

Table 1s. Identified proteins along with modifications

Δ m/z [ppm]	Meta Score	Range	Sequence	Modifications	Accession	Protein
-28.15	43.0	1256 - 1265	R.TLEDQVNELK.S		gi 261245063	myosin heavy chain IIa [Bos taurus]
6.52	27.5	11 - 32	R.AIQANINIPMGAFRPGAGQPPR.R		gi 83035111	small muscle protein, X-linked [Bos taurus]
11.19	55.6	29 - 44	K.KLSVPQDLMMEELSLR.N		gi 296485174	myozenin 3 [Bos taurus]
-9.92	29.0	359 - 365	K.LMVEMEK.K		gi 60097925	muscle creatine kinase [Bos taurus]
-41.64	46.8	53 - 63	K.DSYVGDEAQSK.R		gi 4885049	cardiac muscle alpha actin 1 proprotein [Homo sapiens]
-14.73	27.3	56 - 63	K.VDFDDIQK.K		gi 21039002	troponin T fast skeletal muscle type [Bos taurus]
16.97	84.7	42 - 63	R.HQGVMMVGMGQKDSYVGDEAQS K.R		gi 27819614	actin, alpha 1, skeletal muscle [Bos taurus]
-24.21	81.7	1066 - 1083	R.GETGPAGPAGPIGPVGAR.G		gi 77404252	collagen, type I, alpha 1 [Bos taurus]
-13.42	43.4	455 - 467	R.DGEVVSEATQQQH.E		gi 126158909	desmin [Bos taurus]
-3.87	48.5	6313 - 6324	K.GTPTPVTPEMQR.V		gi 119887683	PREDICTED: nebulin [Bos taurus]
-9.78	29.6	650 - 657	K.YQLDTLLK.N		gi 119887683	PREDICTED: nebulin [Bos taurus]
-29.08	31.7	198 - 207	R.GYSFVTTAER.E		gi 4501889	actin, gamma 2 propeptide [Homo sapiens]
8.53	66.9	190 - 205	K.CGDLEELKIVTNNLK.S	Deamidated: 13; Propionamide :	gi 11875203	tropomyosin 2, beta [Mus musculus]
-36.30	91.5	930 - 943	R.AEDEEEINAELTAK.K		gi 119911910	PREDICTED: myosin, heavy

						chain 4, skeletal muscle [Bos taurus]
16.85	49.0	1680 - 1692	R.RANLLQAEIEELR.A		gi 76643943	PREDICTED: myosin, heavy chain 8, skeletal muscle, perinatal isoform 2 [Bos taurus]
12.77	68.3	59 - 74	K.DLMELQALIDSHFEAR.K		gi 47824864	troponin T3, skeletal, fast [Bos taurus]
-14.53	61.3	37 - 45	K.QSSITIQPR.Q		gi 296485311	myotilin [Bos taurus]
-26.19	68.8	1180 - 1196	R.DLEEATLQHEATAAALR.K		gi 297486816	PREDICTED: myosin, heavy chain 4, skeletal muscle [Bos taurus]
8.59	45.0	748 - 760	K.LLASIDIDHTQYK.F		gi 297486814	PREDICTED: myosin, heavy chain 8, skeletal muscle, perinatal [Bos taurus]
15.33	81.7	65 - 79	K.HGNTVLTALGGILKK.K		gi 27806939	myoglobin [Bos taurus]
-12.63	70.2	847 - 863	K.SAETEKEMATMKKEEFQK.T		gi 261245063	myosin heavy chain IIa [Bos taurus]
-0.39	26.4	371 - 386	K.QREEQAEPDGTADVADK.A		gi 297486816	PREDICTED: myosin, heavy chain 4, skeletal muscle [Bos taurus]
-19.54	26.4	713 - 719	R.ILYGDFR.Q		gi 296483595	myosin-7 [Bos taurus]
6.59	97.7	191 - 206	K.TPMPFGGPLVGETLPR.A		gi 118151164	myozenin-3 [Bos taurus]
-13.87	83.7	1200 - 1213	D.SVAELGEQIDNLQR.V		gi 297459506	PREDICTED: myosin, heavy polypeptide 6, cardiac muscle, alpha-like [Bos taurus]
15.87	40.1	91 - 104	K.KVLGNPSNEEMNAK.K	Deamidated: 5	gi 118601750	fast skeletal myosin alkali light chain 1 [Bos

						taurus]
15.77	56.7	1904 - 1926	K.LQHELEEAERADIAESQVNKLR.V		gi 261245063	myosin heavy chain IIa [Bos taurus]
11.65	51.1	1795 - 1809	K.DLQHRLDEAEQLALK.G		gi 297486814	PREDICTED: myosin, heavy chain 8, skeletal muscle, perinatal [Bos taurus]
-249.36	41.5	25 - 35	R.IEAQNKPFDAK.T		gi 3721586	type 2a myosin heavy chain [Bos taurus]
21.69	50.6	76 - 88	R.ASEFALSSAASHK.A		gi 300795118	myomesin-1 [Bos taurus]
-18.75	41.3	1479 - 1486	R.SLSTELFK.V		gi 76643943	PREDICTED: myosin, heavy chain 8, skeletal muscle, perinatal isoform 2 [Bos taurus]
-46.03	65.9	318 - 328	K.EITALAPSTMK.I		gi 4885049	cardiac muscle alpha actin 1 proprotein [Homo sapiens]
23.03	39.5	1683 - 1702	R.ANLLQAEIEELRATLEQTER.S	Deamidated: 2	gi 261245063	myosin heavy chain IIa [Bos taurus]
-11.27	56.9	208 - 220	K.IYVDDGLISLLVK.Q		gi 73587283	PKM2 protein [Bos taurus]
43.55	62.8	675 - 697	R.CIIPNETKTPGAMEHELVLHQLR.C	Propionamide : 1	gi 297486816	PREDICTED: myosin, heavy chain 4, skeletal muscle [Bos taurus]
-14.06	59.2	34 - 41	F.PSIVGRPR.H		gi 61553131	alpha 2 actin [Bos taurus]
19.27	37.7	1899 - 1921	K.VQHELDEAEERADIAESQVNKLR.A		gi 41386711	myosin, heavy chain 7, cardiac muscle, beta [Bos taurus]
7.85	93.3	646 - 657	K.GSSFQTVSALFR.E		gi 261245063	myosin heavy chain IIa [Bos taurus]
-15.11	64.6	59 - 70	R.TSGGAGGLGALR.A		gi 2959456	desmin [Bos taurus]
15.81	46.5	61 - 75	K.IPEGEKVDFDDIQKK.R		gi 75054140	RecName: Full=Troponin T,

						fast skeletal muscle; Short=TnTf
-4.75	97.9	1200 - 1216	K.HADSVaelGEQIDNLQR.V		gi 119911910	PREDICTED: myosin, heavy chain 4, skeletal muscle [Bos taurus]
-33.56	73.0	79 - 90	R.ALGTNPTNAEVK.K		gi 118601750	fast skeletal myosin alkali light chain 1 [Bos taurus]
11.15	37.2	263 - 274	K.SRSPTPPSIAAK.A		gi 297471578	PREDICTED: titin [Bos taurus]
-11.80	106.2	1145 - 1168	R.ELEEISERLEEAGGATSAQIEMNK.K		gi 76643943	PREDICTED: myosin, heavy chain 8, skeletal muscle, perinatal isoform 2 [Bos taurus]
-14.94	66.0	5983 - 5995	K.GLSEMEDTPDMLR.A		gi 119887683	PREDICTED: nebulin [Bos taurus]
-7.08	80.6	1176 - 1193	R.RDLEEATLQHEATAAALR.K		gi 41386711	myosin, heavy chain 7, cardiac muscle, beta [Bos taurus]
-10.17	110.2	1030 - 1048	K.TKLEQQVDDLEGSLEQEKK.L		gi 261245063	myosin heavy chain IIa [Bos taurus]
-10.30	61.7	898 - 909	K.EVGVSITGVAVR.E		gi 297465038	PREDICTED: titin [Bos taurus]
-1.15	74.4	315 - 328	R.MQKEITALAPSTMK.I		gi 4501881	actin, alpha 1, skeletal muscle [Homo sapiens]
-35.80	56.5	34 - 41	F.PSIVGRPR.H		gi 27819614	actin, alpha 1, skeletal muscle [Bos taurus]
-23.21	51.1	322 - 333	R.VVDLMVHMASKE.-		gi 77404273	glyceraldehyde-3-phosphate dehydrogenase [Bos taurus]
-16.88	70.6	42 - 52	R.HQGVMVGMGQK.D		gi 4501881	actin, alpha 1, skeletal muscle [Homo sapiens]
187.81	53.3	1705 - 1732	R.KIAEQELLDASERVQLLHTQNTSLI NTK.K		gi 261245063	myosin heavy chain IIa [Bos

						taurus]
-36.62	61.2	1254 - 1263	R.ALEDQLSELK.T		gi 41386691	myosin, heavy chain 1, skeletal muscle, adult [Bos taurus]
-26.84	43.5	1087 - 1096	K.EFEMSNLQSK.I		gi 297486816	PREDICTED: myosin, heavy chain 4, skeletal muscle [Bos taurus]
2.68	46.7	1028 - 1047	K.AKTKLEQQVDDLEGSLEQEK.K		gi 261245063	myosin heavy chain IIa [Bos taurus]
19.73	44.3	42 - 68	K.LRDKETPSGFTLDDVIQTGVDNPG HPF.I		gi 4838363	creatine kinase M chain [Bos taurus]
-15.51	41.6	1298 - 1306	K.DALVSQLSR.T		gi 297486814	PREDICTED: myosin, heavy chain 8, skeletal muscle, perinatal [Bos taurus]
-13.46	36.8	1477 - 1484	R.SLSTELFK.L		gi 297459506	PREDICTED: myosin, heavy polypeptide 6, cardiac muscle, alpha-like [Bos taurus]
-26.19	68.8	1177 - 1193	R.DLEEATLQHEATAAALR.K		gi 41386711	myosin, heavy chain 7, cardiac muscle, beta [Bos taurus]
-9.43	51.6	1378 - 1395	R.TKYETDAIQRTEEEAK.K		gi 261245063	myosin heavy chain IIa [Bos taurus]
-8.59	45.3	493 - 504	R.GFPGADGVAGPK.G	Oxidation: 2	gi 77404252	collagen, type I, alpha 1 [Bos taurus]
20.46	38.9	498 - 509	K.QEQVHVTHEQIR.K		gi 297471578	PREDICTED: titin [Bos taurus]
-49.87	58.8	97 - 114	R.VAPEEHPTLLTEAPLNPK.A		gi 296482731	actin, gamma-enteric smooth muscle [Bos taurus]
8.59	44.9	748 - 760	K.LLASIDIDHTQYK.F		gi 76643943	PREDICTED: myosin, heavy chain 8, skeletal muscle, perinatal isoform 2 [Bos

						taurus]
24.11	42.9	1463 - 1480	K.QKYEETHAELEAAQKEAR.S		gi 75055812	Myosin-2 (Myosin heavy chain 2) (Myosin heavy chain 2a) (MyHC-2a) (Myosin heavy chain, skeletal muscle, adult 2)
-46.03	65.9	318 - 328	K.EITALAPSTMK.I		gi 4501881	actin, alpha 1, skeletal muscle [Homo sapiens]
6.02	61.1	106 - 118	R.LATALQKLEEA EK.A		gi 58652133	tropomyosin 3 [Bos taurus]
0.63	65.9	16 - 28	R.YSALFLGMAYGAK.R		gi 28603752	ATP synthase, H+ transporting, mitochondrial F0 complex, subunit E [Bos taurus]
-25.44	47.1	171 - 186	K.STGISVPGPMGPSGPR.G		gi 77404252	collagen, type I, alpha 1 [Bos taurus]
13.27	47.1	1915 - 1926	R.ADIAESQVKNLR.V		gi 75055812	Myosin-2 (Myosin heavy chain 2) (Myosin heavy chain 2a) (MyHC-2a) (Myosin heavy chain, skeletal muscle, adult 2)
8.78	41.6	680 - 689	R.QEQIQVTHGK.V	Gln->pyro-Glu: 1	gi 297471578	PREDICTED: titin [Bos taurus]
8.36	45.0	2 - 16	M.PQNVVLPGPAPWGFR.L		gi 77736235	PDZ and LIM domain protein 3 [Bos taurus]
40.37	45.3	15 - 32	K.SVMLQJAATELEKEEGRR.E		gi 119939192	PREDICTED: similar to LOC506434 protein, partial [Bos taurus]
24.29	65.9	1903 - 1913	K.LQHELEEAER.A		gi 119911910	PREDICTED: myosin, heavy chain 4, skeletal muscle [Bos taurus]
-10.64	47.6	6411 - 6421	K.AAYVLDTPEMR.R		gi 119887683	PREDICTED: nebulin [Bos

						taurus]
-6.38	68.1	684 - 698	K.TPGAMEHELVLHQLR.C		gi 119911910	PREDICTED: myosin, heavy chain 4, skeletal muscle [Bos taurus]
2.89	47.0	27 - 38	P.RAVFPSIVGRPR.H		gi 157878210	Chain A, Structure Of Bovine Beta-Actin-Profilin Complex With Actin Bound Atp Phosphates Solvent Accessible
2.10	41.4	87 - 97	K.IWHHTFYNELR.V		gi 4885049	cardiac muscle alpha actin 1 proprotein [Homo sapiens]
-26.19	68.8	1180 - 1196	R.DLEEATLQHEATAAALR.K		gi 41386691	myosin, heavy chain 1, skeletal muscle, adult [Bos taurus]
-21.03	40.2	1269 - 1277	R.SVNDLTSQR.A		gi 41386711	myosin, heavy chain 7, cardiac muscle, beta [Bos taurus]
160.13	108.2	241 - 256	K.SYELPDGQVITIGNER.F		gi 4885049	cardiac muscle alpha actin 1 proprotein [Homo sapiens]
24.29	65.9	1904 - 1914	K.LQHELEEAER.A		gi 261245063	myosin heavy chain IIa [Bos taurus]
8.21	67.4	1001 - 1025	K.ALQEAHQQTLDLQAEEDKVNTLTK.A		gi 41386691	myosin, heavy chain 1, skeletal muscle, adult [Bos taurus]
30.53	79.2	56 - 73	K.GITWGEETLMEYLENPKK.Y		gi 82408001	Chain A, Crystal Structure Of Cytochrome C From Bovine Heart At 1.5 A Resolution.
-46.03	65.9	318 - 328	K.EITALAPSTMK.I		gi 27819614	actin, alpha 1, skeletal muscle [Bos taurus]

-23.51	74.2	230 - 255	V.STAASSSLERSYELPDGQVITIGNE R.F	Tyr->Dha: 12	gi 194676388	PREDICTED: similar to Actin, cytoplasmic 2 (Beta-actin-2) [Bos taurus]
-18.14	66.4	11 - 22	R.SYLSEEMIAEFK.A		gi 296481191	fast skeletal muscle troponin C [Bos taurus]
8.61	53.2	23 - 45	R.QTSGGPVDAGPEYQQDLDFELFK .L	Deamidated: 1; Dehydrated: 3	gi 268612219	Chain V, The Structure Of The Membrane Extrinsic Region Of Bovine Atp Synthase
-22.88	36.2	698 - 706	R.CNGVLEGIR.I	Propionamide : 1	gi 76643943	PREDICTED: myosin, heavy chain 8, skeletal muscle, perinatal isoform 2 [Bos taurus]
-48.95	44.7	1378 - 1395	R.TKYETDAIQRTEEELEAK.K		gi 75055812	Myosin-2 (Myosin heavy chain 2) (Myosin heavy chain 2a) (MyHC-2a) (Myosin heavy chain, skeletal muscle, adult 2)
-17.90	44.1	1869 - 1879	R.LQDLVDKLQAK.V		gi 261245063	myosin heavy chain IIa [Bos taurus]
-4.75	97.9	1201 - 1217	K.HADSVAEELGEQIDNLQR.V		gi 261245063	myosin heavy chain IIa [Bos taurus]
-36.67	45.0	35 - 49	K.SSAIYTHGSTAYSSR.S		gi 297489714	PREDICTED: myomesin 1, 185kDa isoform 2 [Bos taurus]
22.59	27.6	498 - 510	K.QEQVHVTHEQIRK.E	Gln->pyro-Glu: 1	gi 297471578	PREDICTED: titin [Bos taurus]
-18.43	37.6	33004 - 33011	K.ALISEEIK.T		gi 297465038	PREDICTED: titin [Bos taurus]
10.19	63.5	1580 - 1592	K.IAEKDDEIDQLKR.N		gi 119911910	PREDICTED: myosin, heavy chain 4, skeletal muscle [Bos

						taurus]
-14.36	47.9	33 - 41	V.FPSIVGRPR.H		gi 61553131	alpha 2 actin [Bos taurus]
-56.86	28.9	323 - 327	A.PSTMK.I		gi 194676388	PREDICTED: similar to Actin, cytoplasmic 2 (Beta-actin-2) [Bos taurus]
-8.14	74.9	1400 - 1413	R.LQDAEEHVEAVNAK.C		gi 76643943	PREDICTED: myosin, heavy chain 8, skeletal muscle, perinatal isoform 2 [Bos taurus]
-17.28	56.1	1231 - 1241	D.DVTSNMEQIIK.A		gi 297459506	PREDICTED: myosin, heavy polypeptide 6, cardiac muscle, alpha-like [Bos taurus]
2.82	101.9	1757 - 1771	K.KAITDAAMMAEELKK.E		gi 41386711	myosin, heavy chain 7, cardiac muscle, beta [Bos taurus]
15.81	46.4	50 - 64	K.IPEGEKVDFFDIQKK.R		gi 21039002	troponin T fast skeletal muscle type [Bos taurus]
-15.80	90.6	23 - 42	R.IVAPGKGILAADESTGSIK.R		gi 156120479	aldolase A [Bos taurus]
11.42	55.4	113 - 125	K.LEEAEEKADESER.G		gi 11875203	tropomyosin 2, beta [Mus musculus]
-46.12	96.2	194 - 207	R.VIQYFATIAVTGEK.K		gi 297486814	PREDICTED: myosin, heavy chain 8, skeletal muscle, perinatal [Bos taurus]
15.61	83.0	1000 - 1025	K.KALQEAHQQTLDLQAEEDKVNT LTK.A		gi 41386691	myosin, heavy chain 1, skeletal muscle, adult [Bos taurus]
-9.99	88.6	1402 - 1413	Q.DAEEHVEAVNAK.C		gi 297486814	PREDICTED: myosin, heavy chain 8, skeletal muscle, perinatal [Bos taurus]
2.16	80.6	136 -	R.VFDKEGNGTVMGAELR.H	Deamidated:	gi 118601750	fast skeletal

		151		7		myosin alkali light chain 1 [Bos taurus]
-121.44	92.2	1509 - 1527	K.NLQQEISDLTEQIAEGGKR.M		gi 261245063	myosin heavy chain IIa [Bos taurus]
19.47	66.2	36 - 47	K.IDLSAIKIEFSK.Q		gi 118601750	fast skeletal myosin alkali light chain 1 [Bos taurus]
1.26	69.5	157 - 172	K.LSVEALNSLTGEFKGK.Y		gi 4838363	creatine kinase M chain [Bos taurus]
-16.51	37.4	718 - 724	R.ILYADFK.Q		gi 261245063	myosin heavy chain IIa [Bos taurus]
12.77	68.3	69 - 84	K.DLMELQALIDSHFEAR.K		gi 21039002	troponin T fast skeletal muscle type [Bos taurus]
2.10	41.4	87 - 97	K.IWHHTFYNELR.V		gi 27819614	actin, alpha 1, skeletal muscle [Bos taurus]
-6.19	41.8	92 - 105	R.IQLVEEELDRAQER.L		gi 61888866	tropomyosin alpha-1 chain [Bos taurus]
-18.75	41.3	1479 - 1486	R.SLSTELFK.I		gi 41386691	myosin, heavy chain 1, skeletal muscle, adult [Bos taurus]
-4.70	96.1	1030 - 1047	K.TKLEQQVDDLEGSLEQEK.K		gi 75055812	Myosin-2 (Myosin heavy chain 2) (Myosin heavy chain 2a) (MyHC-2a) (Myosin heavy chain, skeletal muscle, adult 2)
2.89	74.2	112 - 127	R.VFDKEGNGTVMGAELR.H	Deamidated: 7	gi 1096612	myosin:SUBUNIT=light chain 1
7.28	74.0	771 - 781	K.AGLLGILEEMR.D		gi 119911910	PREDICTED: myosin, heavy chain 4, skeletal muscle [Bos taurus]
24.58	28.3	38 - 49	K.QLEEEQQALQKK.L		gi 11875203	tropomyosin 2, beta [Mus musculus]
6.72	100.7	2 - 17	M.GLSDGEWQLVLNAWGK.V		gi 27806939	myoglobin [Bos

						taurus]
11.42	55.4	113 - 125	K.LEEAKEKADESER.G		gi 58652133	tropomyosin 3 [Bos taurus]
2.26	54.6	7 - 21	K.AAVEQLTEEQNEFK.A		gi 77735655	troponin C type 1 (slow) [Bos taurus]
27.64	51.0	1822 - 1835	R.VRELEGEVESEQKR.N		gi 41386691	myosin, heavy chain 1, skeletal muscle, adult [Bos taurus]
6.25	36.6	752 - 763	K.TPPPVAPKPAVK.S		gi 139948281	synaptopodin 2 [Bos taurus]
-1.17	53.7	6390 - 6405	R.NQENISSVLYSDSFRK.Q		gi 119887683	PREDICTED: nebulin [Bos taurus]
20.03	35.1	771 - 781	K.AGLLGILEEMR.D	Oxidation: 10	gi 119911910	PREDICTED: myosin, heavy chain 4, skeletal muscle [Bos taurus]
-8.02	39.1	98 - 109	Q.LGTAGQGFSYSK.S		gi 113911880	MYOZ1 protein [Bos taurus]
-3.34	63.7	1716 - 1730	R.VQLLHTQNTSLINTK.K		gi 41386691	myosin, heavy chain 1, skeletal muscle, adult [Bos taurus]
34.09	31.5	42 - 70	K.LRDKETPSGFTLDDVIQTGVDNPG HPFIM.T		gi 4838363	creatine kinase M chain [Bos taurus]
136.77	103.8	619 - 637	K.TLALLFSGPASGEAEGGPK.K		gi 41386691	myosin, heavy chain 1, skeletal muscle, adult [Bos taurus]
-11.35	67.4	91 - 105	R.RIQLVEEELDRAQER.L		gi 61888866	tropomyosin alpha-1 chain [Bos taurus]
41.06	49.9	52 - 63	K.DSYVGDEAQSKR.G		gi 296482731	actin, gamma-enteric smooth muscle [Bos taurus]
4.72	90.6	1224 - 1244	K.EKSEMKMEIDDLASNMETVSK.A		gi 119911910	PREDICTED: myosin, heavy chain 4, skeletal muscle [Bos taurus]
-46.12	96.0	194 - 207	R.VIQYFATIAVTGEK.K		gi 76643943	PREDICTED: myosin, heavy chain 8, skeletal

						muscle, perinatal isoform 2 [Bos taurus]
3.59	90.4	967 - 981	K.NLTEEMAGLDEIIAK.L		gi 297479068	PREDICTED: myosin, heavy polypeptide 6, cardiac muscle, alpha-like [Bos taurus]
121.76	24.4	41 - 56	K.TYFPHFDLSHGSAQVK.G		gi 576142	Chain A, A Novel Allosteric Mechanism In Haemoglobin. Structure Of Bovine Deoxyhaemoglobin, Absence Of Specific Chloride-Binding Sites And Origin Of The Chloride-Linked Bohr Effect In Bovine And Human Haemoglobin
-4.01	74.0	1181 - 1198	R.DLEEATLQHEATAAALRK.K		gi 119911910	PREDICTED: myosin, heavy chain 4, skeletal muscle [Bos taurus]
9.85	53.5	1348 - 1362	R.EQYEEQEGKAELQR.A		gi 76643943	PREDICTED: myosin, heavy chain 8, skeletal muscle, perinatal isoform 2 [Bos taurus]
-14.76	50.5	237 - 245	R.QKYDITNLR.S	Gln->pyro-Glu: 1	gi 75054140	RecName: Full=Troponin T, fast skeletal muscle; Short=TnTf
7.02	70.1	61 - 74	K.IPEGEKVDFDDIQK.K		gi 75054140	RecName: Full=Troponin T, fast skeletal muscle; Short=TnTf
-30.63	43.3	36 - 49	R.CKQLEEEQALQKK.L	Propionamide	gi 11875203	tropomyosin 2,

				: 1		beta [Mus musculus]
5.32	54.3	282 - 297	M.TGTEYMQDPDEEALRR.S		gi 296472045	LIM domain binding 3 [Bos taurus]
27.64	51.0	1824 - 1837	R.VRELEGEVESEQKR.N		gi 261245063	myosin heavy chain IIa [Bos taurus]
-66.14	60.1	98 - 115	R.VAPEEHPTLLTEAPLNPK.A		gi 4501881	actin, alpha 1, skeletal muscle [Homo sapiens]
19.71	56.1	126 - 141	R.YLSELAQLEEDVHVAR.T		gi 84000245	myomesin (M-protein) 2, 165kDa [Bos taurus]
27.33	68.3	1376 - 1385	R.TKYETDAIQR.T		gi 297486816	PREDICTED: myosin, heavy chain 4, skeletal muscle [Bos taurus]
-24.11	87.3	68 - 83	R.TGAIVDVPVGEELLGR.V		gi 157879502	Chain B, Bovine Mitochondrial F1-ATPase Complexed With The Inhibitor Protein If1
-12.25	55.4	22 - 31	K.DFNMPLTISR.I		gi 296472045	LIM domain binding 3 [Bos taurus]
5.67	66.9	1761 - 1774	K.AITDAAMMAEELKK.E		gi 41386691	myosin, heavy chain 1, skeletal muscle, adult [Bos taurus]
2.95	50.5	156 - 167	K.ATEPVIAFYEKR.G		gi 61888850	adenylate kinase 1 [Bos taurus]
14.70	49.4	1086 - 1097	K.KKEFEMSNLQSK.I		gi 119911910	PREDICTED: myosin, heavy chain 4, skeletal muscle [Bos taurus]
25.17	54.7	1824 - 1835	R.ELEGEVESEQKR.N		gi 76643943	PREDICTED: myosin, heavy chain 8, skeletal muscle, perinatal isoform 2 [Bos taurus]
15.77	56.7	1902 -	K.LQHELEEAERADIAESQVNKLR.V		gi 76643943	PREDICTED:

		1924				myosin, heavy chain 8, skeletal muscle, perinatal isoform 2 [Bos taurus]
23.86	26.8	11 - 25	K.VTHTGQVYDDGDYRK.V		gi 233597	13 kDa-A polypeptide of iron-sulfur protein fraction of NADH:ubiquinone oxidoreductase [cattle, heart, Peptide Mitochondrial Partial, 96 aa]
-2.98	38.9	9 - 15	K.FLPLFDR.V		gi 4504523	heat shock 10kDa protein 1 [Homo sapiens]
30.37	37.0	1681 - 1700	R.ANLLQAEIEELRATLEQTER.S		gi 76643943	PREDICTED: myosin, heavy chain 8, skeletal muscle, perinatal isoform 2 [Bos taurus]
15.82	39.9	842 - 854	K.ELSATPSAQKVTK.S		gi 297465038	PREDICTED: titin [Bos taurus]
16.97	84.7	40 - 61	R.HQGVMMVGMGQKDSYVGDEAQS K.R		gi 22655316	beta-actin [Bos taurus]
1.22	64.0	18 - 30	R.GLAGVENVTTELKK.N		gi 296471575	glycogen phosphorylase, muscle form [Bos taurus]
29.24	53.2	100 - 115	A.PEEHPTLLTEAPLNPK.A		gi 4501883	alpha 2 actin [Homo sapiens]
7.11	26.4	269 - 284	K.AISEELDNALNDITSL.-	Deamidated: 11	gi 11875203	tropomyosin 2, beta [Mus musculus]
-7.08	80.6	1180 - 1197	R.RDLEEATLQHEATAAALR.K		gi 119911910	PREDICTED: myosin, heavy chain 4, skeletal muscle [Bos taurus]
-21.78	68.0	417 - 432	K.GQTVQQVYNAV GALAK.A	Deamidated: 2; Deamidated: 5;	gi 113911880	MYOZ1 protein [Bos taurus]

