

Supplementary Table SIII Genes regulated in eSF by reconstituted SP and MVs.

Genes uniquely regulated in eSF by reconstituted SP	Genes uniquely regulated in eSF by MV	Genes regulated in eSF by reconstituted SP and MV
PLEKHA4	HOXA5	IL11
CTSL	GABPB1-AS1	RNF182
TMEM159	PLK3	TNFRSF11B
B3GALT4	NAXD	IL13RA2
KLHDC8B	TPRN	TM4SF1
SSBP4	IGFBP4	CIQTNF5
COPRS	STMN2	FHL2
CCNG1	EXOC3-AS1	USP53
PPP1R3C	HOXA11	MMD
TRPV2	NUDT16L1	KCNJ8
BTG1	VPS37B	TRIM47
BRI3	C6orf226	GDF15
RWDD2A	CASP6	FZD7
CDR2	NEK7	PENK
CD55	POLRMT	IL33
ARMC9	NFATC4	DNAJB9
UFM1	CRELD1	GCLM
AMDHD2	C17orf58	MEDAG
GNL3	DUSP5	LRRC32
TMEM158	CEBPD	REN
TRAF4	TRIB1	KNDC1
INTS10	LAYN	NR2F1
IFIT1	LOC339803	ARID5A
SGK1	MITD1	BBC3
GLRX	RARA-AS1	FAM46A
TNFRSF14	TLR4	RHOB
STC1	CDCA7	UNC5B
SERP1	C17orf96	LXN
SLC44A1	KCTD12	TFPI2
GRASP	FRAT2	NPTX1
PPIF	IGFBP3	FOXF1
PLIN2	RGMB	FGF7
TBL2	SH2B3	TWIST2
INSIG1	PTPRCAP	NEFM
ATF4	KLF10	CGA
TMF1	ARHGEF19	GK3P
DKC1	HIST2H2AC	PTPRN
CDKN1A	HES1	CHMP1B
SCARF2	LOC105370333	FAM167A
NUPR1	TMEM60	LINC00473
POLR1C	SLC20A1	CIQTNF9B-AS1
HSBP1L1	RGCC	PTGS1
CEMP1	RELL2	PTGS2
DDAH2	GADD45G	CEBPB
SLC35E1	LOC101927727	GBP3
UCN2	FOXL1	IFIT2

(Continued)

Supplementary Table SIII Continued.

Genes uniquely regulated in eSF by reconstituted SP	Genes uniquely regulated in eSF by MV	Genes regulated in eSF by reconstituted SP and MV
CARS	FMC1	RRAGC
GBP1	CRELD2	C8orf4
IFRD1	MIR210HG	DIRAS1
GMCL1	TNFSF15	DSEL
RPRD1A		JUN
C14orf28		CHST2
NOV		CXXC5
TFPI		RASL11B
IMP4		EDNRB
TMEM120B		GADD45A
DES		RGS4
KCTD20		KRT19
OPTN		NDRG1
TMEM42		LIMD2
CITED2		SLC25A15
NAMPT		HSPB2
PNP		RAB29
AMPD2		SYNC
H2AFJ		GALNT2
BOK		OGFRL1
NEAT1		KLF2
FAM46C		PMAIP1
PDLIM2		SMOX
POLR3H		MUM1L1
BMP2		KLF6
KRT18		IFIT3
RENBP		CCDC74A
KIAA0907		ADRA2C
GFPT1		HTR2B
HNMT		DIRAS3
CHCHD7		FAM212A
ALDH18A1		WNT5A
HOMER3		MEX3B
MYPOP		CRISPLD2
ZNF587		NEFL
SMARCB1		RASSF8
AHR		MAP1B
CACFD1		SST
DUSP10		SLC25A19
NOLCI		TNFRSF19
TAF13		ELL2
PITPNM1		DUSP1
GPR180		SNAI1
TBX3		TNFSF18
CLINT1		IL24
FAM105A		EGR2

(Continued)

Supplementary Table SIII Continued.

