Supplementary Figure S3: Pericyte density is higher in retinal capillaries compared to cerebral capillaries

MetaMorph software was used for the quantification of pericyte coverage as determined by desmin (pericytes) and IB4 (vessels) staining in the cerebral cortex of WT (A-C) and Pdgfrβ<sup>redeye/</sup>redeye P5 mice (D-F). This shows a statistically significant decrease in pericyte coverage in Homozygous animals (Hom) compared to WT (G). (SRH test P < 0.005, **Mann-Whitney U-test P < 0.005). To confirm that this lower coverage in wildtype cerebral cortex capillaries was not due to differences in staining from using desmin as a marker for pericytes rather than NG2, P5 retinae were also quantified using desmin. There is a statistically significant difference in pericyte coverage of retinal capillaries in P5 Homozygous animals (Hom) compared to WT (G) (SRH test P < 0.001, ***Mann-Whitney U-test P < 0.001).