Table S7: Dimethylated (naturally unmodified) N-termini identified in the TAILS experiment comparing wild-type and *Ctsb*$^{-/-}$ skin (replicate 1). This is a comprehensive, non redundant listing. Up to two potential protein IDs per peptide are stated.

Non Prime Site	Prime Site	Modifications	Hyperscore	Mass error in ppm	Charge	Precursor neutral mass in Da	Fold change (log_2) of ASAPRatio	FC-error of ASAPRatio	Uniprot ID 1	Uniprot ID 2	Protein Name 1	Protein Name 2
QTATQQAQLA	AAAEIDEEPVSKAKQSR	N-ter +34.06 Da, K +34.06 Da	28.7	88.0	4	1930.29	0.28	0.04	NACAM_MOUSE	NACA_MOUSE	Nascent polypeptide-associated complex subunit alpha, muscle-specific form;	Alpha-NAC, muscle-specific form;
RRAPAAQPPA	AAAPSAVGSPAAAPR	N-ter +28.03 Da	45.2	50.3	3	1320.78	0.23	0.04	CHCH2_MOUSE	B2RPU8_MOUSE	Coiled-coil-helix-coiled-coil-helix domain-containing protein 2, mitochondrial;	
DLLATGGTMF	AACDLLHQLR	N-ter +34.06 Da, C +57.02 Da	26.0	48.9	3	1229.74	-1.29	0.09	APT_MOUSE	Q6PK77_MOUSE	Adenine phosphoribosyltransferase;	
APFRPSSERF	AACTVEEILAKMEQPR	N-ter +34.06 Da, K +34.06 Da, C +57.02 Da	26.6	69.3	3	1913.17	-1.60	0.29	TB182_MOUSE		182 kDa tankyrase-1-binding protein;	
MIRFH	AADVKFAVEMYR	N-ter +28.03 Da, K +28.03 Da	28.8	78.9	3	1454.87	1.45	0.10	Q9D1Q5_MOUSE			
TATQQAQLAA	AAEIDEEPVSKAKQSR	N-ter +28.03 Da, K +28.03 Da	28.8	68.9	4	1841.12	1.69	0.07	NACAM_MOUSE	NACA_MOUSE	Nascent polypeptide-associated complex subunit alpha, muscle-specific form;	Alpha-NAC, muscle-specific form;
CGTCGQPADK	AAGGAGAQVGGSISSGSSASSVTVTR	N-ter +28.03 Da	91.5	51.3	3	2249.24	-1.60	0.19	LMNA_MOUSE		Prelamin-A/C;	
SQADCAVLIV	AAGVGEFEAGISKNGQTR	N-ter +28.03 Da, K +28.03 Da	26.0	56.3	3	1847.06	1.55	0.06	EF1A1_MOUSE	EF1A2_MOUSE	Elongation factor 1-alpha 1;	Elongation factor Tu;Eukaryotic elongation factor 1 A-1;
MTRPLEQAV	AAIVCTFQEYAGR	N-ter +34.06 Da, C +57.02 Da	30.7	34.2	3	1518.82	-1.29	0.13	S10A3_MOUSE		Protein S100-A3;	Protein S-100E;S100 calcium-binding protein A3;
TAGAGVRARR	AALDQTSGLPGGAAQDPGGR	N-ter +34.06 Da	40.6	53.0	3	1872.05	-0.54	0.02	ATS2_MOUSE		A disintegrin and metalloproteinase with thrombospondin motifs 2;	Procollagen I N-proteinase;Procollagen I/II amino propeptide-processing enzyme;Procollagen N-endopeptidase;
PFAGGGYRLG	AAPEEESAYVAGER	N-ter +34.06 Da	40.9	52.5	3	1511.81	-0.20	0.03	NSF1C_MOUSE		NSFL1 cofactor p47;	p97 cofactor p47;
LRAMRGIVNG	AAPELPVPTGGPMAGAR	N-ter +28.03 Da	41.2	41.9	3	1618.92	0.19	0.01	VATB2_MOUSE		V-type proton ATPase subunit B, brain isoform;	Endomembrane proton pump 58 kDa subunit;Vacuolar proton pump subunit B 2;
