Significant Latent Factors − Marginals (bold/italic) and Interactions

Significant Latent Factor	Genes Associated with Significant Latent Factors
3	COL3A1, COL1A1, COL1A2, COL5A1, COL5A2, OGFRL1, COL6A3, TRPM7, CERT1, NRP2, FCN3, HMGCS1, VNN2, EFNB2, PRX, SLC39A8, NUPR1, S100A4, ANXA3, INSIG1
12	***HBA2***, ***HBA1***, ***TCF12***, ***SNX5***, ***EIF2S3***, ***ACOX1***, ***FCGRT***, ***CFI***, ***ST3GAL5***, ***GALNT1***, ***FCN3***, ***VNN2***, ***EFNB2***, ***PRX***, ***SLC39A8***, ***NPR3***, ***NUPR1***, ***S100A4***, ***MSMO1***, ***ANXA3***
24	CYP1B1, TXNRD1, CYP1A1, RND1, JOSD1, LUZP1, CD93, IL1R1, STARD7, SDC2, FCN3, HMGCS1, VNN2, SLC39A8, NPR3, NUPR1, S100A4, MSMO1, ANXA3, INSIG1
25	***PTPRB***, ***ARHGAP29***, ***MGAT4A***, ***PRKD3***, ***IFNGR1***, ***ZEB1***, ***FMNL2***, ***ARHGEF2***, ***PIK3C2A***, ***TMEM106B***, ***FCN3***, ***HMGCS1***, ***VNN2***, ***EFNB2***, ***SLC39A8***, ***MSMO1***, ***MNDA***, ***FCN1***, ***MGAM***, ***VSIR***
35	CXCL8, IL1B, SERPINB2, KIF1B, TNFRSF1A, LAMB3, ASAP1, MPZL2, HIPK2, PALM2AKAP2, FCN3, HMGCS1, VNN2, EFNB2, PRX, SLC39A8, NPR3, NUPR1, MSMO1, ANXA3
36	APOLD1, PHLDA1, SLC19A2, CELF1, KLF9, IL6ST, ASAP1, PHLDB2, TACC1, TRAK1, FCN3, HMGCS1, EFNB2, PRX, SLC39A8, NPR3, NUPR1, S100A4, MSMO1, ANXA3
37	TMEM100, SMAD6, SEMA6A, GRINA, ESYT2, SPARC, PABPC4, RREB1, ATOH8, NDST1, VNN2, EFNB2, NPR3, NUPR1, S100A4, MSMO1, ANXA3, INSIG1, MNDA
49	OLR1, SPN, UBASH3B, CST3, SLC8A1, SARAF, CREBL2, PSME4, PRKD3, NRIP1, FCN3, HMGCS1, EFNB2, PRX, SLC39A8, NPR3, NUPR1, S100A4, INSIG1, MNDA
52	MTCO1P12, MTATP6P1, HERPUD1, VAT1, PTGES3, PDCD4, CDC42EP4, MXRA7, EWSR1, CYB5R3, FCN3, HMGCS1, VNN2, EFNB2, PRX, SLC39A8, NPR3, S100A4, MSMO1, INSIG1
57	ITGA1, GUCY1A2, DPYSL2, SEPTIN7, PLS3, DDX17, GALNT2, FARP1, RALA, VCL, FCN3, HMGCS1, VNN2, EFNB2, PRX, SLC39A8, NPR3, S100A4, MSMO1, ANXA3
60	***IGFBP4***, ***FAT1***, ***IGF1***, ***PTGFRN***, ***PSD3***, ***POSTN***, ***LGALS3BP***, ***ICMT***, ***THY1***, ***GALNT10***, ***FCN3***, ***HMGCS1***, ***EFNB2***, ***PRX***, ***MNDA***, ***FCN1***, ***MGAM***, ***VSIR***, ***CALCRL***, ***TNFSF10***
64	ID1, SHE, DUSP3, LPIN2, CCDC69, CD302, UBB, HEXA, TNFAIP1, EPHB4, VNN2, EFNB2, SLC39A8, NPR3, NUPR1, S100A4, MSMO1, ANXA3, MNDA, FCN1
66	PGD, TALDO1, BRI3, CD63, ATP6V0D1, FTL, FTH1, ATP6V0E1, WBP2, TKT, FCN3, HMGCS1, VNN2, PRX, SLC39A8, NPR3, NUPR1, S100A4, MSMO1, ANXA3
68	S100A9, S100A8, S100A12, CD177, CDC42SE1, CLIC1, USP15, NUMB, PICALM, SPRING1, FCN3, HMGCS1, VNN2, EFNB2, PRX, SLC39A8, NPR3
69	***RGS5***, ***ANTXR1***, ***FILIP1L***, ***ENAH***, ***IGFBP7***, ***SMARCA4***, ***ITGA9***, ***PTGDS***, ***ROBO1***, ***TRRAP***, ***HMGCS1***, ***EFNB2***, ***PRX***, ***SLC39A8***, ***NPR3***, ***NUPR1***, ***S100A4***, ***INSIG1***, ***MNDA***, ***FCN1***
73	X.2395, RNA5.8SP6, LARP4B, HNRNPF, CYTH1, CELF1, ENSA, SLC11A2, CEBPB, BCL6, FCN3, HMGCS1, VNN2, EFNB2, PRX, SLC39A8, NPR3, NUPR1, S100A4, MSMO1
