

**Table S1.** Primers of the ESTs used for QPCR validation

<b>NO.</b>	<b>Primer sequence 5'-3'</b>	<b>Length(bp)</b>	<b>T<sub>m</sub> (°C)</b>
AY35-1	F-AGGCTGTTTCTGTGCTTCGG	124	57
	R-CCTTTGGGTTGACCTGGATT		57
NM-00-1	F-ACAAGAAGAACAAACCCCGC	196	57
	R-GGACAGAAAACATCCCGACA		57
CN16-1	F-GTGCCATCCATCTCACTTTG	117	57
	R-CCCTCACTTCGGTCACTTCT		57
BX91-2	F-CAACGCACTACTACAGCA	155	57
	R-TACCCACTTGGACTCATC		57
NM-21-2	F-AGGAGCAGAGGAGAAATG	167	54
	R-CAGACGGTGAGGTAGAGC		54
CF78-1	F-GCTACTGCCGTCCAATC	130	54
	R-TCCAGACCTTCGTCGTT		54

T<sub>m</sub>, annealing temperature.

**Table S2.** Primers used for cDNA cloning

	EST	Primer sequence 5'-3'	T <sub>m</sub> (°C)	Length (bp)
RT-PCR	Ssc.315	F: TGGTTTAGACCCGCTTA	58	496
		R: AGTCACATCAGGAGGCAGAA	58	
	Ssc.204	F1: TTCTTGGTGCAAAGTGAGCA	60	1223
		R1: TCAGCATGAACTGTCTCCGT	60	
		F2: ATGGAGTGCCTGCTTTTGAT	60	1505
		R2: GCAATCACAAATTGCAAAGG	60	
		F3: AGGGCTTTCGGTGTCTTTTT	60	1592
		R3: AAAGAGGCTCGCAAGATCAG	60	
	Ssc.256	F1: GAATAGCCTGATGTCCACG	57	770
		R1: AAGTGCCACCAAAGCAGT	57	
		F2: GCCATTCAGTTTCTGTCACA	57	861
		R2: GTTCTCCCATTCAAGCCAT	57	
F3: TCGTCTGCCTGGAGATTGT		60	1153	
R3: CCCAAAGGCGATGTGAGTA		60		
RACE-PCR	Ssc.315	F:GAATTCATGGCTTCCTCAAGTC	62	
		R:AAACCATGACTTCGGTGAGG	60	
	Ssc.204	F:CCTTGTCTGTGCTGCTGACT	62	
		R:TAGAAACACCAGGTCCTCG	62	
	Ssc.256	F:TCAGTGACCAAACACGAGA	56	
		R:ATCGTCGTAAAGCCAGACC	58	

T<sub>m</sub>, annealing temperature.

**Table S3.** Primers used for chromosomal location

<b>EST</b>	<b>Primer sequence 5'-3'</b>	<b>T<sub>m</sub> ( °C)</b>	<b>Length (bp)</b>
Ssc.315	F: GAAGCCGAATGACATCCTGT	58	283
	R: AAACCATGACTTCGGTGAGG	58	
Ssc.204	F: CAGTGTTTGTCCCTCTGAGTCAT	58	321
	R: GGGTTGTTTCACAGGCATC	58	
Ssc.256	F: CTTTGCTAAGAGCCTTTCTGAG	58	495
	R: GGTAGAGGAACATTGGAGGA	58	

T<sub>m</sub>, annealing temperature.

**Table S4.** Primers used for DNA cloning

<b>Loci</b>	<b>Primer</b>	<b>Primer sequence 5'-3'</b>	<b>Length (bp)</b>	<b>Tm ( °C)</b>
<i>DPPA5</i>	D1	F: AGCAGCAAAGCAAACAAC	1143	53.5
		R: GCCACTTATTAGGGAAGACC		53.5
	D2	F: TTAATGATCTATGGTCTAGGGCTT	599	59.0
		R: ATGGTCTGTTTTCTTCGTCC		59.0
	D3	F: AGTCGGGTAATCAGTGTC	541	55.0
		R: GAGGGATGGTTAGGAAGC		55.0
	D4	F: CCAGCGTCAGGAACGAGGTG	528	55.0
		R: TTCATCGGAGGACATAGC		55.0
	D5	F: CACACCTGCTATTGCTTTC	652	55.0
		R: GCCTTCTATGGAGTTTACA		55.0
<i>FP</i>	F1	F: TGCCAGTGAGAGAGGAAAGA	1044	57.0
		R: TGTTGACCCAAAGAGATGTG		57.0
	F2	F: ATCTACCACAGGGGAAAAC	569	55.5
		R: ACTGAGCAAGGGCAAGGA		55.5
	F3	F: TGCTACTGGAGTTCCCGTCG	1137	60.5
		R: GGGTGGCTAAACCTCAGTCG		60.5
	F4	F: CCACAGGGTGCTAGGGGATG	1165	55.0
		R: TAATTCTGGGCTTGCGAGGA		55.0
	F5	F: ATTCAGAGGTCTACATCATTGC	592	56.1
		R: AAAGTGCCCCCAAACCTACC		56.1
<i>MAL2</i>	M1	F: CACAATCACAGGCACAGT	941	55.5
		R: ACACTTGCTTTCCTACCG		55.5
	M2	F: GTGCTTCTCCTCCTTTGATTC	1093	55.0
		R: CACCTGCCTGAAACTTATGAC		55.0
	M3	F: AGCAAGGAATCCAAACCATAC	663	55.0
R: CGCTCCTGGAGGGTCTTAA		55.0		
M4	F: GGGGTGGAAGGAACACGAGC	672	62.5	

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	R: GTAACAGGTGCCAGGCGAGA		62.5
M5	F: CAAGGCAGCACCCAAGCA	417	63.0
	R: AGTTACTGTGGCTGTGGCG		63.0
M6	F: TTGCTAAGGGAGCCGAA	495	57.0
	R: CAGTTTCATCCTCCACAGC		57.0
M7	F: AGTGGTGTGAGGGGATAG	364	55.0
	R: TTGGGGACGTTGTTGTA		55.0

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T<sub>m</sub>, annealing temperature.

**Table S5.** The Statistic of Differential Expressed Genes in Ovary and Myometrium

<b>Group</b>	<b>Expression Feature</b>	<b>Filter Methods</b>	<b>Number</b>
A	2-fold up in ME	Filter on expression level	1306
B	2-fold down in ME	Filter on expression level	1466
C	2-fold up in ML	Filter on expression level	1714
D	2-fold down in ML	Filter on expression level	1884
E	2-fold up in OE	Filter on expression level	345
F	2-fold down in OE	Filter on expression level	290
G	2-fold up in OL	Filter on expression level	379
H	2-fold down in OL	Filter on expression level	631
A1	2-fold up only in ME	$A-A \cap C$	418
B1	2-fold down only in ME	$B-B \cap D$	556
C1	2-fold up only in ML	$C-A \cap C$	826
D1	2-fold down only in ML	$D-B \cap D$	974
E1	2-fold up only in OE	$E-E \cap G$	189
F1	2-fold down only in OE	$F-F \cap H$	146
G1	2-fold up only in OL	$G-E \cap G$	223
H1	2-fold down only in OL	$H-F \cap H$	487

ME, Myometrium Early Pregnant Period; ML, Myometrium Late Pregnant Period; OE, Ovary Early Pregnant Period; OL, Ovary Late Pregnant Period.

**Table S6.** Genes Expressed during EP Relative to NP (EP/NP) in Myometrium

<b>Affy ID</b>	<b>EP/NP Log ratio</b>	<b>Gene description</b>
Ssc.7484.1.S1_at	10.9	pregnancy-associated glycoprotein 6
Ssc.15773.1.S1_at	9.5	alpha-1-antichymotrypsin 2
Ssc.2506.1.S1_at	9.4	placenta expressed transcript protein
Ssc.279.1.S1_at	9.2	steroidogenic acute regulatory protein
Ssc.12341.1.S1_at	8.9	uteroferrin associated basic protein-2
Ssc.6609.1.S1_at	8.8	membrane-bound folate binding protein
Ssc.2867.1.S1_at	8.3	hemoglobin, epsilon 1
Ssc.279.1.S2_at	8.2	steroidogenic acute regulatory protein
Ssc.7484.2.S1_at	8.2	Pregnancy-associated glycoprotein 6
Ssc.1332.1.S1_at	7.8	sulfotransferase family, cytosolic, 2A, dehydroepiandrosterone (DHEA)-preferring, member 1
Ssc.250.1.S1_at	7.8	20-beta-hydroxysteroid dehydrogenase
Ssc.3141.1.S1_at	7.8	plasmin trypsin inhibitor
Ssc.15906.1.S1_at	7.6	pregnancy-associated glycoprotein 3
Ssc.203.1.S1_at	7.6	cytochrome P450 3A39
Ssc.14541.1.S1_s_a t	6.4	cytochrome P450 19A1
Ssc.22641.3.S1_at	6.2	Sarcoplasmic/endoplasmic-reticulum Ca(2+) pump gene 2
Ssc.27964.2.S1_at	6.1	GATA binding protein 3
Ssc.8776.1.S1_at	6.0	cytochrome P450 11A1
Ssc.12.1.S1_at	5.8	estrogen sulfotransferase
Ssc.15695.1.S1_at	5.8	retinol-binding protein
Ssc.16377.1.A1_at	5.8	glutathione S-transferase
Ssc.16131.1.S1_at	5.6	glucose transporter type 2
Ssc.2819.1.S1_at	5.4	calsarcin 1
Ssc.575.1.S1_at	5.4	uteroferrin
Ssc.63.1.S1_a_at	5.3	solute carrier family 5, member 5
Ssc.16236.1.S1_at	5.2	dipeptidyl peptidase IV
Ssc.350.1.S1_at	5.2	Epididymal secretory protein E3
Ssc.6634.2.S1_at	5.2	Thy-1 cell surface antigen
Ssc.7158.1.A1_a_at	4.9	calpain I light subunit
Ssc.9991.1.S1_at	4.9	parathyroid hormone-like hormone
Ssc.27304.1.S1_at	4.7	Thymosin beta-4
Ssc.37.1.S1_at	4.7	haptoglobin alpha 1S
Ssc.14513.1.S1_at	4.6	epididymis-specific glutathione peroxidase 23kDa subunit
Ssc.14393.2.S1_x_ at	4.5	3-beta-hydroxysteroid dehydrogenase/delta-5-delta-4 isomerase
Ssc.17518.1.S1_at	4.5	A1 adenosine receptor

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Ssc.17717.1.S1_at	4.5	argininosuccinate synthetase 1
Ssc.4984.1.S1_at	4.4	chemokine
Ssc.724.1.S1_at	4.4	acrosin inhibitor
Ssc.14393.1.S1_at	4.3	3-beta-hydroxysteroid dehydrogenase/delta-5-delta-4 isomerase
Ssc.19694.1.S1_at	4.3	glutathione peroxidase 3
Ssc.21256.1.S2_at	4.3	leukemia inhibitory factor
Ssc.4093.1.A1_at	4.3	interferon-gamma
Ssc.4152.1.A1_at	4.3	putative aldo-keto reductase family 1 member C4
Ssc.569.1.S1_at	4.3	MAT-8 protein
Ssc.101.1.S1_at	4.2	secreted phosphoprotein-I
Ssc.14484.1.A1_at	4.1	cytochrome P450 19A1
Ssc.14563.1.S1_at	4.1	granulin
Ssc.27964.1.S1_at	4.1	GATA binding protein 3 (GATA 3)
Ssc.23501.1.S1_s_a t	4.0	Endogenous retrovirus Tsukuba-1 mRNA, complete sequence
Ssc.16335.1.S2_at	3.9	lipoprotein lipase
Ssc.17.1.S1_at	3.9	Rh type B glycoprotein
Ssc.248.1.S1_at	3.9	acylneuraminase lyase
Ssc.6019.1.S1_at	3.9	deoxyribonuclease II
Ssc.7314.1.A1_at	3.9	prostaglandin G/H synthase-2
SscAffx.21.1.S1_at	3.9	cholesterol 7alpha-hydroxylase
Ssc.16377.2.A1_at	3.7	Glutathione S-transferase
Ssc.3196.1.S1_at	3.7	65 kDa epididymal boar protein
Ssc.3517.2.S1_at	3.7	Plasma phospholipid transfer protein
Ssc.14484.3.A1_a_ at	3.6	cytochrome P450 19A1
Ssc.20133.1.A1_at	3.6	Thy-1 cell surface antigen
Ssc.2976.1.S1_at	3.6	Heart and neural crest derivatives expressed 1
Ssc.6634.1.A1_at	3.6	Thy-1 cell surface antigen
Ssc.11257.1.S1_at	3.5	tissue inhibitor of metalloproteinase-2
Ssc.19612.1.S1_at	3.4	Multidrug resistance protein 1
Ssc.5105.2.S1_a_at	3.4	G protein-coupled receptor
Ssc.6391.1.S1_at	3.4	glucose transport protein
Ssc.16562.1.S1_at	3.3	porcine inhibitor of carbonic anhydrase
Ssc.2258.1.S1_at	3.3	transcription factor GATA-6
Ssc.314.1.S1_at	3.3	pro-adrenomedullin
Ssc.3326.1.S1_at	3.3	Cbp/p300-interacting transactivator with Glu/Asp-rich carboxy-terminal domain 1
Ssc.16336.1.S1_at	3.2	malate dehydrogenase decarboxylase (NADP+)
Ssc.16336.1.S2_at	3.2	malate dehydrogenase decarboxylase (NADP+)
Ssc.24282.1.S1_at	3.2	Beta 2-microglobulin
Ssc.14475.3.S1_a_ at	3.1	peroxisome proliferator-activated receptor gamma 1

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Ssc.1183.1.S1_at	3.0	six transmembrane endothelial antigen of PAEC
Ssc.16333.1.S1_at	3.0	ATP-binding cassette, sub-family B (MDR/TAP), member 1
Ssc.16377.1.A1_s_at	3.0	glutathione S-transferase /// glutathione S-transferase
Ssc.17806.1.A1_at	3.0	TCR-a mRNA for T cell receptor alpha chain, partial cds, clone:PPA125
Ssc.3059.1.S1_at	3.0	aldose reductase
Ssc.16342.1.A1_at	2.9	nexin-1
Ssc.19914.1.S1_at	2.9	mesoderm-specific transcript
Ssc.5249.1.S1_at	2.9	hydroxymethylbilane synthase
Ssc.16229.1.S1_at	2.8	link protein precursor (AA -15 to 339)
Ssc.16332.1.S1_at	2.8	Multidrug resistance associated protein 2
Ssc.16335.1.S1_at	2.8	lipoprotein lipase
Ssc.8552.3.S1_a_at	2.8	alpha-1,3-galactosyltransferase
Ssc.21369.1.A1_s_at	2.7	alpha-1,3-galactosyltransferase
Ssc.29004.1.S1_at	2.7	bone morphogenetic protein 2
Ssc.38.1.S1_at	2.7	transferrin receptor
Ssc.607.1.S1_at	2.7	glucose transporter type 3
Ssc.7429.1.A1_at	2.7	Link protein precursor (AA -15 to 339)
Ssc.9245.1.S1_at	2.7	galactose mutarotase
Ssc.1310.1.S1_at	2.6	microsomal prostaglandin E synthase-1
Ssc.2635.1.S1_at	2.6	Hydroxysteroid 11-beta dehydrogenase 2
Ssc.828.1.S1_at	2.6	Solute carrier family 26, member 6
Ssc.8552.1.S2_a_at	2.6	alpha-1,3-galactosyltransferase
Ssc.115.1.S1_s_at	2.5	heme oxygenase
Ssc.15817.1.S1_at	2.5	peptidoglycan recognition protein
Ssc.16297.1.S2_at	2.5	E-selectin
Ssc.9467.1.S1_at	2.5	claudin-1 protein
Ssc.1674.1.A1_at	2.4	Glucose transporter type 3
Ssc.17339.1.S1_at	2.4	peptide transporter 1
Ssc.19907.1.S1_at	2.4	tissue factor
Ssc.3921.1.S1_at	2.4	endothelial PAS domain protein 1
Ssc.4190.1.S1_at	2.4	Bone morphogenetic protein 2
Ssc.4989.1.A1_at	2.4	cystathionase
Ssc.16218.1.S1_at	2.3	integrin, alpha 2 (CD49B, alpha 2 subunit of VLA-2 receptor)
Ssc.18422.1.S1_a_at	2.3	DNase X
Ssc.231.1.S2_at	2.3	ferredoxin
Ssc.2873.1.S1_at	2.3	G-beta like protein
Ssc.62.2.S1_a_at	2.3	interleukin-6 protein
Ssc.864.1.S1_at	2.3	complement regulator factor H

