

2

1

0

-1

-2

z-score

- Xdh
- Fmo2
- Hmox1
- G6pdx
- Txnrd3
- Aldh18a1
- Hr
- Phf8
- Fads1
- Txnrd1
- Aldh1b1
- Acad11
- Dct
- Nsdhl
- Dus4l
- Aldh3a2
- Nnt
- Nnt
- Hadha
- Sod1
- Etfdh
- Kdm5a
- Sdr42e1
- Aox1
- Fmo5
- Hsd17b11
- Retsat
- Zadhl2
- Cyp4b1
- H6pd
- Hsd2
- Kdm7a
- Acadl
- Dpyd
- Dus3l
- Decr1
- Cybb
- Pdia3
- Mthfr
- Pcbd2
- Mmachc
- Alkbh6
- Hmgcr
- Rfescd
- Rtn4p1
- Asph
- Uovld
- Ndufa12
- Cyp5l
- Nxn
- Rdh5
- Kdm4c
- Kdm3a
- Cyp2d22
- Vkorc1l1
- Tmx3
- Kdm6a
- Cryz1l
- F8
- Cpox
- Jmjd1c
- Jmjd1c
- Tecr
- Dhodh
- Scqpdh
- Sesn1
- Vcam1
- Degs1
- Ero1lb
- Mthfd2l
- Pyroxd1
- Dus1l
- Crx1
- Ctpb1
- Impdh2
- Sdr39u1
- Ldha
- Rrm1
- Ccil
- Dld
- Idh3b
- Akr1e1
- Dnajc10
- Ndufa2
- Cbr1
- Alfr1
- Park7
- Dcxr
- Alkbh7
- Pycr1
- Ndufa5
- Cybs
- Cbr2
- Oxrad1
- Mthfd1
- Prdx1
- Prdx2
- Txnrd17
- Gmpr
- Nduf7
- Bckdha
- Cox8b
- Ndufa7
- P4hlm
- Pecr
- Uqcrl1
- Cox4l1-ps
- Ndufb1
- Acadm
- Dhrs7
- Sdhb
- Foxrd1
- Sdhc
- Mdh1
- Uqcrls1
- Ndufs3
- Ndufs3
- Ndufc2
- Ndufa4
- Uqcrl0
- Prdx4
- Kdm1b
- Cox7c
- Cox7a2
- Ndufs4
- Ndufa5
- Ndufb8
- Ndufa10
- Cox5a
- Sdhb
- Prdx5
- Dlat
- Glud1
- Fdx1
- Spr
- Ndufa9
- Sod2
- Hsd17b12
- Sc5d
- Sumf1
- Uqcrlh
- Cox8a
- Glix5
- Ndufv2
- Adh5
- Gpx4
- Sdhaf4
- Coq6
- Surf1
- Idh1
- Msrh2
- Hibadh
- Cox7a1
- Pgk1
- Txnrd2
- Ppox
- Cyba
- Cox6a1
- Cox5b
- Ogld2
- Chchd4
- Acadvl
- Qdpr
- Ndufb7
- Aldh16a1
- Msmo1
- Ndufa13
- Impdh1
- Agps
- Mgst3
- Hadh
- Akr7a5
- Prx2b
- Dus2
- Aldh7a1
- Gpd2
- Uqcrl
- Fxn
- Gphn
- Eglh2
- Ciapin1
- Cox10
- Dhrs11
- Dbh
- 4833439L19Rik
- Msrh
- Ero1l
- Msrh3
- Pldl1
- Jmjd6
- Selenow
- Nqo1
- Eglh3
- Nos2
- Srd5a3
- Dhrs7b
- Dhrs7c
- Hsd3b7
- Alkbh5
- Ncf2
- Dhrs4
- Tet3
- Kdm6b
- Dhcr7
- Mical3
- Mecr
- Flo
- Ogdlh
- Gsr
- Mical1
- Ndufa4l2
- Pldl3
- Kdm5b
- Tet1
- Cyp2u1
- Cyp2u1
- Srxn1
- Kdm5c
- Acaa1a
- Nos3
- Hif1an
- Btlrb2
- Nubp2
- Dohn
- Acad10
- Ccs
- Glix15
