

Significant Latent Factors – Marginals (bold/italic) and Interactions																	
Genes Associated with Significant Latent Factors	HBA2	HLA.A	MT.CO1	HLA.B	KRT8	WDR74	ADAMTS9	LAMB1	X.2395	WARS1	KIT	IFI6	SCG2	RPS4Y1	COL3A1		
	HBA1	AGER	MT.ND4	HLA.C	KRT18	ZNF354B	ADAMTS4	LAMA2	RNA5.8SP6	GBP1	CPA3	MX1	CHGA	DDX3Y	COL1A1		
	HBB	ACE	MT.CO3	HSPA1A	COL8A1	HBB	TNFRSF10B	PDGFRA	SARS1	LAP3	TPSAB1	OAS3	SCN3A	USP9Y	COL1A2		
	HMOX1	THBD	MT.ND5	PRRC2A	KRT7	AGR3	SLC7A5	LAMC1	EIF3C	IL32	PDE5A	IL1RL1	SAMD9L	CENPF	MYADM	COL6A3	
	CCNL1	SCGB1A1	MT.CYB	TMTC1	ITGB6	DCN	ABL2	NID1	MYADM	APOL1	GPC3	LDLR	IFIT3	SEC11C	AHNAK	CCDC80	
	FUCA1	AHNAK	MT.ATP6	BCL2L1	RCN1	RPS9	HSPA1A	PDGFRB	PLEKHO2	TAP1	ASPN	TXNRD1	OAS2	CPE	TNXB	MYH11	
	TGFBI	PCDHGC3	MT.ND1	SQSTM1	CALU	H4C12	ADAMTS1	LOX	CSRP1	GBP2	ANTXR1	MSMO1	PARP9	DPYSL3	RGS5	LRP1	
	ROS1	SVEP1	MT.ND2	ARHGAP18	ITGAV	MSMB	ERRFI1	STON1	KLF10	PLEK	NRP1	HMGCS1	PARP14	TUBB	CD99	HSPG2	
	FCGRT	NRP1	MT.CO2	CD109	LMNA	SELENOW	ITGA5	SH3PXD2B	LENG8	STAT1	MFAP4	CYP51A1	FN1	RYR2	CRISPLD2	CALD1	
	ITGB6	SEMA3G	MT.ATP8	PON2	CKAP4	FGG	SLC19A2	COL6A6	XPOT	IRF1	ROBO1	INSIG1	SLCO2B1	XPR1	PIK3R3	C1S	
	FCN3	FCN3	FCN3	BTNL9	FCN3	BTNL9	FCN3	FCN3	FCN3	FCN3	FCN3	HMGCR	FCN3	FCN3	BTNL9	FCN3	
	BTNL9	BTNL9	BTNL9	PRX	PRX	PRX	BTNL9	BTNL9	BTNL9	BTNL9	BTNL9	IDI1	BTNL9	PRX	PRX	BTNL9	
	PRX	PRX	SLC39A8	SLC39A8	SLC39A8	SLC39A8	PRX	PRX	PRX	PRX	PRX	FADS1	PRX	SLC39A8	SLC39A8	PRX	
	SLC39A8	SLC39A8	NUPR1	NUPR1	NUPR1	S100A4	SLC39A8	NUPR1	SLC39A8	SLC39A8	FCN3	SLC39A8	NUPR1	NUPR1	SLC39A8		
	NUPR1	NUPR1	S100A4	S100A4	S100A4	VSIR	NUPR1	S100A4	NUPR1	NUPR1	BTNL9	NUPR1	S100A4	S100A4	NUPR1		
	S100A4	S100A4	FCN1	FCN1	FCN1	TNFSF10	S100A4	FCN1	S100A4	S100A4	PRX	S100A4	FCN1	FCN1	S100A4		
	FCN1	FCN1	VSIR	VSIR	VSIR	CHI3L2	FCN1	GPX3	FCN1	FCN1	SLC39A8	FCN1	VSIR	VSIR	FCN1		
	GPX3	VSIR	GPX3	GPX3	GPX3	PALM2AKAP2	VSIR	TNFSF10	VSIR	VSIR	NUPR1	VSIR	GPX3	GPX3	VSIR		
	TNFSF10	GPX3	TNFSF10	TNFSF10	TNFSF10	MPEG1	GPX3	PALM2AKAP2	GPX3	GPX3	S100A4	GPX3	TNFSF10	TNFSF10	GPX3		
	CHI3L2	TNFSF10	PALM2AKAP2	CHI3L2	CHI3L2	CRTAC1	TNFSF10	MPEG1	TNFSF10	TNFSF10	STX11	TNFSF10	CHI3L2	CHI3L2	TNFSF10		
9 Significant Latent Factor																	
1	2	3	4	5	7	8	9	13	15	16	18	19	20	22	24		