

Supplementary Table 1. Publications using Differential Display to Screen for Expressed Genes in Porcine Biology

Reviewed	Year	Authors	Title	Journal
yes	2006	Bratanich A, Blanchetot A.	A gene similar to the human hyaluronan-mediated motility receptor (RHAMM) gene is upregulated during Porcine Circovirus type 2 infection.	Virus Genes. 32(2):145-52.
no	2005	Tamiya S, Delamere NA.	Studies of tyrosine phosphorylation and Src family tyrosine kinases in the lens epithelium.	Invest Ophthalmol Vis Sci. 46(6):2076-81.
no	2005	Hishikawa D, Hong YH, Roh SG, Miyahara H, Nishimura Y, Tomimatsu A, Tsuzuki H, Gotoh C, Kuno M, Choi KC, Lee HG, Cho KK, Hidari H, Sasaki S.	Identification of genes expressed differentially in subcutaneous and visceral fat of cattle, pig, and mouse.	Physiol Genomics. 21(3):343-50.
no	2005	Liu YG, Xion YZ, Deng CY.	Isolation, sequence analysis and expression profile of a novel swine gene differentially expressed in the Longissimus dorsi muscle tissues from Landrace x Large white cross-combination	Acta Biochim Biophys Sin (Shanghai). 37(3):186-91.
yes	2004	Bertani GR, Gladney CD, Johnson RK, Pomp D.	Evaluation of gene expression in pigs selected for enhanced reproduction using differential display PCR: II. Anterior pituitary.	J Anim Sci. 82(1):32-40.
yes	2004	Gladney CD, Bertani GR, Johnson RK, Pomp D.	Evaluation of gene expression in pigs selected for enhanced reproduction using differential display PCR and human microarrays: I. Ovarian follicles.	J Anim Sci. 82(1):17-31.
no	2004	Wesolowski SR, Raney NE, Ernst CW.	Developmental changes in the fetal pig transcriptome.	Physiol Genomics. 16(2):268-74.
no	2003	Abouhamed M, Reichenberg S, Robenek H, Plenz G.	Tropomyosin 4 expression is enhanced in dedifferentiating smooth muscle cells in vitro and during atherogenesis.	Eur J Cell Biol. 82(9):473-82.
no	2003	Sinkora M, Sun J, Sinkorova J, Christenson RK, Ford SP, Butler JE.	Antibody repertoire development in fetal and neonatal piglets. VI. B cell lymphogenesis occurs at multiple sites with differences in the frequency of in-frame rearrangements.	J Immunol. 170(4):1781-8.
no	2003	Martinez-Gonzalez J, Rius J, Castello A, Cases-Langhoff C, Badimon L.	Neuron-derived orphan receptor-1 (NOR-1) modulates vascular smooth muscle cell proliferation.	Circ Res. 92(1):96-103.
no	2003	Thorne GD, Paul RJ.	Effects of organ culture on arterial gene expression and hypoxic relaxation: role of the ryanodine receptor.	Am J Physiol Cell Physiol. 284(4):C999-C1005.
no	2002	Nagasaka T, Boulday G, Fraser CC, Coupel S, Coulon F, Tesson L, Heslan JM, Soullillou JP, Charreau B.	Rapid selection of differentially expressed genes in TNF[alpha]-activated endothelial cells.	Mol Med. 8(9):559-67.
no	2002	Rodriguez C, Raposo B, Martinez-Gonzalez J, Casani L, Badimon L.	Low density lipoproteins downregulate lysyl oxidase in vascular endothelial cells and the arterial wall.	Arterioscler Thromb Vasc Biol. 22(9):1409-14.
yes	2002	Schwerin M, Dorroch U, Beyer M, Swalve H, Metzges CC, Junghans P.	Dietary protein modifies hepatic gene expression associated with oxidative stress responsiveness in growing pigs.	FASEB J. 16(10):1322-4.
no	2002	McMorrow IM, Narayan K, Sachs DH, Leguern C.	New intra-renal graft genes associated with tolerance or rejection.	Kidney Int. 61(1 Suppl):85-93.
yes	2001	Ponsuksili S, Wimmers K, Schellander K.	Application of differential display RT-PCR to identify porcine liver ESTs.	Gene. 280(1-2):75-85.
no	2001	Kim MS, Lee DY, Wang T, Schroeder JJ.	Fumonisin B(1) induces apoptosis in LLC-PK(1) renal epithelial cells via a sphinganine- and calmodulin-dependent pathway.	Toxicol Appl Pharmacol. 176(2):118-26.
yes	2001	Wang C, Hawken RJ, Larson E, Zhang X, Alexander L, Rutherford MS.	Generation and mapping of expressed sequence tags from virus-infected swine macrophages.	Anim Biotechnol. 12(1):51-67.
no	2001	Boulday G, Coupel S, Coulon F, Soullillou JP, Charreau B.	Antigraft antibody-mediated expression of metalloproteinases on endothelial cells. Differential expression of TIMP-1 and ADAM-10 depends on antibody specificity and isotype.	Circ Res. 88(4):430-7.
no	2001	Rodriguez C, Martinez-Gonzalez J, Sanchez-Gomez S, Badimon L.	LDL downregulates CYP51 in porcine vascular endothelial cells and in the arterial wall through a sterol regulatory element binding protein-2-dependent mechanism.	Circ Res. 88(3):268-74.
no	2000	Janzen MA, Kuhlers DL, Jungst SB, Louis CF.	ARPP-16 mRNA is up-regulated in the longissimus muscle of pigs possessing an elevated growth rate.	J Anim Sci. 78(6):1475-84.

