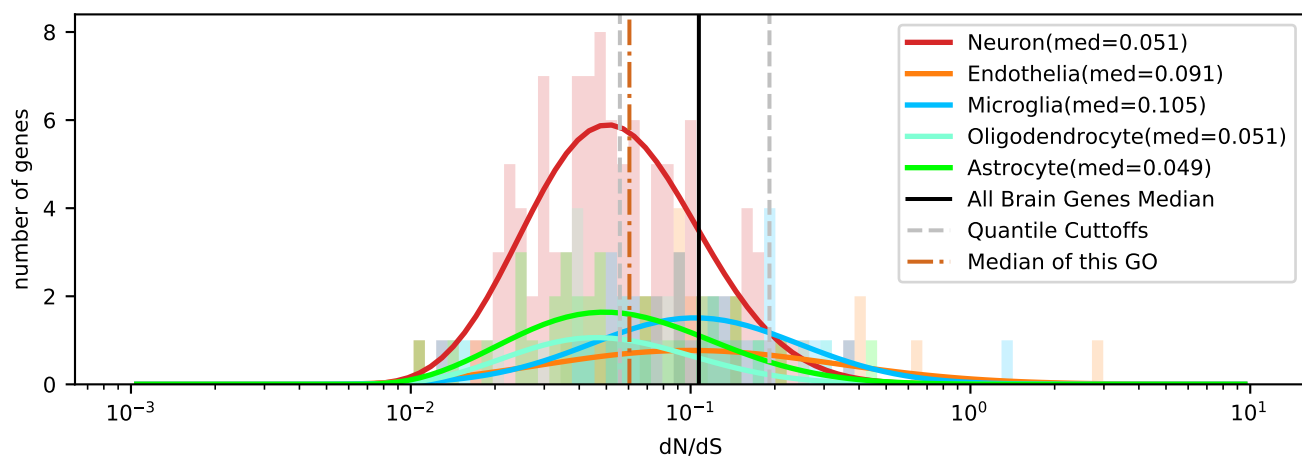


Five Celltypes Distribution of Average dN/dS Scores of Genes Related to regulation_of_membrane_potential



	< cutoff	other genes	Total
In Astrocyte	21 (16.81)	15 (19.19)	36
Not IN Astrocyte	85 (89.19)	106 (101.81)	191
Total	106	121	227

chi2: 1.805, p: 0.1790635587, OR: 1.74588

	> cutoff	other genes	Total
In Astrocyte	2 (3.17)	34 (32.83)	36
Not IN Astrocyte	18 (16.83)	173 (174.17)	191
Total	20	207	227

chi2: 0.185, p: 0.6667299349, OR: 0.56536

	< cutoff	other genes	Total
In Microglia	8 (16.34)	27 (18.66)	35
Not IN Microglia	98 (89.66)	94 (102.34)	192
Total	106	121	227

chi2: 8.349, p: 0.0038583906, OR: 0.28420

	> cutoff	other genes	Total
In Microglia	7 (3.08)	28 (31.92)	35
Not IN Microglia	13 (16.92)	179 (175.08)	192
Total	20	207	227

chi2: 4.907, p: 0.0267473964, OR: 3.44231

	< cutoff	other genes	Total
In Oligodendrocyte	11 (9.81)	10 (11.19)	21
Not IN Oligodendrocyte	95 (96.19)	111 (109.81)	206
Total	106	121	227

chi2: 0.101, p: 0.7500527525, OR: 1.28526

	> cutoff	other genes	Total
In Oligodendrocyte	1 (1.85)	20 (19.15)	21
Not IN Oligodendrocyte	19 (18.15)	187 (187.85)	206
Total	20	207	227

chi2: 0.080, p: 0.7771517631, OR: 0.49211

	< cutoff	other genes	Total
In Neuron	61 (51.83)	50 (59.17)	111
Not IN Neuron	45 (54.17)	71 (61.83)	116
Total	106	121	227

chi2: 5.321, p: 0.0210714163, OR: 1.92489

	> cutoff	other genes	Total
In Neuron	4 (9.78)	107 (101.22)	111
Not IN Neuron	16 (10.22)	100 (105.78)	116
Total	20	207	227

chi2: 6.117, p: 0.0133906887, OR: 0.23364

	< cutoff	other genes	Total
In Endothelia	5 (11.21)	19 (12.79)	24
Not IN Endothelia	101 (94.79)	102 (108.21)	203
Total	106	121	227

chi2: 6.097, p: 0.0135426656, OR: 0.26576

	> cutoff	other genes	Total
In Endothelia	6 (2.11)	18 (21.89)	24
Not IN Endothelia	14 (17.89)	189 (185.11)	203
Total	20	207	227

chi2: 6.647, p: 0.0099339729, OR: 4.50000