

SUPPLEMENTARY

Supplementary Table 1. List of peptides identified in the 6 bovine milk samples. Peak volumes (intensity) are given for each peptide by sample. The number of each kind of modification (acetylation, A; oxidation, O; phosphorylation, P; pyroglutamination of glutamine, PyrQ; and deamidation, D) are shown in the “Mods” column. The position in the protein amino acid sequence takes the signal sequence into account, as shown in the Uniprot FASTA notation.

Sequence	Mods	Protein	Found previously?	position	Peak volume (intensity)					
					1	2	3	4	5	6
AAPAGAAIQSR		sp P81265 PIGR_BOVIN		576-586	1.41E+06	1.39E+06	2.14E+06	2.03E+06	2.21E+06	3.89E+06
AAPAGAAIQSRAGEIQNK		sp P81265 PIGR_BOVIN		576-593	1.96E+06	1.16E+06	2.34E+06	3.00E+06	2.14E+06	2.11E+06
AGEIQNKALLDPSFFAKESVKDAA GGPGAPADPGRPTGYSGSSKA		sp P81265 PIGR_BOVIN		587-631	3.44E+06	3.67E+06	1.89E+06	4.07E+06	4.65E+06	3.62E+06
AIRNGQVWEESLK		sp P80025 PERL_BOVIN		84-96	4.45E+05	7.63E+04	1.49E+05	1.83E+05	4.30E+05	1.37E+06
ALPIIQKLEPQIA		sp Q9TUM6 PLIN2_BOVIN		65-77	1.65E+05	1.66E+05	1.34E+05	1.31E+05	1.88E+05	2.46E+05
APAGAAIQS		sp P81265 PIGR_BOVIN		577-585	7.55E+04	3.15E+05	2.42E+05	3.74E+05	2.57E+05	5.07E+05
APAGAAIQSRAGEIQ		sp P81265 PIGR_BOVIN		577-591	9.89E+04	1.00E+00	8.01E+04	3.24E+05	4.48E+04	1.00E+00
APFPEVFG		sp P02662 CASA1_BOVIN		41-48	2.99E+06	2.28E+06	1.71E+06	8.75E+05	1.00E+00	5.13E+06
APFPEVFGKE		sp P02662 CASA1_BOVIN		41-50	5.53E+05	6.87E+05	4.70E+05	2.57E+05	2.01E+06	6.60E+05
APFPEVFGKEK		sp P02662 CASA1_BOVIN		41-51	7.20E+05	6.38E+05	5.23E+05	3.51E+05	1.38E+06	2.49E+06
APSFSDIPNPIGSENSEKTTMPLW	1O	sp P02662 CASA1_BOVIN		191-214	1.72E+06	5.40E+05	6.28E+05	8.80E+05	1.01E+06	1.35E+06
ASADESLALGKPGKEPR		sp Q9MZ06 FGFP1_BOVIN		35-51	6.09E+05	2.12E+05	2.98E+05	3.49E+05	8.16E+05	1.27E+06
ASVAVEPQLSVVTR	1A	sp Q9TUM6 PLIN2_BOVIN		2-15	3.99E+05	1.00E+00	5.07E+05	6.51E+05	1.27E+06	3.99E+05
ASVAVEPQLSVVTRVANLPLVS	1A	sp Q9TUM6 PLIN2_BOVIN		2-23	1.00E+00	1.00E+00	6.08E+04	1.00E+00	1.80E+05	1.00E+00
EKVNELSKDIGSESTEDQAMEDIK	2P	sp P02662 CASA1_BOVIN		50-73	2.13E+06	1.75E+06	1.45E+06	1.42E+06	1.95E+06	4.52E+06
