

419 differential methylation genes (mean methylation difference between group \geq 25%) in liver fibros

AACS
ABCD3
ABLIM2
ACADS
ACSL1
ACTN1
ACVR1
ADAM11
ADAP1
ADORA2B
ADRA2A
AGBL3
AGFG1
AGTPBP1
AHNAK
AKAP6
ALAS1
ALPK1
ANKRD6
ANO10
ANXA11
ANXA5
APOD
ARF6
ARHGAP21
ARHGAP29
ARHGEF1
ARHGEF28
ARID1B
ASAP1
ATF7IP
ATP2A3
ATXN7L1
B4GALT2
BACH2
BAG3
BAHCC1
BCAM
BCAR1
BCL2L1
BLM
BRD7
BRWD1
BTD
CAB39
CABP7
CALM1
CAPN8
CAPZB

CASP8
CASZ1
CCDC68
CD69
CDC42BPB
CDC42BPG
CDH3
CDK8
CDKAL1
CECR2
CEP152
CERS2
CFAP58
CGN
CHD1
CHD2
CHGA
CLVS1
COL18A1
COQ2
CPD
CPN2
CPS1
CRADD
CTBP1
CTNBL1
CTSE
CWC27
CXCR4
CXXC5
CYB5A
CYP1A2
CYP27A1
CYP2E1
CYP7A1
DAPK1
DDIT4
DEF8
DENND4C
DEPTOR
DES
DNA2
DOCK7
DPYD
DSTYK
DTD1
DUPD1
DUSP9
DYM
ECE1

EDEM1
EGFL7
EIF4G3
ELK4
EMID1
ENG
ENPP2
EPHA2
EPHB2
ERCC4
ESRRG
EXOC3L4
FABP2
FAM102A
FAM129A
FAM133B
FAM213A
FAM220A
FAM53A
FAR1
FAR2
FARSB
FBXO22
FBXW4
FERMT2
FEZ2
FGD2
FGD5
FGF21
FGFR3
FGL1
FHAD1
FHL3
FKBP5
FMNL2
FOSL2
FOXA2
FOXN3
FOXO3
FOXR1
FTCD
FTH1
FTO
FZD10
GADD45G
GAL3ST2
GAL3ST4
GALNT6
GAS2
GDE1

GDF10
GEMIN8
GFOD1
GHR
GJB1
GLIS1
GNPTAB
GPR153
GPR156
GPR160
GREB1
GRHL2
GSTA3
GTF2I
H1FOO
HES1
HEY1
HIP1R
HIVEP2
HMCES
HMCN1
HMGA2
HMGN3
HOMER2
HPGD
HSD17B3
HTR3B
HTT
IER2
IER5
IFFO1
IQCG
IQSEC1
IRF2BP2
IRS1
IRS2
JAK2
JUN
KANK1
KCNAB2
KCNE2
KCNG1
KCNH1
KCNN4
KCTD15
KIF13B
KIF21B
KLF12
KLF6
KLHDC7B

KLHL32
LAMA3
LDLR
DLRAD3
LENEP
LIF
LIN7A
LIPC
LMTK2
LPP
LRP5
LRRFIP1
LYN
LYPD3
LYPD4
MAG1
MAML3
MAP4K3
MAP4K5
MBD2
MBNL2
MBP
MC2R
MCL1
MCUR1
MEIS2
MFNG
MGAT5
MGAT5B
MID1IP1
MIR148A
MLXIP
MLXIPL
MMP14
MORF4L1
MRO
MSH3
MTHFD1
MVP
MYH14
MYH7B
MYH9
MYO18A
MYO5C
NAMPT
NAV2
NBL1
NCEH1
NCOR2
NDUFA4

NEAT1
NEDD4
NEDD4L
NEK1
NEU3
NFE2L2
NFE2L3
NLN
NPC2
NR1D1
NR2F2
NR5A2
NT5E
NUDT4
NUMB
NXPH4
OCIAD2
OCSTAMP
ODC1
OGT
PABPC1
PABPC4
PAPSS2
PARD6B
PARN
PARP11
PCSK6
PDE4D
PDE4DIP
PDE6B
PDHX
PDLIM7
PDZD8
PEG10
PEMT
PHOSPHO1
PHYH
PID1
PIK3R1
PIK3R3
PKNOX1
PLEKHF2
PLVAP
PLXND1
PODXL
PPM1L
PPP1R18
PPP2R5C
PRDM1
PRDM6

PREP
PRKCE
PRSS8
PRTG
PSME4
PTCH1
PTGER3
PTGES
PTK2B
PTPN5
PTPRF
PTTG1IP
R3HDM2
RAB44
RAD51B
RAF1
RANBP9
RAP2B
RAPGEF4
RBM38
RCN3
RERE
RESP18
RIMS3
RIN3
RMDN2
ROR1
RPL9
RPS6KC1
RYBP
S100A2
SALL3
SBNO2
SDCCAG8
SGCZ
SGPP2
SH3PXD2A
SH3YL1
SIK3
SIPA1L2
SKI
SLC16A10
SLC16A9
SLC23A2
SLC25A21
SLC25A25
SLC25A43
SLC2A1
SLC39A11
SLC39A13

SLC39A14
SLC44A2
SLC45A1
SLC6A6
SLC6A8
SLC7A10
SLC9B2
SMCHD1
SMIM3
SMYD2
SMYD3
SNX24
SOX7
SP3
SPC25
SPHK2
SPI1
SPINK2
SPNS2
SPNS3
SPP2
SPRED2
SREBF1
SRPK1
ST3GAL2
ST6GALNAC3
STARD13
SUMF1
TACC2
TAOK3
TBX3
TCEA3
TCEANC2
TEAD4
TMEM120B
TMEM121
TMEM209
TMSB4X
TNFAIP8
TNRC6C
TPP2
TRIM2
TRIM26
TRIM56
TSPAN5
UACA
UAP1
UBE2L6
UCK1
UMPS

USP43
USP6NL
VGLL4
VMP1
VSTM2L
VWA1
WHAMM
WNT10B
WNT5A
XPO7
ZBTB16
ZC3H12A
ZFAND5
ZFP36L2
ZFPM1
ZHX2
ZKSCAN1
ZMIZ1
ZMYND11
CSE1L

is were found in TCGA database.

34 differen

- AGFG1
- ARHGEF1
- BCL2L1
- CDK8
- CXCR4
- EPHA2
- FGFR3
- HMGA2
- IRS2
- JAK2
- JUN
- KLF6
- MCL1
- MFNG
- MIR107
- NEAT1
- NEDD4
- PIK3R1
- PRDM6
- PRKCE
- PTCH1
- PTK2B
- PTTG1IP
- RAF1
- RERE
- RHOC
- SKI
- SPI1
- SREBF1
- TBX3
- WNT10B
- WNT5A
- WNT5A
- ZBTB16

tial methylation genes (mean methylation difference between group $\geq 25\%$) in liver fibrosis were thoug

ght to be oncogenes in ONGene database.