

Supplementary Table S8: Genes deregulated after Snail1-HA expression and bound by Snail1-HA individually or in combination with ASCL2 and/or TCF7L2

	Deregulated genes bound by Snail1-HA and							
	-		ASCL2		TCF7L2		ASCL2/TCF7L2	
	down	up	down	up	down	up	down	up
t=6h	ARHGEF10	NKD1	LINC00239	NKD1	TOM1L1	NKD1	C9orf152	
	DEGS2	MRLP30	FAM102A		MFSD6		SERPINB1	
	MBP		MCF2L-AS1				TJP3	
	HID1		GOLT1A				TM7SF2	
	KRT19		C1orf115				KRT8	
	KLHL36		PFKFB4				CYP2J2	
	SLCO4A1		PFKP				SMIM3	
	PDE9A		ZSCAN16				BTC	
	PTP4A3		ADM				EPHB3	
	GCA		WT1				GPX2	
	PODXL		HOOK1				SLC5A1	
	GLDC		FBXL16				EHF	
	FBP1		KRT18				ICOSLG	
	SGPP2		FAIM2				GDF15	
	KIAA1324		TPRN				INSIG1	
	DLL1		ADAP1				TJP2	
	HES4		TUFT1				PNPLA7	
	LIMA1		RAB17				SLC6A20	
	SPATA2L		ELF3				ENPP4	
	OCLN		CORO1A				SEMA6A	
	CRB3		SEC23B				COBL	
	RASEF		GPA33				CANT1	
	METRNL		FA2H				RBM47	
	AKTIP		TOB1				ATP2C2	
	LMTK3		ASS1				NRN1	
	MKNK2		CLDN3				FGFBP1	
	SLC25A4		CLDN7				PRR15L	
	RIMKLA		ERCC1				TRIM15	
	FAM174B		C2orf15				ATP1B1	
	LRRC26		RBCK1				SYBU	
	SLC16A3		MYT1				MYB	
	ESPN		LRRC8B				ARHGEF16	
	P4HTM		KLF2				THBS2	
	EXOC6		OSBPL5					
	MYRIP		PGM3					
	HES5		SNTB1					
	ENTPD6							
	WDSUB1							
	IRF7							
	CYFIP2							
	CNNM3	NKD1	NPDC1	NKD1	RNFT2	NKD1	C9orf152	PAQR8
	ABCA3	C3orf58	ERGIC1	COBLL1	DDAH1	ETV4	SERPINB1	
	TPD52	DBN1	MCF2L	ID1	CDS1		TJP3	
	HID1	NFKBIA	MCF2L-AS1	TUBB	MFSD6		TM7SF2	
	KRT19	RERE	GOLT1A	PMP22	SH3YL1		CDH1	
	KLHL36	ELF2	DGKQ	FAT1	MNX1		TRIM2	
	SLCO4A1	CCDC85A	TMEM106C	MT1A			AGAP1	
	SORT1	IFI6	MST1R				IRS2	
	PTP4A3	C17orf50	PFKFB4				GSE1	
	PODXL	SAMD11	PFKP				EPHB3	
	RALGPS1		ZSCAN16				GPX2	
	OSBPL2		THEM6				TRIB1	
	SLC25A22		ARV1				MYO15B	
	UBXN2B		WT1				EHF	
	SIGIRR		VIL1				ICOSLG	
	AP1S3		PRDX5				GDF15	
	ADAM8		FBXL16				SLCO3A1	
	KIAA1324		FAIM2				CRAT	
	CYB5A		MYO5B				SLC6A20	
	HES4		TPRN				FUT1	
	LIMA1		RGS12				ENPP4	
	PPP1R9A		TUFT1				COBL	
	RASSF7		TM7SF3				B4GALT5	
	NOXA1		WNT10A				WWC1	
	JUP		NBEAL2				SPTBN1	
	WRAP73		ELF3				RBM47	
	LIPG		CORO1A				ATP2C2	

