

Table S4 Shared up- and down-regulated genes  
in RNA-Seq and micro-array datasets

PBER > FLER & adult CD34+_EPO > fetal CD34+_EPO	PBER < FLER & adult CD34+_EPO < fetal CD34+_EPO
A4GALT	AASDHPPT
AASS	ABAT
ABCA5	ABT1
ABL1	ACAA1
ABTB1	ACAA2
ACADS	ACADM
ACAP1	ACLY
ACHE	ACO1
ACP5	ACO2
ACSBG1	ACOT7
ACSL1	ACOT9
ACSL5	ACTB
AKAP9	ACTG1
AKR1C2	ACVR1B
AKR1C3	ACY1
AKTIP	ADCY7
ALDH1A1	ADPGK
ANKRD9	ADSL
ANO5	AHCY
ANPEP	AHNAK
APOL3	AK2
AQP1	AK7
AQP3	AKAP2
ARRB2	AKIRIN1
ASAP1	AKR1B1
ATP7B	ALDH16A1
BCL11A	ALDH1B1
BMPR2	ALDH2
BSPRY	ALG1
C12orf57	ALG14
C2orf69	ALKBH1
C5orf42	ALKBH2
C6orf223	ALKBH3
C9orf16	ALOX12
C9orf72	ALS2
CA1	AMOT
CA3	AMOTL1
CAPRIN2	ANAPC13
CAPS2	ANAPC5
CASC5	ANKRD39
CBX4	ANXA1
CBX7	ANXA11
CCDC14	APOBEC3C
CCRL2	APPL1
CCS	ARF6
CD36	ARG1
CD44	ARHGAP15
CD47	ARID3A
CD70	ARMC6
CDYL2	ARMCX1
CHST12	ARMCX3
CHST2	ASL
CLCN2	ATAD3A
CLCN3	ATP5B
CNNM2	ATP5C1
CNNM3	ATP5F1
CPEB1	ATP5G1
CPNE8	ATP5J2
CREB3L1	ATP5SL
CTSE	ATP6V1G1
CXorf57	ATXN10
DAAM1	AVEN
DDHD1	B9D1
DENND2D	BAG2
DGKA	BAIAP2
DLEU2	BCAT1
DNAJB4	BCCIP
DYRK3	BICD2
EGFL8	BIN2

EIF1B	BOP1
EMID1	BZW2
ENG	C10orf32
EPDR1	C11orf48
EPHX1	C11orf49
ERAP2	C12orf45
ESPN	C14orf2
ETS2	C19orf48
FAM134C	C1orf116
FAM160B1	C1orf159
FAM193B	C1QBP
FAM19A2	C21orf33
FAM65A	C6orf211
FAM73A	CACHD1
FAS	CALM1
FBXL20	CAMK1
FBXO3	CAMLG
FCGR2B	CAP1
FCGRT	CARD9
FGD4	CBFB
FKBP1B	CCDC23
FOXO1	CCDC43
FZD1	CCDC50
FZD5	CCDC86
FZD6	CCNJ
GAD1	CCR7
GAS2L3	CCT2
GCH1	CCT3
GCNT1	CCT4
GCNT2	CCT7
GDI1	CCT8
GFOD1	CD320
GLIPR2	CD63
GNG10	CDC25A
GOLGA8B	CDC34
GOLIM4	CDCA7
GPR56	CEBPZ
GRINA	CENPV
H1FX	CFL1
HBB	CHCHD1
HBD	CHCHD2
HERC6	CHCHD4
HIPK2	CHCHD7
HLA-DPA1	CIAPIN1
HLA-DPB1	CIRH1A
HOMER2	CISD3
HOOK1	CISH
HYI	CKLF
ICA1	CLDN11
IDUA	CLNS1A
IFITM1	CLPP
IGFBP7	CNN2
IL18	CNPY2
IMPA2	COL4A5
IRS2	COPS6
ITGB1	COPS7A
ITLN1	COQ4
ITPKB	COQ5
JAZF1	CORO1C
JMY	COX5B
KANK2	COX6A1
KCNAB2	COX6B1
KCNN4	COX6C
KDM6A	COX7A2
KIAA0247	COX7C
KIAA0922	CRIM1
KIAA1804	CRISP3
KIF21A	CRYZ
KIF26A	CSRP1
KIFC2	CSTF2
KLF9	CTH
KLHDC8A	CTNNB1
LAMP2	CTSH

