

Supplemental Table 1 - Gene Accession

Gene name	Locus
LOC100008826	XM_002724263
CAV1	NM_001111072
CCL2	NM_001082294
CCL4	NM_001082196
CEBPZ	XM_002709920
JUN	NM_001198947
COL1A2	NM_001195668
CTGF	XM_002714820
CXCR4	XM_002712124
DCN	NM_001082330
ENG	XM_002722985
EDN1	NM_001101696
ETS1	NM_001082661
HGF	NM_001168707
IFNG	NM_001081991
IL10	NM_001082045
IL1A	NM_001101684
IL1B	NM_001082201
IL4	NM_001163177
IL4R	XM_002711857
ITGA1	XM_002713967
ITGAV	XM_002712329
ITGB1	XM_002721189
ITGB5	XM_002716419
ITGB6	XM_002712210
ITGB8	NM_001082304
EGF	XM_002717184
TIMP1	NM_001082232
ITGA2	XM_002713968
FLI1	XM_002708849
CCR7	XM_002719359
SMAD7	XM_002713526
SAR1B	XM_002710214
NFIB	XM_002708089
GREM1	XM_002718005
LTBP1	XM_002709772
SAR1A	XM_002718438
IL21	XM_002717257
CUL1	XM_002711944
TGFBR1	XM_002708153
IL13RA2	XM_002720202
CCL3	XM_002719246
IL12A	XM_002716291

PDGFC	XM_002716942
PDGFA	XM_002724293
SP3	XM_002712188
ILK	XM_002708766
LOX	XM_002710146
IL5	XM_002710201
CCR2	XM_002713280
INHBC	XM_002720908
IL13	XM_002710092
MMP1	NM_001171139
MMP13	NM_001082037
MMP14	NM_001082793
MMP2	NM_001082209
MMP3	NM_001082280
MMP9	NM_001082203
MYC	XM_002710544
PDGFD	NM_001195762
PLAT	NM_001082769
PLAU	NM_001082011
PLG	XM_002714966
PRKCD	XM_002713389
SERPINB2	NM_001171154
SERPINE1	XM_002722823
SERPINH1	XM_002708499
SKIL	XM_002716410
SMAD2	XM_002713520
SMURF2	XM_002719208
SP1	XM_002711128
STAT1	XM_002712346
STAT6	XM_002720937
TGFB1	XM_002722312
TGFB2	NM_001082660
TGFB3	XM_002719635
THBS1	XM_002717799
TIMP2	XM_002723776
TIMP3	NM_001195682
TIMP4	NM_001195690
TNF	NM_001082263
VEGFA	XM_002714697
YBX1	NM_001082785
ZFYVE9	XM_002715095
ACTA2	NM_001101682
ACTB	NM_001101683
GAPDH	NM_001082253
LDHA	NM_001082277
LOC100346936	XM_002723383
NGDC	SA_00511 NGD

RTC	SA_00104 RTC
RTC	SA_00104 RTC
RTC	SA_00104 RTC
PPC	SA_00103 PPC
PPC	SA_00103 PPC
PPC	SA_00103 PPC

Supplemental Table 2		
All Changed Genes		
	Up-regulated	Down-regulated
Interaction	Cul 1, Ets1, Cul1, Ets1, Fli1, Ilk , Itga1 , Itgb1 , Prkcd, Stat6 , Tgfb1 , Vegfa	
CTS induction	Ccl2, Ccl3, Ccl4, Cebpz, Edn1, Egf, Eng, Grem1, Il1a, Il1b, Il5, Il10, Il13ra2, Inhbc, Itga2, Itgav, Itgb6, Mmp1, Mmp9, Mmp13, Mmp14, Pdgfc, Plg, Sar1a, Serpinh1, Skil, Smad7, Smurf2, Stat1, Tgfb3, Timp1, Timp4, Tnf, Ybx1, Zfyve9	
HFD	Ctgf , Cxcr4, Timp2	Col1a2, Dcn , Infg , LOC100008826 (Bmp7)
Genes noted in the discussion section are written in bold.		

Supplemental Table 3 All changed genes by sex				
	Male		Female	
	Up-regulated	Down-regulated	Up-regulated	Down-regulated
Interaction	Cul1, Cxcr4, Eng, Fli1, Prkcd, Stat6, Tgfb1, Timp4		Il1b	
CTS induction	Cav1 , Ccl3, Edn1, Ets1, Grem1, Il10, Il13, Il13ra2, Ilk, Inhbc, Itga1, Itga2, Itgav, Itgb1, Mmp3, Mmp14, Plau, Sar1a, Skil, Smad2, Smad7 , Smurf2 , Tgfb2, Tgfb3, Timp1, Tnf, Ybx1, Zfyve9		Itgav, Itgb6, Mmp1, Tgfb3	
HFD	Plat	Col1a2, Dcn	Cul1, Hgf, Ilk, Itga1, Itgb1, Mmp2 , Tgfb1, Thbs1, Timp2,	Edn1, Il1b, Smurf2 , Zfyve9
Genes noted in the discussion section are written in bold.				