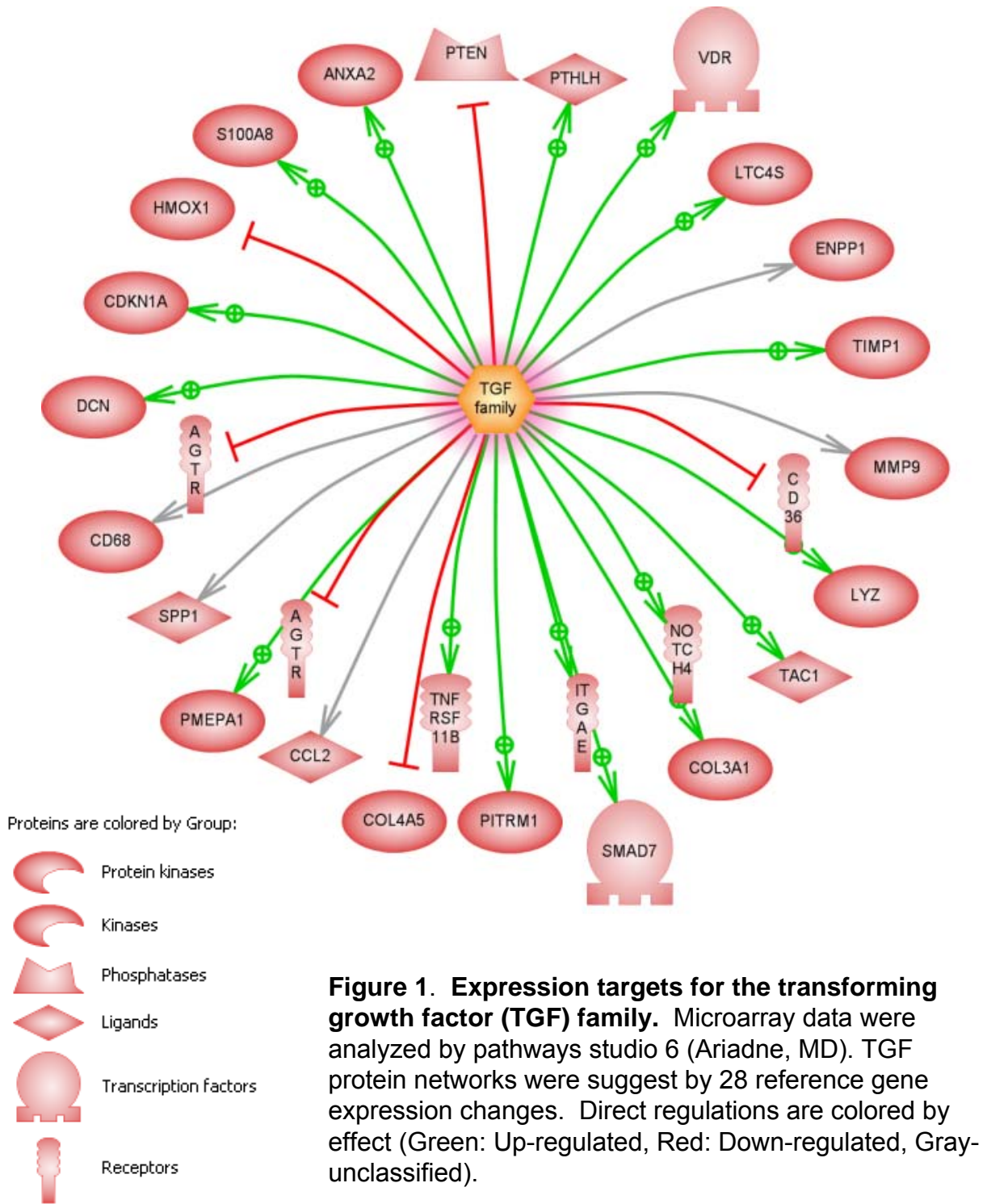


Supplemental Fig. 1



Supplemental Fig. 2

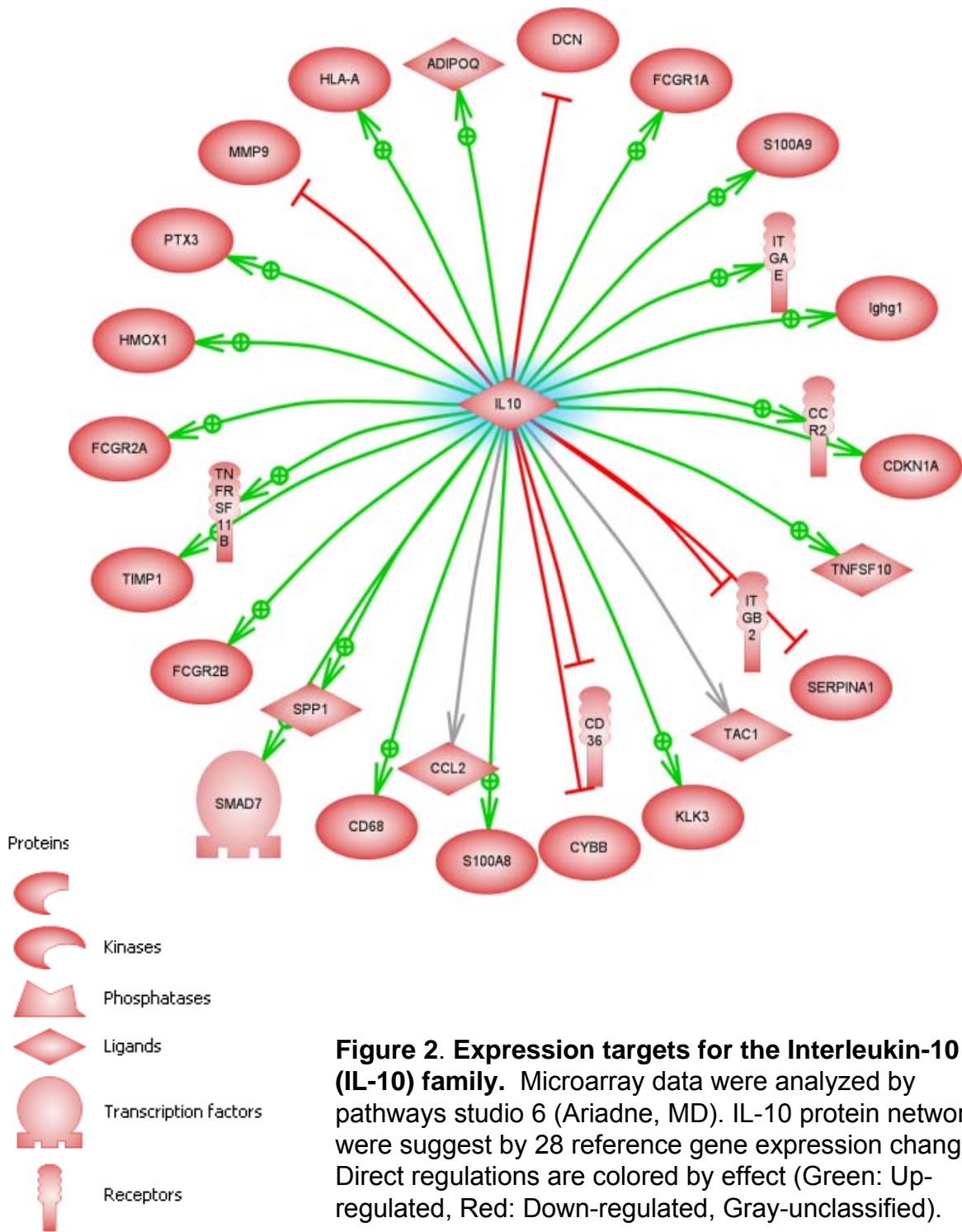


Figure 2. Expression targets for the Interleukin-10 (IL-10) family. Microarray data were analyzed by pathways studio 6 (Ariadne, MD). IL-10 protein networks were suggested by 28 reference gene expression changes. Direct regulations are colored by effect (Green: Up-regulated, Red: Down-regulated, Gray-unclassified).