EEKERALYAD	AAPGDKNLLLHYPDGR	N-ter +34.06 Da, K +34.06 Da	32.2	61.8	4	1804.14	-0.54	0.05	SRCA_MOUSE		Sarcalumenin;	
YALSSPLQLL	AAQASSSTPVVITR	N-ter +34.06 Da	31.9	51.1	3	1420.88	-0.32	0.02	FOXK1_MOUSE	E9Q4K6_MOUSE	Forkhead box protein K1;	Myocyte nuclear factor;
NSVQSGNLAL	AASAAAVDAGMAMAGQSPVLR	N-ter +34.06 Da	56.8	41.2	3	1978.10	0.35	0.02	PTBP1_MOUSE	Q922I7_MOUSE	Polypyrimidine tract-binding protein 1;	Heterogeneous nuclear ribonucleoprotein I;
GTKASKPMKP	AASDLPVPAEGVR	N-ter +34.06 Da	37.8	31.7	2	1314.78	-0.58	0.02	Q8VCQ8_MOUSE	E9Q0M9_MOUSE		
QHLKSVMLQI	AATELEKEESR	N-ter +34.06 Da, K +34.06 Da	32.1	73.5	3	1329.84	0.01	0.00	TNNI2_MOUSE	A2A6K0_MOUSE	Troponin I, fast skeletal muscle;	Troponin I, fast-twitch isoform;
QTQDPLYGYF	AAVAGQDGQIDADELQR	N-ter +28.03 Da	59.4	48.5	3	1783.96	-3.32	0.33	SORCN_MOUSE	F6T867_MOUSE	Sorcin;	
DLYTAKGLFR	AAVPSGASTGIYEALELR	N-ter +28.03 Da	53.2	45.4	3	1832.05	0.80	0.08	ENOA_MOUSE	ENOB_MOUSE	Alpha-enolase;	2-phospho-D-glycerate hydro-lyase;Enolase 1;Non-neural enolase;
MVHLTDAEK	AAVSCLWGKVNSDEVGGEALGR	N-ter +34.06 Da, K +34.06 Da, C +57.02 Da	49.0	74.9	4	2342.41	-4.06	0.68	HBB1_MOUSE		Hemoglobin subunit beta-1;	Beta-1-globin;Hemoglobin beta-1 chain;Hemoglobin beta-major chain;
LWLLPSLALA	AAVTEPADLEYTEVPR	N-ter +34.06 Da	46.3	38.5	3	1793.99	-0.79	0.04	Q8BVL6_MOUSE			
LSGEDKSNIK	AAWGKIGGHGAEYGAEALER	N-ter +34.06 Da, K +34.06 Da	45.5	61.2	4	2110.25	-3.47	0.39	HBA_MOUSE	Q91VB8_MOUSE	Hemoglobin subunit alpha;	Alpha-globin;Hemoglobin alpha chain;
SVTREDSGQY	AAYISNAVGAAYSSAR	N-ter +34.06 Da	32.5	75.7	3	1604.96	-6.64	0.00	OBSCN_MOUSE	E9QQ96_MOUSE	Obscurin;	Obscurin-RhoGEF;Obscurin-myosin light chain kinase;
QPFPPTVPTK	ACDTTILKTR	N-ter +28.03 Da, K +28.03 Da, C +57.02 Da	19.3	119.3	3	1233.82	3.72	0.27	CG031_MOUSE		Uncharacterized protein C7orf31 homolog;	Protein TISP74;
M	ACGLVASNLNLKPGECLKVR	N-ter +28.03 Da, K +28.03 Da, C +57.02 Da	36.0	62.7	4	2282.40	0.21	0.02	LEG1_MOUSE		Galectin-1;	14 kDa lectin;Beta-galactoside-binding lectin L-14-I;Galaptin;Lactose-binding lectin 1;Lectin galactoside-binding soluble 1;S-Lac lectin 1;
YEKRMAMEVA	ADALGEEWKGYVVR	N-ter +28.03 Da, K +28.03 Da	26.4	84.3	3	1648.00	-1.56	0.18	RS6_MOUSE	D3YX41_MOUSE	40S ribosomal protein S6;	Phosphoprotein NP33;
LLLESYTSHG	ADANLEAGSLKETR	N-ter +34.06 Da, K +34.06 Da	29.6	63.7	3	1541.97	0.19	0.03	FBN1_MOUSE	A2AQ53_MOUSE	Fibrillin-1;	
IQNLHSFDPF	ADASKGDDLLPAGTEDYIHIR	N-ter +34.06 Da, K +34.06 Da	64.4	71.6	4	2324.40	0.90	0.10	EIF1_MOUSE		Eukaryotic translation initiation factor 1;	Protein translation factor SUI1 homolog;
