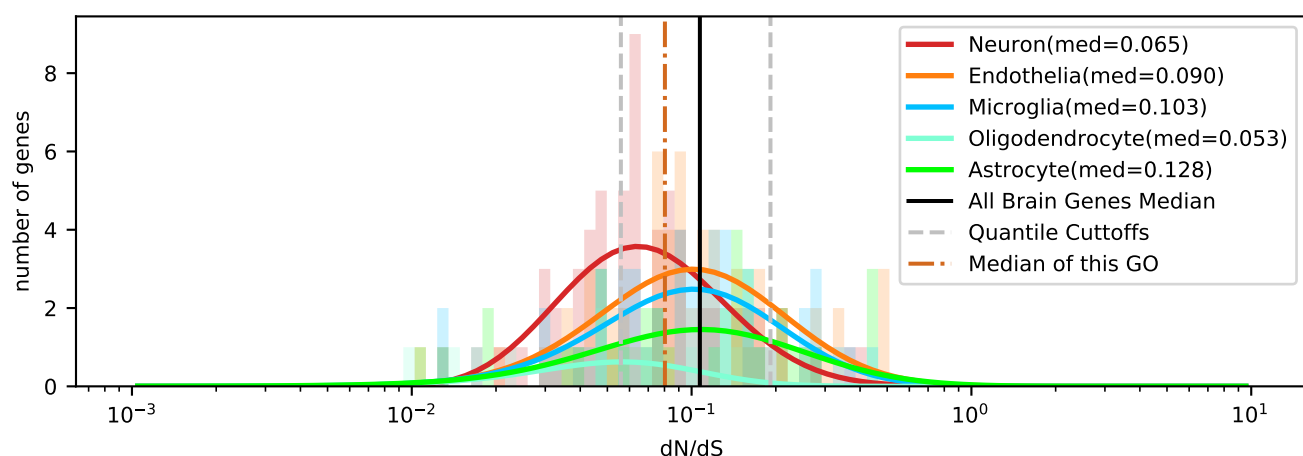


Five Celltypes Distribution of Average dN/dS Scores of Genes Related to circulatory system process



	< cutoff	other genes	Total
In Astrocyte	10 (10.11)	25 (24.89)	35
Not IN Astrocyte	55 (54.89)	135 (135.11)	190
Total	65	160	225

chi2: 0.025, p: 0.8745958376, OR: 0.98182

	> cutoff	other genes	Total
In Astrocyte	8 (5.13)	27 (29.87)	35
Not IN Astrocyte	25 (27.87)	165 (162.13)	190
Total	33	192	225

chi2: 1.514, p: 0.2184984264, OR: 1.95556

	< cutoff	other genes	Total
In Microglia	11 (14.73)	40 (36.27)	51
Not IN Microglia	54 (50.27)	120 (123.73)	174
Total	65	160	225

chi2: 1.290, p: 0.2559899062, OR: 0.61111

	> cutoff	other genes	Total
In Microglia	8 (7.48)	43 (43.52)	51
Not IN Microglia	25 (25.52)	149 (148.48)	174
Total	33	192	225

chi2: 0.000, p: 0.9928175821, OR: 1.10884

	< cutoff	other genes	Total
In Oligodendrocyte	6 (3.47)	6 (8.53)	12
Not IN Oligodendrocyte	59 (61.53)	154 (151.47)	213
Total	65	160	225

chi2: 1.772, p: 0.1831817427, OR: 2.61017

	> cutoff	other genes	Total
In Oligodendrocyte	0 (1.76)	12 (10.24)	12
Not IN Oligodendrocyte	33 (31.24)	180 (181.76)	213
Total	33	192	225

chi2: 1.117, p: 0.2906434088, OR: 0.00000

	< cutoff	other genes	Total
In Neuron	25 (18.78)	40 (46.22)	65
Not IN Neuron	40 (46.22)	120 (113.78)	160
Total	65	160	225

chi2: 3.448, p: 0.0633152582, OR: 1.87500

	> cutoff	other genes	Total
In Neuron	5 (9.53)	60 (55.47)	65
Not IN Neuron	28 (23.47)	132 (136.53)	160
Total	33	192	225

chi2: 2.812, p: 0.0935571492, OR: 0.39286

	< cutoff	other genes	Total
In Endothelia	13 (17.91)	49 (44.09)	62
Not IN Endothelia	52 (47.09)	111 (115.91)	163
Total	65	160	225

chi2: 2.109, p: 0.1464562035, OR: 0.56633

	> cutoff	other genes	Total
In Endothelia	12 (9.09)	50 (52.91)	62
Not IN Endothelia	21 (23.91)	142 (139.09)	163
Total	33	192	225

chi2: 1.030, p: 0.3100763643, OR: 1.62286