

SUPPLEMENTARY FIG. S2. Behavioral abnormalities in MPS VI mice treated with either AAV.TBG.hARSB or rhARSB. Behavioral tests were performed 4–5 months postinjection on 5–6-month-old MPS VI mice treated with either AAV.TBG.hARSB (AAV.hARSB, n=4, light gray bar) or rhARSB (n=4, dark gray bar) and in age-matched normal (NR, n=13 white bar) and affected (AF, n=9 [except for rotarod task n=8], black bar) controls. The mean latency to fall off the rod or the grid was measured in the rotarod (a) and the hanging wire (b) tasks, respectively. A 30 min open-field task was also performed in MPS VI treated and control mice (c-e). The track plot of the distance traveled in the first 5 min of the open-field task by mice of each experimental group is reported (c) and quantified as mean path length (d) and time spent in the central area (e). Results are represented as mean \pm SE. Statistical comparisons were made using the one-way analysis of variance and the Fisher LSD post hoc test. The p-value vs. NR is $\# \le 0.05$, and vs. AF is $\# \le 0.05$ and $\# \le 0.01$. The exact p-values obtained are indicated in the Materials and Methods section. The number (n) of animals in each group is indicated under each bar.