IQNLQSFDPF	ADATKGDDLLPAGTEDYIHIR	N-ter +28.03 Da, K +28.03 Da	46.9	80.6	4	2326.37	1.99	0.21	EIF1B_MOUSE		Eukaryotic translation initiation factor 1b;	
ALMLQGVDLL	ADAVAVTMGPKGR	N-ter +28.03 Da, K +28.03 Da	35.8	70.7	3	1327.82	0.54	0.06	CH60_MOUSE	D3Z2F2_MOUSE	60 kDa heat shock protein, mitochondrial;	60 kDa chaperonin;Chaperonin 60;HSP-65;Heat shock protein 60;Mitochondrial matrix protein P1;
LLSQVLLVTS	ADDLECTPGFQR	N-ter +28.03 Da, C +57.02 Da	24.5	54.3	3	1435.72	0.04	0.01	CAD13_MOUSE		Cadherin-13;	Heart cadherin;Truncated cadherin;
MSFSADQI	ADFKEAFLLFDR	N-ter +34.06 Da, K +34.06 Da	40.6	70.7	3	1538.99	0.41	0.11	E9PWG4_MOUSE			
VQISKKRKFV	ADGIFKAELNEFLTR	N-ter +34.06 Da, K +34.06 Da	24.7	55.5	3	1791.12	-1.06	0.18	RS3_MOUSE	D3YV43_MOUSE	40S ribosomal protein S3;	
EELRSPKLFY	ADHPFIFLVR	N-ter +34.06 Da	23.7	60.9	3	1247.80	-0.36	0.01	SERPH_MOUSE		Serpin H1;	47 kDa heat shock protein;Collagen-binding protein;Serine protease inhibitor J6;
VIDTQQKVKL	ADIQIEQLNR	N-ter +34.06 Da	38.3	23.3	2	1232.72	0.66	0.03	PFD1_MOUSE	Q9CQF7_MOUSE	Prefoldin subunit 1;	
ALHAAAWKGY	ADIVQLLLAKGAR	N-ter +34.06 Da, K +34.06 Da	29.6	80.5	3	1435.07	-1.56	0.23	OSTF1_MOUSE		Osteoclast-stimulating factor 1;	SH3 domain protein 3;
VPRPEDTLTY	ADLDMVHLSR	N-ter +28.03 Da	35.5	62.3	3	1183.68	0.41	0.04	SHPS1_MOUSE	Q6P6I8_MOUSE	Tyrosine-protein phosphatase non-receptor type substrate 1;	Brain Ig-like molecule with tyrosine-based activation motifs;CD172 antigen-like family member A;Inhibitory receptor SHPS-1;MyD-1 antigen;Signal-regulatory protein alpha-1;p84;
AGDEESYEVF	ADLFDPVIKLR	N-ter +34.06 Da, K +34.06 Da	38.0	57.6	3	1353.94	-0.43	0.22	KCRS_MOUSE		Creatine kinase S-type, mitochondrial;	Basic-type mitochondrial creatine kinase;Sarcomeric mitochondrial creatine kinase;
ASLFVVARIL	ADLNQQAPAPAPAER	N-ter +28.03 Da	45.4	48.5	3	1575.88	-0.22	0.02	KLF13_MOUSE		Krueppel-like factor 13;	Basic transcription element-binding protein 3;Erythroid transcription factor FKLF-2;RANTES factor of late activated T-lymphocytes 1;Transcription factor BTEB3;
LKGRVFEVSL	ADLQNDEVAFR	N-ter +34.06 Da	52.2	29.5	2	1310.71	1.10	0.07	RS3A_MOUSE	D3Z7W7_MOUSE	40S ribosomal protein S3a;	Protein TU-11;

Non Prime Site	Prime Site	Modifications	Hyperscore	Mass error in ppm	Charge	Precursor neutral mass in Da	Fold change (log_2) of ASAPRatio	FC-error of ASAPRatio	Uniprot ID 1	Uniprot ID 2	Protein Name 1	Protein Name 2
