

zQ175DN-KI Transgenic Mouse Model

zQ175DN-KI mice (JAX# 029928) have the mouse Htt exon 1 replaced by the human HTT exon 1 sequence with ~180-220 CAG repeats. Furthermore, the neo cassette of these KI mice was deleted (DN).

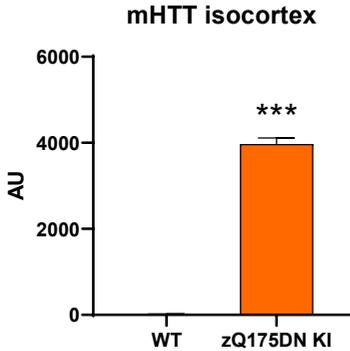


Figure 1: Quantification of mHTT by sandwich immunosorbent assay using the MesoScale Discovery platform in the isocortex of 5.5 months old mixed sex zQ175DN KI and WT mice. WT: n = 3; zQ175DN KI: n = 12. Mean + SEM. Unpaired t-test. ***p<0.001.

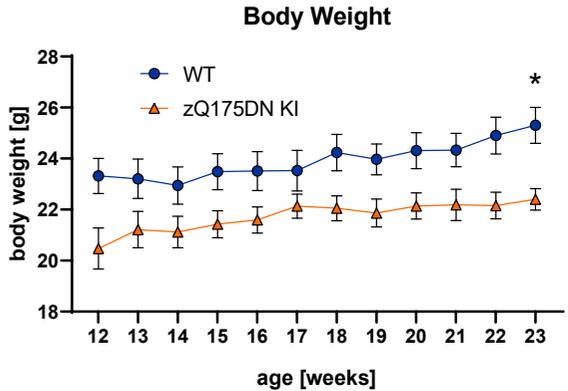


Figure 2: Body weight of 5.5 months old mixed sex zQ175DN KI and WT mice. n = 12 per group. Mean ± SEM; Repeated Measures Two Way ANOVA with Sidak's multiple comparison *post hoc* test; *p<0.05. Analysis of body weight progression was significant by Tukey's multiple comparison *post hoc* test (not labeled).

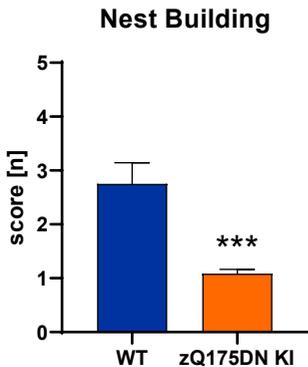


Figure 3: Nest building of 5.5 months old mixed sex zQ175DN KI and WT mice. Score of 1 representing a poor nest and score of 5 representing a perfect nest. n = 12 per group. Mean + SEM; Mann-Whitney U-test. ***p<0.001.

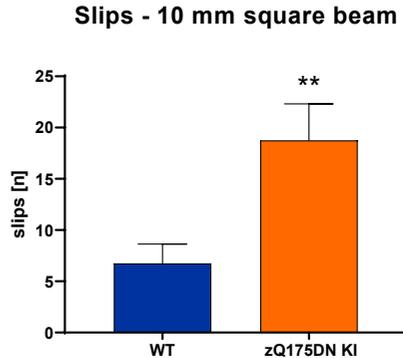


Figure 4: Beam Walk test of 5.5. months old mixed sex zQ175DN KI and WT mice. Number of slips on a 10 mm square beam. n = 12 per group. Mean + SEM; unpaired t-test. **p<0.01.