Genes uniquely regulated in eSF by reconstituted SP	Genes uniquely regulated in eSF by MV	Genes regulated in eSF by reconstituted SP and MV
GPR183		EGR3
KRT17		KLF11
MT2A		HDAC5
NR2C2AP		CUL4B
GRPEL1		C3orf80
NPC1		UFSP1
MBLAC1		CDK17
FLJ20021		KCNE4
PRRC1		PLN
PGM3		EPHB6
SEC23B		ZFP36L1
LRRN4CL		UBA5
CLSPN		RGS2
FDXR		TBLIX
METTTL7A		SOX4
APOL2		LFNG
SAR1A		F3
IER5		HSPB1
KLF5		PTGER2
AGPAT2		INHBE
DACT3		SLC2A11
GATA2		FNDC3A
PRKAR1A		XAF1
UBA6		LINC00341
ZNF526		FZD10
TMEM54		FABP4
WWTR1		PLPP2
BMF		CSDC2
C10orf10		TRIB3
NHLRC4		FILIP1L
ADAMTS2		ARL4C
MAPK11		CLN8
ID11		SOCS3
LDHA		STAMBPL1
SLFN11		GPRC5A
ATM		PDGFB
IMPAD1		LRPAP1
SLC35A2		OXTR
ZNF524		PFKFB4
RRS1		PCDH20
PNMA6A		COL18A1
MMP11		VEGF
TXNDC5		CHAC1
TPGS1		VEGFA
UBA7		HOTAIRM1
ELP2		ACO1

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Supplementary Table SIII Continued.

Genes uniquely regulated in eSF by reconstituted SP	Genes uniquely regulated in eSF by MV	Genes regulated in eSF by reconstituted SP and MV
MOB1B		ING1
FXR2		SLC46A1
LYSMD3		USP46
SEC24A		PGRMC2
SH3BP5-AS1		CCL7
LOC729683		SECISBP2L
SLC16A6		SEMA7A
SLC33A1		LONRF2
SFXN1		CLMP
SERPINB2		APOL6
SQLE		GRB2
NUDT11		EPAS1
FAM171A2		GREM1
IGIP		LOC101929130
PAFAH1B3		SGTB
PDGFC		ID1
H6PD		ID3
PLEKHF2		THBS2
GNL2		IRF1
LINC01578		LINC00622
IL4R		PRPSAP1
HMGCR		LMO7
EVA1B		ERRF1
MGC27345		KCNA3
LOC643072		AVPI1
SERTAD4-AS1		KRTAP1-5
MAFB		KRTAP2-3
SVBP		YIPF6
ENTPD7		BET1L
RIOK2		NR4A2
FKBP14		PIMI
ASB1		STAP2
CIRBP-AS1		METRNL
TMEM167A		ILIR1
ARFIP2		PHF10
MSTO1		NFKBIE
TRIM52		HMOX1
COMTD1		ADM2
PLK2		HAND2
PSMB9		NMI
PACSI		ID4
LMANI		TFAP2C
PRRX1		HAS2
WEE1		RRAD
POLR3E		HERC4
CAMK1G		MEG9

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Supplementary Table SIII Continued.

Genes uniquely regulated in eSF by reconstituted SP	Genes uniquely regulated in eSF by MV	Genes regulated in eSF by reconstituted SP and MV
GNB3		CTPS1
RAB31L1		FOXO1
FLRT2		SCG2
PFKFB3		CAST
CLDND1		LOC101928841
RMI2		SYVN1
NDEL1		SLC39A10
HECA		PCK2
PLD6		PRPS2
GOSR2		COQ10A
PTPRF		ARHGAP21
MPHOSPH6		HIF1A
ENAH		RTP4
FAM198A		GNG11
LARP4		ABRACL
TIPARP		ADGRA3
SLC22A17		FGF2
IRS1		ADAMTS1
EPB41L4A-AS1		FAM43A
C2CD2L		PLOD2
EXT1		EDEM3
GOLGA3		CREB3L2
SIX4		KRT34
SUCO		C19orf71
C14orf80		KRT7
RAC3		PTGIR
SLC37A3		DPH2
HMGCS1		FOXD1
SESN2		FOXQ1
DANCR		CEBPG
SEPT5-GPIBB		NETO2
PKI55		SDHAF1
EBLN3P		ETS1
SNHG11		JMJD6
LDLR		CHSY1
POFUT2		CCDC142
WIPI1		MEIS1
MAFG-AS1		AKAP5
EPT1		SOX9
PRPF4		SPTY2D1
HYOU1		TSKU
FOSB		CMTM3
CYP2S1		GPR153
DND1		PIK3IP1
PEG10		CCL2
NT5E		TNFSF4

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Supplementary Table SIII Continued.