- Hox2
- Glix
- Gpdl3
- Gfex
- Aldh5a1
- Tala3
- CAA01118383.1
- Ecal
- Cqrl7
- Mdh2
- Ldhb
- Kdm2a
- Sod3
- Cyb56l
- Ogdlh
- Ywhag
- Phf2
- Selenon
- Aldh1a2
- Loxl2
- Gstl2
- Kdm4a
- Ywhab
- Pxdn
- Cyp4f13
- Vat1
- Kdsr
- Pgd
- Mpr36
- Sh3bgr3
- Hpgd
- Ywhaq
- Cyp2j9
- Cyp20a1
- Gpx3
- Akr1c14
- Cat
- Ugdlh
- Riox2
- Hdph
- Txnrd12
- Akr1a1
- Cyb56l3a3
- Typh3
- Steap4
- P3h1
- Loxl1
- Gsto1
- Rdh11
- Bdh1
- Pldl2
- Cyb5r1
- Aldh1a1
- Sardh
- Qsox1
- Cygb
- Ifi30
- Fdxr
- Gmpr2
- Gpdlb
- Msrh1
- Cox7a2l
- Me2
- Lox
- Cyp2j6
- Dio2
- Agmo
- P3h2
- Loxl3
- Gpx8
- Cyp1b1
- Nox4
- Pam
- Cyp27a1
- Cyp4v3
- Aoc3
- Fmo1
- Cyb5r3
- Vkorc1
- Tecr
- P4ha1
- P4ha2
- Mical2
- Glyr1
- Kdm1a
- Wwox
- Pigs1
- Cox4l2
- Pnpo
- Decr2
- Blvra
- Cbr4
- Alkbh3
- Rnls
- Marc2
- Pdpr
- Rsad1
- Hsd17b4
- Htalp2
- Idh3a
- Cryd2
- Pdpx
- Ndufa8
- Dhrs1
- Prdx6
- Akr1b10
- Acad9
- Eth1
- Akr1b3
- Ddo
- Pfr
- Piges2
- Ncf1
- Gpx1
- Tmem173
- Pigs1
- Pycr2
- Cyp39a1
- Far1
- Nos2
- Cyp4f16
- Rdh10
- Ogld1
- Apex1
- Fads2
- Gldf1
- Cyb5r4
- Ghrpr
- Gpdl1
- Phyh
- Ado
- Ado
- Jmjd4
- Alkbh1
- Suox
- Kdm4b
- Smox
- Maob
- Idh3g
- Cox5a2
- Ndufb4
- Pcyox1
- Glix3
- Pdxr3
- Soxr
- Oxrl
- Cox7b
- Gstl1
- Ldh2
- Sesn3
- Mtr
- Acad5
- Etha
- Algh12
- Sord
- Tmx1
- Gstm7
- Ivd
- Idh2
- Selenbp1
- Aldh8a1
- Acad5b
- Ethb
- Gdth
- Aldh4a1
- Ndufv1
- Gstk1
- Alkbh8
- Hsd17b10
- Acad12
- L2hgdh
- Ndufs2
- Nqo2
- Bckdhb
- Acox1
- Pdia6
- Hadhb
- Fth1
- Eglh1
- Dhth
- Gstp1
- Gstp1
- Rdh14
- Aldh2
- Selenot
- Acad8
- Sdha
- Ndufs1
- Pdia1
- Rsbh1
- Aldh9a1
- Phyh1
- Por
- Fasn
- Alox5
- Ehhadh
- Scd4
- Mgst1
- Tet2
- Cp
- Fads3
- Ogld3
- Hsd17b7
- Dhtkd1
- Cmah
- Scd2
- Dhrs3
- Rrm2b
- Prodh
- Cyb5r1
- Qsox2
- P4hb
- Adhfe1
- Cyb5a
- Scd1
- Snc
- Hbb-bt
- Hba-a2
- Hbb-bs
- Hba-a1
- Adl1
- Cyp26b1
- Me3
- Ctp2
- Suclg2
- Tmih
- Rp1
- Cox6c
- Glix2
- Ywhae
- Me1
- D2hgdh
- Tx2
- Hsd11b1

samples