ML Top 100 & Bottom 100 Spearman rank correlation heatmap

age

GFAP
S100A1
CD74
PTGDS
SNAP25
DKK3
FTL
LAMP5
ARHGAP36
BAIAP3
AQP1
YWHAH
HLA−DRA
NCDN
S100A13
HLA−DPA1
FTH1
ATP1A1
CALM2
PLP1
BEX1
AK5
EBXO2
ENO2
QDPR
PCSK1N
ATP2B4
PSAP
SEPTIN4
DBNDD2
SNRPN
HLA−DRB1
SLC24A2
ZNF483
CCK
BHLHE41
S100B
ATP1A2
BMERB1
RSPO2
HHATL
VSNL1
GSN
COPS9
MAPK3
ISCU
ATP6V1E1
KCNK1
NAPB
PEX5L
MAOB
CHGB
RTN3
HLA−DQB1
PLEKHB1
RHBDD2
SNCG
TMEM130
MAST3
TMSB10
CHN1
S100A6
MBP
DMTN
PCSK2
PEG3
MRTFB
C1QL2
PPP1R14A
PNMA2
TPPP3
B4GAT1
GABARAPL1
SUN2
IFI
ADIRF
GSTO1
PNMA8A
SLC7A14
BCL2
HLA−DPB1
WBP2
CYFIP2
TMEM35A
TNNT1
SOWAHA
PLEKHA2
APP
MAP2K1
PADI2
NUPR1
ATP6V1G2
GAPDH
TPD52
PREPL
MFSD4A
STXBP1
SLIRP
CAMKK1
PHYHIP
NRARP
NCALD
NCAN
FZD8
SLC16A1
SLC5A5
ACTG1
CCN1
RRAD
APOLD1
VEGFA
HAPLN1
ATP1A2
COL1A1
DMRTA2
TPT1
YBX1
CLIC6
NID1
MT−CO2
MT−ND1
COL3A1
ZFP36L2
NPNT
EGR1
PTPRZ1
ZFP36L1
NNAT
RGS16
HES1
DCX
RPL13A
IGFBP2
TNC
PDGFRA
HBG1
BHLHE22
LINC00632
CXCL2
PRAP1
TUBB2B
SERPINH1
ECRG4
EFEMP1
CSPG5
NR4A1
WFIKKN2
MT−ND4L
BCAN
SLC13A4
RPLP1
SLC1A3
SERPINF1
EEF1A1
AL355075.4
HSPA6
MT−ATP8
WIF1
MT−ND2
HBA1
IGFBP7
HBG2
HES5
CPE
POSTN
RPS2
ARC
DIO2
HSPB1
MT−ND5
GPM6A
GLUL
FOS
APOE
FOLR1
HBB
HBA2
C5orf63
TTR
SOX4
SLC1A2
MT−ATP6
MT−CO3
MT−ND3
DNAJB1
MTRNR2L8
MT−CO1
C1orf61
HPCA
MT−CYB
HSPA1B
HSP90AA1
MTRNR2L12
HSPA1A
MALAT1
AL627171.2
CST3
MT−ND4
PTN

