

Supplementary Materials: The Increased Densities, but Different Distributions, of Both C3 and S100A10 Immunopositive Astrocyte-Like Cells in Alzheimer's Disease Brains Suggest Possible Roles for Both A1 and A2 Astrocytes in the Disease Pathogenesis

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Table S1. Details of antibodies used for immunoperoxidase analysis.

Antibody	Details	Supplier (Code)	Concentration
C3	Anti-C3d monoclonal rabbit	AbCam (ab 136916)	1:500
S100A10	Anti-S100A10 monoclonal mouse	Lifespan (LS-B3445)	1:500

Table S2. Details of antibodies used for immunofluorescence.

Antibody	Details	Supplier (Code)	Concentration
C3	Anti-C3d monoclonal rabbit	AbCam (ab136916)	1:200
S100A10	Anti-S100A10 monoclonal mouse	Lifespan (LS-B3445)	1:200
GFAP	Anti-GFAP polyclonal rabbit	DAKO (Z0334)	1:500
GFAP	Anti-GFAP monoclonal mouse	AbCam (ab4648)	1:1000

Table S3. Table showing details of the Control and Alzheimer’s disease cases in the study including the relative densities of C3 and S100A10 immunopositive astrocyte-like glial cells in different cerebral areas.

CASE	AGE	SEX	C3			S100A10			Other
			Cerebrum Frontal	Cerebrum Temporal	Hippo	Cerebrum Frontal	Cerebrum Temporal	Hippo	
C	BBN_4 193	51	F	Frontal upp cx +/- Low cx ++ wm +			Frontal cx - wm ++ (pv)		
C	BBN_1 5612	44	M	Frontal upp cx +/- Low cx +++ wm +++			Frontal cx - wm +/- (pv)	Some oedema	
C	BBN_1 7130	35	M	Frontal upp cx + Low cx + wm +++			Frontal upp cx +/- low cx +/- wm +/-		
C	BBN_1 6768	25	M		Temp upp cx +/- Low cx ++/+ wm +		Temp cx - wm +/-	Congen heart disease	
C	BBN_1 6507	33	F	Frontal upp cx +/- Low cx +++ wm +++			Frontal cx - wm + (pv)		

C	BBN_1 6906	40	M			Hippo CA4 +/-			Hippo CA4 +
C	BBN_2 1005	76	F	Frontal upp cx +/- Low cx +++ wm +++	Temp upp cx +/- Low cx + wm focal ++	Hippo CA4 +	Frontal cx - wm ++/+ (pv)	Temp upp cx + (pia) Low cx - wm ++/+	Hippo Ca4 +
C	BBN00 2.3263 3	81	F	Frontal upp cx + Low cx +++ wm +++	Temp Upp cx +/- low cx+++ wm +++ (diffuse plaques +)	Hippo CA4 ++	Frontal upp cx +/- (pia) Low cx +/- wm +(pv)	Temp upp cx +/- (pia) Low cx - wm + (pv)	Hippo CA4 +/-
C	BBN00 2.2835 0	74	M	Frontal upp cx +/- Low cx +++ wm +++	Temp upp cx - Low cx +++ wm +++	Hippo CA4 ++/+	Frontal cx - wm ++/+	Temp cx - wm +	Hippo Ca4 +

				C3			S100A10			Other
	CASE	AG E	SE X	Cerebrum Frontal	Cerebrum Temporal	Hippo	Cerebrum Frontal	Cerebrum Temporal	Hippo	
C	BBN00 2.3017 1	86	F	Frontal upp cx +/- Low cx +++ wm +++	Temp upp cx - Low cx +++ wm +++	Hippo CA4 +++/++	Frontal upp cx +/- (pia) Low cx - wm +	Temp cx - wm ++/+	Hippo Ca4 ++	
C	BBN00 2.2908 9	81	M	Frontal upp cx + Low Cx ++	Temp upp cx + Low cx +++ wm +++	Hippo CA4 ++	Frontal upp cx + (pia) Low cx -	Temp cx - wm +	Hippo CA4 ++	

