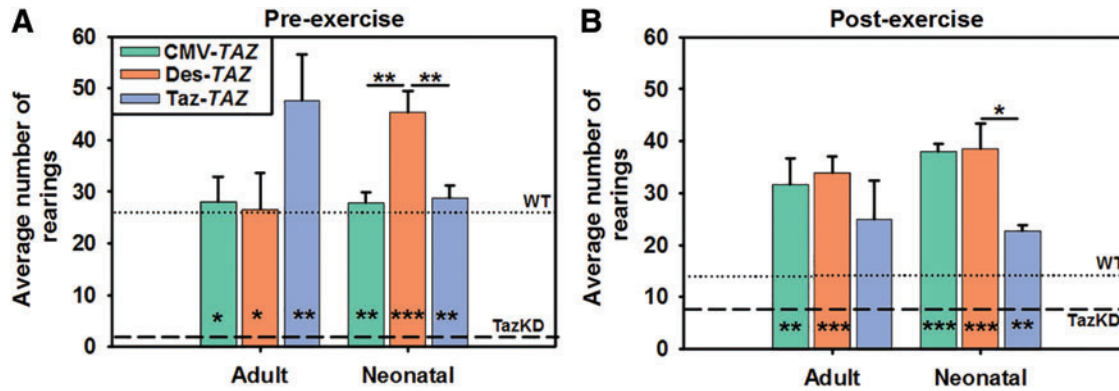


## Supplementary Data



**Supplementary Figure S1.** ActiTrack rearing (vertical reaching up to cross a horizontal plane) data on mice from each cohort. **(A)** There is a significant difference between the average number of rearings performed by WT mice (dotted line) and TazKD (dashed line) mice pre-exercise ( $p \leq 0.01$ ) and this is significantly improved in all treatment cohorts compared with untreated TazKD mice. **(B)** There is also a significant difference in numbers of rearings between WT and TazKD mice post-exercise ( $p \leq 0.001$ ) that is improved in all cohorts except those treated as adults with Taz-TAZ. Data are represented as mean  $\pm$  SEM ( $n=5$ ). Significant differences between promoters for each treatment age are indicated by lines above bars and significant improvement between each individual sample and untreated TazKD controls is indicated by \* at the bottom of bars (\* $p \leq 0.05$ , \*\* $p \leq 0.01$ , \*\*\* $p \leq 0.001$ ). TazKD, tafazzin shRNA knockdown; WT, wild type.