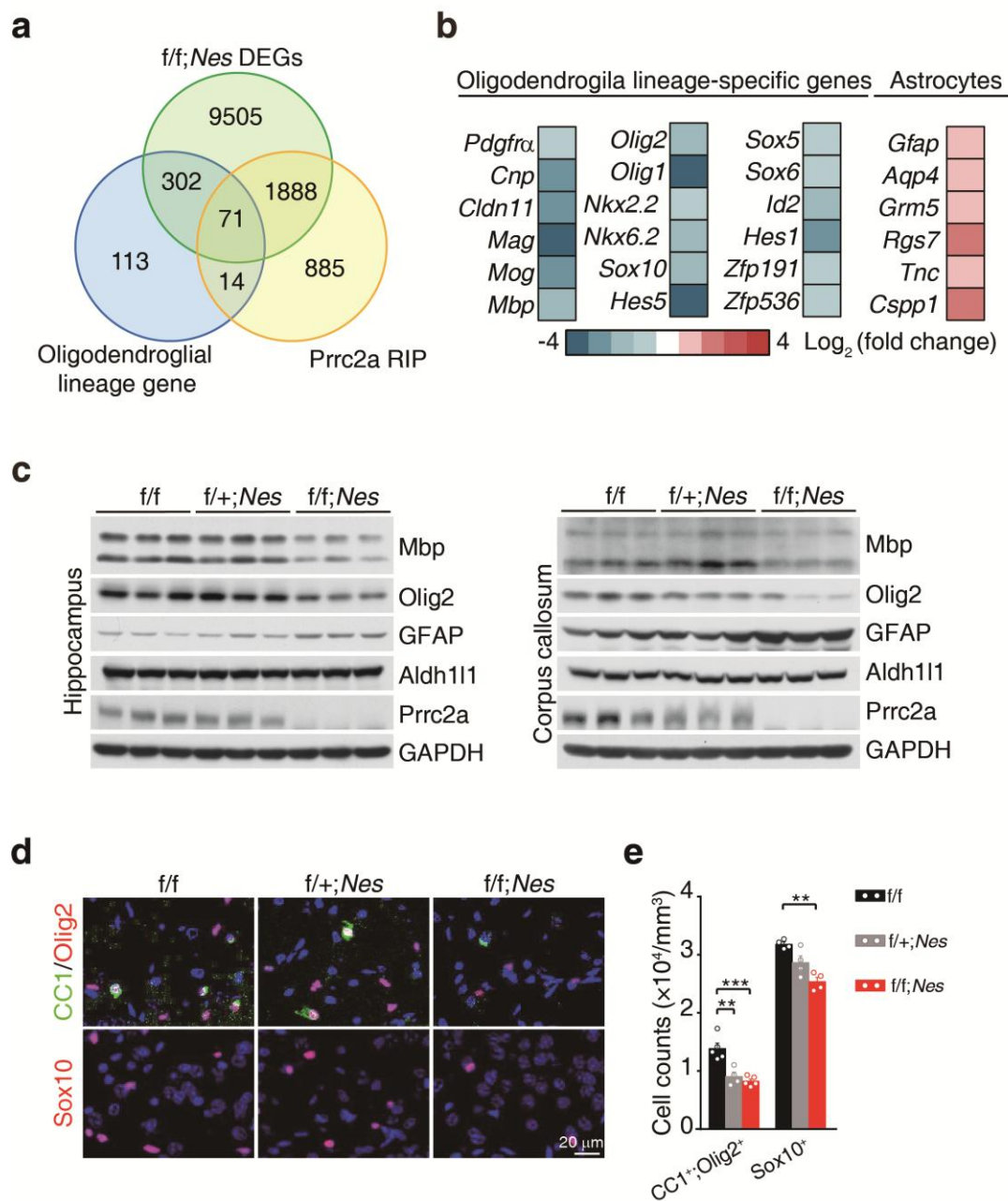


Figure S3



Supplementary Figure 3, related to Figure 4. *Prrc2a* deficiency reduces oligodendroglia developmental stage-specific marker genes.

(a) Overlapped oligodendroglial lineage related genes and *Prrc2a* targets with DEGs in *Prrc2a*^{f/f}; *Nestin*^{cre+/-} versus control samples ($P=2.81 \times 10^{-14}$, hypergeometric test, see also Supplementary Table 2-4)

75 (b) Heat map depicting the representative downregulated genes related to oligodendrocytes
76 and part of upregulated genes related to astrocytes.

77 (c) Western blot analysis of protein expression using the indicated antibody in isolated
78 hippocampus and corpus callosum from control and *Prrc2a^{fl/fl};Nestin^{cre+/+}* mice at P28.

79 (d) Immunostaining of CC1/Olig2 or Sox10 in hippocampus from mice with indicated
80 genotypes at 4 weeks old.

81 (e) The quantification of CC1⁺Olig2⁺ or Sox10⁺ cells (one-way ANOVA followed Tukey test,
82 ***P*<0.01, ****P*<0.001, CC1⁺ Olig2⁺ cells: f/f, n=5, f/+; *Nes* n=4, f/f; *Nes* n=5, Sox10⁺ cells:
83 n=4 per group).

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