

Figure S1. AAV-Cd82 transfection in retina, ON and ONH. (a) Immunostaining of AAV tag mCherry shown in retina, ON and ONH in CTR, AAV-Vehicle, AAV-Cd82 groups 28 days after virus injection, n=5 eyes. Scale bar, 50µm. (b) Co-immunofluorescent staining of mCherry (red) with RGC marker Tuj1 (green) in AAV-Cd82 group 28 days after virus injection, n=5 eyes. Scale bar, 50µm.

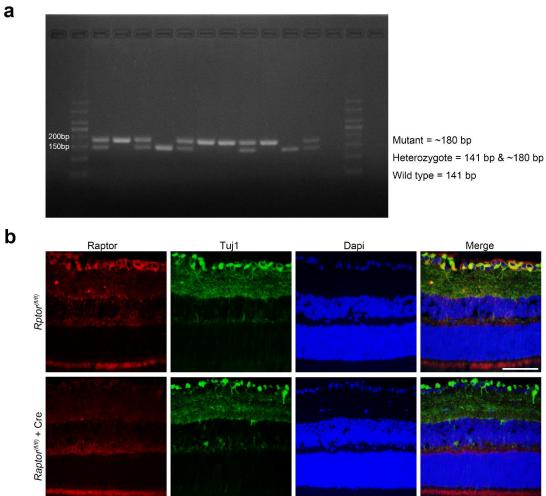


Figure S2. Knockdown of Raptor in *Rptor*^{fl/fl} mouse. (a) Genotyping of wild type, *Rptor*^{fl/+} and Rptor^{fl/fl} mice by agarose gel electrophoresis. (b) Co-immunofluorescent staining of Raptor (red) with RGC marker Tuj1 (green) in retina sections of Rptor^{fl/fl} mice with or without knockdown of Raptor by Cre. Scale bar, 50µm.