

2

1

0

-1

-2

z-score

samples

- Fgf2
- Adf1
- Irs1
- Foxk1
- Cmah
- Prox1
- Me1
- Cacna1a
- Prkab1
- Carrn1
- Cams1
- Sirt4
- Uevld
- Insig1
- Crem
- Ddi4
- Iars2
- Insr
- Gch1
- Ppard
- Wars2
- Zbtb7a
- Ceacam1
- Gliul
- Gclm
- Dct
- Adh1
- Gstz
- Cyp2d22
- Acsl2
- Mecr
- Gsch
- Yars2
- Pycr2
- Pex7
- Qrs1
- Pcrl2
- Akt2
- Uros
- Gart
- Mapk14
- Me3
- Qars
- Pfas
- Acads
- Amscr
- Uroc
- Hibadh
- Lars
- Mpst
- Sdhb
- Etfb
- Cs
- Ldh
- Phyl
- Acad11
- Gatb
- Mlycd
- Mtch2
- Dlat
- Hars2
- Fabp4
- Eprs
- Dacr1
- Dacr2
- Dars2
- Hibcb
- Hsd17b4
- Idh3a
- Fads6
- Gmps
- Mirr
- Abai
- Adh10
- Gp11
- Ireb2
- Shmt1
- Sdhaf3
- St3gal1
- Cyp4v3
- Nox4
- Bpgm
- Sicp3
- Ncoa
- Aldh1a1
- Cyp1b1
- Plaa
- Anxa1
- Nupr1
- Dpep1
- Ac3mt
- Nt4a3
- Hacd3
- Ap7a
- Asah4
- Csgalnact1
- Mlap
- Naaa
- Gatm
- Gatm
- Mrs2
- Cad
- Iars
- Cyp4f13
- C3
- Pgd
- Qdpr
- Abcd1
- Qn3
- Edn1
- Tir4
- Lpin1
- Gk
- Pck2
- Fads2
- Brca1
- Lpin3
- Star4
- Vars2
- Tgfb1
- Nos2
- Dalrd3
- Lomp2
- Pex13
- Gls
- Srr
- Aldh3a2
- Sgphs1
- Cps2
- Sgcp1
- Tysd1
- Ugdh
- Ptgs1
- P4hb
- Tnxb
- Cyp27a1
- Lpin2
- Degs1
- Elov5
- Hyal2
- Egln2
- Mid1p1
- Gck
- Acsl6
- Nars
- Pars2
- Prkab2
- Pla2g4a
- Abcg2
- Me2
- Pdk3
- Pdhx
- Ero1l
- Cars
- Tigar
- Tmrd1
- Sars
- Cd44
- Cemp2
- Slc27a4
- Aldh1a2
- Aaca
- Hagh
- Akr1c14
- Il6
- Cav1
- Fabp5
- Ptgs3
- Sardh
- Por
- Elov1
- Tnfrsf1a
- Egln3
- Cd74
- Mapk3
- Dse
- Comt
- Comt
- Ptgis
- Cygb
- Itih5
- Pdpn
- Pdpn
- Nos3
- Ptgs4
- Gusb
- Nos1
- Aldh1a3
- Acaca
- Slc23a2
- Insig2
- Prkd
- Acas3
- Mthf2
- Sct2
- Acsl3
- Gne
- Syk
- Pgk1
- Cbr4
- Ctic
- Slc1a3
- Nlks1
- Ploc3
- Dgat1
- Sgphs2
- Hk2
- Adsl1
- Mif
- Pgam1
- Sdy
- Eno1
- Ptgs2
- Tyms
- Aldoa
- Ldha
- Tpi1
- Pkm
- Stat3
- Dars
- Pldh1
- Aldh18a1
- Pfk1
- Pgam2
- P4ha1
- Grhpr
- Gpd1
- Gars
- Gars
- Gapdh
- Ankd23
- Pdhb
- P2rx7
- Pfkp
- Mtor
- Gpi1
- Pex5
- Got2
- Elo3
- Mpl
- Akr1a1
- Cyp2j6
- Vars
- Mrs36
- Abhd16a
- Lias
- Galk1
- Prx2b
- Ctpe
- Gph
- Haghl
- Rars
- Adipor2
- Gnpat
- Wars
- Shmt2
- Pcyox1
- Mcf2
- Lyp1a1
- Foxk2
- Odc1
- Adss
- Farsa