				wm ++/+ (focal)			wm + (pv)				
C	BBN00 2.3284 4	81	F	Frontal upp cx +/- Low +++ Wm +++	Temp upp cx +/- Low cx +++ wm +++	Hippo CA4 ++	Frontal cx- wm ++/+ (pv)	Temp cx- wm ++/+(pv)	Hippo CA4 +/-		
C	BBN_2 2594	77	F		Temp upp cx ++/+ Low cx +++ wm +++			Temp cx - wm -			
C	BBN_1 6242	90	F	Frontal upp cx +/- Low cx +++ wm +++	Temp upp cx + Low cx +++ wm +++	Hippo CA4 N/A	Frontal cx - Frontal wm -	Temp cx - wm -	Hippo CA4 N/A		
C	BBN_1 6360	81	F	Frontal upp cx +/- Low cx + wm +	Temp upp cx +/- Low cx +/- wm ++ (focal)	Hippo CA4 +/-	Frontal upp cx +/- Low cx - wm + (pv)	Temp cx - Wm + (pv)	Hippo CA4 -	Sepsis	
C	BBN_1 6251	66	M	Frontal upp Cx +/- Low cx +++ wm +++/++	Temp upp cx +/- Low cx +++ wm +++	Hippo CA4 +	Frontal cx - wm +/- (pv)	Temp cx - Wm -	Hippo CA4 -		
C	BBN_1 6662	73	F	Frontal upp cx +	Temp upp cx ++/+	Hippo CA4 +	Frontal cx -	Temp upp cx +/-	Hippo CA4 -		

				C3			S100A10			Other
CASE	AGE	SEX	Cerebrum Frontal	Cerebrum Temporal	Hippo	Cerebrum Frontal	Cerebrum Temporal	Hippo		
C	BBN00 2.3088 2	77	F	Frontal upp cx - Low Cx + wm +	Temp upp cx - Low cx + wm ++/+	Hippo CA4 +	Frontal cx - Frontal wm + (pv)	Temp cx - Temp wm +(pv)	Hippo CA4 +/-	
C	BBN00 2.3284 4	81	F	Frontal upp Cx ++ Low Cx +++ wm +++	Temp upp cx + Low cx +++ wm +++	Hippo CA4 ++	Frontal upp cx +/- Low cx +/- wm + (pv)	Temp Cx - wm +/- (pv)	Hippo Ca4 +/-	COPD
C	BBN00 2.3281 7	97	F	Frontal upp cx +/- Low Cx + wm +/-	Temp upp cx - Low cx +/- wm - cx diff plaques +/-	Hippo CA4 +/- (diff plaques +/-)	Frontal upp Cx +/- Low cx +/- wm +/- cx diff plaques +/-	Temp upp cx - Low cx - wm +/- cx diff plaques +/-	Hippo CA4 -	
C	BBN00 2.3258 8	75	F	Frontal upp cx + Low cx ++ (focal) wm +++ (focal)	Temp upp cx - Low cx +++ wm +++	Hippo CA4 +	Frontal upp cx - Low cx - wm + (pv)	Temp upp cx - Low cx- wm +/- (pv)	Hippo CA4 +/-	

		78		Frontal upp cx -	Temp upp cx -		Frontal upp cx -	Temp upp cx -	
C	BBN00 2.3522 2		F	Low cx ++	Low cx +++ wm	Hippo CA4 ++	Low cx -	Low cx -	Hippo CA4 -
				wm +++/++	+++		wm +	wm +	

				C3			S100A10			Other
CASE	AG E	SE X		Cerebrum Frontal	Cerebrum Temporal	Hippo	Cerebrum Frontal	Cerebrum Temporal	Hippo	
AD VI +LB	BBN_2 4557	86	F	Frontal upp cx + Low cx + wm +/- cx plaques ++ tangles	Temp upp cx + Low cx + wm + cx plaques +++ tangles	Hippo CA4 + plaques +++ tangles	Frontal upp cx +++ Low cx +++ wm +++ /++ cx plaques +++ tangles	Temp upp cx +++ Low cx +++ wm +++ cx plaques +++ tangles	Hippo CA4 +++ plaques +++ tangles	
AD VI + LB	BBN_2 4199	83	M	Frontal upp cx ++ Low cx +++ wm +++ cx plaques ++ tangles	Temp upp cx +++ Low Cx +++ wm +++ cx plaques +++	Hippo CA4 +++/++ Plaques +++	Frontal upp cx +++/++ Low cx + wm + cx plaques +++/++ tangles	Temp upp cx +++/++ Low cx +++/++ wm ++ cx plaques ++ tangles	Hippo CA4 ++ Plaques +	