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Ssc.16053.1.S1_at	2.2	matrix metalloproteinase 13 precursor
Ssc.28893.1.A1_at	2.2	cathepsin D
Ssc.8516.1.A1_at	2.2	glutathione S-transferase
Ssc.9637.1.S1_at	2.2	glutamine synthetase
Ssc.12975.1.S1_at	2.1	pleiotrophic factor beta
Ssc.15248.2.S1_at	2.1	Heparin binding protein
Ssc.18850.1.S1_at	2.1	Unidentified hepatic protein mRNA
Ssc.4360.1.A1_at	2.1	heart fatty acid-binding protein
Ssc.455.1.S1_at	2.1	allograft inflammatory factor-1
Ssc.64.1.S1_at	2.1	brain multidrug resistance protein
Ssc.94.1.A1_at	2.1	unconventional myosin
Ssc.9781.1.S1_at	2.1	plasminogen activator inhibitor I
Ssc.14522.1.S1_at	2.0	vascular cell adhesion molecule
Ssc.15588.1.S2_at	2.0	insulin-like growth factor-binding protein 3
Ssc.16250.1.S2_at	2.0	interleukin 1 receptor antagonist
Ssc.16324.1.S1_at	2.0	syndecan 4
Ssc.16447.1.S1_at	2.0	variant hepatic nuclear factor 1
Ssc.17512.1.S1_at	2.0	Unidentified hepatic protein mRNA
Ssc.27370.1.S1_at	2.0	Glycoprotein GP36B
Ssc.924.2.A1_at	2.0	Thrombospondin 1 (THBS1 gene), isolated from hind limb skeletal muscle
Ssc.15740.1.S2_at	1.9	vascular endothelial growth factor
Ssc.16051.1.S1_at	1.9	cellular disintegrin precursor
Ssc.16674.1.S1_at	1.9	Claudin-4
Ssc.16963.1.S1_at	1.9	Chromosome 17 clone pkmCon58, mRNA sequence
Ssc.21343.1.S1_at	1.9	Endogenous retrovirus ERV-PK15 mRNA, complete sequence
Ssc.8764.1.S1_at	1.9	ATP-binding cassette, sub-family B (MDR/TAP), member 1
SscAffx.4.1.S1_at	1.9	purinergic receptor P2Y2
Ssc.10961.1.S1_at	1.8	myozenin 1
Ssc.14490.1.S1_at	1.8	NADP dependent leukotriene b4 12-hydroxydehydrogenase
Ssc.170.1.S1_at	1.8	arginase I
Ssc.600.1.S1_s_at	1.8	metallothionein
Ssc.777.1.S1_at	1.8	11-beta hydroxysteroid dehydrogenase isoform 1
Ssc.15923.1.S1_at	1.7	keratinocyte growth factor
Ssc.286.1.S1_s_at	1.7	inflammatory response protein 6
Ssc.373.1.S1_at	1.7	matrix Gla protein
Ssc.3968.1.S1_at	1.7	Epididymal secretory protein E4
SscAffx.9.1.S1_at	1.7	fibrinogen-like protein 2
Ssc.12579.1.A1_s_at	1.6	fibrinogen-like protein 2
Ssc.1533.1.S1_at	1.6	Niemann-Pick C disease protein

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Ssc.15588.1.S1_at	1.6	insulin-like growth factor-binding protein 3
Ssc.15843.1.S1_at	1.6	putative golgi GDP-fucose translocator
Ssc.23491.1.S1_at	1.6	TNF-receptor associated factor 6
Ssc.9637.1.S2_at	1.6	glutamine synthetase
Ssc.12017.1.A1_at	1.5	Unidentified hepatic protein mRNA
Ssc.15916.1.S1_at	1.5	outwardly rectifying chloride channel
Ssc.15924.1.S1_at	1.5	activin receptor IIA
Ssc.16621.1.S1_at	1.5	high-affinity glutamate transporter EAAC1
Ssc.20.1.S1_at	1.5	interleukin-18
Ssc.30540.1.A1_at	1.5	Melanoma cell adhesion molecule
Ssc.384.1.A1_a_at	1.5	glutamine fructose aminotransferase
Ssc.4371.1.S1_at	1.5	N-acetylgalactosamine-6-sulfatase precursor
Ssc.5712.1.S1_at	1.5	cytochrome P450 51
Ssc.7645.1.A1_at	1.5	Cofilin 2
Ssc.870.1.S1_at	1.5	complement C7
Ssc.9738.1.A1_at	1.5	CCAAT/enhancer binding protein beta
Ssc.118.1.S1_at	1.4	H+ ATPase
Ssc.14488.1.S1_at	1.4	folylpoly-gamma-glutamate carboxypeptidase
Ssc.17347.1.S1_at	1.4	pyruvate carboxylase
Ssc.20525.1.S1_at	1.4	Insulin-like-growth factor 2
Ssc.22050.1.S1_s_a	1.4	fibrinogen-like protein 2
t		
Ssc.22086.1.A1_at	1.4	melanoma antigen family D, 1
Ssc.2306.1.S1_at	1.4	heme binding protein
Ssc.266.1.S1_at	1.4	salivary lipocalin
Ssc.3593.1.S1_at	1.4	cathepsin H
Ssc.6080.1.S1_at	1.4	antileukoproteinase
Ssc.7645.2.S1_at	1.4	Cofilin 2
Ssc.9029.1.S1_at	1.4	Cystatin C (CST3)
Ssc.9365.2.S1_a_at	1.4	insulin-like-growth factor 2
Ssc.10960.1.S1_at	1.3	carbonic anhydrase III
Ssc.14467.2.S1_a_at	1.3	amphiregulin long form
Ssc.16234.1.S1_at	1.3	haptocorrin
Ssc.16346.1.S1_at	1.3	fibroblast growth factor receptor
Ssc.18422.1.S1_at	1.3	DNase X
Ssc.25045.1.S1_at	1.3	vascular endothelial growth factor 2
Ssc.2599.1.S1_at	1.3	putative membrane steroid receptor
Ssc.670.1.S1_at	1.3	lysozyme
Ssc.820.1.S1_at	1.3	aminopeptidase N
Ssc.9291.1.A1_at	1.3	palmdelphin
Ssc.116.1.S1_at	1.2	gamma-glutamyl transpeptidase
Ssc.283.1.S1_at	1.2	L-kynurenine 3-monooxygenase Fpk
Ssc.5264.1.A1_at	1.2	UDP glucose pyrophosphorylase

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Ssc.5549.1.S1_at	1.2	fatty acid binding protein 5
Ssc.6097.1.S1_a_at	1.2	thioredoxin reductase
Ssc.7354.1.A1_at	1.2	Ras-related protein Rab-11A
Ssc.7357.1.A1_at	1.2	FAT mRNA, partial sequence
Ssc.8774.1.S1_at	1.2	sterol-C4-methyl oxidase-like protein
Ssc.951.1.S1_at	1.2	Ras-related protein Rab-11A
Ssc.14533.1.S1_at	1.1	N-acyl-D-glucosamine 2-epimerase
Ssc.15863.1.S1_at	1.1	mono (ADP-ribosyl)transferase
Ssc.16125.1.S1_x_at	1.1	Eukaryotic translation elongation factor 1 alpha 1
Ssc.19364.1.S1_at	1.1	complement C2
Ssc.19390.1.S1_at	1.1	small GTPase
Ssc.1947.1.S1_at	1.1	Fas-associating death domain-containing protein
Ssc.47.1.S1_at	1.1	insulin-like growth factor binding protein 2
Ssc.5604.1.S1_at	1.1	protein S
Ssc.6918.1.A1_at	1.1	acyl-CoA synthetase long-chain family member 4
Ssc.746.1.S1_a_at	1.1	54 kDa vacuolar H(+)-ATPase subunit
Ssc.83.1.S1_at	1.1	aminopeptidase A
Ssc.8774.2.A1_at	1.1	Sterol-C4-methyl oxidase-like protein
Ssc.9365.3.S1_x_at	1.1	insulin-like-growth factor 2
Ssc.11784.1.S1_at	1.0	metalloproteinase tissue inhibitor 1
Ssc.16250.1.S1_at	1.0	interleukin 1 receptor antagonist
Ssc.16440.1.S1_at	1.0	Ubiquitin-like/S30 ribosomal fusion protein
Ssc.16603.1.A1_at	1.0	Alpha-2-macroglobulin
Ssc.20571.1.S1_a_at	1.0	beta-tropomyosin
Ssc.20674.1.A1_at	1.0	S.domesticus mRNA for pyruvate dehydrogenase E1 alpha
Ssc.21418.1.S1_at	1.0	Eukaryotic translation elongation factor 1 alpha 1
Ssc.21802.1.S1_at	1.0	CCL19 chemokine
Ssc.26282.1.S1_a_at	1.0	Ribosomal protein S23
Ssc.295.1.A1_at	1.0	glutaminase
Ssc.3706.1.S2_at	1.0	superoxide dismutase (Mn type)
Ssc.6009.1.S1_a_at	1.0	alpha-amylase
Ssc.6097.1.S1_at	1.0	thioredoxin reductase
Ssc.6685.2.A1_at	1.0	Crocalbin-like protein
Ssc.68.1.A1_at	1.0	succinate-CoA ligase, ADP-forming, beta subunit
Ssc.810.1.S1_at	1.0	Scavenger receptor class B member 2
Ssc.957.1.S1_at	1.0	Beta-fibrinogen (pot.) mRNA
Ssc.9592.1.A1_at	1.0	transmembrane protein 59
Ssc.2609.1.S1_at	-5.5	troponin I
Ssc.15942.3.S1_x_at	-5.3	Immunglobulin VDJ region /// Clone 2 immunoglobulin heavy chain

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Ssc.11208.1.S1_at	-5.0	Ig rearranged kappa chain mRNA V-J-C-regions, 3' end
Ssc.29100.1.S1_at	-5.0	Chemokine CCL28
Ssc.16365.1.S1_at	-4.9	uroplakin 3
Ssc.21810.1.S1_at	-4.7	paraoxonase 3
Ssc.103.1.S1_at	-4.6	protein phosphatase 2A 55 kDa regulatory subunit, beta isoform
Ssc.13778.1.S1_at	-4.6	IgG heavy chain
Ssc.17718.1.S1_at	-4.6	Immunoglobulin alpha heavy chain constant region (IgA C alpha)
Ssc.26321.1.S1_s_at	-4.5	cytochrome P450 2C32 /// cytochrome P450 2C34 /// cytochrome P450 2C35 /// cytochrome P450 2C36 /// cytochrome P450 2C49
Ssc.429.1.A1_at	-3.9	calbindin D-9k
Ssc.19946.1.S1_at	-3.8	Ig rearranged lambda chain mRNA V-J-C-regions, 3' end
Ssc.11070.1.S1_at	-3.7	Ig gamma 2b chain constant region
Ssc.13769.1.S1_at	-3.6	lactoferrin
Ssc.15890.1.S1_at	-3.3	vanin-1
Ssc.15942.2.S1_x_at	-3.3	Immunoglobulin VDJ region /// Clone 2 immunoglobulin heavy chain
Ssc.19692.1.S1_at	-3.3	chemokine ligand 2
Ssc.24401.1.A1_s_at	-3.3	Low molecular weight kininogen
Ssc.7243.1.A1_at	-3.3	CXCL12 chemokine
Ssc.12005.1.A1_at	-3.1	HLA-B associated transcript 1
Ssc.16144.1.S1_at	-3.1	estradiol receptor
Ssc.15997.1.S1_at	-3.0	Progesterone receptor
Ssc.16187.1.S1_at	-3.0	prostaglandin D synthase
Ssc.16359.2.S1_s_at	-2.9	Immunoglobulin E epsilon chain precursor /// Ig gamma 2b chain constant region
Ssc.11190.1.S1_at	-2.8	Ig mu-chain mRNA C-region, 3' end
Ssc.161.1.S1_at	-2.8	Na <sup>+</sup> /glucose cotransporter
Ssc.16163.1.S1_at	-2.8	glycine N-methyltransferase
Ssc.17615.1.S1_at	-2.8	Na <sup>+</sup> , K <sup>+</sup> -ATPase beta-subunit
Ssc.18613.1.S1_at	-2.7	chemokine (C-C motif) ligand 21
Ssc.246.1.S1_at	-2.7	Na <sup>+</sup> , K <sup>+</sup> -ATPase beta-subunit
Ssc.26221.1.S1_at	-2.7	CXCL12 chemokine
Ssc.15694.1.S1_at	-2.5	metallothionein-III
Ssc.16231.1.S1_a_at	-2.5	insulin-like growth factor
Ssc.22676.1.S1_at	-2.5	chemokine C-X-C motif receptor 6
Ssc.2698.1.S1_at	-2.5	fatty acid amide hydrolase
Ssc.11075.3.S1_a_at	-2.3	T-cell receptor beta chain mRNA C-region, 3' end of

