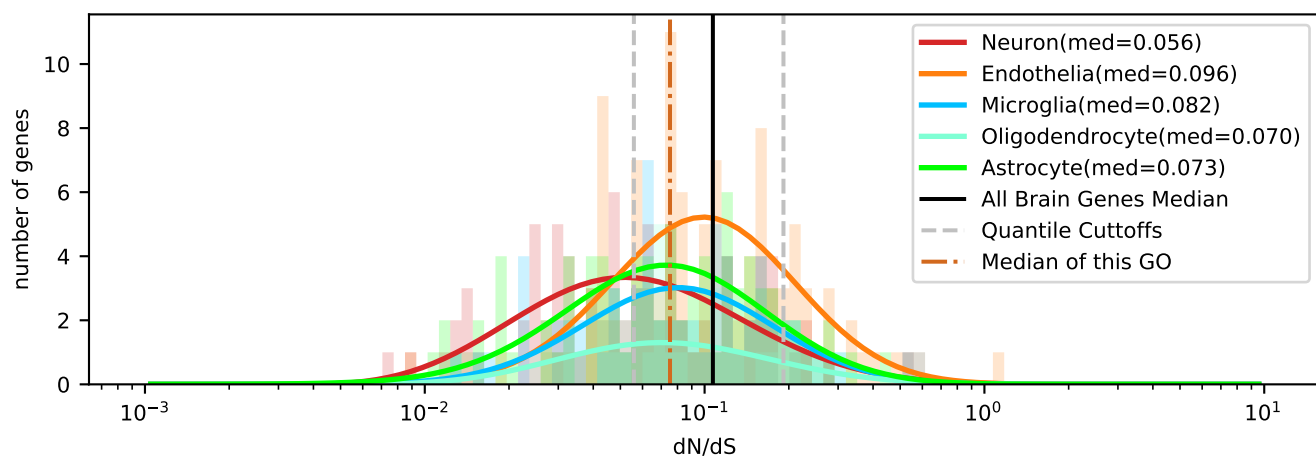


Five Celltypes Distribution of Average dN/dS Scores of Genes Related to embryo development



	< cutoff	other genes	Total
In Astrocyte	31 (29.45)	53 (54.55)	84
Not IN Astrocyte	98 (99.55)	186 (184.45)	284
Total	129	239	368

chi2: 0.075, p: 0.7837389293, OR: 1.11013

	> cutoff	other genes	Total
In Astrocyte	9 (10.73)	75 (73.27)	84
Not IN Astrocyte	38 (36.27)	246 (247.73)	284
Total	47	321	368

chi2: 0.209, p: 0.6476363384, OR: 0.77684

	< cutoff	other genes	Total
In Microglia	19 (22.43)	45 (41.57)	64
Not IN Microglia	110 (106.57)	194 (197.43)	304
Total	129	239	368

chi2: 0.716, p: 0.3975997789, OR: 0.74465

	> cutoff	other genes	Total
In Microglia	9 (8.17)	55 (55.83)	64
Not IN Microglia	38 (38.83)	266 (265.17)	304
Total	47	321	368

chi2: 0.018, p: 0.8931162133, OR: 1.14545

	< cutoff	other genes	Total
In Oligodendrocyte	11 (10.52)	19 (19.48)	30
Not IN Oligodendrocyte	118 (118.48)	220 (219.52)	338
Total	129	239	368

chi2: 0.000, p: 0.9948060308, OR: 1.07939

	> cutoff	other genes	Total
In Oligodendrocyte	4 (3.83)	26 (26.17)	30
Not IN Oligodendrocyte	43 (43.17)	295 (294.83)	338
Total	47	321	368

chi2: 0.036, p: 0.8499216636, OR: 1.05546

	< cutoff	other genes	Total
In Neuron	43 (29.10)	40 (53.90)	83
Not IN Neuron	86 (99.90)	199 (185.10)	285
Total	129	239	368

chi2: 12.279, p: 0.0004581081, OR: 2.48750

	> cutoff	other genes	Total
In Neuron	6 (10.60)	77 (72.40)	83
Not IN Neuron	41 (36.40)	244 (248.60)	285
Total	47	321	368

chi2: 2.348, p: 0.1254428287, OR: 0.46373

	< cutoff	other genes	Total
In Endothelia	25 (37.51)	82 (69.49)	107
Not IN Endothelia	104 (91.49)	157 (169.51)	261
Total	129	239	368

chi2: 8.346, p: 0.0038651469, OR: 0.46025

	> cutoff	other genes	Total
In Endothelia	19 (13.67)	88 (93.33)	107
Not IN Endothelia	28 (33.33)	233 (227.67)	261
Total	47	321	368

chi2: 2.764, p: 0.0963936863, OR: 1.79667