Supplementary Figure S1. Vascular infiltration of Matrigel plug requires presence of growth factors.  

(A,B) Morphology of plug retrieved from mice injected with 9-cis retinal using normal Matrigel (A) or growth factor-reduced (GFR) Matrigel (B) and stained with Hematoxylin & Eosin.  

(C-E) Morphology of blood vessels obtained from mice injected with 9-cis retinal using normal Matrigel.  

(C) Coronal view of vessel lumen (*) and endothelial cell nuclei (arrows) stained with Hematoxylin & Eosin.  

(D) Immunofluorescence analysis with a primary antibody raised against PECAM-1 (green), an endothelial cell marker, and DAPI (blue) staining of nuclei show lumen (*) of blood vessels within the plug.  

(E) Sagital view of blood vessel showing characteristic biconcave disk shape of erythrocytes (arrows) present within vessel lumen.