**Supplementary Figure S1.** Negative controls of VLDLR immunohistochemistry. A and C show the green fluorescein signals of VLDLR. B and D are merged images of nucleus counterstained with DAPI. (A, B) Non-immune IgG staining of an adult wildtype retina. No specific bright staining in the retina was found when the primary anti-VLDLR antibody was not present. (C, D) VLDLR immuno staining of an adult vldlr⁻/⁻ retina. No specific staining was found in the vldlr⁻/⁻ retina. The distorted area between the two arrows depicted an SRN lesion site in the knockout mutant.