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at		cds
Ssc.18554.1.S1_x_	-2.3	SLA-1 mRNA for MHC class I antigen, partial cds,
at		allele:SLA-1*02
Ssc.4871.1.S1_at	-2.3	chemokine ligand 2
Ssc.11075.1.S1_a_	-2.2	T-cell receptor beta chain mRNA C-region, 3' end of
at		cds
Ssc.11075.6.S1_x_	-2.2	T-cell receptor beta chain mRNA C-region, 3' end of
at		cds
Ssc.155.1.S1_at	-2.2	neuronal endocrine protein
Ssc.16039.1.S1_at	-2.2	regulator of G-protein signalling 1
Ssc.19565.2.A1_at	-2.2	tachykinin 3
Ssc.11075.1.S1_x_	-2.1	T-cell receptor beta chain mRNA C-region, 3' end of
at		cds
Ssc.11787.1.S1_at	-2.1	Chromosome 17 clone pkmCon20, mRNA sequence
Ssc.16231.3.S1_a_	-2.1	insulin-like growth factor
at		
Ssc.19393.1.S1_at	-2.1	Deleted in malignant brain tumors 1 protein (DMBT1
		gene)
Ssc.19673.1.S1_at	-2.0	CD3 antigen, delta polypeptide
Ssc.11075.11.S1_x_	-1.9	T-cell receptor beta chain mRNA C-region, 3' end of
_at		cds
Ssc.15871.1.S1_a_	-1.9	killer cell lectin-like receptor subfamily K, member 1
at		
Ssc.18552.1.S1_at	-1.9	SLA-2 mRNA for MHC class I antigen, partial cds,
		allele:SLA-2*04
Ssc.2073.1.A1_at	-1.9	ubiquitin carboxyl-terminal hydrolase L1
Ssc.428.5.S1_at	-1.9	T-cell receptor alpha chain mRNA C-region, 3' end of
		cds
Ssc.5142.1.S1_at	-1.9	Autotaxin
Ssc.15960.1.S1_at	-1.8	CD38 protein (5'; clone 5B7)
Ssc.206.1.S1_at	-1.8	cytochrome P450 2C49
Ssc.4741.1.S1_at	-1.8	muscle phosphofructokinase
Ssc.11742.2.S1_at	-1.7	Glutathione peroxidase 4
Ssc.14521.1.S1_at	-1.7	aldehyde reductase
Ssc.180.1.S1_at	-1.7	T-cell receptor gamma4 chain mRNA C-region, 3'
		end of cds
Ssc.19638.1.S1_at	-1.7	tenascin-X
Ssc.428.6.S1_a_at	-1.7	T-cell receptor alpha chain mRNA C-region, 3' end of
		cds
Ssc.10247.2.A1_at	-1.6	Hypothetical protein
Ssc.11147.1.S1_at	-1.6	mitochondrial aldehyde dehydrogenase 2
Ssc.15973.1.S1_at	-1.6	ATP-diphosphohydrolase
Ssc.18652.1.S1_at	-1.6	interleukin-16 precursor
Ssc.21774.1.S1_at	-1.6	Bone morphogenetic protein 7

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Ssc.23489.1.S1_at	-1.6	CD8 antigen alpha polypeptide
Ssc.24344.1.S1_at	-1.6	DNA methyltransferase 1
Ssc.25314.1.S1_a_at	-1.6	S-adenosylhomocysteine hydrolase
Ssc.27881.1.S1_at	-1.6	hyaluronan synthase 3
Ssc.5569.1.S1_at	-1.6	thyroid hormone receptor alpha 2
Ssc.5895.1.A2_at	-1.6	COL6A1 mRNA for type VI collagen alpha-1 chain, partial cds, C-terminal domain
SscAffx.20.1.S1_at	-1.6	CD3 antigen gamma chain
Ssc.13397.1.S1_at	-1.5	ADP-ribosylation factor-like protein 3
Ssc.13780.11.S1_x_at	-1.5	MHC class I PD7 mRNA, partial 3' UTR
Ssc.14544.1.S1_at	-1.5	folate binding protein
Ssc.16296.1.S1_at	-1.5	NADPH oxidase light chain subunit
Ssc.16350.1.S1_at	-1.5	uncoupling protein 2
Ssc.17001.1.S1_at	-1.5	P55CDC
Ssc.22030.1.S1_at	-1.5	RANTES protein
Ssc.383.1.S1_at	-1.5	odd homeobox 1 protein
Ssc.66.1.S3_at	-1.5	bone morphogenetic protein receptor, type IB
Ssc.10247.1.S1_at	-1.4	Hypothetical protein
Ssc.10536.1.S1_at	-1.4	apoptosis-related protein
Ssc.11381.1.S1_at	-1.4	interferon (alpha, beta and omega) receptor 1
Ssc.1163.1.S1_at	-1.4	proteasome activator 28 alpha subunit
Ssc.11661.2.S1_at	-1.4	protein phosphatase 1 catalytic subunit gamma isoform
Ssc.12438.1.A1_at	-1.4	Ubiquitin-like/S30 ribosomal fusion protein
Ssc.428.10.S1_s_at	-1.4	TCR-a mRNA for T cell receptor alpha chain, partial cds, clone:PPA191 /// TCR-a mRNA for T cell receptor alpha chain, partial cds, clone:PPA134 /// T-cell receptor alpha chain mRNA C-region, 3' end of cds
Ssc.14243.1.S1_at	-1.3	cyclin B
Ssc.14530.1.S1_at	-1.3	long-chain acyl-CoA dehydrogenase
Ssc.415.1.S1_at	-1.3	Muscle creatine kinase
Ssc.11170.1.S1_at	-1.2	pyridoxal kinase
Ssc.1193.3.A1_at	-1.2	Karyopherin alpha 3
Ssc.14456.1.S1_at	-1.2	heterogeneous nuclear ribonucleoprotein
Ssc.14506.1.S1_at	-1.2	topoisomerase II
Ssc.15749.1.S1_at	-1.2	cyclin D2
Ssc.16041.1.S1_at	-1.2	dimeric dihydrodiol dehydrogenase
Ssc.16096.2.S1_a_at	-1.2	mast/stem cell growth factor receptor
Ssc.17159.1.S1_at	-1.2	Voltage-dependent anion channel 2
Ssc.214.1.S1_at	-1.2	fibroblast growth factor 9

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Ssc.23221.1.S1_at	-1.2	ovarian and testicular apolipoprotein N
Ssc.28428.1.S1_at	-1.2	Ornithine decarboxylase
Ssc.28645.1.A1_at	-1.2	cationic amino acid transporter-1
Ssc.5376.1.A1_at	-1.2	CD3Z for CD3 zeta chain
Ssc.7286.1.S1_at	-1.2	cyclin-dependent kinase inhibitor 3
Ssc.8278.1.S1_at	-1.2	soluble epoxide hydrolase
Ssc.11073.1.S1_at	-1.1	proteasome subunit LMP7
Ssc.11168.1.A1_at	-1.1	proteasome beta 10 subunit
Ssc.11719.1.A1_at	-1.1	HLA-B associated transcript 1
Ssc.1193.1.A1_at	-1.1	Karyopherin alpha 3
Ssc.12191.1.A1_at	-1.1	90-kDa heat shock protein
Ssc.13780.3.S1_at	-1.1	MHC class I PD7 mRNA, partial 3' UTR
Ssc.15736.2.A1_at	-1.1	Testis enhanced gene transcript
Ssc.2192.1.A1_at	-1.1	UPF3 regulator of nonsense transcripts-like protein B
Ssc.23006.1.S1_at	-1.1	Unidentified hepatic protein mRNA
Ssc.3303.1.S1_at	-1.1	COL6A2 mRNA for type VI collagen alpha-2 chain, partial cds, C-terminal domain
Ssc.427.1.S1_at	-1.1	T-cell receptor gamma and delta constant region
Ssc.5053.1.S1_at	-1.1	CD163v3
Ssc.5982.1.A1_at	-1.1	interferon consensus sequence binding protein 1
Ssc.6728.1.S1_at	-1.1	heat shock 90kD protein 1, beta
Ssc.7176.1.A1_at	-1.1	chemokine (C-X-C motif) receptor 4
Ssc.7576.3.S1_at	-1.1	splicing factor arginine/serine-rich 1
Ssc.7701.1.A1_at	-1.1	stathmin-1
SscAffx.8.1.S1_s_a t	-1.1	c-myc proto-oncogene
Ssc.10148.1.S1_at	-1.0	methylenetetrahydrofolate dehydrogenase
Ssc.11102.1.S1_at	-1.0	MHC class II SLA-DQ alpha chain mRNA (haplotype c)
Ssc.11630.1.S1_at	-1.0	Pituitary tumor-transforming protein
Ssc.122.1.S1_at	-1.0	diacylglycerol kinase
Ssc.12758.1.A1_at	-1.0	Proteasome beta 9 subunit
Ssc.13876.1.S1_at	-1.0	Serine/threonine protein kinase Nek2
Ssc.14532.1.S1_at	-1.0	N-acetyl-beta-D-glucosaminidase alpha-1,6-fucosyltransferase
Ssc.15917.1.S1_at	-1.0	tumor suppressor p53
Ssc.16160.1.S1_at	-1.0	CD86 protein
Ssc.16584.1.A1_at	-1.0	AE binding protein (AEBP1)
Ssc.167.2.S1_a_at	-1.0	Fc gamma RIII a.1
Ssc.210.2.S1_a_at	-1.0	Miniature swine MHC class II SLA-DRB-c
Ssc.23505.1.S1_at	-1.0	monoamine oxidase A
Ssc.24344.1.S1_a_ at	-1.0	DNA methyltransferase 1
Ssc.26386.2.S1_a_	-1.0	PUA protein

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at		
Ssc.507.1.A1_at	-1.0	immunoreceptor DAP12
Ssc.548.1.S1_a_at	-1.0	matrilysin-related protein
Ssc.5846.1.S1_at	-1.0	calpain II
Ssc.5936.1.A1_a_at	-1.0	peripheral-type benzodiazapine receptor
Ssc.800.1.S1_at	-1.0	(Na <sup>+</sup> , K <sup>+</sup> )-ATPase alpha-subunit
Ssc.830.1.S1_at	-1.0	proteasome activator 28 beta subunit
Ssc.8371.1.A1_at	-1.0	RAN, member RAS oncogene family
Ssc.9387.1.A1_at	-1.0	proliferating cell nuclear antigen

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EP, Early Pregnant Period; NP, Non Pregnant Period.

**Table S7.** Genes Expressed during LP Relative to NP (LP/NP) in Myometrium

<b>Affy ID</b>	<b>LP/NP Log ratio</b>	<b>Gene description</b>
Ssc.37.1.S1_at	10.9	haptoglobin alpha 1S
Ssc.7484.3.S1_at	10.6	Pregnancy-associated glycoprotein 6
Ssc.6609.1.S1_at	10.1	membrane-bound folate binding protein
Ssc.279.1.S1_at	9.7	steroidogenic acute regulatory protein
Ssc.250.1.S1_at	9.6	20-beta-hydroxysteroid dehydrogenase
Ssc.2506.1.S1_at	9.4	placenta expressed transcript protein
Ssc.12341.1.S1_at	8.9	uteroferrin associated basic protein-2
Ssc.7484.1.S1_at	8.9	pregnancy-associated glycoprotein 6
Ssc.279.1.S2_at	8.6	steroidogenic acute regulatory protein
Ssc.7484.2.S1_at	8.6	Pregnancy-associated glycoprotein 6
Ssc.14541.1.S1_s_at	8.4	cytochrome P450 19A1 /// cytochrome P450 19A2 /// cytochrome P450 19A3
Ssc.15906.1.S1_at	8.2	pregnancy-associated glycoprotein 3
Ssc.203.1.S1_at	7.8	cytochrome P450 3A39
Ssc.1332.1.S1_at	7.5	sulfotransferase family, cytosolic, 2A, dehydroepiandrosterone (DHEA)-preferring, member 1
Ssc.16147.1.A1_at	7.5	calsequestrin
Ssc.8776.1.S1_at	7.5	cytochrome P450 11A1
Ssc.22641.3.S1_at	7.2	Sarcoplasmic/endoplasmic-reticulum Ca(2+) pump gene 2
Ssc.16157.1.S1_at	7.1	C-reactive protein
Ssc.650.1.S1_at	7	pancreatic spasmolytic polypeptide
Ssc.15773.1.S1_at	6.9	alpha-1-antichymotrypsin 2
Ssc.17518.1.S1_at	6.7	A1 adenosine receptor
Ssc.23501.1.S1_s_at	6.7	Endogenous retrovirus Tsukuba-1 mRNA, complete sequence
Ssc.16169.1.S1_x_at	6.6	MHC class II SLA-DRB1-8 mRNA, exon 2
Ssc.141.1.S1_at	6.2	prohormone convertase
Ssc.16256.1.S1_at	6.2	Sister of P-glycoprotein (Spgp)
Ssc.15816.1.S1_at	6.1	myo-inositol oxygenase
Ssc.16562.1.S1_at	6.1	porcine inhibitor of carbonic anhydrase
Ssc.27964.2.S1_at	5.9	GATA binding protein 3
Ssc.3141.1.S1_at	5.9	plasmin trypsin inhibitor
Ssc.350.1.S1_at	5.8	Epididymal secretory protein E3
Ssc.575.1.S1_at	5.8	uteroferrin
Ssc.14393.1.S1_at	5.6	3-beta-hydroxysteroid dehydrogenase/delta-5-delta-4 isomerase
Ssc.2976.1.S1_at	5.6	Heart and neural crest derivatives expressed 1

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Ssc.15695.1.S1_at	5.5	retinol-binding protein
Ssc.21108.1.S1_at	5.5	complement component C5
Ssc.9365.1.S1_at	5.5	insulin-like-growth factor 2
Ssc.16377.2.A1_at	5.4	Glutathione S-transferase
Ssc.16131.1.S1_at	5.3	glucose transporter type 2
Ssc.6634.2.S1_at	5.3	Thy-1 cell surface antigen
Ssc.17.1.S1_at	5.2	Rh type B glycoprotein
Ssc.20133.1.A1_at	5.1	Thy-1 cell surface antigen
Ssc.17717.1.S1_at	5	argininosuccinate synthetase 1
Ssc.21256.1.S2_at	5	leukemia inhibitory factor
Ssc.15588.1.S1_at	4.9	insulin-like growth factor-binding protein 3
Ssc.15927.1.S1_at	4.8	Stromelysin
Ssc.15927.2.S1_at	4.8	stromelysin
Ssc.19914.1.S1_at	4.8	mesoderm-specific transcript
Ssc.20141.1.S1_at	4.8	myosin regulatory light chain 2
Ssc.27304.1.S1_at	4.6	Thymosin beta-4
Ssc.7314.1.A1_at	4.6	prostaglandin G/H synthase-2
Ssc.9365.6.S1_x_at	4.6	insulin-like-growth factor 2
Ssc.14393.2.S1_x_at	4.5	3-beta-hydroxysteroid dehydrogenase/delta-5-delta-4 isomerase
Ssc.724.1.S1_at	4.4	acrosin inhibitor
Ssc.90.1.S1_at	4.4	38 kDa heparin-binding glycoprotein
Ssc.9365.3.S1_x_at	4.4	insulin-like-growth factor 2
Ssc.9365.5.S1_a_at	4.4	insulin-like-growth factor 2
Ssc.101.1.S1_at	4.3	secreted phosphoprotein-I
Ssc.10429.1.S1_at	4.3	cardiac ankyrin repeat protein
Ssc.15588.1.S2_at	4.3	insulin-like growth factor-binding protein 3
Ssc.16336.1.S1_at	4.3	malate dehydrogenase decarboxylase (NADP+)
Ssc.4152.1.A1_at	4.3	putative aldo-keto reductase family 1 member C4
Ssc.569.1.S1_at	4.3	MAT-8 protein
Ssc.6019.1.S1_at	4.3	deoxyribonuclease II
Ssc.14563.1.S1_at	4.2	granulin
Ssc.6634.1.A1_at	4.2	Thy-1 cell surface antigen
Ssc.216.1.S1_at	4.1	prostaglandin F2-alpha receptor
Ssc.3196.1.S1_at	4.1	65 kDa epididymal boar protein
Ssc.47.1.S1_at	4.1	insulin-like growth factor binding protein 2
Ssc.9365.3.S1_a_at	4.1	insulin-like-growth factor 2
Ssc.16336.1.S2_at	4	malate dehydrogenase decarboxylase (NADP+)
Ssc.27370.1.S1_at	4	Glycoprotein GP36B
Ssc.2763.1.S1_at	4	protein C
Ssc.12.1.S1_at	3.9	estrogen sulfotransferase

