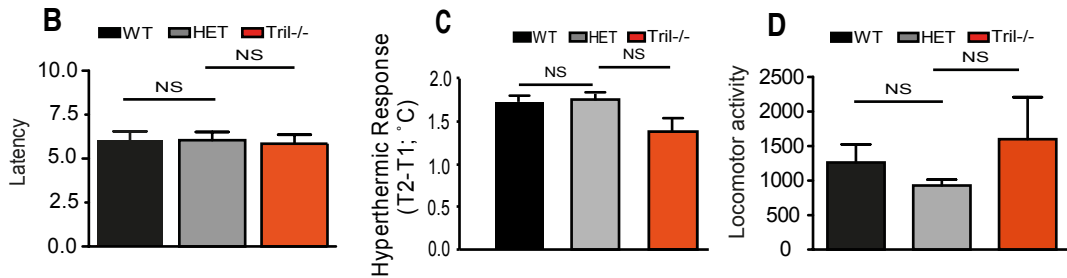


A

Name of test	Behavioural phenotype examined	Test result
Elevated zero maze	anxiety	no differences
Stressed-induced hyperthermia	anxiety	no significant differences
Four plate test	anxiety	no differences
Tail suspension test	depression	no differences
Visual cliff	general behaviour - vision	no differences
Spontaneous locomotor activity	general behaviour	no significant differences
Accelerating rotarod	general behaviour - motor activity	no differences
Tail-flick	pain	no differences
Thermal sensitivity in response to inflammation	pain	no differences



Supplementary Figure 1 Behavioural phenotyping of *Tril*^{-/-} and HET mice relative to WT controls

A, Overall evaluation across multiple behavioural tests examining anxiety, depression, general behaviour, motor coordination and pain sensation, carried out using a cohort of WT, HET and *Tril*^{-/-} mice (n=7, 10 and 10, respectively). **B**, Tail-flick assay assessing pain sensation by measuring tail withdrawal latency. Data are represented as a mean \pm SEM (n=7-10). **C**, Model of stress-induced hyperthermic responses examining an anxiolytic phenotype of *Tril*^{-/-} and HET mice relative to WT cohorts (n=7-10). **D**, Spontaneous locomotor activity assay evaluating pattern of exploratory behaviour of *Tril*^{-/-} and HET mice relative to WT cohorts (n=7-10). Data are represented as mean \pm SEM (n=7-10).