t=24h	NME3	SEC23B					NRN1	
	METRNL	GPA33					ABLIM2	
	AKTIP	FA2H					SPINK4	
	LMTK3	ASS1					TRIM15	
	HAGH	AGPAT3					MCAT	
	TFRC	GAS6					ETS2	
	PSEN2	DAGLA					THBS2	
	KLHDC4	PRKAG2					KCNT1	
	RAB3IP	RBCK1					CYP2J2	
	TESC	C2orf15					KRT8	
	STRBP	KLF2					SMIM3	
	CXCL16	PARP12					SLC5A1	
	FBXL15	PICK1					RHBDL1	
	CAST	FIBCD1					PNPLA7	
	DENND4C	ARL4A					TJP2	
	DAG1	SPINT2					INSIG1	
	SLC22A23	CHPF					SEL1L3	
	LRRC26	LINC00239					NUAK2	
	SLC16A3	TSTD1					SLC7A5	
	MYO5C	NPTX1					SEMA6A	
	ESPN	C1orf115					KCNQ1	
	P4HTM	ABCA7					ST14	
	MYRIP	ZMIZ2					EPCAM	
	MTUS1	SCAMP2					SEMA3F	
	HES5	ADM					CANT1	
	ENTPD6	DMPK					ZFP36L2	
	UBE2D4	FAM83E					FGFBP1	
	IRF7	HOOK1					AIG1	
	SEC11C	KRT18					PRR15L	
	CYFIP2	GADD45A					DPEP1	
	ARHGEF10	GPRIN3					SYBU	
	DEGS2	ADAP1					MYB	
	MBP	HES1					ARHGEF16	
	SPTAN1	NIPAL3						
	LAMA5	MAL2						
	GLDC	RAB17						
	GCA	SPIRE2						
	FBP1	AIFM3						
	STAMBPL1	CLDN3						
	PPP1R35	CLDN7						
	C21orf59	ABR						
	DLL1	PKN1						
	CTC1	MYT1						
	PUS1	LRRC8B						
	TMEM62	STC2						
	RNF208	RAP1GAP2						
	SLC25A19	TRPM2						
	SPATA2L	OSBPL5						
	OCLN	SNTB1						
	NUDT14	SMOC2						
	CRB3							
	RASEF							
	STAT5A							
	MAP2K1							
	ITGB4							
	SLC25A4							
	NCKIPSD							
	RIMKLA							
	SP8							
	FAM84B							
	NUP210							
	PIP5K1B							
	ODC1							
	SLC9A2							
	CYSTM1							
	FAM174B							
	HES6							
	EXOC6							
	FOXA1							
	E2F2							
	HSD3B7							
	WDSUB1							
	ABCA3	NKD1	NPDC1	NKD1	MFSD6	NKD1	C9orf152	FNDC3B
	TPD52	SYK	ERGIC1	KLK3	SH3YL1	KANSL1	TJP3	SEMA3A
	HID1	C3orf58	ESRP1	TNRC6B	IL15	STT3B	TM7SF2	TBX2