				Deamidated: 6		
120.66	94.3	261 - 273	K.LASADIETYLLEK.S		gi 297486816	PREDICTED: myosin, heavy chain 4, skeletal muscle [Bos taurus]
-10.83	60.2	977 - 994	R.GEPGPAGAVGPAGAVGPR.G		gi 261245063	myosin heavy chain IIa [Bos taurus]
4.31	32.5	263 - 274	K.SRSPTPPSIAAK.A		gi 27806257	collagen, type I, alpha 2 [Bos taurus]
-4.60	65.9	1178 - 1194	R.DLEEATLQHEATAAALR.K		gi 297465038	PREDICTED: titin [Bos taurus]
29.73	61.5	1487 - 1503	K.IKNAYEESLDQLETLKR.E		gi 297459506	PREDICTED: myosin, heavy polypeptide 6, cardiac muscle, alpha-like [Bos taurus]
6.41	77.7	77 - 90	K.KATDAEADVASLNR.R		gi 41386691	myosin, heavy chain 1, skeletal muscle, adult [Bos taurus]
-6.38	68.1	683 - 697	K.TPGAMEHELVLHQLR.C		gi 87196510	tropomyosin 2 (beta) [Bos taurus]
-27.42	75.3	78 - 90	K.ATDAEADVASLNR.R		gi 76643943	PREDICTED: myosin, heavy chain 8, skeletal muscle, perinatal isoform 2 [Bos taurus]
-0.39	26.4	372 - 387	K.QREEQAEPDGTevADK.A		gi 11875203	tropomyosin 2, beta [Mus musculus]
28.20	65.8	1199 - 1216	K.KHADSVaelGEQIDNLQR.V		gi 119911910	PREDICTED: myosin, heavy chain 4, skeletal muscle [Bos taurus]
-0.95	61.6	105 - 118	K.GKPYAITTDTPELR.R		gi 119911910	PREDICTED: myosin, heavy chain 4, skeletal muscle [Bos taurus]

-35.80	56.5	34 - 41	F.PSIVGRPR.H		gi 119887683	PREDICTED: nebulin [Bos taurus]
-27.48	60.2	17 - 29	K.VKVDEVGGEALGR.L		gi 4885049	cardiac muscle alpha actin 1 proprotein [Homo sapiens]
-61.43	34.0	318 - 328	K.EITALAPSTMK.I		gi 194680801	PREDICTED: similar to gamma globin [Bos taurus]
-6.39	44.9	976 - 994	N.RGEPGPAGAVGPAGAVGPR.G		gi 146327386	ACTA2 protein [Bos taurus]
12.48	52.6	1903 - 1914	R.KLQHELEEAER.A		gi 27806257	collagen, type I, alpha 2 [Bos taurus]
-0.70	111.6	1620 - 1637	K.KMEGDLNEMEIQLNHANR.L		gi 75055812	Myosin-2 (Myosin heavy chain 2) (Myosin heavy chain 2a) (MyHC- 2a) (Myosin heavy chain, skeletal muscle, adult 2)
144.52	51.4	31 - 41	R.AVFPSIVGRPR.H		gi 297486814	PREDICTED: myosin, heavy chain 8, skeletal muscle, perinatal [Bos taurus]
-15.77	27.6	234 - 240	K.YDITNLR.S		gi 4501883	alpha 2 actin [Homo sapiens]
3.86	70.4	87 - 99	R.KLVSQEEIEFIQR.G		gi 21038998	troponin T fast skeletal muscle type [Bos taurus]
-33.59	89.0	1183 - 1197	L.EEATLQHEATAAALR.K		gi 78369264	mitochondrial ribosomal protein S36 [Bos taurus]
140.34	85.8	86 - 98	R.ALGQNPTQAEVLR.V		gi 119911910	PREDICTED: myosin, heavy chain 4, skeletal muscle [Bos taurus]
135.12	59.4	1682 - 1702	R.RANLLQAEIEELRATLEQTER.S		gi 270483786	myosin light chain 3 [Bos taurus]
24.73	79.9	187 - 206	R.NFNKTPMPFGGPLVGETLPR.A		gi 75055812	Myosin-2 (Myosin heavy chain 2) (Myosin heavy

						chain 2a) (MyHC-2a) (Myosin heavy chain, skeletal muscle, adult 2)
6.26	37.6	1023 - 1033	D.DLEGSLEQEKK.V		gi 296485174	myozenin 3 [Bos taurus]
-9.93	41.5	228 - 243	K.MLDAEDIVNTPKPDER.A		gi 297479068	PREDICTED: myosin, heavy polypeptide 6, cardiac muscle, alpha-like [Bos taurus]
-68.97	94.1	1230 - 1244	K.MEIDDLASNMETVSK.A		gi 77736221	actinin, alpha 2 [Bos taurus]
-17.90	44.1	1867 - 1877	R.LQDLVDKLQAK.V		gi 119911910	PREDICTED: myosin, heavy chain 4, skeletal muscle [Bos taurus]
12.88	59.4	1341 - 1362	R.HDCDLLREQYEEEQEGKAELQR.A	Propionamide : 3	gi 76643943	PREDICTED: myosin, heavy chain 8, skeletal muscle, perinatal isoform 2 [Bos taurus]
187.81	53.3	1703 - 1730	R.KIAEQELLDASERVQLLHTQNTSLI NTK.K		gi 41386691	myosin, heavy chain 1, skeletal muscle, adult [Bos taurus]
67.39	57.4	38 - 70	K.AAQSQLSQGDLVVAIDGVNTDT MTHLEAQNKIK.S		gi 41386691	myosin, heavy chain 1, skeletal muscle, adult [Bos taurus]
9.00	25.1	23 - 38	K.DFNMPLTISSLKDGK.A		gi 296472045	LIM domain binding 3 [Bos taurus]
9.85	53.5	5946 - 5960	R.NLTGLEVTPALLHVK.Y		gi 116875781	PDZ and LIM domain 5 [Bos taurus]
-18.75	45.5	33 - 40	K.ALTLIYK.K		gi 119887683	PREDICTED: nebulin [Bos taurus]
-68.97	94.1	1229 - 1243	K.MEIDDLASNMETVSK.A		gi 60097925	muscle creatine kinase [Bos taurus]
10.27	42.5	643 -	K.KGSSFQTVSALFRENLNK.L		gi 41386691	myosin, heavy

		660				chain 1, skeletal muscle, adult [Bos taurus]
-42.14	49.6	33 - 41	V.FPSIVGRPR.H		gi 41386691	myosin, heavy chain 1, skeletal muscle, adult [Bos taurus]
-36.30	91.5	929 - 942	R.AEDEEEINAELTAK.K		gi 146327386	ACTA2 protein [Bos taurus]
4.72	90.6	1223 - 1243	K.EKSEMKMEIDDLASNMETVSK.A		gi 41386691	myosin, heavy chain 1, skeletal muscle, adult [Bos taurus]
-55.42	92.3	980 - 994	K.NLTEEMAGLDETIAK.L		gi 297486816	PREDICTED: myosin, heavy chain 4, skeletal muscle [Bos taurus]
-70.27	23.7	822 - 835	L.AGPFGKPQAAVASR.N		gi 41386691	myosin, heavy chain 1, skeletal muscle, adult [Bos taurus]
4.92	73.1	41 - 62	R.HQGVMVGMGQKDSYVGDEAQS K.R		gi 139948281	synaptopodin 2 [Bos taurus]
25.83	79.2	21 - 47	R.GVAGALRPLVQAAVPATSESPVL DLKR.S		gi 296482731	actin, gamma-enteric smooth muscle [Bos taurus]
18.99	59.5	973 - 994	K.HGNRGEPGPAGAVGPAGAVGPR .G		gi 4139400	Chain I, Cytochrome Bc1 Complex From Bovine
84.93	32.2	1683 - 1702	R.ANLLQAEIEELRATLEQTER.S	Deamidated: 2; Deamidated: 5	gi 27806257	collagen, type I, alpha 2 [Bos taurus]
-55.42	92.3	982 - 996	K.NLTEEMAGLDETIAK.L		gi 261245063	myosin heavy chain IIa [Bos taurus]
7.70	53.7	1734 - 1754	K.KLETDTIQGEMEDILQEAR.N	Oxidation: 13	gi 261245063	myosin heavy chain IIa [Bos taurus]
28.78	45.7	153 - 167	K.HIAEEADRKYEELVAR.K		gi 75055812	Myosin-2 (Myosin heavy chain 2) (Myosin heavy chain 2a) (MyHC-2a) (Myosin

						heavy chain, skeletal muscle, adult 2)
14.58	61.7	868 - 888	R.VRAEPTSPQFPFAETPETFK.S		gi 155372051	hypothetical protein LOC535277 [Bos taurus]
-71.96	92.0	68 - 78	K.ITLSQVGDVLR.A		gi 297465038	PREDICTED: titin [Bos taurus]
6.41	65.1	168 - 178	R.KLVILEGELER.S		gi 118601750	fast skeletal myosin alkali light chain 1 [Bos taurus]
-5.20	64.9	60 - 69	K.IAVAAQNCYK.V	Propionamide : 8	gi 11875203	tropomyosin 2, beta [Mus musculus]
4.86	74.1	315 - 328	R.MQKEITALAPSTMK.I		gi 61888856	triosephosphate isomerase 1 [Bos taurus]
-22.56	103.2	1030 - 1048	K.TKLEQQVDDLEGSLEQEKK.L		gi 4501883	alpha 2 actin [Homo sapiens]
15.61	83.0	1002 - 1027	K.KALQEAHQQTLLDLQAEEDKVNT LTK.A		gi 75055812	Myosin-2 (Myosin heavy chain 2) (Myosin heavy chain 2a) (MyHC-2a) (Myosin heavy chain, skeletal muscle, adult 2)
110.07	68.9	55 - 74	K.RQNKDLMEQLALIDSHFEAR.K		gi 261245063	myosin heavy chain IIa [Bos taurus]
-39.48	80.2	1881 - 1895	R.QAEEAEEQANTNLSK.F		gi 47824864	troponin T3, skeletal, fast [Bos taurus]
10.19	63.5	1581 - 1593	K.IAEKDDEIDQLKR.N		gi 296483595	myosin-7 [Bos taurus]
12.60	66.8	1903 - 1914	R.KLQHELEEAER.A		gi 261245063	myosin heavy chain IIa [Bos taurus]
120.66	94.3	261 - 273	K.LASADIETYLLEK.S		gi 261245063	myosin heavy chain IIa [Bos taurus]
5.77	87.5	19 - 37	F.GGAPSFPLGSPLSSPVFPR.A		gi 76643943	PREDICTED: myosin, heavy chain 8, skeletal muscle, perinatal

						isoform 2 [Bos taurus]
-7.20	35.1	112 - 119	R.MSADAMLK.A		gi 2959456	desmin [Bos taurus]
-4.73	25.4	1023 - 1032	D.DLEGSLEQEK.K		gi 119939192	PREDICTED: similar to LOC506434 protein, partial [Bos taurus]
-5.03	38.9	1865 - 1875	R.LQDLVDKLQLK.V		gi 297479068	PREDICTED: myosin, heavy polypeptide 6, cardiac muscle, alpha-like [Bos taurus]
-56.86	28.9	324 - 328	A.PSTMK.I		gi 297459506	PREDICTED: myosin, heavy polypeptide 6, cardiac muscle, alpha-like [Bos taurus]
30.47	60.4	1197 - 1215	R.KKHADSVAELGEQIDNLQR.V		gi 27819614	actin, alpha 1, skeletal muscle [Bos taurus]
11.13	30.2	314 - 329	K.LRNWHHGLSAQILNVK.S		gi 297486816	PREDICTED: myosin, heavy chain 4, skeletal muscle [Bos taurus]
-0.70	111.4	1620 - 1637	K.KMEGDLNEMEIQLNHANR.M		gi 296472045	LIM domain binding 3 [Bos taurus]
166.16	47.2	30 - 40	R.AVFPSIVGRPR.H		gi 41386691	myosin, heavy chain 1, skeletal muscle, adult [Bos taurus]
20.08	53.7	1913 - 1924	R.ADIAESQVNKL.R.V		gi 296482731	actin, gamma-enteric smooth muscle [Bos taurus]
-11.42	125.3	1884 - 1898	R.QAEEAEEQSNVNLK.F		gi 297486814	PREDICTED: myosin, heavy chain 8, skeletal muscle, perinatal [Bos taurus]
3.29	49.6	1118 - 1132	R.IEEEEIEAERASR.A		gi 41386691	myosin, heavy chain 1, skeletal

						muscle, adult [Bos taurus]
15.58	64.1	1304 - 1317	R.GKLTYYTQQLEDLKR.Q		gi 41386691	myosin, heavy chain 1, skeletal muscle, adult [Bos taurus]
-1.47	81.8	1290 - 1303	R.QLDEKEALISQLTR.G		gi 296483595	myosin-7 [Bos taurus]
-43.73	87.3	727 - 742	K.VLNASAIPEGQFIDSK.K		gi 41386711	myosin, heavy chain 7, cardiac muscle, beta [Bos taurus]
-29.08	31.7	199 - 208	R.GYSFVTTAER.E		gi 41386691	myosin, heavy chain 1, skeletal muscle, adult [Bos taurus]
15.18	30.4	1895 - 1911	D.EAEERADIAESQVNLKR.A		gi 27819614	actin, alpha 1, skeletal muscle [Bos taurus]
5.97	65.2	1705 - 1717	R.KIAEQELLDASER.V		gi 297479068	PREDICTED: myosin, heavy polypeptide 6, cardiac muscle, alpha-like [Bos taurus]
-12.33	70.7	95 - 104	D.PEETILNAFK.V		gi 261245063	myosin heavy chain IIa [Bos taurus]
-4.01	74.0	1177 - 1194	R.DLEEATLQHEATAAALRK.K		gi 296478466	myosin regulatory light chain 2, ventricular/cardia c muscle isoform [Bos taurus]
-21.78	68.0	417 - 432	K.GQTVEQVYNAVGALAK.A	Deamidated: 2; Deamidated: 6	gi 41386711	myosin, heavy chain 7, cardiac muscle, beta [Bos taurus]
-49.87	58.1	98 - 115	R.VAPEEHPTLLTEAPLNPK.A		gi 41386691	myosin, heavy chain 1, skeletal muscle, adult [Bos taurus]
-19.21	59.7	77 - 91	K.KATDAEADVASLNRR.I		gi 146327386	ACTA2 protein [Bos taurus]
29.17	98.3	21 - 47	R.GVAGALRPLVQAAVPATSESPVL DLKR.S		gi 87196510	tropomyosin 2 (beta) [Bos taurus]
-41.80	146.6	1155 -	R.LEEAGGATSAQIEMNK.K		gi 1351360	Cytochrome b-c1

		1170				complex subunit Rieske, mitochondrial precursor (Ubiquinol-cytochrome c reductase iron-sulfur subunit) (Rieske iron-sulfur protein) (RISP) (Complex III subunit 5) [Contains: Cytochrome b-c1 complex subunit 11 (Ubiquinol-cytochrome c reductase 8 kDa protein) (Complex III subunit IX)]
7.28	74.0	772 - 782	K.AGLLGLEEMR.D		gi 261245063	myosin heavy chain IIa [Bos taurus]
7.28	74.0	770 - 780	K.AGLLGLEEMR.D		gi 261245063	myosin heavy chain IIa [Bos taurus]
-19.23	57.4	242 - 251	K.AMEAVAAQGK.A		gi 41386691	myosin, heavy chain 1, skeletal muscle, adult [Bos taurus]
-13.30	48.4	232 - 240	R.FLGDEETVR.K		gi 296475149	phosphoglycerate mutase 2 [Bos taurus]
-4.01	74.0	1180 - 1197	R.DLEEATLQHEATAAALRK.K		gi 296475149	phosphoglycerate mutase 2 [Bos taurus]
-8.07	42.4	231 - 240	R.TAMPYGGYEK.A		gi 41386691	myosin, heavy chain 1, skeletal muscle, adult [Bos taurus]
21.46	64.2	1023 - 1036	K.YSLPADLPQFIQAK.V		gi 113911880	MYOZ1 protein [Bos taurus]
-135.19	40.8	397 - 402	P.KPLITR.F		gi 119887683	PREDICTED: nebulin [Bos taurus]
12.77	57.2	823 - 835	A.GPFKGPQAAVASR.N		gi 329663966	neuropilin-1 [Bos taurus]

8.21	67.4	1003 - 1027	K.ALQEAHQQTLLDDLQAEEDKVNTLTK.A		gi 139948281	synaptopodin 2 [Bos taurus]
-41.80	146.6	1153 - 1168	R.LEEAGGATSAQIEMNK.K		gi 261245063	myosin heavy chain IIa [Bos taurus]
-18.56	21.9	186 - 193	R.DLTDYLMK.I		gi 41386691	myosin, heavy chain 1, skeletal muscle, adult [Bos taurus]
-0.39	26.4	371 - 386	K.QREEQAEPDGTGEVADK.A		gi 4885049	cardiac muscle alpha actin 1 proprotein [Homo sapiens]
7.79	65.5	1197 - 1210	K.ISMPDVDLNLKGPK.V		gi 261245063	myosin heavy chain IIa [Bos taurus]
17.72	33.0	179 - 192	R.LDLAGRDLTDYLMK.I		gi 297492053	PREDICTED: AHNAK nucleoprotein [Bos taurus]
16.96	61.0	59 - 74	K.DLMELQALIDSHFEAR.K	Oxidation: 3	gi 194676388	PREDICTED: similar to Actin, cytoplasmic 2 (Beta-actin-2) [Bos taurus]
2.27	85.8	20 - 33	K.NNLGELINTLNAAK.V		gi 21039004	troponin T fast skeletal muscle type [Bos taurus]
40.91	31.4	1852 - 1864	R.VKELTYQTEEDRK.N		gi 61888856	triosephosphate isomerase 1 [Bos taurus]
1.44	49.9	185 - 199	R.RKPLNIDHLSCLKR.D		gi 261245063	myosin heavy chain IIa [Bos taurus]
-1.15	74.4	315 - 328	R.MQKEITALAPSTMK.I		gi 21039002	troponin T fast skeletal muscle type [Bos taurus]
51.88	26.7	1733 - 1753	K.KLETDTIQGEMEDIVQEAR.N	Oxidation: 13	gi 27819614	actin, alpha 1, skeletal muscle [Bos taurus]
-16.88	70.6	40 - 50	R.HQGVMMVGMGQK.D		gi 119911910	PREDICTED: myosin, heavy chain 4, skeletal muscle [Bos taurus]
17.72	33.0	180 - 193	R.LDLAGRDLTDYLMK.I		gi 4501887	actin, gamma 1 propeptide

						[Homo sapiens]
-10.46	56.1	133 - 160	H.HQGS GSGSGSGSGPGSGGAGGP GGHSGR.G	Deamidated: 2; Dehydrated: 8; Dehydrated: 0	gi 27819614	actin, alpha 1, skeletal muscle [Bos taurus]
12.79	74.0	33 - 54	R.AAVPSGASTGIYEALERDGDGK.S		gi 113911880	MYOZ1 protein [Bos taurus]
15.68	52.8	168 - 184	K.SATQSAEITIPVTFQAR.A		gi 77736349	enolase 3 (beta, muscle) [Bos taurus]
-48.62	105.2	252 - 264	K.TIDDLEDEVYAQK.M		gi 85542053	Heat shock protein beta-1 (HspB1) (Heat shock 27 kDa protein) (HSP 27)
2.54	82.0	1705 - 1717	R.KIAEQELLDASER.V		gi 11875203	tropomyosin 2, beta [Mus musculus]
4.72	90.6	1223 - 1243	K.EKSEM KMEIDDLASNMETVSK.A		gi 75055812	Myosin-2 (Myosin heavy chain 2) (Myosin heavy chain 2a) (MyHC-2a) (Myosin heavy chain, skeletal muscle, adult 2)
13.35	48.4	124 - 146	K.SLLSGEEKENLPSDYMVPIFSGR.Q		gi 41386691	myosin, heavy chain 1, skeletal muscle, adult [Bos taurus]
-10.52	55.0	1283 - 1292	R.LQTESGEFSR.Q		gi 297489712	PREDICTED: myomesin 1, 185kDa isoform 1 [Bos taurus]
23.47	64.8	1278 - 1289	R.AKLQTENGELSR.Q	Deamidated: 7	gi 41386691	myosin, heavy chain 1, skeletal muscle, adult [Bos taurus]
20.03	35.1	772 - 782	K.AGLLG LLEEMR.D	Oxidation: 10	gi 41386711	myosin, heavy chain 7, cardiac muscle, beta [Bos taurus]
8.68	66.6	61 - 78	K.SPDWLMHQGPPDTAEMIK.T		gi 261245063	myosin heavy chain IIa [Bos taurus]
-54.77	86.6	417 -	K.GQTVEQVTNAV GALAK.A		gi 78369264	mitochondrial

		432				ribosomal protein S36 [Bos taurus]
15.83	41.9	1082 - 1093	K.KKDFELNALNAR.I		gi 261245063	myosin heavy chain IIa [Bos taurus]
40.91	31.4	1851 - 1863	R.VKELTYQTEEDRK.N		gi 296483595	myosin-7 [Bos taurus]
-0.39	26.4	371 - 386	K.QREEQAEPDGTADVADK.A		gi 119911910	PREDICTED: myosin, heavy chain 4, skeletal muscle [Bos taurus]
-13.52	68.9	71 - 82	K.SASYNLSLTLQK.S		gi 41386691	myosin, heavy chain 1, skeletal muscle, adult [Bos taurus]
-12.77	50.4	20 - 37	G.GAPSFPLGSPVFPFR.A		gi 296472045	LIM domain binding 3 [Bos taurus]
-11.80	106.2	1147 - 1170	R.ELEEISERLEEAGGATSAQIEMNK.K		gi 126158909	desmin [Bos taurus]
0.01	93.9	42 - 64	R.HQGVMMVGMGQKDSYVGDEAQS KR.G		gi 261245063	myosin heavy chain IIa [Bos taurus]
15.07	46.9	36 - 49	K.TSVFVADPKESFVK.A		gi 146327386	ACTA2 protein [Bos taurus]
27.03	26.8	50 - 64	K.IPEGEKVDFDDIQKK.R		gi 41386691	myosin, heavy chain 1, skeletal muscle, adult [Bos taurus]
10.72	70.4	6182 - 6200	K.YKEVIGQGTPIDLPVKR.V		gi 21039000	troponin T fast skeletal muscle type [Bos taurus]
24.43	61.7	185 - 199	R.RKPLNIDHLSKLR.D		gi 119887683	PREDICTED: nebulin [Bos taurus]
19.61	40.1	1596 - 1609	R.IVESMQSTLDAEIR.S	Oxidation: 5	gi 21039000	troponin T fast skeletal muscle type [Bos taurus]
183.62	36.7	109 - 128	R.IAQPTLLLYVDAGPETMTKR.L		gi 41386691	myosin, heavy chain 1, skeletal muscle, adult [Bos taurus]
27.33	68.3	1377 - 1386	R.TKYETDAIQR.T		gi 61888850	adenylate kinase 1 [Bos taurus]
17.72	28.4	355 - 366	K.LTGAVMHYGNLK.F		gi 119911910	PREDICTED: myosin, heavy

						chain 4, skeletal muscle [Bos taurus]
-9.21	93.9	371 - 386	K.QREEQAEPDGTEVADK.A	Gln->pyro-Glu: 1	gi 297486816	PREDICTED: myosin, heavy chain 4, skeletal muscle [Bos taurus]
-42.01	47.9	1566 - 1574	R.IQLELNQVK.S		gi 297486814	PREDICTED: myosin, heavy chain 8, skeletal muscle, perinatal [Bos taurus]
-18.98	62.5	169 - 178	K.LVILEGELER.A		gi 75055812	Myosin-2 (Myosin heavy chain 2) (Myosin heavy chain 2a) (MyHC-2a) (Myosin heavy chain, skeletal muscle, adult 2)
-23.80	43.4	1481 - 1488	R.SLGTELFK.M		gi 155372051	hypothetical protein LOC535277 [Bos taurus]
-36.54	78.3	724 - 739	R.ILNPAAIPEGQFIDSR.K		gi 75055812	Myosin-2 (Myosin heavy chain 2) (Myosin heavy chain 2a) (MyHC-2a) (Myosin heavy chain, skeletal muscle, adult 2)
-33.59	89.0	1182 - 1196	L.EEATLQHEATAAALR.K		gi 41386711	myosin, heavy chain 7, cardiac muscle, beta [Bos taurus]
2.62	54.2	315 - 328	R.MQKEITALAPSTMK.I		gi 41386691	myosin, heavy chain 1, skeletal muscle, adult [Bos taurus]
-12.68	42.0	677 - 684	R.CIIPNETK.T	Propionamide : 1	gi 61553131	alpha 2 actin [Bos taurus]
101.88	82.5	387 - 400	K.AAYLQGLNSADLLK.A		gi 261245063	myosin heavy chain IIa [Bos taurus]
160.13	108.2	239 -	K.SYELPDGQVITIGNER.F		gi 41386691	myosin, heavy

