



Supplemental Fig. S4. Super enhancers regulate gene expression downstream of VEGFA. (A) HUVEC super enhancers at 1, 4, and 12 hours of VEGFA treatment. AEs were ranked by H3K27ac ChIP-seq signal and nearby enhancers were stitched together using the ROSE algorithm (Whyte et al. 2013) (see methods). Representative SE genes with critical vascular functions are highlighted. (B) Heatmap of DEGs associated with SEs, clustered by temporal expression pattern. Representative genes are listed to the right. (C) Genomic Snapshot of SE genes: MAFK, MAFF and KDR. (D) Venn diagram showing the overlap between SE-associated genes at H0, H1, H4, and H12.