**Supplemental Data 7:** List of genes and probes selected for real-time qPCR analysis.

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| **Gene Symbol** | **Gene Name** | **Assay ID** |
| ACACA | acetyl-CoA carboxylase alpha | Hs01046047\_m1 |
| ACACB | acetyl-CoA carboxylase beta | Hs01565914\_m1 |
| ACVRL1 | activin A receptor like type 1 | Hs00953798\_m1 |
| ADAMTSL4 | ADAMTS like 4 | Hs00417524\_m1 |
| ADIPOQ | adiponectin, C1Q and collagen domain containing | Hs00605917\_m1 |
| ADIPOR2 | adiponectin receptor 2 | Hs00226105\_m1 |
| AKT2 | AKT serine/threonine kinase 2 | Hs01086099\_m1 |
| ALDH2 | aldehyde dehydrogenase 2 family (mitochondrial) | Hs01007998\_m1 |
| ALDH3A2 | aldehyde dehydrogenase 3 family member A2 | Hs01116403\_m1 |
| ALDH7A1 | aldehyde dehydrogenase 7 family member A1 | Hs00609622\_m1 |
| ANGPT1 | angiopoietin 1 | Hs00919202\_m1 |
| ANXA2 | annexin A2 | Hs01561520\_m1 |
| ANXA6 | annexin A6 | Hs01049082\_m1 |
| ANXA8L1;ANXA8 | annexin A8; annexin A8-like 1 | Hs00179940\_m1 |
| ARNTL | aryl hydrocarbon receptor nuclear translocator like | Hs00154147\_m1 |
| BMP3 | bone morphogenetic protein 3 | Hs00609638\_m1 |
| BMPER | BMP binding endothelial regulator | Hs00403062\_m1 |
| C1QTNF1 | C1q and tumor necrosis factor related protein 1 | Hs00945123\_m1 |
| CALM3 | calmodulin 3 | Hs00270914\_m1 |
| CAPN10 | calpain 10 | Hs01550167\_m1 |
| CAST | calpastatin | Hs00156280\_m1 |
| CCL20 | C-C motif chemokine ligand 20 | Hs00355476\_m1 |
| CCND1 | cyclin D1 | Hs00765553\_m1 |
| CD36 | CD36 molecule | Hs00354519\_m1 |
| CD9 | CD9 molecule | Hs01124022\_m1 |
| CITED2 | Cbp/p300 interacting transactivator with Glu/Asp rich carboxy-terminal domain 2 | Hs00366696\_m1 |
| COL12A1 | collagen type XII alpha 1 chain | Hs00189184\_m1 |
| COL18A1 | collagen type XVIII alpha 1 chain | Hs00181017\_m1 |
| COL4A2 | collagen type IV alpha 2 chain | Hs00300500\_m1 |
| COL6A3 | collagen type VI alpha 3 chain | Hs00915125\_m1 |
| DDR1 | discoidin domain receptor tyrosine kinase 1 | Hs01058430\_m1 |
| ECM1 | extracellular matrix protein 1 | Hs00189435\_m1 |
| ECM2 | extracellular matrix protein 2 | Hs00154821\_m1 |
| FADS1 | fatty acid desaturase 1 | Hs01096545\_m1 |
| FADS2 | fatty acid desaturase 2 | Hs00927433\_m1 |
| FADS5 | stearoyl-CoA desaturase | Hs01682761\_m1 |
| FASN | fatty acid synthase | Hs01005622\_m1 |
| FAT1 | FAT atypical cadherin 1 | Hs00170627\_m1 |
| FGF1 | fibroblast growth factor 1 | Hs01092738\_m1 |
| FOS | Fos proto-oncogene, AP-1 transcription factor subunit | Hs00170630\_m1 |
| FYN | FYN proto-oncogene, Src family tyrosine kinase | Hs00176628\_m1 |
| GNAS | GNAS complex locus | Hs00255603\_m1 |
| HP | haptoglobin | Hs00978377\_m1 |
| IGF1 | insulin like growth factor 1 | Hs01547656\_m1 |
| IL32 | interleukin 32 | Hs00992441\_m1 |
| IL6ST | interleukin 6 signal transducer | Hs00174360\_m1 |