		254				chain 1, skeletal muscle, adult [Bos taurus]
-14.06	59.2	31 - 38	F.PSIVGRPR.H		gi 4501887	actin, gamma 1 propeptide [Homo sapiens]
-19.23	57.5	242 - 251	K.AMEAVAAQGK.A		gi 157878210	Chain A, Structure Of Bovine Beta-Actin-Profilin Complex With Actin Bound Atp Phosphates Solvent Accessible
18.13	67.9	106 - 125	R.LATALQKLEEAKEADESER.G		gi 84000195	phosphoglycerate mutase 2 (muscle) [Bos taurus]
16.69	56.8	85 - 107	K.RPIISTAAPPIQSPLVIPHQK.D		gi 58652133	tropomyosin 3 [Bos taurus]
-109.05	52.1	29 - 47	P.LVQAAVPATSESPVLDLKR.S	Carbamyl: 1	gi 296472045	LIM domain binding 3 [Bos taurus]
26.35	82.7	77 - 95	R.QNKDLMELQALIDSHFEAR.K	Gln->pyro-Glu: 1	gi 4139400	Chain I, Cytochrome Bc1 Complex From Bovine
-36.67	103.1	233 - 246	R.VPTPNVSVDLTCR.L	Propionamide : 13	gi 75054140	RecName: Full=Troponin T, fast skeletal muscle; Short=TnTf
-26.19	68.8	1180 - 1196	R.DLEEATLQHEATAAALR.K		gi 77404273	glyceraldehyde-3-phosphate dehydrogenase [Bos taurus]
1.88	90.4	18 - 32	K.VEADVAGHGQEVLR.L		gi 76643943	PREDICTED: myosin, heavy chain 8, skeletal muscle, perinatal isoform 2 [Bos taurus]
21.89	73.7	53 - 74	R.LTLYDIAHTPGVAADLSHIETR.A		gi 27806939	myoglobin [Bos taurus]
9.33	29.7	135 - 148	K.ALELFRNDMAAQYK.V		gi 118572778	Malate dehydrogenase,

						mitochondrial precursor
-7.99	54.4	1354 - 1362	K.ANSEVAQWR.T		gi 73586735	Myoglobin [Bos taurus]
25.17	54.9	1824 - 1835	R.ELEGEVESEQKR.N		gi 297479068	PREDICTED: myosin, heavy polypeptide 6, cardiac muscle, alpha-like [Bos taurus]
12.60	66.8	1902 - 1913	R.KLQHELEEAER.A		gi 297486814	PREDICTED: myosin, heavy chain 8, skeletal muscle, perinatal [Bos taurus]
-3.86	39.6	1310 - 1321	K.QAFTQQIEELKR.Q		gi 119911910	PREDICTED: myosin, heavy chain 4, skeletal muscle [Bos taurus]
-66.14	60.1	98 - 115	R.VAPEEHPTLLTEAPLNPK.A		gi 119911910	PREDICTED: myosin, heavy chain 4, skeletal muscle [Bos taurus]
18.03	45.0	450 - 464	T.TTAVHIQPAHEQIRK.E		gi 4885049	cardiac muscle alpha actin 1 proprotein [Homo sapiens]
-41.11	121.1	1596 - 1609	R.IVESMQSTLDAEIR.S		gi 297465038	PREDICTED: titin [Bos taurus]
11.89	53.0	6374 - 6386	R.KATPTPVTPEMER.A		gi 41386691	myosin, heavy chain 1, skeletal muscle, adult [Bos taurus]
35.37	35.8	153 - 167	K.HIAEDSDRKYEEVAR.K		gi 119887683	PREDICTED: nebulin [Bos taurus]
8.23	45.9	32 - 44	K.YGYTHLSTGDLLR.A		gi 11875203	tropomyosin 2, beta [Mus musculus]
11.65	50.9	1795 - 1809	K.DLQHLRDEAEQLALK.G		gi 61888850	adenylate kinase 1 [Bos taurus]
20.45	97.6	945 - 955	R.KLEDECSELKK.D	Propionamide : 6	gi 76643943	PREDICTED: myosin, heavy chain 8, skeletal muscle, perinatal

						isoform 2 [Bos taurus]
28.70	65.6	672 - 694	R.CIIPNETKSPGVIDNPLVMHQLR.C	Propionamide : 1	gi 297486816	PREDICTED: myosin, heavy chain 4, skeletal muscle [Bos taurus]
5.67	66.9	1762 - 1775	K.AITDAAMMAEELKK.E		gi 41386711	myosin, heavy chain 7, cardiac muscle, beta [Bos taurus]
43.55	62.8	675 - 697	R.CIIPNETKTPGAMEHELVLHQLR.C	Propionamide : 1	gi 119911910	PREDICTED: myosin, heavy chain 4, skeletal muscle [Bos taurus]
12.77	68.3	75 - 90	K.DLMELQALIDSHFEAR.K		gi 41386691	myosin, heavy chain 1, skeletal muscle, adult [Bos taurus]
18.54	35.8	190 - 209	D.DHFLFDKPVSPLLASGMAR.D		gi 21038998	troponin T fast skeletal muscle type [Bos taurus]
30.13	55.8	1718 - 1733	R.VQLLHTQNTSLINTKK.K		gi 4838363	creatine kinase M chain [Bos taurus]
15.81	46.4	56 - 70	K.IPEGEKVDFDDIQKK.R		gi 261245063	myosin heavy chain IIa [Bos taurus]
-37.21	66.5	240 - 255	K.SYELPDGQVITIGNER.F	Dioxidation: 2	gi 21038998	troponin T fast skeletal muscle type [Bos taurus]
-21.11	90.6	1622 - 1639	K.KMEGDLNEMEIQLNHANR.M		gi 296482731	actin, gamma-enteric smooth muscle [Bos taurus]
9.85	53.6	1348 - 1362	R.EQYEEEQEGKAELQR.A		gi 75055812	Myosin-2 (Myosin heavy chain 2) (Myosin heavy chain 2a) (MyHC-2a) (Myosin heavy chain, skeletal muscle, adult 2)
-7.16	46.5	354 - 368	K.ADYNVLPASENPLLR.Q		gi 297486814	PREDICTED: myosin, heavy chain 8, skeletal muscle, perinatal

						[Bos taurus]
11.06	68.9	81 - 92	K.VVLDDKDYFLFR.D		gi 119887683	PREDICTED: nebulin [Bos taurus]
-11.11	46.9	31 - 41	R.AVFPSIVGRPR.H		gi 4504523	heat shock 10kDa protein 1 [Homo sapiens]
-33.59	89.0	1182 - 1196	L.EEATLQHEATAAALR.K		gi 4501881	actin, alpha 1, skeletal muscle [Homo sapiens]
-17.25	45.2	1 - 14	-.APPPPAEVPEVHEE.V		gi 76643943	PREDICTED: myosin, heavy chain 8, skeletal muscle, perinatal isoform 2 [Bos taurus]
16.06	83.5	65 - 78	K.HGNTVLTALGGILK.K		gi 1438755	troponin-T homolog/proteol ysis conditioning indicator peptide {internal fragment} [cattle, castrated Holstein steer, muscle, Peptide Partial, 15 aa]
-10.75	48.5	957 - 964	D.DLELTAK.V		gi 27806939	myoglobin [Bos taurus]
16.00	31.4	149 - 158	R.DLRDVGDWK.N		gi 297459506	PREDICTED: myosin, heavy polypeptide 6, cardiac muscle, alpha-like [Bos taurus]
-15.72	49.4	485 - 496	R.GEPGNIGFPGPK.G	Oxidation: 8	gi 119939192	PREDICTED: similar to LOC506434 protein, partial [Bos taurus]
-9.68	51.6	6036 - 6045	R.NATDIASQIK.Y		gi 27806257	collagen, type I, alpha 2 [Bos taurus]
-18.21	21.4	1329 - 1337	A.LAHALQSAR.H		gi 119887683	PREDICTED: nebulin [Bos taurus]
7.29	27.2	1438 - 1447	R.NFDKILAEWK.Q		gi 41386711	myosin, heavy chain 7, cardiac

						muscle, beta [Bos taurus]
47.18	37.5	840 - 847	R.CAAGATNI.C	Didehydro: 6; Propionamide :	gi 297479068	PREDICTED: myosin, heavy polypeptide 6, cardiac muscle, alpha-like [Bos taurus]
-6.19	41.8	92 - 105	R.IQLVEEELDRAQER.L		gi 41017302	Latent-transforming growth factor beta-binding protein 2 precursor (LTBP-2)
166.16	47.3	31 - 41	R.AVFPSIVGRPR.H		gi 11875203	tropomyosin 2, beta [Mus musculus]
120.66	94.3	261 - 273	K.LASADIETYLLEK.S		gi 146327386	ACTA2 protein [Bos taurus]
-12.68	68.2	8 - 20	R.SGPFAPVLSATSR.G		gi 297486816	PREDICTED: myosin, heavy chain 4, skeletal muscle [Bos taurus]
-60.23	93.6	1293 - 1306	R.QLDEKDALVSQLSR.T	Gln->pyro-Glu: 1	gi 4139400	Chain I, Cytochrome Bc1 Complex From Bovine
-7.15	68.2	92 - 106	K.LKGADPEDVITGAFK.V		gi 297486814	PREDICTED: myosin, heavy chain 8, skeletal muscle, perinatal [Bos taurus]
24.29	66.0	1902 - 1912	K.LQHELEEAER.A		gi 115497166	fast skeletal myosin light chain 2 [Bos taurus]
28.20	65.8	1198 - 1215	K.KHADSVaelGEQIDNLQR.V		gi 297486814	PREDICTED: myosin, heavy chain 8, skeletal muscle, perinatal [Bos taurus]
3.81	27.5	88 - 99	K.KGEREDLIAYLK.K		gi 297486816	PREDICTED: myosin, heavy chain 4, skeletal muscle [Bos taurus]

10.22	61.7	19 - 33	R.KNNLGELINTLNAAK.V		gi 82408001	Chain A, Crystal Structure Of Cytochrome C From Bovine Heart At 1.5 A Resolution.
33.81	49.4	1763 - 1786	K.AITDAAMMAEELKKEQDTSAHLE R.M		gi 61888856	triosephosphate isomerase 1 [Bos taurus]
-3.86	39.6	1309 - 1320	K.QAFTQQIEELKR.Q		gi 261245063	myosin heavy chain IIa [Bos taurus]
3.29	50.8	1118 - 1132	R.IEEEEIEAERASR.A		gi 297486816	PREDICTED: myosin, heavy chain 4, skeletal muscle [Bos taurus]
6.53	52.8	75 - 85	R.KKEEEELVALK.E		gi 297486814	PREDICTED: myosin, heavy chain 8, skeletal muscle, perinatal [Bos taurus]
-0.49	63.0	52 - 63	K.DSYVGDEAQSKR.G		gi 21039004	troponin T fast skeletal muscle type [Bos taurus]
-46.12	96.0	192 - 205	R.VIQYFATIAVTGEK.K		gi 4501889	actin, gamma 2 propeptide [Homo sapiens]
30.13	55.8	1716 - 1731	R.VQLLHTQNTSLINTKK.K		gi 119911910	PREDICTED: myosin, heavy chain 4, skeletal muscle [Bos taurus]
-14.73	26.1	67 - 74	K.VDFDDIQK.K		gi 41386691	myosin, heavy chain 1, skeletal muscle, adult [Bos taurus]
20.29	108.0	33 - 50	R.AAVPSGASTGIYEALRL.D		gi 75054140	RecName: Full=Troponin T, fast skeletal muscle; Short=TnTf
12.60	66.8	1901 - 1912	R.KLQHELEEAER.A		gi 77736349	enolase 3 (beta, muscle) [Bos taurus]
11.53	68.6	6055 - 6074	K.ANFTSVVDTPETIIHAQQVKN.L		gi 41386691	myosin, heavy chain 1, skeletal

						muscle, adult [Bos taurus]
4.52	69.3	99 - 114	A.PEEHPTLLTEAPLNPK.A		gi 119887683	PREDICTED: nebulin [Bos taurus]
4.76	67.3	120 - 134	K.HPSDFGADAQAAMSK.A		gi 4501889	actin, gamma 2 propeptide [Homo sapiens]
42.84	45.1	1278 - 1289	R.AKLQTENGELSR.Q	Deamidated: 4; Deamidated: 7	gi 73586735	Myoglobin [Bos taurus]
-10.03	83.9	111 - 123	D.PAAGSVILLENLR.F		gi 41386711	myosin, heavy chain 7, cardiac muscle, beta [Bos taurus]
12.80	62.9	8 - 29	K.GPVMTTTGDLTEPVPLDLGKK.L		gi 156120479	aldolase A [Bos taurus]
3.17	40.4	1010 - 1023	D.DLQAEEDKVNTLT.K.S		gi 296485174	myozenin 3 [Bos taurus]
-160.07	109.0	241 - 256	K.SYELPDGQVITIGNER.F		gi 297459506	PREDICTED: myosin, heavy polypeptide 6, cardiac muscle, alpha-like [Bos taurus]
-22.50	117.7	17 - 31	R.LSGGIDFNQPLVITR.I		gi 146327386	ACTA2 protein [Bos taurus]
22.15	34.7	36 - 48	K.DVFVPDDKEEFVK.A		gi 77736235	PDZ and LIM domain protein 3 [Bos taurus]
-9.85	31.5	90 - 97	K.LEPVPVQK.P		gi 296483595	myosin-7 [Bos taurus]
8.40	65.6	298 - 309	K.LKECCDKPLLEK.S	Propionamide : 4; Propionamide : 5	gi 116875781	PDZ and LIM domain 5 [Bos taurus]
1.03	75.1	190 - 205	K.CSELEELKNVTNNLK.S	Propionamide : 1	gi 74267962	ALB protein [Bos taurus]
7.28	74.0	767 - 777	K.AGLLGILLEEMR.D		gi 58652133	tropomyosin 3 [Bos taurus]
10.27	42.6	643 - 660	K.KGSSFQTVSALFRENLNK.L		gi 41386711	myosin, heavy chain 7, cardiac muscle, beta [Bos taurus]
-5.66	62.4	100 - 115	A.PEEHPTLLTEAPLNPK.A		gi 297486814	PREDICTED: myosin, heavy

						chain 8, skeletal muscle, perinatal [Bos taurus]
41.80	42.6	153 - 167	K.HIAEDSDRKYEEVAR.K		gi 146327386	ACTA2 protein [Bos taurus]
-56.86	28.9	322 - 326	A.PSTMK.I		gi 87196510	tropomyosin 2 (beta) [Bos taurus]
10.58	35.2	1461 - 1475	K.QKYEETHAELEASQK.E		gi 4501887	actin, gamma 1 propeptide [Homo sapiens]
-2.11	97.3	23 - 43	R.IVAPGKGILAADESTGSIKR.L		gi 41386691	myosin, heavy chain 1, skeletal muscle, adult [Bos taurus]
120.66	94.3	258 - 270	K.LASADIETYLLEK.S		gi 297461851	PREDICTED: tropomyosin 4 [Bos taurus]
-43.53	54.1	1564 - 1572	R.IQLELNQVK.S		gi 41386711	myosin, heavy chain 7, cardiac muscle, beta [Bos taurus]
28.20	65.8	1200 - 1217	K.KHADSVAEELGEQIDNLQR.V		gi 297486814	PREDICTED: myosin, heavy chain 8, skeletal muscle, perinatal [Bos taurus]
43.55	62.8	676 - 698	R.CIIPNETKTPGAMEHELVHQLR.C	Propionamide : 1	gi 261245063	myosin heavy chain IIa [Bos taurus]
-10.28	73.7	138 - 152	K.ALSSMGANYSSYLAK.A	Deamidated: 8	gi 119911910	PREDICTED: myosin, heavy chain 4, skeletal muscle [Bos taurus]
16.86	97.9	38 - 68	K.AAQSLSQGDLVVAIDGVNTDT MTHLEAQNK.I		gi 47824864	troponin T3, skeletal, fast [Bos taurus]
5.14	89.7	60 - 75	K.KLPGPVNLSEIQNIK.S		gi 296472045	LIM domain binding 3 [Bos taurus]
-1.15	74.4	313 - 326	R.MQKEITALAPSTMK.I		gi 83035111	small muscle protein, X-linked [Bos taurus]
17.72	33.0	179 - 192	R.LDLAGRDLTDYLMK.I		gi 22655316	beta-actin [Bos taurus]
9.03	24.6	135 -	K.ALELFRNDMAAQYK.V		gi 4501889	actin, gamma 2

		148				propeptide [Homo sapiens]
33.81	49.6	1761 - 1784	K.AITDAAMMAEELKKEQDTSAHLE R.M		gi 27806939	myoglobin [Bos taurus]
-10.57	52.2	156 - 166	K.ATEPVIAFYEK.R		gi 297486814	PREDICTED: myosin, heavy chain 8, skeletal muscle, perinatal [Bos taurus]
-11.76	65.9	1367 - 1375	K.ANSEVAQWR.T		gi 61888850	adenylate kinase 1 [Bos taurus]
-46.12	96.0	192 - 205	R.VIQYFATIAVTGEK.K		gi 297486816	PREDICTED: myosin, heavy chain 4, skeletal muscle [Bos taurus]
16.71	41.4	842 - 854	K.ELSATPSAQKVTK.S		gi 41386691	myosin, heavy chain 1, skeletal muscle, adult [Bos taurus]
-10.26	35.5	515 - 522	K.QLSDLNYK.A		gi 297471578	PREDICTED: titin [Bos taurus]
-9.43	51.6	1376 - 1393	R.TKYETDAIQRTEELEEK.K		gi 119887683	PREDICTED: nebulin [Bos taurus]
-11.76	65.9	1368 - 1376	K.ANSEVAQWR.T		gi 297486816	PREDICTED: myosin, heavy chain 4, skeletal muscle [Bos taurus]
7.02	69.9	56 - 69	K.IPEGEKVDFDDIQK.K		gi 119911910	PREDICTED: myosin, heavy chain 4, skeletal muscle [Bos taurus]
13.66	94.9	942 - 952	R.KLEDECSELKR.D	Propionamide : 6	gi 21038998	troponin T fast skeletal muscle type [Bos taurus]
-15.12	80.4	1718 - 1732	R.VQLLHTQNTSLINTK.K		gi 296483595	myosin-7 [Bos taurus]
24.29	65.9	1902 - 1912	K.LQHELEEAER.A		gi 75055812	Myosin-2 (Myosin heavy chain 2) (Myosin heavy chain 2a) (MyHC- 2a) (Myosin heavy chain, skeletal muscle,

						adult 2)
30.37	37.1	1681 - 1700	R.ANLLQAEIEELRATLEQTER.S		gi 76643943	PREDICTED: myosin, heavy chain 8, skeletal muscle, perinatal isoform 2 [Bos taurus]
10.21	59.8	1254 - 1271	R.ALEDQLSELKTKEDQQR.L		gi 297486814	PREDICTED: myosin, heavy chain 8, skeletal muscle, perinatal [Bos taurus]
15.18	30.4	1906 - 1922	D.EAEERADIAESQVNKL.R.A		gi 41386691	myosin, heavy chain 1, skeletal muscle, adult [Bos taurus]
3.09	77.2	17 - 31	R.LQGGKDFNMPLTISR.I		gi 297459506	PREDICTED: myosin, heavy polypeptide 6, cardiac muscle, alpha-like [Bos taurus]
-9.99	88.4	1402 - 1413	Q.DAEHVEAVNAK.C		gi 296472045	LIM domain binding 3 [Bos taurus]
-17.30	37.8	33004 - 33011	K.ALISEEIK.T		gi 41386691	myosin, heavy chain 1, skeletal muscle, adult [Bos taurus]
10.72	63.8	77 - 90	K.KATDAEADVASLNR.R		gi 297471578	PREDICTED: titin [Bos taurus]
-140.67	85.4	1115 - 1126	R.IEEEEEELEAER.T		gi 61888866	tropomyosin alpha-1 chain [Bos taurus]
-11.35	67.4	91 - 105	R.RIQLVEEELDRAQER.L		gi 296483595	myosin-7 [Bos taurus]
-7.95	54.2	114 - 122	D.AEELAEIFR.A		gi 58652133	tropomyosin 3 [Bos taurus]
19.70	37.5	973 - 994	K.HGNRGEPGPAGAVGPAGAVGPR .G	Deamidated: 3	gi 115496828	fast skeletal muscle troponin C [Bos taurus]
22.78	77.5	27 - 45	K.VAVLGASGGIGQPLSLLK.N		gi 27806257	collagen, type I, alpha 2 [Bos taurus]
-12.68	42.0	675 - 682	R.CIIPNETK.T	Propionamide : 1	gi 118572778	Malate dehydrogenase, mitochondrial

						precursor
2.89	47.0	30 - 41	P.RAVFPSIVGRPR.H		gi 297486816	PREDICTED: myosin, heavy chain 4, skeletal muscle [Bos taurus]
-25.56	51.6	1300 - 1308	K.EALVSQLSR.G		gi 61553131	alpha 2 actin [Bos taurus]
-38.71	100.2	148 - 162	K.ALSSMGANYSSYLAK.A		gi 261245063	myosin heavy chain IIa [Bos taurus]
-41.80	146.6	1154 - 1169	R.LEEAGGATSAQIEMNK.K		gi 21039000	troponin T fast skeletal muscle type [Bos taurus]
-33.61	70.7	17 - 29	P.GAEKVAGLSQIYK.M	Tyr->Dha: 12	gi 119911910	PREDICTED: myosin, heavy chain 4, skeletal muscle [Bos taurus]
-23.73	63.8	33 - 43	R.LDIDSPITAR.N		gi 76629303	PREDICTED: similar to T-cell leukemia virus enhancer factor isoform 2 [Bos taurus]
-15.13	61.5	1283 - 1291	K.ADIDISGPK.V		gi 194670470	PREDICTED: pyruvate kinase, muscle [Bos taurus]
-22.88	36.2	700 - 708	R.CNGVLEGIR.I	Propionamide : 1	gi 297492053	PREDICTED: AHNAK nucleoprotein [Bos taurus]
24.29	65.9	1902 - 1912	K.LQHELEAEER.A		gi 261245063	myosin heavy chain IIa [Bos taurus]
-12.56	62.5	128 - 139	K.FLANVSTVLTSK.Y		gi 41386691	myosin, heavy chain 1, skeletal muscle, adult [Bos taurus]
9.60	66.8	20 - 29	K.AGFAGDDAPR.A		gi 576142	Chain A, A Novel Allosteric Mechanism In Haemoglobin. Structure Of Bovine Deoxyhaemoglobi

						n, Absence Of Specific Chloride-Binding Sites And Origin Of The Chloride-Linked Bohr Effect In Bovine And Human Haemoglobin
2.82	101.9	1761 - 1775	K.KAITDAAMMAEELKK.E		gi 296482731	actin, gamma-enteric smooth muscle [Bos taurus]
9.36	54.7	1264 - 1282	K.FSMPGFKGEGPEVDVNLPK.A		gi 119911910	PREDICTED: myosin, heavy chain 4, skeletal muscle [Bos taurus]
24.32	51.3	1283 - 1294	R.GRLQTESGEFSR.Q		gi 297492053	PREDICTED: AHNAK nucleoprotein [Bos taurus]
6.58	45.7	57 - 78	R.GQAAGRPLVASVSLNVPASVRY.S		gi 75055812	Myosin-2 (Myosin heavy chain 2) (Myosin heavy chain 2a) (MyHC-2a) (Myosin heavy chain, skeletal muscle, adult 2)
-13.56	31.2	574 - 585	R.GQAGVMGFPGPK.G	F->DOPA: 8	gi 1351360	Cytochrome b-c1 complex subunit Rieske, mitochondrial precursor (Ubiquinol-cytochrome c reductase iron-sulfur subunit) (Rieske iron-sulfur protein) (RISP) (Complex III subunit 5) [Contains: Cytochrome b-c1 complex subunit 11 (Ubiquinol-

						cytochrome c reductase 8 kDa protein) (Complex III subunit IX)]
-11.67	56.1	112 - 129	K.GVLKADYIKEMLTQAER.F		gi 77404252	collagen, type I, alpha 1 [Bos taurus]
-23.73	64.0	67 - 77	R.LDIDSPITAR.N		gi 296478466	myosin regulatory light chain 2, ventricular/cardiac muscle isoform [Bos taurus]
-14.63	85.1	651 - 662	K.TALSTIAVATAK.A		gi 73587283	PKM2 protein [Bos taurus]
187.81	49.4	1703 - 1730	R.KIAEQELLDASERVQLLHTQNTSLI NTK.K		gi 297471578	PREDICTED: titin [Bos taurus]
8.59	44.9	750 - 762	K.LLASIDIDHTQYK.F		gi 297486814	PREDICTED: myosin, heavy chain 8, skeletal muscle, perinatal [Bos taurus]
-14.73	27.3	46 - 53	K.VDFDDIQK.K		gi 261245063	myosin heavy chain IIa [Bos taurus]
15.06	50.6	922 - 942	K.IKEVTERAEDEEEINAELTAK.K		gi 47824864	troponin T3, skeletal, fast [Bos taurus]
-14.61	27.5	5974 - 5980	K.DLEESIR.G		gi 41386691	myosin, heavy chain 1, skeletal muscle, adult [Bos taurus]
-11.76	65.9	1367 - 1375	K.ANSEVAQWR.T		gi 119887683	PREDICTED: nebulin [Bos taurus]
7.83	54.1	1900 - 1911	R.ADIAESQVNKL.R.A		gi 76643943	PREDICTED: myosin, heavy chain 8, skeletal muscle, perinatal isoform 2 [Bos taurus]
-18.98	62.5	169 - 178	K.LVILEGELER.S		gi 297479068	PREDICTED: myosin, heavy polypeptide 6, cardiac muscle, alpha-like [Bos taurus]
-44.70	47.9	31 - 39	V.FPSIVGRPR.H		gi 11875203	tropomyosin 2,

						beta [Mus musculus]
-7.99	54.4	1365 - 1373	K.ANSEVAQWR.T		gi 4501887	actin, gamma 1 propeptide [Homo sapiens]
12.60	66.8	1901 - 1912	R.KLQHELEEAER.A		gi 297459506	PREDICTED: myosin, heavy polypeptide 6, cardiac muscle, alpha-like [Bos taurus]
42.72	42.1	34 - 49	R.VELPSLIPVILEKPAK.I		gi 76643943	PREDICTED: myosin, heavy chain 8, skeletal muscle, perinatal isoform 2 [Bos taurus]
24.12	40.8	184 - 202	L.AQITGTEHLKESEADNTKK.A		gi 115496556	smooth muscle and non-muscle myosin alkali light chain 6B [Bos taurus]
7.85	63.1	17 - 37	R.TFGGAPSFPLGSPLSSPVFPR.A		gi 116875781	PDZ and LIM domain 5 [Bos taurus]
5.97	65.4	1703 - 1715	R.KIAEQELLDASER.V		gi 2959456	desmin [Bos taurus]
30.13	55.8	1717 - 1732	R.VQLLHTQNTSLINTKK.K		gi 297486814	PREDICTED: myosin, heavy chain 8, skeletal muscle, perinatal [Bos taurus]
-16.51	37.4	716 - 722	R.ILYADFK.Q		gi 119911910	PREDICTED: myosin, heavy chain 4, skeletal muscle [Bos taurus]
-4.70	69.1	207 - 223	R.AGTPFVPELTSGLELLR.L		gi 41386691	myosin, heavy chain 1, skeletal muscle, adult [Bos taurus]
-63.34	86.2	252 - 264	K.TIDDLEDEVYAQK.M		gi 118151164	myozenin-3 [Bos taurus]
5.97	65.2	1703 - 1715	R.KIAEQELLDASER.V		gi 87196510	tropomyosin 2 (beta) [Bos taurus]
-22.63	86.7	44 - 56	R.NTGIICTIGPASR.A	Propionamide	gi 41386691	myosin, heavy

				: 6		chain 1, skeletal muscle, adult [Bos taurus]
-4.75	98.1	1199 - 1215	K.HADSV AELGEQIDNLQR.V		gi 194670470	PREDICTED: pyruvate kinase, muscle [Bos taurus]
15.58	32.2	450 - 464	T.TTAVHIQPAHEQIRK.E		gi 297486814	PREDICTED: myosin, heavy chain 8, skeletal muscle, perinatal [Bos taurus]
0.25	50.0	71 - 80	R.VYINLDKETK.T		gi 297471578	PREDICTED: titin [Bos taurus]
11.19	55.6	29 - 44	K.KLSVPQDLMMEELSLR.N		gi 233597	13 kDa-A polypeptide of iron-sulfur protein fraction of NADH:ubiquinone oxidoreductase [cattle, heart, Peptide Mitochondrial Partial, 96 aa]
-15.77	27.6	218 - 224	K.YDITNLR.S		gi 118151164	myozenin-3 [Bos taurus]
20.45	97.6	947 - 957	R.KLEDECSELKK.D	Propionamide : 6	gi 47824864	troponin T3, skeletal, fast [Bos taurus]
63.32	37.7	53 - 78	R.ESLRGQAAGRPLVASVSLNVPASVRY.S		gi 261245063	myosin heavy chain IIa [Bos taurus]
-14.80	41.2	943 - 953	K.DIDDLELTLAK.V		gi 1351360	Cytochrome b-c1 complex subunit Rieske, mitochondrial precursor (Ubiquinol-cytochrome c reductase iron-sulfur subunit) (Rieske iron-sulfur protein) (RISP) (Complex III subunit 5) [Contains:

						Cytochrome b-c1 complex subunit 11 (Ubiquinol-cytochrome c reductase 8 kDa protein) (Complex III subunit IX)]
-16.88	70.6	41 - 51	R.HQGVMMVGMGQK.D		gi 297479068	PREDICTED: myosin, heavy polypeptide 6, cardiac muscle, alpha-like [Bos taurus]
2.99	58.4	1062 - 1083	K.SGDRGETGPAGPAGPIGPVGAR.G		gi 194676388	PREDICTED: similar to Actin, cytoplasmic 2 (Beta-actin-2) [Bos taurus]
36.00	61.9	1734 - 1754	K.KLETDITQIQGEMEDILQEAR.N	Deamidated: 10; Oxidation: 3	gi 77404252	collagen, type I, alpha 1 [Bos taurus]
8.21	67.4	1002 - 1026	K.ALQEAHQQTDDLQAEEDKVNTLTK.S		gi 261245063	myosin heavy chain IIa [Bos taurus]
-14.82	39.6	574 - 585	R.GQAGVMGFPGPK.G	Oxidation: 6; Oxidation: 8	gi 119911910	PREDICTED: myosin, heavy chain 4, skeletal muscle [Bos taurus]
-13.45	54.5	532 - 545	D.PQVMLAPLISIALK.V		gi 77404252	collagen, type I, alpha 1 [Bos taurus]
-44.97	31.2	241 - 256	K.SYELPDGQVITIGNER.F	Deamidated: 8	gi 116004023	phosphoglucose 1 [Bos taurus]
-9.43	51.6	1377 - 1394	R.TKYETDAIQRTEEELEAK.K		gi 4501881	actin, alpha 1, skeletal muscle [Homo sapiens]
-44.70	47.9	31 - 39	V.FPSIVGRPR.H		gi 119911910	PREDICTED: myosin, heavy chain 4, skeletal muscle [Bos taurus]
40.91	31.4	1850 - 1862	R.VKELTYQTEEDRK.N		gi 22655316	beta-actin [Bos taurus]
0.16	35.7	36 - 49	R.CKQLEEEQQALQKK.L	Deamidated: 3;	gi 297486816	PREDICTED: myosin, heavy

