

Table S3 Genes with expression patterns associated with mastitis.

Mouse		Human		Cattle		Gene name		Pathogen	Model org.	Reference
Gene	Chr.	Gene	Chr.	Gene	Chr.	Location (bp)				
<i>Nfkbiz</i>	16	<i>NFKBIZ</i>	3 (p12-q12)	<i>NFKBIZ</i>	1	47,287,100-47,314,600	<i>nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, zeta</i>	<i>E. coli</i>	mouse	Zheng et al. 2006
<i>Ets2</i>	16	<i>ETS2</i>	21 (q22.2)	<i>ETS2</i>	1	154,594,100-154,622,300	<i>E26 avian leukemia oncogene 2, 3' domain</i>	<i>E. coli</i>	mouse	Zheng et al. 2006
<i>Ehhadh</i>	16	<i>EHHADH</i>	3 (q26.3-q28)	<i>EHHADH</i>	1	83,709,000-83,846,000	<i>enoyl-Coenzyme A, hydratase/3-hydroxyacyl Coenzyme A dehydrogenase</i>	<i>E. coli</i>	mouse	Zheng et al. 2006
<i>Ccl20</i>	1	<i>CCL20</i>	2 (q33-q37)	<i>CCL20</i>	2	120,588,800-120,596,500	<i>chemokine (C-C motif) ligand 20</i>	<i>E. coli</i>	mouse	Zheng et al. 2006
<i>Rbms1</i>	2	<i>RBMS1</i>	2 (q24.2)	<i>RBMS1</i>	2	36,940,000-37,480,000	<i>RNA binding motif, single stranded interacting protein 1</i>	<i>E. coli</i>	mouse	Zheng et al. 2006
<i>Ly75</i>	2	<i>LY75</i>	2 (q24)	<i>LY75</i>	2	37,390,000-38,150,000	<i>lymphocyte antigen 75</i>	ND	cattle	Schwerin et al. 2003
<i>S100a8</i>	3	<i>S100A8</i>	1 (q21)	<i>S100A8</i>	3	18,480,300-18,485,100	<i>S100 calcium binding protein A8 (calgranulin A)</i>	<i>E. coli</i>	mouse	Zheng et al. 2006
<i>Jun</i>	4	<i>JUN</i>	1 (p32-p31)	<i>JUN</i>	3	21,663,000-21,674,600	<i>Jun oncogene</i>	<i>E. coli</i>	mouse	Zheng et al. 2006
<i>Mcl1</i>	3	<i>MCL1</i>	1 (q21)	<i>MCL1</i>	3	93,617,300-93,622,400	<i>myeloid cell leukemia sequence 1</i>	<i>E. coli</i>	mouse	Zheng et al. 2006
<i>Il-6</i>	5	<i>IL6</i>	7 (p21)	<i>IL6</i>	4	32,753,300-32,764,200	<i>interleukin 6</i>	<i>E. coli</i> <i>E. coli</i>	mouse cattle	Zheng et al. 2006 Pareek et al. 2005
<i>Hgf</i>	5	<i>HGF</i>	7 (q21.1)	<i>HGF</i>	4	40,160,000-40,550,000	<i>hepatocyte growth factor</i>	<i>E. coli</i>	mouse	Zheng et al. 2006
<i>Btg1</i>	10	<i>BTG1</i>	12 (q22)	<i>BTG1</i>	5	24,782,700-24,789,500	<i>B-cell translocation gene 1, anti-proliferative</i>	<i>E. coli</i>	mouse	Zheng et al. 2006
<i>Etv6</i>	6	<i>ETV6</i>	12 (p13)	<i>ETV6</i>	5	105,060,000-105,470,000	<i>ets variant gene 6 (TEL oncogene)</i>	<i>E. coli</i>	mouse	Zheng et al. 2006
<i>Maff</i>	15	<i>MAFF</i>	22 (q13.1)	<i>MAFF</i>	5	117,027,100-117,049,400	<i>v-maf musculoaponeurotic fibrosarcoma oncogene family, protein F (avian)</i>	<i>E. coli</i>	mouse	Zheng et al. 2006
<i>Bid</i>	6	<i>BID</i>	22 (q11.1)	<i>BID</i>	5	49,347,600-	<i>BH3 interacting domain death</i>	<i>E. coli</i>	mouse	Zheng et al. 2006

