

Supplementary Table 1. qPCR array analysis of lactating mammary glands

Gene Name	Gene Symbol	Fold Change	P value
Actin, alpha 2, smooth muscle, aorta	Acta2	1.007	0.952921
Angiotensinogen (serpin peptidase inhibitor, clade A, member 8)	Agt	-0.3811	0.059663
Thymoma viral proto-oncogene 1	Akt1	-0.3618	0.000694
B-cell leukemia/lymphoma 2	Bcl2	5.6962	0.072379
Bone morphogenetic protein 7	Bmp7	1.7983	0.138452
Caveolin 1, caveolae protein	Cav1	1.8921	0.125982
Chemokine (C-C motif) ligand 11	Ccl11	3.1095	0.082774
Chemokine (C-C motif) ligand 12	Ccl12	14.9458	0.064527
Chemokine (C-C motif) ligand 3	Ccl3	4.2428	0.073532
Chemokine (C-C motif) receptor 2	Ccr2	1.3441	0.456906
CCAAT/enhancer binding protein (C/EBP), beta	Cebpb	1.1408	0.502797
Collagen, type I, alpha 2	Col1a2	2.042	0.251634
Collagen, type III, alpha 1	Col3a1	1.2834	0.515132
Connective tissue growth factor	Ctgf	9.6688	0.000493
Chemokine (C-X-C motif) receptor 4	Cxcr4	3.2528	0.222168
Decorin	Dcn	2.8812	0.161542
Endothelin 1	Edn1	4.7955	0.008408
Epidermal growth factor	Egf	-0.0824	0.000275
Endoglin	Eng	1.2614	0.414352
Fas ligand (TNF superfamily, member 6)	Fasl	5.2054	0.071413
Gremlin 1	Grem1	3.5472	0.043376
Hepatocyte growth factor	Hgf	6.2477	0.033817
Interferon gamma	Ifnf	3.7408	0.040548
Interleukin 10	Il10	3.7408	0.040548
Interleukin 13	Il13	3.7408	0.040548
Interleukin 13 receptor, alpha 2	Il13ra2	3.7408	0.040548
Interleukin 1 alpha	Il1a	9.8492	0.027769
Interleukin 1 beta	Il1b	0.9942	0.686127
Interleukin 4	Il4	3.8371	0.032809
Interleukin 5	Il5	3.7408	0.040548
Integrin linked kinase	Ilk	1.3195	0.283108
Inhibin beta E	Inhbe	3.7408	0.040548
Integrin alpha 1	Itga1	1.674	0.250108
Integrin alpha 2	Itga2	15.9078	0.008316
Integrin alpha 3	Itga3	2.2527	0.053860
Integrin alpha V	Itgav	0.8888	0.549481
Integrin beta 1 (fibronectin receptor beta)	Itgb1	2.4312	0.028570
Integrin beta 3	Itgb3	10.2083	0.020274
Integrin beta 5	Itgb5	0.9472	0.959936
Integrin beta 6	Itgb6	3.9586	0.009633
Integrin beta 8	Itgb8	11.3006	0.017041
Jun oncogene	Jun	5.0982	0.045830
Lysyl oxidase	Lox	2.3674	0.254695
Latent transforming growth factor beta binding protein 1	Ltbp1	16.526	0.005177
Matrix metalloproteinase 13	Mmp13	1.9075	0.208027
Matrix metalloproteinase 14 (membrane-inserted)	Mmp14	2.5609	0.190697
Matrix metalloproteinase 1a (interstitial collagenase)	Mmp1a	-0.2701	0.003133
Matrix metalloproteinase 2	Mmp2	5.2174	0.027138
Matrix metalloproteinase 3	Mmp3	5.0982	0.088642

Matrix metalloproteinase 8	Mmp8	3.7408	0.040548
Matrix metalloproteinase 9	Mmp9	3.1456	0.028853
Myelocytomatosis oncogene	Myc	1.1096	0.597355
Nuclear factor of kappa light polypeptide gene enhancer in B-cells 1, p105	Nfkb1	2.9316	0.062971
Platelet derived growth factor, alpha	Pdgfa	1.6818	0.122744
Platelet derived growth factor, B polypeptide	Pdgfb	2.558	0.048603
Plasminogen activator, tissue	Plat	1.8532	0.313317
Plasminogen activator, urokinase	Plau	2.1386	0.080600
Plasminogen	Plg	3.7408	0.040548
Serine (or cysteine) peptidase inhibitor, clade A, member 1a	Serpina1a	3.7408	0.040548
Serine (or cysteine) peptidase inhibitor, clade E, member 1	Serpine1	3.3096	0.049194
Serine (or cysteine) peptidase inhibitor, clade H, member 1	Serpinh1	1.9408	0.043046
MAD homolog 2 (Drosophila)	Smad2	2.2763	0.038846
MAD homolog 3 (Drosophila)	Smad3	0.9255	0.734813
MAD homolog 4 (Drosophila)	Smad4	1.9097	0.076663
MAD homolog 6 (Drosophila)	Smad6	2.3593	0.073593
MAD homolog 7 (Drosophila)	Smad7	1.1851	0.421310
Snail homolog 1 (Drosophila)	Snai1	3.7408	0.040548
Trans-acting transcription factor 1	Sp1	1.6491	0.213203
Signal transducer and activator of transcription 1	Stat1	2.4284	0.161467
Signal transducer and activator of transcription 6	Stat6	1.8899	0.118409
Transforming growth factor, beta 1	Tgfb1	3.685	0.100396
Transforming growth factor, beta 2	Tgfb2	0.984	0.823493
Transforming growth factor, beta 3	Tgfb3	8.4757	0.007080
Transforming growth factor, beta receptor I	Tgfr1	2.6057	0.047837
Transforming growth factor, beta receptor II	Tgfr2	1.4777	0.226295
TGFB-induced factor homeobox 1	Tgif1	2.5111	0.127256
Thrombospondin 1	Thbs1	10.5317	0.111944
Thrombospondin 2	Thbs2	3.4621	0.177138
Tissue inhibitor of metalloproteinase 1	Timp1	1.9521	0.121686
Tissue inhibitor of metalloproteinase 2	Timp2	6.5887	0.023249
Tissue inhibitor of metalloproteinase 3	Timp3	2.5315	0.085443
Tissue inhibitor of metalloproteinase 4	Timp4	-0.4132	0.014459
Tumor necrosis factor	Tnf	5.278	0.019857
Vascular endothelial growth factor A	Vegfa	1.6663	0.134336
Actin, beta	Actb	-0.4983	0.100008
Beta-2 microglobulin	B2m	1.4093	0.297612
Glyceraldehyde-3-phosphate dehydrogenase	Gapdh	0.8615	0.930723
Glucuronidase, beta	Gusb	1.0595	0.676636
Heat shock protein 90 alpha (cytosolic), class B member 1	Hsp90ab1	1.6529	0.116296
Mouse Genomic DNA Contamination	MGDC	3.7408	0.040548
Reverse Transcription Control	RTC	4.084	0.029252
Reverse Transcription Control	RTC	4.0232	0.031952
Reverse Transcription Control	RTC	4.1843	0.027501
Positive PCR Control	PPC	1.9816	0.189524
Positive PCR Control	PPC	2.1263	0.188895
Positive PCR Control	PPC	1.977	0.176254

Bold P<.05 significant, n=3