Supplemental Fig. 3

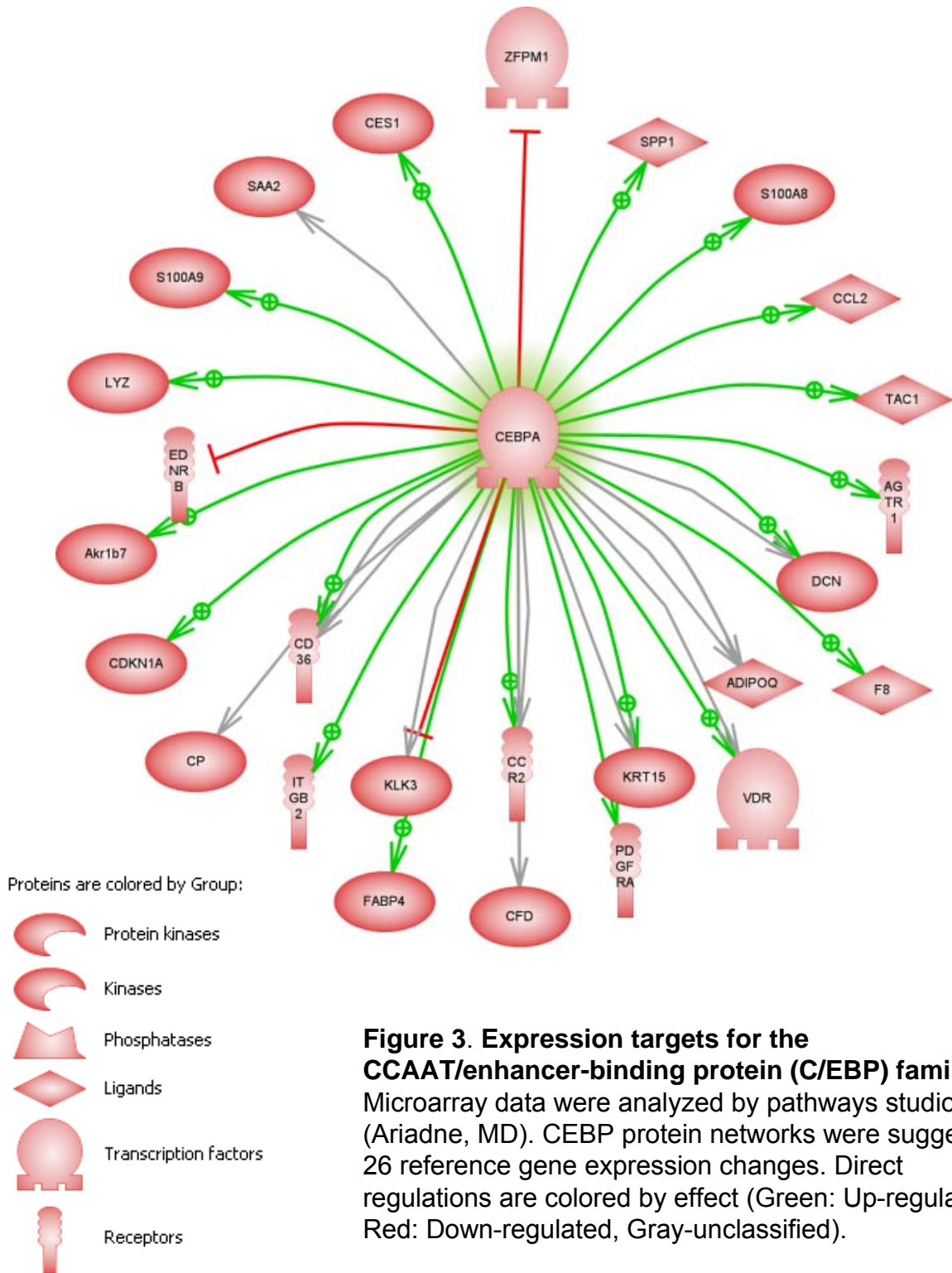


Figure 3. Expression targets for the CCAAT/enhancer-binding protein (C/EBP) family. Microarray data were analyzed by pathways studio 6 (Ariadne, MD). CEBP protein networks were suggested by 26 reference gene expression changes. Direct regulations are colored by effect (Green: Up-regulated, Red: Down-regulated, Gray-unclassified).