z−score
4
2
0
−2
−4

age
Infant
Teen
Adult
Elderly

CA3&4 Top 100 & Bottom 100 Spearman rank correlation heatmap

age

GFAP
CCK
CD74
PTGDS
MBP
S100A1
AQP1
HLA−DRA
HLA−DPA1
PLP1
CLU
BAIAP3
SNAP25
HHATL
SNCG
FBXO2
SNORC
PLEKHB1
HLA−DPB1
ATP1A1
ETL
PHYHIP
GSN
DKK3
ARHGAP36
PADI2
TPPP3
C1QB
NUPR1
GPRC5B
KCNAB2
TF
SPARC
TMEM130
CTSH
HLA−DRB1
SUN2
APLNR
NAPB
PSAP
BHLHE41
NAT8L
NCDN
S100B
RHBDD2
S100A13
QDPR
MAST3
SPP1
GAPDH
TMSB10
ALDOC
CAPNS1
DTNBP1
PPP1R14A
ADIRF
KIF5A
BTBD3
FAM107A
ATP6V1E1
SEPTIN4
RSPO2
MT1G
AEBP1
HLA−DQB1
C3
CKB
GALNT15
ITGB4
HSPB8
APP
ITPKB
TJP2
HAMP
C1QC
CARNS1
WBP2
GJA1
SELENOP
TYROBP
CALM1
MTURN
EPDR1
SLC17A7
ENO2
YWHAH
C1QA
APOD
PEX5L
SIRPA
PFKP
PRKAR1B
CNDP1
SEMA3B
USH1C
MAL
ERMN
TMEM144
CSF1R
FOXO6
DUSP4
FAM241A
FABP5
NAV3
HAPLN1
PDGFRA
HTR2C
HS3ST2
ADGRG1
NECTIN1
SOX4
SMPD3
VEGFA
LRRC3B
MEG3
CELF4
BHLHE22
IMEFF1
RPLP1
MIF
RPL12
RPL41
CAMK2B
ECRG4
RPS24
HS3ST4
TUBB3
ELAVL3
KCNG1
IGFBP7
MTRNR2L12
GNAO1
CXADR
NPAS4
MLLT11
OLFM2
KLF10
NPNT
ITR
ARC
RPS18
COL25A1
HSPA6
CSDC2
DUSP5
GRM3
HSPB1
VAMP2
EGR1
C5orf63
FABP7
NTS
TUBA1B
NR4A1
RPS2
BASP1
SERPINF1
ATP1A3
NPTXR
YWHAB
CDKN1C
RGCC
EEF1A1
SLC1A3
CXCL14
EGR4
GFUL
DNAJB1
CSPG5
MALAT1
NREP
C9orf16
CNIH2
PLPPR2
YBX1
CPE
LYPD1
GDA
HSPA8
APC
C1orf61
TFRC
SLC1A2
GPM6A
FOS
TUBB2A
HSPA1B
TUBB2B
TUBA1A
CST3
HSPA1A
STMN2
DIO2
PTN
AL627171.2
CARTPT
WIF1
HPCA

z−score
4
2
0
−2
−4

age
Infant
Teen
Adult
Elderly

SGZ Top 100 & Bottom 100 Spearman rank correlation heatmap

age

GFAP
CD74
PTGDS
S100A1
S100B
AQP1
MBP
SPARC
HLA−DRA
ETV5
FAM107A
EBXO2
PLEKHB1
TPPP3
ADIRF
UHATL
HLA−DPA1
SNORC
HLA−DRB1
GSN
PADI2
PRDX6
CLU
S100A13
PSAP
PLP1
GJA1
C1QB
HLA−DPB1
GPRC5B
QDPR
HLA−DQB1
NUPR1
ETV1
CTSH
CD81
SEPTIN4
HSPB8
CCK
AEBP1
DKK3
APLNR
TJP2
ENO1
C3
ALDH2
CD99
DBNDD2
MT1X
STOM
PPP1R14A
TSC22D4
ALDOA
LINC00844
PFKFB2
CSF1R
TF
SEMA3B
HLA−DRB5
MGST1
PAQR6
METRN
AQP4
PMP2
BHLHE41
APOD
RNASE1
SDC4
CX3CR1
GALNT15
MT1E
C1QC
NCDN
SELENOM
BAIAP3
MT2A
CSRP1
SELENOP
MAL
SUN2
CAPNS1
EFEMP1
SNAP25
MT1G
C1QA
TYROBP
AGT
TMEM130
MAOB
S100A6
IFI27L2
ATP1A1
ITGB4
EGFL7
SPP1
RHBDD2
PCSK1N
PNMA8A
PLAAT3
NECTIN1
MAN1A2
HSPH1
TUBB3
WNT7B
TUBA1B
RPS2
CCN2
NPNT
NRARP
NPTXR
FABP5
LYPD1
C9orf16
NID1
PTHLH
FBLN1
GADD45B
TSKU
NNAT
TRIB1
VEGFA
TPT1
ATP1A3
PLPPR2
ZFP36
SLC13A5
PTMA
CLIC6
LRRC3B
BCAN
EEF1A1
F2R
CXCL14
EGR3
IGFBP7
SOX11
ACTG1
HBG2
DCX
GPR17
YWHAE
SERTAD1
HAPLN1
MLLT11
EGR4
AC008080.4
OLFM2
HS3ST2
EGR1
KLF10
PDGFRA
DMRTA2
C11orf96
GLUL
SERPINH1
ECRG4
HES5
LINC00632
CPE
CSPG5
SLC13A4
FABP7
HSPB1
BASP1
EGLR1
EGS
NREP
SERPINF1
AL355075.4
MALAT1
ARC
HSPA6
CST3
HSPA8
SOX4
C1orf61
CARTPT
APC
C5orf63
TTR
DIO2
HSP90AA1
DNAJB1
SLC1A2
HSPA1B
HPCA
STMN2
GPM6A
TUBA1A
HSPA1A
TUBB2B
TUBB2A
WIF1
PTN
AL627171.2

