## Gene: Ehd1

Sanger Colony: MCBK

Abnormal Findings: The corneal epithelium, stroma, and angle were disorganized at the limbus, overlying an abnormal angle. There were cells in the vitreous MP terms: abnormal cornea morphology [MP:0001312]. abnormal vitreous body [MP:0002699]

**EYE** Phenotype

#### Cornea:

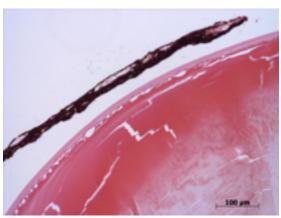
**3/6.** The corneal epithelium and stroma are disorganized with cell nuclei. This abnormality is seen at the limbus.

### Anterior chamber:

**6/6.** The anterior chamber was ope, but there were occasional synechiae, pigmented cells, and the appearance of an enlarged Shlem's canal.

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

This report was prepared by Vinit Mahajan M.D., Ph.D. and Stephen Tsang M.D., Ph.D. on 05/19/2011. http://mahajanlab.org
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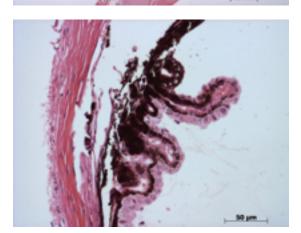


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### Lens:

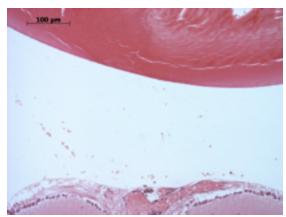
6/6. No cataract was observed.



500 µm

### **Ciliary body:**

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



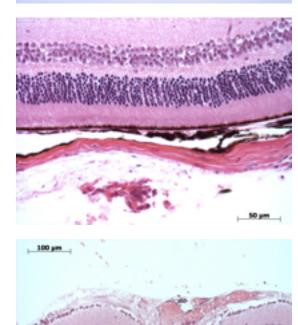
### Vitreous:

4/6. There were cells of unknown origin scattered throughout the vitreous.

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## Genotype +/-

Sanger Colony: MCBK



#### Retina:

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

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.