				Propionamide :		chain 4, skeletal muscle [Bos taurus]
7.54	26.1	161 - 183	R.GGAAGTPGVGETGTDNQAGGEG K.H	Deamidated: 16	gi 11875203	tropomyosin 2, beta [Mus musculus]
11.33	35.8	9 - 20	K.HFIQSQNPCGSR.L	Propionamide : 9	gi 113911880	MYOZ1 protein [Bos taurus]
197.82	101.8	42 - 64	R.HQGVMVGMGQKDSYVGDEAQS KR.G		gi 296485311	myotilin [Bos taurus]
5.38	78.0	1196 - 1212	K.HADSVAEELSEQIDNLQR.V		gi 4501881	actin, alpha 1, skeletal muscle [Homo sapiens]
-0.70	111.4	1622 - 1639	K.KMEGDLNEMEIQLNHANR.M		gi 41386711	myosin, heavy chain 7, cardiac muscle, beta [Bos taurus]
1.90	84.0	695 - 710	K.KAEAVATVVAAVDQAR.V		gi 261245063	myosin heavy chain IIa [Bos taurus]
12.77	68.4	80 - 95	K.DLMELQALIDSHFEAR.K		gi 297465038	PREDICTED: titin [Bos taurus]
-6.58	44.6	156 - 170	K.NICYVITHGDAKDQE.-	Propionamide : 3	gi 75054140	RecName: Full=Troponin T, fast skeletal muscle; Short=TnTf
-0.70	111.4	1620 - 1637	K.KMEGDLNEMEIQLNHANR.L		gi 115497166	fast skeletal myosin light chain 2 [Bos taurus]
1.37	47.4	26 - 39	K.LGGVQFDIDLPNKK.V		gi 76643943	PREDICTED: myosin, heavy chain 8, skeletal muscle, perinatal isoform 2 [Bos taurus]
-71.69	84.6	1120 - 1131	R.IEEEEIEAER.A		gi 57164249	SA hypertension-associated homolog [Ovis aries]
3.27	87.0	1186 - 1202	K.HADSVAEELGEQIDNLQR.V		gi 75055812	Myosin-2 (Myosin heavy chain 2) (Myosin heavy chain 2a) (MyHC-2a) (Myosin heavy chain, skeletal muscle,

						adult 2)
3.60	64.4	1759 - 1772	K.AITDAAMMAEELKK.E		gi 297479068	PREDICTED: myosin, heavy polypeptide 6, cardiac muscle, alpha-like [Bos taurus]
-4.75	97.9	1199 - 1215	K.HADSVaelGEQIDNLQR.V		gi 297459506	PREDICTED: myosin, heavy polypeptide 6, cardiac muscle, alpha-like [Bos taurus]
-14.73	27.3	62 - 69	K.VDFDDIQK.K		gi 76643943	PREDICTED: myosin, heavy chain 8, skeletal muscle, perinatal isoform 2 [Bos taurus]
8.01	40.8	69 - 82	K.IKSASYNLSLTQK.S		gi 21038998	troponin T fast skeletal muscle type [Bos taurus]
3.33	44.3	976 - 992	K.VKNLTEEMAGLDEIIAK.L		gi 296472045	LIM domain binding 3 [Bos taurus]
14.66	43.1	252 - 266	K.NQNKPEDEADDWARR.S		gi 297459506	PREDICTED: myosin, heavy polypeptide 6, cardiac muscle, alpha-like [Bos taurus]
-41.25	97.6	1598 - 1611	R.VVESMQTMLDAEIR.S		gi 296472045	LIM domain binding 3 [Bos taurus]
19.12	68.0	1177 - 1193	R.DLEEATLQHEATAAALR.K		gi 261245063	myosin heavy chain IIa [Bos taurus]
33.75	26.9	153 - 169	K.KALSSMGANYSSYLAKA.D	Dehydrated: 4; Dehydrated: 5; Oxidation: 6; Oxidation: 0; Dehydrated: 1	gi 296483595	myosin-7 [Bos taurus]
197.82	101.8	42 - 64	R.HQGVMMVGMGQKDSYVGDEAQS KR.G		gi 21038998	troponin T fast skeletal muscle type [Bos taurus]

29.11	40.0	79 - 96	D.EESYTVFKDLFDPIIQDR.H		gi 4885049	cardiac muscle alpha actin 1 proprotein [Homo sapiens]
-46.03	65.9	316 - 326	K.EITALAPSTMK.I		gi 4838363	creatine kinase M chain [Bos taurus]
-0.69	69.8	680 - 694	K.SPGVIDNPLVMHQLR.C		gi 4501887	actin, gamma 1 propeptide [Homo sapiens]
7.85	93.3	644 - 655	K.GSSFQTVSALFR.E		gi 41386711	myosin, heavy chain 7, cardiac muscle, beta [Bos taurus]
-18.56	21.9	184 - 191	R.DLTDYLMK.I		gi 76643943	PREDICTED: myosin, heavy chain 8, skeletal muscle, perinatal isoform 2 [Bos taurus]
-26.84	43.5	1087 - 1096	K.EFEMSNLQSK.I		gi 22655316	beta-actin [Bos taurus]
110.07	68.9	71 - 90	K.RQNKDLMELQALIDSHFEAR.K		gi 41386691	myosin, heavy chain 1, skeletal muscle, adult [Bos taurus]
-41.64	46.8	53 - 63	K.DSYVGDEAQSK.R		gi 21038998	troponin T fast skeletal muscle type [Bos taurus]
20.87	53.4	63 - 83	K.KYEVLLALLYHEPPEDDKASQR.Q		gi 4501881	actin, alpha 1, skeletal muscle [Homo sapiens]
-18.56	21.9	186 - 193	R.DLTDYLMK.I		gi 118150866	calsequestrin 1 [Bos taurus]
-16.17	42.9	192 - 200	R.HVLATLGEK.L		gi 4501881	actin, alpha 1, skeletal muscle [Homo sapiens]
-41.64	46.8	51 - 61	K.DSYVGDEAQSK.R		gi 194677365	PREDICTED: myosin, light chain 3, alkali; ventricular, skeletal, slow [Bos taurus]
7.07	39.0	32721 - 32733	K.AVPPTETKPTPE.K		gi 4501887	actin, gamma 1 propeptide [Homo sapiens]
5.88	65.6	18 - 34	R.LQGGKDFNMPLTISSLK.D		gi 297471578	PREDICTED: titin [Bos taurus]

6.73	66.4	43 - 60	R.DGIIDKEDLRDTFAAMGR.L		gi 116875781	PDZ and LIM domain 5 [Bos taurus]
-16.88	70.6	42 - 52	R.HQGVMMVGMGQK.D		gi 115497166	fast skeletal myosin light chain 2 [Bos taurus]
-3.66	72.2	1489 - 1503	K.NAYEESLDQLETLKR.E		gi 27819614	actin, alpha 1, skeletal muscle [Bos taurus]
-12.68	42.0	675 - 682	R.CIIPNETK.T	Propionamide : 1	gi 297486816	PREDICTED: myosin, heavy chain 4, skeletal muscle [Bos taurus]
0.88	63.3	163 - 176	R.ALPFWNDEIAPQIK.A		gi 76643943	PREDICTED: myosin, heavy chain 8, skeletal muscle, perinatal isoform 2 [Bos taurus]
21.83	56.0	359 - 375	W.ITKQEYDEAGPSIVHRK.C		gi 296475149	phosphoglycerate mutase 2 [Bos taurus]
-12.27	55.0	21 - 36	R.LQPPGPPEISSYSQTK.Q		gi 134024776	Actin, alpha 1, skeletal muscle [Bos taurus]
2.62	54.2	312 - 325	R.MQKEITALAPSTMK.I		gi 296485311	myotilin [Bos taurus]
-36.70	72.9	75 - 85	K.ITYGQCGDVL.R.A	Propionamide : 6	gi 157878210	Chain A, Structure Of Bovine Beta-Actin-Profilein Complex With Actin Bound Atp Phosphates Solvent Accessible
7.91	54.0	33 - 43	R.LFTGHPETLEK.F		gi 270483786	myosin light chain 3 [Bos taurus]
-18.75	41.3	1476 - 1483	R.SLSTELFK.L		gi 73586735	Myoglobin [Bos taurus]
34.03	96.6	42 - 64	R.HQGVMMVGMGQKDSYVGDEAQS KR.G		gi 41386711	myosin, heavy chain 7, cardiac muscle, beta [Bos taurus]
18.13	67.9	106 - 125	R.LATALQKLEEAKEKADESER.G		gi 4501883	alpha 2 actin [Homo sapiens]

-6.29	97.1	701 - 717	K.VSPNPELLSLLQNSEGK.K		gi 155372051	hypothetical protein LOC535277 [Bos taurus]
-17.50	51.3	171 - 188	R.DGRGAAQNIIPASTGAAK.A		gi 139948281	synaptopodin 2 [Bos taurus]
-15.78	68.2	1116 - 1127	R.IEEEEEELEAER.T		gi 89573947	glyceraldehyde-3-phosphate dehydrogenase [Bos taurus]
10.27	42.5	643 - 660	K.KGSSFQTVSALFRENLNK.L		gi 297459506	PREDICTED: myosin, heavy polypeptide 6, cardiac muscle, alpha-like [Bos taurus]
-15.77	27.6	228 - 234	K.YDITNLR.S		gi 297486816	PREDICTED: myosin, heavy chain 4, skeletal muscle [Bos taurus]
-18.75	41.4	1479 - 1486	R.SLSTELFK.V		gi 21039002	troponin T fast skeletal muscle type [Bos taurus]
40.91	31.4	1850 - 1862	K.VKELTYQTEEDRK.N		gi 297486814	PREDICTED: myosin, heavy chain 8, skeletal muscle, perinatal [Bos taurus]
16.97	84.7	40 - 61	R.HQGVMVGMGQKDSYVGDEAQS K.R		gi 76643943	PREDICTED: myosin, heavy chain 8, skeletal muscle, perinatal isoform 2 [Bos taurus]
16.97	84.7	41 - 62	R.HQGVMVGMGQKDSYVGDEAQS K.R		gi 4501887	actin, gamma 1 propeptide [Homo sapiens]
5.67	72.8	1761 - 1774	K.AITDAAMMAEELKK.E		gi 4501889	actin, gamma 2 propeptide [Homo sapiens]
42.37	44.1	677 - 699	R.CIIPNETKTPGAMEHELVLHQLR.C	Propionamide : 1	gi 297486814	PREDICTED: myosin, heavy chain 8, skeletal muscle, perinatal [Bos taurus]
-15.84	40.7	33 - 40	K.ALTLEIYK.K		gi 75055812	Myosin-2 (Myosin

						heavy chain 2) (Myosin heavy chain 2a) (MyHC- 2a) (Myosin heavy chain, skeletal muscle, adult 2)
-56.86	28.9	322 - 326	A.PSTMK.I		gi 4838363	creatine kinase M chain [Bos taurus]
-16.51	37.4	717 - 723	R.ILYADFK.Q		gi 22655316	beta-actin [Bos taurus]
-21.75	34.6	2295 - 2308	R.GVAGVPAEFSIWTR.E		gi 119911910	PREDICTED: myosin, heavy chain 4, skeletal muscle [Bos taurus]
2.82	60.4	185 - 201	R.AQLGGPEAGKSEQPENK.-		gi 332801058	filamin-C [Bos taurus]
17.17	63.1	640 - 652	K.KGSSFQTVSALHR.E		gi 85542053	Heat shock protein beta-1 (HspB1) (Heat shock 27 kDa protein) (HSP 27)
-3.66	72.2	1491 - 1505	K.NAYEESLDQLETLKR.E		gi 41386711	myosin, heavy chain 7, cardiac muscle, beta [Bos taurus]
7.02	69.9	50 - 63	K.IPEGEKVDFDDIQK.K		gi 261245063	myosin heavy chain IIa [Bos taurus]
292.32	95.6	1734 - 1754	K.KLETDITQIQGEMEDILQEAR.N		gi 21039002	troponin T fast skeletal muscle type [Bos taurus]
-0.70	111.4	1621 - 1638	K.KMEGDLNEMEIQLNHANR.Q		gi 261245063	myosin heavy chain IIa [Bos taurus]
-6.05	44.5	87 - 96	K.DLFDPIIQDR.H		gi 119911910	PREDICTED: myosin, heavy chain 4, skeletal muscle [Bos taurus]
12.53	60.3	1400 - 1413	R.LQDAEEHVEAVNAK.C	Deamidated: 12	gi 60097925	muscle creatine kinase [Bos taurus]
-12.25	56.2	37 - 57	K.EISHDPSLKPWTASYDPGSAK.T		gi 41386691	myosin, heavy chain 1, skeletal muscle, adult

						[Bos taurus]
-9.43	51.6	1376 - 1393	R.TKYETDAIQRTEEELEAK.K		gi 77735829	carbonic anhydrase III, muscle specific [Bos taurus]
-43.73	87.3	727 - 742	K.VLNASAIPEGQFIDSK.K		gi 41386691	myosin, heavy chain 1, skeletal muscle, adult [Bos taurus]
3.38	75.1	3 - 18	X.TLGSFFGSLPGFSAAR.N		gi 297486816	PREDICTED: myosin, heavy chain 4, skeletal muscle [Bos taurus]
-1.53	101.7	207 - 219	K.VELGIDLLAYGAK.A		gi 297476804	PREDICTED: perilipin 4 [Bos taurus]
-5.66	62.2	99 - 114	A.PEEHPTLLTEAPLNPK.A		gi 113911880	MYOZ1 protein [Bos taurus]
1.54	58.7	20 - 29	K.AGFAGDDAPR.A		gi 296482731	actin, gamma-enteric smooth muscle [Bos taurus]
-38.15	58.3	1256 - 1265	R.TLEDQVNELK.S		gi 4501889	actin, gamma 2 propeptide [Homo sapiens]
-24.93	89.3	1293 - 1306	R.QLDEKDALVSQLSR.G		gi 75055812	Myosin-2 (Myosin heavy chain 2) (Myosin heavy chain 2a) (MyHC-2a) (Myosin heavy chain, skeletal muscle, adult 2)
103.19	48.6	314 - 330	K.LRNWHHGLSAQILNVKS.-		gi 41386691	myosin, heavy chain 1, skeletal muscle, adult [Bos taurus]
10.19	63.5	1579 - 1591	K.IAEKDDEIDQLKR.N		gi 296472045	LIM domain binding 3 [Bos taurus]
-3.43	71.2	33021 - 33035	K.LALKEEASTVLISEK.V		gi 41386691	myosin, heavy chain 1, skeletal muscle, adult [Bos taurus]
6.43	80.7	17 - 37	R.TFGGAPSFPLGSPLSSPVFPR.A		gi 297471578	PREDICTED: titin [Bos taurus]

10.87	45.9	511 - 528	R.AVGVPSPREPDAAQTDGLR.T		gi 126158909	desmin [Bos taurus]
17.67	34.5	175 - 194	K.NFGPTGIGFGGLTHQVEK.D-		gi 139948281	synaptopodin 2 [Bos taurus]
-4.16	101.9	1762 - 1776	K.KAITDAAMMAEELKK.E		gi 67010009	cysteine and glycine-rich protein 3 [Bos taurus]
24.63	48.2	44 - 69	R.DKETPSGFTLDDVIQTGVDNPGH PFI.M		gi 75055812	Myosin-2 (Myosin heavy chain 2) (Myosin heavy chain 2a) (MyHC-2a) (Myosin heavy chain, skeletal muscle, adult 2)
18.90	36.3	354 - 366	R.ISNRPAFMPSEGK.M		gi 60097925	muscle creatine kinase [Bos taurus]
29.40	31.2	42 - 69	K.LRDKETPSGFTLDDVIQTGVDNPG HPFI.M		gi 296472241	alpha-actinin-2 [Bos taurus]
-9.98	62.2	1308 - 1321	R.GKQAFQTQQIEELKR.Q		gi 4838363	creatine kinase M chain [Bos taurus]
18.27	34.8	18 - 38	R.LQGGKDFNMPLTISSLKDGGK.A		gi 119911910	PREDICTED: myosin, heavy chain 4, skeletal muscle [Bos taurus]
-3.64	52.8	6375 - 6386	K.ATPTPVTPEMER.A		gi 116875781	PDZ and LIM domain 5 [Bos taurus]
160.13	108.2	240 - 255	K.SYELPDGQVITIGNER.F		gi 119887683	PREDICTED: nebulin [Bos taurus]
15.63	44.1	53 - 76	K.ADMNTFPNFTFEDPKFEVVEKPQ S.-		gi 4501889	actin, gamma 2 propeptide [Homo sapiens]
-22.61	88.0	1309 - 1322	R.GKQAFQTQQIEELKR.Q		gi 268612219	Chain V, The Structure Of The Membrane Extrinsic Region Of Bovine Atp Synthase
10.07	33.1	105 - 119	K.GKPYAITTDTPELRR.I		gi 75055812	Myosin-2 (Myosin heavy chain 2) (Myosin heavy chain 2a) (MyHC-

						2a) (Myosin heavy chain, skeletal muscle, adult 2)
25.96	26.3	1657 - 1681	K.DTQIHLDDALRGQEDLKEQLAMV ER.R	Deamidated: 3	gi 119887683	PREDICTED: nebulin [Bos taurus]
-22.88	36.2	698 - 706	R.CNGVLEGIR.I	Propionamide : 1	gi 261245063	myosin heavy chain IIa [Bos taurus]
12.24	48.7	106 - 118	R.LATALQKLEEA EK.A		gi 297486816	PREDICTED: myosin, heavy chain 4, skeletal muscle [Bos taurus]
9.45	41.3	284 - 297	G.TEYMQDPDEEALRR.S		gi 87196510	tropomyosin 2 (beta) [Bos taurus]
-21.96	66.6	1182 - 1199	R.DLEEATLQHEATAAALRK.K		gi 296472045	LIM domain binding 3 [Bos taurus]
21.27	31.7	184 - 202	L.AQITGTEHLKESEADNTKK.A	Deamidated: 16	gi 75055812	Myosin-2 (Myosin heavy chain 2) (Myosin heavy chain 2a) (MyHC-2a) (Myosin heavy chain, skeletal muscle, adult 2)
30.13	55.9	1716 - 1731	R.VQLLHTQNTSLINTKK.K		gi 116875781	PDZ and LIM domain 5 [Bos taurus]
-11.50	61.2	134 - 144	K.QVIGTGSFFPK.G		gi 297486814	PREDICTED: myosin, heavy chain 8, skeletal muscle, perinatal [Bos taurus]
17.28	40.4	1951 - 1959	L.KTCTLDDL R.E	Didehydro: 2; Propionamide : 3	gi 77735635	four and a half LIM domains 1 isoform 3 [Bos taurus]
-40.64	86.6	349 - 364	K.AGAAASESLFISNHAY.-		gi 297459636	PREDICTED: vacuolar protein sorting 13C protein isoform 2 [Bos taurus]
2.10	41.4	85 - 95	K.IWHHTFYNELR.V		gi 156120479	aldolase A [Bos

						taurus]
-5.72	31.2	7 - 14	K.FFVGGNWK.M		gi 4501887	actin, gamma 1 propeptide [Homo sapiens]
6.92	51.1	36 - 48	K.DVFVPDDKEEFVK.A		gi 61888856	triosephosphate isomerase 1 [Bos taurus]
-13.42	43.4	446 - 458	R.DGEVVSEATQQQH.E		gi 41386711	myosin, heavy chain 7, cardiac muscle, beta [Bos taurus]
-21.98	85.0	1181 - 1198	R.RDLEEATLQHEATAAALR.K		gi 2959452	desmin [Bos taurus]
120.66	91.2	261 - 273	K.LASADIETYLLEK.S		gi 75055812	Myosin-2 (Myosin heavy chain 2) (Myosin heavy chain 2a) (MyHC-2a) (Myosin heavy chain, skeletal muscle, adult 2)
-0.06	49.9	37 - 48	D.VFVPDDKEEFVK.A		gi 297486814	PREDICTED: myosin, heavy chain 8, skeletal muscle, perinatal [Bos taurus]
-4.33	29.3	464 - 478	K.GFFPQTITQEYEAIK.K		gi 41386711	myosin, heavy chain 7, cardiac muscle, beta [Bos taurus]
-0.49	63.0	53 - 64	K.DSYVGDEAQSQR.G		gi 119887683	PREDICTED: nebulin [Bos taurus]
24.88	31.4	474 - 487	K.VVVAADKAKEQEVK.A		gi 4501881	actin, alpha 1, skeletal muscle [Homo sapiens]
-3.34	63.7	1716 - 1730	R.VQLLHTQNTSLINTK.K		gi 297471578	PREDICTED: titin [Bos taurus]
-4.02	51.8	78 - 91	K.ATDAEADVASLNRR.I		gi 297486816	PREDICTED: myosin, heavy chain 4, skeletal muscle [Bos taurus]
3.47	55.5	128 - 142	K.NKDTGTYEDFVEGLR.V		gi 87196510	tropomyosin 2 (beta) [Bos taurus]
2.16	80.6	143 -	R.VFDKEGNGTVMGAELR.H	Deamidated:	gi 270483786	myosin light chain

		158		7		3 [Bos taurus]
-0.49	63.0	53 - 64	K.DSYVGDEAQSKR.G		gi 270483786	myosin light chain 3 [Bos taurus]
6.02	61.1	106 - 118	R.LATALQKLEEA EK.A		gi 4885049	cardiac muscle alpha actin 1 proprotein [Homo sapiens]
12.60	66.9	1901 - 1912	R.KLQHELEEA EER.A		gi 61888866	tropomyosin alpha-1 chain [Bos taurus]
-24.93	89.5	1293 - 1306	R.QLDEKDALVSQLSR.T		gi 297486814	PREDICTED: myosin, heavy chain 8, skeletal muscle, perinatal [Bos taurus]
-18.68	58.0	1274 - 1282	R.LINDLTTQR.G		gi 297486814	PREDICTED: myosin, heavy chain 8, skeletal muscle, perinatal [Bos taurus]
-75.13	79.0	1120 - 1131	R.IEEEEIEAER.A		gi 261245063	myosin heavy chain IIa [Bos taurus]
-37.59	68.1	1182 - 1198	R.DLEEATLQHEATAAALR.K		gi 261245063	myosin heavy chain IIa [Bos taurus]
5.67	66.9	1758 - 1771	K.AITDAAMMAEELKK.E		gi 75055812	Myosin-2 (Myosin heavy chain 2) (Myosin heavy chain 2a) (MyHC-2a) (Myosin heavy chain, skeletal muscle, adult 2)
-9.96	76.0	157 - 171	K.LGDVYVNDAFGTAHR.A		gi 41386711	myosin, heavy chain 7, cardiac muscle, beta [Bos taurus]
104.15	80.3	60 - 79	K.KLPGPVNLSEIQNIKSELK.Y		gi 61553721	phosphoglycerate kinase 1 [Bos taurus]
5.73	40.7	493 - 510	R.GFPGADGVAGPKGPAGER.G	Oxidation: 2	gi 83035111	small muscle protein, X-linked [Bos taurus]
30.47	60.4	1198 - 1216	R.KKHADSV AELGEQIDNLQR.V		gi 77404252	collagen, type I, alpha 1 [Bos taurus]

24.49	61.3	46 - 69	R.IGDVVLSIDGISAHGMTHLEAQNK.I		gi 119911910	PREDICTED: myosin, heavy chain 4, skeletal muscle [Bos taurus]
-56.86	28.9	324 - 328	A.PSTMK.I		gi 116875781	PDZ and LIM domain 5 [Bos taurus]
-18.56	21.9	184 - 191	R.DLTDYLMK.I		gi 4885049	cardiac muscle alpha actin 1 proprotein [Homo sapiens]
28.20	65.8	1198 - 1215	K.KHADSVaelGEQIDNLQR.V		gi 4501887	actin, gamma 1 propeptide [Homo sapiens]
10.05	65.5	252 - 265	K.NQNKPEDEADDWAR.R		gi 76643943	PREDICTED: myosin, heavy chain 8, skeletal muscle, perinatal isoform 2 [Bos taurus]
6.02	61.1	106 - 118	R.LATALQKLEEAek.A		gi 296472045	LIM domain binding 3 [Bos taurus]
20.03	35.1	770 - 780	K.AGLLGlleEMR.D	Oxidation: 10	gi 11875203	tropomyosin 2, beta [Mus musculus]
-9.18	48.2	92 - 105	R.IQLVEEELDRAQER.L		gi 41386691	myosin, heavy chain 1, skeletal muscle, adult [Bos taurus]
17.64	31.9	38 - 49	K.QLEEEQqALQKK.L		gi 87196510	tropomyosin 2 (beta) [Bos taurus]
-22.63	86.8	78 - 90	R.NTGIICTIGPASR.A	Propionamide : 6	gi 87196510	tropomyosin 2 (beta) [Bos taurus]
12.21	74.0	1264 - 1282	K.FSMPGFKGEGPEVDVNLpk.A		gi 73587283	PKM2 protein [Bos taurus]
-55.25	47.1	68 - 76	R.VVFDDTYDR.S		gi 297464894	PREDICTED: AHNak nucleoprotein isoform 1 [Bos taurus]
24.73	79.9	187 - 206	R.NFNKTPMPFGGPLVGETLPR.A		gi 77735829	carbonic anhydrase III, muscle specific

						[Bos taurus]
-43.53	54.0	1565 - 1573	R.IQLELNQVK.S		gi 118151164	myozenin-3 [Bos taurus]
41.06	50.1	53 - 64	K.DSYVGDEAQSKR.G		gi 119911910	PREDICTED: myosin, heavy chain 4, skeletal muscle [Bos taurus]
-6.19	41.8	92 - 105	R.IQLVEEELDRAQER.L		gi 146327386	ACTA2 protein [Bos taurus]
160.13	108.2	239 - 254	X.SYELPDGQVITIGNER.F		gi 58652133	tropomyosin 3 [Bos taurus]
-0.39	26.5	371 - 386	K.QREEQAEPDGTEVADK.A		gi 22655316	beta-actin [Bos taurus]
17.25	48.7	567 - 581	K.KFDIKVDAIPLLA.A		gi 297486814	PREDICTED: myosin, heavy chain 8, skeletal muscle, perinatal [Bos taurus]
5.08	49.0	96 - 106	R.KKEEEELVALK.E		gi 119887683	PREDICTED: nebulin [Bos taurus]
3.29	49.6	1120 - 1134	R.IEEEEIEAERASR.A		gi 75054140	RecName: Full=Troponin T, fast skeletal muscle; Short=TnTf
27.64	51.0	1822 - 1835	R.VRELEGEVESEQKR.N		gi 261245063	myosin heavy chain IIa [Bos taurus]
1.36	35.9	76 - 86	K.FMTPYIAHSQK.M		gi 76643943	PREDICTED: myosin, heavy chain 8, skeletal muscle, perinatal isoform 2 [Bos taurus]
-19.74	94.3	349 - 364	K.AGAAASESLFISNHAY.-	Deamidated: 13	gi 119887683	PREDICTED: nebulin [Bos taurus]
-3.34	63.7	1716 - 1730	R.VQLLHTQNTSLINTK.K		gi 156120479	aldolase A [Bos taurus]
-51.67	45.6	1274 - 1282	R.LINDLTTQR.G	Deamidated: 3	gi 76643943	PREDICTED: myosin, heavy chain 8, skeletal muscle, perinatal isoform 2 [Bos taurus]

