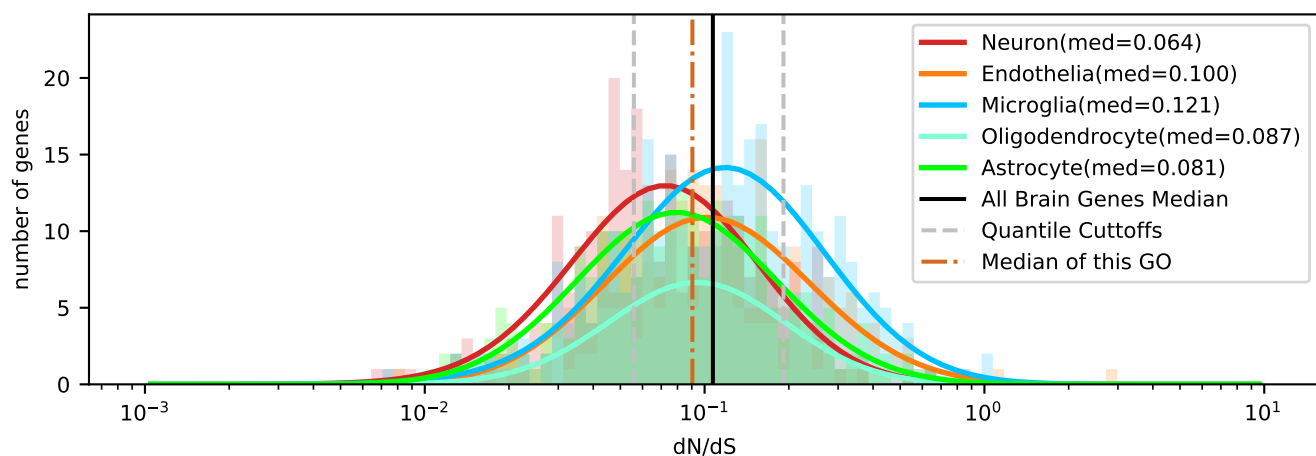


Five Celltypes Distribution of Average dN/dS Scores of Genes Related to biosynthetic process



	< cutoff	other genes	Total
In Astrocyte	82 (69.32)	165 (177.68)	247
Not IN Astrocyte	259 (271.68)	709 (696.32)	968
Total	341	874	1215

chi2: 3.732, p: 0.0533641171, OR: 1.36043

	> cutoff	other genes	Total
In Astrocyte	35 (46.55)	212 (200.45)	247
Not IN Astrocyte	194 (182.45)	774 (785.55)	968
Total	229	986	1215

chi2: 4.060, p: 0.0439226797, OR: 0.65868

	< cutoff	other genes	Total
In Microglia	63 (89.53)	256 (229.47)	319
Not IN Microglia	278 (251.47)	618 (644.53)	896
Total	341	874	1215

chi2: 14.266, p: 0.0001586731, OR: 0.54707

	> cutoff	other genes	Total
In Microglia	85 (60.12)	234 (258.88)	319
Not IN Microglia	144 (168.88)	752 (727.12)	896
Total	229	986	1215

chi2: 16.513, p: 0.0000483112, OR: 1.89696

	< cutoff	other genes	Total
In Oligodendrocyte	29 (36.77)	102 (94.23)	131
Not IN Oligodendrocyte	312 (304.23)	772 (779.77)	1084
Total	341	874	1215

chi2: 2.238, p: 0.1346893191, OR: 0.70349

	> cutoff	other genes	Total
In Oligodendrocyte	22 (24.69)	109 (106.31)	131
Not IN Oligodendrocyte	207 (204.31)	877 (879.69)	1084
Total	229	986	1215

chi2: 0.268, p: 0.6043930532, OR: 0.85512

	< cutoff	other genes	Total
In Neuron	109 (76.34)	163 (195.66)	272
Not IN Neuron	232 (264.66)	711 (678.34)	943
Total	341	874	1215

chi2: 24.268, p: 0.0000008381, OR: 2.04937

	> cutoff	other genes	Total
In Neuron	32 (51.27)	240 (220.73)	272
Not IN Neuron	197 (177.73)	746 (765.27)	943
Total	229	986	1215

chi2: 10.906, p: 0.0009584479, OR: 0.50491

	< cutoff	other genes	Total
In Endothelia	58 (69.04)	188 (176.96)	246
Not IN Endothelia	283 (271.96)	686 (697.04)	969
Total	341	874	1215

chi2: 2.806, p: 0.0939272304, OR: 0.74784

	> cutoff	other genes	Total
In Endothelia	55 (46.37)	191 (199.63)	246
Not IN Endothelia	174 (182.63)	795 (786.37)	969
Total	229	986	1215

chi2: 2.205, p: 0.1375557705, OR: 1.31567