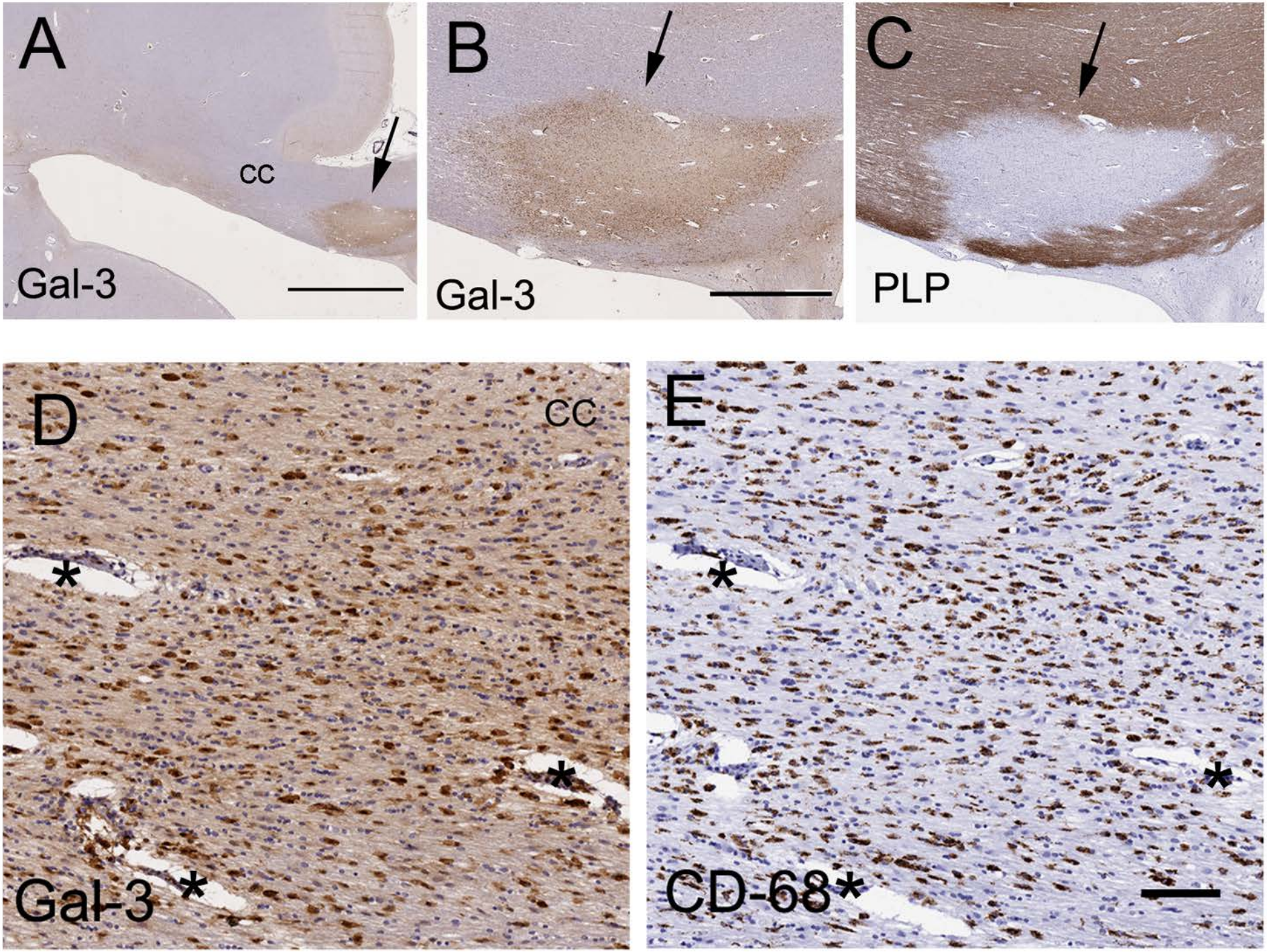
Supplementary Table 2. Fold changes in gene expression by RT-PCR array in SVZ tissue and asytocyte cultures after TMEV infection. Values are for averaged triplicate samples. Table shows genes present on SABiosciences RT-PCR PAMM-077. Gene changes shown are TMEV stimulated over control. Values for genes with greater than 4-fold changes are shown in bold.

