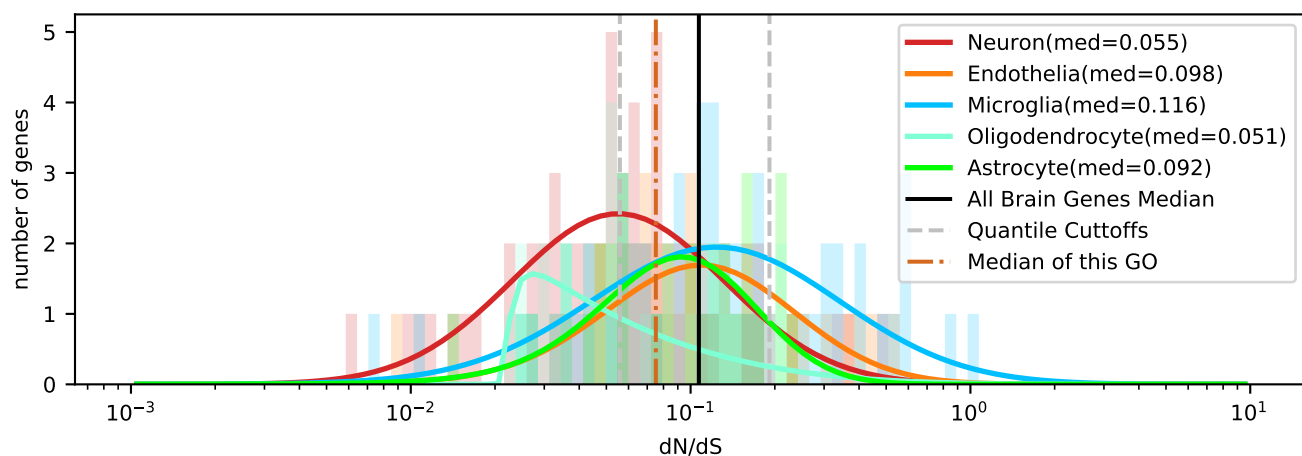


Five Celltypes Distribution of Average dN/dS Scores of Genes Related to membrane organization



	< cutoff	other genes	Total
In Astrocyte	11 (11.30)	21 (20.70)	32
Not IN Astrocyte	60 (59.70)	109 (109.30)	169
Total	71	130	201

chi2: 0.006, p: 0.9368226476, OR: 0.95159

	> cutoff	other genes	Total
In Astrocyte	4 (5.09)	28 (26.91)	32
Not IN Astrocyte	28 (26.91)	141 (142.09)	169
Total	32	169	201

chi2: 0.098, p: 0.7540698172, OR: 0.71939

	< cutoff	other genes	Total
In Microglia	11 (19.07)	43 (34.93)	54
Not IN Microglia	60 (51.93)	87 (95.07)	147
Total	71	130	201

chi2: 6.359, p: 0.0116778635, OR: 0.37093

	> cutoff	other genes	Total
In Microglia	15 (8.60)	39 (45.40)	54
Not IN Microglia	17 (23.40)	130 (123.60)	147
Total	32	169	201

chi2: 6.591, p: 0.0102467229, OR: 2.94118

	< cutoff	other genes	Total
In Oligodendrocyte	14 (7.77)	8 (14.23)	22
Not IN Oligodendrocyte	57 (63.23)	122 (115.77)	179
Total	71	130	201

chi2: 7.332, p: 0.0067722325, OR: 3.74561

	> cutoff	other genes	Total
In Oligodendrocyte	2 (3.50)	20 (18.50)	22
Not IN Oligodendrocyte	30 (28.50)	149 (150.50)	179
Total	32	169	201

chi2: 0.383, p: 0.5358917271, OR: 0.49667

	< cutoff	other genes	Total
In Neuron	30 (20.13)	27 (36.87)	57
Not IN Neuron	41 (50.87)	103 (93.13)	144
Total	71	130	201

chi2: 9.402, p: 0.0021673165, OR: 2.79133

	> cutoff	other genes	Total
In Neuron	4 (9.07)	53 (47.93)	57
Not IN Neuron	28 (22.93)	116 (121.07)	144
Total	32	169	201

chi2: 3.828, p: 0.0503888444, OR: 0.31267

	< cutoff	other genes	Total
In Endothelia	5 (12.72)	31 (23.28)	36
Not IN Endothelia	66 (58.28)	99 (106.72)	165
Total	71	130	201

chi2: 7.713, p: 0.0054813754, OR: 0.24194

	> cutoff	other genes	Total
In Endothelia	7 (5.73)	29 (30.27)	36
Not IN Endothelia	25 (26.27)	140 (138.73)	165
Total	32	169	201

chi2: 0.149, p: 0.6991491692, OR: 1.35172