

Significant Latent Factors – Marginals (bold/italic) and Interactions																															
Genes Associated with Significant Latent Factors	<b>HBA2</b>	CYP1B1	<b>PTPRB</b>	CXCL8	APOLD1		OLR1	MTCO1P12	ITGA1	<b>IGFBP4</b>	ID1	PGD		RGS5	X.2395	<b>ADGRL2</b>	DES	JUN	<b>CFH</b>	CYP51A1	CDH5	SCG2	MMP7	IL1RL1	SELE	WARS1	UNC13B	LCP1			
	<b>HBA1</b>	TXNRD1	<b>ARHGAP29</b>	IL1B	PHLDA1	TMEM100	SPN	MTATP6P1	GUCY1A2	<b>FAT1</b>	SHE	TALDO1		ANTXR1	RNA5.8P6	<b>HECW2</b>	ACTG2	<b>GPX3</b>	IER2	CSF3R	<b>SERPINF1</b>	HMGR	CHGA	KRT5	IL18R1	VCAM1	LAP3	MLPH	AQP9		
	<b>TCF12</b>	CYP1A1	<b>MGAT4A</b>	SERPINB2	SLC19A2	SMAD6	UBASH3B	HERPUD1	DPYSL2	<b>IGF1</b>	DUSP3	BRI3		FILIP1L	LARP4B	<b>PCDHGC3</b>	DUSP3	<b>BTNL9</b>	EZR	DYSF	<b>FBXO32</b>	IDI1	TMED5	SCN3A	B4GALT5	MIDEAS	IL32	<b>EPAS1</b>	FREM2	PTPRC	
	<b>SNX5</b>	RND1	<b>PRKD3</b>	KIF1B	CELF1	SEMA6A	CST3	VAT1	SEPTIN7	<b>PTGFRN</b>	LPIN2	CD63	S100A9	ENAH	HNRNP	<b>AKAP9</b>	NFE2L1	<b>PALLD</b>	CSGALNACT2	CR1	<b>SH3BP4</b>	GFPT1	CAPZB	NUCKS1	KRT15	SPTBN1	KDM5B	APOL1	<b>SLC6A4</b>	SEPTIN7	ITGB2
	<b>EIF2S3</b>	JOSD1	<b>IFNGR1</b>	TNFRSF1A	KLF9	GRINA	SLC8A1	PTGES3	PLS3	<b>PSD3</b>	CCDC69	ATP6V0D1	S100A8	IGFBP7	CYTH1	<b>OSMR</b>	CHMP3	<b>TLN1</b>	RAB31	SELL	<b>CLU</b>	ICMT	RNF149	PARP1	COL17A1	ILRUN	VKORC1L1	TAP1	<b>SLCO2A1</b>	WASHC4	FPR1
	<b>ACOX1</b>	LUZP1	<b>ZEB1</b>	LAMB3	IL6ST	ESYT2	SARAF	PDCD4	DDX17	<b>POSTN</b>	CD302	FTL	S100A12	SMARCA4	CELF1	<b>ACADSB</b>	GATAD2A	<b>IRAK3</b>	SMURF2	MFN2	<b>MGP</b>	ERP29	SYNGR2	MARCHF6	FAT2	SPTSSA	STAT1	<b>VIPR1</b>	NAP1L1	TLR2	
	<b>FCGRT</b>	CD93	<b>FMNL2</b>	ASAP1	ASAP1	SPARC	CREBL2	CDC42EP4	GALNT2	<b>LGALS3BP</b>	UBB	FTH1	CD177	ITGA9	ENSA	<b>AHCYL2</b>	JAK1	<b>VPS35</b>	NOTCH2NLA	UBE2J1	<b>CCNG1</b>	PANK3	WASF2	NONO	SETD7	TEAD1	C2	GBP2	<b>ACVRL1</b>	PDCD6IP	PLEK
	<b>CFI</b>	IL1R1	<b>ARHGEF2</b>	MPZL2	PHLDB2	PABPC4	PSME4	MXRA7	FARP1	<b>ICMT</b>	HEXA	ATP6V0E1	CDC42SE1	PTGDS	SLC11A2	<b>KDELR1</b>	CHMP1B	<b>ASCC3</b>	FOXP1	GNAI3	<b>GNG12</b>	JOSD1	PAPSS2	ZNF292	ITPR1	SEC62	ARFGEF3	CD74	<b>SLC9A3R2</b>	TMEM123	SIRPA
	<b>ST3GAL5</b>	STARD7	<b>PIK3C2A</b>	HIPK2	TACC1	RREB1	PRKD3	EWSR1	RALA	<b>THY1</b>	TNFAIP1	WBP2	CLIC1	ROBO1	CEPB	<b>NRIP1</b>	MAP3K20	<b>STT3B</b>	SSH2	FLOT2	<b>SNED1</b>	GOLGA4	DYNC1I2	FAM20B	PTAR1	ITM2B	JAG1	GBP1	TEK	RBMS3	CD53