z−score
4
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age
Infant
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Elderly

GCL Top 100 & Bottom 100 Spearman rank correlation heatmap

age

LAMP5
BAIAP3
ARHGAP36
SNAP25
DKK3
CD74
S100A1
YWHAH
RSPO2
AK5
BHLHE41
ETH1
PREPL
VWA5A
CHN1
PEAT5
ATP2B4
C1QL2
C1QTNF9B
PPEIA2
ZNF483
PEX5L
PEG3
MAPK3
RHBDD2
SCART1
ISCU
PSAP
GFAP
SV2B
HLA−DRA
ARNT2
EBXO2
TMEM155
MIPEP
PTH2R
MLXIPL
PNMA2
ACOT1
LINC02607
STXBP6
PCSK1N
ALDOA
NOXA1
PRMT7
ATP1A1
RTN3
DDO
BMERB1
SNRPN
EPDR1
KCNK1
ENO2
VSNL1
CHRNA1
HLA−DPB1
VXN
GPR83
CCK
PTGDS
PCSK2
CYFIP2
ATP5IF1
DNASE1L1
MXRA7
SYT1
ATP6V1E1
HLA−DPA1
PPP1
RPRML
PJA2
AKAP5
SLC24A2
BEX1
CA10
NCKIPSD
DNAJC12
DGKG
HLA−DRB1
METTL7B
MAGEE1
TCEAL6
MGST1
PRKACB
PIN1
PCBD1
PCDH7
MAOB
PEBP1
ABTB1
TMEM35A
SORT1
FAM210B
IFIT1
HLA−DQB1
AQP1
APP
RPLP0
TMBIM6
C5orf63
NCAN
HSPH1
MT−ND4
NR4A1
CHST1
NDRG4
HBB
MARCKS
HBA1
CDKN1A
EGR1
ELAVL3
PABPC1
NSMF
RRAD
HS3ST2
HES5
UBG1
EGR2
DPYSL5
CHD3
MTRNR2L12
EEF1A1
IGFBP7
SLC24A3
FBLN1
HSPB1
JUNB
ENBP1L
SLC13A4
YBX1
YWHAE
C9orf16
C11orf96
NPAS4
CPE
HSPA6
SLC1A3
DIO2
HSPA1A
GLUL
TPT1
LIPG
HSPA1B
SERPINF1
PDYN
CD24
GPM6A
DCX
HBG2
SOX11
SDC3
SEMA3E
PTMS
CSDC2
CAMK2B
ARC
FOLR1
DSEL
CPLX2
SLC1A2
EEF2
C1orf61
TUBB2A
TUBB2B
APOE
MARCKSL1
MALAT1
ITM2B
DNAJB1
WIF1
AL627171.2
FOS
COL25A1
CARTPT
CNIH2
NCALD
RPS2
STMN2
POSTN
DCLK1
NEUROD2
SOX4
PTMA
CST3
PLPPR2
NREP
PTN
HSP90AA1
BHLHE22
TUBA1A
NNAT
NPTXR
HPCA

z−score
4
2
0
−2
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age
Infant
Teen
Adult
Elderly