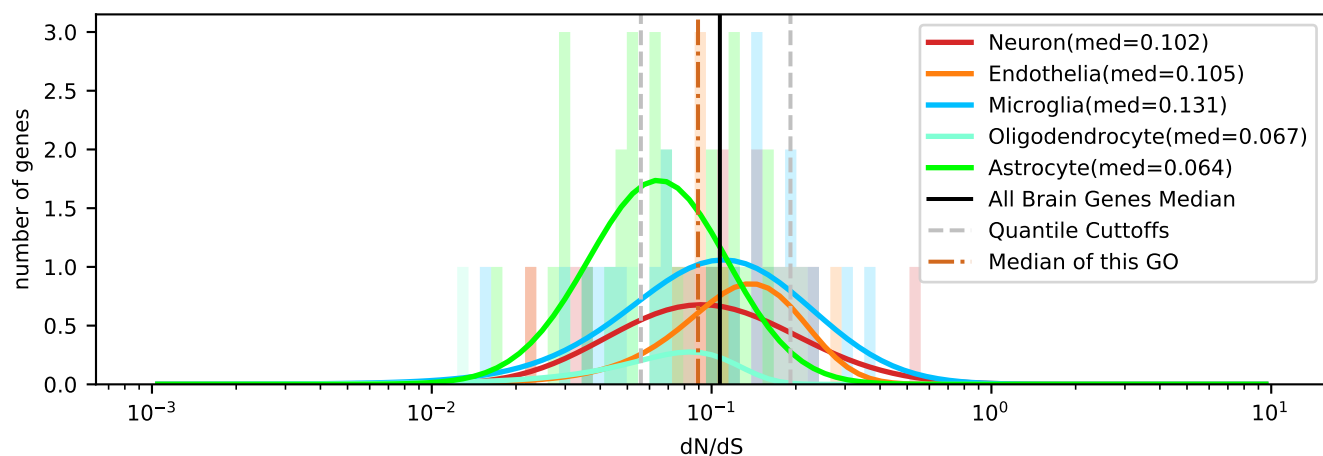


Five Celltypes Distribution of Average dN/dS Scores of Genes Related to generation of precursor metabolites and energy



	< cutoff	other genes	Total
In Astrocyte	12 (8.20)	15 (18.80)	27
Not IN Astrocyte	12 (15.80)	40 (36.20)	52
Total	24	55	79

chi2: 2.893, p: 0.0889823835, OR: 2.66667

	> cutoff	other genes	Total
In Astrocyte	0 (3.42)	27 (23.58)	27
Not IN Astrocyte	10 (6.58)	42 (45.42)	52
Total	10	69	79

chi2: 4.333, p: 0.0373881812, OR: 0.00000

	< cutoff	other genes	Total
In Microglia	6 (6.68)	16 (15.32)	22
Not IN Microglia	18 (17.32)	39 (39.68)	57
Total	24	55	79

chi2: 0.010, p: 0.9202078721, OR: 0.81250

	> cutoff	other genes	Total
In Microglia	5 (2.78)	17 (19.22)	22
Not IN Microglia	5 (7.22)	52 (49.78)	57
Total	10	69	79

chi2: 1.676, p: 0.1954130619, OR: 3.05882

	< cutoff	other genes	Total
In Oligodendrocyte	2 (1.22)	2 (2.78)	4
Not IN Oligodendrocyte	22 (22.78)	53 (52.22)	75
Total	24	55	79

chi2: 0.101, p: 0.7506396605, OR: 2.40909

	> cutoff	other genes	Total
In Oligodendrocyte	0 (0.51)	4 (3.49)	4
Not IN Oligodendrocyte	10 (9.49)	65 (65.51)	75
Total	10	69	79

chi2: 0.000, p: 0.9922065181, OR: 0.00000

	< cutoff	other genes	Total
In Neuron	3 (4.25)	11 (9.75)	14
Not IN Neuron	21 (19.75)	44 (45.25)	65
Total	24	55	79

chi2: 0.233, p: 0.6294306522, OR: 0.57143

	> cutoff	other genes	Total
In Neuron	2 (1.77)	12 (12.23)	14
Not IN Neuron	8 (8.23)	57 (56.77)	65
Total	10	69	79

chi2: 0.058, p: 0.8094304707, OR: 1.18750

	< cutoff	other genes	Total
In Endothelia	1 (3.65)	11 (8.35)	12
Not IN Endothelia	23 (20.35)	44 (46.65)	67
Total	24	55	79

chi2: 2.139, p: 0.1436297114, OR: 0.17391

	> cutoff	other genes	Total
In Endothelia	3 (1.52)	9 (10.48)	12
Not IN Endothelia	7 (8.48)	60 (58.52)	67
Total	10	69	79

chi2: 0.855, p: 0.3550534907, OR: 2.85714