	<b>GALNT1</b>	SDC2	<b>TMEM106B</b>	PALM2AKAP2	TRAK1	ATOH8	NRIP1	CYB5R3	VCL	<b>GALNT10</b>	EPHB4	TKT	USP15	TRRAP	BCL6	<b>SELENOW</b>	CDC42SE1	<b>CAST</b>	SC5D	ENG	KDM5B	AGPS	SLC43A3	FOSL2	DTX4	DBI	FOSL2	LAPTM4A	<b>GRK5</b>	SESN3	NCF2
	<b>FCN3</b>	FCN3	<b>FCN3</b>	FCN3	FCN3	NDST1	FCN3	FCN3	FCN3	<b>FCN3</b>	VNN2	FCN3	NUMB	HMGCS1	FCN3	<b>FCN3</b>	FCN3	<b>RBPJ</b>	FCN3	BACH1	<b>HMGCS1</b>	VNN2	FCN3	FCN3	FCN3	<b>GIMAP8</b>	FCN3	FCN3			
	<b>VNN2</b>	HMGCS1	<b>HMGCS1</b>	HMGCS1	HMGCS1	VNN2	HMGCS1	HMGCS1	HMGCS1	<b>HMGCS1</b>	EFNB2	HMGCS1	EFNB2	EFNB2	HMGCS1	<b>HMGCS1</b>	HMGCS1	<b>VNN2</b>	PRX	HMGCS1	HMGCS1	HMGCS1	HMGCS1	HMGCS1	<b>FOXF1</b>	HMGCS1	VNN2				
	<b>EFNB2</b>	VNN2	<b>VNN2</b>	VNN2	EFNB2	EFNB2	EFNB2	VNN2	VNN2	<b>EFNB2</b>	SLC39A8	VNN2	SPRING1	PRX	VNN2	<b>VNN2</b>	HMGCS1	<b>EFNB2</b>	NUPR1	VNN2	PRX	VNN2	VNN2	<b>FCN3</b>	EFNB2	SLC39A8					
	<b>PRX</b>	SLC39A8	<b>EFNB2</b>	EFNB2	PRX	NPR3	PRX	EFNB2	EFNB2	<b>PRX</b>	NPR3	PRX	FCN3	SLC39A8	EFNB2	<b>EFNB2</b>	VNN2	<b>VNN2</b>	EFNB2	VNN2	EFNB2	VNN2	VNN2	<b>FCN3</b>	EFNB2	VNN2					
	<b>SLC39A8</b>	NPR3	<b>SLC39A8</b>	PRX	SLC39A8	NUPR1	SLC39A8	PRX	PRX	<b>MNDA</b>	NUPR1	SLC39A8	HMGCS1	NPR3	PRX	<b>EFNB2</b>	NPR3	<b>EFNB2</b>	PRX	<b>EFNB2</b>	NPR3	PRX	<b>EFNB2</b>	NPR3	<b>EFNB2</b>	NPR1					
	<b>NPR3</b>	NUPR1	<b>MSMO1</b>	SLC39A8	NPR3	S100A4	NPR3	SLC39A8	SLC39A8	<b>FCN1</b>	S100A4	NPR3	VNN2	NUPR1	SLC39A8	<b>NPR3</b>	SLC39A8	<b>PRX</b>	S100A4	ANXA3	SLC39A8	NUPR1	EFNB2	NUPR1	ANXA3	<b>EFNB2</b>	NUPR1				
	<b>NUPR1</b>	S100A4	<b>MNDA</b>	NPR3	NUPR1	MSMO1	NUPR1	NPR3	NPR3	<b>MGAM</b>	MSMO1	NUPR1	EFNB2	S100A4	NPR3	<b>NUPR1</b>	NPR3	<b>SLC39A8</b>	NUPR1	MSMO1	INSIG1	NPR3	NPR3	MSMO1	PRX	MSMO1	EHD1				
	<b>S100A4</b>	MSMO1	<b>FCN1</b>	NUPR1	S100A4	ANXA3	S100A4	S100A4	S100A4	<b>VSIR</b>	ANXA3	S100A4	PRX	INSIG1	<b>S100A4</b>	NUPR1	<b>NPR3</b>	S100A4	<b>NPR3</b>	NUPR1	<b>ANXA3</b>	MNDA	S100A4	ANXA3	<b>SLC39A8</b>	MNDA	SPI1				
	<b>MSMO1</b>	ANXA3	<b>MGAM</b>	MSMO1	MSMO1	INSIG1	INSIG1	MSMO1	MSMO1	<b>CALCRL</b>	MNDA	MSMO1	SLC39A8	MSMO1	S100A4	<b>ANXA3</b>	MSMO1	INSIG1	S100A4	MSMO1	MSMO1	INSIG1	NPR3	FCN1	FCN1	FCN1	FCN1	PIK3AP1			
	<b>ANXA3</b>	INSIG1	<b>VSIR</b>	ANXA3	ANXA3	MNDA	MNDA	INSIG1	ANXA3	<b>TNFSF10</b>	FCN1	ANXA3	FCN1	MSMO1	<b>ANXA3</b>	ANXA3	ANXA3	ANXA3	ANXA3	ANXA3	ANXA3	ANXA3	ANXA3	ANXA3	ANXA3	ANXA3	ANXA3	ANXA3	ANXA3		