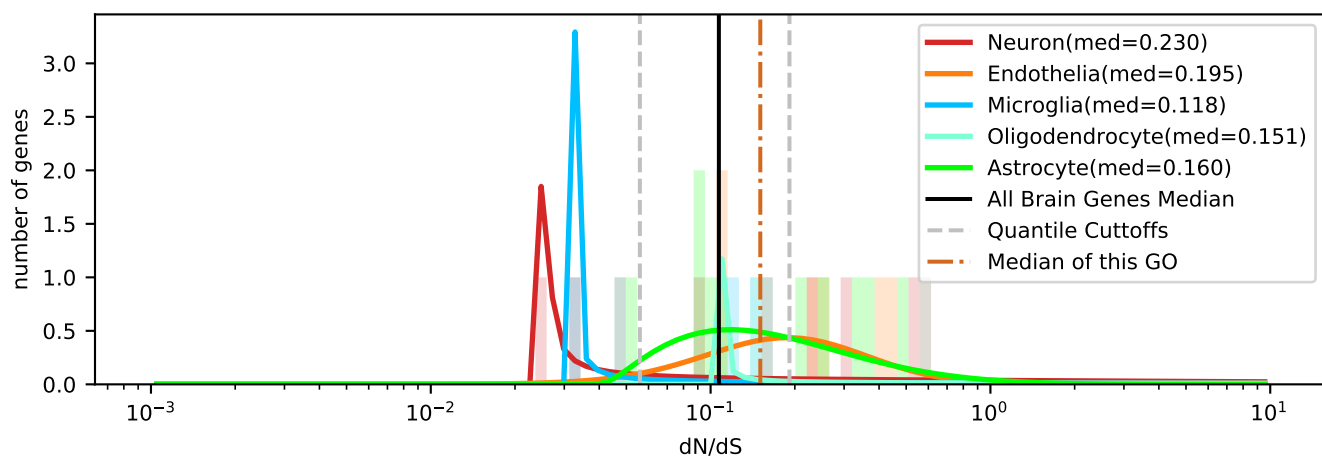


Five Celltypes Distribution of Average dN/dS Scores of Genes Related to chromosome segregation



	< cutoff	other genes	Total
In Astrocyte	1 (1.82)	9 (8.18)	10
Not IN Astrocyte	5 (4.18)	18 (18.82)	23
Total	6	27	33

chi2: 0.098, p: 0.7546743291, OR: 0.40000

	> cutoff	other genes	Total
In Astrocyte	5 (4.24)	5 (5.76)	10
Not IN Astrocyte	9 (9.76)	14 (13.24)	23
Total	14	19	33

chi2: 0.039, p: 0.8435059895, OR: 1.55556

	< cutoff	other genes	Total
In Microglia	2 (0.91)	3 (4.09)	5
Not IN Microglia	4 (5.09)	24 (22.91)	28
Total	6	27	33

chi2: 0.553, p: 0.4569830942, OR: 4.00000

	> cutoff	other genes	Total
In Microglia	0 (2.12)	5 (2.88)	5
Not IN Microglia	14 (11.88)	14 (16.12)	28
Total	14	19	33

chi2: 2.536, p: 0.1112506085, OR: 0.00000

	< cutoff	other genes	Total
In Oligodendrocyte	0 (0.55)	3 (2.45)	3
Not IN Oligodendrocyte	6 (5.45)	24 (24.55)	30
Total	6	27	33

chi2: 0.005, p: 0.9431093312, OR: 0.00000

	> cutoff	other genes	Total
In Oligodendrocyte	1 (1.27)	2 (1.73)	3
Not IN Oligodendrocyte	13 (12.73)	17 (17.27)	30
Total	14	19	33

chi2: 0.078, p: 0.7806625434, OR: 0.65385

	< cutoff	other genes	Total
In Neuron	2 (1.27)	5 (5.73)	7
Not IN Neuron	4 (4.73)	22 (21.27)	26
Total	6	27	33

chi2: 0.063, p: 0.8018805384, OR: 2.20000

	> cutoff	other genes	Total
In Neuron	4 (2.97)	3 (4.03)	7
Not IN Neuron	10 (11.03)	16 (14.97)	26
Total	14	19	33

chi2: 0.209, p: 0.6477449293, OR: 2.13333

	< cutoff	other genes	Total
In Endothelia	1 (1.45)	7 (6.55)	8
Not IN Endothelia	5 (4.55)	20 (20.45)	25
Total	6	27	33

chi2: 0.002, p: 0.9618187683, OR: 0.57143

	> cutoff	other genes	Total
In Endothelia	4 (3.39)	4 (4.61)	8
Not IN Endothelia	10 (10.61)	15 (14.39)	25
Total	14	19	33

chi2: 0.008, p: 0.9305360417, OR: 1.50000