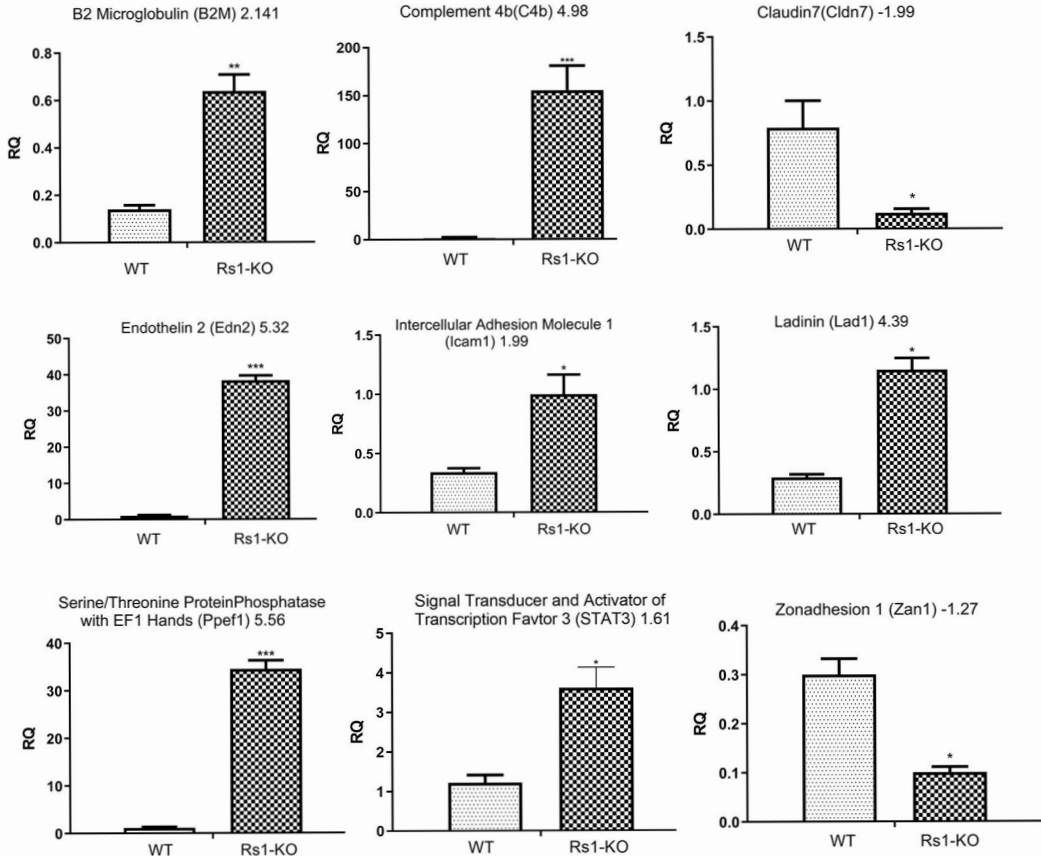


Figure S3. Gene expression changes in P21 *Rs1*-KO retina (qRT-PCR validation)



qRT-PCR confirmation of common RNA-Seq changes between WT and *Rs1*-KO mice retinas. TaqMan mRNA assay reactions were run in triplicate in three independent experiments on the QuantStudio 6 and 7 Flex Real-Time PCR System with TaqMan® probes (Thermo Fisher Scientific). 18s rRNA was amplified as endogenous control (internal reference). The results were expressed as n-fold induction or inhibition in gene expression relative to endogenous control calculated using the  $\Delta\Delta CT$  method. The data was processed using Quant Studio™ 6 and 7 Flex Real-Time PCR System Software. The data expressed as Mean  $\pm$  SEM. Differences between groups were analyzed two-stage step-up method of Benjamini, Krieger and Yekutieli: \*  $p < 0.05$ ; \*\*  $p < 0.001$ ; \*\*\*\*  $p < 0.0001$ .