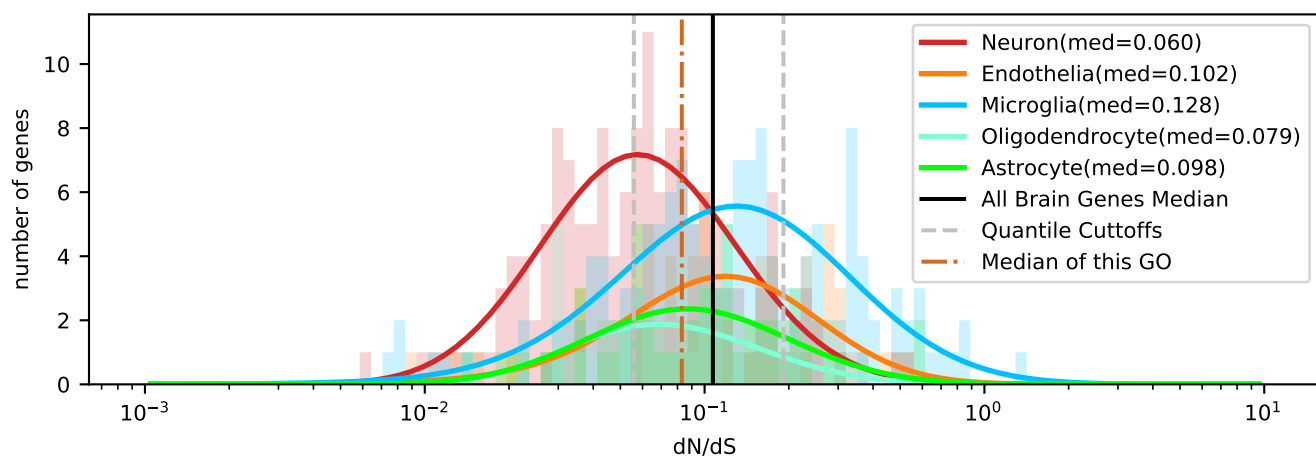


Five Celltypes Distribution of Average dN/dS Scores of Genes Related to vesicle-mediated transport



	< cutoff	other genes	Total
In Astrocyte	14 (16.10)	38 (35.90)	52
Not IN Astrocyte	129 (126.90)	281 (283.10)	410
Total	143	319	462

chi2: 0.258, p: 0.6114797543, OR: 0.80253

	> cutoff	other genes	Total
In Astrocyte	8 (10.35)	44 (41.65)	52
Not IN Astrocyte	84 (81.65)	326 (328.35)	410
Total	92	370	462

chi2: 0.468, p: 0.4941170410, OR: 0.70563

	< cutoff	other genes	Total
In Microglia	28 (44.57)	116 (99.43)	144
Not IN Microglia	115 (98.43)	203 (219.57)	318
Total	143	319	462

chi2: 12.193, p: 0.0004796341, OR: 0.42609

	> cutoff	other genes	Total
In Microglia	45 (28.68)	99 (115.32)	144
Not IN Microglia	47 (63.32)	271 (254.68)	318
Total	92	370	462

chi2: 15.842, p: 0.0000688486, OR: 2.62089

	< cutoff	other genes	Total
In Oligodendrocyte	15 (12.07)	24 (26.93)	39
Not IN Oligodendrocyte	128 (130.93)	295 (292.07)	423
Total	143	319	462

chi2: 0.773, p: 0.3793363938, OR: 1.44043

	> cutoff	other genes	Total
In Oligodendrocyte	7 (7.77)	32 (31.23)	39
Not IN Oligodendrocyte	85 (84.23)	338 (338.77)	423
Total	92	370	462

chi2: 0.012, p: 0.9111681482, OR: 0.86985

	< cutoff	other genes	Total
In Neuron	72 (47.67)	82 (106.33)	154
Not IN Neuron	71 (95.33)	237 (212.67)	308
Total	143	319	462

chi2: 25.888, p: 0.0000003618, OR: 2.93095

	> cutoff	other genes	Total
In Neuron	11 (30.67)	143 (123.33)	154
Not IN Neuron	81 (61.33)	227 (246.67)	308
Total	92	370	462

chi2: 22.437, p: 0.0000021719, OR: 0.21557

	< cutoff	other genes	Total
In Endothelia	14 (22.60)	59 (50.40)	73
Not IN Endothelia	129 (120.40)	260 (268.60)	389
Total	143	319	462

chi2: 4.989, p: 0.0255136048, OR: 0.47826

	> cutoff	other genes	Total
In Endothelia	21 (14.54)	52 (58.46)	73
Not IN Endothelia	71 (77.46)	318 (311.54)	389
Total	92	370	462

chi2: 3.628, p: 0.0568276342, OR: 1.80878