

Supporting Information for

Astrocytic TIMP-1 regulates production of Anastellin, a novel inhibitor of oligodendrocyte differentiation and FTY720 responses

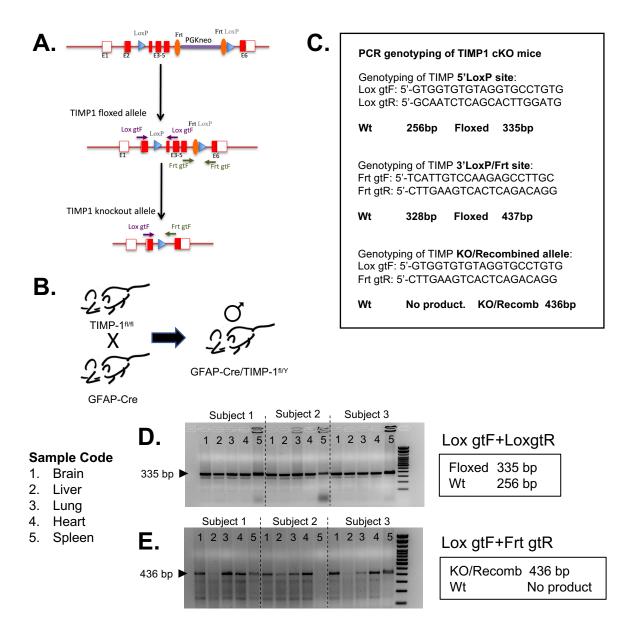
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Supporting text Figure S1



SI Figure 1. Breeding strategy and genotyping of GFAP-Cre/TIMP-1fl/fl mice. (A) Schamtic of targeted TIMP-1 gene locus on X chromosome also indicating the locations of PCR primers for genotyping. (B) Floxed timp-1 female mice when bred with male GFAP-Cre mice generated F1 generation males which were all Cre+/fl+. (C) PCR primers designed to identify and distinguish the floxed from Wt and recombined alleles. (D) Analysis of floxed allele in multiple organs from male progeny revealed presence of floxed allele, and not wildtype, in all organs tested, including brain, heart, lung, spleen, and liver. (E) PCR analysis of recombined floxed allele in male progeny identified consistent recombination in brain, but with variable recombination in other organs tested (heart, lung, liver and spleen). Thus, while astrocytic TIMP-1 recombination was consistently demonstrated, possible recombination in other tissues and cell types cannot be excluded in this study.