

[Mouse Models](#)[SCA34](#)[Publication](#)

Elovl4 heterozygous KO mice (no ataxia tested)

IDENTIFICATION

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

MODEL DETAILS

| | |
|---------------------------|-----------------------|
| Mouse strain / background | C57BL/6J |
| Type of model | Heterozygous Knockout |

TRANSGENIC CONSTRUCT

| | |
|-------------------------------------|--------------|
| Transgenic construct: sequence type | Mouse Elovl4 |
|-------------------------------------|--------------|

PHENOTYPE

| | |
|-------------------|----------------------------|
| Hallmark features | No ataxia phenotype tested |
|-------------------|----------------------------|

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/ |