

Tyrosine Hydroxylase phosphorylation is under the control of Serine 40

Jesse Stoop^{1,*}, Erik H. Douma^{1,*}, Marc van der Vlag¹, Marten P. Smidt², Lars P. van der Heide^{2†}

¹Macrobian Biotech B.V., Science Park 904, 1098 XH, Amsterdam, the Netherlands

²Swammerdam Institute for Life Sciences, University of Amsterdam, Science Park 904, 1098 XH, Amsterdam, the Netherlands

*These authors contributed equally to this work

Running title: Serine 40 is in control of Tyrosine Hydroxylase

†Corresponding author:

Lars P. van der Heide (l.p.vanderheide@uva.nl)

Swammerdam Institute for Life Sciences

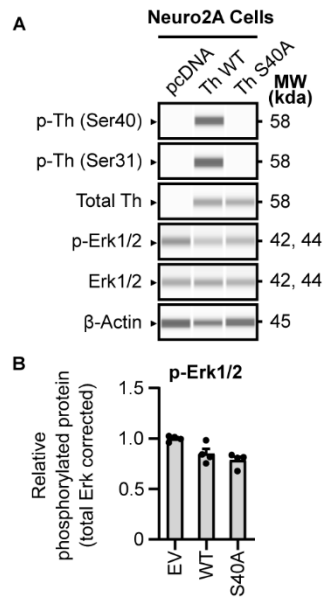
University of Amsterdam

Room C3.104

Science Park 904

1098 XH Amsterdam

The Netherlands



Supplemental figure 1: (A) Protein analysis showing the overexpression of both wild-type Th and Th S40A in Neuro2A cells. **(B)** Quantitative analysis of total Erk corrected p-Erk1/2 (n = 4 where each sample represents an independent cell culture preparation from the same passage number).