YSNISKDRRY	ADLTEDQLPSCESLKDTIAR	N-ter +34.06 Da, K +34.06 Da, C +57.02 Da	49.0	55.8	3	2329.34	0.07	0.01	PGAM1_MOUSE		Phosphoglycerate mutase 1;	BPG-dependent PGAM 1;Phosphoglycerate mutase isozyme B;
IWTTRHPVQG	ADLVQDLSISTCR	N-ter +34.06 Da, C +57.02 Da	36.0	40.8	3	1510.85	0.04	0.00	LYVE1_MOUSE		Lymphatic vessel endothelial hyaluronic acid receptor 1;	Cell surface retention sequence-binding protein 1;Extracellular link domain-containing protein 1;
RSGETEDTFI	ADLVVGLCTGQIKTGAPCR	N-ter +28.03 Da, K +28.03 Da, C +57.02 Da	61.0	57.7	3	2071.21	4.68	0.53	ENOB_MOUSE	ENOA_MOUSE	Beta-enolase;	2-phospho-D-glycerate hydro-lyase;Enolase 3;Muscle-specific enolase;Skeletal muscle enolase;
ALPSRMERWS	ADPLAPGAFCTQIVR	N-ter +34.06 Da, C +57.02 Da	41.9	52.4	3	1648.97	0.29	0.02	Q3URZ6_MOUSE	F7DBB3_MOUSE		
TRRGRRGAVS	ADSADELENGALLLQILQLSQLSSPIGQR	N-ter +34.06 Da	23.1	9.0	4	3112.71	-6.64	0.00	RHG36_MOUSE		Rho GTPase-activating protein 36;	
LLLPPPNAYA	ADTPGEATPPPR	N-ter +34.06 Da	27.1	80.7	3	1241.75	0.67	0.04	MESD_MOUSE	D3YVR4_MOUSE	LDLR chaperone MESD;	Mesoderm development candidate 2;Mesoderm development protein;
EKEKEPVQDY	ADVLNPLPECFYAVSR	N-ter +34.06 Da, C +57.02 Da	23.1	58.3	3	1884.08	-0.67	0.07	STAP1_MOUSE	E9PYX8_MOUSE	Signal-transducing adaptor protein 1;	Stem cell adaptor protein 1;
TLGISPFHEF	ADVVFTANDSGHR	N-ter +34.06 Da	56.0	70.0	3	1421.81	-1.79	0.12	TTHY_MOUSE		Transthyretin;	Prealbumin;
VREKEAQPLE	AEAPGVDLGILPEGR	N-ter +28.03 Da	42.8	43.8	3	1520.89	-0.36	0.03	NIBAN_MOUSE		Protein Niban;	Protein FAM129A;
VPYEPDSVVM	AEAPVGVETDLIDVGFTDDVKKGGPGR	N-ter +34.06 Da, K +34.06 Da	51.8	88.5	4	2843.83	-2.25	0.21	IST1_MOUSE	Q8BHC2_MOUSE	IST1 homolog;	
VLDDDREDLF	AEATEEVSLDSPER	N-ter +28.03 Da	45.6	69.2	3	1559.84	-0.03	0.00	SNX2_MOUSE		Sorting nexin-2;	
APVAPCENKF	AEDSAEAAVSVPESR	N-ter +34.06 Da	42.0	55.9	3	1550.85	0.99	0.10	CA174_MOUSE	E9PUH0_MOUSE	UPF0688 protein C1orf174 homolog;	
M	AEGQVLVLDGR	N-ter +28.03 Da	48.1	16.8	2	1183.68	0.00	0.00	RL13A_MOUSE	Q3TDS9_MOUSE	60S ribosomal protein L13a;	Transplantation antigen P198;Tum-P198 antigen;
AGDEETYEVF	AELFDPVIQER	N-ter +34.06 Da	34.4	8.0	2	1349.75	-0.60	0.05	KCRU_MOUSE	B0R0F0_MOUSE	Creatine kinase U-type, mitochondrial;	Acidic-type mitochondrial creatine kinase;Ubiquitous mitochondrial creatine kinase;
LEITESQSAD	AEPPPPPKPDLSR	N-ter +34.06 Da, K +34.06 Da	42.1	63.9	3	1467.97	-0.14	0.00	ZDHC5_MOUSE	E9QQ92_MOUSE	Palmitoyltransferase ZDHHC5;	Zinc finger DHHC domain-containing protein 5;
SLQLVSWTLA	AEPVDVLEAWGVHR	N-ter +34.06 Da	67.8	84.8	3	1611.00	0.25	0.02	Q9JLI2_MOUSE			
