

Significant Latent Factors – Marginals (bold/italic) and Interactions																											
Genes Associated with Significant Latent Factors	GPRC5A	MRC1	TMSB10	HBA2	PTPN13	MMP2	MTCO1P12	ITGA1	PGD	X.2395	ADGRL2	DES	APOL6	CFH	WARS1	SLC38A2	MYH11	SAMD9L	UNC13B	MACF1	LCP1						
	LMO7	TNFSF13	MYL6	HBA1	PTPRB	MECOM	MMP14	MTATP6P1	GUCY1A2	TALDO1	RNA5.8SP6	HECW2	ACTG2	DTX3L	CSF3R	SERPINF1	LAMB1	CNN1	OAS2	MLPH	DST	AQP9					
	CD55	GRN	CDC42	HBB	ARHGAP29	NKX2.1	IL1R1	ARHGEF2	SEMA5A	BRI3	LARP4B	ARHGEF12	MYLK	YWHAH	DYSF	FBXO32	IL32	PDGFRA	SYNP02	PARP14	FREM2	CALD1	PTPRC				
	RAB11FIP1	SLC31A1	MYL12B	ST3GAL5	MGAT4A	MYO5C	LOX	LRIG1	PEAK1	TKT	ACTG1	PCDHGC3	HTT	YWHAH	CR1	CLU	APOL1	LAMC1	TPM2	EIF2AK2	PLXNA2	TIMP2	ITGB2				
	ARAP2	CYB5R3	SAP18	CFI	ARHGAP31	KIAA0319L	MAP4K4	MT.ATP8	ZDHHC3	ATP6V0D1	S100A9	TNS3	SPOCK2	GATAD2A	CNDP2	SELL	MGP	TAP1	NID1	EPAS1	DAB2	ABI3BP	LPCAT1	PLXDC2	FPR1		
	PARD6B	FCGR2A	RHOC	ZMAT3	NOTCH1	LGALS3BP	EEF2	MTND1P23	SDC3	FTH1	S100A8	PPP4R1	ADGRG6	DUSP3	LYST	FLOT2	ZHX3	GBP1	DOCK9	SLC6A4	ITPR1	NUDT3	ITPR3	DDR2	TLR2		
	CGN	CTSC	SERF2	LRRK2	ZEB1	SMIM14	PDGFRB	NOTCH2NLA	PRICKLE2	ATP6V0E1	S100A12	SLC11A2	ACADSB	ANK3	RB1	PIM1	COL16A1	STAT1	PTPRG	SLCO2A1	SARAF	TNS3	ARRB1	FAT4	PLEK		
	LRRFIP1	MGAT5	NRAS	NBL1	ANO6	ARSD	KDELR1	ADA2	C5orf24	SQOR	CD177	CEPB	ZC3H7B	SDC2	LARP1	WDFY3	THY1	GBP2	STON1	VIPR1	NIBAN1	SLC8A1	FLNB	UACA	SIRPA		
	OCLN	AP1B1	LGALS1	ROS1	ATP13A4	PTPRK	PALLD	LSM14A	SMURF2	ALDOA	USP15	BCL6	NCKAP1	MYO6	SLFN11	TLN1	ENAH	LUZP1	JAK1	ACVRL1	SCARA5	GNPTAB	PATJ	FMOD	CD53		
	SCEL	LRP2	CLIC1	FKBP8	EPB41L5	NUMA1	EMILIN1	TNS3	PTAR1	FTL	VNN2	BRI3	TNFAIP1	RBM47	RDX	CDC42SE1	DPYSL3	PARP9	ANO6	SLC9A3R2	PCNX1	KLF9	CYP4B1	MSRB3	NCF2		
	NUPR1	FCN3	FCN3	FCN3	KAT6A	FCN1	FCN3	HMGCS1	HMGCS1	FCN3	CNN2	VNN2	HMGCS1	FCN3	TMEM165	HMGCS1	HMGCS1	NPR3	TEK	FCN3	NPR3	FCN3	HMGCS1	FCN3			
	ANXA3	NPR3	HMGCS1	HMGCS1	HMGCS1	RTKN2	HMGCS1	VNN2	VNN2	HMGCS1	ETS2	HMGCS1	EFNB2	VNN2	HMGCS1	FCN3	S100A4	GRK5	HMGCS1	ANXA3	VNN2	NUPR1	ANXA3				
	MNDA	S100A4	VNN2	VNN2	EFNB2	CLDN5	EFNB2	EFNB2	NUPR1	SLC39A8	SDCBP	VNN2	PRX	EFNB2	HMGCS1	MSMO1	IDI1	GIMAP8	MSMO1	MNDA	CALCRL	EHD1					
	MGAM	MSMO1	NPR3	PRX	FCN1	CD14	S100A4	SLC39A8	S100A4	NPR3	PRKCD	EFNB2	SLC39A8	NPR3	VNN2	ANXA3	PRX	CD36	FOXF1	ANXA3	FCN1	TNFSF10	TNFSF10	SPI1			
	PALM2AKAP2	ANXA3	S100A4	NPR3	MGAM	RGCC	MNDA	NPR3	MSMO1	NUPR1	FCN3	PRX	NPR3	NUPR1	FCN1	PRX	MGAM	SLC39A8	PREX1	EFNB2	INSIG1	MGAM	RTKN2	FABP5	FCN1		
	PAPSS2	CD36	ANXA3	NUPR1	VSIR	PCDH17	MGAM	MSMO1	INSIG1	S100A4	HMGCS1	SLC39A8	ANXA3	S100A4	CALCRL	SLC39A8	FGR	NPR3	EPB41L5	PRX	MNDA	TNFSF10	SPOCK2	HHIP	PIK3AP1		
	PEBP4	MCEMP1	INSIG1	S100A4	CALCRL	HOPX	PAPSS2	INSIG1	MNDA	MSMO1	EFNB2	NPR3	MSMO1	CHI3L2	NPR3	CALCRL	FCN1	IDI1	BRI3	FASN	MSMO1						
	CD14	BRI3	VSIR	MSMO1	PALM2AKAP2	HMOX1	MCEMP1	FCN1	FCN1	ANXA3	PRX	NUPR1	FCN1	MNDA	RTKN2	S100A4	PALM2AKAP2	MSMO1	IFIT3	NUPR1	CALCRL	PAPSS2	EDNRB	PLBD1	HCK		
	RALA	HHIP	TNFSF10	INSIG1	PAPSS2	DPYD	FABP5	MGAM	IDI1	INSIG1	SLC39A8	S100A4	MGAM	RTKN2	ANXA3	CD52	S100A4	TNFSF10	RTKN2	IL17RA	LYZ	FGR					
	SEMA3G	GBP4	PALM2AKAP2	MNDA	CD36	ARHGEF2	CD14	FGR	RTKN2	MNDA	NPR3	MSMO1	TNFSF10	MGAM	MME	ANXA3	SPOCK2	ESAM	CHI3L2	EPB41L5	GBP4	KLF2	VSIR				
Significant Latent Factor																											
6	9	10	12	25	42	47	52	57	66	68	73	80	81	93	102	105	133	139	146	150	152	154	156	161			