EPVLGPVRGPFPI		sp P02666 CASB_BOVIN		210-222	1.14E+05	5.70E+05	1.67E+05	1.00E+00	1.00E+00	3.67E+05
EPVLGPVRGPFPII		sp P02666 CASB_BOVIN		210-223	6.37E+05	2.19E+06	7.35E+05	1.00E+00	1.20E+06	7.66E+05
EPVLGPVRGPFPIIV		sp P02666 CASB_BOVIN	(1)	210-224	2.32E+06	4.38E+06	3.09E+06	2.45E+06	2.67E+06	2.58E+06
FAKESVKDAAGGPGAPADPGRPTG YSGSSKA		sp P81265 PIGR_BOVIN		601-631	1.71E+06	2.51E+06	3.79E+06	4.25E+06	3.91E+06	2.37E+06
FFAKESVKDAAGGPGAPADPGRPT GYSGSSKA		sp P81265 PIGR_BOVIN		600-631	1.55E+06	2.31E+06	3.06E+06	3.77E+06	3.60E+06	1.59E+06
FFVAPFPEVFGK		sp P02662 CASA1_BOVIN		38-49	3.49E+05	3.38E+05	6.07E+05	4.81E+05	4.95E+05	1.03E+06
FFVAPFPEVFGKEK		sp P02662 CASA1_BOVIN		38-51	2.80E+05	3.02E+05	6.03E+05	5.15E+05	3.09E+05	3.38E+05
FFVAPFPEVFGKEKYNE		sp P02662 CASA1_BOVIN		38-54	6.99E+04	1.47E+05	3.92E+05	2.49E+05	1.62E+05	1.00E+00
FQSEEQQQTEDELQDK	1P	sp P02666 CASB_BOVIN	(2)	48-63	2.32E+06	1.55E+06	3.54E+06	3.04E+06	2.03E+06	4.43E+06
FQSEEQQQTEDELQDK		sp P02666 CASB_BOVIN		48-63	5.86E+05	7.99E+05	2.94E+06	3.64E+06	1.22E+06	8.27E+05
FVAPFPEVF		sp P02662 CASA1_BOVIN		39-47	8.02E+04	6.31E+04	3.28E+05	1.27E+06	2.43E+05	1.74E+05
FVAPFPEVFGK		sp P02662 CASA1_BOVIN		39-49	9.63E+05	2.88E+04	1.21E+06	1.15E+06	5.50E+04	2.92E+05
GLPQEVLNEN		sp P02662 CASA1_BOVIN		25-34	5.95E+05	1.17E+06	9.62E+06	3.29E+06	2.66E+06	6.79E+05

GLPQEVLENENLL		sp P02662 CASA1_BOVIN		25-36	7.19E+05	3.18E+06	3.05E+06	1.39E+06	1.56E+06	8.26E+05
GLPQEVLENENLLR		sp P02662 CASA1_BOVIN		25-37	6.42E+05	9.95E+05	4.26E+06	2.67E+06	1.00E+00	1.00E+00
GPIVLNPWDQVK		sp P02663 CASA2_BOVIN		117-128	1.30E+05	8.13E+04	1.82E+05	1.70E+05	2.11E+05	1.01E+05
GSKASADESLALGKPGKEPR		sp Q9MZ06 FGFP1_BOVIN	(1)	32-51	3.30E+06	2.35E+06	1.00E+00	3.37E+06	6.90E+06	9.25E+06
GSKASADESLALGKPGKEPR	1P	sp Q9MZ06 FGFP1_BOVIN		32-51	3.21E+05	1.21E+05	3.55E+06	1.00E+00	6.30E+04	4.65E+05
HIQKEDVPSE		sp P02662 CASA1_BOVIN		95-104	4.57E+05	2.92E+05	1.40E+06	3.67E+06	1.13E+06	2.39E+06
HIQKEDVPSE		sp P02662 CASA1_BOVIN		95-105	7.29E+05	3.29E+05	1.11E+06	1.27E+06	1.61E+06	3.83E+06
HIQKEDVPSERY		sp P02662 CASA1_BOVIN		95-106	7.44E+05	4.80E+05	6.92E+06	5.58E+06	1.45E+06	2.65E+05
