## Huntington's Disease

## 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: $\mathrm{n}=3$;
zQ175DN KI: $\mathrm{n}=12$. Mean

+ SEM. Unpaired t-test.
***p<0.001.


## Figure 2:

Body weight of 5.5 months
old mixed sex zQ175DN
KI and WT mice. $\mathrm{n}=12$
per group. Mean $\pm$ SEM;
Repeated Measures
Two-way ANOVA with
Sidak's multiple compar-
ison post hoc test; *p<0.05.
Analysis of body weight
progression was signifi-
cant 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. $\mathrm{n}=12$ 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. $\mathrm{n}=12$
per group. Mean + SEM;
unpaired t-test. **p<0.01.

## Figure 1

## mHHT Isocortex



Figure 2
Body Weight


Figure 3
Nest Building


Figure 4
Beam Walk


## Scantox

Discovery
Important note:
Representative data are shown
throughout this document. However, biological variability might cause deviations from shown data.

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