Mouse Models AVED Publication

alpha-TTP(-/-) mice

IDENTIFICATION

Causal gene(s)	TTPA
Repeat size or mutation	Homozygous Ttpa knock-out mice
Animal model	Mouse

MODEL DETAILS

Mouse strain / background	C57BL/6J
Type of model	Knockout

TRANSGENIC CONSTRUCT

Transgenic construct: details	Targeting vector where the entire exon 1 was replaced by a neomycin-resistance cassette

PHENOTYPE

Hallmark features	Lower plasma ?-tocopherol levels, infertility in female mice

SOURCE & PUBLICATIONS

Originating lab / institution	Chugai Pharmaceutical Co., Ltd.
Links to publications or public resources	Delayed-onset ataxia in mice lacking alpha -tocopherol transfer protein: model for neuronal degeneration caused by chronic oxidative stress - PubMed https://pubmed.ncbi.nlm.nih.gov/11752462/