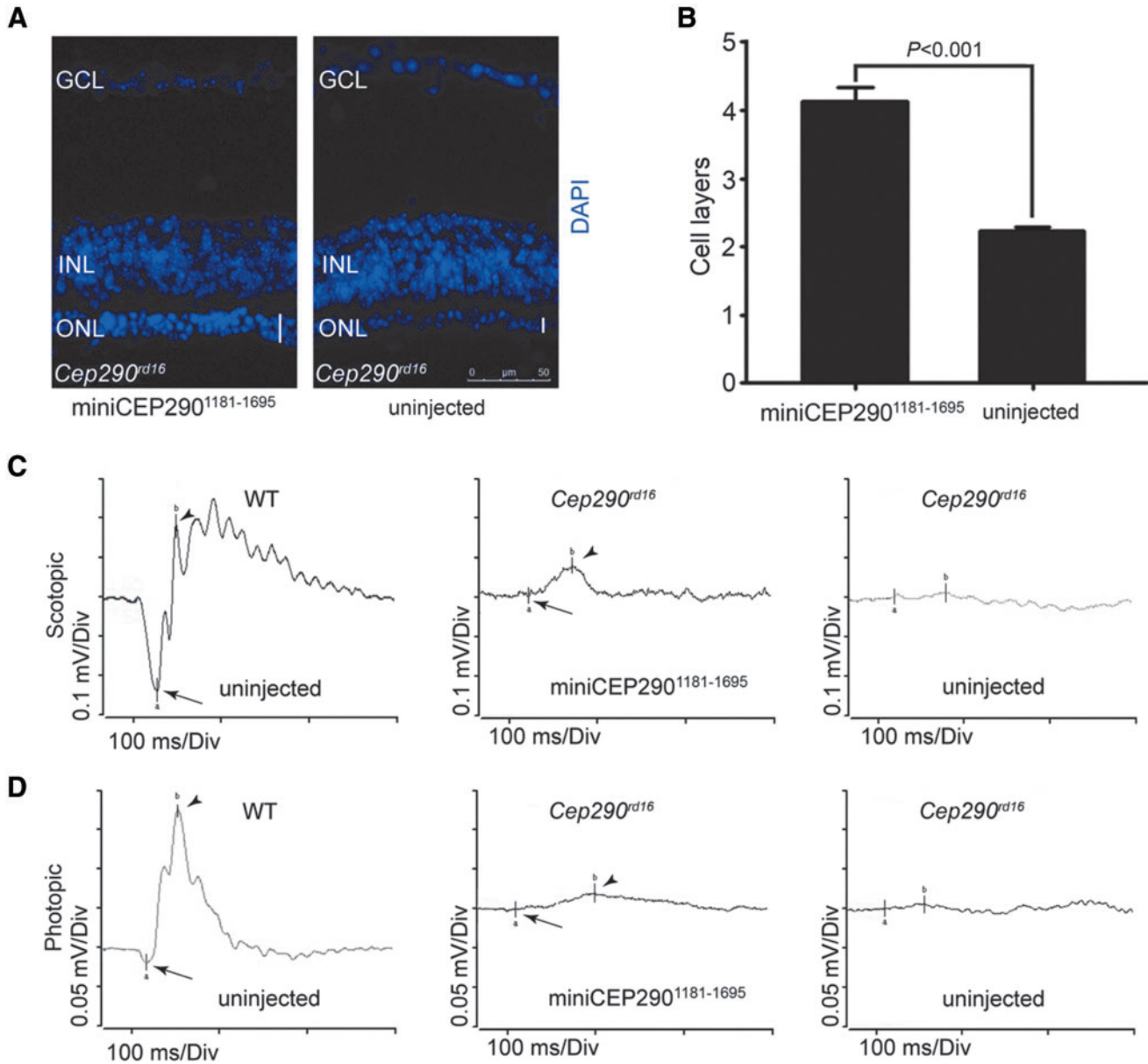


Supplementary Data



Supplementary Figure S1. *In vivo* rescue potential of miniCEP290¹¹⁸¹⁻¹⁶⁹⁵. **(A)** *Cep290rd16* retinas injected with indicated miniCEP290 were stained with DAPI (blue). Age-matched uninjected *Cep290rd16* retinas were used as controls. The ONL is marked with vertical lines. **(B)** Quantification of the ONL thickness by counting the number of layers of the virus infected region of the *Cep290rd16* mice at 3 weeks post injection is represented. **(C and D)** Scotopic **(C)** and photopic **(D)** ERG analysis of the miniCEP290¹¹⁸¹⁻¹⁶⁹⁵ injected retinas showed mild improvement at 3 weeks of age. The ERG a-wave is represented by arrows, while b-wave is depicted using arrowheads.