t=48h

KRT19	HDAC4	MCF2L	C9orf3	RNFT2	FGFRL1	EHF	AXIN2
SLCO4A1	NFKBIA	CDCA7L	ATXN1	DDAH1	TUBB2B	GDF15	PTPRE
OSBPL2	CARHSP1	MCF2L-AS1	ZFP90	CDS1		ENPP4	EPHA2
SLC25A22	ZBTB46	GOLT1A	ID1	TOM1L1		COBL	PAQR8
SIGIRR	IFI6	MST1R	PMP22	POC1B		WWC1	LMO7
ADAM8	AHR	PFKP	FAT1	MNX1		ATP2C2	RNF43
SCO2	CREBBP	THEM6	MT1A			NRN1	TRPC3
PGAM5	DBN1	ARV1				KCNT1	ARID1B
LIMA1	RERE	WT1				KRT8	SH3GLB1
RASSF7	CSNK1E	VIL1				CLDN4	MFSD2A
NOXA1	LAMP5	FBXL16				BTC	
AKTIP	NBPF10	RGS12				SLC5A1	
HNF1B	ALCAM	TUFT1				PNPLA7	
HAGH	CCDC85A	TM7SF3				TJP2	
KLHDC4	GRAP	NBEAL2				FAM136A	
RAB3IP	PKM	SEC23B				SEL1L3	
MRPL38	CDKN1C	PEX10				NUAK2	
FBXL15	SAMD11	FA2H				SLC7A5	
SLC22A23		DAGLA				SEMA3F	
P4HTM		RBCK1				CBR3	
MYRIP		C2orf15				AIG1	
HES5		KLF2				PRR15L	
ENTPD6		PARP12				GRB7	
UBE2D4		B3GNTL1				ATP1B1	
IRF7		GFOD1				SERPINB1	
MBP		LINC00239				CDH1	
STAMBPL1		FAM102A				TRIM2	
PPP1R35		C1orf115				AGAP1	
PCGF5		ZMIZ2				IRS2	
RNF208		ABCA7				GSE1	
OCLN		ADM				EPHB3	
NUDT14		FAM83E				GPX2	
MAP2K1		HOOK1				MYO15B	
ITGB4		GPRIN3				ICOSLG	
SLC25A4		HES1				SLCO3A1	
ZNF524		SPIRE2				CRAT	
TLCD1		AIFM3				SLC6A20	
RIMKLA		CLDN3				B4GALT5	
SP8		ABR				SPTBN1	
LRRC8D		STC2				RBM47	
PIP5K1B		RAP1GAP2				ABLIM2	
SLC9A2		TRPM2				SPINK4	
HES6		NRARP				TRIM15	
FOXA1		DGKQ				MCAT	
CNNM3		TMEM106C				THBS2	
SLC1A4		PFKFB4				CYP2J2	
KLHL36		ZSCAN16				RHBDL1	
JTB		PSMG1				INSIG1	
SORT1		OVOL2				SLC6A18	
LLGL2		PRDX5				SEMA6A	
PTP4A3		FAIM2				KCNQ1	
PODXL		TPRN				EPCAM	
UBXN2B		WNT10A				ST14	
GRTP1		ELF3				CANT1	
KIAA1324		CORO1A				ZFP36L2	
CYB5A		GPA33				FGFBP1	
HES4		ASS1				LBR	
PPP1R9A		AGPAT3				DPEP1	
WRAP73		PPP2R5A				MYB	
IFRD2		GAS6				SYBU	
NME3		PICK1				ARHGEF16	
LIPG		SPINT2					
METRNL		DMPK					
TFRC		KRT18					
PSEN2		ADAP1					
TESC		NIPAL3					
STRBP		MAL2					
CXCL16		RAB17					
DAG1		CLDN7					
LRRC26		CCDC85C					
SLC16A3		TRIM47					
MYO5C		PKN1					
ESPN		MYT1					
METTTL21A		LRRC8B					
MTUS1		DGKD					

