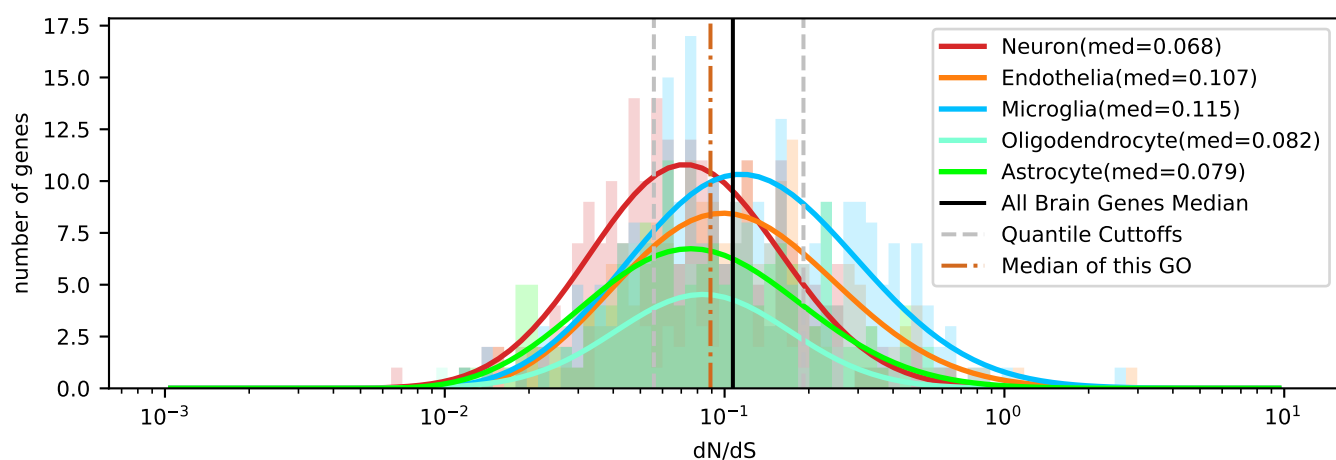


# Five Celltypes Distribution of Average dN/dS Scores of Genes Related to cellular protein modification process



	< cutoff	other genes	Total
In Astrocyte	53 (44.53)	105 (113.47)	158
Not IN Astrocyte	208 (216.47)	560 (551.53)	768
Total	261	665	926

chi2: 2.393, p: 0.1219021303, OR: 1.35897

	> cutoff	other genes	Total
In Astrocyte	26 (31.57)	132 (126.43)	158
Not IN Astrocyte	159 (153.43)	609 (614.57)	768
Total	185	741	926

chi2: 1.225, p: 0.2683829936, OR: 0.75443

	< cutoff	other genes	Total
In Microglia	49 (71.87)	206 (183.13)	255
Not IN Microglia	212 (189.13)	459 (481.87)	671
Total	261	665	926

chi2: 13.384, p: 0.0002537972, OR: 0.51500

	> cutoff	other genes	Total
In Microglia	83 (50.94)	172 (204.06)	255
Not IN Microglia	102 (134.06)	569 (536.94)	671
Total	185	741	926

chi2: 33.707, p: 0.0000000064, OR: 2.69192

	< cutoff	other genes	Total
In Oligodendrocyte	30 (24.80)	58 (63.20)	88
Not IN Oligodendrocyte	231 (236.20)	607 (601.80)	838
Total	261	665	926

chi2: 1.368, p: 0.2420935394, OR: 1.35916

	> cutoff	other genes	Total
In Oligodendrocyte	10 (17.58)	78 (70.42)	88
Not IN Oligodendrocyte	175 (167.42)	663 (670.58)	838
Total	185	741	926

chi2: 3.938, p: 0.0471994868, OR: 0.48571

	< cutoff	other genes	Total
In Neuron	86 (63.70)	140 (162.30)	226
Not IN Neuron	175 (197.30)	525 (502.70)	700
Total	261	665	926

chi2: 13.743, p: 0.0002095850, OR: 1.84286

	> cutoff	other genes	Total
In Neuron	24 (45.15)	202 (180.85)	226
Not IN Neuron	161 (139.85)	539 (560.15)	700
Total	185	741	926

chi2: 15.614, p: 0.0000776590, OR: 0.39776

	< cutoff	other genes	Total
In Endothelia	43 (56.09)	156 (142.91)	199
Not IN Endothelia	218 (204.91)	509 (522.09)	727
Total	261	665	926

chi2: 5.012, p: 0.0251724807, OR: 0.64358

	> cutoff	other genes	Total
In Endothelia	42 (39.76)	157 (159.24)	199
Not IN Endothelia	143 (145.24)	584 (581.76)	727
Total	185	741	926

chi2: 0.122, p: 0.7272733283, OR: 1.09251