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Ssc.3517.2.S1_at	3.9	Plasma phospholipid transfer protein
Ssc.9365.2.S1_a_at	3.9	insulin-like-growth factor 2
Ssc.16109.1.S1_at	3.8	prepro-beta-defensin 1
Ssc.17339.1.S1_at	3.8	peptide transporter 1
Ssc.2635.1.S1_at	3.7	Hydroxysteroid 11-beta dehydrogenase 2
Ssc.15980.1.S1_at	3.6	lipopolysaccharide-binding protein LPSBP
Ssc.16342.1.A1_at	3.6	nexin-1
Ssc.20525.1.S1_at	3.6	Insulin-like-growth factor 2
Ssc.1533.1.S1_at	3.5	Niemann-Pick C disease protein
Ssc.3326.1.S1_at	3.5	Cbp/p300-interacting transactivator with Glu/Asp-rich carboxy-terminal domain 1
Ssc.9467.1.S1_at	3.5	claudin-1 protein
Ssc.19907.1.S1_at	3.4	tissue factor
Ssc.28893.1.A1_at	3.2	cathepsin D
Ssc.3059.1.S1_at	3.2	aldose reductase
Ssc.5105.2.S1_a_at	3.2	G protein-coupled receptor
Ssc.67.1.S1_at	3.2	sperm adhesion molecule 1
Ssc.9991.1.S1_at	3.2	parathyroid hormone-like hormone
SscAffx.11.1.S1_a_at	3.2	involucrin
Ssc.864.1.S1_at	3.1	complement regulator factor H
Ssc.16218.1.S1_at	3	integrin, alpha 2 (CD49B, alpha 2 subunit of VLA-2 receptor)
Ssc.3528.1.S1_at	3	cytosolic aspartate aminotransferase
Ssc.5249.1.S1_at	3	hydroxymethylbilane synthase
Ssc.15916.1.S1_at	2.9	outwardly rectifying chloride channel
Ssc.1674.1.A1_at	2.9	Glucose transporter type 3
Ssc.3968.1.S1_at	2.9	Epididymal secretory protein E4
Ssc.16332.1.S1_at	2.8	Multidrug resistance associated protein 2
Ssc.2258.1.S1_at	2.8	transcription factor GATA-6
Ssc.373.1.S1_at	2.8	matrix Gla protein
Ssc.7158.1.A1_a_at	2.8	calpain I light subunit
Ssc.1310.1.S1_at	2.7	microsomal prostaglandin E synthase-1
Ssc.14475.3.S1_a_at	2.7	peroxisome proliferator-activated receptor gamma 1
Ssc.248.1.S1_at	2.7	acylneuraminate lyase
Ssc.26317.1.S1_at	2.7	alpha-2-macroglobulin
Ssc.296.1.S1_at	2.7	S-antigen
Ssc.6009.1.S1_a_at	2.7	alpha-amylase
Ssc.607.1.S1_at	2.7	glucose transporter type 3
Ssc.11257.1.S1_at	2.6	tissue inhibitor of metalloproteinase-2
Ssc.15926.1.S1_at	2.6	epithelial chloride channel protein
Ssc.16603.1.A1_at	2.6	Alpha-2-macroglobulin
Ssc.2873.1.S1_at	2.6	G-beta like protein
Ssc.6391.1.S1_at	2.6	glucose transport protein

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Ssc.9617.1.A1_at	2.6	Pleiomorphic adenoma gene-like 1
Ssc.9781.1.S1_at	2.6	plasminogen activator inhibitor I
Ssc.16037.1.S1_at	2.5	uroplakin 1a
Ssc.16209.1.S1_at	2.5	tenascin C
Ssc.6009.1.S1_at	2.5	alpha-amylase
Ssc.21343.1.S1_at	2.4	Endogenous retrovirus ERV-PK15 mRNA, complete sequence
Ssc.314.1.S1_at	2.4	pro-adrenomedullin
Ssc.828.1.S1_at	2.4	Solute carrier family 26, member 6
Ssc.1579.1.S1_at	2.3	equilibrative nucleoside transporter 1
Ssc.16333.1.S1_at	2.3	ATP-binding cassette, sub-family B (MDR/TAP), member 1
Ssc.1089.1.S1_at	2.2	adipocyte fatty acid-binding protein
Ssc.15905.1.S1_at	2.2	growth differentiation factor 11
Ssc.16028.1.S1_at	2.2	tissue inhibitor of metalloproteinase-3
Ssc.8552.1.S2_a_at	2.2	alpha-1,3-galactosyltransferase
Ssc.94.1.A1_at	2.2	unconventional myosin
Ssc.16229.1.S1_at	2.1	link protein precursor (AA -15 to 339)
Ssc.16324.1.S1_at	2.1	syndecan 4
Ssc.170.1.S1_at	2.1	arginase I
Ssc.2264.1.S1_at	2.1	Solute carrier family 1 (neutral amino acid transporter), member 5
Ssc.9637.1.S1_at	2.1	glutamine synthetase
Ssc.12975.1.S1_at	2	pleiotrophic factor beta
Ssc.15248.2.S1_at	2	Heparin binding protein
Ssc.15740.1.S2_at	2	vascular endothelial growth factor
Ssc.15740.2.S1_a_at	2	vascular endothelial growth factor
Ssc.17343.1.S1_at	2	lymphatic endothelial hyaluronan receptor LYVE-1
Ssc.18422.1.S1_a_at	2	DNase X
Ssc.231.1.S2_at	2	ferredoxin
Ssc.3593.1.S1_at	2	cathepsin H
Ssc.3921.1.S1_at	2	endothelial PAS domain protein 1
Ssc.8552.3.S1_a_at	2	alpha-1,3-galactosyltransferase
Ssc.11858.1.S1_at	1.9	fibromodulin
Ssc.15843.1.S1_at	1.9	putative golgi GDP-fucose translocator
Ssc.22086.1.A1_at	1.9	melanoma antigen family D, 1
Ssc.7429.1.A1_at	1.9	Link protein precursor (AA -15 to 339)
Ssc.14533.1.S1_at	1.8	N-acyl-D-glucosamine 2-epimerase
Ssc.15739.1.S1_at	1.8	interleukin 2 receptor gamma
Ssc.16044.1.S1_at	1.8	peptide PEC-60
Ssc.16236.1.S1_at	1.8	dipeptidyl peptidase IV
Ssc.16447.1.S1_at	1.8	variant hepatic nuclear factor 1
Ssc.181.1.S1_at	1.8	T-cell receptor gamma and delta constant

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		region
Ssc.21369.1.A1_s_at	1.8	alpha-1,3-galactosyltransferase
Ssc.2306.1.S1_at	1.8	heme binding protein
Ssc.455.1.S1_at	1.8	allograft inflammatory factor-1
Ssc.62.2.S1_a_at	1.8	interleukin-6 protein
Ssc.6289.1.S1_at	1.8	receptor activity-modifying protein 1
Ssc.7357.1.A1_at	1.8	FAT mRNA, partial sequence
Ssc.746.1.S1_a_at	1.8	54 kDa vacuolar H(+)-ATPase subunit
Ssc.777.1.S1_at	1.8	11-beta hydroxysteroid dehydrogenase isoform 1
Ssc.924.2.A1_at	1.8	Thrombospondin 1 (THBS1 gene), isolated from hind limb skeletal muscle
Ssc.15775.1.S1_at	1.7	P protein
Ssc.16234.1.S1_at	1.7	haptocorrin
Ssc.16335.1.S2_at	1.7	lipoprotein lipase
Ssc.195.1.S1_at	1.7	hyaluronan synthase 2
Ssc.29004.1.S1_at	1.7	bone morphogenetic protein 2
Ssc.4227.1.S1_at	1.7	claudin-5 protein
Ssc.4371.1.S1_at	1.7	N-acetylgalactosamine-6-sulfatase precursor
Ssc.820.1.S1_at	1.7	aminopeptidase N
Ssc.9029.1.S1_at	1.7	Cystatin C (CST3)
Ssc.9245.1.S1_at	1.7	galactose mutarotase
Ssc.9365.6.A1_a_at	1.7	Insulin-like-growth factor 2
Ssc.9637.1.S2_at	1.7	glutamine synthetase
Ssc.10960.1.S1_at	1.6	carbonic anhydrase III
Ssc.15248.1.S1_at	1.6	Heparin binding protein
Ssc.16051.1.S1_at	1.6	cellular disintegrin precursor
Ssc.17512.1.S1_at	1.6	Unidentified hepatic protein mRNA
Ssc.2155.1.S1_at	1.6	GTP-binding RAS-like protein 3
Ssc.924.3.A1_at	1.6	Thrombospondin 1 (THBS1 gene), isolated from hind limb skeletal muscle
Ssc.10486.1.A1_at	1.5	Chromosome 17 clone pkmCon15, mRNA sequence
Ssc.12017.1.A1_at	1.5	Unidentified hepatic protein mRNA
Ssc.16185.1.A1_at	1.5	CYP19=aromatase P450 {5' region, clone A} [swine, placental tissues and granulosa cells, ovarian tissues, mRNA Partial, 113 nt]
Ssc.16674.1.S1_at	1.5	Claudin-4
Ssc.19866.1.S1_at	1.5	carbonic anhydrase III
Ssc.24770.1.S1_at	1.5	pleiomorphic adenoma gene-like 1
Ssc.38.1.S1_at	1.5	transferrin receptor
Ssc.4190.1.S1_at	1.5	Bone morphogenetic protein 2
Ssc.5604.1.S1_at	1.5	protein S
Ssc.9738.1.A1_at	1.5	CCAAT/enhancer binding protein beta

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Ssc.11784.1.S1_at	1.4	metalloproteinase tissue inhibitor 1
Ssc.118.1.S1_at	1.4	H <sup>+</sup> ATPase
Ssc.12781.1.A2_at	1.4	Toll-like receptor 4
Ssc.1342.1.S1_at	1.4	apolipoprotein E
Ssc.15952.1.S1_at	1.4	Glucocorticoid receptor mRNA, 3' UTR
Ssc.16743.1.S1_at	1.4	fibronectin
Ssc.2165.2.S1_a_at	1.4	stratifin
Ssc.25045.1.S1_at	1.4	vascular endothelial growth factor 2
Ssc.3899.1.S1_at	1.4	Chromosome 17 clone pkmCon17, mRNA sequence
Ssc.4368.1.S1_at	1.4	FBXO 32
Ssc.529.1.S1_at	1.4	16kDa secretory protein
Ssc.6080.1.S1_at	1.4	antileukoproteinase
Ssc.8774.2.A1_at	1.4	Sterol-C4-methyl oxidase-like protein
Ssc.9365.6.A1_x_at	1.4	Insulin-like-growth factor 2
Ssc.11033.1.S1_at	1.3	arylsulfatase A
Ssc.13823.1.A1_at	1.3	Heat shock protein 20kDa
Ssc.15722.1.S1_at	1.3	Low density lipoprotein receptor-related protein-associated protein 1 (LREAP1)
Ssc.16159.1.S1_at	1.3	stearoyl-CoA desaturase
Ssc.16927.1.S1_at	1.3	Non-histone protein HMG1
Ssc.18422.1.S1_at	1.3	DNase X
Ssc.1914.1.S1_at	1.3	Melanoma cell adhesion molecule
Ssc.271.1.A1_at	1.3	Decay-accelerating factor CD55
Ssc.2864.1.S1_at	1.3	Complement C1qB
Ssc.5549.1.S1_at	1.3	fatty acid binding protein 5
Ssc.8774.1.S1_at	1.3	sterol-C4-methyl oxidase-like protein
Ssc.8997.1.A1_at	1.3	Intercellular adhesion molecule-1
Ssc.9626.1.A1_a_at	1.3	Deleted in malignant brain tumors 1 protein (DMBT1 gene)
Ssc.10961.1.S1_at	1.2	myozenin 1
Ssc.11187.1.S1_at	1.2	intercellular adhesion molecule-1
Ssc.11992.1.A1_at	1.2	complement cytolysis inhibitor
Ssc.12579.1.A1_s_at	1.2	fibrinogen-like protein 2
Ssc.12781.1.A1_s_at	1.2	Toll-like receptor 4
Ssc.16250.1.S2_at	1.2	interleukin 1 receptor antagonist
Ssc.181.1.S1_s_at	1.2	T-cell receptor gamma15 chain mRNA C-region, 3' end of cds /// T-cell receptor gamma and delta constant region
Ssc.20584.2.S1_a_at	1.2	troponin I
Ssc.22104.1.A1_at	1.2	SLC23A1-like mRNA, 3' UTR
Ssc.26124.1.S1_at	1.2	C-beta subunit
Ssc.30540.1.A1_at	1.2	Melanoma cell adhesion molecule
Ssc.4368.3.S1_at	1.2	FBXO 32

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Ssc.4953.1.A1_at	1.2	Fatty acid binding protein 5
Ssc.5127.1.S1_at	1.2	fructose 1,6-bisphosphatase
Ssc.5712.1.S1_at	1.2	cytochrome P450 51
Ssc.600.1.S1_s_at	1.2	metallothionein
Ssc.8980.1.A1_at	1.2	angiopoietin-like protein 4
Ssc.13269.1.S1_at	1.1	adiponectin receptor 1
Ssc.13777.2.S1_at	1.1	SLA-DM alpha chain
Ssc.15397.1.S1_at	1.1	LIM and cysteine-rich domains protein 1
Ssc.16549.1.S1_at	1.1	Lysosome-associated membrane glycoprotein 1
Ssc.17108.1.S1_at	1.1	puromycin sensitive aminopeptidase
Ssc.18175.1.A1_at	1.1	Fatty acid synthase
Ssc.272.1.S1_a_at	1.1	decay-accelerating factor CD55
Ssc.2926.1.S1_at	1.1	heme oxygenase 2
Ssc.295.2.A1_at	1.1	glutaminase
Ssc.4984.1.S1_at	1.1	chemokine
Ssc.5549.2.S1_at	1.1	Fatty acid binding protein 5
Ssc.68.1.A1_at	1.1	succinate-CoA ligase, ADP-forming, beta subunit
Ssc.7656.1.A1_at	1.1	Puromycin sensitive aminopeptidase
Ssc.810.1.S1_at	1.1	Scavenger receptor class B member 2
Ssc.8501.2.A1_at	1.1	PRA1 family protein-like protein
Ssc.12390.1.S1_at	1	superoxide dismutase 1
Ssc.14392.1.A1_at	1	PSP94-like protein
Ssc.14490.1.S1_at	1	NADP dependent leukotriene b4 12-hydroxydehydrogenase
Ssc.15598.1.S1_at	1	Insulin induced gene 1
Ssc.16346.1.S1_at	1	fibroblast growth factor receptor
Ssc.1712.1.S1_at	1	plakoglobin
Ssc.19390.1.S1_at	1	small GTPase
Ssc.231.1.S1_at	1	ferredoxin
Ssc.235.2.S1_at	1	calpastatin
Ssc.24282.1.S1_at	1	Beta 2-microglobulin
Ssc.27593.1.S1_at	1	transforming growth factor-beta 3
Ssc.2887.1.S1_at	1	NADPH-cytochrome P-450 oxidoreductase
Ssc.4387.1.A1_at	1	alpha2,3-sialyltransferase
Ssc.5563.1.S1_at	1	cellular retinol binding protein 1
Ssc.6050.1.A1_at	1	Type I transmembrane endothelial adhesion molecule
Ssc.6323.1.S1_at	1	adipose differentiation-related protein
Ssc.6918.1.A1_at	1	acyl-CoA synthetase long-chain family member 4
Ssc.73.1.S1_at	1	forkhead/winged helix transcription factor FOXO1a