	CYFIP2 SEC11C ARHGEF10 DEGS2 LAMA5 GDPD1 GCA GLDC FBP1 C21orf59 DLL1 CTC1 PUS1 LARP1B TMEM62 SLC25A19 SPATA2L CRB3 RASEF KISS1R NCKIPSD FAM84B NUP210 ODC1 CYSTM1 FAM174B EXOC6 E2F2 WDSUB1 HSD3B7		OSBPL5 SMOC2					
	ABCA3 TPD52 HID1 KRT19 SLC04A1 PDE9A RALGPS1 SLC25A22 POLRMT ADAM8 SCO2 PGAM5 LIMA1 RASSF7 NOXA1 AKTIP LMTK3 MKNK2 HNF1B HAGH GAS2L3 KLHDC4 RAB3IP MRPL38 RHOF FBXL15 DENND4C SLC22A23 NCAPG2 P4HTM MYRIP HES5 ENTPD6 UBE2D4 IRF7 MBP EGLN1 MAP7 STAMBPL1 PPP1R35 SSH3 RNF208 OCLN NUDT14 SPRY1	NKD1 SYK SLC1A4 HDAC4 NFKBIA PTPN21 ZBTB46 DCBLD1 IFI6 NSMF PLXNA1 GBA INPP5E CIRBP DBN1 ELF2 CCDC85A GRAP DPY19L4 R3HCC1 LNPEP TTYH3 PRKAB1 TRIM8 ANO7 CHAC1 FRG1 FBXO28 BRD3 EHD1 PSEN2 AHR CREBBP RERE CSNK1E TRIP12 LAMP5 CDKN1C C7orf43 SAMD11	NPDC1 COBL1 ERGIC1 WDR45B MCF2L CDCA7L MCF2L-AS1 GOLT1A MST1R PFKP MFSD6L THEM6 ARV1 WT1 VIL1 FBXL16 TM7SF3 NBEAL2 DDX11 SEC23B FA2H C2orf15 KLF2 B3GNTL1 ARL4A GFOD1 LINC00239 C1orf115 ABCA7 ADM FAM83E HOOK1 GPRIN3 HES1 UNC93B1 TUBB4B SPIRE2 AIFM3 CLDN3 ABR OVOL1 RAP1GAP2 TRPM2 NRARP TRAPPC9	NKD1 PROSER1 CHPF GPR137B FAM111A KLK3 EPAS1 GADD45A SQSTM1 ZFH3 ID1 SNX8 MYLIP PMP22 RAPGEF1 VPS18 TMEM185B CERK TNRC6B STC2 C9orf3 PDXK ZFP90 DAPK3 SNTB1 FAT1 PLEC MT1A	DUSP6 PRKCH ETV4 SH3YL1 IL15 RNFT2 DDAH1 CDS1 TOM1L1 POC1B MNX1 MAD2L1	NKD1 KANS1 STT3B CCND1 APLP2 TUBB2B FGFRL1	C9orf152 TJP3 TM7SF2 TRAF3IP2 EHF GDF15 ENPP4 COBL WWC1 ATP2C2 PPARA NRN1 B4GALNT4 KCNT1 SMIM3 CLDN4 SLC5A1 TJP2 PNPLA7 FAM136A SEL1L3 NUAK2 TSSC1 SEMA3F CBR3 AIG1 PRR15L GRB7 ALDH2 ATP1B1 SERPINB1 CDH1 TRIM2 AGAP1 IRS2 GSE1 EPHB3 GPX2 TRIT1 MYO15B ICOSLG SLCO3A1 CRAT SLC6A20 RBM47	DMAP1 CBX4 EPHA2 TRPC3 JDP2 SH3GLB1 LUC7L FNDC3B NCOR2 AXIN2 TRAM2 PTPRE PAQR8 ARID1B

t=72h

ITGB4
SLC25A4
TLCD1
RIMKLA
SP8
PIP5K1B
SLC9A2
HES6
FOXA1
CNNM3
KLHL36
CPT1A
SORT1
LLGL2
ADPRHL2
GMCL1
PTP4A3
PODXL
CD9
UBXN2B
GRTP1
KIAA1324
CYB5A
HES4
PPP1R9A
COX7C
WRAP73
IFRD2
NME3
LIPG
MICB
METRNL
TFRC
PRR15
TESC
PLEKHH1
STRBP
CXCL16
CAST
DAG1
LRRC26
MYO5C
SLC16A3
ESPN
MTUS1
CYFIP2
SEC11C
DEGS2
ARHGEF10
GAB2
LAMA5
APRT
GCA
GLDC
PLK5
FBP1
PI4K2B
DLL1
CTC1
PUS1
LARP1B
MYH13
TMEM62
SLC25A19
CRB3
RASEF
STAT5A
NCKIPSD
FAM84B
TGDS
NUP210
ODC1
CYSTM1
FAM174B
EXOC6

