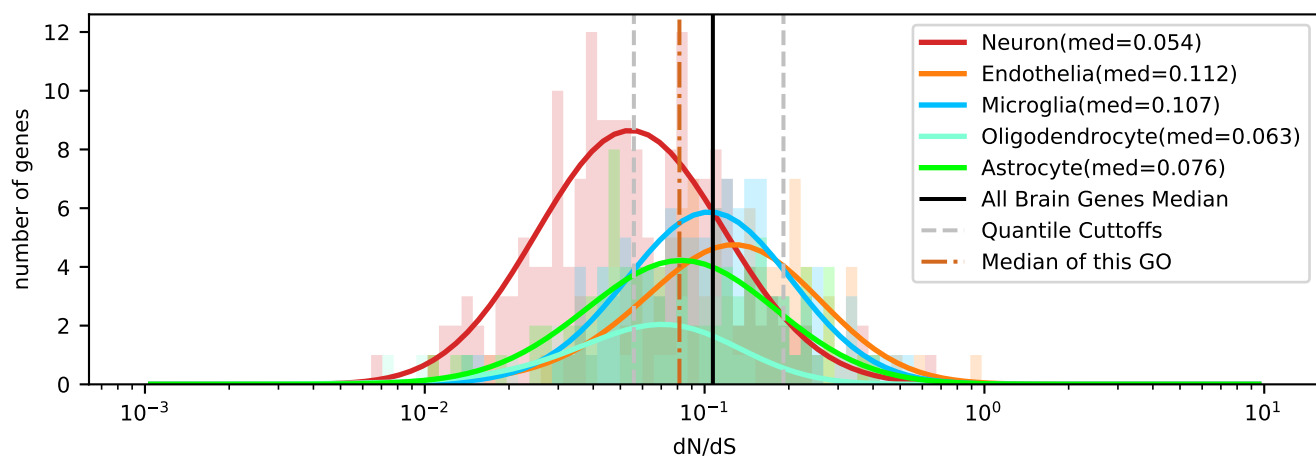


# Five Celltypes Distribution of Average dN/dS Scores of Genes Related to transmembrane transport



	< cutoff	other genes	Total
In Astrocyte	32 (31.19)	57 (57.81)	89
Not IN Astrocyte	146 (146.81)	273 (272.19)	419
Total	178	330	508

chi2: 0.006, p: 0.9385823279, OR: 1.04975

	> cutoff	other genes	Total
In Astrocyte	12 (11.04)	77 (77.96)	89
Not IN Astrocyte	51 (51.96)	368 (367.04)	419
Total	63	445	508

chi2: 0.027, p: 0.8698786367, OR: 1.12452

	< cutoff	other genes	Total
In Microglia	23 (37.84)	85 (70.16)	108
Not IN Microglia	155 (140.16)	245 (259.84)	400
Total	178	330	508

chi2: 10.627, p: 0.0011142820, OR: 0.42770

	> cutoff	other genes	Total
In Microglia	17 (13.39)	91 (94.61)	108
Not IN Microglia	46 (49.61)	354 (350.39)	400
Total	63	445	508

chi2: 1.044, p: 0.3067855721, OR: 1.43765

	< cutoff	other genes	Total
In Oligodendrocyte	17 (13.31)	21 (24.69)	38
Not IN Oligodendrocyte	161 (164.69)	309 (305.31)	470
Total	178	330	508

chi2: 1.268, p: 0.2602047151, OR: 1.55368

	> cutoff	other genes	Total
In Oligodendrocyte	1 (4.71)	37 (33.29)	38
Not IN Oligodendrocyte	62 (58.29)	408 (411.71)	470
Total	63	445	508

chi2: 2.702, p: 0.1002081155, OR: 0.17786

	< cutoff	other genes	Total
In Neuron	93 (62.37)	85 (115.63)	178
Not IN Neuron	85 (115.63)	245 (214.37)	330
Total	178	330	508

chi2: 34.492, p: 0.0000000043, OR: 3.15363

	> cutoff	other genes	Total
In Neuron	8 (22.07)	170 (155.93)	178
Not IN Neuron	55 (40.93)	275 (289.07)	330
Total	63	445	508

chi2: 14.670, p: 0.0001280832, OR: 0.23529

	< cutoff	other genes	Total
In Endothelia	13 (33.29)	82 (61.71)	95
Not IN Endothelia	165 (144.71)	248 (268.29)	413
Total	178	330	508

chi2: 22.272, p: 0.0000023662, OR: 0.23829

	> cutoff	other genes	Total
In Endothelia	25 (11.78)	70 (83.22)	95
Not IN Endothelia	38 (51.22)	375 (361.78)	413
Total	63	445	508

chi2: 19.279, p: 0.0000112930, OR: 3.52444