<i>Map2k7</i>	8	<i>MAP2K7</i>	19 (p13.3-p13.2)	<i>MAP2K7</i>	7	15.107.300-15.128.000	<i>mitogen activated protein kinase kinase 7</i>	<i>E. coli</i>	mouse	Zheng <i>et al.</i> 2006
<i>Csf2</i>	11	<i>CSF2</i>	5 (q31.1)	<i>CSF2</i>	7	21.081.100-21.087.000	<i>colony stimulating factor 2 (granulocyte-macrophage)</i>	<i>E. coli</i> and <i>S. aureus</i>	cattle	Lee <i>et al.</i> 2006
<i>Il12b</i>	11	<i>IL12B</i>	5 (q31.1-q33.1)	<i>IL12B</i>	7	70.704.300-70.730.300	<i>interleukin 12b</i>	<i>E. coli</i> and <i>S. aureus</i>	cattle	Lee <i>et al.</i> 2006
<i>Tlr4</i>	4	<i>TLR4</i>	9 (q32-q33)	<i>TLR4</i>	8	112.418.500-112.446.100	<i>toll-like receptor 4</i>	<i>E. coli</i> ND	mouse cattle	Zheng <i>et al.</i> 2006 Goldammer <i>et al.</i> 2004
<i>Ostf1</i>	19	<i>OSTF1</i>	9q13-q21	<i>OSTF1</i>	8	53.434.000-53.586.000	<i>osteoclast stimulating factor 1</i>	ND	cattle	Schwerin <i>et al.</i> 2003
<i>Fyn</i>	10	<i>FYN</i>	6 (q21)	<i>FYN</i>	9	40.320.000-40.700.000	<i>Fyn proto-oncogene</i>	<i>E. coli</i>	mouse	Zheng <i>et al.</i> 2006
<i>Tnfaip3</i>	10	<i>TNFAIP3</i>	6 (q23)	<i>TNFAIP3</i>	9	78.042.800-78.068.600	<i>tumor necrosis factor, alpha-induced protein 3</i>	<i>E. coli</i>	mouse	Zheng <i>et al.</i> 2006
<i>B2m</i>	2	<i>B2M</i>	15 (q21-q22.2)	<i>B2M</i>	10	106.122.900-106.138.500	<i>beta 2 microglobulin</i>	<i>E. coli</i>	cattle	Pareek <i>et al.</i> 2005
<i>Fos</i>	12	<i>FOS</i>	14 (q24.3)	<i>FOS</i>	10	88.957.300-88.965.900	<i>FBJ osteosarcoma oncogene</i>	<i>E. coli</i>	mouse	Zheng <i>et al.</i> 2006
<i>Acot1</i>	12	<i>ACOT1</i>	14 (q24)	<i>ACOT1</i>	10	87 M	<i>acyl-CoA thioesterase 1</i>	<i>E. coli</i>	mouse	Zheng <i>et al.</i> 2006
<i>Rora</i>	9	<i>RORA</i>	15 (q21-q22)	<i>RORA</i>	10	48.640.000-50.690.000	<i>RAR-related orphan receptor alpha</i>	ND	cattle	Schwerin <i>et al.</i> 2003
<i>Birc2</i>	9	<i>BIRC2</i>	11 (q22)	<i>BIRC2</i>	11	5 M	<i>baculoviral IAP repeat-containing 2</i>	<i>E. coli</i>	cattle	Pareek <i>et al.</i> 2005
<i>Il1b</i>	2	<i>IL1B</i>	2 (q14)	<i>IL1B</i>	11	48.242.900-48.263.900	<i>interleukin 1 beta</i>	<i>E. coli</i> <i>E. coli</i> <i>K. pneumoniae</i> <i>E. coli</i> and <i>S. aureus</i>	mouse cattle cattle cattle	Zheng <i>et al.</i> 2006 Pareek <i>et al.</i> 2005 Bannerman <i>et al.</i> 2004a Bannerman <i>et al.</i> 2004b
<i>Hadhb</i>	5	<i>HADHB</i>	2 (p23)	<i>HADHB</i>	11	75.298.000-75.374.000	<i>hydroxyacyl-Coenzyme A dehydrogenase/3-ketoacyl-Coenzyme A thiolase/enoyl-Coenzyme A hydratase (trifunctional protein), beta subunit</i>	<i>E. coli</i>	mouse	Zheng <i>et al.</i> 2006
<i>Vrk2</i>	11	<i>VRK2</i>	2 (p16-p15)	<i>VRK2</i>	11	42.206.000-42.477.000	<i>vaccinia related kinase 2</i>	ND	cattle	Schwerin <i>et al.</i> 2003