Gene Name	Gene symbol	Differential expression (fold) : TMEV/Control			
		B6 +/+	B6 -/-	SJL +/+	SVZ astrocytes
B-cell leukaemina/Lymphoma 6	Bcl6	1.1	1.2	1.1	1.8
Complement component 3	C3	**66.8**	**82.3**	**4.2**	0.7
Complement component 3a receptor 1	C3ar1	**13.1**	**7.2**	**5.7**	**43.1**
Complement component 4B	C4b	**11.3**	**12.3**	**4.9**	0.7
Chemokine (C-C) motif ligand 1	Ccl1	**11.8**	3.1	2.9	0.6
Chemokine (C-C) motif ligand 11	Ccl11	**20.4**	2.9	1.1	0.6
Chemokine (C-C) motif ligand 12	Ccl12	**63.9**	**45.1**	**45.5**	**349**
Chemokine (C-C) motif ligand 17	Ccl17	2.4	2.1	0.9	2.8
Chemokine (C-C) motif ligand 19	Ccl19	**8.6**	**12.8**	3.4	1.6
Chemokine (C-C) motif ligand 2	Ccl2	**277.6**	**187.9**	**43.5**	**4.6**
Chemokine (C-C) motif ligand 20	Ccl20	1.6	1.3	1.1	1.6
Chemokine (C-C) motif ligand 22	Ccl22	**14.1**	**13.7**	**2.2**	0.6
Chemokine (C-C) motif ligand 24	Ccl24	1.1	1.3	1.5	0.6
