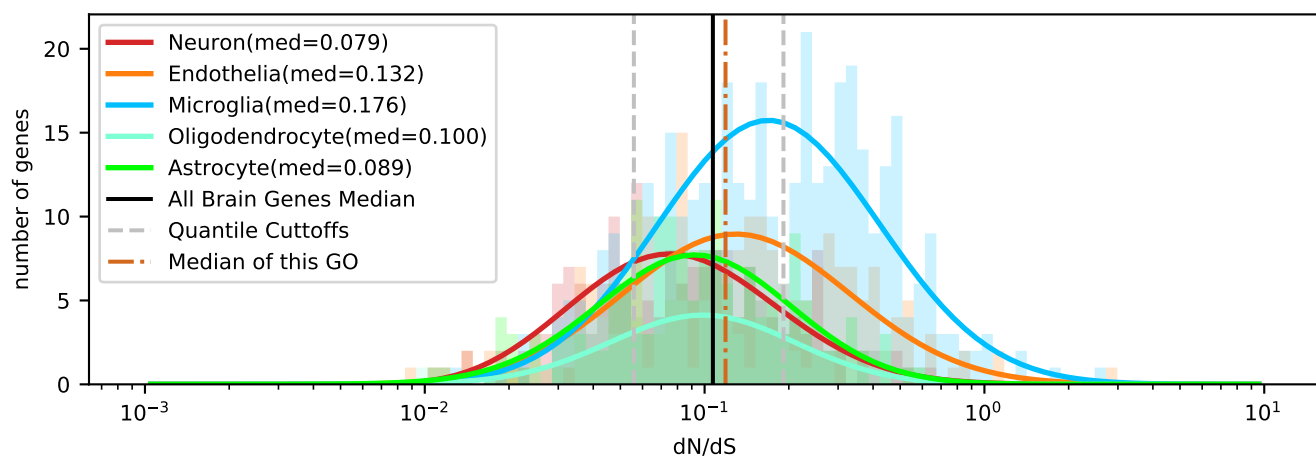


# Five Celltypes Distribution of Average dN/dS Scores of Genes Related to response to stress



	< cutoff	other genes	Total
In Astrocyte	42 (34.16)	124 (131.84)	166
Not IN Astrocyte	171 (178.84)	698 (690.16)	869
Total	213	822	1035

chi2: 2.364, p: 0.1242015879, OR: 1.38257

	> cutoff	other genes	Total
In Astrocyte	32 (54.21)	134 (111.79)	166
Not IN Astrocyte	306 (283.79)	563 (585.21)	869
Total	338	697	1035

chi2: 15.378, p: 0.0000880258, OR: 0.43937

	< cutoff	other genes	Total
In Microglia	47 (79.44)	339 (306.56)	386
Not IN Microglia	166 (133.56)	483 (515.44)	649
Total	213	822	1035

chi2: 25.784, p: 0.0000003819, OR: 0.40340

	> cutoff	other genes	Total
In Microglia	186 (126.06)	200 (259.94)	386
Not IN Microglia	152 (211.94)	497 (437.06)	649
Total	338	697	1035

chi2: 66.383, p: 0.0000000000, OR: 3.04086

	< cutoff	other genes	Total
In Oligodendrocyte	21 (17.49)	64 (67.51)	85
Not IN Oligodendrocyte	192 (195.51)	758 (754.49)	950
Total	213	822	1035

chi2: 0.709, p: 0.3997114788, OR: 1.29541

	> cutoff	other genes	Total
In Oligodendrocyte	15 (27.76)	70 (57.24)	85
Not IN Oligodendrocyte	323 (310.24)	627 (639.76)	950
Total	338	697	1035

chi2: 8.758, p: 0.0030826220, OR: 0.41597

	< cutoff	other genes	Total
In Neuron	62 (35.81)	112 (138.19)	174
Not IN Neuron	151 (177.19)	710 (683.81)	861
Total	213	822	1035

chi2: 27.899, p: 0.0000001278, OR: 2.60289

	> cutoff	other genes	Total
In Neuron	29 (56.82)	145 (117.18)	174
Not IN Neuron	309 (281.18)	552 (579.82)	861
Total	338	697	1035

chi2: 23.452, p: 0.0000012806, OR: 0.35728

	< cutoff	other genes	Total
In Endothelia	41 (46.10)	183 (177.90)	224
Not IN Endothelia	172 (166.90)	639 (644.10)	811
Total	213	822	1035

chi2: 0.737, p: 0.3905825417, OR: 0.83235

	> cutoff	other genes	Total
In Endothelia	76 (73.15)	148 (150.85)	224
Not IN Endothelia	262 (264.85)	549 (546.15)	811
Total	338	697	1035

chi2: 0.143, p: 0.7054533365, OR: 1.07603