| ILF3 | interleukin enhancer binding factor 3 | Hs01128097\_m1 |
| ITGAV | integrin subunit alpha V | Hs00233808\_m1 |
| LDHB | lactate dehydrogenase B | Hs00929956\_m1 |
| LEP | leptin | Hs00174877\_m1 |
| LEPR;LEPROT | leptin receptor; leptin receptor overlapping transcript | Hs00213886\_m1 |
| LIPE | lipase E, hormone sensitive type | Hs00943410\_m1 |
| LITAF | lipopolysaccharide induced TNF factor | Hs01556090\_m1 |
| LPIN2 | lipin 2 | Hs00206237\_m1 |
| LTBP2 | latent transforming growth factor beta binding protein 2 | Hs00166367\_m1 |
| MKL1 | megakaryoblastic leukemia (translocation) 1 | Hs00252979\_m1 |
| MTHFR | methylenetetrahydrofolate reductase | Hs01114487\_m1 |
| NFATC1 | nuclear factor of activated T-cells 1 | Hs00542675\_m1 |
| NFATC2 | nuclear factor of activated T-cells 2 | Hs00905451\_m1 |
| NFATC4 | nuclear factor of activated T-cells 4 | Hs00190037\_m1 |
| NOTCH4 | notch 4 | Hs00965889\_m1 |
| OPTN | optineurin | Hs00184221\_m1 |
| PCK1 | phosphoenolpyruvate carboxykinase 1 | Hs00159918\_m1 |
| PCK2 | phosphoenolpyruvate carboxykinase 2, mitochondrial | Hs00388934\_m1 |
| PDGFB | platelet derived growth factor subunit B | Hs00966522\_m1 |
| PDK2 | pyruvate dehydrogenase kinase 2 | Hs00176865\_m1 |
| PDK4 | pyruvate dehydrogenase kinase 4 | Hs01037712\_m1 |
| PDP1 | pyruvate dehyrogenase phosphatase catalytic subunit 1 | Hs00372607\_m1 |
| PTEN | phosphatase and tensin homolog | Hs02621230\_s1 |
| PIK3C3 | phosphatidylinositol 3-kinase catalytic subunit type 3 | Hs00176908\_m1 |
| PIK3CD | phosphatidylinositol-4,5-bisphosphate 3-kinase catalytic subunit delta | Hs00192399\_m1 |
| PIK3R1 | phosphoinositide-3-kinase regulatory subunit 1 | Hs00933163\_m1 |
| PLIN1 | perilipin 1 | Hs00160173\_m1 |
| RBP4 | retinol binding protein 4 | Hs00924047\_m1 |
| SERPINB2 | serpin family B member 2 | Hs01010736\_m1 |
| SERPINF1 | serpin family F member 1 | Hs01106937\_m1 |
| SLC2A5 | solute carrier family 2 member 5 | Hs01086390\_m1 |
| SMAD2 | SMAD family member 2 | Hs00998187\_m1 |
| SMAD4 | SMAD family member 4 | Hs00929647\_m1 |
| SMAD6 | SMAD family member 6 | Hs00178579\_m1 |
| SOD2 | superoxide dismutase 2, mitochondrial | Hs00167309\_m1 |
| SPARC | secreted protein acidic and cysteine rich | Hs00234160\_m1 |
| SPP1 | secreted phosphoprotein 1 | Hs00959010\_m1 |
| SREBF1 | sterol regulatory element binding transcription factor 1 | Hs01088691\_m1 |
| TGFB1 | transforming growth factor beta 1 | Hs00998133\_m1 |
| TGFBR2 | transforming growth factor beta receptor 2 | Hs00234253\_m1 |
| TGFBR3 | transforming growth factor beta receptor 3 | Hs00234257\_m1 |
| TNC | tenascin C | Hs01115664\_m1 |
| TNFSF10 | tumor necrosis factor superfamily member 10 | Hs00921974\_m1 |
| TTN | titin | Hs00399225\_m1 |
| VASP | vasodilator-stimulated phosphoprotein | Hs01100128\_m1 |
| VEGFA | vascular endothelial growth factor A | Hs00900055\_m1 |