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Ssc.7354.1.A1_at	1	Ras-related protein Rab-11A
Ssc.8203.1.S1_at	1	epoxide hydrolase
Ssc.8925.1.S1_at	1	Beta 2-microglobulin
Ssc.9229.1.S1_at	1	mannose receptor C1
Ssc.9364.1.S1_at	1	endothelin
Ssc.941.1.S1_at	1	Vascular smooth muscle alpha-actin
Ssc.13778.1.S1_at	-9.6	IgG heavy chain
Ssc.11208.1.S1_at	-8.3	Ig rearranged kappa chain mRNA V-J-C-regions, 3' end
Ssc.29100.1.S1_at	-7.5	Chemokine CCL28
Ssc.26321.1.S1_s_at	-6.8	cytochrome P450 2C32 /// cytochrome P450 2C34 /// cytochrome P450 2C35 /// cytochrome P450 2C36 /// cytochrome P450 2C49
Ssc.15942.3.S1_x_at	-6.3	Immunoglobulin VDJ region /// Clone 2 immunoglobulin heavy chain
Ssc.17718.1.S1_at	-6.3	Immunoglobulin alpha heavy chain constant region (IgA C alpha)
Ssc.19946.1.S1_at	-6.3	Ig rearranged lambda chain mRNA V-J-C-regions, 3' end
Ssc.26221.1.S1_at	-5.8	CXCL12 chemokine
Ssc.11070.1.S1_at	-5.5	Ig gamma 2b chain constant region
Ssc.140.1.S1_at	-5.4	ameloblastin
Ssc.428.10.S1_s_at	-4.9	TCR-a mRNA for T cell receptor alpha chain, partial cds, clone:PPA191 /// TCR-a mRNA for T cell receptor alpha chain, partial cds, clone:PPA134 /// T-cell receptor alpha chain mRNA C-region, 3' end of cds
Ssc.19673.1.S1_at	-4.7	CD3 antigen, delta polypeptide
Ssc.16359.2.S1_s_at	-4.5	Immunoglobulin E epsilon chain precursor /// Ig gamma 2b chain constant region
Ssc.16163.1.S1_at	-4.3	glycine N-methyltransferase
Ssc.11075.1.S1_a_at	-4.2	T-cell receptor beta chain mRNA C-region, 3' end of cds
Ssc.15890.1.S1_at	-4.2	vanin-1
Ssc.15871.1.S1_a_at	-4.1	killer cell lectin-like receptor subfamily K, member 1
Ssc.15997.1.S1_at	-4	Progesterone receptor
Ssc.24401.1.A1_s_at	-4	Low molecular weight kininogen
Ssc.11075.1.S1_x_at	-3.9	T-cell receptor beta chain mRNA C-region, 3' end of cds
Ssc.15694.1.S1_at	-3.9	metallothionein-III
Ssc.16144.1.S1_at	-3.7	estradiol receptor
Ssc.161.1.S1_at	-3.4	Na <sup>+</sup> /glucose cotransporter

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Ssc.14243.1.S1_at	-3.3	cyclin B
Ssc.18552.1.S1_at	-3.1	SLA-2 mRNA for MHC class I antigen, partial cds, allele:SLA-2*04
Ssc.23489.1.S1_at	-3.1	CD8 antigen alpha polypeptide
Ssc.268.1.S1_at	-3.1	25-hydroxyvitamin D3-24-hydroxylase
Ssc.428.6.S1_a_at	-3.1	T-cell receptor alpha chain mRNA C-region, 3' end of cds
Ssc.7243.1.A1_at	-3.1	CXCL12 chemokine
Ssc.103.1.S1_at	-3	protein phosphatase 2A 55 kDa regulatory subunit, beta isoform
Ssc.1031.1.S1_at	-3	2'-5' oligoadenylate synthetase
Ssc.11075.3.S1_a_at	-3	T-cell receptor beta chain mRNA C-region, 3' end of cds
Ssc.16039.1.S1_at	-3	regulator of G-protein signalling 1
Ssc.206.1.S1_at	-3	cytochrome P450 2C49
Ssc.21810.1.S1_at	-3	paraoxonase 3
Ssc.2609.1.S1_at	-3	troponin I
Ssc.428.5.S1_at	-3	T-cell receptor alpha chain mRNA C-region, 3' end of cds
SscAffx.20.1.S1_at	-3	CD3 antigen gamma chain
Ssc.11190.1.S1_at	-2.9	Ig mu-chain mRNA C-region, 3' end
Ssc.15973.1.S1_at	-2.9	ATP-diphosphohydrolase
Ssc.180.1.S1_at	-2.9	T-cell receptor gamma4 chain mRNA C-region, 3' end of cds
Ssc.19393.1.S1_at	-2.9	Deleted in malignant brain tumors 1 protein (DMBT1 gene)
Ssc.19692.1.S1_at	-2.9	chemokine ligand 2
Ssc.12758.1.A1_at	-2.8	Proteasome beta 9 subunit
Ssc.221.1.S1_at	-2.8	Mx protein
Ssc.2698.1.S1_at	-2.8	fatty acid amide hydrolase
Ssc.11075.6.S1_x_at	-2.7	T-cell receptor beta chain mRNA C-region, 3' end of cds
Ssc.14506.1.S1_at	-2.7	topoisomerase II
Ssc.11075.11.S1_x_at	-2.6	T-cell receptor beta chain mRNA C-region, 3' end of cds
Ssc.23793.1.S1_at	-2.6	CD2 antigen
Ssc.4747.1.S1_at	-2.6	follicle-stimulating hormone receptor
Ssc.10536.1.S1_at	-2.5	apoptosis-related protein
Ssc.11073.1.S1_at	-2.5	proteasome subunit LMP7
Ssc.22676.1.S1_at	-2.5	chemokine C-X-C motif receptor 6
Ssc.12005.1.A1_at	-2.4	HLA-B associated transcript 1
Ssc.16231.3.S1_a_at	-2.4	insulin-like growth factor
Ssc.17026.1.S1_at	-2.3	complement C4
Ssc.22030.1.S1_at	-2.3	RANTES protein

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Ssc.7701.1.A1_at	-2.3	stathmin-1
Ssc.873.1.S1_at	-2.3	cell division cycle 2 protein
Ssc.1163.1.S1_at	-2.2	proteasome activator 28 alpha subunit
Ssc.11630.1.S1_at	-2.2	Pituitary tumor-transforming protein
Ssc.16026.1.A1_at	-2.2	nuclear export factor CRM1
Ssc.16186.1.S1_at	-2.2	CD3 epsilon subunit
Ssc.28428.1.S1_at	-2.2	Ornithine decarboxylase
Ssc.11102.1.S1_at	-2.1	MHC class II SLA-DQ alpha chain mRNA (haplotype c)
Ssc.286.1.S1_s_at	-2.1	inflammatory response protein 6
Ssc.427.1.S1_at	-2.1	T-cell receptor gamma and delta constant region
Ssc.5982.1.A1_at	-2.1	interferon consensus sequence binding protein 1
Ssc.7274.1.A1_at	-2.1	double stranded RNA-dependent protein kinase
Ssc.155.1.S1_at	-2	neuronal endocrine protein
Ssc.24258.1.S1_at	-2	Beta 2-microglobulin
Ssc.246.1.S1_at	-2	Na+, K+-ATPase beta-subunit
Ssc.25314.1.S1_a_at	-2	S-adenosylhomocysteine hydrolase
Ssc.2753.1.S1_at	-2	polo-like protein kinase
Ssc.336.1.S1_at	-2	ubiquitin-specific protease
Ssc.4871.1.S1_at	-2	chemokine ligand 2
Ssc.807.1.S1_at	-2	similar to apolipoprotein A-I
Ssc.11661.2.S1_at	-1.9	protein phosphatase 1 catalytic subunit gamma isoform
Ssc.432.1.S1_at	-1.9	apoptosis inhibitor survivin
Ssc.5376.1.A1_at	-1.9	CD3Z for CD3 zeta chain
Ssc.13777.1.S1_at	-1.8	SLA-DM alpha chain
Ssc.13876.1.S1_at	-1.8	Serine/threonine protein kinase Nek2
Ssc.210.2.S1_a_at	-1.8	Miniature swine MHC class II SLA-DRB-c
Ssc.23494.1.S1_a_at	-1.8	CD45 antigen isoform 1 precursor
Ssc.7286.1.S1_at	-1.8	cyclin-dependent kinase inhibitor 3
Ssc.1013.1.A1_at	-1.7	glutathione S-transferase
Ssc.11075.6.S1_a_at	-1.7	T-cell receptor beta chain mRNA C-region, 3' end of cds
Ssc.11168.1.A1_at	-1.7	proteasome beta 10 subunit
Ssc.13482.1.S1_at	-1.7	UDP-Gal:beta-GlcNAc beta-1,3-galactosyltransferase 3
Ssc.13780.9.S1_a_at	-1.7	MHC class I PD7 mRNA, partial 3' UTR
Ssc.14485.1.S1_at	-1.7	parathyroid receptor
Ssc.15824.1.S1_at	-1.7	karyopherin alpha 2
Ssc.15942.2.S1_x_at	-1.7	Immunoglobulin VDJ region /// Clone 2 immunoglobulin heavy chain

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Ssc.16012.1.S1_at	-1.7	interleukin-1 beta converting enzyme
Ssc.16096.2.S1_a_at	-1.7	mast/stem cell growth factor receptor
Ssc.18553.1.S1_at	-1.7	SLA-2 mRNA for MHC class I antigen, partial cds, allele:SLA-2*03
Ssc.21.1.S1_s_at	-1.7	RNA helicase
Ssc.214.1.S1_at	-1.7	fibroblast growth factor 9
Ssc.222.1.S1_at	-1.7	MHC class II (SLA-DR-alpha)
Ssc.229.1.S1_at	-1.7	hepatic flavin-containing monooxygenase (FMO)
Ssc.24344.1.S1_at	-1.7	DNA methyltransferase 1
Ssc.27863.1.S1_at	-1.7	Cell-line PK(15) transporter associated with antigen processing 1 mRNA, complete cds, alternatively spliced
Ssc.27881.1.S1_at	-1.7	hyaluronan synthase 3
Ssc.5030.1.A1_at	-1.7	tripartite motif protein TRIM5
Ssc.830.1.S1_at	-1.7	proteasome activator 28 beta subunit
Ssc.11063.1.S1_at	-1.6	Miniature swine MHC class II SLA-DQ-beta mRNA (c haplotype)
Ssc.13397.1.S1_at	-1.6	ADP-ribosylation factor-like protein 3
Ssc.13780.4.S1_x_at	-1.6	MHC class I PD7 mRNA, partial 3' UTR
Ssc.16365.1.S1_at	-1.6	uroplakin 3
Ssc.17615.1.S1_at	-1.6	Na+, K+-ATPase beta-subunit
Ssc.23797.1.S1_at	-1.6	putative MIP-1beta protein
Ssc.26386.1.A1_at	-1.6	PUA protein
Ssc.383.1.S1_at	-1.6	odd homeobox 1 protein
SscAffx.8.1.S1_s_at	-1.6	c-myc proto-oncogene
Ssc.11787.2.A1_at	-1.5	Chromosome 17 clone pkmCon20, mRNA sequence
Ssc.13780.5.S1_x_at	-1.5	MHC class I PD7 mRNA, partial 3' UTR
Ssc.14521.1.S1_at	-1.5	aldehyde reductase
Ssc.15960.1.S1_at	-1.5	CD38 protein (5'; clone 5B7)
Ssc.17001.1.S1_at	-1.5	P55CDC
Ssc.18554.1.A1_s_at	-1.5	SLA-1 mRNA for MHC class I antigen, partial cds, allele:SLA-1*02
Ssc.210.1.S1_a_at	-1.5	Miniature swine MHC class II SLA-DRB-c
Ssc.4741.1.S1_at	-1.5	muscle phosphofructokinase
Ssc.11381.1.S1_at	-1.4	interferon (alpha, beta and omega) receptor 1
Ssc.13780.2.S1_x_at	-1.4	MHC class I PD7 mRNA, partial 3' UTR
Ssc.16187.1.S1_at	-1.4	prostaglandin D synthase
Ssc.17344.1.S1_at	-1.4	protein-O-fucosyltransferase
Ssc.210.7.S1_x_at	-1.4	Miniature swine MHC class II SLA-DRB-c
Ssc.226.1.S1_at	-1.4	non-histone protein HMG2
Ssc.24344.1.S1_a_at	-1.4	DNA methyltransferase 1
Ssc.26386.2.S1_a_at	-1.4	PUA protein

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Ssc.27417.3.S1_a_at	-1.4	O-linked N-acetylglucosamine transferase
Ssc.548.1.S1_a_at	-1.4	matrilysin-related protein
Ssc.6025.1.S1_at	-1.4	signal transducer and activator of transcription 1
Ssc.670.2.S1_at	-1.4	Lysozyme
Ssc.8868.1.S1_at	-1.4	Fc gamma receptor II
Ssc.14530.1.S1_at	-1.3	long-chain acyl-CoA dehydrogenase
Ssc.15886.1.S1_at	-1.3	caspase-3
Ssc.167.2.S1_a_at	-1.3	FcgammaRIII a.1
Ssc.204.1.S1_at	-1.3	cytochrome P450 3A29
Ssc.2073.1.A1_at	-1.3	ubiquitin carboxyl-terminal hydrolase L1
Ssc.21016.1.S1_at	-1.3	moesin B
Ssc.23006.1.S1_at	-1.3	Unidentified hepatic protein mRNA
Ssc.26254.1.S1_at	-1.3	Homeobox protein A10
Ssc.29111.1.S1_at	-1.3	Mitochondrial ribosomal protein L32
Ssc.5142.1.S1_at	-1.3	Autotaxin
Ssc.7176.1.A1_at	-1.3	chemokine (C-X-C motif) receptor 4
Ssc.9387.1.A1_at	-1.3	proliferating cell nuclear antigen
Ssc.10148.1.S1_at	-1.2	methylenetetrahydrofolate dehydrogenase
Ssc.11096.1.S1_at	-1.2	succinyl-CoA:alpha-ketoacid coenzyme A transferase
Ssc.11123.1.A1_at	-1.2	Lactate dehydrogenase-B (LDH-B)
Ssc.1193.3.A1_at	-1.2	Karyopherin alpha 3
Ssc.13780.10.S1_x_at	-1.2	MHC class I PD7 mRNA, partial 3' UTR
Ssc.13780.3.S1_at	-1.2	MHC class I PD7 mRNA, partial 3' UTR
Ssc.15789.1.S1_at	-1.2	TATA box binding protein (TBP) associated factor
Ssc.15885.1.S1_at	-1.2	RNA helicase
Ssc.16039.1.A1_at	-1.2	regulator of G-protein signalling 1
Ssc.18736.1.S1_at	-1.2	RNA polymerase I subunit hRPA39
Ssc.20406.1.S1_at	-1.2	Chromosome 17 clone pkmCon39, mRNA sequence
Ssc.2192.1.A1_at	-1.2	UPF3 regulator of nonsense transcripts-like protein B
Ssc.22769.1.S1_at	-1.2	duffy antigen/chemokine receptor
Ssc.23221.1.S1_at	-1.2	ovarian and testicular apolipoprotein N
Ssc.23505.1.S1_at	-1.2	monoamine oxidase A
Ssc.26328.1.S1_at	-1.2	chemokine C-C motif receptor 5
Ssc.26880.1.A1_s_at	-1.2	CD40
Ssc.2895.1.S1_at	-1.2	serine/threonine kinase 12
Ssc.30760.1.S1_at	-1.2	eIF4GI protein
Ssc.4759.1.S1_at	-1.2	Nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, alpha
Ssc.4989.1.A1_at	-1.2	cystathionase

