

Title: Supplementary Data 1.

Description: Differentially expressed genes (DEGs) comparing wild-type and REST knockout cortical motor neurons at 0, 1, 3, 7 days after SCI.

Title: Supplementary Data 2.

Description: Annotation of molecules in the regeneration-associated protein-protein interaction network in Figure 4D.

Title: Supplementary Data 3.

Description: Module eigengenes (MEs) of co-expression gene networks and module membership of each gene in RNA-seq of wild-type or REST knockout cortical motor neurons in sham or SCI conditions.

Title: Supplementary Data 4.

Description: Expression level changes of REST-repressed genes predicted by ARACNe comparing RGCs sorted at 1, 3, 5 days after optic nerve crush with pro-regenerative treatment to non-regenerative RGCs with control treatment.

Title: Supplementary Data 5.

Description: REST-targeted genes predicted by DNA footprinting analysis of ATAC-seq data generated in RGCs sorted at 0 (no crush), 1, and 3 days after optic nerve crush.