<i>Ptgs1</i>	2	<i>PTGSI</i>	9 (q32-q33.3)	<i>PTGSI</i>	11	96.337.000-96.402.000	<i>prostaglandin-endoperoxide synthase 1</i>	ND	cattle	Pfäfl <i>et al.</i> 2003
<i>Cdk8</i>	5	<i>CDK8</i>	13 (q12)	<i>CDK8</i>	12	33.096.000-33.217.000	<i>cyclin-dependent kinase 8</i>	ND	cattle	Schwerin <i>et al.</i> 2003
<i>Cebpb</i>	2	<i>CEBPB</i>	20 (q13.1)	<i>CEBPB</i>	13	83M	<i>CCAAT/enhancer binding protein (C/EBP), beta</i>	<i>E. coli</i>	mouse	Zheng <i>et al.</i> 2006
<i>Map3k8</i>	18	<i>MAP3K8</i>	10 (p11.23)	<i>MAP3K8</i>	13	35.203.000-35.268.000	<i>mitogen activated protein kinase kinase 8</i>	<i>E. coli</i>	mouse	Zheng <i>et al.</i> 2006
<i>Mmp9</i>	2	<i>MMP9</i>	20 (q11.2-q13.1)	<i>MMP9</i>	13	75.514.200-75.532.500	<i>matrix metalloproteinase 9</i>	<i>E. coli</i>	cattle	Long <i>et al.</i> 2001
<i>Ahcy</i>	2	<i>AHCY</i>	20 (cen-q13.1)	<i>AHCY</i>	13	64.337.780-64.340.670	<i>S-adenosylhomocysteine hydrolase</i>	ND	cattle	Schwerin <i>et al.</i> 2003
<i>Lbp</i>	2	<i>LBP</i>	20 (q11.23-q12)	<i>LBP</i>	13	67.761.000-67.869.000	<i>lipopolysaccharide binding protein</i>	<i>K. pneumoniae</i> <i>E. coli</i> and <i>S. aureus</i>	cattle cattle	Bannerman <i>et al.</i> 2004a Bannerman <i>et al.</i> 2004b
<i>Ly96</i>	1	<i>LY96</i>	8 (q21.11)	<i>LY96</i>	14	54 M	<i>lymphocyte antigen 96</i>	<i>E. coli</i>	mouse	Zheng <i>et al.</i> 2006
<i>Prkdc</i>	16	<i>PRKDC</i>	8 (q11)	<i>PRKDC</i>	14	18.986.000-19.305.000	<i>protein kinase, DNA activated, catalytic polypeptide</i>	ND	cattle	Schwerin <i>et al.</i> 2003
<i>Hspa8</i>	9	<i>HSPA8</i>	11 (q24.1)	<i>HSPA8</i>	15	32.344.800-32.355.900	<i>heat shock protein 8</i>	<i>E. coli</i>	mouse	Zheng <i>et al.</i> 2006
<i>Casp4</i>	9	<i>CASP4</i>	11 (q22.2-q22.3)	<i>CASP4</i>	15	2.083.000-2.131.000	<i>caspase 4, apoptosis-related cysteine peptidase</i>	<i>E. coli</i>	mouse	Zheng <i>et al.</i> 2006
<i>Birc3</i>	9	<i>BIRC3</i>	11 (q22)	<i>BIRC3</i>	15	5.373.000-5.450.000	<i>baculoviral IAP repeat-containing 3</i>	<i>E. coli</i>	mouse	Zheng <i>et al.</i> 2006
<i>Ucp3</i>	7	<i>UCP3</i>	11 (q13)	<i>UCP3</i>	15	53.096.400-53.122.700	<i>uncoupling protein 3 (mitochondrial, proton carrier)</i>	<i>E. coli</i>	mouse	Zheng <i>et al.</i> 2006
<i>Hnrpu</i>	1	<i>HNRPU</i>	1 (q44)	<i>HNRPU</i>	16	29.695.100-29.699.100	<i>heterogeneous nuclear ribonucleoprotein U</i>	ND	cattle	Schwerin <i>et al.</i> 2003
<i>Selp</i>	1	<i>SELP</i>	1 (q22-q25)	<i>SELP</i>	16	34.635.000-34.743.000	<i>selectin, platelet</i>	<i>E. coli</i>	mouse	Zheng <i>et al.</i> 2006
<i>Rsc1a1</i>	NA	<i>RSC1A1</i>	1 (p36.1)	<i>RSC1A1</i>	16	49.123.000-49.212.000	<i>regulatory solute carrier protein, family 1, member 1</i>	ND	cattle	Schwerin <i>et al.</i> 2003
