Mouse Models SCA34 Publication

Elovl4 homozygous KO mice (perinatal lethal)

IDENTIFICATION

Causal gene(s)	ELOVL4
Repeat size or mutation	Homozygous knockout of Elovl4
Animal model	Mouse

MODEL DETAILS

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

TRANSGENIC CONSTRUCT

Transgenic construct: sequence type	Mouse Elovl4

PHENOTYPE

Hallmark features	Perinatal lethal

SOURCE & PUBLICATIONS

Originating lab / institution	National Institutes of Health
Links to publications or public resources	Haploinsufficiency is not the key mechanism of pathogenesis in a heterozygous Elovl4 knockout mouse model of STGD3 disease - PubMed https://pubmed.ncbi.nlm.nih.gov/16877435/ Elovl4 haploinsufficiency does not induce early onset retinal degeneration in mice - PubMed https://pubmed.ncbi.nlm.nih.gov/17254625/