no	2000	Chang HS, Cheng WT, Wu HK, Choo KB.	Identification of genes expressed in the epithelium of porcine oviduct containing early embryos at various stages of development.	Mol Reprod Dev. 56(3):331-5.
no	1999	Zhang X, Shin J, Molitor TW, Schook LB, Rutherford MS.	Molecular responses of macrophages to porcine reproductive and respiratory syndrome virus infection.	Virology. 262(1):152-62.
no	1998	Deindl E, Schaper W.	Gene expression after short periods of coronary occlusion.	Mol Cell Biochem. 186(1-2):43-51.
no	1998	Cloucard-Martinato C, Mulsant P, Robic A, Bonnet A, Gasser F, Hatey F.	Characterization of FSH-regulated genes isolated by mRNA differential display from pig ovarian granulosa cells.	Anim Genet. 29(2):98-106.
no	1998	Bals R, Welsch U, Bosch TC.	Isolation and molecular characterization of serous and mucous gland cells of the porcine airways.	Am J Respir Cell Mol Biol. 18(4):548-53.
no	1998	Motlik J, Carnwath JW, Herrmann D, Terletski V, Anger M, Niemann H.	Automated recording of RNA differential display patterns from pig granulosa cells.	Biotechniques. 24(1):148-53.
no	1997	Dico AS, Hancock J, Morrow MR, Stewart J, Harris S, Keough KM.	Pulmonary surfactant protein SP-B interacts similarly with dipalmitoylphosphatidylglycerol and dipalmitoylphosphatidylcholine in phosphatidylcholine/phosphatidylglycerol mixtures.	Biochemistry. 36(14):4172-7.
no	1997	Chwetzoff S, d'Andrea S.	Ubiquitin is physiologically induced by interferons in luminal epithelium of porcine uterine endometrium in early pregnancy: global RT-PCR cDNA in place of RNA for differential display screening.	FEBS Lett. 405(2):148-52.
no	1996	Green ML, Blaeser LL, Simmen FA, Simmen RC.	Molecular cloning of spermidine/spermine N1-acetyltransferase from the periimplantation porcine uterus by messenger ribonucleic acid differential display: temporal and conceptus-modulated gene expression.	Endocrinology. 137(12):5447-55.
no	1996	Li MD, Matteri RL, Macdonald GJ, Wise TH, Ford JJ.	Overexpression of beta-subunit of thyroid-stimulating hormone in Meishan swine identified by differential display.	J Anim Sci. 74(9):2104-11.