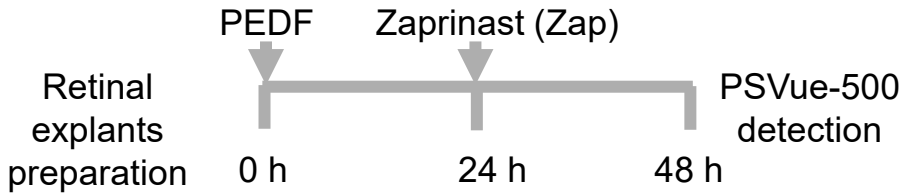
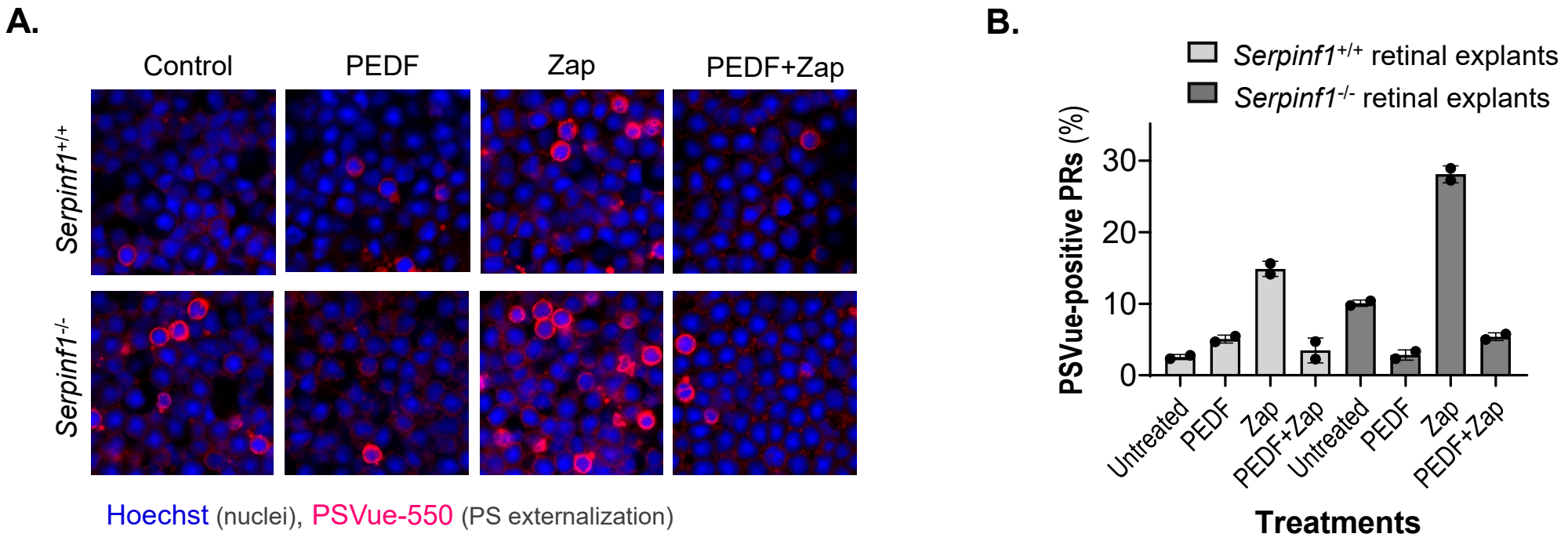
Supplementary Figure S3





Supplementary Figure S3. Ex vivo protection of photoreceptor cells against death induced by Zaprinast. Explants were treated as illustrated at the top. Cell death was followed by phosphatidyl serine externalization using PSVue-550, as described before [12] **A.** Representative images of ROIs each from *Serpinf1*$^{+/+}$ and *Serpinf1*$^{-/-}$ retinal explants under different treatments showing photoreceptors nuclei (Hoechst, blue) and PSVue-550 (red) by confocal super resolution microscopy. **B.** Quantification of PSVue-550 detection normalized to the number of Hoechst-stained nuclei corresponding to photoreceptor (PR), corresponding to a total of 2 ROIs per 2 biological replicates. PEDF protected photoreceptor cells against death induced by Zaprinast ex vivo. *Serpinf1*$^{-/-}$ retinas were more susceptible to retinal degeneration and PEDF treatment decreased the portion of PSVue-positive photoreceptors in both *Serpinf1*$^{+/+}$ and *Serpinf1*$^{-/-}$ retinal explants.