

Significant Latent Factors – Marginals (bold/italic) and Interactions																
Genes Associated with Significant Latent Factors	COL3A1	CYP1B1	C1QB	HPGD	X.2395	SELENOW	LTBP2	SCG2	WARS1	ABCA8	MYH11	STAT1				
	COL1A1	CYP1A1	H1.2	C1QC	EDNRB	RNA5.8SP6	CRIP1	ITGBL1	CHGA	LAP3	ABCA6	CALD1	MX1			
	COL1A2	RND1	H1.4	C1QA	FERMT2	CYTH1	LPCAT1	FCN1	THY1	SCN3A	IL32	ABCC9	RGS5	OAS3		
	COL6A3	CCL2	SDC1	PLS3	SFTPC	MPPRIP	FABP5	MNDA	ITGB6	MSMO1	CENPF	APOL1	FSTL1	SAMD9L		
	COL5A1	C2	NIBAN1	RBM47	NEBL	ITPRIPL2	GABARAP	MACC1	TRAM1	HMGCS1	S100A9	NPEPPS	SH3PXD2A	LPP	IFIT3	
	COL5A2	CAT	SPECC1L	PTPRM	NEK7	TSPAN14	CPD	CDH1	CAPN1	CYP51A1	S100A8	ZNF292	GBP2	PHC2	TAGLN	OAS2
	COL16A1	NEBL	SELENBP1	SLC25A6	CALU	AMOTL1	C1orf43	ELL2	FMOD	INSIG1	S100A12	KDM5B	TANC2	FAT4	IGFBP7	PARP9
	ELK3	C5AR1	SLC1A3	TANC1	SDC4	USP32	XPOT	RAPGEF2	ACIN1	HMGCR	VNN2	IRF2BP2	TLR4	TEX2	ACTA2	JAK1
	TM4SF1	CCSER2	NEK7	ST3GAL5	ETS2	HTT	NR1D2	SLC39A1	ATOH8	FDPS	SELL	RTN3	AQP4	TSPAN3	ANTXR1	EIF2AK2
	SVEP1	RRM2B	LPCAT1	SLC1A3	SLFN11	KLF3	GPX4	CHMP1B	MYO1D	ACLY	CD177	ARL6IP1	PIM3	MYLK	SYNPO2	CNN3
	FCN3	FCN3	HSDL2	FCN3	FCN3	FCN3	FCN3	DEGS1	FCN3	GFPT1	MYLK	FCN3	FCN3	FCN3	FCN3	FCN3
	BTNL9	BTNL9	FCN3	BTNL9	BTNL9	BTNL9	BTNL9	CIRBP	BTNL9	C5AR1	CCT5	BTNL9	BTNL9	BTNL9	BTNL9	BTNL9
	SLC39A8	SLC39A8	BTNL9	SLC39A8	SLC39A8	SLC39A8	SLC39A8	FCN3	SLC39A8	FADS1	SERF2	SLC39A8	SLC39A8	SLC39A8	SLC39A8	SLC39A8
	NPR3	NPR3	SLC39A8	NPR3	NUPR1	NPR3	NPR3	BTNL9	NPR3	FCN3	CPD	NPR3	NPR3	NPR3	NPR3	NPR3
	NUPR1	NUPR1	NPR3	NUPR1	S100A4	NUPR1	NUPR1	SLC39A8	NUPR1	BTNL9	FCN3	NUPR1	NUPR1	NUPR1	NUPR1	NUPR1
	S100A4	S100A4	NUPR1	S100A4	ANXA3	S100A4	S100A4	NPR3	S100A4	SLC39A8	BTNL9	S100A4	S100A4	S100A4	S100A4	S100A4
	ANXA3	ANXA3	S100A4	ANXA3	STX11	ANXA3	ANXA3	NUPR1	ANXA3	NPR3	SLC39A8	ANXA3	ANXA3	ANXA3	ANXA3	ANXA3
	STX11	STX11	ANXA3	STX11	TBX3	STX11	STX11	S100A4	STX11	NUPR1	NPR3	STX11	STX11	STX11	STX11	STX11
	TBX3	TBX3	STX11	TBX3	MGAM	TBX3	TBX3	ANXA3	TBX3	S100A4	NUPR1	TBX3	TBX3	TBX3	TBX3	TBX3
	MGAM	MGAM	TBX3	MGAM	GPX3	MGAM	MGAM	STX11	MGAM	STX11	S100A4	MGAM	MGAM	MGAM	MGAM	MGAM
51 Significant Latent Factor																
8	15	29	31	42	44	50	51	53	56	60	61	67	71	72	76	