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Ssc.6222.1.S1_a_at	-1.2	CD74 antigen
Ssc.10993.1.S1_a_at	-1.1	urate transporter/channel protein, isoform (UATp,i)
Ssc.11668.1.A1_at	-1.1	Karyopherin alpha 2
Ssc.11719.1.A1_at	-1.1	HLA-B associated transcript 1
Ssc.12191.1.A1_at	-1.1	90-kDa heat shock protein
Ssc.13780.12.S1_x_at	-1.1	MHC class I PD7 mRNA, partial 3' UTR
Ssc.13880.1.A1_at	-1.1	neutrophil protein
Ssc.15803.1.S1_at	-1.1	trkB protein
Ssc.16210.1.S1_at	-1.1	polypyrimidine tract-binding protein
Ssc.17159.1.S1_at	-1.1	Voltage-dependent anion channel 2
Ssc.19494.1.S1_at	-1.1	interferon regulatory factor 1
Ssc.19691.1.S1_at	-1.1	Group VII phospholipase A2
Ssc.22101.2.A1_at	-1.1	Methylenetetrahydrofolate dehydrogenase
Ssc.23474.1.S1_at	-1.1	Mitochondrial ribosomal protein L32
Ssc.28498.1.S1_at	-1.1	caspase-15
Ssc.28645.1.A1_at	-1.1	cationic amino acid transporter-1
Ssc.5509.2.S1_at	-1.1	ADP-ribosylation factor-like protein 4A
Ssc.5667.1.S1_at	-1.1	histidine triad protein member 5
Ssc.61.1.S1_at	-1.1	complement component C3
Ssc.6903.1.S1_at	-1.1	beta 5-tubulin
Ssc.7543.1.A1_at	-1.1	Caspase-3
Ssc.7576.3.S1_at	-1.1	splicing factor arginine/serine-rich 1
Ssc.800.1.S1_at	-1.1	(Na <sup>+</sup> , K <sup>+</sup> )-ATPase alpha-subunit
Ssc.8371.1.A1_at	-1.1	RAN, member RAS oncogene family
Ssc.11661.1.A1_at	-1	Protein phosphatase 1 catalytic subunit gamma isoform
Ssc.12348.2.S1_at	-1	Beta 2-microglobulin
Ssc.12438.1.A1_at	-1	Ubiquitin-like/S30 ribosomal fusion protein
Ssc.12652.1.A1_at	-1	Homeobox protein A10
Ssc.13880.1.A2_at	-1	neutrophil protein
Ssc.13990.1.S1_at	-1	Actin-related protein 3
Ssc.15736.2.A1_at	-1	Testis enhanced gene transcript
Ssc.16052.1.S1_at	-1	disintegrin-metalloproteinase precursor
Ssc.17239.1.S1_at	-1	beta-1,3-N-acetylglucosaminyltransferase 5
Ssc.21860.2.S1_at	-1	Unidentified hepatic protein mRNA
Ssc.22101.1.S1_at	-1	Methylenetetrahydrofolate dehydrogenase
Ssc.24707.1.S1_at	-1	O-linked N-acetylglucosamine transferase
Ssc.3139.1.A1_at	-1	Regulator of G-protein signaling 2 (RGS2) mRNA, RGS2-GOS8 allele
Ssc.369.1.S1_at	-1	ubiquitous PKC-potentiated PP1 inhibitor
Ssc.6370.1.S1_at	-1	Putative aldo-keto reductase family 1 member C4
Ssc.670.1.S1_at	-1	lysozyme

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Ssc.6728.1.S1_at	-1	heat shock 90kD protein 1, beta
Ssc.7229.1.S1_at	-1	Glutathione S-transferase

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LP, Late Pregnant Period; NP, Non Pregnant Period.

**Table S8.** Genes Expressed during EP Relative to NP (EP/NP) in Ovary

<b>Affy ID</b>	<b>EP /NP Log ratio</b>	<b>Gene description</b>
Ssc.141.1.S1_at	6.3	prohormone convertase
Ssc.15695.1.S1_at	5.6	retinol-binding protein
Ssc.3141.1.S1_at	5.2	plasmin trypsin inhibitor
Ssc.15773.1.S1_at	4.2	alpha-1-antichymotrypsin 2
Ssc.6634.2.S1_at	4.0	Thy-1 cell surface antigen
Ssc.2506.1.S1_at	3.7	placenta expressed transcript protein
Ssc.22767.1.S1_at	3.3	Pheromaxein A
Ssc.7484.1.S1_at	3.3	pregnancy-associated glycoprotein 6
Ssc.16169.1.S1_x_at	3.1	MHC class II SLA-DRB1-8 mRNA, exon 2
Ssc.16335.1.S2_at	2.8	lipoprotein lipase
Ssc.3835.1.S1_at	2.8	alpha-actinin-2-associated LIM protein
Ssc.216.1.S1_at	2.7	prostaglandin F2-alpha receptor
Ssc.7484.2.S1_at	2.7	Pregnancy-associated glycoprotein 6
Ssc.21108.1.S1_at	2.6	complement component C5
Ssc.16335.1.S1_at	2.4	lipoprotein lipase
Ssc.7484.3.S1_at	2.4	Pregnancy-associated glycoprotein 6
Ssc.18208.2.S1_at	2.1	putative aldo-keto reductase family 1 member CL2
Ssc.210.6.S1_x_at	2.1	Miniature swine MHC class II SLA-DRB-c
Ssc.37.1.S1_at	2.1	haptoglobin alpha 1S
Ssc.16377.1.A1_at	2.0	glutathione S-transferase
Ssc.8203.1.S1_at	2.0	epoxide hydrolase
Ssc.1332.1.S1_at	1.9	sulfotransferase family, cytosolic, 2A, dehydroepiandrosterone (DHEA)-preferring, member 1
Ssc.427.1.S1_at	1.9	T-cell receptor gamma and delta constant region
Ssc.15863.1.S1_at	1.8	mono (ADP-ribosyl)transferase
Ssc.19235.1.A1_at	1.8	transmembrane protein with EGF-like and two follistatin-like domains 2
Ssc.33.1.S1_at	1.8	dual oxidase 2
Ssc.3517.1.S1_at	1.7	plasma phospholipid transfer protein
Ssc.6634.1.A1_at	1.7	Thy-1 cell surface antigen
Ssc.870.1.S1_at	1.7	complement C7
Ssc.162.1.S1_at	1.6	relaxin
Ssc.26317.1.S1_at	1.6	alpha-2-macroglobulin
Ssc.16236.1.S1_at	1.5	dipeptidyl peptidase IV
Ssc.20133.1.A1_at	1.5	Thy-1 cell surface antigen
Ssc.24.1.S1_at	1.5	muscle-specific intermediate filament desmin



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Ssc.24401.1.A1_s_at	1.5	Low molecular weight kininogen
Ssc.864.1.S1_at	1.5	complement regulator factor H
Ssc.15397.1.S1_at	1.4	LIM and cysteine-rich domains protein 1
Ssc.51.1.S1_at	1.4	L-threonine 3-dehydrogenase
Ssc.83.1.S1_at	1.4	aminopeptidase A
Ssc.9013.1.S1_at	1.4	h1-calponin
Ssc.15397.2.S1_at	1.3	LIM and cysteine-rich domains protein 1
Ssc.86.1.S1_at	1.3	carbonyl reductase/NADP-retinol dehydrogenase
Ssc.12842.1.S2_at	1.2	caveolin 1
Ssc.16144.1.S1_at	1.2	estradiol receptor
Ssc.16164.1.S1_at	1.2	smooth muscle myosin light chain kinase
Ssc.4217.1.S1_at	1.2	inter-alpha-trypsin inhibitor family heavy chain-related protein
Ssc.5142.1.S1_at	1.2	Autotaxin
Ssc.5915.1.S1_at	1.2	CD40
Ssc.1091.2.S1_at	1.1	type I collagen alpha 1 chain
Ssc.11096.1.S1_at	1.1	succinyl-CoA:alpha-ketoacid coenzyme A transferase
Ssc.11287.1.S1_at	1.1	beta-galactosamide alpha-2,6-sialyltransferase
Ssc.1199.1.A1_at	1.1	17beta-estradiol dehydrogenase
Ssc.12191.2.A1_at	1.1	90-kDa heat shock protein
Ssc.18208.1.S1_at	1.1	putative aldo-keto reductase family 1 member CL2
Ssc.204.1.S1_at	1.1	cytochrome P450 3A29
Ssc.295.2.A1_at	1.1	glutaminase
Ssc.4871.1.S1_at	1.1	chemokine ligand 2
Ssc.6009.1.S1_a_at	1.1	alpha-amylase
Ssc.6233.1.S1_at	1.1	Ferritin L subunit
Ssc.8630.1.A1_at	1.1	Putative aldo-keto reductase family 1 member C4
Ssc.1743.1.S1_at	1.0	membrane-associated protein 17
Ssc.18613.1.S1_at	1.0	chemokine (C-C motif) ligand 21
Ssc.20571.2.S1_a_at	1.0	beta-tropomyosin
Ssc.23043.1.S1_at	1.0	long-chain 3-ketoacyl-CoA thiolase
Ssc.579.1.S1_at	-7.3	seminal plasma protein pB1
Ssc.14551.1.S1_at	-5.9	amelogenin 173A
Ssc.16022.1.S1_at	-4.6	similar to tigger transposable element derived 4
Ssc.14527.1.S1_at	-4.5	glutamate decarboxylase 2
Ssc.14474.1.S1_at	-4.2	apomucin
Ssc.13778.1.S1_at	-3.5	IgG heavy chain
Ssc.19946.1.S1_at	-3.4	Ig rearranged lambda chain mRNA

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		V-J-C-regions, 3' end
Ssc.11070.1.S1_at	-3.2	Ig gamma 2b chain constant region
Ssc.12005.1.A1_at	-2.9	HLA-B associated transcript 1
Ssc.4360.1.A1_at	-2.4	heart fatty acid-binding protein
Ssc.286.1.S1_s_at	-2.3	inflammatory response protein 6
Ssc.15850.2.A1_at	-2.2	Rearranged T-cell receptor delta-chain/Vdelta1.15-Ddeltas-Jdelta1
SscAffx.1.1.S1_at	-2.2	interferon stimulated gene 20kDa
Ssc.116.1.S1_at	-2.1	gamma-glutamyl transpeptidase
Ssc.221.1.S1_at	-2.1	Mx protein
Ssc.11208.1.S1_at	-1.9	Ig rearranged kappa chain mRNA V-J-C-regions, 3' end
Ssc.16234.1.S1_at	-1.9	haptocorrin
Ssc.17718.1.S1_at	-1.8	Immunoglobulin alpha heavy chain constant region (IgA C alpha)
Ssc.19866.1.S1_at	-1.8	carbonic anhydrase III
Ssc.575.1.S1_at	-1.8	uteroferrin
Ssc.15890.1.S1_at	-1.7	vanin-1
Ssc.4984.1.S1_at	-1.7	chemokine
Ssc.11190.1.S1_at	-1.6	Ig mu-chain mRNA C-region, 3' end
Ssc.15885.1.S1_at	-1.6	RNA helicase
Ssc.4653.1.S1_at	-1.6	pancreastatin
Ssc.9781.1.S1_at	-1.5	plasminogen activator inhibitor I
Ssc.11784.1.S1_at	-1.4	metalloproteinase tissue inhibitor 1
Ssc.140.1.S1_at	-1.4	ameloblastin
Ssc.29667.1.A1_at	-1.4	surfactant protein C propeptide
Ssc.1031.1.S1_at	-1.3	2'-5' oligoadenylate synthetase
Ssc.1089.1.S1_at	-1.3	adipocyte fatty acid-binding protein
Ssc.21.1.S1_s_at	-1.3	RNA helicase
Ssc.3326.1.S1_at	-1.3	Cbp/p300-interacting transactivator with Glu/Asp-rich carboxy-terminal domain 1
Ssc.5566.1.S1_at	-1.3	inhibin alpha-subunit
Ssc.709.1.S1_at	-1.3	thioltransferase
Ssc.7176.1.A1_at	-1.3	chemokine (C-X-C motif) receptor 4
Ssc.116.2.S1_a_at	-1.2	Gamma-glutamyl transpeptidase
Ssc.1537.1.S1_at	-1.2	Forkhead box O1A
Ssc.15871.1.S1_a_at	-1.2	killer cell lectin-like receptor subfamily K, member 1
Ssc.16145.1.A1_at	-1.2	serotonin 2B receptor
Ssc.16184.1.S1_s_at	-1.2	CYP19=aromatase P450 {5' region, clone B} [swine, placental tissues and granulosa cells, ovarian tissues, mRNA Partial, 203 nt]
Ssc.4747.1.S1_at	-1.2	follistatin
Ssc.14478.1.S1_at	-1.1	Immunoglobulin E epsilon chain precursor

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Ssc.15588.1.S1_at	-1.1	insulin-like growth factor-binding protein 3
Ssc.15640.1.S1_at	-1.1	metallothionein isoform
Ssc.16348.1.S1_at	-1.1	neuropeptide Y Y1 receptor
Ssc.18359.1.S1_at	-1.1	chemokine C-C motif receptor 1
Ssc.22676.1.S1_at	-1.1	chemokine C-X-C motif receptor 6
Ssc.23793.1.S1_at	-1.1	CD2 antigen
Ssc.27208.1.S1_at	-1.1	peptidyl arginine deiminase-like protein
Ssc.5053.1.S1_at	-1.1	CD163v3
Ssc.90.1.S1_at	-1.1	38 kDa heparin-binding glycoprotein
Ssc.101.1.S1_at	-1.0	secreted phosphoprotein-I
Ssc.16634.1.S1_at	-1.0	Toll-like receptor 9
Ssc.16635.1.S1_at	-1.0	UDP-sugar diphosphatase
Ssc.23501.1.S1_s_at	-1.0	Endogenous retrovirus Tsukuba-1 mRNA, complete sequence
Ssc.2635.1.S1_at	-1.0	Hydroxysteroid 11-beta dehydrogenase 2
Ssc.5030.1.A1_at	-1.0	tripartite motif protein TRIM5

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EP, Early Pregnant Period; NP, Non Pregnant Period.

