

Supplemental Information Figure 1. Comparison of retinal histology at four different retinal regions (from left to right regions 2, 4, 5 and 7 – see Figure 1. Region 2 is dorsal peripheral, 4 is central tapetal, 5 is central non-tapetal and 7 is ventral peripheral). A-D a

control puppy at 5 weeks of age. E-H a mutant puppy at 5 weeks of age. I-L a control puppy at 16 weeks of age. E-H a mutant puppy at 16 weeks of age. Size bar =  $50 \mu m$ .