AD V	BBN_1 6230	80	F	Frontal upp cx +/- Low cx +/- wm + cx plaques +	Temp upp cx +/- Low cx +/- wm +/- cx plaques +	Hippo Ca4 + Plaques ++	Frontal upp cx + Low cx ++/+ wm ++/+ cx plaques ++/+	Temp upp cx +++/ Low cx +++/ wm + cx plaques +++/ ++	Hippo CA4 + Plaques ++
AD VI	BBN_9 824	71	F	Frontal upp cx ++ Low cx +++ wm +++ cx plaques +++	Temp upp cx + Low cx +/- wm + cx plaques +++	Hippo CA4 ++ plaques +++	Frontal upp cx ++ Low cx ++ Wm +++ cx plaques +++	Temp upp cx ++ Low cx ++ wm +++ cx plaques +++	Hippo CA4 ++ plaques +++
AD V	BBN_9 881	80	F	Frontal upp cx +++ Low cx + wm ++ cx plaques ++	Temp upp cx ++/+ Low cx + wm + cx plaques +++	Hippo CA4 + plaques +++	Frontal upp cx +++ Low cx ++ wm +++ cx plaques +++	Temp upp cx +++ Low cx ++ wm +++ cx plaques +++	Hippo CA4 +++ plaques +++
AD VI	BBN_9 846	92	F	Frontal upp cx ++ Low cx +++ wm +++ cx plaques +++	Temp upp cx +++ Low cx +++ wm +++ Cx plaques +	Hippo CA4 +++ Plaques ++	Frontal upp cx ++ Low Cx ++/+ wm ++ cx plaques +++	Temp upp cx ++ Low cx ++ wm ++ Cx plaques +++	Hippo CA4 +++ plaques +++

C3

S100A10

Other

	CASE	AG E	SE X	Cerebrum Frontal	Cerebrum Temporal	Hippo	Cerebrum Frontal	Cerebrum Temporal	Hippo
AD VI	BBN_9 898	80	M	Frontal upp cx ++/+ Low cx + wm + cx plaques +	Temp upp cx ++ Low cx + wm ++ cx plaques ++/+ tangles	Hippo CA4 + plaques +++	Frontal upp cx +++ Low cx ++/+ Wm ++/+ Cx plaques ++	Temp upp cx +++ Low cx +++ wm +++ cx plaques ++ tangles	Hippo CA4 +/- Plaques +++
AD VI	BBN00 2.3285 6	74	F	Frontal upp cx +++/ Low cx +++ wm ++ cx plaques +++	Temp upp cx ++ Low cx ++/+ wm +++ cx plaques +++	Hippo CA4 ++ Plaques ++	Frontal upp cx ++ low Cx ++ wm ++ cx plaques +++	Temp upp cx +++ low cx ++ wm ++ cx plaques +++ tangles	Hippo CA4 +++ plaques +++
AD VI	BBN00 232829	78	F	Frontal upp Cx ++ Low cx ++ wm + cx plaques +++	Temp upp cx ++ Low cx ++ wm, ++ cx plaques ++	Hippo CA4 +/- Plaques +	Frontal upp cx ++ Low cx ++ wm + (pv) cx plaques +++	Temp upp cx ++ Low cx ++ wm +++ (pv) cx plaques +++	Hippo CA4 + plaques +
AD VI	BBN32 545	75	F	Frontal upp cx +++ Low cx ++ wm +++ (focal) cx plaques +++	Temp upp cx ++ Low cx ++ wm ++ cx plaques +/-	Hippo CA4 ++/+ Plaques ++	Frontal upp cx +++ Low cx ++ wm ++ cx plaques +++	Temp upp cx ++ Low cx + wm ++ cx plaques ++	Hippo CA4 +++ plaques ++

