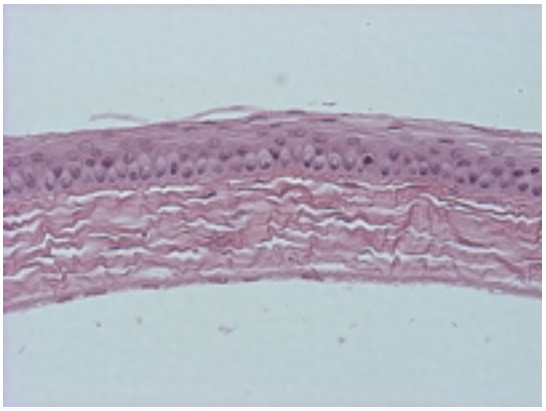
Gene: Stx8 Genotype -/-

Sanger Colony: MAKV

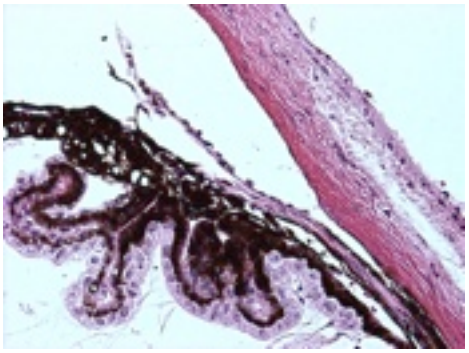
Abnormal Findings: The nerve appears somewhat small. There are frequent detachments of the internal limiting membrane; however this is occasionally seen during processing. Verification of this finding is recommended.

EYE Phenotype



Cornea:

6/6. Normal corneal epithelium, stroma, and endothelium.

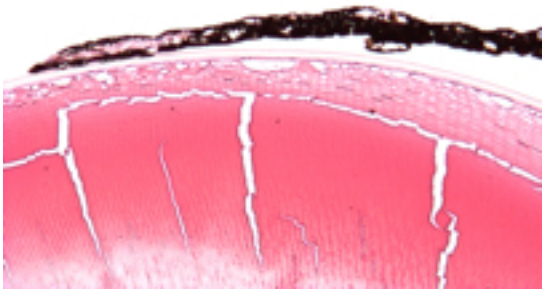


Anterior chamber:

6/6. The anterior chamber was of normal depth without cells, and the angle appeared open.

Iris:

6/6. The iris showed normal pigmentation without rubeosis or pupillary membranes.



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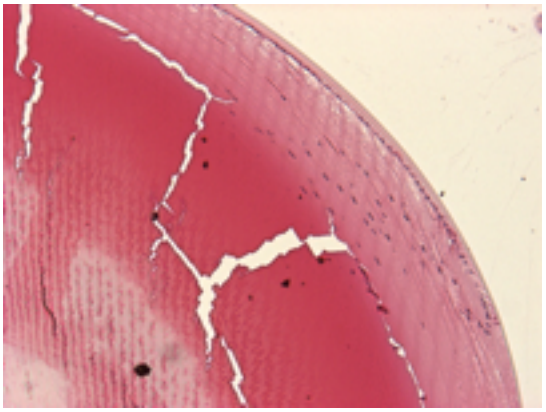
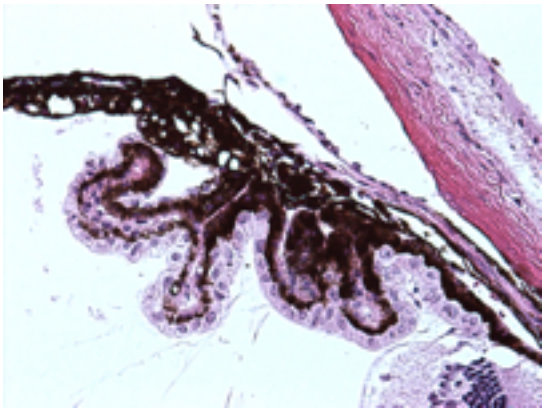
Sanger Colony: MAKV



