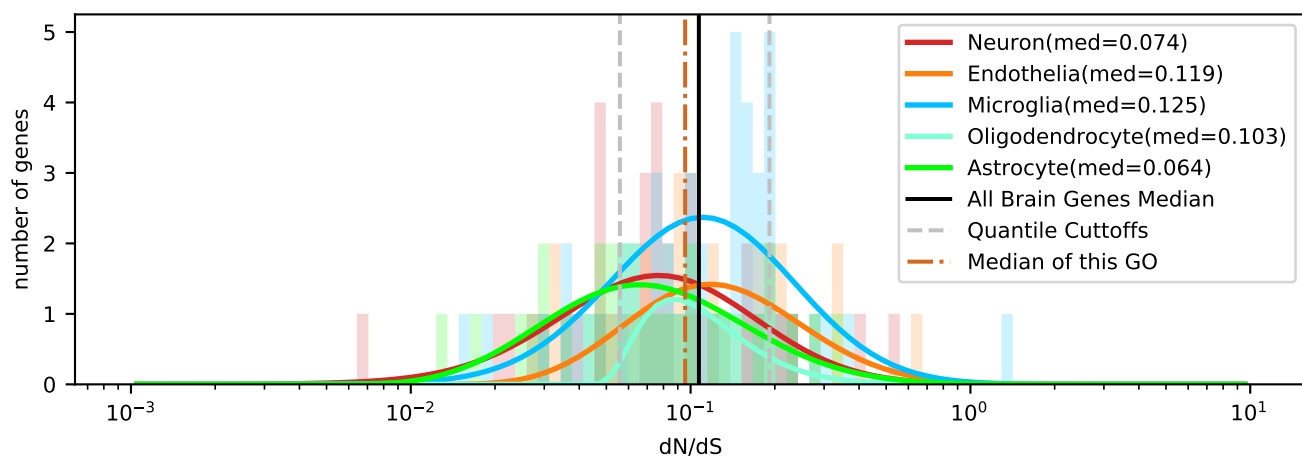


Five Celltypes Distribution of Average dN/dS Scores of Genes Related to carbohydrate metabolic process



	< cutoff	other genes	Total
In Astrocyte	13 (7.85)	18 (23.15)	31
Not IN Astrocyte	26 (31.15)	97 (91.85)	123
Total	39	115	154

chi2: 4.617, p: 0.0316648716, OR: 2.69444

	> cutoff	other genes	Total
In Astrocyte	5 (5.23)	26 (25.77)	31
Not IN Astrocyte	21 (20.77)	102 (102.23)	123
Total	26	128	154

chi2: 0.020, p: 0.8864245163, OR: 0.93407

	< cutoff	other genes	Total
In Microglia	10 (12.41)	39 (36.59)	49
Not IN Microglia	29 (26.59)	76 (78.41)	105
Total	39	115	154

chi2: 0.577, p: 0.4475472402, OR: 0.67197

	> cutoff	other genes	Total
In Microglia	8 (8.27)	41 (40.73)	49
Not IN Microglia	18 (17.73)	87 (87.27)	105
Total	26	128	154

chi2: 0.011, p: 0.9164036682, OR: 0.94309

	< cutoff	other genes	Total
In Oligodendrocyte	0 (3.29)	13 (9.71)	13
Not IN Oligodendrocyte	39 (35.71)	102 (105.29)	141
Total	39	115	154

chi2: 3.464, p: 0.0627320828, OR: 0.00000

	> cutoff	other genes	Total
In Oligodendrocyte	1 (2.19)	12 (10.81)	13
Not IN Oligodendrocyte	25 (23.81)	116 (117.19)	141
Total	26	128	154

chi2: 0.289, p: 0.5908429840, OR: 0.38667

	< cutoff	other genes	Total
In Neuron	13 (8.61)	21 (25.39)	34
Not IN Neuron	26 (30.39)	94 (89.61)	120
Total	39	115	154

chi2: 3.020, p: 0.0822629294, OR: 2.23810

	> cutoff	other genes	Total
In Neuron	4 (5.74)	30 (28.26)	34
Not IN Neuron	22 (20.26)	98 (99.74)	120
Total	26	128	154

chi2: 0.414, p: 0.5200693967, OR: 0.59394

	< cutoff	other genes	Total
In Endothelia	3 (6.84)	24 (20.16)	27
Not IN Endothelia	36 (32.16)	91 (94.84)	127
Total	39	115	154

chi2: 2.646, p: 0.1038397945, OR: 0.31597

	> cutoff	other genes	Total
In Endothelia	8 (4.56)	19 (22.44)	27
Not IN Endothelia	18 (21.44)	109 (105.56)	127
Total	26	128	154

chi2: 2.769, p: 0.0960895834, OR: 2.54971