ARSKPSPQLS	AETPVAALPEFPR	N-ter +28.03 Da	28.9	54.9	3	1424.85	-0.23	0.01	E9Q0S6_MOUSE			
SAAGGSVTLM	AEVNLSQTVDADQLDLEQLSR	N-ter +34.06 Da	58.5	54.2	3	2377.35	-0.69	0.08	SYNEM_MOUSE	F6VN34_MOUSE	Synemin;	Desmuslin;
ISLEVSRGSR	AEVSTIHLQSPGR	N-ter +34.06 Da	51.8	69.8	3	1427.89	-1.56	0.14	SYNEM_MOUSE	F6VN34_MOUSE	Synemin;	Desmuslin;
KKPRGKMYSY	AFFVQTCR	N-ter +34.06 Da, C +57.02 Da	27.5	32.2	2	1061.59	0.45	0.02	HMGB1_MOUSE	HMGB2_MOUSE	High mobility group protein B1;	High mobility group protein 1;
PFDAGTYSCR	AFNELGEALAECKLDVR	N-ter +34.06 Da, K +34.06 Da, C +57.02 Da	33.1	76.3	3	2002.24	-1.89	0.28	MYPC2_MOUSE	F8WI34_MOUSE	Myosin-binding protein C, fast-type;	C-protein, skeletal muscle fast isoform;
PKHLSRKTLV	AFPQKVMPPPQAR	N-ter +28.03 Da, K +28.03 Da	34.4	56.3	3	1521.93	0.90	0.04	Q3U422_MOUSE			
SSVLTPTPPQ	AFTVIDQNR	N-ter +28.03 Da	32.6	30.5	2	1090.61	1.09	0.04	MLRS_MOUSE	F6ULR7_MOUSE	Myosin regulatory light chain 2, skeletal muscle isoform;	Fast skeletal myosin light chain 2;MLC2F;
DFRHTMHVGR	AGDAFGDTSFLTSKAR	N-ter +28.03 Da, K +28.03 Da	40.8	80.1	3	1698.99	-0.64	0.05	BORG4_MOUSE	A2A6Q2_MOUSE	Cdc42 effector protein 4;	Binder of Rho GTPases 4;
RTFGTTGERR	AGEEAADSPELPR	N-ter +28.03 Da	60.6	44.1	2	1368.71	-0.20	0.01	ADXL_MOUSE		Adrenodoxin-like protein, mitochondrial;	Ferredoxin-1-like protein;
FKRSGEGQED	AGELDFSGLLKR	N-ter +28.03 Da, K +28.03 Da	42.3	67.7	3	1360.86	-0.14	0.02	D3YU50_MOUSE	Q6P6L5_MOUSE		
VFVSEAGPAG	AGESKCPLMVKVLDAVR	N-ter +28.03 Da, K +28.03 Da, C +57.02 Da	21.4	68.3	4	1956.22	0.10	0.01	TTHY_MOUSE		Transthyretin;	Prealbumin;
VCDNGSGLCK	AGFAGDDAPR	N-ter +34.06 Da	39.6	39.6	2	1009.54	-0.69	0.07	ACTA_MOUSE	ACTB_MOUSE	Actin, aortic smooth muscle;	Alpha-actin-2;
M	AGGEAGVTLGQPHLSR	N-ter +28.03 Da	49.2	8.7	2	1576.85	5.53	0.72	IF2H_MOUSE		Eukaryotic translation initiation factor 2 subunit 3, Y-linked;	Eukaryotic translation initiation factor 2 subunit gamma, Y-linked;
GGPPPGPPPP	AGGGGGAAGAGGGPPPGPPGAGDR	N-ter +34.06 Da	76.8	56.8	3	1848.01	0.29	0.03	FUBP2_MOUSE		Far upstream element-binding protein 2;	KH type-splicing regulatory protein;
ENALGLDQQF	AGLDLNSSDNQSGGSTASKGR	N-ter +28.03 Da, K +28.03 Da	40.7	84.3	3	2077.18	0.00	0.00	DDX3X_MOUSE		ATP-dependent RNA helicase DDX3X;	D1Pas1-related sequence 2;DEAD box RNA helicase DEAD3;DEAD box protein 3, X-chromosomal;Embryonic RNA helicase;
YSGLQGLPGL	AGLHGDQGAPGPVGPAGPR	N-ter +28.03 Da	35.3	36.8	3	1737.95	0.65	0.03	CO1A2_MOUSE	E9Q6U9_MOUSE	Collagen alpha-2(I) chain;	Alpha-2 type I collagen;
