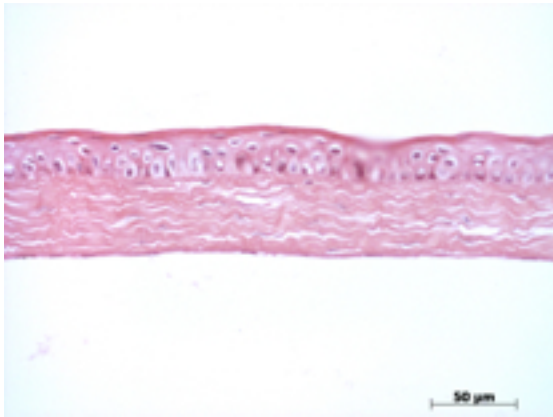


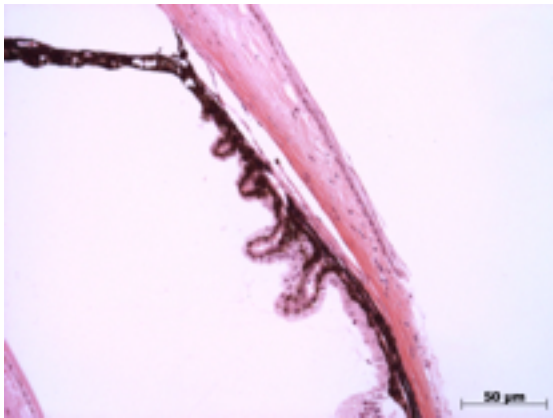
Abnormal Findings: None.

EYE Phenotype



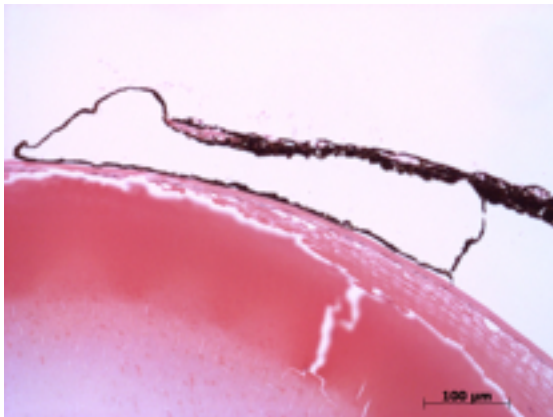
Cornea:

5/6. Abnormal corneal epithelium and endothelium. Epithelial cells are abnormal in shape and number. The endothelium shows irregular shapes, vacuoles and Descemet's membrane is occasionally broken.



Anterior chamber:

4/6. The anterior chamber was of normal depth without cells, but the angle was anteriorly displaced in some cases.



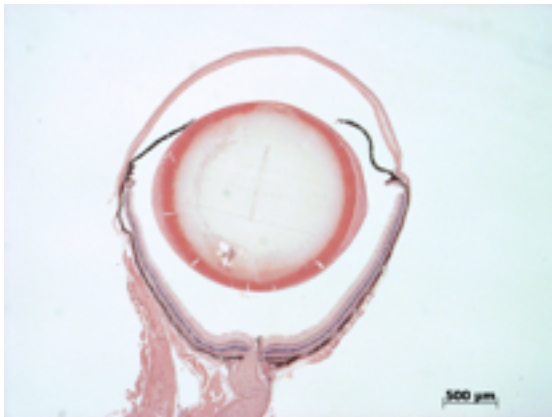
Iris:

2/6. The iris showed adhesions to the lens and variable increases in the stroma and anterior border shift in relation to the ciliary body. There is normal pigmentation without rubeosis or pupillary membranes.