HIQKEDVPSERYLG		sp P02662 CASA1_BOVIN		95-108	4.68E+05	3.38E+05	2.76E+06	3.67E+06	1.08E+06	4.68E+05
HIQKEDVPSERYLGYLEQLLR		sp P02662 CASA1_BOVIN		95-115	2.35E+05	6.22E+05	1.84E+06	1.04E+06	3.65E+05	1.86E+06
HIQKEDVPSERYLGYLEQLLR		sp P02662 CASA1_BOVIN		95-117	2.76E+04	1.04E+06	4.83E+06	1.00E+00	6.22E+05	1.94E+06
HKEMPFKYPVEPFTESQSL		sp P02666 CASB_BOVIN	(2)	121-140	1.00E+00	4.31E+06	3.83E+06	1.00E+00	1.40E+06	3.05E+05
HPIKHQGLPQEVLENENLL		sp P02662 CASA1_BOVIN		19-36	5.08E+06	1.28E+06	5.11E+05	1.35E+06	1.04E+07	1.00E+00
HPIKHQGLPQEVLENENLLR		sp P02662 CASA1_BOVIN		19-37	2.12E+06	1.41E+06	1.76E+06	1.82E+06	1.68E+06	5.15E+06
HQGLPQEVLENENLLR		sp P02662 CASA1_BOVIN		23-37	4.27E+05	9.44E+05	1.00E+06	1.24E+05	2.28E+05	8.28E+05
IEKFQSEEQQTEDELQDK	1P	sp P02666 CASB_BOVIN		45-63	4.83E+06	3.25E+06	5.99E+06	6.27E+06	5.68E+06	9.52E+06
IEKFQSEEQQTEDELQDK		sp P02666 CASB_BOVIN		45-63	4.79E+05	5.13E+05	1.20E+06	1.82E+06	8.83E+05	4.27E+05
ILNKPEDETHLEAQPTDASA		sp P80195 GLCM1_BOVIN		19-38	3.38E+05	1.40E+06	2.13E+06	9.88E+05	1.05E+06	1.37E+06
ILNKPEDETHLEAQPTDASAQF		sp P80195 GLCM1_BOVIN		19-40	5.72E+06	5.39E+05	5.53E+06	1.00E+00	9.33E+05	1.52E+07
ILNKPEDETHLEAQPTDASAQFIR		sp P80195 GLCM1_BOVIN		19-42	2.62E+07	4.09E+07	2.49E+07	2.44E+07	4.41E+07	5.40E+07
ILNKPEDETHLEAQPTDASAQFIRN		sp P80195 GLCM1_BOVIN		19-43	5.29E+05	1.00E+00	6.69E+05	5.92E+05	7.42E+05	8.46E+05
INKKIEKFQSEEQQTEDELQDK	1P	sp P02666 CASB_BOVIN		41-63	1.40E+06	1.70E+06	2.19E+06	2.35E+06	1.97E+06	2.85E+06
IQKEDVPSE		sp P02662 CASA1_BOVIN		96-104	9.57E+05	6.64E+05	2.10E+06	2.60E+06	5.81E+05	8.63E+05
IQKEDVPSE		sp P02662 CASA1_BOVIN		96-105	5.04E+05	2.99E+05	3.90E+05	1.15E+05	2.33E+05	5.09E+05
ISHELDSASSEVN		sp P31096 OSTP_BOVIN		266-278	8.45E+04	1.32E+05	1.31E+05	2.29E+05	1.14E+05	1.00E+00
IVPNSAEER		sp P02662 CASA1_BOVIN		126-134	1.00E+00	3.06E+04	2.02E+05	7.71E+04	1.66E+05	2.06E+05
KFQSEEQQTEDELQDK	1P	sp P02666 CASB_BOVIN	(2)	47-63	5.39E+05	3.27E+05	1.55E+06	7.47E+05	9.04E+05	8.10E+05
KFQSEEQQTEDELQDK		sp P02666 CASB_BOVIN		47-63	5.93E+04	8.04E+04	4.11E+05	3.87E+05	2.53E+05	3.80E+04
KHPIKHQGLPQEVLENENLL		sp P02662 CASA1_BOVIN		18-36	4.14E+05	1.13E+06	1.51E+06	1.13E+06	1.31E+06	1.31E+06
