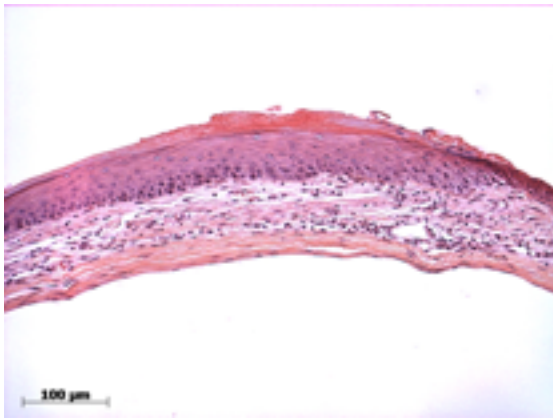


Abnormal Findings: Abnormal iridocorneal angle [MP:0004221], abnormal cornea morphology [MP:0001312], corneal neovascularization [MP:0005542], abnormal ciliary body [MP:0005099], iris [MP:0001322, MP:0006233].

EYE Phenotype



Cornea:

5/6. Thickened corneal epithelium, stroma, and endothelium. There are blood vessels in the stroma.



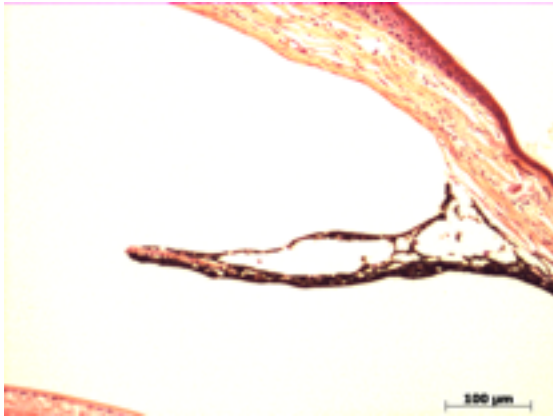
Anterior chamber:

3/6. The anterior chamber was of normal depth without cells, the angle appears closed in several cases.

Gene: **Dsc2**

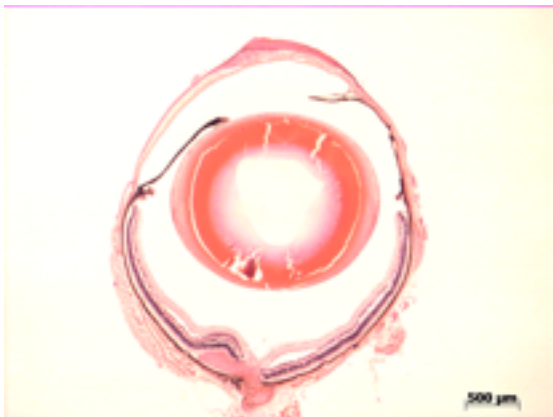
Genotype **-/-**

Sanger Colony: MDZL



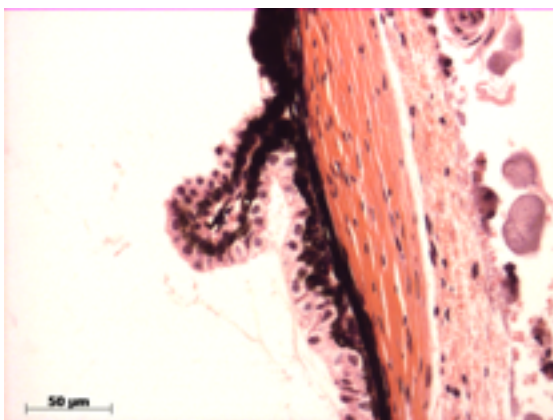
Iris:

3/6. The iris was shortened with abnormal morphology and fused to the cornea in some cases. There was normal pigmentation without rubeosis or pupillary membranes.



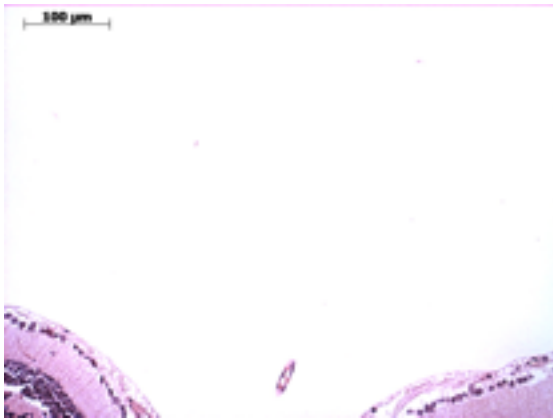
Lens:

6/6. No cataract was observed.



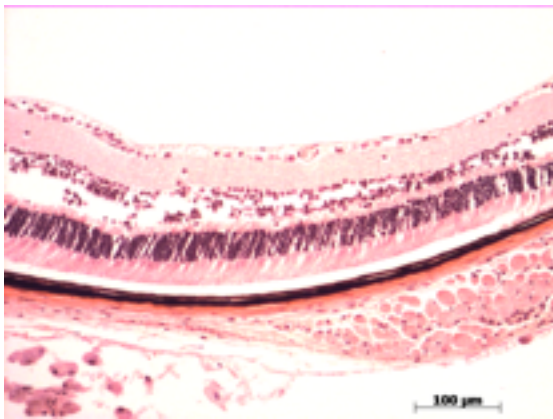
Ciliary body:

3/6. There were reduced numbers of cilia.



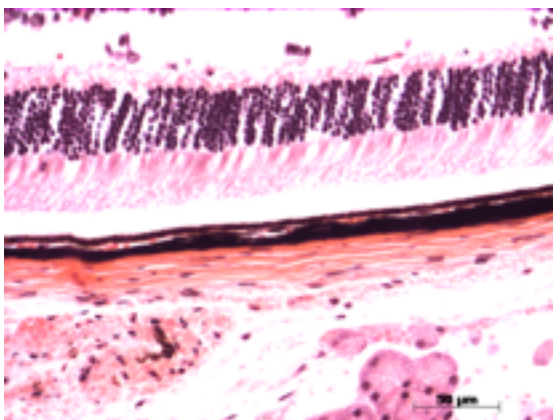
Vitreous:

6/6. No abnormal opacities or cells.



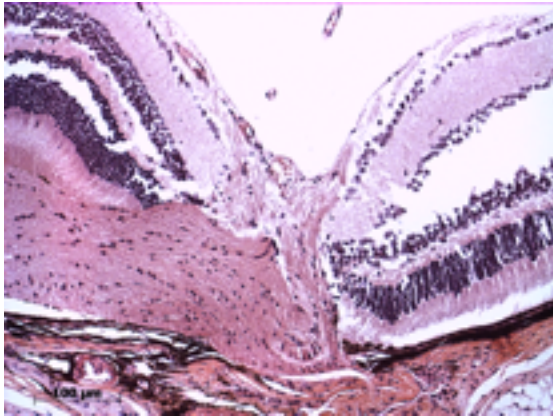
Retina:

6/6. The retinal ganglion, inner nuclear and photoreceptor layers are normal. There is an artifactual split in the outer plexiform layer.



Retinal pigment epithelium and Choroid:

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



Optic Nerve:

6/6. The nerves appear normal. The optic nerve tissue beneath the retina is an artifact of the enucleation procedure.

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.