

Description of Additional Supplementary Files

Supplementary Video 1: Human oligodendrocyte myelination of mouse axons. A z-stack showing Human GFP⁺ (green) oligodendrocytes generating MBP (red) 10 weeks after transplantation into Shi/Shi:Rag2^{-/-} mice. Hoechst (blue). Corresponding still shown in Supplementary Figure 1 E.

Supplementary Data 1: Copy Number Variation The tab “all CNVs” contains the location, size and copy number value of all the CNVs detected with the SNP array in the NRP1^{+/+} and NRP1^{-/-} cells. In green are highlighted the CNVs that are identical between the two samples. The second tab contains the CNVs found in the NRP1^{-/-} cells but absent in the NRP1^{+/+}

Supplementary Data 2: CAS9 off-target predicted sequences