AD	BBN00 2.3259 7	85	F	Frontal upp cx ++ Low cx ++/+ wm ++ cx plaques ++	Temp upp cx ++ Low cx + wm + cx plaques ++	Hippo CA4 ++ plaques ++	Frontal upp cx +++ Low cx ++ wm ++ cx plaques ++	Temp upp cx +++ Low cx ++/+ wm +++ cx plaques +++	Hippo CA4 ++ Plaques ++
AD	BBN00 2.3376 8	92	F	Frontal upp cx ++ Low cx ++ (focal) wm +++ cx plaques ++	Temp upp Cx + Low Cx ++ wm ++/+ cx plaques +/-	Hippo CA4 N/A	Frontal upp cx +++ Low cx +++/++ wm +++ cx plaques ++	Temp upp cx ++ Low cx ++ wm +++ Cx plaques ++	Hippo CA4 N/A

AD - Alzheimer's disease (followed by modified Braak (BNE) stage), C-Control, Congen-congenital, COPD-chronic obstructive pulmonary disease, cx-cortex, diff-diffuse, Hippo-Hippocampus, LB-Lewy Bodies , pia-astroctye(s) only seen in direct vicinity of pia, pv-perivascular only, temp-temoral, upp-upper, wm-white matter. Scores refer to density of astrocyte-like cells in particular areas unless specified otherwise: - negative, +/- only very infrequent, + infrequent, ++ moderate numbers/moderate density, +++ large numbers/high density.

Table S4. C3 immunopositive astrocyte-like cell counts in frontal upper and lower cortex and white matter.

C3	Controls	AD	Controls	AD	Controls	AD					
Upper Cx			Lower Cx		Frontal wm						
BBN00232633	BBN00233768	BBN00232633	BBN00233768	BBN00232633	BBN00233768						
1	10	31	4	53	28						
1	6	32	4	74	44						
2	14	26	3	60	30						
5	10	29	5	63	34						
6	8	24	6	51	32						
3	9	33	7	57	24						
5	5	33	14	50	25						
5	7	20	17	49	32						
4	8	26	13	42	22						
8	9	27	15	35	14						
BBN00232588	4	BBN00232597	2	BBN00232588	6	BBN00232597	3	BBN00232588	39	BBN00232597	4

	2		2		0		4		32		12
	3		3		4		4		67		11
	2		1		7		2		42		13
	0		8		0		2		30		8
	1		3		6		5		28		5
	0		2		6		7		31		9
	0		5		6		1		24		2
	0		4		9		3		13		2
	2		3		11		1		19		9
BBN0023522	1	BBN32545	12	BBN0023522	5	BBN32545	4	BBN0023522	37	BBN32545	6
	0		5		16		2		32		20
	0		5		11		6		47		20
	1		4		9		3		22		15
	0		5		13		2		39		12
	1		4		13		1		33		22
	1		5		7		4		40		2
	0		3		11		5		23		19
	1		3		4		2		25		9
	0		4		21		4		20		2
BBN00232588	2	BBN00232856	2	BBN00232588	4	BBN00232856	19	BBN00232588	2	BBN00232856	34
	1		10		4		18		6		13
	2		4		5		19		5		14
	2		13		8		17		3		16
	2		14		4		13		3		16
	3		7		9		10		3		12
	2		14		4		19		2		13
	1		5		5		16		0		14
	2		14		7		21		2		13
	2		5		5		18		0		15
BBN00230882	0	BBN16230	16	BBN00230882	3	BBN16230	5	BBN00230882	5	BBN16230	4
	0		6		2		5		3		2
	1		7		4		8		6		7
	0		8		8		3		6		13
	0		8		5		4		3		9
	0		5		3		3		7		2
	0		10		2		2		2		2

	1		5		2		2		3		3
	1		5		1		2		3		3
	0		8		2		1		8		6
BBN16662	1	BBN9846	7	BBN16662	13	BBN9846	17	BBN16662	19	BBN9846	68
	1		7		14		27		16		89
	0		4		14		16		14		64
	1		2		8		16		17		67
	1		3		12		25		8		92
	2		4		14		17		25		73
	2		3		19		21		20		79
	2		4		16		18		14		67
	3		1		19		13		16		58
	4		1		16		17		12		55
BBN16251	3	BBN9824	4	BBN16251	5	BBN9824	25	BBN16251	13	BBN9824	65
	0		4		5		21		10		35
	3		5		5		33		9		64
	0		4		6		28		11		40
	1		8		11		30		15		16
	1		4		5		19		15		15
	2		9		5		23		10		16
	1		9		9		28		3		26
	0		4		3		29		5		33
	1		8		6		20		10		26
BBN16242	0	BBN9898	6	BBN16242	30	BBN9898	4	BBN16242	36	BBN9898	16
	1		8		32		5		53		26
	0		4		21		9		56		7
	0		6		16		2		39		11
	0		3		16		7		47		9
	1		2		20		6		53		9
	3		5		19		10		41		12
	0		6		16		8		36		9
	2		10		11		8		48		3
	1		6		20		9		37		8
SD	1.590916		3.393124		8.996123		8.673755		19.43567		22.42817
Mean	1.475		6.075		11.7375		10.8625		24.4625		23.2
SEM	0.17787		0.379363		1.005797		0.969755		2.172974		2.507546

