

**Figure S1.** No correlation between weight and Rotarod test performance in 12-month-old mice (n as indicated in **Figure 2**). **a**) Between all mice in Bl6 background and weight ( $r^2 = 0.087$ , p = 0.114). **b**) Between all mice in Bl6/129sv background and weight ( $r^2 = 0.041$ , p = 0.321).