Supplementary Figure S1: Endosialin and Desmin expression are reduced in \textit{Pdgfrb}^{redeye/redeye} mutants but Pdgfr\textalpha{} expression is unchanged

Due to the lack of a specific pericyte marker, further markers were used to confirm the reduction in pericyte coverage in \textit{Pdgfrb}^{redeye/redeye} mutants. Representative images of P10 retinal vasculature show desmin, a marker for CNS pericytes, is expressed in WT retinae (A-C) but is reduced in \textit{Pdgfrb}^{redeye/redeye} mutants (D-F). Endosialin is a transmembrane glycoprotein expressed in immature pericytes as seen in WT (G-I) but not in \textit{Pdgfrb}^{redeye/redeye} mutants (K-M). Although Pdgfr\textalpha{} is expressed by astrocytes in the WT retina (J), it is able to bind PdgfB but is not upregulated as a consequence of reduced Pdgfr\textbeta{} in the \textit{Pdgfrb}^{redeye/redeye} mutants (N). All scale bars: 100 \textmu{}m.