MN	AGSDPVVIVSAAR	N-ter +28.03 Da	32.4	19.7	2	1268.73	0.37	0.01	THIC_MOUSE		Acetyl-CoA acetyltransferase, cytosolic;	Cytosolic acetoacetyl-CoA thiolase;
RGQSSSANRR	AGSSSGSGVQGASAGGLAADASR	N-ter +28.03 Da	75.4	55.3	3	1948.03	2.40	0.41	E9Q019_MOUSE	FILA_MOUSE		
IKVDKGVVPL	AGTNGETTTQGLDGLSER	N-ter +34.06 Da	39.3	52.3	3	1840.00	0.85	0.04	ALDOA_MOUSE	Q9CPQ9_MOUSE	Fructose-bisphosphate aldolase A;	Aldolase 1;Muscle-type aldolase;
QADCAVLIVA	AGVGEFEAGISKNGQTR	N-ter +34.06 Da, K +34.06 Da	37.6	64.0	3	1788.10	0.33	0.02	EF1A1_MOUSE	EF1A2_MOUSE	Elongation factor 1-alpha 1;	Elongation factor Tu;Eukaryotic elongation factor 1 A-1;
GARGAQVRGN	AGVSDGSEVAKAQKAAPGGASPTIFSR	N-ter +34.06 Da, K +34.06 Da	33.6	58.2	4	2660.65	-0.07	0.01	HINT2_MOUSE		Histidine triad nucleotide-binding protein 2, mitochondrial;	HINT-3;
QMSYGYDEKS	AGVSVPGPMGPSGPR	N-ter +28.03 Da	47.6	54.9	3	1392.80	1.06	0.07	CO1A1_MOUSE	F8WGB7_MOUSE	Collagen alpha-1(I) chain;	Alpha-1 type I collagen;
KQVSLAYVEA	AGYLTEPVNR	N-ter +34.06 Da	32.2	16.6	2	1152.65	0.07	0.00	GPDM_MOUSE	A2AQR0_MOUSE	Glycerol-3-phosphate dehydrogenase, mitochondrial;	Protein TISP38;
VLLGTLPARA	AHEDPVEKVIEGFSR	N-ter +34.06 Da, K +34.06 Da	36.9	105.3	4	1780.17	0.25	0.00	SBSN_MOUSE	E9QPB2_MOUSE	Suprabasin;	
RAISTSVCLR	AHGSVVKSEDYAFPTYADR	N-ter +34.06 Da, K +34.06 Da	21.9	62.8	4	2180.25	0.33	0.03	COX41_MOUSE		Cytochrome c oxidase subunit 4 isoform 1, mitochondrial;	Cytochrome c oxidase polypeptide IV;Cytochrome c oxidase subunit IV isoform 1;
LTDPAPATTF	AHLDATTVLSR	N-ter +34.06 Da	30.5	36.4	3	1216.74	-0.60	0.01	ATPB_MOUSE		ATP synthase subunit beta, mitochondrial;	
DRQKEVNENF	AIDLIAQQPVNEVEHR	N-ter +28.03 Da	51.3	62.5	3	1859.11	0.08	0.00	NDUS6_MOUSE	D3YW32_MOUSE	NADH dehydrogenase [ubiquinone] iron-sulfur protein 6, mitochondrial;	Complex I-13kD-A;NADH-ubiquinone oxidoreductase 13 kDa-A subunit;
SLAEHYDILC	AIETSAKDSSNVEEAFTR	N-ter +34.06 Da, K +34.06 Da	16.9	64.6	4	2022.18	-1.52	0.13	RAB43_MOUSE	Q91Z34_MOUSE	Ras-related protein Rab-43;	
AAAAAAASRI	AIPGLAGAGNSVLLVSNLNPER	N-ter +34.06 Da	56.3	51.1	3	2195.36	-1.89	0.28	PTBP1_MOUSE	Q922I7_MOUSE	Polypyrimidine tract-binding protein 1;	Heterogeneous nuclear ribonucleoprotein I;

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AMRILGGVIS	AISEAAAQYNPEPPPPR	N-ter +28.03 Da	45.0	48.5	3	1835.01	0.00	0.00	CPNS1_MOUSE	D3YW48_MOUSE	Calpain small subunit 1;	Calcium-activated neutral proteinase small subunit;Calcium-dependent protease small subunit;Calcium-dependent protease small subunit 1;Calpain regulatory subunit;
