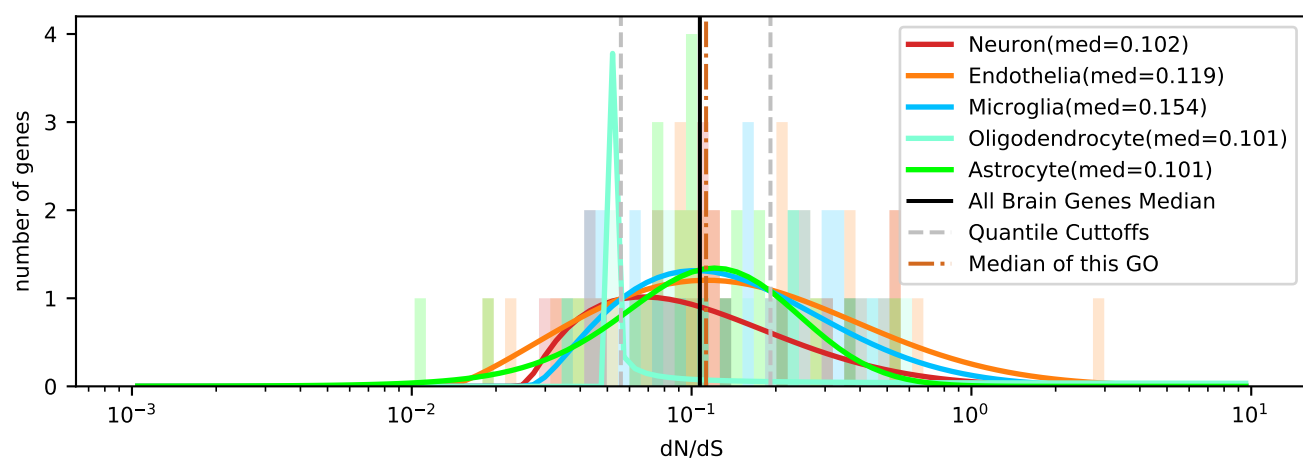


Five Celltypes Distribution of Average dN/dS Scores of Genes Related to DNA metabolic process



	< cutoff	other genes	Total
In Astrocyte	4 (5.18)	23 (21.82)	27
Not IN Astrocyte	20 (18.82)	78 (79.18)	98
Total	24	101	125

chi2: 0.142, p: 0.7058389157, OR: 0.67826

	> cutoff	other genes	Total
In Astrocyte	6 (9.29)	21 (17.71)	27
Not IN Astrocyte	37 (33.71)	61 (64.29)	98
Total	43	82	125

chi2: 1.627, p: 0.2020894701, OR: 0.47104

	< cutoff	other genes	Total
In Microglia	5 (5.76)	25 (24.24)	30
Not IN Microglia	19 (18.24)	76 (76.76)	95
Total	24	101	125

chi2: 0.019, p: 0.8900467421, OR: 0.80000

	> cutoff	other genes	Total
In Microglia	13 (10.32)	17 (19.68)	30
Not IN Microglia	30 (32.68)	65 (62.32)	95
Total	43	82	125

chi2: 0.924, p: 0.3365137369, OR: 1.65686

	< cutoff	other genes	Total
In Oligodendrocyte	2 (1.92)	8 (8.08)	10
Not IN Oligodendrocyte	22 (22.08)	93 (92.92)	115
Total	24	101	125

chi2: 0.124, p: 0.7251684948, OR: 1.05682

	> cutoff	other genes	Total
In Oligodendrocyte	3 (3.44)	7 (6.56)	10
Not IN Oligodendrocyte	40 (39.56)	75 (75.44)	115
Total	43	82	125

chi2: 0.002, p: 0.9667845027, OR: 0.80357

	< cutoff	other genes	Total
In Neuron	5 (4.22)	17 (17.78)	22
Not IN Neuron	19 (19.78)	84 (83.22)	103
Total	24	101	125

chi2: 0.027, p: 0.8692743406, OR: 1.30031

	> cutoff	other genes	Total
In Neuron	5 (7.57)	17 (14.43)	22
Not IN Neuron	38 (35.43)	65 (67.57)	103
Total	43	82	125

chi2: 1.045, p: 0.3065653287, OR: 0.50310

	< cutoff	other genes	Total
In Endothelia	8 (6.91)	28 (29.09)	36
Not IN Endothelia	16 (17.09)	73 (71.91)	89
Total	24	101	125

chi2: 0.087, p: 0.7680936079, OR: 1.30357

	> cutoff	other genes	Total
In Endothelia	16 (12.38)	20 (23.62)	36
Not IN Endothelia	27 (30.62)	62 (58.38)	89
Total	43	82	125

chi2: 1.679, p: 0.1951090909, OR: 1.83704