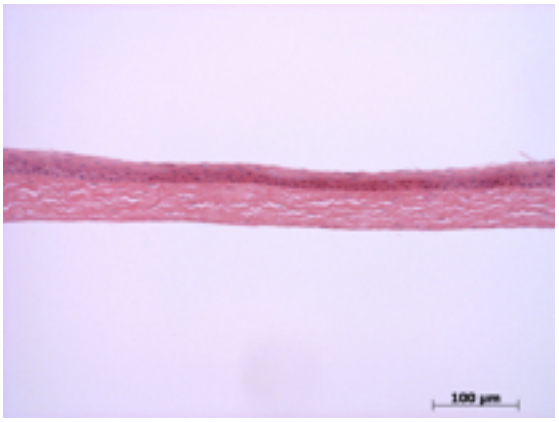
Gene: Sirt2 Genotype -/-

Sanger Colony: MBGH

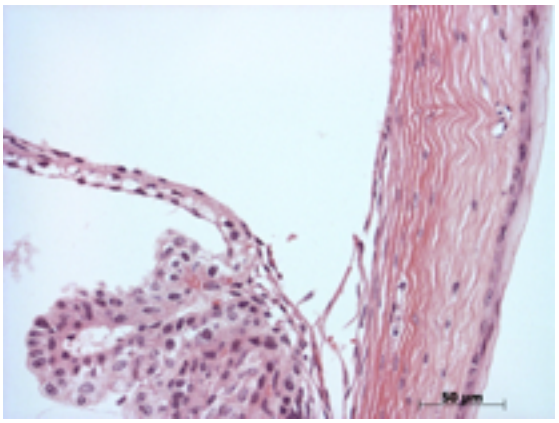
Abnormal Findings: None. (Albino background)

EYE Phenotype



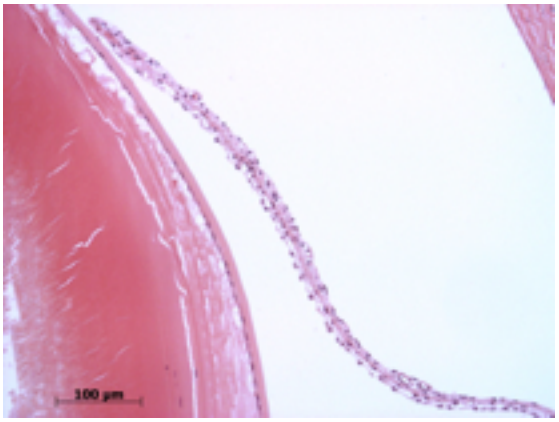
Cornea:

2/2. Normal corneal epithelium, stroma, and endothelium.



Anterior chamber:

2/2. The anterior chamber was of normal depth without cells, and the angle appeared open.



Iris:

2/2. The iris showed normal pigmentation without rubeosis or pupillary membranes.

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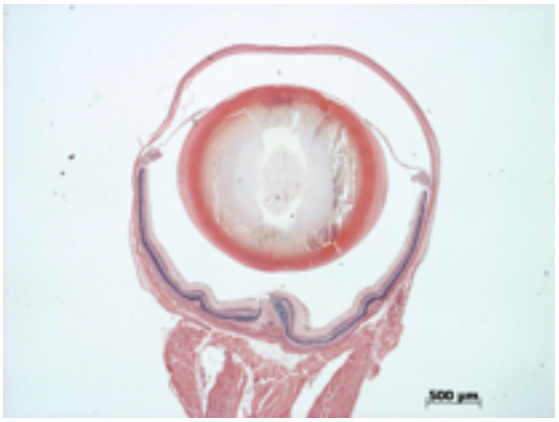
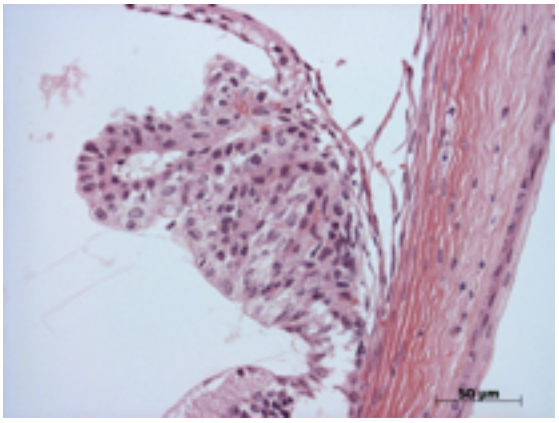


