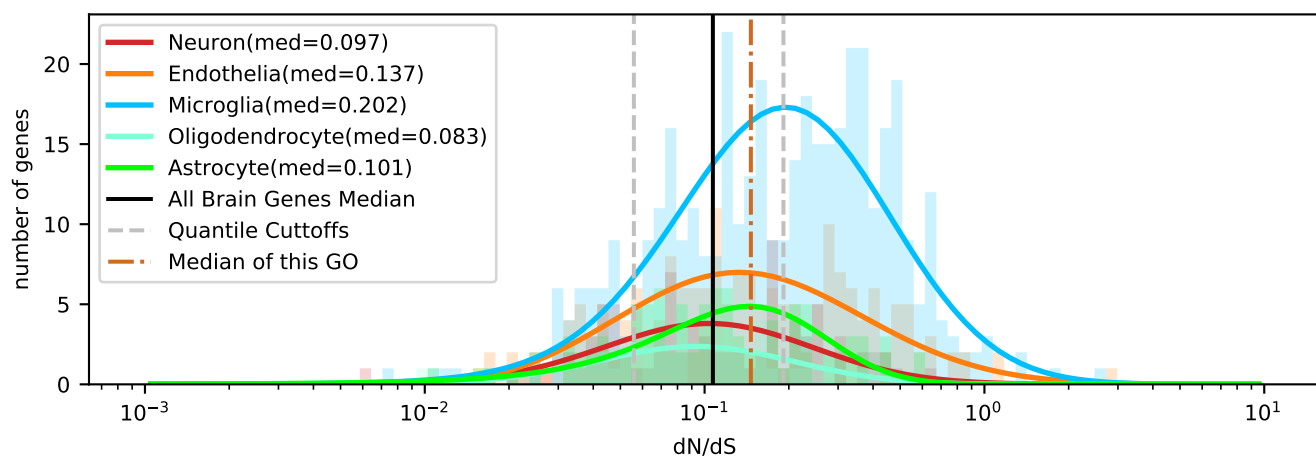


# Five Celltypes Distribution of Average dN/dS Scores of Genes Related to immune system process



	< cutoff	other genes	Total
In Astrocyte	22 (16.83)	77 (82.17)	99
Not IN Astrocyte	121 (126.17)	621 (615.83)	742
Total	143	698	841

chi2: 1.767, p: 0.1838054975, OR: 1.46635

	> cutoff	other genes	Total
In Astrocyte	26 (40.85)	73 (58.15)	99
Not IN Astrocyte	321 (306.15)	421 (435.85)	742
Total	347	494	841

chi2: 9.724, p: 0.0018183703, OR: 0.46712

	< cutoff	other genes	Total
In Microglia	48 (70.73)	368 (345.27)	416
Not IN Microglia	95 (72.27)	330 (352.73)	425
Total	143	698	841

chi2: 16.664, p: 0.0000446171, OR: 0.45309

	> cutoff	other genes	Total
In Microglia	215 (171.64)	201 (244.36)	416
Not IN Microglia	132 (175.36)	293 (249.64)	425
Total	347	494	841

chi2: 36.048, p: 0.0000000019, OR: 2.37430

	< cutoff	other genes	Total
In Oligodendrocyte	14 (8.84)	38 (43.16)	52
Not IN Oligodendrocyte	129 (134.16)	660 (654.84)	789
Total	143	698	841

chi2: 3.152, p: 0.0758488063, OR: 1.88494

	> cutoff	other genes	Total
In Oligodendrocyte	9 (21.46)	43 (30.54)	52
Not IN Oligodendrocyte	338 (325.54)	451 (463.46)	789
Total	347	494	841

chi2: 12.089, p: 0.0005072789, OR: 0.27928

	< cutoff	other genes	Total
In Neuron	26 (15.13)	63 (73.87)	89
Not IN Neuron	117 (127.87)	635 (624.13)	752
Total	143	698	841

chi2: 9.569, p: 0.0019785806, OR: 2.23986

	> cutoff	other genes	Total
In Neuron	24 (36.72)	65 (52.28)	89
Not IN Neuron	323 (310.28)	429 (441.72)	752
Total	347	494	841

chi2: 7.744, p: 0.0053877535, OR: 0.49040

	< cutoff	other genes	Total
In Endothelia	33 (31.46)	152 (153.54)	185
Not IN Endothelia	110 (111.54)	546 (544.46)	656
Total	143	698	841

chi2: 0.053, p: 0.8171495956, OR: 1.07763

	> cutoff	other genes	Total
In Endothelia	73 (76.33)	112 (108.67)	185
Not IN Endothelia	274 (270.67)	382 (385.33)	656
Total	347	494	841

chi2: 0.229, p: 0.6320586033, OR: 0.90869