EFEQFLPMMQ	AISNNKDQGGYEDFVEGLR	N-ter +28.03 Da, K +28.03 Da	31.9	67.4	3	2167.20	0.51	0.06	E9PWG4_MOUSE	MYL1_MOUSE		
LLPLLAGAQA	AIVFIKEPSSQDALQGR	N-ter +34.06 Da, K +34.06 Da	31.7	64.4	3	1926.24	1.37	0.12	PTK7_MOUSE	Q3V2W2_MOUSE	Inactive tyrosine-protein kinase 7;	Protein chuzhoi;Protein-tyrosine kinase 7;Pseudo tyrosine kinase receptor 7;Tyrosine-protein kinase-like 7;
DFHRCEKAMT	AKGGDVSVCEWYR	N-ter +28.03 Da, K +28.03 Da, C +57.02 Da	42.1	64.1	3	1581.86	-1.29	0.13	CX6B1_MOUSE		Cytochrome c oxidase subunit 6B1;	Cytochrome c oxidase subunit VIb isoform 1;
PDLSKHNNHM	AKVLTPDLYNKLR	N-ter +34.06 Da, K +34.06 Da	19.7	56.0	4	1632.17	0.82	0.07	KCRM_MOUSE		Creatine kinase M-type;	Creatine kinase M chain;M-CK;
AEKSAVSCLW	AKVNPDEVGGEALGR	N-ter +34.06 Da, K +34.06 Da	46.4	53.5	3	1578.98	-0.94	0.05	HBB2_MOUSE		Hemoglobin subunit beta-2;	Beta-2-globin;Hemoglobin beta-2 chain;Hemoglobin beta-minor chain;
SKYREPEKYI	ALDGDSLSTEDLVNLGKGR	N-ter +28.03 Da, K +28.03 Da	47.3	62.4	3	2015.18	0.53	0.08	HUTH_MOUSE	F8WH73_MOUSE	Histidine ammonia-lyase;	
FAPQFLSVQK	ALDLDPSKTNVSGGAIALGHPLGGSGSR	N-ter +28.03 Da, K +28.03 Da	34.0	68.5	4	2702.62	0.10	0.01	THIM_MOUSE		3-ketoacyl-CoA thiolase, mitochondrial;	Acetyl-CoA acyltransferase;Beta-ketothiolase;Mitochondrial 3-oxoacyl-CoA thiolase;
TGAALYVMRL	ALFNPDVSWDR	N-ter +34.06 Da	43.5	27.5	2	1352.73	1.28	0.08	NDUA4_MOUSE		NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 4;	Complex I-MLRQ;NADH-ubiquinone oxidoreductase MLRQ subunit;
RKDAQMVHSN	ALNEDTQDELGDPR	N-ter +28.03 Da	29.0	59.9	3	1599.83	0.43	0.03	AMRP_MOUSE	F6SY09_MOUSE	Alpha-2-macroglobulin receptor-associated protein;	Heparin-binding protein 44;Low density lipoprotein receptor-related protein-associated protein 1;
ERHTLITEMV	ALNPDFKPPADYKPPATR	N-ter +34.06 Da, K +34.06 Da	22.7	53.2	4	2099.34	0.60	0.04	SF01_MOUSE	Q3UI45_MOUSE	Splicing factor 1;	CW17;Mammalian branch point-binding protein;Transcription factor ZFM1;Zinc finger gene in MEN1 locus;Zinc finger protein 162;
SLVSQGMIQL	ALSEASQTDPSGPPPR	N-ter +34.06 Da	58.9	47.5	3	1642.92	-0.25	0.01	F134C_MOUSE		Protein FAM134C;	
KTDQVIQFFI	ALVNDPQPEHPLR	N-ter +28.03 Da	41.4	62.7	3	1512.90	-0.09	0.01	UB2L3_MOUSE		Ubiquitin-conjugating enzyme E2 L3;	UbcM4;Ubiquitin carrier protein L3;Ubiquitin-protein ligase L3;
GMLPEKDCRY	ALYDASFETKESR	N-ter +34.06 Da, K +34.06 Da	38.0	61.9	3	1583.94	-1.25	0.09	DEST_MOUSE		Destrin;	Actin-depolymerizing factor;Sid 23;
LALAFGLAHA	AMEGPWKTVAIAADR	N-ter +34.06 Da, K +34.06 Da	31.2	71.9	3	1683.07	0.79	0.03	A2AEN9_MOUSE	Q9D3H2_MOUSE		