Gene: **Cenpj**

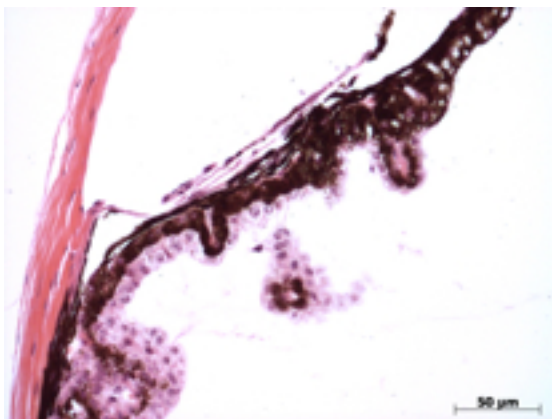
Genotype **-/-**

Sanger Colony: MBKA



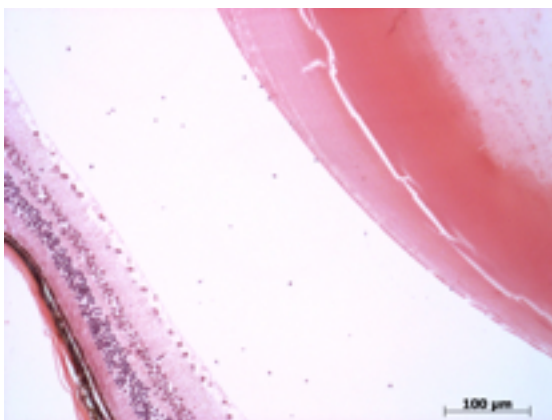
Lens:

6/6. No cataract was observed.



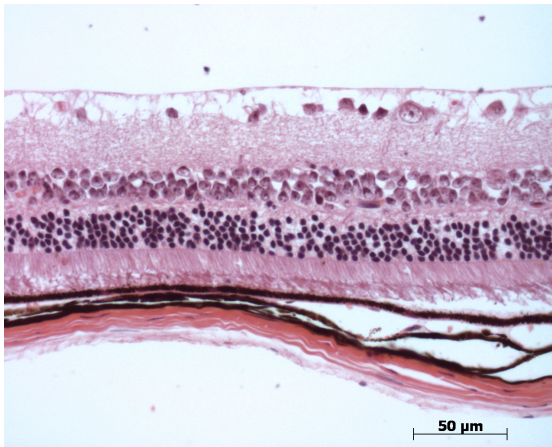
Ciliary body:

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



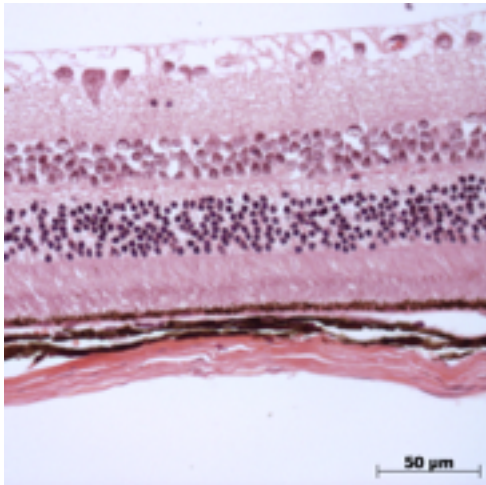
Vitreous:

1/6. A few cells were present in only 1 eye.



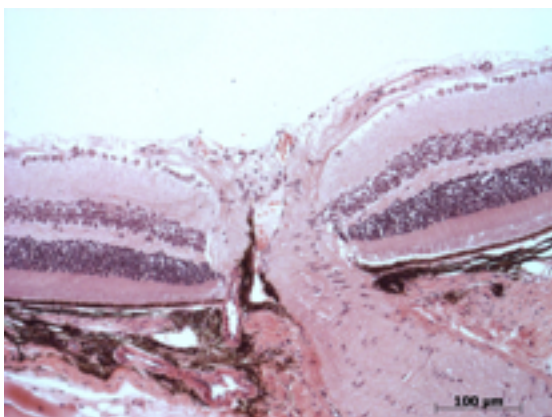
Retina:

6/6. The retinal ganglion and inner nuclear are normal. The photoreceptor nuclei are variably reduced in number, disorganized, and are loosely packed in the outer nuclear 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 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.

Gene: **Cenpj**

Genotype -/-

Sanger Colony: MBKA
