

## SUPPLEMENTARY TABLE

**Supplementary Table 1. Genes used to construct functional gene sets.**

<b>Function</b>	<b>Gene sets</b>
Circadian rhythm	BMAL1, CLOCK, CRY1, CRY2, NR1D1, PER1, PER2, PER3
ECM	ADAMTS5, B2M, COL11A1, COL1A1, COL1A2, COL3A1, COL5A1, COL5A2, COL6A1, COL6A2, COL6A3, DCN, HAPLN1, ITGA5, ITGB1, ITGB3, MMP13, MMP9, PRG4, SDC4, SOX5
Proliferation	BAG1, ESR1, FOXA1, GPR160, MAPT, MLPH, NAT1, PGR
Microvasculature	ACKR2, ACVRL1, ADCY4, AFAP1L1, ARAP3, C1orf54, CALCRL, CASKIN2, CDH5, CLDN5, COL4A3, CTTNBP2NL, DRAM1, EGFL7, EHD4, ELTD1, ENG, ENTPD1, EPAS1, EPHB4, ERG, ESAM, FAM110D, FGD5, GPR116, HBEGF, HILPDA, HSPA12B, ICAM1, ICAM2, KDR, KIFC1, LATS2, LRRK1, MMRN2, MYO1B, NOTCH4, NPNT, NPR3, PALD1, PECAM1, PLTP, PTPRB
Inflammation	IFNG, IFNGR1, IFNGR2, IL10, IL12A, IL12B, IL12RB1, IL12RB2, IL13, IL17A, IL17F, IL18, IL18R1, IL18RAP, IL1A, IL1B, IL2, IL21, IL21R, IL22, IL23A, IL23R, IL2RG, IL4, IL4R, IL5, IL6, JUN, NFKB1, RELA, RORA, RORC, S100A8, S100A9, STAT1, STAT3, STAT4, STAT6, TGFB1, TGFB2, TGFB3, TNF