Chemokine (C-C) motif ligand 25	Ccl25	0.8	0.7	1.0	0.9
Chemokine (C-C) motif ligand 3	Ccl3	**6.9**	**5.7**	3.6	**32.9**
Chemokine (C-C) motif ligand 4	Ccl4	**5.8**	**5.9**	2.3	**81**
Chemokine (C-C) motif ligand 5	Ccl5	**257.8**	**376.8**	**639.4**	**37.3**
Chemokine (C-C) motif ligand 7	Ccl7	**354.3**	**142.8**	**99.5**	**13.4**
Chemokine (C-C) motif ligand 8	Ccl8	**29.2**	**65.2**	**148.8**	**26.8**
Chemokine (C-C)motif receptor 1	Ccr1	**6.9**	**8.4**	2.3	**31.1**
Chemokine (C-C)motif receptor 2	Ccr2	**17.3**	**34.3**	**6.3**	1.2
Chemokine (C-C)motif receptor 3	Ccr3	**6.4**	**10.4**	3.0	2.9
Chemokine (C-C)motif receptor 4	Ccr4	**4.0**	3.2	2.0	0.6
Chemokine (C-C)motif receptor 7	Ccr7	**4.2**	1.5	1.6	0.6
CD14 antigen	Cd40	**16.7**	**7.4**	**5.2**	**12.4**
CD40 antigen	Cd40lg	**10.8**	3.8	**12.1**	0.6
CD40 ligand	Cebpb	**4.9**	2.4	2.0	1.3
CCAAAT/enchancer binding protein, beta	Crp	1.6	1.3	1.1	0.6