KIEKFQSEEQQTEDELQDK	1P	sp P02666 CASB_BOVIN		44-63	4.85E+07	3.89E+07	7.60E+07	7.15E+07	5.47E+07	7.05E+07
KIEKFQSEEQQTEDELQDK		sp P02666 CASB_BOVIN		44-63	4.63E+06	6.14E+06	1.44E+07	1.93E+07	7.97E+06	3.32E+06
KNTMEHVSSEESIISQETYK	1O 3P	sp P02663 CASA2_BOVIN		16-36	1.43E+06	1.18E+06	1.70E+06	3.83E+06	4.02E+06	1.07E+06
KNTMEHVSSEESIISQETYKQEK	1O 1P	sp P02663 CASA2_BOVIN		16-39	1.29E+06	7.81E+05	1.91E+06	7.31E+06	4.25E+06	1.00E+00
KNTMEHVSSEESIISQETYKQEK	1P	sp P02663 CASA2_BOVIN		16-39	1.54E+06	3.81E+06	5.61E+06	1.06E+07	4.46E+06	3.42E+05
KNTMEHVSSEESIISQETYKQEK		sp P02663 CASA2_BOVIN		16-39	5.05E+05	1.12E+06	1.76E+06	3.93E+06	1.23E+06	3.77E+05
KTVDMESTE		sp P02663 CASA2_BOVIN		152-160	1.00E+00	1.00E+00	2.61E+05	2.36E+05	8.84E+04	1.00E+00
KTVDMESTE	1O 1P	sp P02663 CASA2_BOVIN		152-164	3.88E+06	1.56E+06	3.74E+06	4.41E+06	4.74E+06	4.47E+06
KTVDMESTE	1P	sp P02663 CASA2_BOVIN		152-164	5.02E+06	6.67E+06	1.05E+07	5.65E+06	5.23E+06	4.86E+06
KTVDMESTE		sp P02663 CASA2_BOVIN		152-165	1.30E+05	1.59E+05	4.98E+05	6.90E+05	3.58E+05	8.52E+04
KVIPYVRYL		sp P02663 CASA2_BOVIN		214-222	5.42E+05	5.18E+05	7.59E+05	6.65E+05	5.28E+05	1.12E+06
KVPQLEIVPNSAEER	1P	sp P02662 CASA1_BOVIN		120-134	1.53E+06	2.01E+06	9.31E+05	1.71E+05	5.17E+05	5.64E+05

KVPQLEIVPNSAEERLHSM	1O 1P	sp P02662 CASA1_BOVIN		120-138	3.41E+06	3.83E+06	8.48E+06	1.72E+07	4.36E+05	2.15E+06
KYKVPQLEIVPNSAEER	1P	sp P02662 CASA1_BOVIN		118-134	1.84E+06	1.41E+06	2.49E+06	1.56E+06	2.02E+06	3.54E+06
KYKVPQLEIVPNSAEER		sp P02662 CASA1_BOVIN		118-134	5.71E+05	5.28E+05	1.00E+06	1.55E+05	1.02E+06	4.85E+05
KYKVPQLEIVPNSAEERLHSM	1O 1P	sp P02662 CASA1_BOVIN		118-138	1.09E+07	1.00E+00	8.57E+04	1.00E+00	1.41E+05	5.95E+05
KYKVPQLEIVPNSAEERLHSMK	1P	sp P02662 CASA1_BOVIN		118-139	4.71E+06	5.49E+06	1.13E+07	7.47E+06	4.02E+06	7.96E+06
LGYLEQLLR		sp P02662 CASA1_BOVIN		107-115	1.75E+05	7.28E+04	1.40E+05	6.86E+04	1.81E+05	6.79E+05
LKKYKVPQLEIVPNSAEERLHSMK	1O 1P	sp P02662 CASA1_BOVIN		116-139	2.41E+06	6.61E+05	1.44E+06	2.85E+06	1.87E+06	3.63E+06
LPLSILKEK		sp P80195 GLCM1_BOVIN		83-91	1.30E+05	1.70E+05	1.48E+06	1.12E+05	1.50E+05	7.21E+05
LPQEVLNEN		sp P02662 CASA1_BOVIN		26-34	2.71E+05	4.03E+05	1.14E+06	5.32E+05	7.02E+05	3.48E+05
