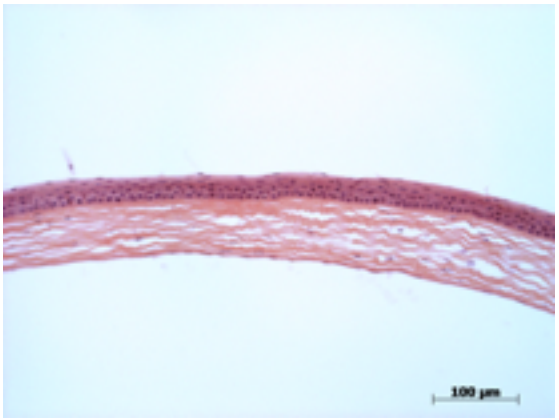
Gene: Slx4 Genotype +/-

Sanger Colony: MAFF

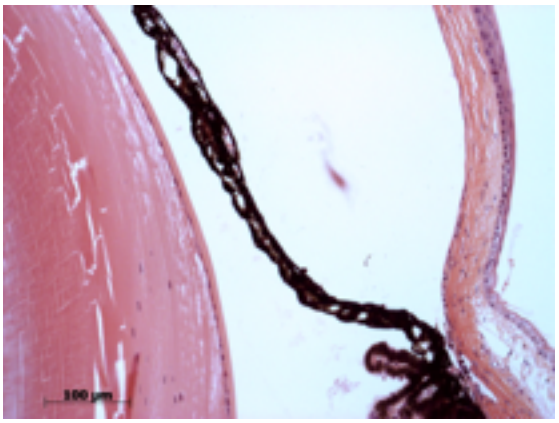
Abnormal Findings: One eye showed collapse of the globe and disorganization of intraocular tissues.

EYE Phenotype



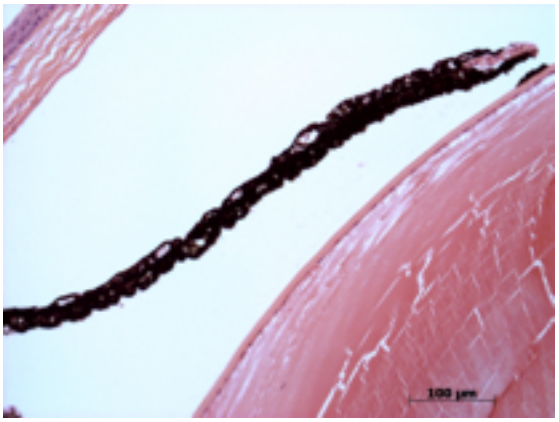
Cornea:

5/6. Normal corneal epithelium, stroma, and endothelium.



Anterior chamber:

5/6. The anterior chamber was of normal depth without cells, and the angle appeared open.



Iris:

5/6. The iris showed normal pigmentation without rubeosis or pupillary membranes.

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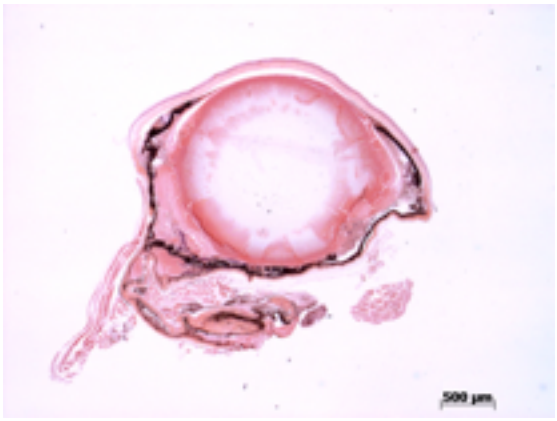
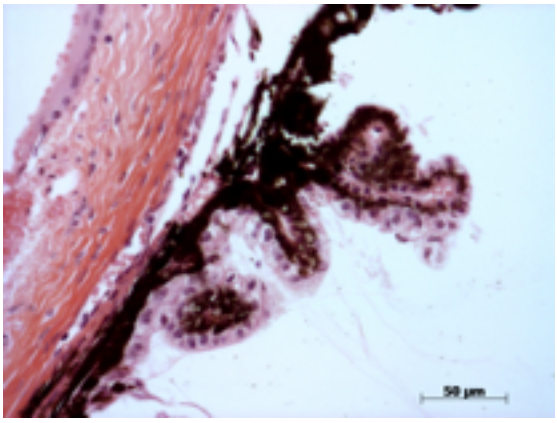