<i>Ptgs2</i>	1	<i>PTGS2</i>	1 (q25.2-q25.3)	<i>PTGS2</i>	16	65.506.300-65.525.400	<i>prostaglandin-endoperoxide synthase 2</i>	ND	cattle	Pfäfl <i>et al.</i> 2003
<i>Tlr2</i>	3	<i>TLR2</i>	4 (q32)	<i>TLR2</i>	17	4.271.600-4.304.700	<i>toll-like receptor 2</i>	<i>E. coli</i> ND	mouse. cattle	Zheng <i>et al.</i> 2006 Goldammer <i>et al.</i> 2004

<i>Taok3</i>	5	<i>TAOK3</i>	12 (q)	<i>TAOK3</i>	17	59,650,000-60,130,000	<i>TAO kinase 3</i>	ND	cattle	Schwerin et al. 2003
<i>Hp</i>	8	<i>HP</i>	16 (q22.1)	<i>HP</i>	18	38,128,500-38,143,900	<i>haptoglobin</i>	<i>E. coli</i>	mouse	Zheng et al. 2006
<i>Relb</i>	7	<i>RELB</i>	19 (q13.32)	<i>RELB</i>	18	52,460,000-52,527,000	<i>avian reticuloendotheliosis viral (v-rel) oncogene related B</i>	<i>E. coli</i>	mouse	Zheng et al. 2006
<i>Kcnn4</i>	7	<i>KCNN4</i>	19 (q13.2)	<i>KCNN4</i>	18	51,693,800-51,728,000	<i>potassium intermediate/small conductance calcium-activated channel, subfamily N, member 4</i>	<i>E. coli</i>	mouse	Zheng et al. 2006
<i>Bax</i>	7	<i>BAX</i>	19 (q13.3-q13.4)	<i>BAX</i>	18	55,349,200-55,359,700	<i>Bcl2-associated X protein</i>	<i>E. coli</i>	cattle	Long et al. 2001
<i>C5ar1</i>	7	<i>C5ARI</i>	19 (q13.3-q13.4)	<i>C5ARI</i>	18	54,091,000-54,138,000	<i>complement component 5a receptor 1</i>	<i>K. pneumoniae</i> <i>E. coli</i> and <i>S. aureus</i>	cattle cattle	Bannerman et al. 2004a Bannerman et al. 2004b
<i>Ccl5</i>	11	<i>CCL5</i>	17 (q11.2-q12)	<i>CCL5</i>	19	13,965,800-13,982,700	<i>chemokine (C-C motif) ligand 5</i>	<i>E. coli</i>	cattle	Pareek et al. 2005
<i>Stat3</i>	11	<i>STAT3</i>	17 (q21.31)	<i>STAT3</i>	19	43,730,000-43,808,000	<i>signal transducer and activator of transcription 3</i>	<i>E. coli</i>	mouse	Zheng et al. 2006
<i>Ccl2</i>	11	<i>CCL2</i>	17 (q11.2-q12)	<i>CCL2</i>	19	13,820,900-13,824,700	<i>chemokine (C-C motif) ligand 2</i>	<i>E. coli</i>	mouse	Zheng et al. 2006
<i>Ccl7</i>	11	<i>CCL7</i>	17 (q11.2-q12)	<i>CCL7</i>	19	15,663,900-15,668,600	<i>chemokine (C-C motif) ligand 7</i>	<i>E. coli</i>	mouse	Zheng et al. 2006
<i>Ccl3</i>	11	<i>CCL3</i>	17 (q11-q21)	<i>CCL3</i>	19	10 M	<i>chemokine (C-C motif) ligand 3</i>	<i>E. coli</i>	mouse	Zheng et al. 2006
<i>Cxcl16</i>	11	<i>CXCL16</i>	17 (p13)	<i>CXCL16</i>	19	26,980,700-26,989,400	<i>chemokine (C-X-C motif) ligand 16</i>	<i>E. coli</i>	mouse	Zheng et al. 2006
<i>Acly</i>	11	<i>ACLY</i>	17 (q12-q21)	<i>ACLY</i>	19	43,374,000-43,485,000	<i>ATP citrate lyase</i>	<i>E. coli</i>	mouse	Zheng et al. 2006
<i>Trp53</i>	11	<i>TP53</i>	17 (p13.1)	<i>TP53</i>	19	27,870,400-27,901,300	<i>transformation related protein 53</i>	ND	cattle	Schwerin et al. 2003
