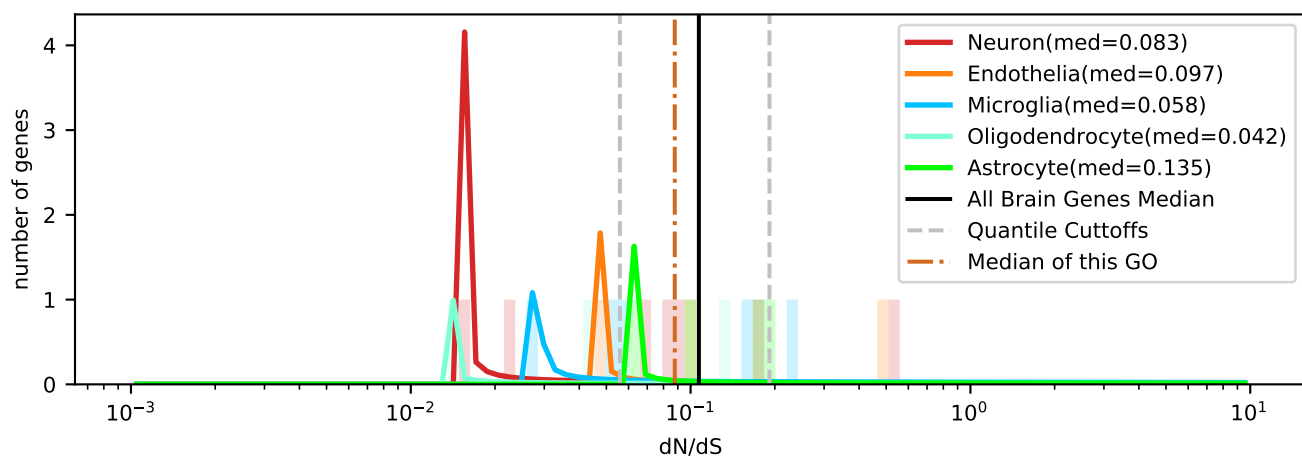


Five Celltypes Distribution of Average dN/dS Scores of Genes Related to vacuolar transport



	< cutoff	other genes	Total
In Astrocyte	0 (1.27)	4 (2.73)	4
Not IN Astrocyte	7 (5.73)	11 (12.27)	18
Total	7	15	22

chi2: 0.841, p: 0.3591094153, OR: 0.00000

	> cutoff	other genes	Total
In Astrocyte	0 (0.55)	4 (3.45)	4
Not IN Astrocyte	3 (2.45)	15 (15.55)	18
Total	3	19	22

chi2: 0.005, p: 0.9416340109, OR: 0.00000

	< cutoff	other genes	Total
In Microglia	2 (1.59)	3 (3.41)	5
Not IN Microglia	5 (5.41)	12 (11.59)	17
Total	7	15	22

chi2: 0.010, p: 0.9209022613, OR: 1.60000

	> cutoff	other genes	Total
In Microglia	1 (0.68)	4 (4.32)	5
Not IN Microglia	2 (2.32)	15 (14.68)	17
Total	3	19	22

chi2: 0.073, p: 0.7875135841, OR: 1.87500

	< cutoff	other genes	Total
In Oligodendrocyte	2 (0.95)	1 (2.05)	3
Not IN Oligodendrocyte	5 (6.05)	14 (12.95)	19
Total	7	15	22

chi2: 0.529, p: 0.4668914937, OR: 5.60000

	> cutoff	other genes	Total
In Oligodendrocyte	0 (0.41)	3 (2.59)	3
Not IN Oligodendrocyte	3 (2.59)	16 (16.41)	19
Total	3	19	22

chi2: 0.027, p: 0.8692777295, OR: 0.00000

	< cutoff	other genes	Total
In Neuron	2 (2.23)	5 (4.77)	7
Not IN Neuron	5 (4.77)	10 (10.23)	15
Total	7	15	22

chi2: 0.072, p: 0.7886810316, OR: 0.80000

	> cutoff	other genes	Total
In Neuron	1 (0.95)	6 (6.05)	7
Not IN Neuron	2 (2.05)	13 (12.95)	15
Total	3	19	22

chi2: 0.368, p: 0.5443232564, OR: 1.08333

	< cutoff	other genes	Total
In Endothelia	1 (0.95)	2 (2.05)	3
Not IN Endothelia	6 (6.05)	13 (12.95)	19
Total	7	15	22

chi2: 0.368, p: 0.5443232564, OR: 1.08333

	> cutoff	other genes	Total
In Endothelia	1 (0.41)	2 (2.59)	3
Not IN Endothelia	2 (2.59)	17 (16.41)	19
Total	3	19	22

chi2: 0.027, p: 0.8692777295, OR: 4.25000