H=84.02	H=0.852	H=0.475
P<0.001	P=0.3559	P=0.4906

Table S5. S100A10 immunopositive astrocyte like cell counts in frontal upper and lower cortex and white matter.

S100A10	Control s	AD	Controls	AD	control s	AD
Upper cx			Low Cx		Front wm	
	BBN00232633	BBN00233768	BBN00232633	BBN00233768	BBN00232633	BBN00233768
	0	6	0	5	1	17
	0	4	0	3	0	15
	0	4	0	5	0	15
	0	1	0	5	0	11
	0	5	0	7	1	18
	0	9	0	1	0	12
	0	5	0	2	1	11
	0	5	0	6	0	12
	1	3	0	6	0	9
	0	2	0	1	0	13
BBN0023258	BBN0023259		BBN0023258	BBN0023259	BBN0023258	BBN0023259
8	0	7	7	8	0	7
	0	3	1	1	0	7
	0	3	0	0	0	12
	0	3	0	0	1	11
	0	4	0	0	0	15
	0	6	1	2	0	10
	0	3	0	3	1	17
	0	6	0	1	0	10

	0		3		0		2		0		6
	0		1		1		4		0		2
BBN0023522	0	BBN32545	20	BBN0023522	0	BBN32545	3	BBN0023522	1	BBN32545	1
	0		9		0		3		0		2
	0		7		0		0		1		1
	0		7		0		3		0		1
	0		9		0		3		0		5
	0		7		0		1		0		2
	0		8		0		2		0		3
	0		6		0		4		2		2
	0		4		0		2		0		2
	0		8		0		0		0		2
BBN0023258	1	BBN0023285	2	BBN0023258	2	BBN0023285	3	BBN0023258	1	BBN0023285	6
8		6		8		6		8		6	
	0		4		1		3		3		4
	0		0		0		2		0		6
	0		2		0		2		0		7
	0		1		0		3		0		4
	0		2		0		2		1		4
	1		2		1		2		0		6
	0		1		0		0		2		13
	0		6		1		1		0		3
	1		4		0		2		0		5
BBN0023088	0	BBN16230	3	BBN0023088	0	BBN16230	6	BBN0023088	0	BBN16230	8
2				2				2			
	0		2		0		4		0		11
	1		2		0		4		0		7

0	3	0	9	0	9						
0	3	0	10	0	5						
0	0	0	7	1	7						
0	4	0	13	0	20						
0	2	1	2	1	16						
0	2	0	3	2	11						
0	3	0	1	1	16						
BBN16662	0	BBN9846	3	BBN16662	0	BBN9846	1	BBN16662	0	BBN9846	5
0	1	0	2	0	7						
0	1	0	1	0	7						
0	1	0	1	0	5						
0	3	0	2	2	4						
0	1	0	3	0	5						
0	4	0	3	0	3						
0	15	0	1	0	8						
0	4	0	4	0	7						
0	9	0	1	0	5						
BBN16251	0	BBN9824	8	BBN16251	0	BBN9824	3	BBN16251	1	BBN9824	9
0	5	0	0	0	10						
0	3	0	4	1	6						
0	1	0	6	0	9						
0	4	0	4	0	13						
0	6	0	1	0	9						
0	1	0	2	1	7						
0	7	0	1	0	6						
0	2	0	1	0	5						
0	5	0	1	0	6						