LPQEVLNENLL		sp P02662 CASA1_BOVIN		26-36	9.33E+05	2.05E+06	1.99E+06	1.39E+06	1.31E+06	8.04E+05
LPQEVLNENLLRF		sp P02662 CASA1_BOVIN		26-38	1.83E+05	2.68E+05	8.13E+05	4.15E+05	4.23E+05	2.91E+05
LSSSTQASIEIDSLYEGVDFYTSITR AR	2P	tr A7E3Q2 A7E3Q2_BOVIN		277-304	1.26E+05	1.20E+06	5.39E+05	1.00E+00	1.00E+00	1.00E+00
NAVPIPT		sp P02663 CASA2_BOVIN		130-137	7.70E+04	1.20E+06	2.67E+06	8.46E+05	6.28E+05	1.28E+05
NGQVWEESLK		sp P80025 PERL_BOVIN		87-96	2.72E+05	1.00E+00	1.91E+05	1.00E+00	1.89E+05	5.48E+05
NPIGSENSEKTT		sp P02662 CASA1_BOVIN		199-210	3.35E+04	4.58E+05	7.53E+04	1.00E+00	6.33E+04	8.33E+05
NRRGSKASADESLALGKPGKEPR		sp Q9MZ06 FGFP1_BOVIN		29-51	2.69E+05	1.32E+06	2.23E+05	5.69E+04	4.08E+05	3.06E+05
PIGSENSEKTTMP	1O	sp P02662 CASA1_BOVIN		200-212	1.64E+05	5.99E+04	1.95E+05	1.97E+05	6.41E+05	3.22E+05
PIGSENSEKTTMP		sp P02662 CASA1_BOVIN		200-212	1.66E+05	2.72E+05	4.80E+05	2.03E+05	5.42E+05	2.55E+05
PPPPPPPP		tr FIN2B6 FIN2B6_BOVIN		356-363	1.00E+00	9.94E+04	3.15E+05	1.80E+05	3.13E+05	2.79E+05
PVLGPVRGPFPIIV		sp P02666 CASB_BOVIN		211-224	7.24E+04	1.00E+00	9.30E+04	9.72E+04	9.08E+04	1.56E+05
QEQNQEPIR	1PyrQ	sp P02668 CASK_BOVIN		22-31	4.45E+05	3.25E+05	4.50E+04	3.66E+04	7.00E+05	7.38E+05
QEQNQEPIRCEK	1PyrQ	sp P02668 CASK_BOVIN		22-34	1.40E+05	7.52E+05	2.09E+06	4.29E+05	4.41E+05	1.24E+05
QEQNQEPIRCEKDER	1PyrQ	sp P02668 CASK_BOVIN		22-37	4.39E+05	4.13E+06	1.06E+07	6.64E+05	1.35E+06	4.31E+05
QEQNQEPIRCEKDERFFSDK	1PyrQ	sp P02668 CASK_BOVIN		22-42	4.25E+05	3.56E+06	7.36E+06	8.12E+05	8.12E+05	1.00E+00
QEVLNENLLR		sp P02662 CASA1_BOVIN		28-37	1.65E+05	1.51E+05	4.53E+05	1.00E+00	1.82E+05	1.58E+05
QKEDVPSEK	1PyrQ	sp P02662 CASA1_BOVIN		97-105	2.78E+05	1.96E+05	2.33E+05	1.35E+05	2.97E+05	4.83E+05
QKEDVPSEK	1PyrQ	sp P02662 CASA1_BOVIN		97-106	4.44E+05	6.59E+05	3.84E+06	3.92E+06	7.31E+05	1.34E+06
QLEIVPNSAEER	1P	sp P02662 CASA1_BOVIN		123-134	4.84E+05	2.22E+05	9.14E+05	4.54E+05	2.77E+05	5.95E+05
QLEIVPNSAEERLHSM	1P 1PyrQ	sp P02662 CASA1_BOVIN		123-138	3.30E+05	5.53E+05	1.10E+06	6.73E+05	4.14E+05	2.99E+05
QPQSQNPKLPLSIL	1PyrQ	sp P80195 GLCM1_BOVIN		75-88	1.97E+05	2.13E+05	6.50E+05	1.88E+06	4.08E+05	4.80E+05
