

SUPPORTING INFORMATION LEGENDS

Supplementary Table S1. Mice were examined daily for signs of locomotor disability and assigned a score as shown in the Table. Animals with a score exceeding 5 were humanely killed.

Supplementary Table S2. Antibodies used for immunolabelling in this study. CD45 (identifies T-cells, B-cells, monocytes, macrophages and granulocytes), F4/80 and IBA1 (pan-macrophage/microglia), isolectin-B4 (ILB4) (microglia, endothelial cells, neutrophils). Nestin, Doublecortin (DCX) or the polysialated form of the neuronal cell adhesion molecule (PSA-NCAM) all identify neural precursors. OLIG2 and SOX10 identify OL lineage cells whereas NG2 labels only OLPs. GFAP identifies a subset of astrocytes, Collagenase-IV, Endosialin and Smooth Muscle Actin identify (new) blood vessels. MBP, CNPase and Opalin label differentiated OLs and myelin. NeuN identifies mature neurons and P₀ myelinating Schwann cells.

Supplementary Figure S1. A very small proportion of YFP⁺ cells give rise to neurons and astrocytes. Rarely NeuN⁺ (A, C) neurons, in the gray matter, were seen co-labelled with YFP (B, C). A small fraction of YFP⁺ cells (E, F) were also labelled with GFAP (D, F). Counts for GFAP⁺/YFP⁺ cells are shown in figure 4J. Double-labelled cells are indicated by arrows. Scale bar, 20µm.

Supplementary Figure S2. YFP⁺ cells that are OLIG2-negative are also SOX10-negative. A small proportion of YFP⁺ cells (A) were not co-labelled with OLIG2 (A, B) were also not co-

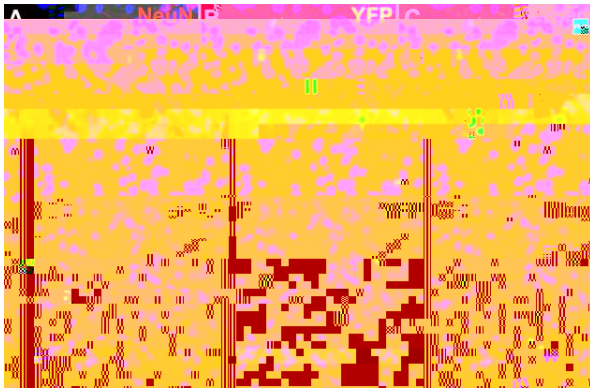
or PSA-NCAM (not shown). All images are of 24 dpi tissue. Cell nuclei labelled with Hoechst are seen in blue. Scale bar, 20 μm .

Supplementary Figure S4. A few YFP⁺ cells (**B**) co-labelled for the Schwann cell myelin marker P₀ (**C**). These were very infrequent and were confined to the periphery of the spinal cord near the pial surface - unlike the majority of YFP⁺, OLIG2-negative cells - suggesting that most of the latter were unlikely to be Schwann cells. Cell nuclei were stained with Hoechst dye (blue). The image was taken at 28 dpi. Scale bar, 20 μm .

Supplementary Table 1: Locomotor Scoring Criteri

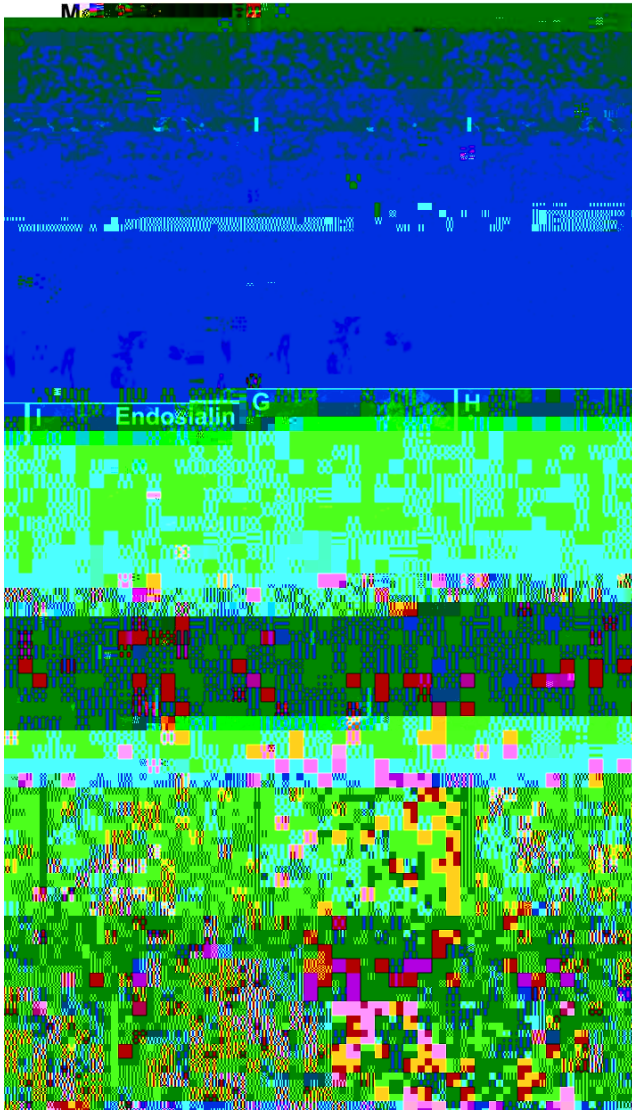
Supplementary Table 2: Antibodies used in this study

Antibody	Species	Concentration	Supplier
NG2	Rabbit	1:500	Chemicon
Olig2	Rabbit	1:700	Chemicon
MBP	Rat	1:100	AbD Serotec
GFAP	Rabbit	1:500	Dako
GFP	Rabbit	1:6000	Abcam
	Rat	1:3000	Fine Chemical Products Ltd
NeuN	Mouse	1:500	Chemicon
Neurofilament	Mouse	1:700	Chemicon
CNPase	Mouse	1:2000	Chemicon
F4/80	Rat	1:100	AbD Serotec
CD45	Rat	1:200	AbD Serotec
Iba1	Rabbit	1:500	Biocare Medical
Collagenase IV Smooth muscle Actin (Cy3 conjugated)	Rabbit	1:200	AbD Serotec

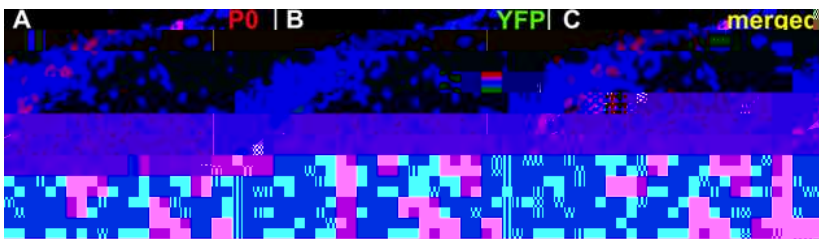


Supplementary Fig S1

Supplementary Fig S2



Supplementary Fig S3



Supplementary Fig S4