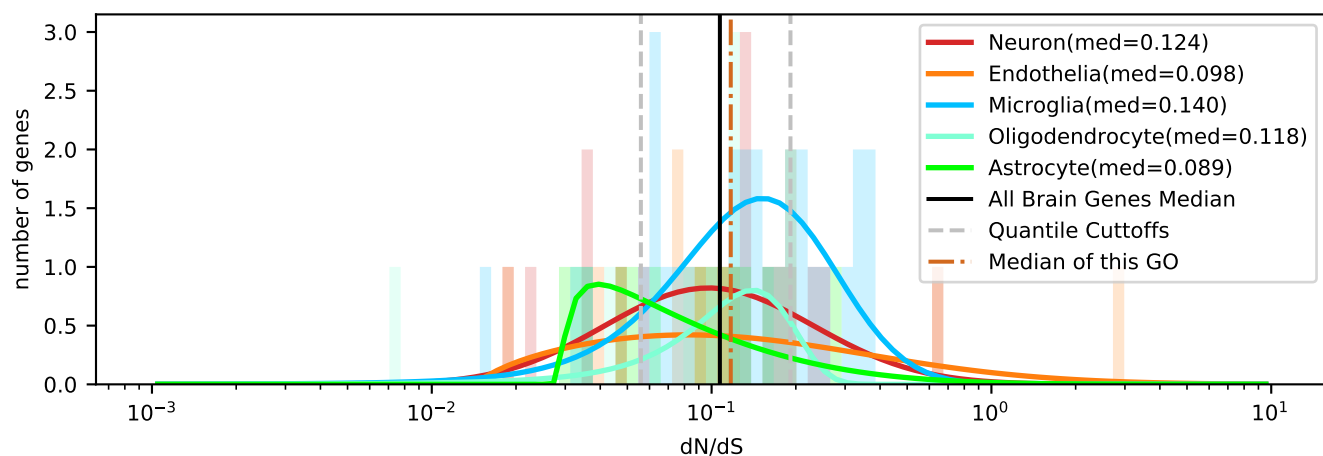


Five Celltypes Distribution of Average dN/dS Scores of Genes Related to nucleobase-containing compound catabolic process



	< cutoff	other genes	Total
In Astrocyte	5 (2.75)	8 (10.25)	13
Not IN Astrocyte	13 (15.25)	59 (56.75)	72
Total	18	67	85

chi2: 1.661, p: 0.1975307731, OR: 2.83654

	> cutoff	other genes	Total
In Astrocyte	1 (3.06)	12 (9.94)	13
Not IN Astrocyte	19 (16.94)	53 (55.06)	72
Total	20	65	85

chi2: 1.226, p: 0.2681086604, OR: 0.23246

	< cutoff	other genes	Total
In Microglia	3 (6.14)	26 (22.86)	29
Not IN Microglia	15 (11.86)	41 (44.14)	56
Total	18	67	85

chi2: 2.187, p: 0.1391485358, OR: 0.31538

	> cutoff	other genes	Total
In Microglia	10 (6.82)	19 (22.18)	29
Not IN Microglia	10 (13.18)	46 (42.82)	56
Total	20	65	85

chi2: 2.084, p: 0.1488708898, OR: 2.42105

	< cutoff	other genes	Total
In Oligodendrocyte	2 (2.12)	8 (7.88)	10
Not IN Oligodendrocyte	16 (15.88)	59 (59.12)	75
Total	18	67	85

chi2: 0.099, p: 0.7527187039, OR: 0.92188

	> cutoff	other genes	Total
In Oligodendrocyte	2 (2.35)	8 (7.65)	10
Not IN Oligodendrocyte	18 (17.65)	57 (57.35)	75
Total	20	65	85

chi2: 0.014, p: 0.9070879278, OR: 0.79167

	< cutoff	other genes	Total
In Neuron	5 (4.02)	14 (14.98)	19
Not IN Neuron	13 (13.98)	53 (52.02)	66
Total	18	67	85

chi2: 0.092, p: 0.7614111866, OR: 1.45604

	> cutoff	other genes	Total
In Neuron	3 (4.47)	16 (14.53)	19
Not IN Neuron	17 (15.53)	49 (50.47)	66
Total	20	65	85

chi2: 0.355, p: 0.5513615745, OR: 0.54044

	< cutoff	other genes	Total
In Endothelia	3 (2.96)	11 (11.04)	14
Not IN Endothelia	15 (15.04)	56 (55.96)	71
Total	18	67	85

chi2: 0.111, p: 0.7394261440, OR: 1.01818

	> cutoff	other genes	Total
In Endothelia	4 (3.29)	10 (10.71)	14
Not IN Endothelia	16 (16.71)	55 (54.29)	71
Total	20	65	85

chi2: 0.020, p: 0.8871331188, OR: 1.37500