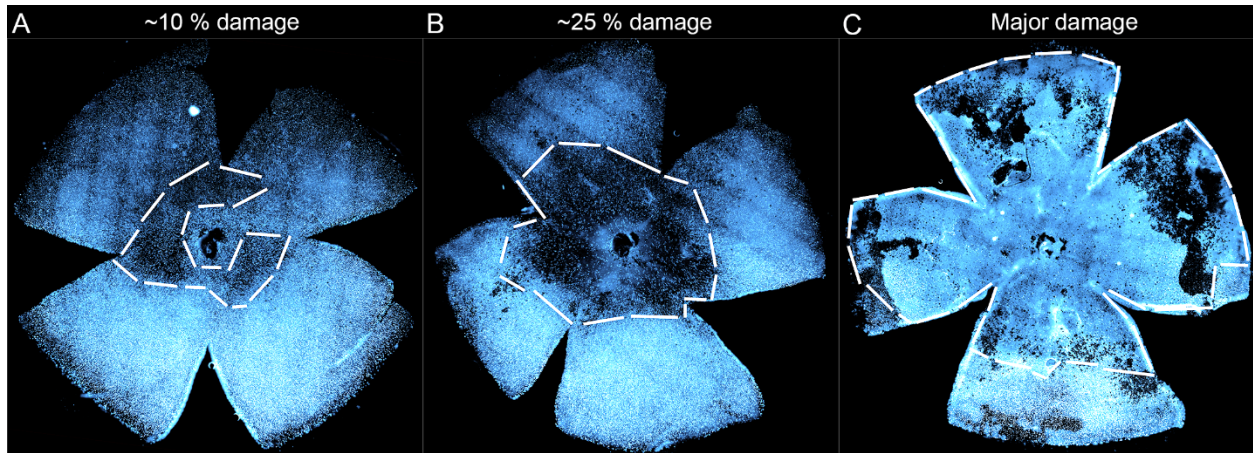# SUPPLEMENTARY MATERIAL

Figure S1. Illustrative sample of the variable extend of light-damage to cones in *Grk1*^{-/-} mice (vehicle-treated group). Representative images of S-opsin stained flat-mounted retinas. (A) A mildly damaged retina. (B) A moderately damaged retina, which represents mean damage extend in vehicle-treated *Grk1*^{-/-} mice. A subset of *Grk1*^{-/-} retinas showed drastic damage to cone population as exemplified in panel C. Note that image is overexposed to highlight decreased cone density.