QPQSQNPKLPLSILKEKHL	1PyrQ	sp P80195 GLCM1_BOVIN		75-93	2.82E+06	2.69E+06	1.00E+00	1.00E+00	1.35E+05	1.00E+00
QPVIVKAKFFS	1D	tr Q58DM9 Q58DM9_BOVIN		83-93	5.11E+06	4.88E+06	5.80E+06	1.00E+00	7.79E+06	4.84E+06
RELEELNVPGEIVESL	1P	sp P02666 CASB_BOVIN		16-31	1.95E+05	4.52E+05	2.47E+05	5.60E+05	7.69E+05	7.61E+05
RELEELNVPGEIVESLSSEESITR		sp P02666 CASB_BOVIN	(I)	16-40	8.54E+04	2.69E+05	2.72E+05	1.00E+00	2.49E+05	1.00E+00
RELEELNVPGEIVESLSSEESITR	1P	sp P02666 CASB_BOVIN		16-40	1.00E+00	3.65E+05	4.69E+05	1.16E+05	8.73E+04	1.00E+00
RELEELNVPGEIVESLSSEESITR	2P	sp P02666 CASB_BOVIN		16-40	1.00E+00	1.62E+05	1.06E+06	4.83E+05	6.05E+05	1.25E+05
RELEELNVPGEIVESLSSEESITR	3P	sp P02666 CASB_BOVIN		16-40	1.00E+00	1.46E+06	1.42E+06	1.06E+06	4.68E+05	3.65E+04
RELEELNVPGEIVESLSSEESITRIN		sp P02666 CASB_BOVIN		16-42	1.00E+00	2.16E+05	1.14E+05	3.48E+05	4.26E+05	1.00E+00
RELEELNVPGEIVESLSSEESITRIN K	2P	sp P02666 CASB_BOVIN		16-43	3.85E+05	4.05E+06	3.54E+06	2.17E+06	7.43E+05	2.62E+05
RELEELNVPGEIVESLSSEESITRIN	3P	sp P02666 CASB_BOVIN		16-43	2.10E+06	1.53E+07	1.40E+07	9.23E+06	5.17E+06	1.59E+06

K										
RGSKASADESLALGKPGKEPR		sp Q9MZ06 FGFP1_BOVIN	(I)	31-51	1.71E+06	1.43E+06	1.89E+06	1.41E+06	3.10E+06	2.84E+06
RISHIELDSASSEVN		sp P31096 OSTP_BOVIN		265-278	7.89E+04	1.19E+05	2.56E+05	8.03E+05	4.31E+05	5.32E+04
RKPGAKDSVLAASEGAQAAGGSA Q	1P	tr F1N4A2 F1N4A2_BOVIN		71-94	4.07E+05	1.00E+00	1.00E+00	7.87E+05	1.35E+06	9.86E+05
RPKHPIKHQGLPQEVNLNEN		sp P02662 CASA1_BOVIN		16-34	1.25E+07	6.80E+06	6.97E+06	9.06E+06	1.49E+07	1.32E+07
RPKHPIKHQGLPQEVNLNENL		sp P02662 CASA1_BOVIN		16-35	5.92E+06	3.89E+06	2.79E+06	3.92E+06	7.54E+06	4.34E+06
RPKHPIKHQGLPQEVNLNENLL		sp P02662 CASA1_BOVIN		16-36	3.57E+07	5.79E+07	4.65E+07	3.26E+07	5.25E+07	4.09E+07
RPKHPIKHQGLPQEVNLNENLLR	1D	sp P02662 CASA1_BOVIN		16-37	7.73E+05	1.23E+06	1.13E+06	1.03E+06	4.97E+05	2.31E+06
RPKHPIKHQGLPQEVNLNENLLR		sp P02662 CASA1_BOVIN		16-37	9.20E+07	8.05E+07	7.44E+07	8.68E+07	8.01E+07	1.32E+08
RPKHPIKHQGLPQEVNLNENLLRF		sp P02662 CASA1_BOVIN		16-38	7.65E+06	6.64E+05	1.09E+07	1.00E+00	6.68E+04	1.64E+07