BBN16242	0	BBN9898	9	BBN16242	0	BBN9898	3	BBN16242	0	BBN9898	3
	0		7		0		3		0		4
	0		5		0		5		0		3
	1		7		0		3		0		1
	0		10		0		1		0		3
	0		2		0		1		0		4
	0		16		0		3		0		2
	1		10		0		3		0		0
	0		4		0		3		0		3
	0		2		0		2		0		4
SD	0.284349		3.57239		0.35556		2.31721		0.63195		4.68224
			8		2				5		5
Mean	0.0875		4.65		0.1125		2.8125		0.325		7.275
SEM	0.031791		0.39940		0.03975		0.25907		0.07065		0.52349
			6		3		2		5		1
			H=110.335				H=16.202				H=91.5
			P<0.001				P<0.001				P<0.001

Table S6. AD cases - Comparison of C3 and S100 astrocyte-like cell counts in upper and lower frontal cortex and white matter.

Upper cx	AD	AD	lower cx	AD	AD	Frontal wm	AD	AD
S100A10	C3		S100A10	C3		S100A10	C3	
BBN00233768	BBN00233768		BBN00233768	BBN00233768		BBN00233768	BBN00233768	
6		10		5		4		17
4		6		3		4		15
4		14		5		3		15
1		10		5		5		11
5		8		7		6		18
								28
								44
								30
								34
								32

	9		9		1		7		12		24
	5		5		2		14		11		25
	5		7		6		17		12		32
	3		8		6		13		9		22
	2		9		1		15		13		14
BBN00232597	7	BBN00232597	2	BBN00232597	2	BBN00232597	3	BBN00232597	7	BBN00232597	4
	3		2		1		4		7		12
	3		3		0		4		12		11
	3		1		0		2		11		13
	4		8		0		2		15		8
	6		3		2		5		10		5
	3		2		3		7		17		9
	6		5		1		1		10		2
	3		4		2		3		6		2
	1		3		4		1		2		9
BBN32545	20	BBN32545	12	BBN32545	3	BBN32545	4	BBN32545	1	BBN32545	6
	9		5		3		2		2		20
	7		5		0		6		1		20
	7		4		3		3		1		15
	9		5		3		2		5		12
	7		4		1		1		2		22
	8		5		2		4		3		2
	6		3		4		5		2		19
	4		3		2		2		2		9
	8		4		0		4		2		2
BBN00232856	2	BBN00232856	2	BBN00232856	3	BBN00232856	19	BBN00232856	6	BBN00232856	34
	4		10		3		18		4		13

0	4	2	19	6	14						
2	13	2	17	7	16						
1	14	3	13	4	16						
2	7	2	10	4	12						
2	14	2	19	6	13						
1	5	0	16	13	14						
6	14	1	21	3	13						
4	5	2	18	5	15						
BBN16230	3	BBN16230	16	BBN16230	6	BBN16230	5	BBN16230	8	BBN16230	4
2	6	4	5	11	2						
2	7	4	8	7	7						
3	8	9	3	9	13						
3	8	10	4	5	9						
0	5	7	3	7	2						
4	10	13	2	20	2						
2	5	2	2	16	3						
2	5	3	2	11	3						
3	8	1	1	16	6						
BBN9846	3	BBN9846	7	BBN9846	1	BBN9846	17	BBN9846	5	BBN9846	68
1	7	2	27	7	89						
1	4	1	16	7	64						
1	2	1	16	5	67						
3	3	2	25	4	92						
1	4	3	17	5	73						
4	3	3	21	3	79						
15	4	1	18	8	67						
4	1	4	13	7	58						

	9		1		1		17		5		55
BBN9824	8	BBN9824	4	BBN9824	3	BBN9824	25	BBN9824	9	BBN9824	65
	5		4		0		21		10		35
	3		5		4		33		6		64
	1		4		6		28		9		40
	4		8		4		30		13		16
	6		4		1		19		9		15
	1		9		2		23		7		16
	7		9		1		28		6		26
	2		4		1		29		5		33
	5		8		1		20		6		26
BBN9898	9	BBN9898	6	BBN9898	3	BBN9898	4	BBN9898	3	BBN9898	16
	7		8		3		5		4		26
	5		4		5		9		3		7
	7		6		3		2		1		11
	10		3		1		7		3		9
	2		2		1		6		4		9
	16		5		3		10		2		12
	10		6		3		8		0		9
	4		10		3		8		3		3
	2		6		2		9		4		8
sd	3.572398		3.393124		2.31721		8.673755		4.682245		22.42817
Mean	4.65		6.075		2.8125		10.8625		7.275		23.2
SEM	0.399406		0.379363		0.259072		0.969755		0.523491		2.507546
		H=9.804				H=50288				H=34.956	
		P=0.0017				P<0.001				P<0.001	

Table S7. Controls- Comparison of C3 and S100 astrocyte-like cell counts in upper and lower frontal cortex and white matter.