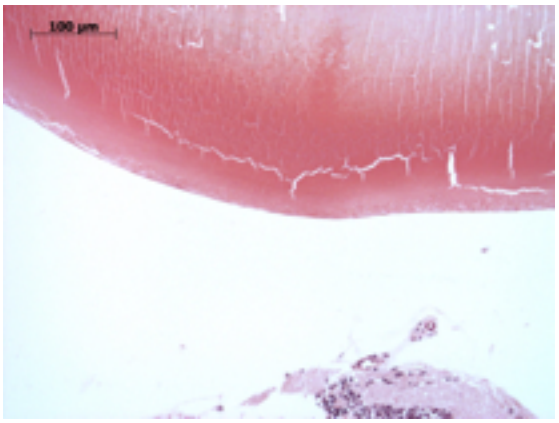
Lens:

2/2. No cataract was observed.



Ciliary body:

2/2. Normal stroma, pigmented and nonpigmented layers were present along with cilia.



Vitreous:

2/2. No abnormal opacities or cells.

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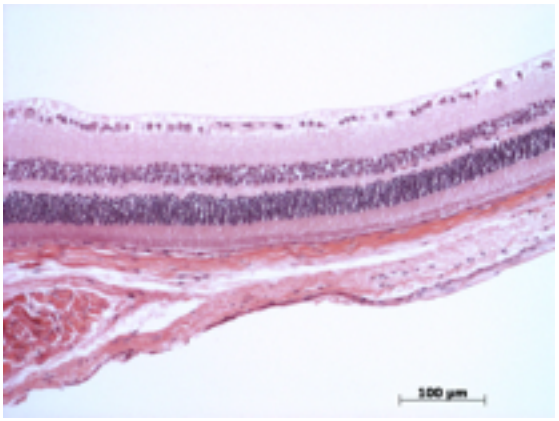
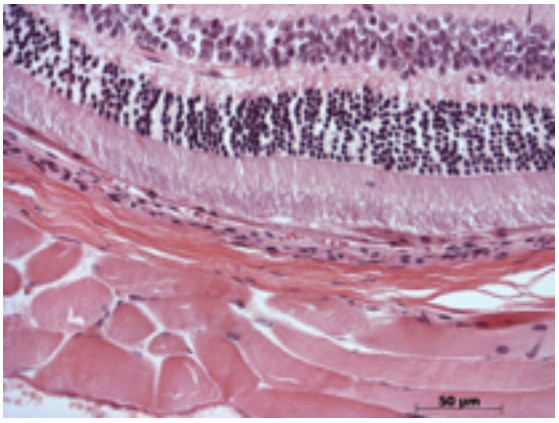


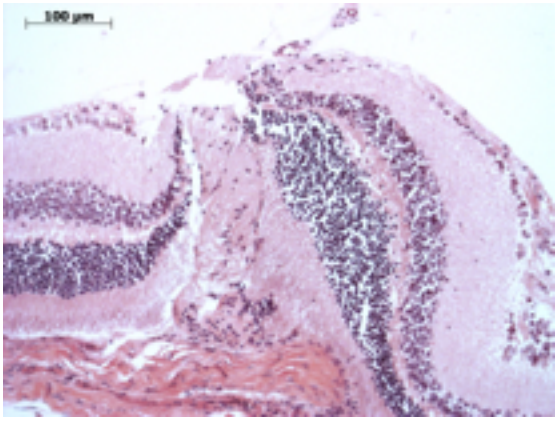
Retina:

2/2. The retinal ganglion, inner nuclear and photoreceptor layers are normal.



Retinal pigment epithelium and Choroid:

2/2. Normal pigmentation. Bruch's membrane is intact. No neovascular membranes were noted.



Optic Nerve:

2/2. The nerve is normal.

Methods. 2 eyes from 1 male mouse 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.