25.48	59.3	72 - 90	R.QNKDLMELQALIDSHFEAR.K		gi 75055812	Myosin-2 (Myosin heavy chain 2) (Myosin heavy chain 2a) (MyHC-2a) (Myosin heavy chain, skeletal muscle, adult 2)
-5.96	39.3	161 - 171	R.LIEDTEDWRPR.T		gi 21038998	troponin T fast skeletal muscle type [Bos taurus]
7.29	27.2	1449 - 1458	R.NFDKILAEWK.Q		gi 116875781	PDZ and LIM domain 5 [Bos taurus]
1.27	81.0	36 - 48	R.CKQLEEEQQALQK.K	Propionamide : 1	gi 297459506	PREDICTED: myosin, heavy polypeptide 6, cardiac muscle, alpha-like [Bos taurus]
197.82	101.8	40 - 62	R.HQGVMVGMGQKDSYVGDEAQS KR.G		gi 11875203	tropomyosin 2, beta [Mus musculus]
-4.70	69.1	207 - 223	R.AGTPFVPELTSGLELLR.L		gi 4501887	actin, gamma 1 propeptide [Homo sapiens]
9.37	45.3	10924 - 10941	K.KVPEKPAVPEKVELTPLK.V		gi 296485174	myozenin 3 [Bos taurus]
-3.34	63.7	1718 - 1732	R.VQLLHTQNTSLINTK.K		gi 297465038	PREDICTED: titin [Bos taurus]
17.11	42.6	79 - 91	R.ALGTNPNTNAEVKK.V		gi 261245063	myosin heavy chain IIa [Bos taurus]
1.44	49.9	175 - 189	R.RKPLNIDHLSSEDKLR.D		gi 118601750	fast skeletal myosin alkali light chain 1 [Bos taurus]
-4.01	74.0	1182 - 1199	R.DLEEATLQHEATAAALRK.K		gi 47824864	troponin T3, skeletal, fast [Bos taurus]
17.72	33.0	178 - 191	R.LDLAGRDLTDYLMK.I		gi 261245063	myosin heavy chain IIa [Bos taurus]
33.81	49.4	1761 - 1784	K.AITDAAMMAEELKKEQDTSAHLE R.M		gi 22655316	beta-actin [Bos taurus]
9.09	41.5	701 -	K.VSPNPELLSLLQNSEGKK.G		gi 297486816	PREDICTED:

		718				myosin, heavy chain 4, skeletal muscle [Bos taurus]
-12.24	30.2	35 - 41	L.TLEIYKK.L		gi 139948281	synaptopodin 2 [Bos taurus]
-13.46	36.8	1466 - 1473	R.SLSTELFK.L		gi 4838363	creatine kinase M chain [Bos taurus]
11.07	72.0	1734 - 1754	K.KLETDITQIQGEMEDILQEAR.N	Oxidation: 13	gi 297479068	PREDICTED: myosin, heavy polypeptide 6, cardiac muscle, alpha-like [Bos taurus]
21.62	47.8	194 - 212	K.ELWDTLYQLETDKFEYGEK.L		gi 261245063	myosin heavy chain IIa [Bos taurus]
15.61	83.0	1001 - 1026	K.KALQEAHQQTLLDLQAEEDKVNT LTK.S		gi 21039004	troponin T fast skeletal muscle type [Bos taurus]
-37.89	62.4	1285 - 1294	R.LQTESGEFSR.Q		gi 119911910	PREDICTED: myosin, heavy chain 4, skeletal muscle [Bos taurus]
30.47	60.4	1197 - 1215	R.KKHADSVaelGEQIDNLQR.V		gi 75055812	Myosin-2 (Myosin heavy chain 2) (Myosin heavy chain 2a) (MyHC-2a) (Myosin heavy chain, skeletal muscle, adult 2)
0.35	84.7	1509 - 1527	K.NLQQEISDLTEQIAEGGKR.M	Deamidated: 4	gi 41386691	myosin, heavy chain 1, skeletal muscle, adult [Bos taurus]
16.85	49.0	1682 - 1694	R.RANLLQAEIEELR.A		gi 261245063	myosin heavy chain IIa [Bos taurus]
-7.39	82.4	157 - 170	K.LSVEALNSLTGEFK.G		gi 261245063	myosin heavy chain IIa [Bos taurus]
-0.87	59.1	12 - 25	K.LNFKAEEEYPDLK.H		gi 4838363	creatine kinase M chain [Bos taurus]
15.15	37.1	855 - 867	K.SVKAPTVPKPAEAR.V		gi 4838363	creatine kinase M chain [Bos taurus]

-13.65	50.8	50 - 63	K.IPEGEKVDFDDIQK.K		gi 297465038	PREDICTED: titin [Bos taurus]
17.72	28.4	355 - 366	K.LTGAVMHYGNLK.F		gi 21039000	troponin T fast skeletal muscle type [Bos taurus]
-5.70	40.8	168 - 182	R.KLVIIESDLERAER.A		gi 41386691	myosin, heavy chain 1, skeletal muscle, adult [Bos taurus]
-11.11	46.9	29 - 39	R.AVFPSIVGRPR.H		gi 61888866	tropomyosin alpha-1 chain [Bos taurus]
-44.70	47.9	33 - 41	V.FPSIVGRPR.H		gi 4501887	actin, gamma 1 propeptide [Homo sapiens]
-16.86	94.3	888 - 909	K.EKNDLQLQVQSEAEGLADAEER.C		gi 4501881	actin, alpha 1, skeletal muscle [Homo sapiens]
22.78	44.3	1581 - 1594	K.ISMPDFDLHLKGPK.V		gi 75055812	Myosin-2 (Myosin heavy chain 2) (Myosin heavy chain 2a) (MyHC-2a) (Myosin heavy chain, skeletal muscle, adult 2)
5.67	66.9	1763 - 1776	K.AITDAAMMAEELKK.E		gi 297464894	PREDICTED: AHNAK nucleoprotein isoform 1 [Bos taurus]
-27.12	39.0	98 - 107	Q.SPLPVIHQK.D		gi 261245063	myosin heavy chain IIa [Bos taurus]
3.28	85.5	17 - 31	K.VGGHAAEYGAEALER.M		gi 296472045	LIM domain binding 3 [Bos taurus]
2.82	101.9	1760 - 1774	K.KAITDAAMMAEELKK.E		gi 576142	Chain A, A Novel Allosteric Mechanism In Haemoglobin. Structure Of Bovine Deoxyhaemoglobin, Absence Of Specific Chloride-Binding Sites And

						Origin Of The Chloride-Linked Bohr Effect In Bovine And Human Haemoglobin
163.26	68.1	1030 - 1047	K.TKLEQQVDDLEGSLEQEK.K	Deamidated: 5	gi 41386691	myosin, heavy chain 1, skeletal muscle, adult [Bos taurus]
77.96	47.7	21 - 39	K.TETQEKNPLPSKETIEQEK.Q		gi 75055812	Myosin-2 (Myosin heavy chain 2) (Myosin heavy chain 2a) (MyHC-2a) (Myosin heavy chain, skeletal muscle, adult 2)
7.81	85.2	883 - 896	K.YVVDSDTVQAHAAAR.A		gi 297460793	PREDICTED: thymosin, beta 4 [Bos taurus]
-14.80	41.2	954 - 964	K.DIDDLELTLAK.V		gi 139948281	synaptopodin 2 [Bos taurus]
31.37	53.9	1734 - 1754	K.KLETDITQIQGEMEDILQEAR.N	Deamidated: 8	gi 297459506	PREDICTED: myosin, heavy polypeptide 6, cardiac muscle, alpha-like [Bos taurus]
-4.01	74.0	1180 - 1197	R.DLEEATLQHEATAAALRK.K		gi 261245063	myosin heavy chain IIa [Bos taurus]
36.09	46.2	837 - 852	R.ILASDKPYILAEELRR.-		gi 297486816	PREDICTED: myosin, heavy chain 4, skeletal muscle [Bos taurus]
-6.38	67.1	683 - 697	K.TPGAMEHELVLHQLR.C		gi 296472241	alpha-actinin-2 [Bos taurus]
2.82	101.9	1760 - 1774	K.KAITDAAMMAEELKK.E		gi 297486814	PREDICTED: myosin, heavy chain 8, skeletal muscle, perinatal [Bos taurus]
4.92	73.4	42 - 63	R.HQGVMVGMGQKDSYVGDEAQS K.R		gi 297486816	PREDICTED: myosin, heavy chain 4, skeletal

						muscle [Bos taurus]
-33.59	89.3	1182 - 1196	L.EEATLQHEATAAALR.K		gi 146327386	ACTA2 protein [Bos taurus]
-9.08	29.5	5889 - 5898	K.EATELQSIVK.Y		gi 297486814	PREDICTED: myosin, heavy chain 8, skeletal muscle, perinatal [Bos taurus]
20.96	75.9	55 - 74	K.RQNKDLMELQALIDSHFEAR.K		gi 119887683	PREDICTED: nebulin [Bos taurus]
-15.73	123.9	161 - 187	K.MKEEEVEALMAGQEDSNGCINYE AFVK.H	Deamidated: 17; Propionamide : 9	gi 21039004	troponin T fast skeletal muscle type [Bos taurus]
38.85	21.0	814 - 828	K.EGLRGPRGDQGPVGR.S		gi 118601750	fast skeletal myosin alkali light chain 1 [Bos taurus]
27.08	103.1	42 - 64	R.HQGVMVGMGQKDSYVGDEAQS KR.G		gi 27806257	collagen, type I, alpha 2 [Bos taurus]
-3.10	87.8	316 - 329	R.NWHHGLSAQILNVK.S		gi 61553131	alpha 2 actin [Bos taurus]
50.18	47.4	1903 - 1924	R.KLQHELEEAERADIAESQVVK.L		gi 296472045	LIM domain binding 3 [Bos taurus]
31.68	39.2	225 - 238	R.LQGLTSGSLAGSPG.R	Dehydrated: 6; Dehydrated: 2	gi 75055812	Myosin-2 (Myosin heavy chain 2) (Myosin heavy chain 2a) (MyHC-2a) (Myosin heavy chain, skeletal muscle, adult 2)
-22.88	36.2	695 - 703	R.CNGVLEGIR.I	Propionamide : 1	gi 297468800	PREDICTED: Mediterranean fever [Bos taurus]
-12.88	75.8	198 - 210	K.VELGIDLLAYGAK.A		gi 41386711	myosin, heavy chain 7, cardiac muscle, beta [Bos taurus]
-12.81	88.4	370 - 381	K.GQSIDDMIPAQK.-		gi 27806015	myozenin 1 [Bos taurus]
110.07	69.1	76 - 95	K.RQNKDLMELQALIDSHFEAR.K		gi 60097925	muscle creatine kinase [Bos

						taurus]
-22.88	36.2	699 - 707	R.CNGVLEGIR.I	Propionamide : 1	gi 75054140	RecName: Full=Troponin T, fast skeletal muscle; Short=TnTf
3.37	59.0	2 - 18	M.SSDQEMAIFGEAAPYLK.K	Carbamyl: 1	gi 119911910	PREDICTED: myosin, heavy chain 4, skeletal muscle [Bos taurus]
6.02	61.1	106 - 118	R.LATALQKLEEAELK.A		gi 3721586	type 2a myosin heavy chain [Bos taurus]
-259.54	26.6	65 - 78	K.HGNTVLTAALGGILK.K	Deamidated: 3	gi 155372051	hypothetical protein LOC535277 [Bos taurus]
-9.84	58.5	360 - 370	R.ETTVTSATQIR.T		gi 73586735	Myoglobin [Bos taurus]
140.34	85.8	119 - 131	R.ALGQNPTQAEVLR.V		gi 297465038	PREDICTED: titin [Bos taurus]
-9.43	51.6	1373 - 1390	R.TKYETDAIQRTEELAAK.K		gi 194677365	PREDICTED: myosin, light chain 3, alkali; ventricular, skeletal, slow [Bos taurus]
-55.03	93.4	1231 - 1245	K.MEIDDLASNVETISK.A	Oxidation: 1	gi 41386711	myosin, heavy chain 7, cardiac muscle, beta [Bos taurus]
2.42	59.3	2759 - 2772	K.ISMPDIDLNLKGPK.V		gi 75055812	Myosin-2 (Myosin heavy chain 2) (Myosin heavy chain 2a) (MyHC-2a) (Myosin heavy chain, skeletal muscle, adult 2)
-33.59	89.0	1184 - 1198	L.EEATLQHEATAAALR.K		gi 297492053	PREDICTED: AHNAK nucleoprotein [Bos taurus]
20.08	53.7	1915 - 1926	R.ADIAESQVNLKLR.V		gi 261245063	myosin heavy chain IIa [Bos taurus]

30.47	60.6	1197 - 1215	R.KKHADSV AELGEQIDNLQR.V		gi 261245063	myosin heavy chain IIa [Bos taurus]
4.03	59.7	20 - 37	G.GAPSFPLG SPLSPVFPR.A		gi 297486814	PREDICTED: myosin, heavy chain 8, skeletal muscle, perinatal [Bos taurus]
9.89	68.0	91 - 104	K.KVLGNPSNEEMNAK.K		gi 2959456	desmin [Bos taurus]
-11.76	65.9	1364 - 1372	K.ANSEVAQWR.T		gi 118601750	fast skeletal myosin alkali light chain 1 [Bos taurus]
15.77	56.9	1902 - 1924	K.LQHELEEAERADIAESQVNKLR.V		gi 41386711	myosin, heavy chain 7, cardiac muscle, beta [Bos taurus]
23.03	39.5	1681 - 1700	R.ANLLQAEIEELRATLEQTER.S	Deamidated: 2	gi 297486814	PREDICTED: myosin, heavy chain 8, skeletal muscle, perinatal [Bos taurus]
-75.13	79.0	1118 - 1129	R.IEEEEIEAER.A		gi 41386691	myosin, heavy chain 1, skeletal muscle, adult [Bos taurus]
-43.50	105.6	1397 - 1410	R.LQDAEEAVEAVNAK.C		gi 76643943	PREDICTED: myosin, heavy chain 8, skeletal muscle, perinatal isoform 2 [Bos taurus]
-14.36	47.9	30 - 38	V.FPSIVGRPR.H		gi 41386711	myosin, heavy chain 7, cardiac muscle, beta [Bos taurus]
-10.17	110.2	1028 - 1046	K.TKLEQQVDDLEGSLEQKK.L		gi 157878210	Chain A, Structure Of Bovine Beta-Actin-Profilein Complex With Actin Bound Atp Phosphates Solvent Accessible
8.57	64.9	190 -	K.CAELEELKTVTNNLK.S	Propionamide	gi 41386691	myosin, heavy

		205		: 1		chain 1, skeletal muscle, adult [Bos taurus]
-12.63	70.2	845 - 861	K.SAETEKEMATMKEEFQK.T		gi 61888866	tropomyosin alpha-1 chain [Bos taurus]
1.54	58.7	21 - 30	K.AGFAGDDAPR.A		gi 76643943	PREDICTED: myosin, heavy chain 8, skeletal muscle, perinatal isoform 2 [Bos taurus]
7.28	74.1	770 - 780	K.AGLLGLEEMR.D		gi 4885049	cardiac muscle alpha actin 1 proprotein [Homo sapiens]
-44.70	47.9	33 - 41	V.FPSIVGRPR.H		gi 297486814	PREDICTED: myosin, heavy chain 8, skeletal muscle, perinatal [Bos taurus]
-7.08	80.6	1181 - 1198	R.RDLEEATLQHEATAAALR.K		gi 4885049	cardiac muscle alpha actin 1 proprotein [Homo sapiens]
18.78	71.0	1338 - 1359	R.HDCDLLREQYEEETEAKAELQR.V	Propionamide : 3	gi 261245063	myosin heavy chain IIa [Bos taurus]
40.91	31.4	1850 - 1862	R.VKELTYQTEEDRK.N		gi 41386711	myosin, heavy chain 7, cardiac muscle, beta [Bos taurus]
6.66	90.1	161 - 183	R.GGAAGTPGVGETGTDNQAGGEG K.H		gi 41386691	myosin, heavy chain 1, skeletal muscle, adult [Bos taurus]
7.85	93.3	644 - 655	K.GSSFQTVSALFR.E		gi 113911880	MYOZ1 protein [Bos taurus]
37.71	40.7	529 - 543	R.VGTTTRVPMTGVPVKEK.I		gi 297486816	PREDICTED: myosin, heavy chain 4, skeletal muscle [Bos taurus]
-15.76	33.8	1296 - 1304	K.EALISQLTR.G		gi 296473283	sarcoplasmic/endoplasmic reticulum calcium ATPase 1 [Bos

						taurus]
8.37	75.0	1295 - 1308	R.QLDEKEALVSQLSR.G		gi 297459506	PREDICTED: myosin, heavy polypeptide 6, cardiac muscle, alpha-like [Bos taurus]
208.55	23.6	81 - 111	K.KIEFEQFLPMLQAISNNKDQGYE DFVEGLR.V	Deamidated: 12	gi 261245063	myosin heavy chain IIa [Bos taurus]
12.88	59.6	1341 - 1362	R.HDCDLLREQYEEEQEGKAELQR.A	Propionamide : 3	gi 1096612	myosin:SUBUNIT=light chain 1
17.99	38.8	85 - 95	R.KKEEEELVALK.E		gi 297486814	PREDICTED: myosin, heavy chain 8, skeletal muscle, perinatal [Bos taurus]
6.26	37.6	1034 - 1044	D.DLEGSLEQEKK.V		gi 21039000	troponin T fast skeletal muscle type [Bos taurus]
-7.80	32.8	32 - 40	R.MFLSFPTTK.T		gi 297459506	PREDICTED: myosin, heavy polypeptide 6, cardiac muscle, alpha-like [Bos taurus]
-12.63	70.3	845 - 861	K.SAETEKEMATMKEEFQK.T		gi 576142	Chain A, A Novel Allosteric Mechanism In Haemoglobin. Structure Of Bovine Deoxyhaemoglobin, Absence Of Specific Chloride-Binding Sites And Origin Of The Chloride-Linked Bohr Effect In Bovine And Human Haemoglobin
-28.96	92.9	92 - 104	K.VLGNPSNEEMNAK.K		gi 297486814	PREDICTED: myosin, heavy chain 8, skeletal muscle, perinatal [Bos taurus]

-13.87	83.7	1189 - 1202	D.SVAELGEQIDNLQR.V		gi 118601750	fast skeletal myosin alkali light chain 1 [Bos taurus]
10.27	42.5	644 - 661	K.KGSSFQTVSALFRENLNK.L		gi 297479068	PREDICTED: myosin, heavy polypeptide 6, cardiac muscle, alpha-like [Bos taurus]
3.72	41.5	57 - 78	R.GQAAGRPLVASVSLNVPASVRY.-		gi 119911910	PREDICTED: myosin, heavy chain 4, skeletal muscle [Bos taurus]
-8.81	66.4	77 - 91	K.KATDAEADVASLNR.I		gi 4139400	Chain I, Cytochrome Bc1 Complex From Bovine
27.33	68.5	1376 - 1385	R.TKYETDAIQR.T		gi 61888866	tropomyosin alpha-1 chain [Bos taurus]
-12.93	42.4	245 - 251	R.MTFQMPK.F		gi 297486814	PREDICTED: myosin, heavy chain 8, skeletal muscle, perinatal [Bos taurus]
31.37	53.9	1732 - 1752	K.KLETDITQIQGEMEDIIQEAR.N	Deamidated: 8	gi 113911880	MYOZ1 protein [Bos taurus]
-8.14	75.1	1400 - 1413	R.LQDAEEHVEAVNAK.C		gi 41386691	myosin, heavy chain 1, skeletal muscle, adult [Bos taurus]
-10.37	73.4	1002 - 1027	K.KALQEAHQQTLLDQLAEEDKVNT LTK.A		gi 297486814	PREDICTED: myosin, heavy chain 8, skeletal muscle, perinatal [Bos taurus]
10.72	63.8	77 - 90	K.KATDAEADVASLNR.R		gi 75055812	Myosin-2 (Myosin heavy chain 2) (Myosin heavy chain 2a) (MyHC-2a) (Myosin heavy chain, skeletal muscle, adult 2)
20.08	53.7	1913 -	R.ADIAESQVNKL.R.V		gi 11875203	tropomyosin 2,

		1924				beta [Mus musculus]
199.50	36.9	10 - 28	V.IDNGSGMCKAGFAGDDAPR.A	Dehydrated: 5; Oxidation: 7; Propionamide : 8	gi 297486816	PREDICTED: myosin, heavy chain 4, skeletal muscle [Bos taurus]
33.81	49.4	1758 - 1781	K.AITDAAMMAEELKKEQDTSAHLE R.M		gi 4501887	actin, gamma 1 propeptide [Homo sapiens]
-65.12	35.8	318 - 328	K.EITALAPSTMK.I		gi 41386711	myosin, heavy chain 7, cardiac muscle, beta [Bos taurus]
26.96	39.9	1199 - 1217	R.KKHADSVaelGEQIDNLQR.V		gi 61553131	alpha 2 actin [Bos taurus]
22.73	80.3	69 - 90	K.AVEHLDDLPGALSESDLHAHK.L		gi 75055812	Myosin-2 (Myosin heavy chain 2) (Myosin heavy chain 2a) (MyHC-2a) (Myosin heavy chain, skeletal muscle, adult 2)
10.19	63.5	1579 - 1591	K.IAEKDEEIDQLKR.N		gi 576142	Chain A, A Novel Allosteric Mechanism In Haemoglobin. Structure Of Bovine Deoxyhaemoglobin, Absence Of Specific Chloride-Binding Sites And Origin Of The Chloride-Linked Bohr Effect In Bovine And Human Haemoglobin
-26.19	68.8	1182 - 1198	R.DLEEATLQHEATAAALR.K		gi 297486816	PREDICTED: myosin, heavy chain 4, skeletal muscle [Bos taurus]
-26.19	68.8	1181 - 1197	R.DLEEATLQHEATAAALR.K		gi 261245063	myosin heavy chain IIa [Bos

						taurus]
-15.76	33.8	1285 - 1293	K.EALISQLTR.G		gi 119911910	PREDICTED: myosin, heavy chain 4, skeletal muscle [Bos taurus]
-9.07	120.7	106 - 125	R.LATALQKLEEAKEKADESER.G		gi 297479068	PREDICTED: myosin, heavy polypeptide 6, cardiac muscle, alpha-like [Bos taurus]
7.11	62.3	1402 - 1415	R.LQAEEHVAVNAK.C		gi 87196510	tropomyosin 2 (beta) [Bos taurus]
-1.66	27.1	574 - 593	R.GQAGVMGFPGPKGAAGEPGK.A	F->DOPA: 8	gi 261245063	myosin heavy chain IIa [Bos taurus]
27.05	21.5	74 - 89	R.LNFSGTHEYHAETIK.N		gi 77404252	collagen, type I, alpha 1 [Bos taurus]
-11.80	104.9	1145 - 1168	R.ELEEISERLEEAGGATSAQIEMNK.K		gi 194670470	PREDICTED: pyruvate kinase, muscle [Bos taurus]
-11.76	65.9	1367 - 1375	K.ANSEVAQWR.T		gi 297486814	PREDICTED: myosin, heavy chain 8, skeletal muscle, perinatal [Bos taurus]
-3.59	84.0	19 - 37	F.GGAPSFPLGSPLSPVFPR.A		gi 41386691	myosin, heavy chain 1, skeletal muscle, adult [Bos taurus]
-75.13	79.0	1119 - 1130	R.IEEEEIEAER.A		gi 126158909	desmin [Bos taurus]
-7.08	80.6	1179 - 1196	R.RDLEEATLQHEATAAALR.K		gi 119911910	PREDICTED: myosin, heavy chain 4, skeletal muscle [Bos taurus]
-43.73	87.3	728 - 743	K.VLNASAIPEGQFIDSK.K		gi 297486816	PREDICTED: myosin, heavy chain 4, skeletal muscle [Bos taurus]
27.33	68.3	1373 -	R.TKYETDAIQR.T		gi 119911910	PREDICTED:

		1382				myosin, heavy chain 4, skeletal muscle [Bos taurus]
4.52	69.3	100 - 115	A.PEEHPTLLTEAPLNPK.A		gi 41386711	myosin, heavy chain 7, cardiac muscle, beta [Bos taurus]
27.33	68.3	1376 - 1385	R.TKYETDAIQR.T		gi 4501881	actin, alpha 1, skeletal muscle [Homo sapiens]
7.85	93.3	645 - 656	K.GSSFQTVSALFR.E		gi 41386691	myosin, heavy chain 1, skeletal muscle, adult [Bos taurus]
18.98	51.7	40 - 57	K.VCINSEHSVDTLLETLGK.T	Propionamide : 2	gi 119911910	PREDICTED: myosin, heavy chain 4, skeletal muscle [Bos taurus]
10.16	47.0	87 - 102	R.LWSPQVTEDGKAHPFK.I		gi 57164249	SA hypertension-associated homolog [Ovis aries]
-12.36	27.0	117 - 124	K.SDELKSRR.V	Dehydrated: 6	gi 77736235	PDZ and LIM domain protein 3 [Bos taurus]
5.67	66.9	1761 - 1774	K.AITDAAMMAEELKK.E		gi 115496556	smooth muscle and non-muscle myosin alkali light chain 6B [Bos taurus]
36.00	61.9	1732 - 1752	K.KLETDITQIQGEMEDIIQEAR.N	Deamidated: 10; Oxidation: 3	gi 76643943	PREDICTED: myosin, heavy chain 8, skeletal muscle, perinatal isoform 2 [Bos taurus]
-15.51	41.4	1298 - 1306	K.DALVSQLSR.G		gi 22655316	beta-actin [Bos taurus]
15.16	77.9	17 - 32	K.TKPADEEMLFIYSHYK.Q		gi 297486816	PREDICTED: myosin, heavy chain 4, skeletal muscle [Bos taurus]
-13.91	43.6	71 - 80	K.VLLPEYGGTK.V		gi 20150063	Chain A, Structure Of

