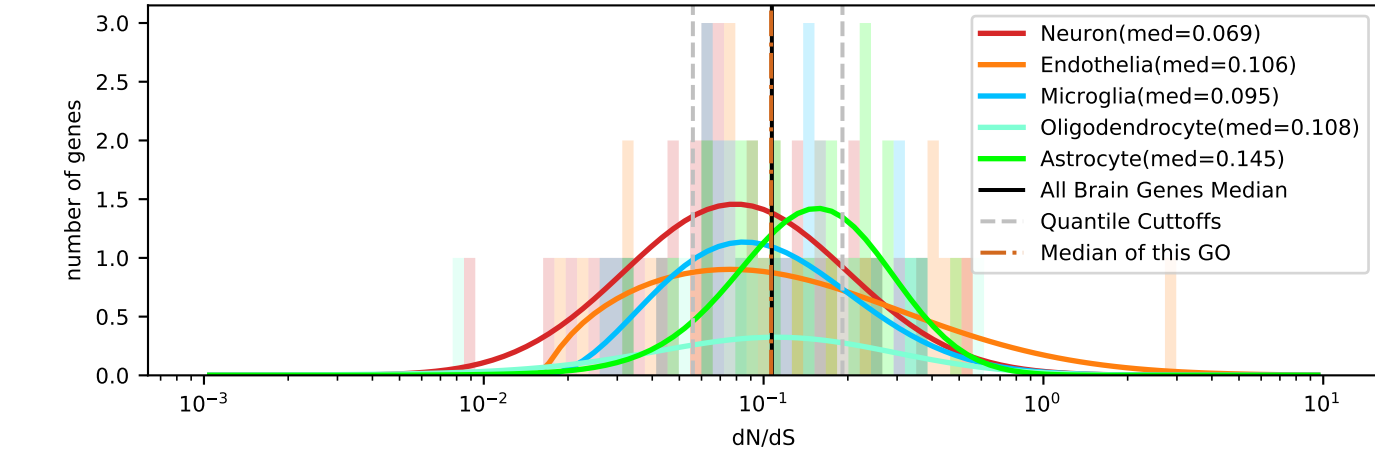


Five Celltypes Distribution of Average dN/dS Scores of Genes Related to chromosome organization



	< cutoff	other genes	Total
In Astrocyte	2 (5.53)	23 (19.47)	25
Not IN Astrocyte	25 (21.47)	72 (75.53)	97
Total	27	95	122

chi2: 2.685, p: 0.1012894115, OR: 0.25043

	> cutoff	other genes	Total
In Astrocyte	10 (6.76)	15 (18.24)	25
Not IN Astrocyte	23 (26.24)	74 (70.76)	97
Total	33	89	122

chi2: 1.911, p: 0.1668637520, OR: 2.14493

	< cutoff	other genes	Total
In Microglia	4 (5.31)	20 (18.69)	24
Not IN Microglia	23 (21.69)	75 (76.31)	98
Total	27	95	122

chi2: 0.198, p: 0.6561769965, OR: 0.65217

	> cutoff	other genes	Total
In Microglia	5 (6.49)	19 (17.51)	24
Not IN Microglia	28 (26.51)	70 (71.49)	98
Total	33	89	122

chi2: 0.259, p: 0.6110997046, OR: 0.65789

	< cutoff	other genes	Total
In Oligodendrocyte	3 (1.99)	6 (7.01)	9
Not IN Oligodendrocyte	24 (25.01)	89 (87.99)	113
Total	27	95	122

chi2: 0.180, p: 0.6715646833, OR: 1.85417

	> cutoff	other genes	Total
In Oligodendrocyte	3 (2.43)	6 (6.57)	9
Not IN Oligodendrocyte	30 (30.57)	83 (82.43)	113
Total	33	89	122

chi2: 0.003, p: 0.9592236512, OR: 1.38333

	< cutoff	other genes	Total
In Neuron	12 (7.97)	24 (28.03)	36
Not IN Neuron	15 (19.03)	71 (66.97)	86
Total	27	95	122

chi2: 2.854, p: 0.0911573024, OR: 2.36667

	> cutoff	other genes	Total
In Neuron	7 (9.74)	29 (26.26)	36
Not IN Neuron	26 (23.26)	60 (62.74)	86
Total	33	89	122

chi2: 1.000, p: 0.3173215250, OR: 0.55703

	< cutoff	other genes	Total
In Endothelia	6 (6.20)	22 (21.80)	28
Not IN Endothelia	21 (20.80)	73 (73.20)	94
Total	27	95	122

chi2: 0.025, p: 0.8750180421, OR: 0.94805

	> cutoff	other genes	Total
In Endothelia	8 (7.57)	20 (20.43)	28
Not IN Endothelia	25 (25.43)	69 (68.57)	94
Total	33	89	122

chi2: 0.001, p: 0.9714783237, OR: 1.10400