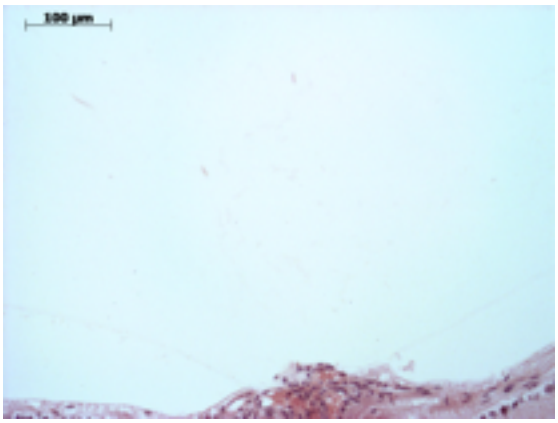
Lens:

1/6. One eye showed collapse of the eye structure with abnormal, disorganized intraocular tissues. This was not observed in the other 5 eyes.



Ciliary body:

5/6. Normal stroma, pigmented and nonpigmented layers were present along with cilia.



Vitreous:

5/6. No abnormal opacities or cells.

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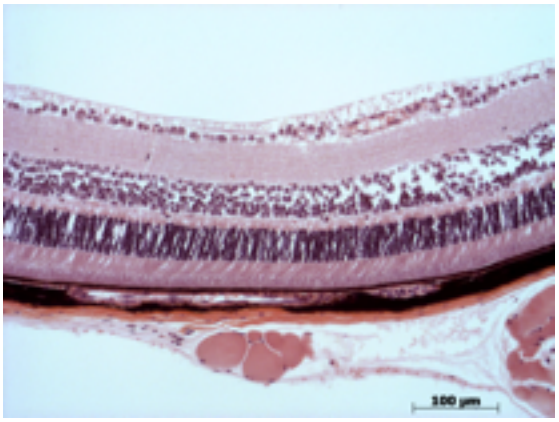
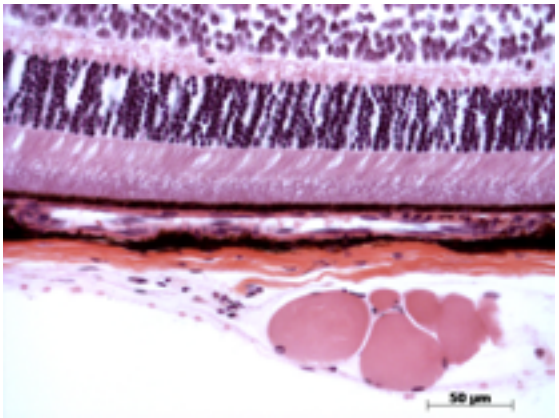


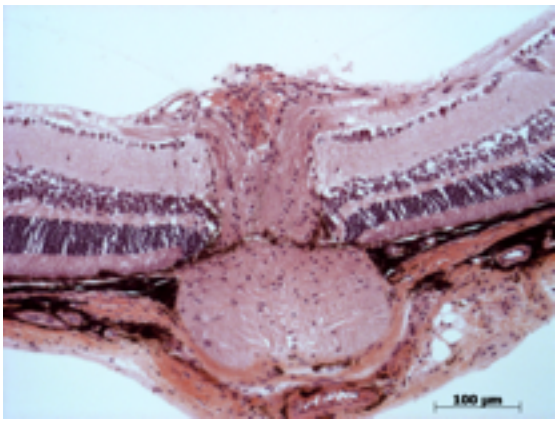
Retina:

5/6. The retinal ganglion, inner nuclear and photoreceptor layers are normal.



Retinal pigment epithelium and Choroid:

5/6. Normal pigmentation. Bruch's membrane is intact. No neovascular membranes were noted.



Optic Nerve:

5/6. The nerve is normal.

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.