

Figure S1: Fundus images of 2 months old mice

Representative fundus color images were taken from 2 months old $Grn^{+/+}$, $Grn^{+/-}$, and $Grn^{-/-}$ mice.

Figure S2: Retinal microgliosis in PGRN-deficient mice

(A) Representative immunofluorescence showing Iba-1 positive cells (red) in 6-month old $Grn^{+/+}$ and $Grn^{-/-}$ retinal flat mounts. Scale bar, 50 μ m. (B) Quantitative analysis of the number of Iba-1-positive cells in retinal flat mounts of $Grn^{+/+}$ and $Grn^{-/-}$ mice at 6 months of age ($Grn^{+/+}$, n = 3; $Grn^{-/-}$, n = 3). Data are presented as the mean \pm SEM. **P < 0.01 vs. $Grn^{+/+}$ mice (Welch's *t*-tests).