**Table S9.** Genes Expressed during LP Relative to NP (LP/NP) in Ovary

<b>Affy ID</b>	<b>LP/NP Log ratio</b>	<b>Gene description</b>
Ssc.141.1.S1_at	7.1	prohormone convertase
Ssc.16562.1.S1_at	6.3	porcine inhibitor of carbonic anhydrase
Ssc.23503.1.A1_at	5.5	myeloid differentiation primary response gene 88
Ssc.15774.1.S1_at	4.9	mu opioid receptor
Ssc.37.1.S1_at	4.4	haptoglobin alpha 1S
Ssc.7100.1.S1_at	4.4	orosomuroid 1
Ssc.51.1.S1_at	4.1	L-threonine 3-dehydrogenase
Ssc.24401.1.A1_at	3.9	Low molecular weight kininogen
Ssc.16236.1.S1_at	3.7	dipeptidyl peptidase IV
Ssc.24401.1.A1_s_at	3.6	Low molecular weight kininogen
Ssc.16169.1.S1_x_at	3.5	MHC class II SLA-DRB1-8 mRNA, exon 2
Ssc.16335.1.S2_at	3.3	lipoprotein lipase
Ssc.216.1.S1_at	3.1	prostaglandin F2-alpha receptor
Ssc.6634.2.S1_at	3.1	Thy-1 cell surface antigen
Ssc.3835.1.S1_at	2.7	alpha-actinin-2-associated LIM protein
Ssc.16335.1.S1_at	2.6	lipoprotein lipase
Ssc.83.1.S1_at	2.4	aminopeptidase A
Ssc.15773.1.S1_at	2.3	alpha-1-antichymotrypsin 2
Ssc.16377.1.A1_at	2.3	glutathione S-transferase
Ssc.8203.1.S1_at	2.3	epoxide hydrolase
Ssc.19235.1.A1_at	2.0	transmembrane protein with EGF-like and two follistatin-like domains 2
Ssc.13780.11.S1_x_at	1.9	MHC class I PD7 mRNA, partial 3' UTR
Ssc.12191.2.A1_at	1.8	90-kDa heat shock protein
Ssc.33.1.S1_at	1.8	dual oxidase 2
Ssc.1199.1.A1_at	1.6	17beta-estradiol dehydrogenase
Ssc.1743.1.S1_at	1.6	membrane-associated protein 17
Ssc.246.1.S1_at	1.6	Na <sup>+</sup> , K <sup>+</sup> -ATPase beta-subunit
Ssc.4953.1.A1_at	1.6	Fatty acid binding protein 5
Ssc.162.1.S1_at	1.5	relaxin
Ssc.3517.1.S1_at	1.5	plasma phospholipid transfer protein
Ssc.4875.1.S1_at	1.5	galanin-like peptide precursor
Ssc.9991.1.S1_at	1.5	parathyroid hormone-like hormone
Ssc.11942.1.S1_at	1.4	prostaglandin F2 receptor negative regulator
Ssc.26317.1.S1_at	1.4	alpha-2-macroglobulin
Ssc.86.1.S1_at	1.4	carbonyl reductase/NADP-retinol dehydrogenase
Ssc.12992.1.S1_at	1.3	Prostaglandin F2 receptor negative regulator
Ssc.13823.1.A1_at	1.3	Heat shock protein 20kDa
Ssc.15740.1.S2_at	1.3	vascular endothelial growth factor

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Ssc.1735.1.S1_at	1.3	acyl coenzyme A synthetase long-chain 1
Ssc.20133.1.A1_at	1.3	Thy-1 cell surface antigen
Ssc.415.1.S1_at	1.3	Muscle creatine kinase
Ssc.5563.1.S1_at	1.3	cellular retinol binding protein 1
Ssc.719.1.S1_at	1.3	alveolar macrophage-derived chemotactic factor-II
Ssc.1533.1.S1_at	1.2	Niemann-Pick C disease protein
Ssc.19694.1.S1_at	1.2	glutathione peroxidase 3
Ssc.22050.1.S1_s_at	1.2	fibrinogen-like protein 2
Ssc.3825.1.S1_at	1.2	Centrin 2
Ssc.5142.1.S1_at	1.2	Autotaxin
Ssc.11096.1.S1_at	1.1	succinyl-CoA:alpha-ketoacid coenzyme A transferase
Ssc.116.2.S1_a_at	1.1	Gamma-glutamyl transpeptidase
Ssc.11785.2.A1_at	1.1	Long-chain 3-ketoacyl-CoA thiolase
Ssc.14488.1.S1_at	1.1	folylpoly-gamma-glutamate carboxypeptidase
Ssc.18613.1.S1_at	1.1	chemokine (C-C motif) ligand 21
Ssc.4217.1.S1_at	1.1	inter-alpha-trypsin inhibitor family heavy chain-related protein
Ssc.5549.1.S1_at	1.1	fatty acid binding protein 5
Ssc.5563.2.S1_a_at	1.1	Cellular retinol binding protein 1
Ssc.6634.1.A1_at	1.1	Thy-1 cell surface antigen
Ssc.12017.1.A1_at	1.0	Unidentified hepatic protein mRNA
Ssc.15722.1.S1_at	1.0	Low density lipoprotein receptor-related protein-associated protein 1 (LREAP1)
Ssc.17717.1.S1_at	1.0	argininosuccinate synthetase 1
Ssc.23043.1.S1_at	1.0	long-chain 3-ketoacyl-CoA thiolase
Ssc.427.1.S1_at	1.0	T-cell receptor gamma and delta constant region
Ssc.94.1.A1_at	1.0	unconventional myosin
SscAffx.9.1.S1_at	1.0	fibrinogen-like protein 2
Ssc.579.1.S1_at	-5.2	seminal plasma protein pB1
Ssc.15890.1.S1_at	-5.1	vanin-1
Ssc.286.1.S1_s_at	-4.7	inflammatory response protein 6
Ssc.221.1.S1_at	-4.3	Mx protein
Ssc.24944.1.S1_a_at	-4.3	Fc gamma receptor I
Ssc.14527.1.S1_at	-4.1	glutamate decarboxylase 2
SscAffx.1.1.S1_at	-3.9	interferon stimulated gene 20kDa
Ssc.19866.1.S1_at	-3.4	carbonic anhydrase III
Ssc.9781.1.S1_at	-3.2	plasminogen activator inhibitor I
Ssc.1283.1.S1_at	-3.1	troponin C2
Ssc.2506.1.S1_at	-3.0	placenta expressed transcript protein
Ssc.14478.1.S1_at	-2.7	Immunoglobulin E epsilon chain precursor
Ssc.15888.1.S1_at	-2.7	lectin-like oxidized LDL receptor-1

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Ssc.336.1.S1_at	-2.7	ubiquitin-specific protease
Ssc.1031.1.S1_at	-2.4	2'-5' oligoadenylate synthetase
Ssc.10993.1.S1_a_at	-2.4	urate transporter/channel protein, isoform (UATp,i)
Ssc.15980.1.S1_at	-2.4	lipopolysaccharide-binding protein LPSBP
Ssc.2192.2.A1_at	-2.4	UPF3 regulator of nonsense transcripts-like protein B
Ssc.15885.1.S1_at	-2.3	RNA helicase
Ssc.140.1.S1_at	-2.2	ameloblastin
Ssc.21.1.S1_s_at	-2.2	RNA helicase
Ssc.4360.1.A1_at	-2.2	heart fatty acid-binding protein
Ssc.23793.1.S1_at	-2.1	CD2 antigen
Ssc.1089.1.S1_at	-2.0	adipocyte fatty acid-binding protein
Ssc.16039.1.S1_at	-2.0	regulator of G-protein signalling 1
Ssc.19054.1.S1_a_at	-2.0	chemokine C-C motif receptor 3
Ssc.220.1.A1_at	-2.0	Mx protein
Ssc.26282.1.S1_a_at	-2.0	Ribosomal protein S23
Ssc.10406.1.A1_at	-1.9	Thrombospondin 1 (THBS1 gene), isolated from hind limb skeletal muscle
Ssc.21418.1.S1_at	-1.9	Eukaryotic translation elongation factor 1 alpha 1
Ssc.79.1.S1_at	-1.9	CECR1 protein
Ssc.101.1.S1_at	-1.8	secreted phosphoprotein-I
Ssc.11190.1.S1_at	-1.8	Ig mu-chain mRNA C-region, 3' end
Ssc.16259.1.A1_at	-1.8	Gi-alpha-1 protein
Ssc.19946.1.S1_at	-1.8	Ig rearranged lambda chain mRNA V-J-C-regions, 3' end
Ssc.21145.1.S1_at	-1.8	beta-defensin 2
Ssc.11784.1.S1_at	-1.7	metalloproteinase tissue inhibitor 1
Ssc.12005.1.A1_at	-1.7	HLA-B associated transcript 1
Ssc.16234.1.S1_at	-1.7	haptocorrin
Ssc.17337.1.S1_at	-1.7	toll-like receptor 2
Ssc.4756.1.A1_at	-1.7	A3 adenosine receptor
Ssc.5030.1.A1_at	-1.7	tripartite motif protein TRIM5
Ssc.575.1.S1_at	-1.7	uteroferrin
Ssc.13778.1.S1_at	-1.6	IgG heavy chain
Ssc.14525.1.S1_at	-1.6	zona pellucida glycoprotein
Ssc.20006.1.S1_at	-1.6	sulfotransferase family, cytosolic, 1A, phenol-preferring, member 1
Ssc.3531.1.S1_at	-1.6	sodium/glucose cotransporter
Ssc.428.18.S1_a_at	-1.6	T-cell receptor alpha chain mRNA C-region, 3' end of cds
Ssc.4984.1.S1_at	-1.6	chemokine
Ssc.12829.1.A1_at	-1.5	Tumor necrosis factor (ligand) superfamily,

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		member 10
Ssc.148.1.S1_at	-1.5	interleukin 10
Ssc.22769.1.S1_at	-1.5	duffy antigen/chemokine receptor
Ssc.7176.1.A1_at	-1.5	chemokine (C-X-C motif) receptor 4
Ssc.14392.1.A1_at	-1.4	PSP94-like protein
Ssc.16012.1.S1_at	-1.4	interleukin-1 beta converting enzyme
Ssc.14520.1.S1_at	-1.3	signal transducer and activator of transcription 2
Ssc.15588.1.S2_at	-1.3	insulin-like growth factor-binding protein 3
Ssc.16160.1.S1_at	-1.3	CD86 protein
Ssc.17159.1.S1_at	-1.3	Voltage-dependent anion channel 2
Ssc.19364.1.S1_at	-1.3	complement C2
Ssc.21343.1.S1_at	-1.3	Endogenous retrovirus ERV-PK15 mRNA, complete sequence
Ssc.293.1.S1_at	-1.3	zona pellucida 2 glycoprotein
Ssc.5713.1.S1_at	-1.3	gelatinase A
Ssc.7274.1.A1_at	-1.3	double stranded RNA-dependent protein kinase
Ssc.90.1.S1_at	-1.3	38 kDa heparin-binding glycoprotein
Ssc.1020.1.S1_at	-1.2	cathepsin K precursor
Ssc.11075.3.S1_a_at	-1.2	T-cell receptor beta chain mRNA C-region, 3' end of cds
Ssc.1177.1.S1_at	-1.2	complement component C1s
Ssc.248.1.S1_at	-1.2	acylneuraminate lyase
Ssc.44.1.S1_at	-1.2	glycoprotein GPIIIa
Ssc.657.1.A1_at	-1.2	monocyte chemoattractant protein 1
Ssc.709.1.S1_at	-1.2	thioltransferase
Ssc.9075.1.A1_at	-1.2	C-JUN protein
Ssc.11075.6.S1_a_at	-1.1	T-cell receptor beta chain mRNA C-region, 3' end of cds
Ssc.16088.1.S1_at	-1.1	3-hydroxy-3-methylglutaryl coenzyme A reductase/HMG-CoA reductase
Ssc.16187.1.S1_at	-1.1	prostaglandin D synthase
Ssc.16189.1.S1_at	-1.1	endothelin receptor subtype A
Ssc.18980.1.A1_at	-1.1	S100 calcium-binding protein A6
Ssc.19689.1.S1_at	-1.1	sodium channel protein
Ssc.229.1.S1_at	-1.1	hepatic flavin-containing monooxygenase (FMO)
Ssc.26224.1.S1_at	-1.1	Chromosome 17 clone pkmCon46, mRNA sequence
Ssc.26328.1.S1_at	-1.1	chemokine C-C motif receptor 5
Ssc.300.1.S1_at	-1.1	natural resistance-associated macrophage protein
Ssc.428.12.S1_at	-1.1	T-cell receptor alpha chain mRNA C-region, 3'

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		end of cds
Ssc.924.3.A1_at	-1.1	Thrombospondin 1 (THBS1 gene), isolated from hind limb skeletal muscle
Ssc.983.1.S1_at	-1.1	complement C1r
Ssc.11075.11.S1_x_at	-1.0	T-cell receptor beta chain mRNA C-region, 3' end of cds
Ssc.11075.6.S1_x_at	-1.0	T-cell receptor beta chain mRNA C-region, 3' end of cds
Ssc.12781.1.A2_at	-1.0	Toll-like receptor 4
Ssc.1342.1.S1_at	-1.0	apolipoprotein E
Ssc.15800.1.S1_at	-1.0	insulin-like growth factor binding protein-5
Ssc.16348.1.S1_at	-1.0	neuropeptide Y Y1 receptor
Ssc.16743.1.S1_at	-1.0	fibronectin
Ssc.18359.1.S1_at	-1.0	chemokine C-C motif receptor 1
Ssc.22231.1.S1_at	-1.0	prepro-beta-defensin 3
Ssc.23495.1.S2_at	-1.0	CD8 antigen beta polypeptide
Ssc.237.1.A1_at	-1.0	bone sialoprotein
Ssc.27863.1.S1_at	-1.0	Cell-line PK(15) transporter associated with antigen processing 1 mRNA, complete cds, alternatively spliced
Ssc.298.1.S1_at	-1.0	enteropeptidase, light chain (L chain)
Ssc.309.1.S1_at	-1.0	vitronectin
Ssc.3139.1.A1_at	-1.0	Regulator of G-protein signaling 2 (RGS2) mRNA, RGS2-GOS8 allele
Ssc.4368.1.S1_at	-1.0	FBXO 32
Ssc.507.1.A1_at	-1.0	immunoreceptor DAP12
Ssc.508.1.S1_at	-1.0	Fc epsilon receptor gamma chain
Ssc.5943.1.S1_at	-1.0	biglycan
Ssc.6025.1.S1_at	-1.0	signal transducer and activator of transcription 1

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LP, Late Pregnant Period; NP, Non Pregnant Period.



**Table S10.** Molecular Function of Differentially Expressed Genes in Ovary and Myometrium

<b>Molecular Function</b>	<b>OE</b>	<b>OL</b>	<b>ME</b>	<b>ML</b>
transmembrane receptor activity	23%	19%	20%	20%
receptor activity	24%	20%	24%	23%
enzyme regulator activity	3%	0	3%	3%
endopeptidase inhibitor activity	0	0	0	2%
enzyme inhibitor activity	0	0	0	2%
MHC class II receptor activity	19%	0	10%	12%
signal transducer activity	26%	24%	29%	27%
MHC class I receptor activity	0	13%	7%	5%
protease inhibitor activity	0	0	0	2%
iron ion binding	0	0	3%	3%
nitric-oxide synthase regulator activity	1%	0	0	0
C-C chemokine receptor activity	2%	2%	0	0
C-C chemokine binding	2%	2%	0	0
lipid binding	0	3%	0	0
Cytokine binding	0	2%	0	0
endopeptidase activity	0	5%	0	0
serine-type peptidase activity	0	3%	0	0
peptidase activity	0	0	0	0
chemokine receptor activity	0	2%	0	0
chemokine binding	0	2%	0	0
monooxygenase activity	0	0	3%	0

ME, Myometrium Early Pregnant Period; ML, Myometrium Late Pregnant Period; OE, Ovary Early Pregnant Period; OL, Ovary Late Pregnant Period.

**Table S11.** Biological Process of Differentially Expressed Genes in Ovary and Myometrium

<b>Biological Progress</b>	<b>OE</b>	<b>OL</b>	<b>ME</b>	<b>ML</b>
exogenous antigen via MHC class II	8%	0	4%	6%
exogenous antigen via MHC class I	0	5%	2%	1%
response to stimulus	11%	14%	11%	11%
antigen processing	8%	6%	6%	7%
antigen presentation, exogenous antigen	8%	5%	6%	7%
lipid biosynthesis	0	0	0	1%
physiological process	16%	0	21%	21%
immune response	10%	12%	10%	10%
antigen presentation	8%	10%	8%	8%
organismal physiological process	11%	14%	10%	10%
response to biotic stimulus	10%	13%	10%	10%
defense response	10%	13%	10%	10%
response to pest, pathogen or parasite	0	2%	0	0
response to stress	0	3%	0	0
response to other organism	0	2%	0	0
cell proliferation	0	1%	0	0
cell growth	0	0	1%	0
growth	0	0	1%	0
cell cycle	0	0	0	0
regulation of cell size	0	0	1%	0

ME, Myometrium Early Pregnant Period; ML, Myometrium Late Pregnant Period; OE, Ovary Early Pregnant Period; OL, Ovary Late Pregnant Period.

