

## SUPPLEMENTARY MATERIAL

### Evaluation of gliovascular functions of Aqp4 readthrough isoforms

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**Supplemental Table 1: IF statistical summary**

	<b>AllX Het</b> (n = 2236, Mice = 5)	<b>AllX Hom</b> (n = 2177, Mice = 5)	<b>KO</b> (n = 1174, Mice = 5)	<b>NoX Het</b> (n = 1220, Mice = 5)	<b>NoX Hom</b> (n = 1274, Mice = 5)	<b>WT</b> (n = 2018, Mice = 5)	<b>Total</b> (n = 10099, Mice = 30)
<b>CD31</b>							
Mean (SD)	7560 (4730)	8490 (4960)	9900 (6410)	11000 (5800)	11500 (6510)	10900 (6210)	9600 (5860)
Median [Min, Max]	6450 [645, 32900]	7430 [827, 30100]	8210 [1100, 41400]	9970 [1370, 42600]	10700 [1090, 35200]	9680 [772, 42300]	8380 [645, 42600]
<b>AQP4</b>							
Mean (SD)	8810 (8380)	9660 (9400)	2280 (2710)	5060 (4790)	3140 (3440)	10100 (8950)	6950 (7810)
Median [Min, Max]	6170 [304, 54500]	6970 [78.9, 56900]	1270 [136, 18700]	3500 [358, 41400]	1600 [275, 27500]	7370 [349, 47900]	3940 [78.9, 56900]
Missing	465 (20.8%)	546 (25.1%)	0 (0%)	0 (0%)	0 (0%)	465 (23.0%)	1476 (14.6%)
<b>AQP4x</b>							
Mean (SD)	22100 (12900)	20800 (11800)	928 (445)	6440 (4620)	992 (357)	17300 (10100)	14000 (12700)
Median [Min, Max]	21900 [616, 61500]	20400 [600, 59700]	877 [223, 5760]	5840 [354, 25700]	964 [170, 5620]	16000 [90.3, 54600]	11400 [90.3, 61500]
Missing	1121 (50.1%)	1083 (49.7%)	624 (53.2%)	563 (46.1%)	637 (50.0%)	838 (41.5%)	4866 (48.2%)
<b>α-syn</b>							
Mean (SD)	8000 (4850)	6700 (4580)	2740 (1750)	3630 (1990)	2670 (1270)	3960 (2410)	4730 (3850)
Median [Min, Max]	6930 [710, 32700]	5530 [670, 31800]	2260 [487, 9530]	3180 [538, 13200]	2460 [506, 11200]	3520 [671, 16200]	3520 [487, 32700]
Missing	1520 (68.0%)	1596 (73.3%)	550 (46.8%)	657 (53.9%)	637 (50.0%)	1591 (78.8%)	6551 (64.9%)