Supplemental Table 1. Expression Targets of the TGF family

Gene	Fold change	Description	Entrez Gene ID
S100A8	6.58	S100 calcium binding protein A8	6279, 20201, 116547
SPP1	2.46	secreted phosphoprotein 1	6696, 20750, 25353
ANXA2	2.29	annexin A2	302, 12306, 56611
TNFRSF11B	2.11	tumor necrosis factor receptor superfamily, member 11b	4982, 18383, 25341
AGTR2	1.92	angiotensin II receptor, type 2	186, 11609, 24182
PITRM1	1.89	pitrilysin metallopeptidase 1	10531, 69617, 307081
SMAD7	1.88	SMAD, mothers against DPP 6/7	
CD36	1.86	CD36 molecule (thrombospondin receptor)	12491, 29184, 499985, 685953
AGTR1	1.79	angiotensin II receptor, type 1a	185, 11607, 24180
LTC4S	1.76	leukotriene C4 synthase	4056, 17001, 114097
HMOX1	1.74	heme oxygenase (decycling) 1	3162, 15368, 24451
ITGAE	1.69	integrin, alpha E	3682, 16407
CD68	1.66	CD68 molecule	968, 12514, 287435
COL4A5	1.64	collagen, type IV, alpha 5 (Alport syndrome)	1287, 12830, 363457
CCL2	1.63	chemokine (C-C motif) ligand 12	
LYZ	1.6	lysozyme (renal amyloidosis)	4069, 17105, 17110, 25211
DCN	1.57	decorin	1634, 13179, 29139
PTH1H	1.57	parathyroid hormone-like hormone	5744, 19227, 24695
TIMP1	1.55	TIMP metallopeptidase inhibitor 1	7076, 21857, 116510
ENPP1	1.52	ectonucleotide pyrophosphatase/phosphodiesterase 1	5167, 18605, 85496
MMP9	1.52	matrix metallopeptidase 9	4318, 17395, 81687
TAC1	-1.66	tachykinin 1	
VDR	-1.69	vitamin D (1,25- dihydroxyvitamin D3) receptor	7421, 22337, 24873
PTEN	-1.72	phosphatase and tensin homolog	5728, 19211, 50557
NOTCH4	-1.77	Notch homolog 4 (Drosophila)	
COL3A1	-1.82	procollagen, type III, alpha 1	1281, 12825, 84032
PMEPA1	-1.99	prostate transmembrane protein, androgen induced 1	56937, 65112, 311676
CDKN1A	-2.11	cyclin-dependent kinase inhibitor 1A (p21, Cip1)	

Supplemental Table 2. Expression Targets of the IL-10 family

Name	Fold change	Description	Entrez Gene ID
S100A8	6.5756	S100 calcium binding protein A8	6279, 20201, 116547
S100A9	5.4416	S100 calcium binding protein A9	6280, 20202, 94195
SPP1	2.4631	secreted phosphoprotein 1 (osteopontin)	6696, 20750, 25353
TNFRSF11B	2.1111	tumor necrosis factor receptor superfamily, member 11b	4982, 18383, 25341
CCL2	2.0349	chemokine (C-C motif) ligand 12	
ITGB2	1.9885	integrin beta 2	3689, 16414, 309684
TNFSF10	1.9414	tumor necrosis factor (ligand) superfamily, member 10	
FCGR1A	1.9337	Fc fragment of IgG, high affinity Ia, receptor (CD64)	2209, 14129, 295279
SMAD7	1.8844	SMAD, mothers against DPP 6/7	
CD36	1.8591	CD36 molecule (thrombospondin receptor)	12491, 29184, 499985, 685953
CCR2	1.7982	chemokine (C-C motif) receptor 2	
FCGR2A	1.796	Fc fragment of IgG, low affinity IIa, receptor (CD32)	2212, 14131, 116591
HMOX1	1.74	heme oxygenase (decycling) 1	3162, 15368, 24451
CYBB	1.7162	cytochrome b-245, beta polypeptide	1536, 13058, 66021
ITGAE	1.687	integrin, alpha E (antigen CD103, alpha polypeptide)	3682, 16407
CD68	1.66	CD68 molecule	968, 12514, 287435
FCGR2B	1.6513	Fc fragment of IgG, low affinity IIb, receptor (CD32)	2213, 14130, 289211
PTX3	1.6431	pentraxin-related gene, rapidly induced by IL-1 beta	5806, 19288, 689388
DCN	1.57	decorin	1634, 13179, 29139
Ighg1	1.5621	immunoglobulin heavy constant gamma 1 (G1m marker)	16017
TIMP1	1.5458	TIMP metalloproteinase inhibitor 1	7076, 21857, 116510
ADIPOQ	1.5385	adiponectin, C1Q and collagen domain containing	9370, 11450, 246253
MMP9	1.52	matrix metalloproteinase 9	4318, 17395, 81687
HLA-A	-1.585	major histocompatibility complex, class I, A	
KLK3	-1.6322	kallikrein-related peptidase 3	354, 16617, 16619, 408242
TAC1	-1.6589	tachykinin 1	
SERPINA1	-1.6731	serpin peptidase inhibitor, clade A	20702, 20703, 20704, 24648
CDKN1A	-2.11	cyclin-dependent kinase inhibitor 1A (p21, Cip1)	

Supplemental Table 3. Expression targets of the CCAAT/enhancer-binding protein (C/EBP) family