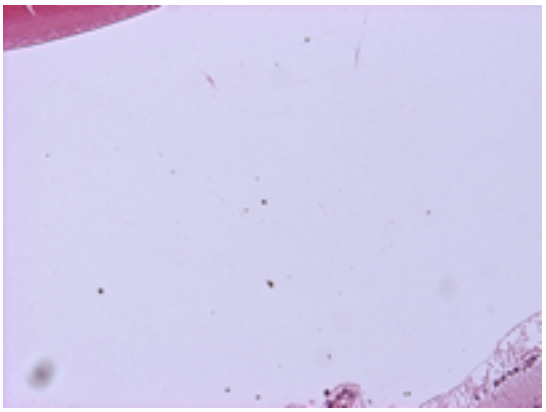
Lens:

6/6. No cataract was observed.



Ciliary body:

6/6. Normal stromal, pigmented and nonpigmented layers were present along with cilia.



Vitreous:

6/6. No opacities, neovascularization, hemorrhage, or cells were observed.

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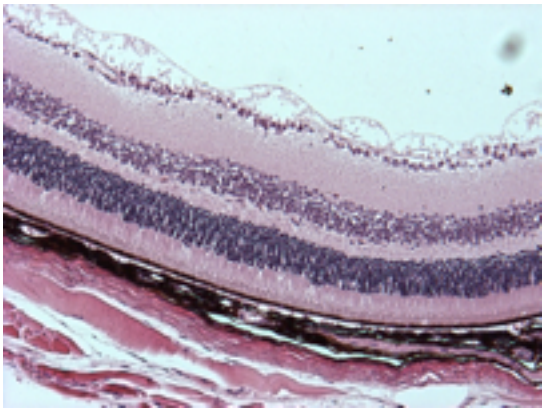
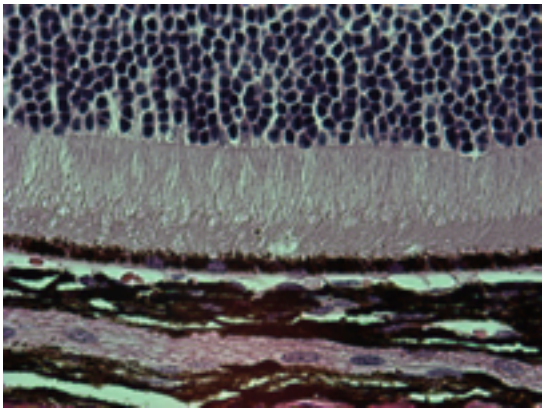


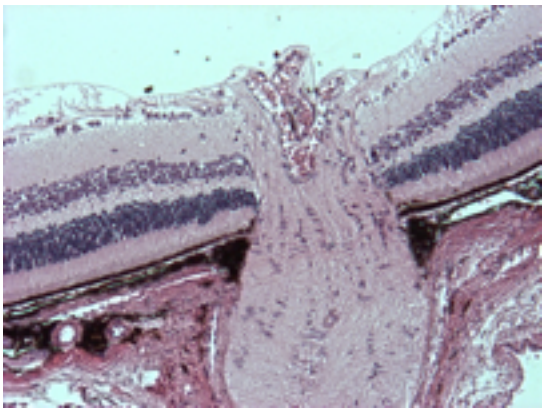
Retina:

6/6. The nerve fiber layer and internal limiting membrane are abnormal. The inner nuclear and photoreceptor layers are normal.



Retinal pigment epithelium and Choroid:

6/6. Normal pigmentation. No neovascular membranes were noted.



Optic Nerve:

6/6. The nerve appears (mild) small. The nerve fiber layer is thin with detachments of the internal limiting membrane.

Methods. 6 eyes from 3 male mice were enucleated by blunt dissection and fixed. Pupil-optic nerve sections were processed with hematoxylin and eosin, and standard images were captured under light microscopy for review.