<i>Nr1d1</i>	11	<i>NR1D1</i>	17 (q11.2)	<i>NR1D1</i>	19	41,649,900-41,668,200	<i>nuclear receptor subfamily 1, group D, member 1</i>	ND	cattle	Schwerin et al. 2003
<i>Dusp1</i>	17	<i>DUSP1</i>	5 (q34)	<i>DUSP1</i>	20	4,573,500-4,581,200	<i>dual specificity phosphatase 1</i>	<i>E. coli</i>	mouse	Zheng et al. 2006
<i>Calm2</i>	17	<i>CALM2</i>	2 (p21)	<i>CALM2</i>	20	8,507,370-8,510,270	<i>calmodulin 2</i>	<i>E. coli</i>	mouse	Zheng et al. 2006
<i>Oxct1</i>	15	<i>OXCT1</i>	5 (p13.1)	<i>OXCT1</i>	20	34,743,000-35,044,000	<i>3-oxoacid CoA transferase 1</i>	<i>E. coli</i>	mouse	Zheng et al. 2006
<i>Nfkbia</i>	12	<i>NFKBIA</i>	14 (q13)	<i>NFKBIA</i>	21	46,437,800-	<i>nuclear factor of kappa light</i>	<i>E. coli</i>	mouse	Zheng et al. 2006

								46.446.300	<i>chain gene enhancer in B-cells inhibitor, alpha</i>										
<i>Bcl2ala</i>	9	<i>BCL2A1</i>	15 (q24.3)			<i>BCL2A1</i>	21	25.747.600-25.772.000	<i>B-cell leukemia/lymphoma 2 related protein A1a</i>	<i>E. coli</i>	mouse								Zheng et al. 2006
<i>Fezf2</i>	14	<i>FEZF2</i>	3 (p14.2)			<i>FEZF2</i>	22	39.843.600-39.855.300	<i>Fez family zinc finger 2</i>	<i>E. coli</i>	cattle								Sugimoto et al. 2006
<i>Ltf</i>	9	<i>LTF</i>	3 (q21-q23)			<i>LTF</i>	22	54.289.000-54.372.000	<i>lactoferrin</i>	ND	cattle								Pfaffl et al. 2003
<i>Dcdc2a</i>	13	<i>DCDC2</i>	6 (p22.1)			<i>DCDC2</i>	23	34 M	<i>doublecortin domain containing 2</i>	<i>E. coli</i>	cattle								Pareek et al. 2005
<i>Cfb</i>	17	<i>CFB</i>	6 (p21.3)			<i>CFB</i>	23	27.202.700-27.217.800	<i>complement factor B</i>	<i>E. coli</i>	mouse								Zheng et al. 2006
<i>Kenk5</i>	14	<i>KCNK5</i>	6 (p21)			<i>KCNK5</i>	23	13.528.000-13.625.000	<i>potassium channel, subfamily K, member 5</i>	<i>E. coli</i>	mouse								Zheng et al. 2006
<i>Ssr1</i>	13	<i>SSRI</i>	6 (p24.3)			<i>SSRI</i>	23	48.904.000-48.950.000	<i>signal sequence receptor, alpha</i>	<i>S. agalactiae</i>	cattle								Schwerin et al. 2003
<i>Tnf</i>	17	<i>TNF</i>	6 (p21.3)			<i>TNF</i>	23	27.529.200-27.536.100	<i>tumor necrosis factor</i>	<i>E. coli</i> and <i>S. aureus</i>	cattle								Lee et al. 2006
<i>Lyn</i>	4	<i>LYN</i>	8 (q13)			<i>YES1</i>	24	36.749.000-36.911.000	<i>Yamaguchi sarcoma viral (γ-yes-1) oncogene homolog</i>	<i>K. pneumoniae</i> <i>E. coli</i> and <i>S. aureus</i> ND	cattle								Bannerman et al. 2004a Bannerman et al. 2004b Pfaffl et al. 2003
<i>Bcl2</i>	1	<i>BCL2</i>	18 (q21.3)			<i>BCL2</i>	24	63.860.000-64.370.000	<i>B-cell leukemia/lymphoma 2</i>	<i>E. coli</i>	cattle								Long et al. 2001