SEEQQQTEDELQDK		sp P02666 CASB_BOVIN		50-63	4.07E+04	4.01E+04	3.31E+05	2.28E+05	2.19E+05	3.80E+04
SHAFEVVK		sp P80195 GLCM1_BOVIN		145-153	6.94E+04	3.35E+04	1.00E+00	1.30E+05	8.23E+04	3.02E+05
SPEVIESPPEINTVQVTSTAV	1P	sp P02668 CASK_BOVIN		170-190	5.96E+06	2.03E+06	1.61E+06	4.95E+06	7.76E+06	7.29E+06
SRQPQSQNPKLPLS		sp P80195 GLCM1_BOVIN		73-86	4.03E+05	5.32E+05	9.63E+05	1.40E+06	9.97E+05	5.44E+05
SSRQPQSQNPKLPLS		sp P80195 GLCM1_BOVIN		72-86	5.89E+05	7.78E+05	3.35E+05	5.68E+05	2.67E+05	1.27E+06
SSRQPQSQNPKLPLSILK		sp P80195 GLCM1_BOVIN		72-89	1.11E+07	5.14E+06	3.12E+06	4.65E+06	6.81E+06	2.69E+07
SSRQPQSQNPKLPLSILKE		sp P80195 GLCM1_BOVIN		72-90	1.29E+06	3.57E+05	8.69E+05	3.99E+05	2.18E+06	1.55E+06
SSRQPQSQNPKLPLSILKEK		sp P80195 GLCM1_BOVIN	(I)	72-91	8.62E+06	8.72E+06	7.86E+06	1.05E+07	1.20E+07	1.34E+07
SSRQPQSQNPKLPLSILKEKHL		sp P80195 GLCM1_BOVIN	(I)	72-93	1.00E+08	1.35E+08	4.94E+07	7.63E+07	1.03E+08	9.19E+07
SSRQPQSQNPKLPLSILKEKHLR		sp P80195 GLCM1_BOVIN		72-94	6.53E+06	5.99E+06	3.58E+06	6.22E+06	6.13E+06	8.11E+06
TAIRNGQVWEESLK		sp P80025 PERL_BOVIN		83-96	1.04E+06	1.71E+05	3.37E+05	2.26E+05	5.73E+05	1.40E+06
TEDELQDKI		sp P02666 CASB_BOVIN		56-64	1.00E+00	6.00E+04	1.26E+05	1.90E+05	4.69E+05	3.16E+05
THRGEFSPMSERNPDEEGLFTVR	1O	sp P18892 BT1A1_BOVIN		179-203	3.67E+06	1.09E+06	2.33E+06	2.36E+06	4.63E+06	1.04E+07
THRGEFSPMSERNPDEEGLFTVR		sp P18892 BT1A1_BOVIN		179-203	2.63E+06	4.45E+06	4.93E+06	4.28E+06	3.96E+06	8.03E+06
TKVIPYVRYL		sp P02663 CASA2_BOVIN		213-222	3.05E+06	2.81E+06	1.00E+00	3.05E+06	3.91E+06	9.65E+06
TVDMESTEVEFTK	1O	sp P02663 CASA2_BOVIN		153-164	5.43E+05	3.11E+05	3.70E+05	1.31E+06	1.29E+06	3.89E+05
TVDMESTEVEFTK	1O 1P	sp P02663 CASA2_BOVIN		153-164	1.80E+06	7.71E+05	1.37E+06	1.41E+06	1.69E+06	2.09E+06
TVDMESTEVEFTK	1P	sp P02663 CASA2_BOVIN		153-164	1.98E+06	2.20E+06	3.38E+06	1.55E+06	1.57E+06	1.74E+06
TVDMESTEVEFTK		sp P02663 CASA2_BOVIN		153-164	7.86E+05	1.24E+06	2.95E+04	1.57E+06	1.39E+06	4.28E+05
TVDMESTEVEFTKK	1O	sp P02663 CASA2_BOVIN		153-165	1.14E+06	4.89E+05	1.69E+06	3.62E+06	2.26E+06	6.09E+05
TVDMESTEVEFTKK		sp P02663 CASA2_BOVIN		153-165	1.35E+06	2.07E+06	4.66E+06	3.78E+06	1.87E+06	5.19E+05
