

**Supplemental Table 1.** Primary antibodies used for immunohistochemistry analyses.

Markers	Labeled structures	Manufacturer	Dilution
ED1	Resident, activated microglia and blood vessels	Vector, Burlingame, CA, USA	1/1000
GFAP	Astrocytes	Sigma Biosciences, St Louis, MO, USA	1/1000
Ki67	Proliferating cells	BD Biosciences France, Le-Pont- De-Claix, France	1/100
Olig2	oligodendroglial lineage	IBL, Hamburg, Germany	1/200
APC	post-mitotic oligodendrocytes	Calbiochem, La Jolla, CA, USA	1/500
MBP	Myelinated fibers	Sigma Biosciences, St Louis, MO USA	1/1000

Supplemental Table 2: Overview of applied primers for real time-PCR.

Primers	Primers name	Primers' sequences
GAPDH	GAPDH_mouse_F	GGC CTT CCG TGT TCC TAC
	GAPDH_mouse_R	TGT CAT CAT ATC TGG CAG GTT
BDNF	BDNF-rat-F	GAC AAG GCA ACT TGG CCT AC
	BDNF-rat-R	CTG TCA CAC ACG CTC AGC TC
NT3	Ntf3_rat_F	CGA GAC TGA ATG ACC GAA CTC
	Ntf3_rat_R	ACC TGT AAG ATC GTG GCA GAA
VEGF-A	vegf-1+	CAG GCT GCT GTA ACG ATG AAG
	vegf-2-	CTG GCT TTG GTG AGG TTT GAT
VEGF-R2	VEGFR2_rattus-F	TTT GGA AGG TTG CTT GCT CT
	VEGFR2_rattus-R	AGG CCA GGA GAC ACG TAA GA
HPRT	HPRT_HK-For	GGT GAA AAG GAC CTC TCG AA
	HPRT_HK-Rev	CAA GGG CAT ATC CAA CAA CA
Nkx2.2	Nkx2.2 RAT RT 1+	GCC CAG GCA GGT CAA GAT
	Nkx2.2 RAT RT 2-	GGC GTC ACC TCC ATA CCT TTC
PDGRF $\alpha$	pdgrf-alpha RT RAT 1+	TCT CAC TGA GAT CAC CAC CGA
	pdgrf-alpha RT RAT 2-	CGC TGT CTT CTT CCT TAG CC
semaphorin 3A	sema3A-ratF	CAG CCA TGT ACA ACC CAG TG
	sema3A-ratR	ATC CAC CCG GTC TAC AAC AA
semaphorin 3F	sema3F-ratF	CGA GGA TCT GCA GTG TGT GT

	sema3F-ratR	AGG CAT CCA CTG GTA GTT GG
Sox10	Vlom SOX10f	CAC TTC CCA GAT CGC CTA CA
	Vlom SOX10r	TGA GGG CTG ATG GTC AGA ATA