C-reactive protein	Csf1	2.8	**4.1**	1.4	3.8
Colony stimulating factor 1 (macrophage)	Cxcl1	**6.0**	2.0	1.1	**5.6**
Chemokine (C-X-C motif) ligand 1	Cxcl10	**798.0**	**389.9**	**70.9**	**139.1**
Chemokine (C-X-C motif) ligand 11	Cxcl11	**46.8**	**26.8**	**61.3**	**17.7**
Chemokine (C-X-C motif) ligand 2	Cxcl2	3.3	2.2	1.2	**22.3**
Chemokine (C-X-C motif) ligand 3	Cxcl3	1.6	1.3	1.1	**12.6**
Chemokine (C-X-C motif) ligand 5	Cxcl5	1.5	0.4	1.6	**118.6**
Chemokine (C-X-C motif) ligand 6	Cxcl9	**626.0**	**470.3**	**254.8**	**11**
Chemokine (C-X-C motif) ligand receptor 4	Cxcr4	1.7	1.6	1.8	0.3
Fas ligand (TNF superfamily, member 6)	Fasl	**39.8**	**13.9**	**7.1**	0.5
Fms-related tyrosine kinase 3 ligand	Flt3l	3.6	3.1	3.1	2.6
FBJ osteosarcoma oncogene	Fos	1.6	0.9	1.3	2.3
Histone deactylase 4	Hdac4	0.7	1.8	0.7	0.9
Interferon gamma	Ifng	**25.8**	**19.4**	**6.4**	0.6

Gene Name	Gene symbol	Differential expression (fold) : TMEV/Control			