						Bovine Acyl-Coa Binding Protein In Orthorhombic Crystal Form
34.71	28.1	42 - 57	R.SAGLPSHTSSISQHSK.G		gi 4504523	heat shock 10kDa protein 1 [Homo sapiens]
-15.51	41.4	1299 - 1307	K.DALVSQLSR.G		gi 78369264	mitochondrial ribosomal protein S36 [Bos taurus]
-22.31	67.4	21 - 30	K.AGFAGDDAPR.A		gi 119911910	PREDICTED: myosin, heavy chain 4, skeletal muscle [Bos taurus]
1.54	58.7	19 - 28	K.AGFAGDDAPR.A		gi 4501883	alpha 2 actin [Homo sapiens]
15.18	51.1	870 - 888	R.AEPTSPQFPFAETPETFK.S		gi 22655316	beta-actin [Bos taurus]
-33.24	69.8	1330 - 1340	K.SALAHALQSAR.H		gi 297465038	PREDICTED: titin [Bos taurus]
15.06	50.6	924 - 944	K.IKEVTERAEDEEEINAELTAK.K		gi 297486816	PREDICTED: myosin, heavy chain 4, skeletal muscle [Bos taurus]
11.65	50.9	1795 - 1809	K.DLQHRLEAEQLALK.G		gi 261245063	myosin heavy chain IIa [Bos taurus]
-12.49	86.1	100 - 118	G.VTIAQGGVLPNIQAVLLPK.K		gi 41386691	myosin, heavy chain 1, skeletal muscle, adult [Bos taurus]
11.42	55.4	77 - 89	K.LEEAEKAADESER.V		gi 91095403	PREDICTED: similar to His2A:CG31618 CG31618-PA [Tribolium castaneum]
-19.28	51.4	33 - 41	K.ALTLEIYKK.L		gi 297461851	PREDICTED: tropomyosin 4 [Bos taurus]
-7.17	82.7	314 - 327	R.MQKEITALAPSTMK.I		gi 60097925	muscle creatine kinase [Bos taurus]
-160.07	108.8	240 - 255	K.SYELPDGQVITIGNER.F		gi 77735829	carbonic anhydrase III,

						muscle specific [Bos taurus]
-34.63	61.4	33 - 40	F.PSIVGRPR.H		gi 296482731	actin, gamma-enteric smooth muscle [Bos taurus]
-10.75	48.5	946 - 953	D.DLELTAK.V		gi 296482731	actin, gamma-enteric smooth muscle [Bos taurus]
3.29	49.6	1119 - 1133	R.IEEEEIEAERASR.A		gi 297479068	PREDICTED: myosin, heavy polypeptide 6, cardiac muscle, alpha-like [Bos taurus]
12.49	60.6	129 - 164	D.PAAVTSALSPEGVLSIQAAPAPAQ APLQSPPGAAAK.-		gi 119911910	PREDICTED: myosin, heavy chain 4, skeletal muscle [Bos taurus]
7.83	54.1	1911 - 1922	R.ADIAESQVNKL.R.A		gi 115496724	heat shock protein, alpha-crystallin-related, B6 [Bos taurus]
32.59	28.5	2080 - 2089	P.KFKTPEMNIK.A	Dehydrated: 4; Oxidation: 7	gi 297459506	PREDICTED: myosin, heavy polypeptide 6, cardiac muscle, alpha-like [Bos taurus]
12.72	82.0	696 - 710	K.AEAVATVVAVDQAR.V		gi 297464894	PREDICTED: AHNAK nucleoprotein isoform 1 [Bos taurus]
2.32	61.2	120 - 134	K.HPSDFGADAQAAMSK.A		gi 297465038	PREDICTED: titin [Bos taurus]
5.70	46.7	498 - 509	K.QEQVHVTHEQIR.K	Gln->pyro-Glu: 1	gi 27806939	myoglobin [Bos taurus]
3.17	40.4	999 - 1012	D.DLQAEDKVNTLT.K.S		gi 297471578	PREDICTED: titin [Bos taurus]
3.38	52.3	190 - 200	R.LPHQPVTAVTR.V		gi 297479068	PREDICTED: myosin, heavy polypeptide 6, cardiac muscle, alpha-like [Bos

						taurus]
11.69	41.2	10 - 25	K.HKLNFKAE E EYPDL SK.H		gi 114052551	smoothelin-like 2 [Bos taurus]
-66.14	60.1	98 - 115	R.VAPEEHPTLLTEAPLNPK.A		gi 60097925	muscle creatine kinase [Bos taurus]
22.75	43.3	7 - 28	R.RTFGGAPSFPLGSPLSSPVFPR.A		gi 27819614	actin, alpha 1, skeletal muscle [Bos taurus]
17.72	33.0	180 - 193	R.LDLAGRDLTDYLMK.I		gi 2959452	desmin [Bos taurus]
6.62	56.8	6182 - 6199	K.YKEVIGQGTPIDLPEVK.R		gi 4501881	actin, alpha 1, skeletal muscle [Homo sapiens]
-20.39	67.7	19 - 45	K.AAAAPAPAPAPPPAPEPSKEPEFDPSK.I		gi 119887683	PREDICTED: nebulin [Bos taurus]
-9.43	51.6	1376 - 1393	R.TKYETDAIQRT EEE EAK.K		gi 270483786	myosin light chain 3 [Bos taurus]
-16.88	70.6	42 - 52	R.HQGVMVG MGQK.D		gi 76643943	PREDICTED: myosin, heavy chain 8, skeletal muscle, perinatal isoform 2 [Bos taurus]
-18.56	21.9	186 - 193	R.DLTDYLMK.I		gi 4885049	cardiac muscle alpha actin 1 proprotein [Homo sapiens]
-8.30	52.2	91 - 105	R.RIQLVEEELDRAQER.L		gi 27819614	actin, alpha 1, skeletal muscle [Bos taurus]
-6.38	68.1	683 - 697	K.TPGAMEHELVLHQLR.C		gi 87196510	tropomyosin 2 (beta) [Bos taurus]
-23.72	44.7	33 - 41	V.FPSIVGRPR.H		gi 297486816	PREDICTED: myosin, heavy chain 4, skeletal muscle [Bos taurus]
-8.81	66.4	77 - 91	K.KATDAEADVASLNRR.I		gi 4501883	alpha 2 actin [Homo sapiens]
10.20	80.5	65 - 78	K.HGNTVLTALGGILK.K		gi 11875203	tropomyosin 2, beta [Mus musculus]
0.01	93.7	41 - 63	R.HQGVMVG MGQKDSYVGDEAQS KR.G		gi 73586735	Myoglobin [Bos taurus]

-14.91	105.5	1201 - 1217	K.HADSVaelGEQIDNLQR.V		gi 296482731	actin, gamma-enteric smooth muscle [Bos taurus]
20.45	97.6	946 - 956	R.KLEDECSELKK.D	Propionamide : 6	gi 75055812	Myosin-2 (Myosin heavy chain 2) (Myosin heavy chain 2a) (MyHC-2a) (Myosin heavy chain, skeletal muscle, adult 2)
31.25	61.5	1338 - 1359	R.HDCDLLREQYEEETEAKAELQR.V	Propionamide : 3	gi 119911910	PREDICTED: myosin, heavy chain 4, skeletal muscle [Bos taurus]
-16.00	49.3	72 - 80	K.TLGPALLEK.K		gi 296483595	myosin-7 [Bos taurus]
-61.43	33.9	317 - 327	K.EITALAPSTMK.I		gi 77736349	enolase 3 (beta, muscle) [Bos taurus]
-36.30	91.5	931 - 944	R.AEDEEEINAELTAK.K		gi 296482731	actin, gamma-enteric smooth muscle [Bos taurus]
8.79	53.5	1251 - 1260	R.TLEDQMNEHR.S		gi 261245063	myosin heavy chain IIa [Bos taurus]
0.12	69.2	1402 - 1415	R.LQAEEHVAVNAK.C		gi 296483595	myosin-7 [Bos taurus]
-143.21	52.4	98 - 115	R.VAPEEHPTLLTEAPLNPK.A		gi 75055812	Myosin-2 (Myosin heavy chain 2) (Myosin heavy chain 2a) (MyHC-2a) (Myosin heavy chain, skeletal muscle, adult 2)
-34.63	61.5	34 - 41	F.PSIVGRPR.H		gi 4501883	alpha 2 actin [Homo sapiens]
-75.13	79.0	1118 - 1129	R.IEEEEIEAER.A		gi 146327386	ACTA2 protein [Bos taurus]
25.48	59.3	66 - 84	R.QNKDLMELQALIDSHFEAR.K		gi 297486816	PREDICTED: myosin, heavy chain 4, skeletal muscle [Bos

						taurus]
3.41	45.5	33 - 43	R.LFTGHPETLEK.F		gi 21039002	troponin T fast skeletal muscle type [Bos taurus]
-75.13	79.0	1115 - 1126	R.IEEEEEELEAER.T		gi 27806939	myoglobin [Bos taurus]
-6.38	68.1	685 - 699	K.TPGAMEHELVLHQLR.C		gi 41386711	myosin, heavy chain 7, cardiac muscle, beta [Bos taurus]
292.32	95.6	1732 - 1752	K.KLETDITQIQGEMEDIIQEAR.N		gi 261245063	myosin heavy chain IIa [Bos taurus]
12.88	59.4	1341 - 1362	R.HDCDLLREQYEEEQEGKAELQR.A	Propionamide : 3	gi 75055812	Myosin-2 (Myosin heavy chain 2) (Myosin heavy chain 2a) (MyHC-2a) (Myosin heavy chain, skeletal muscle, adult 2)
18.90	36.4	354 - 366	R.ISNRPAFMPSEGK.M		gi 76643943	PREDICTED: myosin, heavy chain 8, skeletal muscle, perinatal isoform 2 [Bos taurus]
8.06	46.0	17 - 31	R.LQGGKDFNMPLTISR.I	Oxidation: 9	gi 77736221	actinin, alpha 2 [Bos taurus]
3.27	87.0	1197 - 1213	K.HADSVaelGEQIDNLQR.V		gi 296472045	LIM domain binding 3 [Bos taurus]
2.10	41.4	86 - 96	K.IWHHTFYNELR.V		gi 297459506	PREDICTED: myosin, heavy polypeptide 6, cardiac muscle, alpha-like [Bos taurus]
5.31	38.4	16 - 28	R.GNPTVEVDLHTAK.G		gi 4139400	Chain I, Cytochrome Bc1 Complex From Bovine
4.52	69.3	100 - 115	A.PEEHPTLLTEAPLNPK.A		gi 77736349	enolase 3 (beta, muscle) [Bos taurus]
-12.63	45.8	44 - 57	R.LQSIGTENTEENRR.F		gi 4885049	cardiac muscle alpha actin 1

						proprotein [Homo sapiens]
-41.64	46.8	53 - 63	K.DSYVGDEAQSK.R		gi 156120479	aldolase A [Bos taurus]
-32.03	67.5	1327 - 1337	K.NALAHALQSAR.H		gi 4501887	actin, gamma 1 propeptide [Homo sapiens]
2.62	40.1	83 - 97	K.SKRPIPISTAAPPIQ.S		gi 41386711	myosin, heavy chain 7, cardiac muscle, beta [Bos taurus]
-41.80	146.6	1153 - 1168	R.LEEAGGATSAQIEMNK.K		gi 296472045	LIM domain binding 3 [Bos taurus]
-20.17	26.4	208 - 215	I.PLHVFSPK.Y		gi 76643943	PREDICTED: myosin, heavy chain 8, skeletal muscle, perinatal isoform 2 [Bos taurus]
-9.22	95.5	6020 - 6033	R.GLNAMANETPDFLR.A		gi 116875781	PDZ and LIM domain 5 [Bos taurus]
28.20	66.0	1198 - 1215	K.KHADSVaelGEQIDNLQR.V		gi 119887683	PREDICTED: nebulin [Bos taurus]
187.81	53.3	1703 - 1730	R.KIAEQELLDASERVQLLHTQNTSLI NTK.K		gi 297486814	PREDICTED: myosin, heavy chain 8, skeletal muscle, perinatal [Bos taurus]
12.93	34.6	1195 - 1213	R.KKHADSVaelGEQIDNLQR.V		gi 76643943	PREDICTED: myosin, heavy chain 8, skeletal muscle, perinatal isoform 2 [Bos taurus]
20.49	33.8	42 - 63	K.LRDKETPSGFTLDDVIQTGVDN.P	Dehydrated: 18	gi 297459506	PREDICTED: myosin, heavy polypeptide 6, cardiac muscle, alpha-like [Bos taurus]
11.13	54.4	688 - 700	R.STTKPMFTFKEPK.V		gi 60097925	muscle creatine kinase [Bos taurus]
9.85	53.5	1348 -	R.QQYEEQEGKAELQR.A	Deamidated:	gi 139948281	synaptopodin 2

		1362		1		[Bos taurus]
14.70	49.4	1085 - 1096	K.KKEFEMSNLQSK.I		gi 297486816	PREDICTED: myosin, heavy chain 4, skeletal muscle [Bos taurus]
-4.01	74.2	1180 - 1197	R.DLEEATLQHEATAAALRK.K		gi 297486816	PREDICTED: myosin, heavy chain 4, skeletal muscle [Bos taurus]
-5.03	38.9	1854 - 1864	R.LQDLVDKLQLK.V		gi 297486814	PREDICTED: myosin, heavy chain 8, skeletal muscle, perinatal [Bos taurus]
-36.30	91.5	929 - 942	R.AEDEEEINAELTAK.K		gi 297479068	PREDICTED: myosin, heavy polypeptide 6, cardiac muscle, alpha-like [Bos taurus]
-35.80	56.5	32 - 39	F.PSIVGRPR.H		gi 297486816	PREDICTED: myosin, heavy chain 4, skeletal muscle [Bos taurus]
-7.08	80.6	1179 - 1196	R.RDLEEATLQHEATAAALR.K		gi 22655316	beta-actin [Bos taurus]
-31.08	71.1	68 - 80	K.VLGNPSNEEMNAK.K		gi 76643943	PREDICTED: myosin, heavy chain 8, skeletal muscle, perinatal isoform 2 [Bos taurus]
24.60	57.7	200 - 209	R.HRPDLIDYAK.L		gi 1096612	myosin:SUBUNIT=light chain 1
-22.25	25.5	34 - 41	F.PSIVGRPR.H		gi 296471463	alpha-actinin-3 [Bos taurus]
15.77	56.7	1902 - 1924	K.LQHELEEAERADIAESQVNKL.R.V		gi 134024776	Actin, alpha 1, skeletal muscle [Bos taurus]
17.32	23.0	229 - 248	D.GFLVGGASLKPEFVDIINAK.Q		gi 297486816	PREDICTED: myosin, heavy chain 4, skeletal muscle [Bos taurus]

-11.35	67.4	91 - 105	R.RIQLVEEELDRAQER.L		gi 61888856	triosephosphate isomerase 1 [Bos taurus]
-15.80	41.3	6011 - 6017	R.DLELEVK.G		gi 11875203	tropomyosin 2, beta [Mus musculus]
30.47	60.4	1197 - 1215	R.KKHADSVaelGEQIDNLQR.V		gi 119887683	PREDICTED: nebulin [Bos taurus]
-13.37	50.1	574 - 585	R.GQAGVMGFGPK.G	Oxidation: 8	gi 76643943	PREDICTED: myosin, heavy chain 8, skeletal muscle, perinatal isoform 2 [Bos taurus]
-57.06	110.3	208 - 221	R.VPTPNVSVDLTCR.L	Propionamide : 13	gi 77404252	collagen, type I, alpha 1 [Bos taurus]
-41.80	146.6	1153 - 1168	R.LEEAGGATSAQIEMNK.K		gi 89573947	glyceraldehyde-3-phosphate dehydrogenase [Bos taurus]
3.33	44.3	965 - 981	K.VKNLTEEMAGLDEIIAK.L		gi 297486816	PREDICTED: myosin, heavy chain 4, skeletal muscle [Bos taurus]
30.37	37.0	1681 - 1700	R.ANLLQAEIEELRATLEQTER.S		gi 297479068	PREDICTED: myosin, heavy polypeptide 6, cardiac muscle, alpha-like [Bos taurus]
-10.92	106.7	117 - 130	K.GGDDLDPNYVLSSR.V		gi 41386691	myosin, heavy chain 1, skeletal muscle, adult [Bos taurus]
-18.21	21.4	1332 - 1340	A.LAHALQSAR.H		gi 60097925	muscle creatine kinase [Bos taurus]
197.82	101.8	40 - 62	R.HQGVMMGGMGQKDSYVGDEAQS KR.G		gi 297486816	PREDICTED: myosin, heavy chain 4, skeletal muscle [Bos taurus]
17.72	33.0	178 - 191	R.LDLAGRDLTDYLMK.I		gi 22655316	beta-actin [Bos taurus]

28.78	45.7	153 - 167	K.HIAEEADRYEVAR.K		gi 4501887	actin, gamma 1 propeptide [Homo sapiens]
-11.80	106.2	1145 - 1168	R.ELEEISERLEEAGGATSAQIEMNK.K		gi 58652133	tropomyosin 3 [Bos taurus]
20.08	53.7	1913 - 1924	R.ADIAESQVNKL.R.V		gi 41386691	myosin, heavy chain 1, skeletal muscle, adult [Bos taurus]
22.75	43.3	16 - 37	R.RTFGGAPSFPLGSPVFP.R.A		gi 41386691	myosin, heavy chain 1, skeletal muscle, adult [Bos taurus]
25.48	59.3	56 - 74	R.QNKDLMELQALIDSHFEAR.K		gi 126158909	desmin [Bos taurus]
-7.92	34.4	37 - 45	K.QSSITIQPR.Q	Deamidated: 1; Dehydrated: 3	gi 47824864	troponin T3, skeletal, fast [Bos taurus]
-82.20	40.2	89 - 97	K.DKINGDKLW.L		gi 296485311	myotilin [Bos taurus]
18.31	55.3	71 - 86	K.YPIEHGIITNWDDMEK.I	Y->Quinone: 1	gi 297460464	PREDICTED: crinkled-like [Bos taurus]
33.81	49.4	1762 - 1785	K.AITDAAMMAEELKKEQDTSAHLE R.M		gi 4885049	cardiac muscle alpha actin 1 proprotein [Homo sapiens]
-3.59	84.0	10 - 28	F.GGAPSFPLGSPVFP.R.A		gi 119911910	PREDICTED: myosin, heavy chain 4, skeletal muscle [Bos taurus]
-3.66	71.8	1489 - 1503	K.NAYEESLDQLET.LKR.E		gi 2959452	desmin [Bos taurus]
1.51	84.9	18 - 32	K.VEADVAGHGQEV.LIR.L		gi 297486814	PREDICTED: myosin, heavy chain 8, skeletal muscle, perinatal [Bos taurus]
-17.28	56.1	1220 - 1230	D.DVTSNMEQI.K.A		gi 73586735	Myoglobin [Bos taurus]
10.94	77.3	23 - 45	R.QTSGGPVDAGPEYQQDLREL.FK.L		gi 297479068	PREDICTED: myosin, heavy polypeptide 6, cardiac muscle, alpha-like [Bos taurus]

-43.53	54.0	1564 - 1572	R.IQLELNQVK.S		gi 268612219	Chain V, The Structure Of The Membrane Extrinsic Region Of Bovine Atp Synthase
-33.24	69.8	1331 - 1341	K.SALAHALQSAR.H		gi 76643943	PREDICTED: myosin, heavy chain 8, skeletal muscle, perinatal isoform 2 [Bos taurus]
4.06	93.6	823 - 841	K.TEHGYEASIAGSAIATLQK.E		gi 119911910	PREDICTED: myosin, heavy chain 4, skeletal muscle [Bos taurus]
-9.98	62.2	1307 - 1320	R.GKQFTQQIEELKR.Q		gi 297471578	PREDICTED: titin [Bos taurus]
-27.39	52.6	1327 - 1337	K.NALAHALQSAR.H		gi 297486816	PREDICTED: myosin, heavy chain 4, skeletal muscle [Bos taurus]
18.55	51.3	153 - 167	K.HIAEDADRYEEVAR.K		gi 296483595	myosin-7 [Bos taurus]
-7.72	74.0	33021 - 33035	K.LALKEEASTVLISEK.V		gi 61888866	tropomyosin alpha-1 chain [Bos taurus]
4.18	53.8	1311 - 1322	K.QAFTQQIEELKR.Q		gi 297465038	PREDICTED: titin [Bos taurus]
25.48	59.4	77 - 95	R.QNKDLMEQLALIDSHFEAR.K		gi 75055812	Myosin-2 (Myosin heavy chain 2) (Myosin heavy chain 2a) (MyHC-2a) (Myosin heavy chain, skeletal muscle, adult 2)
-44.21	38.9	318 - 328	K.EITALAPSTMK.I		gi 75054140	RecName: Full=Troponin T, fast skeletal muscle; Short=TnTf
40.91	31.5	1850 - 1862	K.VKELTYQTEEDRK.N		gi 4501883	alpha 2 actin [Homo sapiens]
4.13	67.1	1581 -	K.IAEKDDEIDQLKR.N		gi 297486814	PREDICTED:

		1593				myosin, heavy chain 8, skeletal muscle, perinatal [Bos taurus]
27.08	103.1	39 - 61	R.HQGVMVGMGQKDSYVGDEAQS KR.G		gi 75055812	Myosin-2 (Myosin heavy chain 2) (Myosin heavy chain 2a) (MyHC-2a) (Myosin heavy chain, skeletal muscle, adult 2)
24.29	65.9	1902 - 1912	K.LQHELEEAEER.A		gi 157878210	Chain A, Structure Of Bovine Beta-Actin-Profilin Complex With Actin Bound Atp Phosphates Solvent Accessible
-11.11	46.9	30 - 40	R.AVFPSIVGRPR.H		gi 297486816	PREDICTED: myosin, heavy chain 4, skeletal muscle [Bos taurus]
3.61	46.7	855 - 867	K.SVKAPTVPKPAEAR.V		gi 4501889	actin, gamma 2 propeptide [Homo sapiens]
16.85	49.0	1680 - 1692	R.RANLLQAEIEELR.A		gi 297471578	PREDICTED: titin [Bos taurus]
120.66	94.3	261 - 273	K.LASADIETYLLEK.S		gi 41386691	myosin, heavy chain 1, skeletal muscle, adult [Bos taurus]
-9.93	41.3	228 - 243	K.MLDAEDIVNTPKPDER.A		gi 41386691	myosin, heavy chain 1, skeletal muscle, adult [Bos taurus]
28.52	82.1	942 - 952	R.KLEDECSELKR.D	Propionamide : 6	gi 296472241	alpha-actinin-2 [Bos taurus]
5.57	55.7	647 - 662	K.EAEKTALSTIAVATAK.A		gi 296472045	LIM domain binding 3 [Bos taurus]
-6.61	48.3	23 - 34	K.DFNMPLTISSLK.D		gi 297465038	PREDICTED: titin [Bos taurus]
30.13	55.8	1716 -	R.VQLLHTQNTSLINTKK.K		gi 116875781	PDZ and LIM

		1731				domain 5 [Bos taurus]
15.77	56.7	1902 - 1924	K.LQHELEEAERADIAESQVNKLR.V		gi 297486816	PREDICTED: myosin, heavy chain 4, skeletal muscle [Bos taurus]
-35.80	56.5	33 - 40	F.PSIVGRPR.H		gi 41386691	myosin, heavy chain 1, skeletal muscle, adult [Bos taurus]
36.09	47.5	837 - 852	R.ILASDKPYILAEELRR.E		gi 4501889	actin, gamma 2 propeptide [Homo sapiens]
-11.61	43.6	315 - 324	K.MIAEAIPELK.A		gi 77736221	actinin, alpha 2 [Bos taurus]
-9.98	62.2	1307 - 1320	R.GKQFTQQIEELKR.Q		gi 118572778	Malate dehydrogenase, mitochondrial precursor
-14.43	57.3	236 - 251	K.DLTVDSASPVYQAVIK.N		gi 41386691	myosin, heavy chain 1, skeletal muscle, adult [Bos taurus]
104.41	90.5	227 - 242	R.TLYSSAENPPVPLVR.N		gi 296472045	LIM domain binding 3 [Bos taurus]
1.44	48.2	196 - 210	R.RKPLNIDHLSSEKLR.D		gi 77735829	carbonic anhydrase III, muscle specific [Bos taurus]
-9.98	62.2	1309 - 1322	R.GKQFTQQIEELKR.Q		gi 75054140	RecName: Full=Troponin T, fast skeletal muscle; Short=TnTf
10.60	53.2	76 - 88	R.ASEFALSSAASHK.A		gi 261245063	myosin heavy chain IIa [Bos taurus]
15.81	46.4	40 - 54	K.IPEGEKVDFDDIQKK.R		gi 297489714	PREDICTED: myomesin 1, 185kDa isoform 2 [Bos taurus]
-3.66	72.2	1489 - 1503	K.NAYEESLDQLETLKR.E		gi 47824864	troponin T3, skeletal, fast [Bos taurus]
-75.13	79.1	1118 -	R.IEEEEIEAER.A		gi 41386691	myosin, heavy

		1129				chain 1, skeletal muscle, adult [Bos taurus]
-9.99	88.4	1402 - 1413	Q.DAEEHVEAVNAK.C		gi 297486814	PREDICTED: myosin, heavy chain 8, skeletal muscle, perinatal [Bos taurus]
10.73	52.8	175 - 192	K.NFGPTGIGFGGLTHQVEK.K		gi 76643943	PREDICTED: myosin, heavy chain 8, skeletal muscle, perinatal isoform 2 [Bos taurus]
-46.12	96.0	192 - 205	R.VIQYFATIAVTGEK.K		gi 67010009	cysteine and glycine-rich protein 3 [Bos taurus]
-15.77	30.9	239 - 245	K.YDITNLR.S		gi 297486816	PREDICTED: myosin, heavy chain 4, skeletal muscle [Bos taurus]
16.77	42.2	731 - 742	L.EYGYKEHISATK.V		gi 75054140	RecName: Full=Troponin T, fast skeletal muscle; Short=TnTf
-12.68	42.0	676 - 683	R.CIIPNETK.T	Propionamide : 1	gi 297465038	PREDICTED: titin [Bos taurus]
6.41	65.1	168 - 178	R.KLVILEGELER.A		gi 119911910	PREDICTED: myosin, heavy chain 4, skeletal muscle [Bos taurus]
-9.75	87.3	72 - 83	K.GCTGSLNMTLQR.A	Propionamide : 2	gi 155372051	hypothetical protein LOC535277 [Bos taurus]
21.82	40.0	190 - 205	K.CGDLEELKNVTNNLK.S	Propionamide : 1	gi 116875781	PDZ and LIM domain 5 [Bos taurus]
28.20	65.8	1198 - 1215	K.KHADSV AELGEQIDNLQR.V		gi 155372051	hypothetical protein LOC535277 [Bos taurus]
-3.48	79.2	6110 -	K.NFSLLQYQYDLK.N		gi 41386691	myosin, heavy

		6121				chain 1, skeletal muscle, adult [Bos taurus]
-6.38	68.1	683 - 697	K.TPGAMEHELVLHQLR.C		gi 119887683	PREDICTED: nebulin [Bos taurus]
-0.49	63.0	51 - 62	K.DSYVGDEAQSKR.G		gi 41386691	myosin, heavy chain 1, skeletal muscle, adult [Bos taurus]
-12.68	42.0	672 - 679	R.CIIPNETK.S	Propionamide : 1	gi 4501887	actin, gamma 1 propeptide [Homo sapiens]
11.65	50.9	1796 - 1810	K.DLQHRLDEAEQLALK.G		gi 41386711	myosin, heavy chain 7, cardiac muscle, beta [Bos taurus]
-12.38	46.9	360 - 370	R.ETTVTSATQIR.T		gi 119911910	PREDICTED: myosin, heavy chain 4, skeletal muscle [Bos taurus]
-4.75	97.9	1199 - 1215	K.HADSVaelGEQIDNLQR.V		gi 297471578	PREDICTED: titin [Bos taurus]
-16.51	37.4	716 - 722	R.ILYADFK.Q		gi 297486816	PREDICTED: myosin, heavy chain 4, skeletal muscle [Bos taurus]
-46.03	65.9	317 - 327	K.EITALAPSTMK.I		gi 297486816	PREDICTED: myosin, heavy chain 4, skeletal muscle [Bos taurus]
-9.66	40.9	31 - 41	R.AVFPSIVGRPR.H		gi 4501889	actin, gamma 2 propeptide [Homo sapiens]
20.08	53.7	1913 - 1924	R.ADIAESQVNKLR.V		gi 134024776	Actin, alpha 1, skeletal muscle [Bos taurus]
-56.86	28.9	324 - 328	A.PSTMK.I		gi 76643943	PREDICTED: myosin, heavy chain 8, skeletal muscle, perinatal isoform 2 [Bos taurus]
42.53	38.7	172 -	R.KVNAEGSVDNVFSQVCTHLDALK	Propionamide	gi 4501881	actin, alpha 1,