**Table S12.** Cell Component of Differentially Expressed Genes in Ovary and Myometrium

<b>Cell Component</b>	<b>OE</b>	<b>OL</b>	<b>ME</b>	<b>ML</b>
membrane	37%	19%	17%	32%
immunological synapse	0	11%	5%	6%
plasma membrane	0	12%	5%	7%
intrinsic to membrane	32%	11%	10%	21%
MHC protein complex	0	11%	5%	6%
integral to membrane	32%	11%	10%	21%
MHC class I protein complex	0	11%	5%	6%
protein complex	0	13%	6%	0

ME, Myometrium Early Pregnant Period; ML, Myometrium Late Pregnant Period; OE, Ovary Early Pregnant Period; OL, Ovary Late Pregnant Period.

**Table S13.** Pathway of Differentially Expressed Genes EP in Ovary

<b>Term</b>	<b>RT</b>	<b>Count</b>	<b>%</b>	<b>P-Value</b>	<b>Benjamini</b>
Valine, leucine and isoleucine degradation	<b>RT</b>	5	2.5	5.5E-3	4.2E-1
Butanoate metabolism	<b>RT</b>	4	2.0	1.0E-2	4.0E-1
Dilated cardiomyopathy	<b>RT</b>	5	2.5	4.1E-2	7.4E-1
Metabolism of xenobiotics by cytochrome P450	<b>RT</b>	4	2.0	4.5E-2	6.8E-1
Complement and coagulation cascades	<b>RT</b>	5	2.5	6.7E-2	7.5E-1
Synthesis and degradation of ketone bodies	<b>RT</b>	2	1.0	9.8E-2	8.1E-1

**Table S14.** Pathway of Differentially Expressed Genes LP in Ovary

<b>Term</b>	<b>RT</b>	<b>Count</b>	<b>%</b>	<b>P-Value</b>	<b>Benjamini</b>
Primary immunodeficiency	<b>RT</b>	5	1.8	2.7E-2	9.5E-1
Valine, leucine and isoleucine degradation	<b>RT</b>	5	1.8	2.7E-2	9.5E-1
Complement and coagulation cascades	<b>RT</b>	7	2.5	3.4E-2	8.4E-1
Toll-like receptor signaling pathway	<b>RT</b>	8	2.9	6.4E-2	9.0E-1
Chemokine signaling pathway	<b>RT</b>	9	3.3	6.9E-2	8.5E-1
ECM-receptor interaction	<b>RT</b>	5	1.8	7.3E-2	8.0E-1
Pantothenate and CoA biosynthesis	<b>RT</b>	3	1.1	8.0E-2	7.7E-1

**Table S15.** Pathway of Differentially Expressed Genes EP in Myometrium

<b>Term</b>	<b>RT</b>	<b>Count</b>	<b>%</b>	<b>P-Value</b>	<b>Benjamini</b>
Lysosome	<b>RT</b>	20	2.8	8.2E-6	1.3E-3
Steroid hormone biosynthesis	<b>RT</b>	10	1.4	2.7E-4	2.2E-2
Arachidonic acid metabolism	<b>RT</b>	11	1.5	7.1E-3	3.2E-1
Glutathione metabolism	<b>RT</b>	9	1.2	1.8E-2	5.2E-1
Antigen processing and presentation	<b>RT</b>	14	1.9	1.8E-2	4.5E-1
PPAR signaling pathway	<b>RT</b>	12	1.7	4.0E-2	6.7E-1
Thyroid cancer	<b>RT</b>	6	0.8	7.4E-2	8.3E-1
Other glycan degradation	<b>RT</b>	4	0.6	7.5E-2	7.9E-1
Intestinal immune network for IgA production	<b>RT</b>	9	1.2	7.6E-2	7.6E-1
Basal cell carcinoma	<b>RT</b>	5	0.7	7.8E-2	7.3E-1
Metabolism of xenobiotics by cytochrome P450	<b>RT</b>	7	1.0	8.2E-2	7.2E-1
Graft-versus-host disease	<b>RT</b>	8	1.1	8.6E-2	7.0E-1
Amino sugar and nucleotide sugar metabolism	<b>RT</b>	6	0.8	9.1E-2	6.9E-1
Glycine, serine and threonine metabolism	<b>RT</b>	5	0.7	9.8E-2	7.0E-1

**Table S16.** Pathway of Differentially Expressed Genes LP in Myometrium

<b>Term</b>	<b>RT</b>	<b>Count</b>	<b>%</b>	<b>P-Value</b>	<b>Benjamini</b>
Lysosome	<b>RT</b>	26	2.8	4.7E-8	7.7E-6
Antigen processing and presentation	<b>RT</b>	23	2.4	1.5E-5	1.2E-3
Intestinal immune network for IgA production	<b>RT</b>	14	1.5	2.4E-3	1.2E-1
Viral myocarditis	<b>RT</b>	15	1.6	8.4E-3	2.9E-1
Cell adhesion molecules (CAMs)	<b>RT</b>	19	2.0	1.2E-2	3.3E-1
Allograft rejection	<b>RT</b>	12	1.3	1.6E-2	3.6E-1
Graft-versus-host disease	<b>RT</b>	11	1.2	1.8E-2	3.4E-1
Cell cycle	<b>RT</b>	16	1.7	2.0E-2	3.4E-1
ABC transporters	<b>RT</b>	6	0.6	2.3E-2	3.5E-1
Steroid hormone biosynthesis	<b>RT</b>	8	0.8	2.6E-2	3.5E-1
Glycosphingolipid biosynthesis	<b>RT</b>	5	0.5	2.9E-2	3.6E-1
Asthma	<b>RT</b>	8	0.8	4.5E-2	4.6E-1
Cysteine and methionine metabolism	<b>RT</b>	7	0.7	4.7E-2	4.6E-1
Primary immunodeficiency	<b>RT</b>	8	0.8	5.6E-2	4.9E-1
Pentose phosphate pathway	<b>RT</b>	4	0.4	6.0E-2	4.9E-1
Steroid biosynthesis	<b>RT</b>	4	0.4	6.0E-2	4.9E-1
Sphingolipid metabolism	<b>RT</b>	7	0.7	6.1E-2	4.8E-1
Autoimmune thyroid disease	<b>RT</b>	12	1.3	6.2E-2	4.6E-1
Drug metabolism	<b>RT</b>	9	1.0	6.3E-2	4.5E-1
Complement and coagulation cascades	<b>RT</b>	13	1.4	6.3E-2	4.3E-1
Glycine, serine and threonine metabolism	<b>RT</b>	6	0.6	6.6E-2	4.3E-1
Type I diabetes mellitus	<b>RT</b>	11	1.2	7.0E-2	4.3E-1
p53 signaling pathway	<b>RT</b>	10	1.1	8.0E-2	4.6E-1
PPAR signaling pathway	<b>RT</b>	13	1.4	8.4E-2	4.6E-1
Aldosterone-regulated sodium reabsorption	<b>RT</b>	6	0.6	8.6E-2	4.6E-1
Metabolism of xenobiotics by cytochrome P450	<b>RT</b>	8	0.8	8.6E-2	4.4E-1

**Table S17.** Pathway of Differentially Expressed Genes

<b>group</b>	<b>Term</b>	<b>Count</b>	<b>%</b>	<b>P-Value</b>
oepup	Valine, leucine and isoleucine degradation	4	3.9	5.5E-3
oepup	Complement and coagulation cascades	4	3.9	4.1E-2
olpup	Valine, leucine and isoleucine degradation	4	3.7	5.9E-3
olpdown	Primary immunodeficiency	5	3.0	6.8E-3
olpdown	ECM-receptor interaction	5	3.0	2.0E-2
olpdown	Toll-like receptor signaling pathway	7	4.1	3.0E-2
olpdown	Hematopoietic cell lineage	6	3.6	3.1E-2
olpdown	Pantothenate and CoA biosynthesis	3	1.8	3.9E-2
mepup	Lysosome	20	5.5	3.7E-10
mepup	Steroid hormone biosynthesis	10	2.7	1.9E-6
mepup	Glutathione metabolism	7	1.9	1.0E-2
mepup	Complement and coagulation cascades	9	2.5	1.4E-2
mepup	Other glycan degradation	4	1.1	1.5E-2
mepup	PPAR signaling pathway	9	2.5	1.8E-2
mepup	Arachidonic acid metabolism	7	1.9	2.7E-2
mepup	Renin-angiotensin system	4	1.1	3.0E-2
mepup	Porphyrin and chlorophyll metabolism	4	1.1	3.0E-2
mepup	Sphingolipid metabolism	5	1.4	3.5E-2
mepup	ABC transporters	4	1.1	3.9E-2
mepup	Amino sugar and nucleotide sugar metabolism	5	1.4	4.2E-2
mepup	Pentose and glucuronate interconversions	3	0.8	4.4E-2
mepdown	Intestinal immune network for IgA production	8	2.2	3.5E-3
mepdown	Antigen processing and presentation	10	2.8	3.6E-3
mepdown	Allograft rejection	7	2.0	1.3E-2



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mepdown	Type I diabetes mellitus	7	2.0	1.9E-2
mepdown	Graft-versus-host disease	6	1.7	2.9E-2
mepdown	Autoimmune thyroid disease	7	2.0	3.1E-2
mepdown	Cell adhesion molecules (CAMs)	9	2.5	3.2E-2
mepdown	Viral myocarditis	7	2.0	4.2E-2
mepdown	Glycine, serine and threonine metabolism	4	1.1	4.5E-2
mlpup	Lysosome	24	5.4	6.9E-13
mlpup	Steroid hormone biosynthesis	7	1.6	3.1E-3
mlpup	Complement and coagulation cascades	11	2.5	3.2E-3
mlpup	ECM-receptor interaction	8	1.8	9.0E-3
mlpup	Sphingolipid metabolism	6	1.3	1.3E-2
mlpup	Glycosphingolipid biosynthesis	4	0.9	2.2E-2
mlpup	Other glycan degradation	4	0.9	2.2E-2
mlpup	Glycosaminoglycan degradation	4	0.9	3.2E-2
mlpup	PPAR signaling pathway	9	2.0	3.9E-2
mlpdown	Antigen processing and presentation	19	3.8	9.5E-8
mlpdown	Allograft rejection	11	2.2	2.6E-4
mlpdown	Intestinal immune network for IgA production	11	2.2	3.4E-4
mlpdown	Viral myocarditis	12	2.4	6.1E-4
mlpdown	Autoimmune thyroid disease	11	2.2	1.3E-3
mlpdown	Cell adhesion molecules (CAMs)	14	2.8	1.6E-3
mlpdown	Graft-versus-host disease	9	1.8	2.2E-3
mlpdown	Type I diabetes mellitus	10	2.0	2.4E-3
mlpdown	Cell cycle	12	2.4	3.1E-3
mlpdown	Glycine, serine and threonine metabolism	6	1.2	3.9E-3
mlpdown	Asthma	7	1.4	5.5E-3
mlpdown	Primary immunodeficiency	7	1.4	7.1E-3
mlpdown	Cysteine and methionine metabolism	6	1.2	9.9E-3

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mlpdown	Systemic lupus erythematosus	14	2.8	1.3E-2
mlpdown	Drug metabolism	7	1.4	2.0E-2

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**Figure S1:**

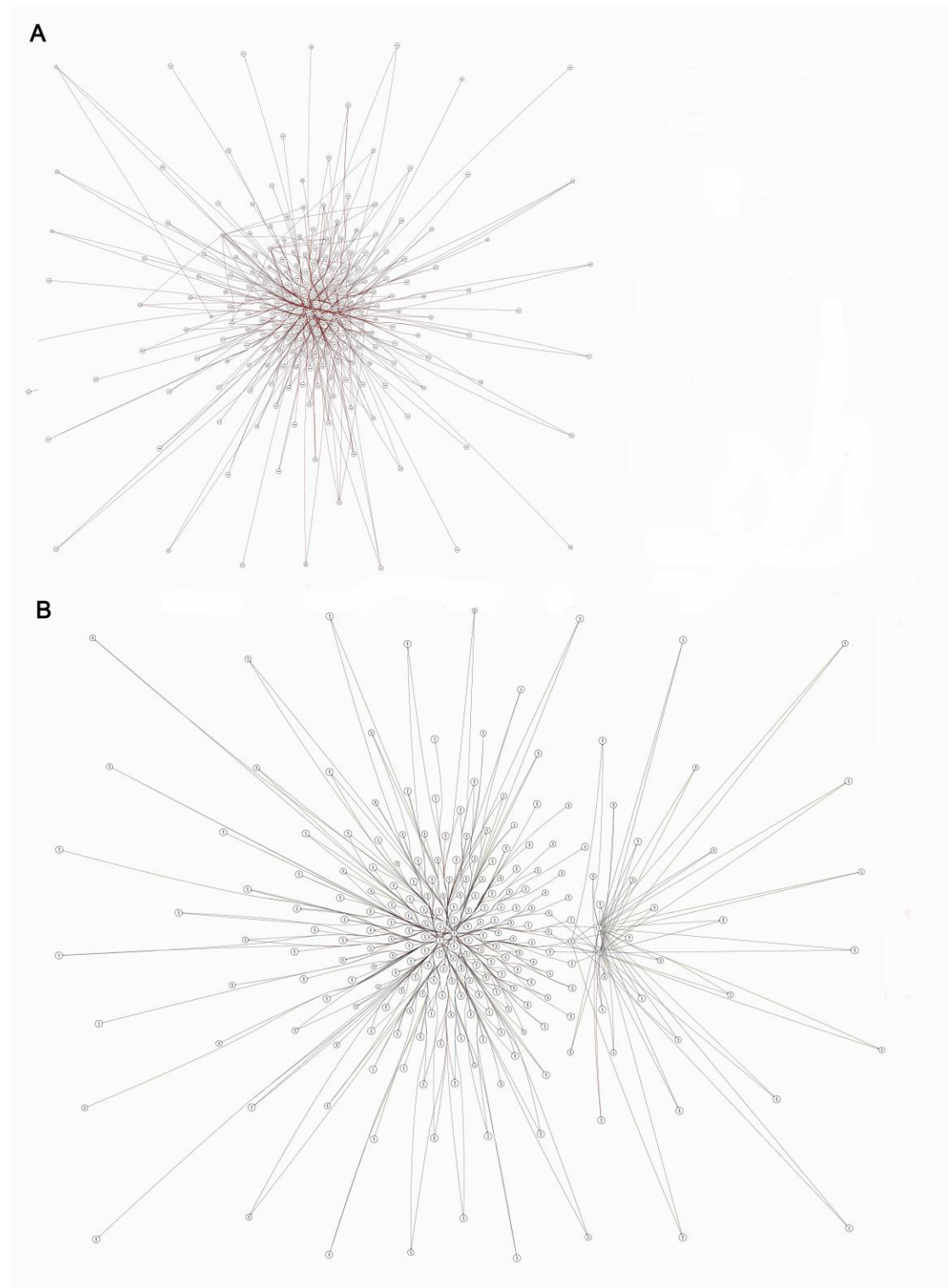


Figure S2:

