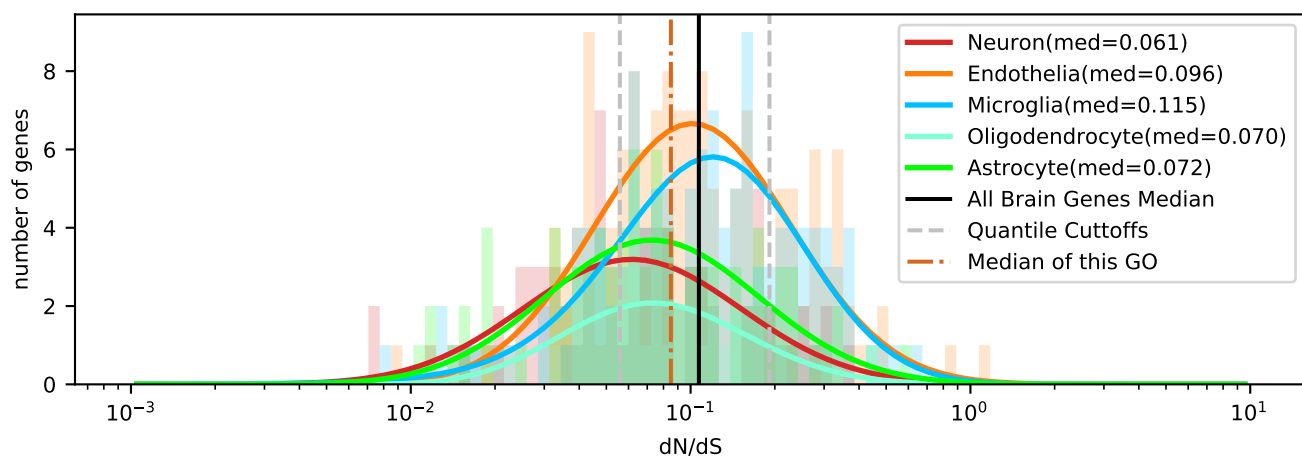


# Five Celltypes Distribution of Average dN/dS Scores of Genes Related to anatomical structure formation involved in morphogenesis



	< cutoff	other genes	Total
In Astrocyte	33 (25.83)	54 (61.17)	87
Not IN Astrocyte	108 (115.17)	280 (272.83)	388
Total	141	334	475

chi2: 3.004, p: 0.0830831009, OR: 1.58436

	> cutoff	other genes	Total
In Astrocyte	13 (17.22)	74 (69.78)	87
Not IN Astrocyte	81 (76.78)	307 (311.22)	388
Total	94	381	475

chi2: 1.225, p: 0.2684427077, OR: 0.66583

	< cutoff	other genes	Total
In Microglia	24 (36.81)	100 (87.19)	124
Not IN Microglia	117 (104.19)	234 (246.81)	351
Total	141	334	475

chi2: 7.921, p: 0.0048858777, OR: 0.48000

	> cutoff	other genes	Total
In Microglia	32 (24.54)	92 (99.46)	124
Not IN Microglia	62 (69.46)	289 (281.54)	351
Total	94	381	475

chi2: 3.332, p: 0.0679619428, OR: 1.62132

	< cutoff	other genes	Total
In Oligodendrocyte	15 (12.47)	27 (29.53)	42
Not IN Oligodendrocyte	126 (128.53)	307 (304.47)	433
Total	141	334	475

chi2: 0.517, p: 0.4721217326, OR: 1.35362

	> cutoff	other genes	Total
In Oligodendrocyte	3 (8.31)	39 (33.69)	42
Not IN Oligodendrocyte	91 (85.69)	342 (347.31)	433
Total	94	381	475

chi2: 3.809, p: 0.0509631773, OR: 0.28910

	< cutoff	other genes	Total
In Neuron	37 (22.86)	40 (54.14)	77
Not IN Neuron	104 (118.14)	294 (279.86)	398
Total	141	334	475

chi2: 13.822, p: 0.0002009679, OR: 2.61490

	> cutoff	other genes	Total
In Neuron	10 (15.24)	67 (61.76)	77
Not IN Neuron	84 (78.76)	314 (319.24)	398
Total	94	381	475

chi2: 2.192, p: 0.1387361361, OR: 0.55792

	< cutoff	other genes	Total
In Endothelia	32 (43.04)	113 (101.96)	145
Not IN Endothelia	109 (97.96)	221 (232.04)	330
Total	141	334	475

chi2: 5.286, p: 0.0215034271, OR: 0.57417

	> cutoff	other genes	Total
In Endothelia	36 (28.69)	109 (116.31)	145
Not IN Endothelia	58 (65.31)	272 (264.69)	330
Total	94	381	475

chi2: 2.896, p: 0.0887859349, OR: 1.54888