		194	.-	: 16		skeletal muscle [Homo sapiens]
12.99	103.2	9 - 35	K.KPAAAAAPAPAPAPAPAPAPP KEEK.I		gi 61888850	adenylate kinase 1 [Bos taurus]
-6.98	64.1	161 - 175	K.VVLAYEPVWAIGTGK.T		gi 118601750	fast skeletal myosin alkali light chain 1 [Bos taurus]
-11.27	56.7	174 - 186	K.IYVDDGLISLLVK.Q		gi 61888856	triosephosphate isomerase 1 [Bos taurus]
-12.00	60.9	28 - 38	K.YGGAEVDELGK.V		gi 194670470	PREDICTED: pyruvate kinase, muscle [Bos taurus]
-6.19	41.8	92 - 105	R.IQLVEEELDRAQER.L		gi 157829678	Chain A, Phosphatidyletha nolamine Binding Protein From Calf Brain
14.70	49.4	1085 - 1096	K.KKEFEMSNLQSK.I		gi 155372051	hypothetical protein LOC535277 [Bos taurus]
-14.97	70.7	695 - 707	K.KAEAVATVVAAVD.Q		gi 41386691	myosin, heavy chain 1, skeletal muscle, adult [Bos taurus]
-66.14	60.1	97 - 114	R.VAPEEHPTLLTEAPLNPK.A		gi 297465038	PREDICTED: titin [Bos taurus]
-11.11	46.9	31 - 41	R.AVFPSIVGRPR.H		gi 4501889	actin, gamma 2 propeptide [Homo sapiens]
0.55	56.3	36 - 48	R.CKQLEEEQQALQK.K	Propionamide : 1	gi 4885049	cardiac muscle alpha actin 1 proprotein [Homo sapiens]
-11.35	67.4	91 - 105	R.RIQLVEEELDRAQER.L		gi 87196510	tropomyosin 2 (beta) [Bos taurus]
-10.52	55.0	1285 - 1294	R.LQTESGEFSR.Q		gi 155372051	hypothetical protein LOC535277 [Bos taurus]
6.34	73.6	1065 - 1083	D.RGETGPAGPAGPIGPVGAR.G		gi 261245063	myosin heavy chain IIa [Bos taurus]

-43.73	64.3	299 - 310	K.VVEGLPINDFSR.E		gi 77404252	collagen, type I, alpha 1 [Bos taurus]
3.06	52.1	33004 - 33016	K.ALISEEIKTSEVK.S		gi 77736203	malate dehydrogenase 1, NAD (soluble) [Bos taurus]
-17.90	44.1	1867 - 1877	R.LQDLVDKLQAK.V		gi 297465038	PREDICTED: titin [Bos taurus]
-11.11	46.9	31 - 41	R.AVFPSIVGRPR.H		gi 41386691	myosin, heavy chain 1, skeletal muscle, adult [Bos taurus]
5.96	51.2	870 - 888	R.AEPTSPQFPFAETPETFK.S		gi 27819614	actin, alpha 1, skeletal muscle [Bos taurus]
-33.59	89.0	1179 - 1193	L.EEATLQHEATAAALR.K		gi 297471578	PREDICTED: titin [Bos taurus]
29.87	20.9	104 - 119	K.YLEFISDAIIHVLHAK.H		gi 41386711	myosin, heavy chain 7, cardiac muscle, beta [Bos taurus]
17.72	28.4	356 - 367	K.LTGAVMHYGNLK.F		gi 73586735	Myoglobin [Bos taurus]
27.57	30.9	640 - 657	K.KGSSFQTVSALHRENLNK.L		gi 119911910	PREDICTED: myosin, heavy chain 4, skeletal muscle [Bos taurus]
-16.05	51.2	33 - 41	K.ALTLEIYKK.L		gi 41386711	myosin, heavy chain 7, cardiac muscle, beta [Bos taurus]
-41.80	146.9	1153 - 1168	R.LEEAGGATSAQIEMNK.K		gi 4838363	creatine kinase M chain [Bos taurus]
-15.21	81.2	8 - 17	R.LACGVIGIAK.-	Propionamide : 3	gi 297486814	PREDICTED: myosin, heavy chain 8, skeletal muscle, perinatal [Bos taurus]
-11.82	70.5	8 - 20	R.SGPFAPVLSATSR.G		gi 298627	thymus hypocholesterolemic factor, TphF, superoxide dismutase, SOD [cattle, thymus, Peptide Partial,

						17 aa, segment 3 of 3]
7.02	69.9	40 - 53	K.IPEGEKVDFDDIQK.K		gi 1351360	Cytochrome b-c1 complex subunit Rieske, mitochondrial precursor (Ubiquinol-cytochrome c reductase iron-sulfur subunit) (Rieske iron-sulfur protein) (RISP) (Complex III subunit 5) [Contains: Cytochrome b-c1 complex subunit 11 (Ubiquinol-cytochrome c reductase 8 kDa protein) (Complex III subunit IX)]
-4.75	97.9	1199 - 1215	K.HADSVaelGEQIDNLQR.V		gi 47824864	troponin T3, skeletal, fast [Bos taurus]
5.82	67.8	1065 - 1083	K.LAQESTMDIENDKQQLDEK.L		gi 41386691	myosin, heavy chain 1, skeletal muscle, adult [Bos taurus]
2.28	97.2	823 - 841	K.TEHGYEASIAGSAIATLQK.E		gi 119911910	PREDICTED: myosin, heavy chain 4, skeletal muscle [Bos taurus]
-2.21	49.7	33004 - 33016	K.ALISEEIKTSEVK.S		gi 297465038	PREDICTED: titin [Bos taurus]
-15.51	41.4	1298 - 1306	K.DALVSQLSR.T		gi 297471578	PREDICTED: titin [Bos taurus]
-0.49	63.0	51 - 62	K.DSYVGDEAQSKR.G		gi 76643943	PREDICTED: myosin, heavy chain 8, skeletal muscle, perinatal isoform 2 [Bos taurus]
16.85	49.2	1680 -	R.RANLLQAEIEELR.A		gi 22655316	beta-actin [Bos

		1692				taurus]
-16.96	47.9	56 - 63	K.MLSEIMEK.G		gi 297486814	PREDICTED: myosin, heavy chain 8, skeletal muscle, perinatal [Bos taurus]
-18.56	21.9	185 - 192	R.DLTDYLMK.I		gi 61888850	adenylate kinase 1 [Bos taurus]
7.28	74.0	770 - 780	K.AGLLGILEEMR.D		gi 4501889	actin, gamma 2 propeptide [Homo sapiens]
10.27	42.5	645 - 662	K.KGSSFQTVSALFRENLNK.L		gi 297486816	PREDICTED: myosin, heavy chain 4, skeletal muscle [Bos taurus]
-16.16	50.9	1734 - 1754	K.KLETDITQIQGEMEDILQEAR.N	Deamidated: 10; Oxidation: 3	gi 261245063	myosin heavy chain IIa [Bos taurus]
-11.67	50.1	254 - 264	R.GIEFQAVPSE.R		gi 75055812	Myosin-2 (Myosin heavy chain 2) (Myosin heavy chain 2a) (MyHC-2a) (Myosin heavy chain, skeletal muscle, adult 2)
11.07	72.0	1732 - 1752	K.KLETDITQIQGEMEDIIQEAR.N	Oxidation: 13	gi 139948193	skeletal myosin light chain kinase [Bos taurus]
11.42	55.4	113 - 125	K.LEEAKEKADESER.G		gi 41386691	myosin, heavy chain 1, skeletal muscle, adult [Bos taurus]
-9.11	60.6	1343 - 1364	R.HDCDLLREQYEEQESKAE.LR.A	Propionamide : 3	gi 61888866	tropomyosin alpha-1 chain [Bos taurus]
14.43	48.6	40 - 54	K.IPEGEKVDFDDIQKK.R		gi 75055812	Myosin-2 (Myosin heavy chain 2) (Myosin heavy chain 2a) (MyHC-2a) (Myosin heavy chain, skeletal muscle, adult 2)
9.85	53.5	1348 - 1362	R.EQYEEQEGKAE.LR.A		gi 21039004	troponin T fast skeletal muscle

						type [Bos taurus]
-8.56	30.4	88 - 99	K.ADDGRFPQVIK.A		gi 41386691	myosin, heavy chain 1, skeletal muscle, adult [Bos taurus]
12.88	59.4	1341 - 1362	R.HDCDLLRQQYEEQEGKAEQR.A	Deamidated: 9; Propionamide : 3	gi 156120479	aldolase A [Bos taurus]
8.21	67.4	1001 - 1025	K.ALQEAHQQTLLDLQAEDKVNTLTK.S		gi 297486816	PREDICTED: myosin, heavy chain 4, skeletal muscle [Bos taurus]
-62.28	94.6	1295 - 1308	R.QLDEKEALVSQLSR.G		gi 297486816	PREDICTED: myosin, heavy chain 4, skeletal muscle [Bos taurus]
-22.26	74.1	1824 - 1837	R.VRELEGEVESEQKR.N		gi 75055812	Myosin-2 (Myosin heavy chain 2) (Myosin heavy chain 2a) (MyHC-2a) (Myosin heavy chain, skeletal muscle, adult 2)
-1.15	74.4	314 - 327	R.MQKEITALAPSTMK.I		gi 75055812	Myosin-2 (Myosin heavy chain 2) (Myosin heavy chain 2a) (MyHC-2a) (Myosin heavy chain, skeletal muscle, adult 2)
-35.80	56.5	32 - 39	F.PSIVGRPR.H		gi 91095403	PREDICTED: similar to His2A:CG31618 CG31618-PA [Tribolium castaneum]
34.28	56.6	499 - 510	R.MDQITAEKEER.A		gi 4501887	actin, gamma 1 propeptide [Homo sapiens]
-4.50	40.0	464 - 473	K.YLMIEEYLTK.E		gi 139948281	synaptopodin 2 [Bos taurus]
-15.78	68.2	1105 -	R.IEEEEEELEAER.T		gi 126722829	BCL2-associated

		1116				athanogene 3 [Bos taurus]
37.67	50.0	77 - 96	A.GDEESYTVFKDLFDPIIQDR.H		gi 297479068	PREDICTED: myosin, heavy polypeptide 6, cardiac muscle, alpha-like [Bos taurus]
-75.13	79.0	1118 - 1129	R.IEEEEIEAER.A		gi 60097925	muscle creatine kinase [Bos taurus]
-41.90	66.5	92 - 101	R.IQLVEEELDR.A		gi 41386691	myosin, heavy chain 1, skeletal muscle, adult [Bos taurus]
7.85	93.5	644 - 655	K.GSSFQTVSALFR.E		gi 87196510	tropomyosin 2 (beta) [Bos taurus]
20.38	47.2	448 - 464	R.TTTTAVHIQPAHEQIRK.E		gi 297486814	PREDICTED: myosin, heavy chain 8, skeletal muscle, perinatal [Bos taurus]
6.90	27.5	161 - 171	R.IKEAAAYIAQR.N		gi 297471578	PREDICTED: titin [Bos taurus]
-77.17	60.4	174 - 188	R.GAAQNIIPASTGAAK.A		gi 297489714	PREDICTED: myomesin 1, 185kDa isoform 2 [Bos taurus]
-150.96	24.5	915 - 923	N.KIQLEAKIK.E		gi 89573947	glyceraldehyde-3-phosphate dehydrogenase [Bos taurus]
-48.76	66.3	286 - 297	K.YICDNQDTISSK.L	Propionamide : 3	gi 76643943	PREDICTED: myosin, heavy chain 8, skeletal muscle, perinatal isoform 2 [Bos taurus]
9.24	27.9	743 - 759	K.VAEQPPRPASEPQVVPK.A		gi 74267962	ALB protein [Bos taurus]
-18.20	55.4	36 - 49	R.CKQLEEEQQALQKK.L	Propionamide : 1	gi 297471578	PREDICTED: titin [Bos taurus]
6.43	80.7	8 - 28	R.TFGGAPSFPLGSPLSPVFPR.A		gi 87196510	tropomyosin 2 (beta) [Bos taurus]
26.28	33.7	104 -	K.YLEFISDAIIHVLHAK.H		gi 2959452	desmin [Bos

		119				taurus]
-18.75	41.3	1479 - 1486	R.SLSTELFK.V		gi 27806939	myoglobin [Bos taurus]
-33.64	99.8	1397 - 1410	R.LQDAEEAVEAVNAK.C		gi 297486816	PREDICTED: myosin, heavy chain 4, skeletal muscle [Bos taurus]
18.30	61.4	44 - 68	R.DKETPSGFTLDDVIQTGVDPNGH PF.I		gi 296483595	myosin-7 [Bos taurus]
2.82	102.1	1760 - 1774	K.KAITDAAMMAEELKK.E		gi 60097925	muscle creatine kinase [Bos taurus]
10.27	42.5	643 - 660	K.KGSSFQTVSALFRENLNK.L		gi 297486814	PREDICTED: myosin, heavy chain 8, skeletal muscle, perinatal [Bos taurus]
4.21	66.3	6125 - 6138	K.GKITVVQDTPEILR.V		gi 76643943	PREDICTED: myosin, heavy chain 8, skeletal muscle, perinatal isoform 2 [Bos taurus]
136.16	82.4	29 - 42	K.GILAADESTGSIK.R		gi 119887683	PREDICTED: nebulin [Bos taurus]
22.27	63.3	59 - 74	K.DLMELQALIDSHFEAR.K		gi 156120479	aldolase A [Bos taurus]
-150.96	24.5	916 - 924	T.KIQLEAKIK.E		gi 21039004	troponin T fast skeletal muscle type [Bos taurus]
-16.88	70.6	40 - 50	R.HQGVMMVGMGQK.D		gi 119911910	PREDICTED: myosin, heavy chain 4, skeletal muscle [Bos taurus]
157.46	123.7	1003 - 1027	K.ALQEAHQQTLLDLQAEEDKVNTL TK.A		gi 22655316	beta-actin [Bos taurus]
-18.75	41.3	1480 - 1487	R.SLSTELFK.V		gi 75055812	Myosin-2 (Myosin heavy chain 2) (Myosin heavy chain 2a) (MyHC-2a) (Myosin heavy chain, skeletal muscle, adult 2)

14.08	58.3	1864 - 1874	R.LQDLVDKLQLK.V		gi 119911910	PREDICTED: myosin, heavy chain 4, skeletal muscle [Bos taurus]
160.13	108.2	241 - 256	K.SYELPDGQVITIGNER.F		gi 41386711	myosin, heavy chain 7, cardiac muscle, beta [Bos taurus]
2.17	68.5	32721 - 32733	K.AVPPTETKPTPE.K		gi 27819614	actin, alpha 1, skeletal muscle [Bos taurus]
-4.73	25.4	1034 - 1043	D.DLEGSLEQEK.K		gi 297465038	PREDICTED: titin [Bos taurus]
-41.64	46.8	52 - 62	K.DSYVGDEAQSK.R		gi 297459506	PREDICTED: myosin, heavy polypeptide 6, cardiac muscle, alpha-like [Bos taurus]
-13.32	53.6	10 - 21	K.IIFVVGPGSGK.G		gi 4501889	actin, gamma 2 propeptide [Homo sapiens]
30.04	66.2	1763 - 1786	K.AITDAAMMAEELKKEQDTSAHLE R.M		gi 61888850	adenylate kinase 1 [Bos taurus]
-6.04	88.0	701 - 717	K.VSPNPELLSLLQNSEGK.K	Deamidated: 12	gi 75055812	Myosin-2 (Myosin heavy chain 2) (Myosin heavy chain 2a) (MyHC-2a) (Myosin heavy chain, skeletal muscle, adult 2)
-0.70	111.4	1620 - 1637	K.KMEGDLNEMEIQLNHANR.Q		gi 139948281	synaptopodin 2 [Bos taurus]
-11.47	62.0	100 - 109	G.TAGQGFSYSK.S		gi 297486816	PREDICTED: myosin, heavy chain 4, skeletal muscle [Bos taurus]
25.17	54.7	1824 - 1835	R.ELEGEVESEQKR.N		gi 113911880	MYOZ1 protein [Bos taurus]
56.43	39.4	1732 - 1752	K.KLETDITQIQGEMEDIIQEAR.N	Deamidated: 8; Deamidated: 0	gi 41386691	myosin, heavy chain 1, skeletal muscle, adult [Bos taurus]
21.69	50.4	76 - 88	R.ASEFALSSAASHK.A		gi 41386691	myosin, heavy

						chain 1, skeletal muscle, adult [Bos taurus]
5.93	68.4	40 - 53	K.IPEGEKVDFFDDIQK.K		gi 297489712	PREDICTED: myomesin 1, 185kDa isoform 1 [Bos taurus]
16.16	34.9	33 - 48	R.LFTGHPETLEKFDKFK.H		gi 21039004	troponin T fast skeletal muscle type [Bos taurus]
10.88	73.9	6055 - 6073	K.ANFTSVVDTPETIIHAQQVK.N		gi 73586735	Myoglobin [Bos taurus]
-16.15	32.3	92 - 104	K.VLGNPSNEEMNAK.K	Deamidated: 4	gi 119887683	PREDICTED: nebulin [Bos taurus]
20.08	53.7	1910 - 1921	R.ADIAESQVNKL.R.A		gi 118601750	fast skeletal myosin alkali light chain 1 [Bos taurus]
-44.70	47.9	33 - 41	V.FPSIVGRPR.H		gi 41386711	myosin, heavy chain 7, cardiac muscle, beta [Bos taurus]
10.11	38.1	772 - 782	K.AGLGLLEEMR.D	Oxidation: 10	gi 27819614	actin, alpha 1, skeletal muscle [Bos taurus]
33.19	59.5	1378 - 1387	R.TKYETDAIQR.T		gi 75055812	Myosin-2 (Myosin heavy chain 2) (Myosin heavy chain 2a) (MyHC-2a) (Myosin heavy chain, skeletal muscle, adult 2)
37.26	43.9	71 - 86	K.YPIEHGIITNWDDMEK.I	Y->Quinone: 1	gi 75055812	Myosin-2 (Myosin heavy chain 2) (Myosin heavy chain 2a) (MyHC-2a) (Myosin heavy chain, skeletal muscle, adult 2)
-18.68	58.0	1272 - 1280	R.LINDLTTQR.A		gi 134024776	Actin, alpha 1, skeletal muscle [Bos taurus]
16.54	45.3	31 - 41	R.AVFPSIVGRPR.H		gi 41386691	myosin, heavy chain 1, skeletal

						muscle, adult [Bos taurus]
-42.14	49.4	32 - 40	V.FPSIVGRPR.H		gi 61553131	alpha 2 actin [Bos taurus]
5.80	29.5	1304 - 1317	R.GKLTYTQQLEDLKR.Q	Deamidated: 7	gi 296482731	actin, gamma-enteric smooth muscle [Bos taurus]
15.61	83.0	1000 - 1025	K.KALQEAHQQTDDLQAEEDKVNT LTK.S		gi 41386711	myosin, heavy chain 7, cardiac muscle, beta [Bos taurus]
3.43	56.5	1 - 13	-.APPPPAEVPEVHE.E		gi 297486816	PREDICTED: myosin, heavy chain 4, skeletal muscle [Bos taurus]
-12.68	42.1	675 - 682	R.CIIPNETK.T	Propionamide : 1	gi 1438755	troponin-T homolog/proteolysis conditioning indicator peptide {internal fragment} [cattle, castrated Holstein steer, muscle, Peptide Partial, 15 aa]
-7.08	80.6	1179 - 1196	R.RDLEEATLQHEATAAALR.K		gi 297486814	PREDICTED: myosin, heavy chain 8, skeletal muscle, perinatal [Bos taurus]
-2.71	90.8	61 - 73	R.LNVKNEELDAMMK.E		gi 41386691	myosin, heavy chain 1, skeletal muscle, adult [Bos taurus]
13.51	57.9	32 - 47	K.IDPQTGWPFVDHNNR.T		gi 115497166	fast skeletal myosin light chain 2 [Bos taurus]
30.37	37.0	1683 - 1702	R.ANLLQAEIEELRATLEQTER.S		gi 126722829	BCL2-associated athanogene 3 [Bos taurus]
-32.99	75.2	417 - 432	K.GQTVEQVYNAVGALAK.A		gi 261245063	myosin heavy chain IIa [Bos taurus]
-0.49	63.0	53 - 64	K.DSYVGDEAQSKR.G		gi 41386691	myosin, heavy chain 1, skeletal

						muscle, adult [Bos taurus]
6.04	50.4	78 - 91	K.ATDAEADVASLNRR.I		gi 27819614	actin, alpha 1, skeletal muscle [Bos taurus]
29.82	47.7	1025 - 1043	K.VKLEQHVDDLEGSLEQEK.V		gi 11875203	tropomyosin 2, beta [Mus musculus]
16.72	51.2	639 - 663	A.GPAPPPWPQPAPWSQPAFYDS SER.I		gi 296483595	myosin-7 [Bos taurus]
-65.12	35.8	315 - 325	K.EITALAPSTMK.I		gi 139948281	synaptopodin 2 [Bos taurus]
27.64	51.1	1822 - 1835	R.VRELEGEVESEQKR.N		gi 157878210	Chain A, Structure Of Bovine Beta- Actin-Profilin Complex With Actin Bound Atp Phosphates Solvent Accessible
2.10	41.4	87 - 97	K.IWHHTFYNELR.V		gi 297486814	PREDICTED: myosin, heavy chain 8, skeletal muscle, perinatal [Bos taurus]
72.62	44.7	79 - 91	R.ALGTNPTNAEVKK.V	Deamidated: 8	gi 4501881	actin, alpha 1, skeletal muscle [Homo sapiens]
-35.80	56.5	34 - 41	F.PSIVGRPR.H		gi 118601750	fast skeletal myosin alkali light chain 1 [Bos taurus]
4.88	79.5	146 - 167	D.PTLVSSSLSPGTLTVEAPLK.S		gi 4501881	actin, alpha 1, skeletal muscle [Homo sapiens]
-15.21	38.2	181 - 188	K.TYISPWEK.A		gi 85542053	Heat shock protein beta-1 (HspB1) (Heat shock 27 kDa protein) (HSP 27)
-33.24	69.8	1330 - 1340	K.SALAHALQSAR.H		gi 27806015	myozenin 1 [Bos taurus]
-7.17	82.9	315 - 328	R.MQKEITALAPSTMK.I		gi 41386691	myosin, heavy chain 1, skeletal muscle, adult [Bos taurus]

18.13	67.9	106 - 125	R.LATALQKLEEAEEKAADSER.G		gi 146327386	ACTA2 protein [Bos taurus]
125.24	121.7	1881 - 1895	R.QAEEAEEQANTNLSK.F		gi 11875203	tropomyosin 2, beta [Mus musculus]
27.33	68.3	1378 - 1387	R.TKYETDAIQR.T		gi 41386711	myosin, heavy chain 7, cardiac muscle, beta [Bos taurus]
16.29	89.4	342 - 358	R.LGSSEVEQVQLVVDGVK.L		gi 261245063	myosin heavy chain IIa [Bos taurus]
-13.01	38.1	207 - 215	K.IPLHVFSPK.Y		gi 60097925	muscle creatine kinase [Bos taurus]
18.99	36.4	33 - 48	R.LFTGHPETLEKFDKFK.H		gi 116875781	PDZ and LIM domain 5 [Bos taurus]
7.56	43.2	147 - 160	R.QVHVSGITDTEEQR.I		gi 27806939	myoglobin [Bos taurus]
6.46	69.1	84 - 99	K.STKELEDMNQKLFDLR.G		gi 297489714	PREDICTED: myomesin 1, 185kDa isoform 2 [Bos taurus]
19.73	71.5	886 - 901	K.TIYTAPLDMPLTHAK.K		gi 75055812	Myosin-2 (Myosin heavy chain 2) (Myosin heavy chain 2a) (MyHC-2a) (Myosin heavy chain, skeletal muscle, adult 2)
12.24	64.6	41 - 53	R.DIMLEELSHLSNR.G		gi 119887683	PREDICTED: nebulin [Bos taurus]
3.47	55.5	161 - 175	K.NKDTGTYEDFVEGLR.V		gi 73587377	Myozenin 2 [Bos taurus]
27.73	33.0	134 - 149	R.AQKDEEKMEIQEIQLK.E		gi 194677365	PREDICTED: myosin, light chain 3, alkali; ventricular, skeletal, slow [Bos taurus]
-7.08	80.8	1179 - 1196	R.RDLEEATLQHEATAAALR.K		gi 61888866	tropomyosin alpha-1 chain [Bos taurus]
30.47	60.4	1199 -	R.KKHADSVaelGEQIDNLQR.V		gi 297486814	PREDICTED:

		1217				myosin, heavy chain 8, skeletal muscle, perinatal [Bos taurus]
-3.66	72.2	1490 - 1504	K.NAYEESLDQLETLKR.E		gi 261245063	myosin heavy chain IIa [Bos taurus]
20.43	41.2	1904 - 1926	K.LQHELEEAERADIAESQVNKL.R.V		gi 119911910	PREDICTED: myosin, heavy chain 4, skeletal muscle [Bos taurus]
43.55	62.8	677 - 699	R.CIIPNETKTPGAMEHELVHQLR.C	Propionamide : 1	gi 75055812	Myosin-2 (Myosin heavy chain 2) (Myosin heavy chain 2a) (MyHC-2a) (Myosin heavy chain, skeletal muscle, adult 2)
-26.19	69.0	1180 - 1196	R.DLEEATLQHEATAAALR.K		gi 261245063	myosin heavy chain IIa [Bos taurus]
-36.70	72.9	108 - 118	K.ITYGQCGDVLR.A	Propionamide : 6	gi 297486814	PREDICTED: myosin, heavy chain 8, skeletal muscle, perinatal [Bos taurus]
197.82	101.8	42 - 64	R.HQGVMVGMGQKDSYVGDEAQS KR.G		gi 194677365	PREDICTED: myosin, light chain 3, alkali; ventricular, skeletal, slow [Bos taurus]
-54.62	85.3	1184 - 1198	L.EEATLQHEATAAALR.K		gi 27819614	actin, alpha 1, skeletal muscle [Bos taurus]
2.68	46.7	1026 - 1045	K.AKTLEQQVDDLEGSLEQEK.K		gi 75055812	Myosin-2 (Myosin heavy chain 2) (Myosin heavy chain 2a) (MyHC-2a) (Myosin heavy chain, skeletal muscle, adult 2)
19.90	28.1	2888 - 2906	K.ISMPGFKGEGPEVDVNLPK.A		gi 41386691	myosin, heavy chain 1, skeletal

						muscle, adult [Bos taurus]
-68.97	94.1	1229 - 1243	K.MEIDDLASNMETVSK.A		gi 297464894	PREDICTED: AHNAK nucleoprotein isoform 1 [Bos taurus]
-12.77	50.4	11 - 28	G.GAPSFPLGSPVFPFPR.A		gi 297486816	PREDICTED: myosin, heavy chain 4, skeletal muscle [Bos taurus]
32.82	77.2	42 - 68	K.LRDKETPSGFTLDDVIQTGVDPNG HPF.I		gi 2959452	desmin [Bos taurus]
-3.66	72.2	1489 - 1503	K.NAYEESLDQLET LKR.E		gi 60097925	muscle creatine kinase [Bos taurus]
-21.57	43.5	16 - 25	K.AEEEEYDLSK.H		gi 76643943	PREDICTED: myosin, heavy chain 8, skeletal muscle, perinatal isoform 2 [Bos taurus]
6.59	97.7	191 - 206	K.TPMPFGGPLVGETLPR.A		gi 60097925	muscle creatine kinase [Bos taurus]
11.42	55.4	113 - 125	K.LEEAEEKADESER.G		gi 296485174	myozenin 3 [Bos taurus]
-3.34	63.9	1716 - 1730	R.VQLLHTQNTSLINK.K		gi 155372051	hypothetical protein LOC535277 [Bos taurus]
3.60	64.4	1748 - 1761	K.AITDAAMMAEELKK.E		gi 297486814	PREDICTED: myosin, heavy chain 8, skeletal muscle, perinatal [Bos taurus]
-26.84	43.5	1088 - 1097	K.EFEMSNLQSK.I		gi 297479068	PREDICTED: myosin, heavy polypeptide 6, cardiac muscle, alpha-like [Bos taurus]
-29.08	31.7	199 - 208	R.GYSFVTTAER.E		gi 119911910	PREDICTED: myosin, heavy chain 4, skeletal muscle [Bos

						taurus]
5.82	67.8	1064 - 1082	K.LAQESTMDIENDKQQLDEK.L		gi 4885049	cardiac muscle alpha actin 1 proprotein [Homo sapiens]
-18.21	21.4	1332 - 1340	A.LAHALQSAR.H		gi 41386691	myosin, heavy chain 1, skeletal muscle, adult [Bos taurus]
5.67	66.9	1761 - 1774	K.AITDAAMMAEELKK.E		gi 41386691	myosin, heavy chain 1, skeletal muscle, adult [Bos taurus]
1.85	76.6	189 - 210	K.AMGIDPQQKVELGIDLLAYGAK.A		gi 297486816	PREDICTED: myosin, heavy chain 4, skeletal muscle [Bos taurus]
-4.60	65.9	1167 - 1183	R.DLEEATLQHEATAAALR.K		gi 27806015	myozenin 1 [Bos taurus]
-29.92	84.7	1256 - 1273	R.TLEDQVNELKSKEEEQQR.L		gi 297479068	PREDICTED: myosin, heavy polypeptide 6, cardiac muscle, alpha-like [Bos taurus]
12.93	34.6	1184 - 1202	R.KKHADSVAELGEQIDNLQR.V		gi 75055812	Myosin-2 (Myosin heavy chain 2) (Myosin heavy chain 2a) (MyHC-2a) (Myosin heavy chain, skeletal muscle, adult 2)
89.05	74.1	108 - 130	K.TDLNHENLKGDDLDPNYVLSSR.V		gi 297479068	PREDICTED: myosin, heavy polypeptide 6, cardiac muscle, alpha-like [Bos taurus]
-15.51	41.4	1298 - 1306	K.DALVSQLSR.G		gi 60097925	muscle creatine kinase [Bos taurus]
-27.42	75.3	78 - 90	K.ATDAEADVASLNR.R		gi 41386691	myosin, heavy chain 1, skeletal muscle, adult [Bos taurus]

