



Figure S2 ERG traces of *rd1* **mice AAV8-***hOXR1* **treated or mock treated at P1**. (A) Scotopic ERG traces of the *rd1* mice subretinally injected with AAV8-h*OXR1* (upper panel) or mock injected

controls (Lower panel) at P1 were presented at the indicated weeks post-injection (WPI). (B) Photopic ERG traces of the *rd1* mice subretinally injected with AAV8-h*OXR1* (upper panel) or mock injected controls (Lower panel) at P1 were presented at the indicated weeks post-injection (WPI). Arrows denote improvement in the ERG responses in the AAV8-h*OXR1* injected retinas at the indicated WPI.