Name	Fold change	Description	Entrez Gene ID
S100A8	6.5756	S100 calcium binding protein A8	6279, 20201, 116547
S100A9	5.4416	S100 calcium binding protein A9	6280, 20202, 94195
CES1	2.7993	carboxylesterase 1 (monocyte/macrophage serine esterase 1)	1066, 104158
SPP1	2.4631	secreted phosphoprotein 1 (osteopontin)	6696, 20750, 25353
FABP4	2.2407	fatty acid binding protein 4, adipocyte	2167, 11770, 79451
CFD	2.1464	complement factor D (adipsin)	1675, 11537, 54249
ITGB2	1.9885	integrin beta 2	3689, 16414, 309684
CD36	1.8591	CD36 molecule (thrombospondin receptor)	12491, 29184, 499985, 685953
CCR2	1.7982	chemokine (C-C motif) receptor 2	
AGTR1	1.7869	angiotensin II receptor, type 1a	185, 11607, 24180
EDNRB	1.6629	endothelin receptor type B	
CCL2	1.6349	chemokine (C-C motif) ligand 12	
LYZ	1.6	lysozyme (renal amyloidosis)	4069, 17105, 17110, 25211
PDGFRA	1.5972	platelet derived growth factor receptor, alpha polypeptide	
DCN	1.569	decorin	1634, 13179, 29139
ADIPOQ	1.5385	adiponectin, C1Q and collagen domain containing	9370, 11450, 246253
SAA2	1.5057	Serum amyloid A2	6289, 20210
ZFPM1	-1.5351	zinc finger protein, multitype 1	161882, 22761
F8	-1.5616	coagulation factor VIII, procoagulant component (hemophilia A)	2157, 14069, 302470
CP	-1.576	ceruloplasmin (ferroxidase)	1356, 12870, 24268
Akr1b7	-1.583	aldo-keto reductase family 1, member B7	11997
TAC1	-1.6589	tachykinin 1	
KLK3	-1.6834	kallikrein-related peptidase 3	354, 16617, 16619, 408242
VDR	-1.69	vitamin D (1,25- dihydroxyvitamin D3) receptor	7421, 22337, 24873
CDKN1A	-2.11	cyclin-dependent kinase inhibitor 1A (p21, Cip1)	
KRT15	-2.3889	keratin 15	3866, 16665, 287700

Supplemental Table 4. Confirmation of microarray data by real-time PCR.

The samples collected for the microarray analysis were subjected to real-time PCR analysis. Randomly selected genes were chosen from Supplemental Tables 1, 2 and 3. The primers were designed to amplify a product with a size of 150 -250 bases and real-time PCR performed as described in the *Materials and Methods*. Expression of each mRNA was standardized against GAPDH as a housekeeping gene and analyzed by the $2^{-\Delta\Delta CT}$ method .

Gene name	Real-time PCR Primers	Microarray fold-change	Real-time fold-change
AGTR2	F 5'-ACTGGCACCAATGAGTCCGCC-3' R 5'-AGGTTGCCAGAGAGGGAGGG-3'	1.9	1.81
CD36	F 5'-AGGGTAGGGGTTTTCTACTGAGGACT-3' R 5'-TGTTTTCTACGTGGCCCGTTCT-3'	1.86	2.66
Enpp1	F 5'-CAGCTTAATCTGACCACAGAAGATGT-3' R 5'-TGTAAGACGCCAGAGGGGCA-3'	1.52	1.40
Ltc4s	F 5'-AGGGCTTTCCACGTGTCGCC-3' R 5'-CTGAGCGCGGTATCCCTGG-3'	1.76	1.06
Spp	F 5'-TCCCCAACGGCCGAGGTGAT-3' R 5'-GCTCAGAAGCTGGGCAACAGGG-3'	2.46	2.30
Tac1	F 5'-AAATCCTCGTGGCCGTGGCG-3' R 5'-GGCTTGGGTCTTCGGGCGAT-3'	-1.66	-1.3
Cybb	F 5'-AGCACTGCACACCGCCATCC-3' R 5'-CACGGCCACATACAGGCCCC-3'	1.7	1.05
HMOX1	F 5'-AGGAGCTGCACCGAAGGGCT-3' R 5'-GTGGGCCACCAGCAGCTCAG-3'	1.74	1.62
Cp	F 5'-CTCACCAAGCAGGGCCTGGG-3' R 5'-GCCCAAGTGCTCGTCTTCTTCGG-3'	-1.54	-1.32
S100A8	F 5'- GAA CTG GAG AAG GCC TTG AG -3' R 5'- TCT TGT AGA GGG CAT GGT GA -3'	6.57	3.93
S100A9	F 5' - ACA TCA TGG AGG ACC TGG AC -3' R 5' - GAT CAA CTT TGC CAT CAG CA -3'	5.44	5.27