<i>Actb</i>	5	<i>ACTB</i>	7 (p15-p12)			<i>ACTB</i>	25	40.632.600-40.641.100	<i>actin, beta, cytoplasmic</i>	<i>E. coli</i> and <i>S. aureus</i>	cattle								Lee et al. 2006
<i>Plce1</i>	19	<i>PLCE1</i>	10 (q23)			<i>PLCE1</i>	26	15.580.000-16.500.000	<i>phospholipase C, epsilon 1</i>	<i>S. agalactiae</i>	cattle								Schwerin et al. 2003
NA	NA	NA	NA			<i>LAP</i>	27	7.407.100-7.411.600	<i>lingual antimicrobial peptide</i>	<i>S. uberis, S. aureus, Corynebacterium spp.</i>	cattle								Swanson et al. 2004
<i>Plat</i>	8	<i>PLAT</i>	8 (p12)			<i>PLAT</i>	27	39.451.000-39.511.000	<i>plasminogen activator, tissue</i>	<i>E. coli</i>	cattle								Pareek et al. 2005
<i>Acs1l</i>	8	<i>ACSL1</i>	4 (q34-q35)			<i>ACSL1</i>	27	16.445.000-16.607.000	<i>acyl-CoA synthetase long-chain family member 1</i>	<i>E. coli</i>	mouse								Zheng et al. 2006
<i>Kenk1</i>	8	<i>KCNK1</i>	1 (q42-q43)			<i>KCNK1</i>	28	4.743.000-4.911.000	<i>potassium channel, subfamily K, member 1</i>	<i>E. coli</i>	mouse								Zheng et al. 2006

<i>Alox5</i>	6	<i>ALOX5</i>	10 (q11.2)	<i>ALOX5</i>	28	44.440.000-44.556.000	<i>arachidonate 5-lipoxygenase</i>	ND	cattle	Pfäfl <i>et al.</i> 2003
<i>Rela</i>	19	<i>RELA</i>	11 (q13)	<i>RELA</i>	29	45.686.400-45.708.100	<i>v-rel reticuloendotheliosis viral oncogene homolog A (avian)</i>	<i>E. coli</i>	mouse	Zheng <i>et al.</i> 2006
<i>Saa2</i>	7	<i>SAA2</i>	11 (p15.1-p14)	<i>SAA2</i>	29	22 M	<i>serum amyloid A 2</i>	<i>E. coli</i>	mouse	Zheng <i>et al.</i> 2006
<i>Saa1</i>	7	<i>SAA1</i>	11 (p15.1)	<i>SAA1</i>	29	22 M	<i>serum amyloid A 1</i>	<i>E. coli</i>	mouse	Zheng <i>et al.</i> 2006
<i>Saa3</i>	7	<i>SAA3</i>	11 (p15.1)	<i>SAA3</i>	29	27.681.500-27.690.900	<i>serum amyloid A 3</i>	<i>E. coli</i> ND	mouse cattle	Zheng <i>et al.</i> 2006 Schwerin <i>et al.</i> 2003
<i>Tirap</i>	9	<i>TIRAP</i>	11 (q24.2)	<i>TIRAP</i>	29	31.225.600-31.237.700	<i>toll-interleukin 1 receptor (TIR) domain-containing adaptor protein</i>	<i>E. coli</i>	mouse	Zheng <i>et al.</i> 2006
<i>Ahnak</i>	19	<i>AHNAK</i>	11 (q12.2)	<i>AHNAK</i>	29	42.566.300-42.578.700	<i>AHNAK nucleoprotein (desmoyokin)</i>	<i>S. agalactiae</i>	cattle	Schwerin <i>et al.</i> 2003
<i>Cdkl5</i>	X	<i>CDKL5</i>	X (p22)	<i>CDKL5</i>	X	15 M	<i>serine/threonine kinase 9 (cyclin-dependent kinase-like 5)</i>	<i>S. agalactiae</i>	cattle	Schwerin <i>et al.</i> 2003
<i>Enox2</i>	X	<i>ENOX2</i>	X (q25-q26.2)	<i>ENOX2</i>	X	80 M	<i>ecto-NOX disulfide-thiol exchanger 2</i>	ND	cattle	Schwerin <i>et al.</i> 2003
<i>Defb5</i>	8	NA	NA	<i>BNBD5</i>	NA	UN	<i>defensin beta 5</i>	ND	cattle	Goldammer <i>et al.</i> 2004

NA, not available; ND, not defined; M, location in mega base-pairs identified using bovine-human synteny map.