		B6 +/+	B6 -/-	SJL +/+	SVZ astrocytes
Interleukin 10	Il10	**5.8**	**5.2**	**13.9**	3.4
Interleukin 10 receptor beta	Il10rb	2.2	3.4	1.4	1.8
Interleukin 8	Il18	0.8	1.7	1.0	0.6
Interleukin 8 receptor accessory protein	Il18rap	**12.3**	**13.8**	2.5	**5.2**
Interleukin 1 alpha	Il1a	**4.4**	**8.6**	**4.7**	**12.9**
Interleukin 1 beta	Il1b	**30.7**	**31.7**	**8.3**	**4.6**
Interleukin	Il1f10	1.6	1.3	1.1	0.6
Interleukin 1 receptor, type I	Il1r1	1.7	1.2	1.0	1.7
Interleukin 1 receptor accessory protein	Il1rap	0.9	1.0	0.7	0.3
Interleukin 1 receptor antagonist	Il1rn	3.7	3.0	2.0	**8.3**
Interleukin 22	Il22	1.6	1.3	1.1	0.6
Interleukin 22 receptor accessory protein	Il22ra2	1.6	1.3	1.1	0.6
Interleukin 23, alpha subuni p19	Il23a	1.6	1.3	1.1	0.6
Interleukin 23 receptor	Il23r	1.6	1.3	1.1	0.8
Interleukin 6	Il6	3.9	2.2	2.3	**73**
Interleukin 6 receptor, alpha	Il6ra	1.9	2.3	1.0	0.2
Interleukin 7	Il7	1.7	1.3	1.1	2.3