DGKQ
TMEM106C
SLC6A19
PFKFB4
ZSCAN16
OVOL2
PSMG1
PRDX5
FAIM2
TPRN
MYO5B
WNT10A
ELF3
CORO1A
GPA33
TRERF1
AGPAT3
GRAMD4
PPP2R5A
GAS6
TXNDC12
PICK1
SPINT2
TSTD1
KRT18
ADAP1
MAL2
RAB17
TOB1
PSME1
CLDN7
CCDC85C
TRIM47
PKN1
MYT1
LRRC8B
DGKD
BIN1
OSBPL5
MRS2
SMOC2
TBC1D22A

TSNARE1
ABLM2
SPINK4
TRIM15
TMEM88
MCAT
ETS2
THBS2
PIWIL1
CYP2J2
RHBDL1
INSIG1
SLC6A18
KCNQ1
EPCAM
ST14
GRHL2
CANT1
FGFBP1
ECT2
LBR
RABEPK
DPEP1
SYBU
MYB
ARHGEF16

	E2F2 HSD3B7 WDSUB1							
	ABCA3	NKD1	NPDC1	NKD1	MFSD6	NKD1	C9orf152	DMAPI
	TPD52	SYK	COBLL1	PROSER1	DUSP6	SPEN	TJP3	SLC38A10
	KCNJ2	HDAC4	WDR45B	CHPF	PRKCH	KANSL1	TM7SF2	CBX4
	HID1	CTNNA1	ERGIC1	FAM111A	ETV4	STT3B	TRAF3IP2	ADCY9
	KRT19	NFKBIA	MCF2L	SH3GL1	SH3YL1	CCND1	EHF	EPHA2
	SLCO4A1	PTPN21	ESRP1	TUBB	IL15	APLP2	GDF15	EPS15
	PDE9A	ZBTB46	CDCA7L	PMEP1A	RNFT2	FGFRL1	ENPP4	FTH1
	RALGPS1	IFI6	MCF2L-AS1	KLK3	DDAH1	TUBB2B	COBL	TRPC3
	ADAM8	NSMF	GOLT1A	EPAS1	CDS1	CSNK1A1	WWC1	JDP2
	SCO2	PLXNA1	MST1R	GADD45A	TOM1L1		ATP2C2	SH3GLB1
	PGAM5	GBA	PFKP	SQSTM1	POC1B		NRN1	SLC7A5
	LIMA1	CIRBP	MFSD6L	ZFH3	MXN1		KCNT1	MFSD2A
	RASSF7	NOMO1	THEM6	ID1	MAD2L1		SMIM3	LUC7L
	JUP	DBN1	ARV1	SNX8			CLDN4	FND3B
	NOXA1	ARID3A	WT1	TUBB4B			SLC5A1	NCOR2
	LMTK3	ELF2	VIL1	MYLIP			TJP2	AXIN2
	HAGH	CCDC85A	MCCC1	PMP22			PNPLA7	TRAM2
	GAS2L3	GRAP	FBXL16	RAPGEF1			FAM136A	PTPRE
	KLHDC4	R3HCC1	TM7SF3	ASS1			SEL1L3	PIM1
	RAB3IP	TTYH3	NBEAL2	SEC16A			NUAK2	TCF7L2
	PRKCZ	ENDOD1	DDX11	CERK			TSSC1	CACHD1
	MRPL38	PRKAB1	PEX10	GADD45B			SEMA3F	ARID1B
	RHOF	FOXRED2	SEC23B	TNRC6B			AIG1	
	FBXL15	TRIM8	FA2H	STC2			PRR15L	
	DENND4C	PKD1P1	DAGLA	C9orf3			GRB7	
	SLC22A23	PLXNB2	C2orf15	PDXK			ALDH2	
	P4HTM	FBXO15	B3GNTL1	ATXN1			ATP1B1	