Genes uniquely regulated in eSF by reconstituted SP	Genes uniquely regulated in eSF by MV	Genes regulated in eSF by reconstituted SP and MV
SLC26A6		CDC42EP1
ATP2A2		MOGS
MAPK8		MYLIP
ALG3		MAFK
STC2		HTR1B
CTNNB1		FABP3
TCEB3		LOC642852
OSGIN2		CDC42EP3
TMEM39A		MASPI
ERBIN		SLC2A1
SPRY1		SSR4P1
ALG11		ALDH3A2
FLJ32255		DDIT3
ANKRD9		LINC00641
LETM1		GCAT
GZFI		PAQR4
GCN1		COL15A1
VCAN		DNM3OS
EARS2		DUSP23
SEC16A		PPP2R1B
OSMR		YWHAH
TMEM167B		B4GALT1
FRMD6-AS1		TMEM190
HSPA2		ZNRF2P1
MLEC		PARTICL
HSPB3		NOL6
MAP3K10		TSPYL2
CTGF		SH3RF3-AS1
ADPGK		C17orf51
ACTC1		LOC100506730
ST7-AS1		GLI1
FAM8A1		MIGA2
EGFR		POU2F2
ZBTB38		MSC
NOP2		BCL2L10
RPS28		BHLHE41
PSMB8		ICAM1
OSBP		P2RY11
URBI		DKK1
RPS6KB1		AMIGO3
KCNG1		CD248
LOC100130744		LOC100288911
RALA		IRAIN
KRTAP20-2		COL8A1
FDX1L		SFRP1
ESYT2		COL7A1

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Supplementary Table SIII Continued.

Genes uniquely regulated in eSF by reconstituted SP	Genes uniquely regulated in eSF by MV	Genes regulated in eSF by reconstituted SP and MV
NUDT18		FOS
FBXL18		DRAM1
TYRO3		CHCHD10
ANPEP		CLDN11
OCELI		SZT2
CCR10		NEXN
USPL1		SLC38A1
LINC00936		HLX
NUAK1		L3HYPDH
LOC100129917		AP3M2
ZNF674-AS1		RHBDL1
THRIL		HBEGF
CCNT1		LOC375196
KCTD21		TMEM200A
NSDHL		SPHK1
ITPRIP		ULBP1
MGC12916		SLC20A2
SMIM3		CDKN2B
MEN1		FIBIN
IGFBP5		LACCI
UBFD1		STAT5B
CYB5D1		CLDN15
NANOS1		CDKN1C
ERGIC1		ISLR2
ZFAND2B		EFNB1
FAM63A		MC1R
PIK3R1		SLITRK4
NACAD		IER3
SCO2		FICD
FBXO18		PSAT1
ALKBH5		IGFBP1
WDR3		BRICD5
SC5D		BTG2
PPP1R10		AFAP1
TNFRSF10D		RPP25
MIA3		ANGPTL4
CAPN15		BLOC1S3
NID2		LINC01391
FASN		CRIPAK
DHCR7		PDLIM4
IPW		MAN1A1
HIP1R		KCTD7
POLD4		STOM
CBARP		MYBBP1A
KMT2D		EGR1
LRIG3		DACT1

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Supplementary Table SIII Continued.

Genes uniquely regulated in eSF by reconstituted SP	Genes uniquely regulated in eSF by MV	Genes regulated in eSF by reconstituted SP and MV
PFAS		ABL1
SRPRA		AGER
SIN3B		SAT1
PLEKHA2		TMEM133
ZNF417		HSPB7
MRV1		ACTBL2
ARHGEF2		PTGER4
EBLN2		SERPINE1
LOC100131315		GPR176
STAG3L5P-PVRIG2P-PILRB		ZC3H3
COMMD4		FOXO4
		ZNF818P
		MNT
		LPCAT1
		DYRK2
		RASSF2
		BRE-AS1
		LMNB1
		DUSP2
		SCARNA12
		FGF5
		KCNF1
		PKDCC
		43713
		OSR2