Interleukin 8 receptor alpha	Il8ra	1.6	1.3	1.1	0.6
Interleukin 8 receptor beta	Il8rb	1.6	1.3	1.1	0.6
Interleukin 9	Il9	1.4	1.4	1.1	0.6
Integrin beta 2	Itgb2	**8.0**	**6.4**	**6.3**	**29.6**
Kininogen 1	Kng1	1.6	1.3	1.1	0.9
Lymphotaxin A	Lta	1.7	2.1	2.1	0.6
Lymphotaxin B	Ltb	**15.1**	**13.9**	**8.0**	1.6
Lymphocyte antigen 96	Ly96	3.7	4.1	1.7	1.6
Myeloid differentiation primary response gene 88	Myd88	3.9	2.6	2.0	1.7
Nuclear factor of activated T-cells	Nfatc3	0.9	2.7	1.4	1.5
Nuclear factor of k polypeptide gene enhancer in B-cells, p105	Nfkb1	1.6	2.5	2.1	2.1
Nitric oxide synthase 2, inducible	Nos2	2.5	0.9	0.5	0.4
Nuclear receptor subfamily 3, group C, member 1	Nr3c1	0.7	1.6	0.9	0.7
Receptor (TNFRSF)-interacting serine-threonine kinase 2	Ripk2	1.0	2.0	1.5	**6.3**
Toll-interleukin 1 receptor domain-containing adaptor protein	Tirap	1.7	1.2	1.5	1.3
Toll-like receptor 1	Tlr1	**5.1**	**9.3**	2.6	0.7