80	***ADGRL2***, ***HECW2***, ***PCDHGC3***, ***AKAP9***, ***OSMR***, ***ACADSB***, ***AHCYL2***, ***KDELR1***, ***NRIP1***, ***SELENOW***, ***FCN3***, ***HMGCS1***, ***VNN2***, ***EFNB2***, ***SLC39A8***, ***NPR3***, ***NUPR1***, ***S100A4***, ***ANXA3***, ***INSIG1***
81	DES, ACTG2, DUSP3, NFE2L1, CHMP3, GATAD2A, JAK1, CHMP1B, MAP3K20, FOSL2, FCN3, HMGCS1, VNN2, EFNB2, PRX, SLC39A8, NPR3, NUPR1, S100A4, MSMO1
87	***GPX3***, ***BTNL9***, ***PALLD***, ***TLN1***, ***IRAK3***, ***VPS35***, ***ASCC3***, ***STT3B***, ***AGPS***, ***RBPJ***, ***FCN3***, ***HMGCS1***, ***VNN2***, ***EFNB2***, ***PRX***, ***SLC39A8***, ***NPR3***, ***NUPR1***, ***S100A4***
88	JUN, IER2, EZR, CSGALNACT2, RAB31, SMURF2, NOTCH2NLA, FOXP1, SSH2, SLC43A3, FCN3, HMGCS1, VNN2, EFNB2, PRX, NPR3, NUPR1, S100A4, MSMO1, ANXA3
93	APOL6, DTX3L, CNDP2, RPS6KA3, YWHAB, KAT6A, PARP9, CDV3, EXOC5, LASP1, FCN3, HMGCS1, VNN2, PRX, SLC39A8, NPR3, S100A4, MNDA, FGR, VSIR
102	CSF3R, DYSF, CR1, SELL, MFN2, UBE2J1, GNAI3, FLOT2, CDC42SE1, BACH1, FCN3, HMGCS1, VNN2, EFNB2, PRX, NPR3, NUPR1, S100A4, MSMO1
105	***CFH***, ***SERPINF1***, ***FBXO32***, ***SH3BP4***, ***CLU***, ***MGP***, ***CCNG1***, ***GNG12***, ***SNED1***, ***CAST***, ***HMGCS1***, ***VNN2***, ***EFNB2***, ***SLC39A8***, ***NPR3***, ***S100A4***, ***MSMO1***, ***ANXA3***, ***INSIG1***, ***MNDA***
108	CYP51A1, HMGCR, IDI1, GFPT1, ICMT, ERP29, PANK3, JOSD1, GOLGA4, SC5D, VNN2, PRX, NUPR1, S100A4, MSMO1, ANXA3, INSIG1, MNDA, FCN1, MGAM
110	CDH5, ROBO4, TMED5, CAPZB, RNF149, SYNGR2, WASF2, PAPSS2, DYNC1I2, ENG, FCN3, HMGCS1, VNN2, EFNB2, PRX, SLC39A8, NPR3, NUPR1, S100A4, ANXA3
118	SCG2, CHGA, SCN3A, NUCKS1, PARP1, MARCHF6, NONO, ZNF292, FAM20B, KDM5B, FCN3, HMGCS1, VNN2, EFNB2, PRX, SLC39A8, NPR3, S100A4, MSMO1, ANXA3
122	MMP7, KRT5, DSC3, KRT15, COL17A1, FAT2, SETD7, ITPR1, PTAR1, DTX4, FCN3, HMGCS1, PRX, SLC39A8, NPR3, NUPR1, MSMO1, ANXA3, INSIG1, MNDA
128	IL1RL1, IL18R1, B4GALT5, SPTBN1, ILRUN, SPTSSA, TEAD1, SEC62, ITM2B, DBI, FCN3, HMGCS1, VNN2, EFNB2, PRX, SLC39A8, NPR3, NUPR1, S100A4, MSMO1
133	WARS1, LAP3, IL32, APOL1, TAP1, STAT1, GBP2, CD74, GBP1, LAPTM4A, FCN3, HMGCS1, VNN2, PRX, NPR3, NUPR1, MSMO1, ANXA3, INSIG1, MNDA
140	GASK1A, NMNAT3, FAM241A, MAB21L3, PIGN, RPAP2, NOPCHAP1, TRNT1, UTRN, BLOC1S6, FCN3, VNN2, EFNB2, PRX, NPR3, S100A4, MNDA, FCN1, MGAM, VSIR
146	***EPAS1***, ***SLC6A4***, ***SLCO2A1***, ***VIPR1***, ***ACVRL1***, ***SLC9A3R2***, ***TEK***, ***GRK5***, ***GIMAP8***, ***FOXF1***, ***FCN3***, ***HMGCS1***, ***VNN2***, ***EFNB2***, ***PRX***, ***SLC39A8***, ***NPR3***, ***NUPR1***
154	UNC13B, MLPH, FREM2, SEPTIN7, WASHC4, NAP1L1, PDCD6IP, TMEM123, RBMS3, SESN3, FCN3, HMGCS1, EFNB2, PRX, NPR3, NUPR1, MSMO1, MNDA, FCN1, MGAM
161	LCP1, AQP9, PTPRC, ITGB2, FPR1, TLR2, PLEK, SIRPA, CD53, NCF2, FCN3, VNN2, SLC39A8, NUPR1, S100A4, ANXA3, EHD1, SPI1, FCN1, PIK3AP1