LATS2	CUEDC2
LCAT	CUTA
LHFPL2	CXXC5
LPCAT3	CYC1
LRP1	DAD1
LRP10	DBI
LRP11	DCTPP1
LRRC29	DCXR
LRRC70	DDX1
LYSMD2	DDX18
MAMLD1	DDX21
MAN2A1	DDX41
MANBA	DDX55
MANEA	DENND5A
MAP3K5	DFFA
MAP9	DHCR24
MAPK1	DHCR7
MED25	DHODH
MFSD6	DHX16
MGLL	DLAT
MICALL1	DNAJC7
MMD	DNMBP
MOSPD1	DOCK2
MRI1	DPH2
MXD3	DPP3
NAPRT1	DRG1
NBL1	DRG2
NDRG1	DSTN
NEURL1B	EARS2
NFAT5	EBNA1BP2
NFIC	EBP
NFIX	ECE2
NPC2	ECHS1
NPHP4	EEF1D
NR1D2	EEF1E1
NR1H2	EFTUD2
NRBP2	EHD4
NRIP3	EI24
NUP210	EIF2B3
OLIG1	EIF3B
OSBPL2	EIF3C
OSM	EIF3CL
PAQR8	EIF3I
PAQR9	EIF3M
PARP10	EIF6
PC	ELAVL2
PDZK11P1	EMG1
PEAR1	EML4
PELI2	ENO1
PHC3	EPCAM
PHF11	EPS8
PHF15	ERAL1
PIGQ	ERCC1
PIGT	ESF1
PIK3AP1	ESRRG
PIK3CB	ETFB
PKD1	EXOSC3
PKN2	EXOSC4
PLEKHH3	EXOSC7
PLOD3	EXOSC8
PLXNB2	EXTL3
PLXND1	FAH
PNPLA2	FAIM2
PPDF	FAM101B
PPP1R9B	FAM175A
PPP2R5B	FAM49A
PRRG4	FAM64A
PTMS	FAM83A
PTPLA	FBL
PXK	FBN1
RAB11FIP3	FDX1L
RAB4A	FEM1B
RAB6B	FEZ2

RANBP10	FH
RCOR3	FKBP1A
REC8	FKBP4
REEP3	FLAD1
RELL1	FLNB
RFTN1	FNTB
RFX7	FOXRED1
RHOF	FRG1
RHOQ	FUCA2
RIMKLB	FUNDC1
RNF213	GADD45G
RNF217	GADD45GIP1
ROGDI	GALE
RORA	GALK1
RPS6KA5	GALM
RRAGD	GAR1
RYR3	GART
SATB1	GATA2
SCARB2	GATA5
SCPEP1	GEMIN5
SDC4	GEMIN7
SEPP1	GFM2
SERINC5	GLRX
SERPINE2	GLUD1
SESN1	GMNN
SETD1A	GMPPA
SETD1B	GNAI1
SFI1	GNB1
SGPP1	GNL3
SH3PXD2A	GOT2
SLC14A1	GPATCH3
SLC15A4	GPATCH4
SLC22A16	GPD1L
SLC22A23	GPNMB
SLC2A4RG	GPS1
SLC30A1	GRHPR
SLC46A3	GRPEL1
SMOX	GSTO1
SNTB1	GSTP1
SPHAR	GTF3A
SPSB3	GTPBP4
SSBP3	GYG1
STIM1	HAUS7
STK17B	HBE1
STK25	HBG1
STK32B	HBG2
STOM	HBM
STX11	HBZ
STX4	HDAC7
TACC1	HDAC8
TAPT1	HDDC2
TBXAS1	HDDC3
THRB	HDHD2
TIFA	HEATR1
TMEM131	HEMK1
TMEM86B	HES1
TMOD2	HEXIM2
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TNFRSF1B	HIC2
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TP53INP1	HMGA2
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TRPS1	HMGN3
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TSPO	HNRNPH2
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UBA7	HPGDS
UBE2C	HSBP1
UBN2	HSP90AA1
ULK1	HSP90AB1

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