Toll-like receptor 2	Tlr2	**13.6**	**19.6**	**8.6**	**7.6**
Toll-like receptor 3	Tlr3	2.2	3.7	1.2	1.5
Toll-like receptor 4	Tlr4	3.1	3.9	1.5	1.5
Toll-like receptor 5	Tlr5	1.0	1.5	1.0	**5.1**
Toll-like receptor 6	Tlr6	2.4	5.2	2.0	1.9
Toll-like receptor 7	Tlr7	3.3	5.1	3.2	**24.4**

Gene Name	Gene symbol	Differential expression (fold) : TMEV/Control			
		B6 +/+	B6 -/-	SJL +/+	SVZ astrocytes
Tnf	**21.1**	**17.5**	**6.1**	**6.13**	**11.8**
Tnfsf14	**11.3**	**10.7**	**4.4**	**4.4**	0.5
Tollip	0.7	1.7	0.9	0.87	1.9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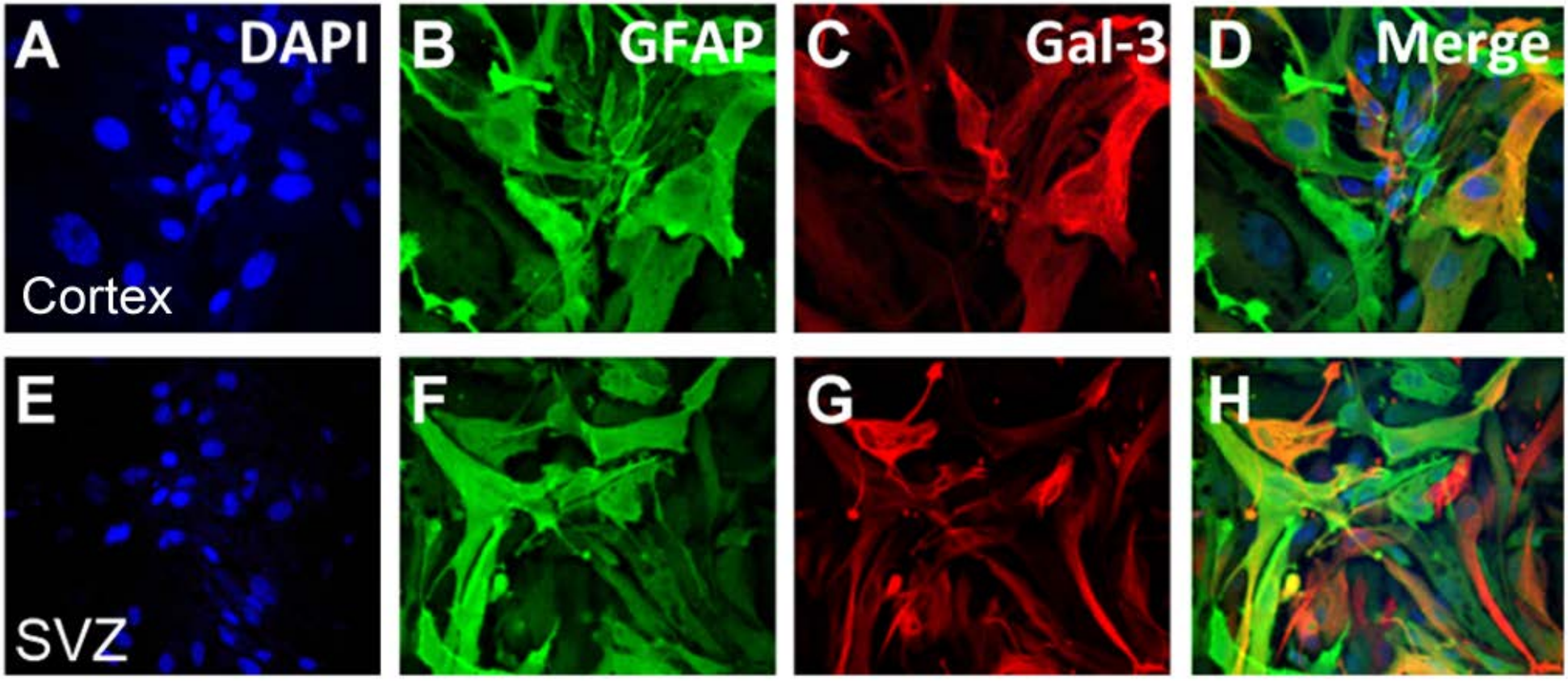
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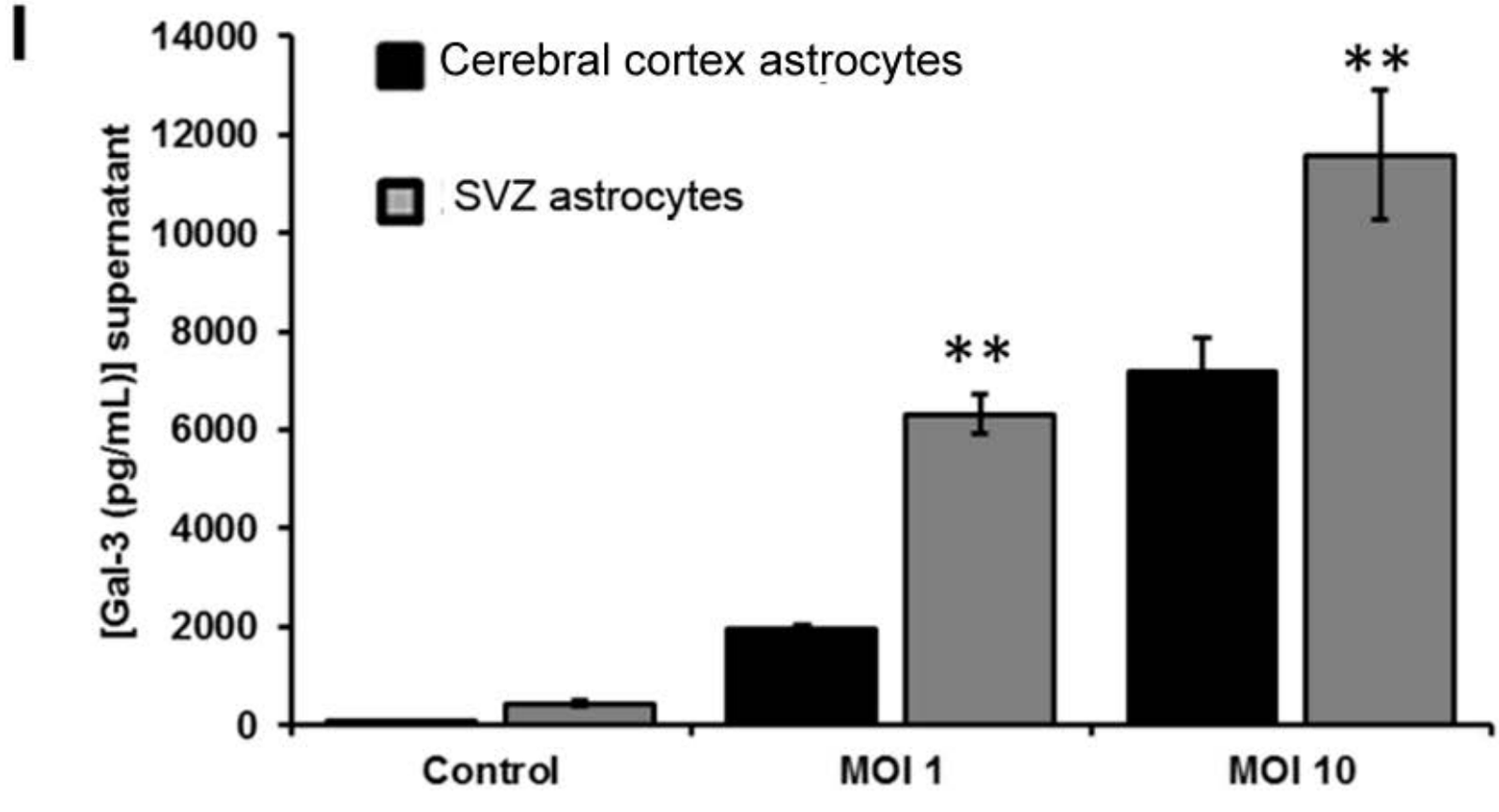
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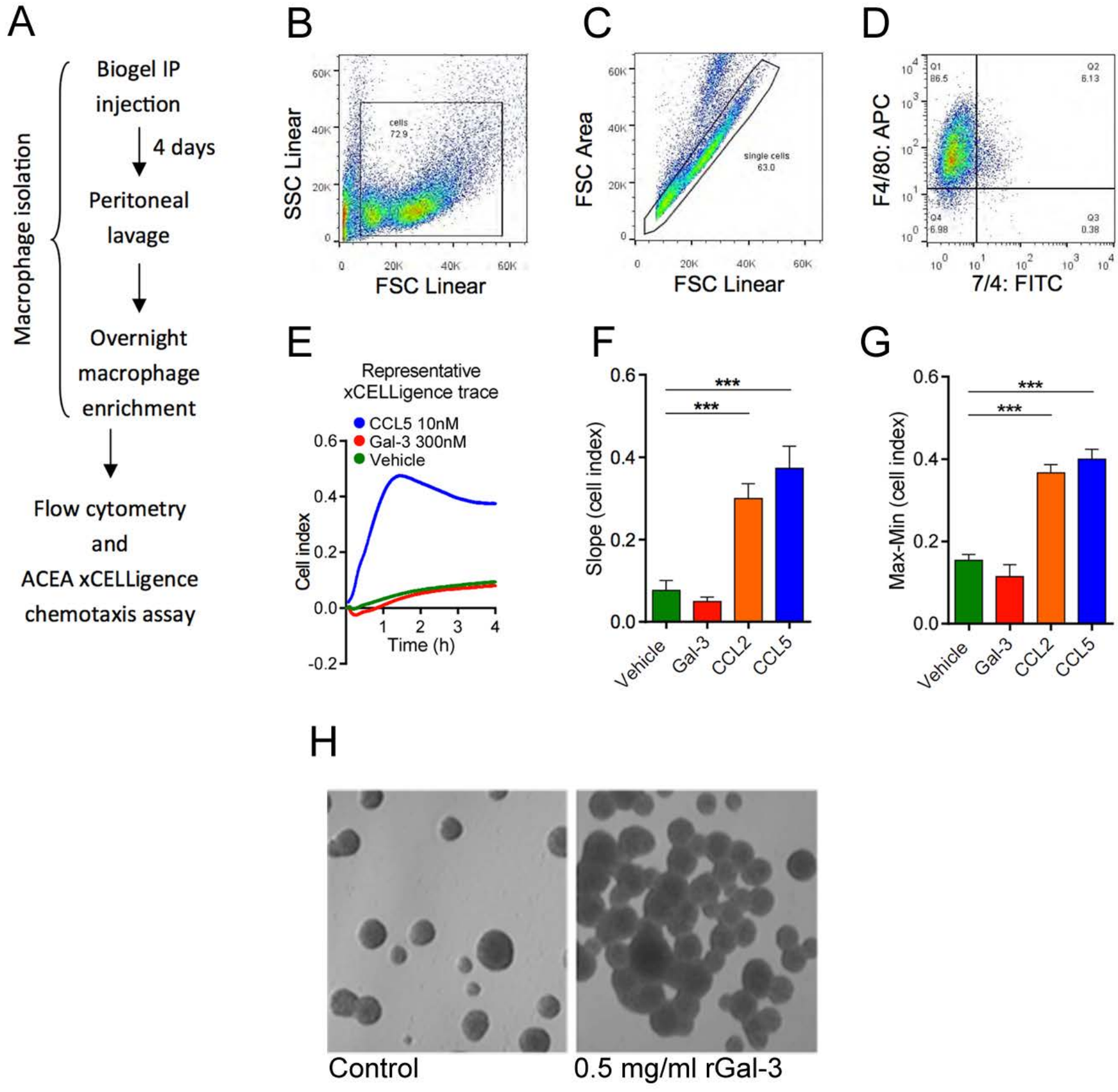
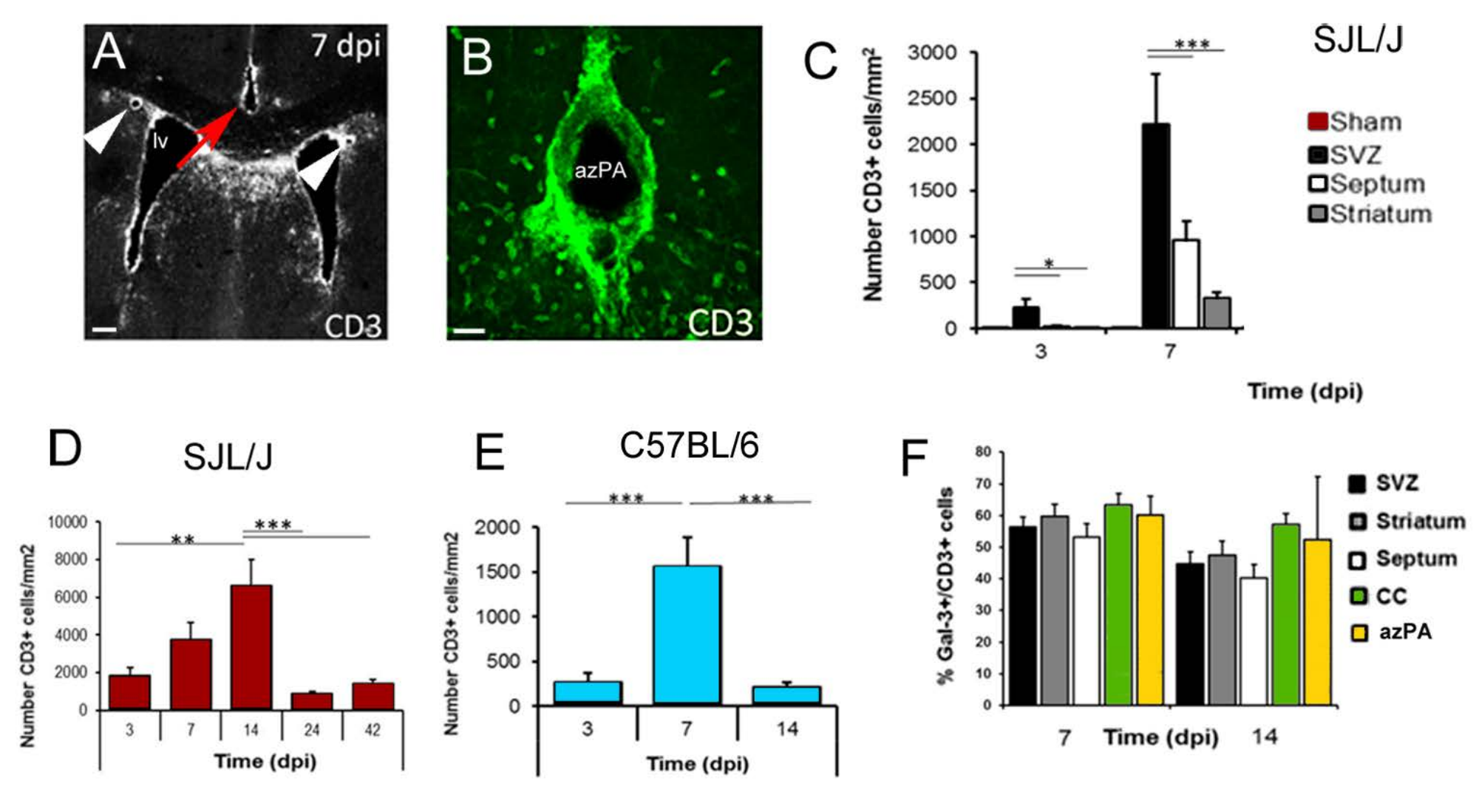
Macrophage Chemotaxis Assay

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