- Hsd17b12
- Asrg1
- Mthfr
- Sgpl1
- Ogl
- Accl7
- Ddah2
- Fads1
- Acsl5
- Acsl2
- Erlin2
- Esrrb
- Pla2g15
- Atgbl1
- Mthf1
- Daglb
- Hmgcl
- Mars2
- Oat
- Kyat1
- Prkag1
- Abhd5
- Bckdk
- Bckdha
- Kars
- Mgll
- Nr1h2
- Tars
- Adh5
- Hars
- Crot
- Pank2
- Pdxdc1
- Cyb5a
- Gpat4
- Acad9
- Gnpda1
- Glud1
- Adipor1
- Akt1
- Pdk1
- Pgk2
- Pkm1
- Pkm
- Park7
- Acad1a
- Aco2
- Aco1
- Alc
- Myo5a
- Dntr
- Hk1
- Trp53
- Rbp1
- Igf1
- Itih2
- Lipa
- Ap2a1
- Tr2
- Aars
- Lta4h
- Pld2
- Mars
- Aars2
- Cnd3
- Tecr
- Amhd2
- Acas3
- Mgk3
- Mgk2
- Alkbh7
- Tars2
- Lypla2
- Glo1
- Gnpda2
- Ncf1
- Pdx4
- Acy
- Cead
- Mdh2
- Slc37a4
- Srebf1
- Pcx
- Fads3
- Gclc
- Erlin1
- Ntnc2
- Bcat2
- Nagk
- Ogdh
- Jmjd8
- Asnsd1
- C1qtnf9
- Pycr1
- Got1
- Pgds
- Pgla2
- Asns
- Idua
- Ddah1
- Prkaa2
- Mri1
- Scap
- Oxsm
- Hacd1
- Hyat1
- Mag9
- Cpt1b
- Psen1
- St6gal1
- Ears2
- Blmh
- Slc25a17
- Prkaa1
- Aasdhppt
- Zc3h2
- Nucb2
- Cyp39a1
- Kit
- Idnk
- Hlf1a
- Hpgds
- Hpgd
- Acp
- Accl1
- Prkag2
- Ero1b
- Acsl3
- Hdac4
- Pibf1
- Cpt1a
- Gpyd
- Pdk2
- Ncor1
- Adhfe1
- Mecp2
- Pdk4
- Scd4
- Ehnhdh
- Ucp3
- Aldab
- Ndurf6
- Sucia2
- Dld
- Prx2c
- Il15
- Entpd5
- Alox5
- Pm2d1
- Zc3h1
- Etlbkt
- Ppargc1a
- Accl2
- Zbtb20
- Gstm7
- Mpc1
- Mtr
- Idh3b
- Sppa8
- Fabp3
- Aldh6a1
- Etdh
- Decr1
- Acadm
- Aldh4a1
- Aldh5a1
- Lpl
- Nccc1
- Ac3mt
- Mmut
- Acadl
- Acadlb
- Acsl4
- Bckdthb
- Kyat3
- Fasn
- Adipoc
- Pck1
- Scd1
- Prkar2b
- Cdo1
- Sirt1
- Sucd1
- Idh1
- N6amt1
- Ptgs8
- Slc27a12
- Echdc2
- Echdc3
- Ppara
- Acsl1
- Cammt1
- Ndufab1
- Rars2
- Prodh
- Farsb
- Pparg
- Mthf21
- Lipe
- Ok
- Echdc1
- Pim1
- Abcd3
- Tars2
- Pla2g5
- Gcdh
- Lgfb
- Pccb
- Fh1
- Irs2
- Pdha1
- Mccc2
- Accl1
- Ephx2
- Ecl2
- Ecl1
- Hadhb
- Echs1
- Hadh
- Acadv1
- Hadha
- Slc27a1
- Cars2
- Lpin5
- Cpl2
- Sucig2
- Dbi
- Acsl1
- App12
- Npc1
- Ces1d
- Ela
- Sdha
- Idh2
- Ech1
- Ivd
- Acad2
- Aldh12
- Dglucy
- Crat
- Abhd10
- Acacb
- Alg1
- Nfe2l1
- Aasdh
- Gpam
- Sars2
- Gpl
- Egln1
- Tecr1
- Idh3q
- Fars2
- Abcd1
- Egf
- Ppat
- Gpft2
- Fgfr1
- Nr1h3
- Nr1d1
- Cbfa2t3
- Lars2
- Cyp26b1