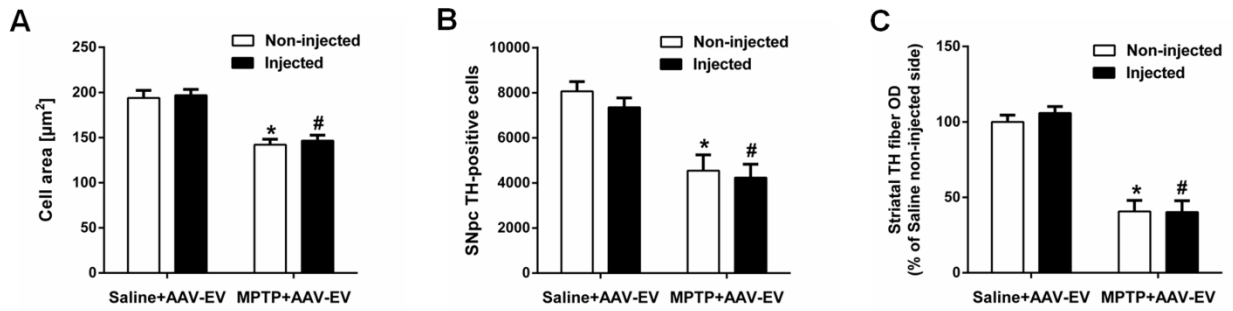


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Supplemental Information

Overexpression of TFEB Drives a Pleiotropic Neurotrophic Effect and Prevents Parkinson's Disease-Related Neurodegeneration

Albert Torra, Annabelle Parent, Thais Cuadros, Beatriz Rodríguez-Galván, Esther Ruiz-Bronchal, Andrea Ballabio, Analía Bortolozzi, Miquel Vila, and Jordi Bové



Supplemental Figure S1. AAV-Empty vector injection does not modify neuronal size and does not prevent neuronal cell loss or atrophy in the MPTP model. (A) Average cell area of dopaminergic neurons in MPTP-intoxicated mice previously injected with AAV-EV ($n = 7$), and mice treated with saline and previously injected with AAV-EV ($n = 7$); two-way ANOVA, post hoc Tukey's. * $P < 0.05$ compared to Saline+AAV-EV non-injected side. # $P < 0.05$ compared to Saline+AAV-EV injected side. (B) Stereological cell counts of dopaminergic neurons in substantia nigra pars compacta in MPTP-intoxicated mice previously injected with AAV-EV ($n = 7$), and mice treated with saline and previously injected with AAV-EV ($n = 8$); two-way ANOVA, *post hoc* Tukey's. * $P < 0.05$ compared to Saline+AAV-EV non-injected side. # $P < 0.05$ compared to Saline+AAV-EV injected side. (C) Optical densitometry of striatal TH-positive dopaminergic fibers in MPTP-intoxicated mice previously injected with AAV-EV ($n = 7$), and mice treated with saline and previously injected with AAV-EV ($n = 8$); two-way ANOVA, *post hoc* Tukey's. * $P < 0.05$ compared to Saline+AAV-EV non-injected side. # $P < 0.05$ compared to Saline+AAV-EV injected side. In all panels, quantifications were performed 21 days after the last MPTP or saline administration. All data are represented as mean \pm SEM.