

Sanger Colony: MBSP

Abnormal Findings: Lens material in the vitreous.

## **EYE** Phenotype

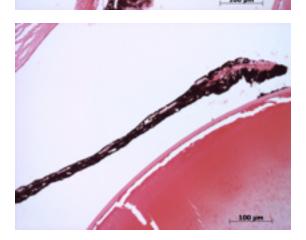


#### Cornea:

5/6. The corneal epithelium, stroma, and endothelium were normal.

#### 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.

# Gene: AsxI1

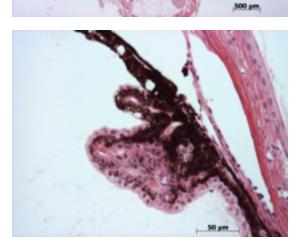
Genotype +/-



Sanger Colony: MBSP

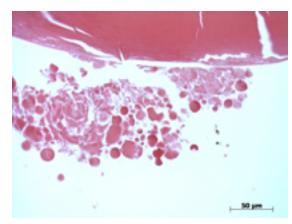
#### Lens:

5/6. Posterior extrusion of lens material was observed.



#### **Ciliary body:**

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



#### Vitreous:

5/6. Lens opacities in the vitreous suggestive of a posterior cataract.

# Gene: AsxI1

Genotype +/-

Sanger Colony: MBSP

#### 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. There were occasional large vessels near the disc and retina.

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.