S100A10	Controls	C3	S100A1 0	Controls	C3	S100A10	contro ls	C3			
Upper cx			Lower Cx			Frontal wm					
BBN00232633		BBN00232633		BBN00232633		BBN00232633		BBN00232633			
0		1		0		31		53			
0		1		0		32		74			
0		2		0		26		60			
0		5		0		29		63			
0		6		0		24		51			
0		3		0		33		57			
0		5		0		33		50			
0		5		0		20		49			
1		4		0		26		42			
0		8		0		27		35			
BBN00232 588	0	BBN00 232588	4	BBN00232 588	0	BBN00232 588	6	BBN00232 588	0	BBN00 232588	39
0		2		1		0		32			
0		3		0		4		67			
0		2		0		7		42			
0		0		0		0		30			
0		1		1		6		28			
0		0		0		6		31			
0		0		0		6		24			
0		0		0		9		13			
0		2		1		11		19			
BBN00235 22	0	BBN00 23522	1	BBN00235 22	0	BBN00235 22	5	BBN00235 22	1	BBN00 23522	37
0		0		0		16		32			
0		0		0		11		47			
0		1		0		9		22			
0		0		0		13		39			
0		1		0		13		33			
0		1		0		7		40			
0		0		0		11		23			
0		1		0		4		25			
0		0		0		21		20			

BBN00232 588	1	BBN00 232588	2	BBN00232 588	2	BBN00232 588	4	BBN00232 588	1	BBN00 232588	2
	0		1		1		4		3		6
	0		2		0		5		0		5
	0		2		0		8		0		3
	0		2		0		4		0		3
	0		3		0		9		1		3
	1		2		1		4		0		2
	0		1		0		5		2		0
	0		2		1		7		0		2
	1		2		0		5		0		0
BBN00230 882	0	BBN00 230882	0	BBN00230 882	0	BBN00230 882	3	BBN00230 882	0	BBN00 230882	5
	0		0		0		2		0		3
	1		1		0		4		0		6
	0		0		0		8		0		6
	0		0		0		5		0		3
	0		0		0		3		1		7
	0		0		0		2		0		2
	0		1		1		2		1		3
	0		1		0		1		2		3
	0		0		0		2		1		8
BBN16662	0	BBN16 662	1	BBN16662	0	BBN16662	13	BBN16662	0	BBN16 662	19
	0		1		0		14		0		16
	0		0		0		14		0		14
	0		1		0		8		0		17
	0		1		0		12		2		8
	0		2		0		14		0		25
	0		2		0		19		0		20
	0		2		0		16		0		14
	0		3		0		19		0		16
	0		4		0		16		0		12
BBN16251	0	BBN16 251	3	BBN16251	0	BBN16251	5	BBN16251	1	BBN16 251	13
	0		0		0		5		0		10
	0		3		0		5		1		9

0	0	0	6	0	11						
0	1	0	11	0	15						
0	1	0	5	0	15						
0	2	0	5	1	10						
0	1	0	9	0	3						
0	0	0	3	0	5						
0	1	0	6	0	10						
BBN16242	0	BBN16242	0	BBN16242	30	BBN16242	0	BBN16242	0	BBN16242	36
0	1	0	32	0	53						
0	0	0	21	0	56						
1	0	0	16	0	39						
0	0	0	16	0	47						
0	1	0	20	0	53						
0	3	0	19	0	41						
1	0	0	16	0	36						
0	2	0	11	0	48						
0	1	0	20	0	37						
SD	0.284349	1.5909	0.3555	8.99612	0.6319	19.43567					
		16	62	3	55						
Mean	0.0875	1.475	0.1125	11.7375	0.325	24.4625					
SEM	0.031791	0.1778	0.0397	1.00579	0.0706	2.172974					
		7	53	7	55						
	H=			H=112.315		H=110.765					
	47.921										
	P<0.001			P<0.001		P<0.001					
						1					