3.59	90.4	978 - 992	K.NLTEEMAGLDEIIAK.L		gi 61888866	tropomyosin alpha-1 chain [Bos taurus]
-18.65	66.3	898 - 909	K.EVGVSITGVAVR.E		gi 297459506	PREDICTED: myosin, heavy polypeptide 6, cardiac muscle, alpha-like [Bos taurus]
16.97	84.7	42 - 63	R.HQGVMMVGMGQKDSYVGDEAQS K.R		gi 297471578	PREDICTED: titin [Bos taurus]
3.29	49.6	1118 - 1132	R.IEEEEIEAERASR.A		gi 4501881	actin, alpha 1, skeletal muscle [Homo sapiens]
43.55	62.8	675 - 697	R.CIIPNETKTPGAMEHELVLHQLR.C	Propionamide : 1	gi 297486816	PREDICTED: myosin, heavy chain 4, skeletal muscle [Bos taurus]
160.13	108.2	240 - 255	R.SYELPDGQVITIGNER.F		gi 76643943	PREDICTED: myosin, heavy chain 8, skeletal muscle, perinatal isoform 2 [Bos taurus]
-17.90	44.2	1867 - 1877	R.LQDLVDKLQAK.V		gi 194676388	PREDICTED: similar to Actin, cytoplasmic 2 (Beta-actin-2) [Bos taurus]
110.07	68.9	65 - 84	K.RQNKDLMELQALIDSHFEAR.K		gi 297486814	PREDICTED: myosin, heavy chain 8, skeletal muscle, perinatal [Bos taurus]
17.72	33.0	180 - 193	R.LDLAGRDLTDYLMK.I		gi 21039002	troponin T fast skeletal muscle type [Bos taurus]
-43.26	27.9	137 - 143	K.YLYEIAR.R		gi 4885049	cardiac muscle alpha actin 1 proprotein [Homo sapiens]
27.48	77.6	1194 - 1212	R.KKHADSVAELSEQIDNLQR.V		gi 229552	albumin
-43.53	54.0	1564 - 1572	R.IQLELNQVK.S		gi 41386711	myosin, heavy chain 7, cardiac muscle, beta [Bos

						taurus]
56.43	39.4	1734 - 1754	K.KLETDTIQIGEMEDILQEAR.N	Deamidated: 8; Deamidated: 0	gi 297486816	PREDICTED: myosin, heavy chain 4, skeletal muscle [Bos taurus]
-13.30	52.7	232 - 240	R.FLGDEETVR.K		gi 261245063	myosin heavy chain IIa [Bos taurus]
2.10	41.4	85 - 95	K.IWHHTFYNELR.V		gi 84000195	phosphoglycerate mutase 2 (muscle) [Bos taurus]
15.77	56.7	1903 - 1925	K.LQHELEEAERADIAESQVNKLR.V		gi 22655316	beta-actin [Bos taurus]
25.17	54.7	1826 - 1837	R.ELEGEVESEQKR.N		gi 119911910	PREDICTED: myosin, heavy chain 4, skeletal muscle [Bos taurus]
-8.14	74.9	1400 - 1413	R.LQDAEEHVEAVNAK.C		gi 261245063	myosin heavy chain IIa [Bos taurus]
-12.09	82.2	411 - 425	R.KVPQVSTPTLVEVSR.S		gi 41386691	myosin, heavy chain 1, skeletal muscle, adult [Bos taurus]
-1.26	43.0	1869 - 1879	R.LQDLVDKLQAK.V		gi 229552	albumin
5.49	52.2	116 - 129	K.ADYIKEMLTTQAER.F		gi 75055812	Myosin-2 (Myosin heavy chain 2) (Myosin heavy chain 2a) (MyHC-2a) (Myosin heavy chain, skeletal muscle, adult 2)
8.34	63.2	1283 - 1294	R.GRLQTESGEFSR.Q		gi 296478466	myosin regulatory light chain 2, ventricular/cardiac muscle isoform [Bos taurus]
162.84	57.4	133 - 160	H.HQSGSGSGSGSGSPGSGGAGGP GGHSGR.G	Dehydrated: 4; Dehydrated: 6	gi 261245063	myosin heavy chain IIa [Bos taurus]
-20.39	67.7	52 - 78	K.AAAAPAPAPAPPPAPEPSKEPEFD PSK.I		gi 113911880	MYOZ1 protein [Bos taurus]

-22.88	36.3	698 - 706	R.CNGVLEGIR.I	Propionamide : 1	gi 194677365	PREDICTED: myosin, light chain 3, alkali; ventricular, skeletal, slow [Bos taurus]
4.52	69.3	100 - 115	A.PEEHPTLLTEAPLNPK.A		gi 297486814	PREDICTED: myosin, heavy chain 8, skeletal muscle, perinatal [Bos taurus]
-17.03	27.4	474 - 487	K.VVVAADKAKEQEVK.A		gi 27819614	actin, alpha 1, skeletal muscle [Bos taurus]
5.96	43.0	277 - 297	R.ILAQMTGTGYMQDPDEEALRR.S		gi 297465038	PREDICTED: titin [Bos taurus]
-6.13	82.3	6 - 17	K.VVLEGPAPWGFR.L		gi 296472045	LIM domain binding 3 [Bos taurus]
5.97	65.2	1703 - 1715	R.KIAEQELLDASER.V		gi 62988302	PDZ and LIM domain 7 isoform 1 [Bos taurus]
-56.86	28.9	323 - 327	A.PSTMK.I		gi 76643943	PREDICTED: myosin, heavy chain 8, skeletal muscle, perinatal isoform 2 [Bos taurus]
-0.39	26.4	371 - 386	K.QREEQAEPDGTADVADK.A		gi 4501889	actin, gamma 2 propeptide [Homo sapiens]
-0.05	55.5	205 - 215	K.EKIPLHVFSPK.Y		gi 76643943	PREDICTED: myosin, heavy chain 8, skeletal muscle, perinatal isoform 2 [Bos taurus]
-11.11	46.9	29 - 39	R.AVFPSIVGRPR.H		gi 116875781	PDZ and LIM domain 5 [Bos taurus]
-10.05	25.8	138 - 153	K.QLPPVVPVSKPGTLRR.S	Gln->pyro-Glu: 1	gi 22655316	beta-actin [Bos taurus]
2.82	101.9	1760 - 1774	K.KAITDAAMMAEELKK.E		gi 62460526	telethonin [Bos taurus]
-5.90	53.4	1369 - 1377	K.ANTEVAQWR.T		gi 76643943	PREDICTED: myosin, heavy chain 8, skeletal

						muscle, perinatal isoform 2 [Bos taurus]
6.04	50.4	78 - 91	K.ATDAEADVASLNRR.I		gi 261245063	myosin heavy chain IIa [Bos taurus]
-4,328.20	31.4	36 - 48	T.ECFVPDDKEEFVK.A	Dehydrated: 2; Propionamide : 2	gi 61888866	tropomyosin alpha-1 chain [Bos taurus]
9.80	74.6	1197 - 1210	K.ISMPDVDLNLGPK.V		gi 297479068	PREDICTED: myosin, heavy polypeptide 6, cardiac muscle, alpha-like [Bos taurus]
28.38	36.2	18 - 38	R.LQGGKDFNMPLTISSLKDGGK.A	Deamidated: 8	gi 297464894	PREDICTED: AHNAK nucleoprotein isoform 1 [Bos taurus]
-43.53	54.0	1564 - 1572	R.IQLELNQVK.S		gi 116875781	PDZ and LIM domain 5 [Bos taurus]
11.65	50.9	1792 - 1806	K.DLQHRLEAEQIALK.G		gi 41386691	myosin, heavy chain 1, skeletal muscle, adult [Bos taurus]
20.03	35.1	770 - 780	K.AGLLGILEEMR.D	Oxidation: 10	gi 41386711	myosin, heavy chain 7, cardiac muscle, beta [Bos taurus]
-5.93	22.8	713 - 719	R.ILYGDFR.Q		gi 297486816	PREDICTED: myosin, heavy chain 4, skeletal muscle [Bos taurus]
-11.45	56.2	1066 - 1078	R.IGQPGAVGPAGIR.G		gi 41386711	myosin, heavy chain 7, cardiac muscle, beta [Bos taurus]
-3.86	39.6	1311 - 1322	K.QAFTQQIEELKR.Q		gi 27806257	collagen, type I, alpha 2 [Bos taurus]
8.75	83.1	65 - 79	K.HGNTVLTALGGILKK.K		gi 261245063	myosin heavy chain IIa [Bos taurus]

-11.72	53.4	2 - 15	M.SDKPNMAEIEKFDK.S	Carbamyl: 1	gi 73586735	Myoglobin [Bos taurus]
3.29	49.6	1118 - 1132	R.IEEEEIEAERASR.A		gi 297460793	PREDICTED: thymosin, beta 4 [Bos taurus]
16.54	45.3	28 - 38	R.AVFPSIVGRPR.H		gi 76643943	PREDICTED: myosin, heavy chain 8, skeletal muscle, perinatal isoform 2 [Bos taurus]
17.72	28.4	355 - 366	K.LTGAVMHYGNLK.F		gi 157878210	Chain A, Structure Of Bovine Beta-Actin-Profilin Complex With Actin Bound Atp Phosphates Solvent Accessible
47.01	38.3	496 - 509	T.TKQEQVHVTHEQIR.K		gi 261245063	myosin heavy chain IIa [Bos taurus]
-11.41	35.3	800 - 815	P.SGAPGPQGPTGVTGPK.G	Didehydro: 10; Didehydro: 3	gi 297471578	PREDICTED: titin [Bos taurus]
-12.49	86.1	101 - 119	K.VTIAQGGVLPNIQAVLLPK.-		gi 164414427	collagen, type II, alpha 1 isoform 2 [Bos taurus]
268.86	48.0	53 - 76	K.ADMNTFPNFTFEDPKFEVVEKPQ S.-	Deamidated: 8	gi 296489557	histone H2A type 2-C [Bos taurus]
-3.34	63.7	1717 - 1731	R.VQLLHTQNTSLINTK.K		gi 268612219	Chain V, The Structure Of The Membrane Extrinsic Region Of Bovine Atp Synthase
-43.53	54.0	1566 - 1574	R.IQLELNQVK.S		gi 119911910	PREDICTED: myosin, heavy chain 4, skeletal muscle [Bos taurus]
31.76	64.5	25 - 45	N.AKVAVLGASGGIGQPLSLLK.N		gi 261245063	myosin heavy chain IIa [Bos taurus]
21.42	86.3	157 - 172	K.LSVEALNSLTGEFKGK.Y		gi 118572778	Malate dehydrogenase,

						mitochondrial precursor
-47.88	83.2	437 - 451	K.VGEATETALTTLVEK.M		gi 60097925	muscle creatine kinase [Bos taurus]
-9.43	58.5	1376 - 1393	R.TKYETDAIQRTEEELEAK.K		gi 296473283	sarcoplasmic/endoplasmic reticulum calcium ATPase 1 [Bos taurus]
12.60	66.8	1901 - 1912	R.KLQHELEEAEEER.A		gi 297486814	PREDICTED: myosin, heavy chain 8, skeletal muscle, perinatal [Bos taurus]
-13.15	46.2	336 - 344	L.FSVPVIYER.H		gi 297486816	PREDICTED: myosin, heavy chain 4, skeletal muscle [Bos taurus]
20.08	53.7	1914 - 1925	R.ADIAESQVNKL.R.V		gi 164259354	reticulon 4 isoform 2 [Bos taurus]
18.76	62.4	360 - 375	I.TKQEYDEAGPSIVHRK.C		gi 119911910	PREDICTED: myosin, heavy chain 4, skeletal muscle [Bos taurus]
-3.86	39.6	1309 - 1320	K.QAFTQQIEELKR.Q		gi 134024776	Actin, alpha 1, skeletal muscle [Bos taurus]
-29.89	53.3	34 - 41	F.PSIVGRPR.H		gi 41386691	myosin, heavy chain 1, skeletal muscle, adult [Bos taurus]
20.03	35.1	770 - 780	K.AGLLGLLEEMR.D	Oxidation: 10	gi 4501883	alpha 2 actin [Homo sapiens]
0.35	84.7	1507 - 1525	K.NLQQEISDLTEQIAEGGKR.I	Deamidated: 4	gi 76643943	PREDICTED: myosin, heavy chain 8, skeletal muscle, perinatal isoform 2 [Bos taurus]
12.80	62.9	8 - 29	K.GPVMTTTTGDLTEPVPLDLGKK.L		gi 41386691	myosin, heavy chain 1, skeletal muscle, adult [Bos taurus]

-15.70	45.1	190 - 197	K.TYISPWEK.A		gi 118151164	myozenin-3 [Bos taurus]
1.54	58.7	19 - 28	K.AGFAGDDAPR.A		gi 113911880	MYOZ1 protein [Bos taurus]
-11.80	106.2	1145 - 1168	R.ELEEISERLEEAGGATSAQIEMNK.K		gi 4501887	actin, gamma 1 propeptide [Homo sapiens]
-44.70	47.9	32 - 40	V.FPSIVGRPR.H		gi 297486816	PREDICTED: myosin, heavy chain 4, skeletal muscle [Bos taurus]
5.82	67.8	1064 - 1082	K.LAQESTMDIENDKQQLDEK.L		gi 4501889	actin, gamma 2 propeptide [Homo sapiens]
33.81	49.4	1761 - 1784	K.AITDAAMMAEELKKEQDTSABLE R.M		gi 297486816	PREDICTED: myosin, heavy chain 4, skeletal muscle [Bos taurus]
-33.59	89.0	1182 - 1196	L.EEATLQHEATAAALR.K		gi 76643943	PREDICTED: myosin, heavy chain 8, skeletal muscle, perinatal isoform 2 [Bos taurus]
3.67	64.0	413 - 426	R.IEEALGDKAVFAGR.K		gi 297486816	PREDICTED: myosin, heavy chain 4, skeletal muscle [Bos taurus]
15.41	47.6	1251 - 1260	R.TLEDQMNEHR.S		gi 77736349	enolase 3 (beta, muscle) [Bos taurus]
12.65	40.1	219 - 229	K.LRDWHHEVSAR.A		gi 41386711	myosin, heavy chain 7, cardiac muscle, beta [Bos taurus]
-11.76	66.1	1367 - 1375	K.ANSEVAQWR.T		gi 116875781	PDZ and LIM domain 5 [Bos taurus]
-29.08	31.7	199 - 208	R.GYSFVTTAER.E		gi 297486814	PREDICTED: myosin, heavy chain 8, skeletal muscle, perinatal [Bos taurus]
12.55	47.8	546 -	K.QITQETIIQ.K		gi 4501881	actin, alpha 1,

		554				skeletal muscle [Homo sapiens]
32.77	48.9	33 - 56	R.AAVPSGASTGIYEALERDGDKSR.Y		gi 297471578	PREDICTED: titin [Bos taurus]
43.55	63.0	675 - 697	R.CIIPNETKTPGAMEHELVHQLR.C	Propionamide : 1	gi 77736349	enolase 3 (beta, muscle) [Bos taurus]
-22.88	36.2	698 - 706	R.CNGVLEGIR.I	Propionamide : 1	gi 297486814	PREDICTED: myosin, heavy chain 8, skeletal muscle, perinatal [Bos taurus]
5.08	48.9	85 - 95	R.KKEEEELVALK.E		gi 41386691	myosin, heavy chain 1, skeletal muscle, adult [Bos taurus]
1.44	49.9	191 - 205	R.RKPLNIDHLSKDCLR.D		gi 21039002	troponin T fast skeletal muscle type [Bos taurus]
1.54	58.7	21 - 30	K.AGFAGDDAPR.A		gi 21038998	troponin T fast skeletal muscle type [Bos taurus]
-16.17	42.9	159 - 167	R.HVLATLGEK.L		gi 27819614	actin, alpha 1, skeletal muscle [Bos taurus]
2.82	101.9	1762 - 1776	K.KAITDAAMMAEELKK.E		gi 270483786	myosin light chain 3 [Bos taurus]
-97.96	65.8	1274 - 1282	R.LINDLTTQR.G		gi 261245063	myosin heavy chain IIa [Bos taurus]
1.93	85.7	695 - 710	K.KAEAVATVVAVDQAR.V		gi 75055812	Myosin-2 (Myosin heavy chain 2) (Myosin heavy chain 2a) (MyHC-2a) (Myosin heavy chain, skeletal muscle, adult 2)
-54.13	97.5	144 - 160	K.IVSNASCTTNCLAPLAK.V	Propionamide : 7; Propionamide : 1	gi 297471578	PREDICTED: titin [Bos taurus]
16.98	54.0	868 - 888	R.VRAEPTPSPQFPFAETPETFK.S		gi 77404273	glyceraldehyde-3-phosphate dehydrogenase [Bos taurus]
-14.50	68.1	155 -	K.EALIQDLER.K		gi 297471578	PREDICTED: titin

		163				[Bos taurus]
13.35	48.6	124 - 146	K.SLLSGEEKENLPDYMVPIFSGR.Q		gi 296485311	myotilin [Bos taurus]
16.97	84.7	42 - 63	R.HQGVMVGMGQKDSYVGDEAQS K.R		gi 300795118	myomesin-1 [Bos taurus]
11.65	50.9	1795 - 1809	K.DLQHRLEAEQLALK.G		gi 4885049	cardiac muscle alpha actin 1 proprotein [Homo sapiens]
20.45	97.6	945 - 955	R.KLEDECSELKK.D	Propionamide : 6	gi 297486816	PREDICTED: myosin, heavy chain 4, skeletal muscle [Bos taurus]
-4.01	74.0	1180 - 1197	R.DLEEATLQHEATAAALRK.K		gi 41386691	myosin, heavy chain 1, skeletal muscle, adult [Bos taurus]
5.03	98.0	130 - 149	D.PLAITSSLSSDGVLTVNGPR.K		gi 76643943	PREDICTED: myosin, heavy chain 8, skeletal muscle, perinatal isoform 2 [Bos taurus]
7.52	38.3	1734 - 1754	K.KLETDTIQIGEMEDILQEAR.N	Deamidated: 10	gi 27805849	crystallin, alpha B [Bos taurus]
3.51	30.2	148 - 155	R.IDFDEFLK.M		gi 75055812	Myosin-2 (Myosin heavy chain 2) (Myosin heavy chain 2a) (MyHC-2a) (Myosin heavy chain, skeletal muscle, adult 2)
197.82	101.8	41 - 63	R.HQGVMVGMGQKDSYVGDEAQS KR.G		gi 115496828	fast skeletal muscle troponin C [Bos taurus]
-19.19	55.2	138 - 152	K.QLPPVVPVSKPGTLR.R	Gln->pyro-Glu: 1	gi 4501889	actin, gamma 2 propeptide [Homo sapiens]
18.13	67.9	106 - 125	R.LATALQKLEEAKEADESER.G		gi 62460526	telethonin [Bos taurus]
25.96	26.3	1655 - 1679	K.DTQIHLDDALRGQEDLKEQLAMV ER.R	Deamidated: 3	gi 61888866	tropomyosin alpha-1 chain [Bos taurus]
-1.15	74.4	315 - 328	R.MQKEITALAPSTMK.I		gi 41386691	myosin, heavy chain 1, skeletal

						muscle, adult [Bos taurus]
4.92	45.6	1309 - 1322	R.GKQAF ^T QQIEELKR.Q	Deamidated: 3	gi 4885049	cardiac muscle alpha actin 1 proprotein [Homo sapiens]
-12.68	42.0	675 - 682	R.CIIPNETK.T	Propionamide : 1	gi 75055812	Myosin-2 (Myosin heavy chain 2) (Myosin heavy chain 2a) (MyHC- 2a) (Myosin heavy chain, skeletal muscle, adult 2)
-54.04	98.7	1185 - 1198	E.EATLQHEATAAALR.K		gi 41386691	myosin, heavy chain 1, skeletal muscle, adult [Bos taurus]
-46.03	65.9	316 - 326	K.EITALAPSTMK.I		gi 75055812	Myosin-2 (Myosin heavy chain 2) (Myosin heavy chain 2a) (MyHC- 2a) (Myosin heavy chain, skeletal muscle, adult 2)
120.66	94.3	262 - 274	K.LASADIETYLLEK.S		gi 22655316	beta-actin [Bos taurus]
-10.40	38.9	87 - 97	R.LWSPQVTE ^D GK.A		gi 119911910	PREDICTED: myosin, heavy chain 4, skeletal muscle [Bos taurus]
10.17	82.0	1757 - 1771	K.KAITDAAMMAEELKK.E		gi 77736235	PDZ and LIM domain protein 3 [Bos taurus]
-34.97	64.6	94 - 106	K.GADPEDVITGAFK.V		gi 296483595	myosin-7 [Bos taurus]
-39.83	97.3	1231 - 1245	K.MEIDDLASNVETISK.A		gi 115497166	fast skeletal myosin light chain 2 [Bos taurus]
-4.42	57.3	433 - 447	R.VREPVISAVEQTAQR.T		gi 261245063	myosin heavy chain IIa [Bos taurus]
1.54	58.7	21 - 30	K.AGFAGDDAPR.A		gi 297465038	PREDICTED: titin [Bos taurus]
-41.64	46.8	51 - 61	K.DSYVGDEA ^Q SK.R		gi 4501881	actin, alpha 1,

						skeletal muscle [Homo sapiens]
-11.80	106.2	1146 - 1169	R.ELEEISERLEEAGGATSAQIEMNK.K		gi 22655316	beta-actin [Bos taurus]
5.08	48.9	91 - 101	R.KKEEEELVALK.E		gi 119911910	PREDICTED: myosin, heavy chain 4, skeletal muscle [Bos taurus]
30.13	55.8	1716 - 1731	R.VQLLHTQNTSLINTKK.K		gi 21038998	troponin T fast skeletal muscle type [Bos taurus]
8.55	72.0	1965 - 1978	K.ISMPDIDLNLKGPK.V		gi 76643943	PREDICTED: myosin, heavy chain 8, skeletal muscle, perinatal isoform 2 [Bos taurus]
-74.95	51.7	199 - 213	R.GAAQNIIPASTGAAK.A		gi 297464894	PREDICTED: AHNAK nucleoprotein isoform 1 [Bos taurus]
7.28	74.0	770 - 780	K.AGLLGLLEEMR.D		gi 77404273	glyceraldehyde-3-phosphate dehydrogenase [Bos taurus]
15.53	64.1	497 - 510	R.ERMDQITAEKEER.A		gi 76643943	PREDICTED: myosin, heavy chain 8, skeletal muscle, perinatal isoform 2 [Bos taurus]
-13.37	66.1	6127 - 6138	K.ITVVQDTPEILR.V		gi 139948281	synaptopodin 2 [Bos taurus]
20.03	35.1	767 - 777	K.AGLLGLLEEMR.D	Oxidation: 10	gi 119887683	PREDICTED: nebulin [Bos taurus]
-12.84	66.1	1283 - 1291	K.ADIDISGPK.V		gi 41386711	myosin, heavy chain 7, cardiac muscle, beta [Bos taurus]
9.60	72.1	21 - 30	K.AGFAGDDAPR.A		gi 297464894	PREDICTED: AHNAK nucleoprotein isoform 1 [Bos taurus]

27.33	68.3	1376 - 1385	R.TKYETDAIQR.T		gi 146327386	ACTA2 protein [Bos taurus]
-1.15	74.4	313 - 326	R.MQKEITALAPSTMK.I		gi 76643943	PREDICTED: myosin, heavy chain 8, skeletal muscle, perinatal isoform 2 [Bos taurus]
7.85	93.3	644 - 655	K.GSSFQTVSALFR.E		gi 4501887	actin, gamma 1 propeptide [Homo sapiens]
84.93	32.2	1681 - 1700	R.ANLLQAEIEELRATLEQTER.S	Deamidated: 2; Deamidated: 5	gi 41386691	myosin, heavy chain 1, skeletal muscle, adult [Bos taurus]
-18.21	21.4	1333 - 1341	A.LAHALQSAR.H		gi 41386691	myosin, heavy chain 1, skeletal muscle, adult [Bos taurus]
0.28	31.4	36 - 48	K.DVFVPDDKEEFVK.A		gi 119911910	PREDICTED: myosin, heavy chain 4, skeletal muscle [Bos taurus]
-22.28	51.7	35 - 49	K.SSAIYTHGSTAYSSR.S		gi 297459506	PREDICTED: myosin, heavy polypeptide 6, cardiac muscle, alpha-like [Bos taurus]
187.25	63.6	1683 - 1702	R.ANLLQAEIEELRATLEQTER.S		gi 300795118	myomesin-1 [Bos taurus]
13.48	87.5	964 - 982	K.HQPYQLNASLFTFQPPDAK.D		gi 75055812	Myosin-2 (Myosin heavy chain 2) (Myosin heavy chain 2a) (MyHC-2a) (Myosin heavy chain, skeletal muscle, adult 2)
-46.12	96.0	192 - 205	R.VIQYFATIAVTGEK.K		gi 139948281	synaptopodin 2 [Bos taurus]
-16.94	49.1	33 - 41	V.FPSIVGRPR.H		gi 261245063	myosin heavy chain IIa [Bos taurus]
-22.28	51.6	35 - 49	K.SSAIYTHGSTAYSSR.S		gi 134024776	Actin, alpha 1, skeletal muscle

						[Bos taurus]
-16.88	70.6	41 - 51	R.HQGV MVGMGQK.D		gi 297489712	PREDICTED: myomesin 1, 185kDa isoform 1 [Bos taurus]
7.46	86.6	696 - 710	K.AEAVATVVA AVDQAR.V		gi 4501889	actin, gamma 2 propeptide [Homo sapiens]
-16.17	42.9	152 - 160	R.HVLATLGEK.M		gi 297471578	PREDICTED: titin [Bos taurus]
0.88	63.4	163 - 176	R.ALPFWNDEIAPQIK.A		gi 118601750	fast skeletal myosin alkali light chain 1 [Bos taurus]
0.72	35.9	154 - 166	K.NLVHIITHGEEKD.-		gi 84000195	phosphoglycerate mutase 2 (muscle) [Bos taurus]
-24.93	89.3	1293 - 1306	R.QLDEKDALVSQLSR.T		gi 296478466	myosin regulatory light chain 2, ventricular/cardia c muscle isoform [Bos taurus]
-45.94	65.7	252 - 264	K.SIDDLEDELYAQK.L		gi 76643943	PREDICTED: myosin, heavy chain 8, skeletal muscle, perinatal isoform 2 [Bos taurus]
33.81	49.4	1761 - 1784	K.AITDAAMMAEELKKEQD TSAHLE R.M		gi 61888866	tropomyosin alpha-1 chain [Bos taurus]
					gi 41386691	myosin, heavy chain 1, skeletal muscle, adult [Bos taurus]