	MYRIP	CHAC1	ARL4A	ZFP90			SERPINB1	
	HES5	TFRC	GFOD1	SNTB1			CDH1	
	ENTPD6	FRG1	LINC00239	FAT1			SEMA3A	
	UBE2D4	BRD3	C1orf115	PLEC			TRIM2	
	IRF7	FBXO28	ABCA7	MT1A			IRS2	
	MBP	EHD1	ADM				EPHB3	
	EGLN1	PSEN2	FAM83E				GPX2	
	MAP7	AHR	HOOK1				TRIT1	
	STAMBPL1	SMOX	GPRIN3				MYO15B	
	PPP1R35	CREBBP	HES1				ICOSLG	
	PCGF5	TNFRSF1B	SSTR5-AS1				RNF43	
	SSH3	HSP90AA1	AIFM3				SLCO3A1	
	RNF208	POLR2J2	SPIRE2				CRAT	
	OCLN	RERE	CLDN3				SLC6A20	
	NUDT14	CSNK1E	ABR				RBM47	
	NELFA	LAMP5	OVOL1				TSNARE1	
	SPRY1	NBPF10	GALNT9				ABLIM2	
	ITGB4	PKM	RAP1GAP2				SPINK4	
	SLC25A4	SP2	TRPM2				TRIM15	
	ENPP5	UBE2D2	F11R				MCAT	
	ZNF524	ACTG1	TRAPPC9				ETS2	
	TLCD1	CDKN1C	TMEM106C				THBS2	
	RIMKLA	CALM1	PFKFB4				CYP2J2	
	RMND5B	SAMD11	ZSCAN16				RNF144A	
	SP8	HECTD1	OVOL2				AKNAD1	
	LRRC8D		PSMG1				RHBDL1	
	PIP5K1B		FAIM2				INSIG1	
	SLC9A2		TPRN				KCNQ1	
	HES6		WNT10A				EPCAM	
	KDM4C		ELF3				GRHL2	
	FOXA1		GPA33				CANT1	
	KLHL36		GRAMD4				FGFBP1	
	CPT1A		PPP2R5A				ECT2	
	SORT1		GAS6				LBR	
	LLGL2		PICK1				RABEPK	
	ADPRHL2		SPINT2				DPEP1	
	IL15RA		TSTD1				MYB	
	PTP4A3		KRT18				SYBU	
	PODXL		ADAP1				ARHGEF16	
	CD9		MAL2					
	GRTP1		TDRKH					
	KIAA1324		RAB17					
	CYB5A		CAPZB					
	ALCAM		TOB1					
	HES4		CLDN7					

t=96h

PPP1R9A	PSME1
COX7C	CCDC85C
CDH15	TRIM47
WRAP73	PKN1
IFRD2	MYT1
NME3	FAM171A1
LIPG	LRRC8B
MICB	DGKD
PRR15	OSBPL5
TESC	MRS2
PLEKHH1	SMOC2
STRBP	BAIAP2L1
CXCL16	
LRRC26	
MYO5C	
PTGES3	
ESPN	
MRPL30	
MTUS1	
CYFIP2	
DEGS2	
ZFAND6	
GAB2	
LAMA5	
APRT	
GCA	
GLDC	
FBP1	
DLL1	
CTC1	
PUS1	
LARP1B	
TMEM62	
MYH13	
SLC25A19	
SPATA2L	
CRB3	
PDCD2	
NCKIPSD	
FAM84B	
NUP210	
TGDS	
CYSTM1	
FAM174B	
EXOC6	
E2F2	
HSD3B7	
WDSUB1	