TVQVTSTAV		sp P02668 CASK_BOVIN		182-190	4.09E+05	2.08E+05	2.88E+05	4.45E+05	5.44E+05	6.80E+05
VAPFPEVFGKEKVNE		sp P02662 CASA1_BOVIN		40-54	5.49E+05	6.64E+05	1.70E+06	6.94E+05	8.06E+05	3.71E+05
VDMESTEVEFTK	1O	sp P02663 CASA2_BOVIN		154-164	1.36E+05	1.00E+00	5.95E+06	1.00E+00	2.11E+05	1.00E+00
VIPYVRYL		sp P02663 CASA2_BOVIN		215-222	1.75E+06	1.87E+06	3.81E+06	2.90E+06	2.72E+06	3.23E+06
VPPFLQPEVM		sp P02666 CASB_BOVIN		99-108	1.00E+00	5.13E+05	2.12E+05	1.00E+00	1.00E+00	1.00E+00
VPPFLQPEVMGV		sp P02666 CASB_BOVIN		99-110	1.00E+00	7.88E+05	2.79E+05	9.38E+05	1.00E+00	1.00E+00
VPQLEIVPNSAEER	1P	sp P02662 CASA1_BOVIN		121-134	2.96E+06	2.01E+06	3.18E+06	2.44E+06	2.21E+06	4.44E+06
VPQLEIVPNSAEER		sp P02662 CASA1_BOVIN		121-134	6.65E+05	8.06E+05	1.24E+06	1.51E+06	1.13E+06	5.69E+05
VPQLEIVPNSAEERLHSM	1O 1P	sp P02662 CASA1_BOVIN		121-138	5.72E+06	3.27E+06	4.43E+06	8.21E+06	5.50E+06	1.04E+07
VPQLEIVPNSAEERLHSM	1P	sp P02662 CASA1_BOVIN		121-138	3.56E+06	7.12E+06	7.90E+06	4.45E+06	2.84E+06	2.82E+05

VPQLEIVPNSAEERLHSMK	1O 1P	sp P02662 CASA1_BOVIN		121-139	1.32E+07	1.27E+06	1.34E+06	8.92E+05	9.79E+05	1.27E+07
VPYPQRDMP	1O	sp P02666 CASB_BOVIN		193-201	7.21E+04	4.02E+04	3.66E+05	2.45E+05	5.64E+05	5.30E+05
VPYPQRDMPIQA		sp P02666 CASB_BOVIN		193-204	4.51E+05	9.06E+05	1.41E+06	9.74E+05	8.70E+05	5.53E+05
YKVPQLEIVPNSAEER	1P	sp P02662 CASA1_BOVIN		119-134	1.63E+06	1.22E+06	2.61E+06	2.49E+06	2.09E+06	4.14E+06
YKVPQLEIVPNSAEERLHSM	1O	sp P02662 CASA1_BOVIN		119-138	4.71E+05	2.50E+05	6.14E+05	3.64E+06	1.74E+06	5.60E+05
YKVPQLEIVPNSAEERLHSM	1O 1P	sp P02662 CASA1_BOVIN		119-138	5.51E+06	2.22E+06	7.88E+06	9.15E+06	7.93E+06	1.19E+07
YKVPQLEIVPNSAEERLHSM	1P	sp P02662 CASA1_BOVIN		119-138	2.19E+06	3.85E+06	8.71E+06	1.36E+07	4.75E+06	5.41E+06
YKVPQLEIVPNSAEERLHSMK	1P	sp P02662 CASA1_BOVIN		119-139	3.45E+06	5.01E+06	1.58E+07	3.33E+06	2.52E+06	6.39E+06
YLEQLRL		sp P02662 CASA1_BOVIN		109-116	1.00E+00	1.00E+00	4.35E+04	1.40E+05	2.21E+05	2.06E+05
YYVPLGTQYTDAPSFSDIPNPIGSE NSEKTTMP	1O	sp P02662 CASA1_BOVIN		180-212	3.34E+05	3.85E+04	4.20E+05	7.28E+04	3.56E+05	2.00E+05

Supplemental Table 1 References

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