PREIFKQKER	AMSTTSVTSSQPGKLR	N-ter +28.03 Da, K +28.03 Da	34.8	63.6	3	1706.01	-1.18	0.11	DBNL_MOUSE		Drebrin-like protein;	Actin-binding protein 1;SH3 domain-containing protein 7;
SPVSSGVNLF	ANDGSFLELFKR	N-ter +28.03 Da, K +28.03 Da	32.2	65.5	3	1451.87	0.01	0.00	CS043_MOUSE		Uncharacterized protein C19orf43 homolog;	
QPISNVRAIQ	ANINIPMGAFRPGAGQPPR	N-ter +34.06 Da	23.1	63.7	3	1997.21	-0.15	0.01	SMPX_MOUSE		Small muscular protein;	Stretch-responsive skeletal muscle protein;
NPEESIEDIY	ANIPDLPSSYIPSR	N-ter +34.06 Da	33.1	33.1	3	1562.90	-1.29	0.06	PALMD_MOUSE	Q3UVT7_MOUSE	Palmdelphin;	
CDIDIRKDLY	ANNVMSGGTTMYPGIADR	N-ter +28.03 Da	24.7	71.4	3	1882.01	-2.84	0.20	ACTS_MOUSE		Actin, alpha skeletal muscle;	Alpha-actin-1;
SPSEIGPGMP	ANQDTIFEGIGGPR	N-ter +28.03 Da	50.8	54.1	3	1501.83	0.52	0.04	CO5A1_MOUSE		Collagen alpha-1(V) chain;	
FGVTTLDIVR	ANTFVAELKGLDPAR	N-ter +28.03 Da, K +28.03 Da	25.2	63.4	3	1657.03	0.89	0.03	MDHM_MOUSE		Malate dehydrogenase, mitochondrial;	
CDVDIRKDLY	ANTVLSGGTTMYPGIADR	N-ter +34.06 Da	36.1	52.4	3	1857.05	-0.25	0.02	ACTB_MOUSE	ACTG_MOUSE	Actin, cytoplasmic 1;	Beta-actin;
QSQWDKVKDF	ANVYVDAVKDSGR	N-ter +34.06 Da, K +34.06 Da	42.1	70.2	3	1460.93	-1.18	0.14	APOA1_MOUSE	Q8BPD5_MOUSE	Apolipoprotein A-I;	Apolipoprotein A1;
HHSFYNELRV	APEEHPTLLTEAPLNPKANR	N-ter +28.03 Da, K +28.03 Da	28.4	73.1	4	2253.38	3.03	0.20	ACTA_MOUSE	ACTC_MOUSE	Actin, aortic smooth muscle;	Alpha-actin-2;
M	APKGGSKQQSEEDLLLQDFSR	N-ter +28.03 Da, K +28.03 Da	33.1	59.8	4	2416.40	1.40	0.16	SSRG_MOUSE		Translocon-associated protein subunit gamma;	Signal sequence receptor subunit gamma;
M	APLDLDKYVEIAR	N-ter +34.06 Da, K +34.06 Da	13.7	59.5	3	1570.03	1.14	0.15	PPP6_MOUSE		Serine/threonine-protein phosphatase 6 catalytic subunit;	
QSKGQWLTLE	APLDTINVHLR	N-ter +28.03 Da	33.0	46.8	3	1275.79	0.63	0.07	LYAG_MOUSE		Lysosomal alpha-glucosidase;	Acid maltase;
M	APNVLASEPEIPKGIR	N-ter +34.06 Da, K +34.06 Da	36.1	63.5	3	1758.18	-0.23	0.01	KAD2_MOUSE		Adenylate kinase 2, mitochondrial;	ATP-AMP transphosphorylase 2;
TSQLTAFPLG	APPPWPIPQDSSGPELGSR	N-ter +28.03 Da	42.4	46.8	3	2015.11	0.08	0.00	GORS1_MOUSE		Golgi reassembly-stacking protein 1;	Golgi peripheral membrane protein p65;Golgi reassembly-stacking protein of 65 kDa;
ATSASGALLS	APPSGPPISGFSVGTTYDITR	N-ter +34.06 Da	55.9	46.4	3	2153.22	-0.12	0.01	PRRC1_MOUSE		Protein PRRC1;	Proline-rich and coiled-coil-containing protein 1;
VAGPQPAQTG	APQGSLGEYLFER	N-ter +34.06 Da	43.1	63.2	3	1499.88	0.64	0.04	FRIL1_MOUSE	Q9CPX4_MOUSE	Ferritin light chain 1;	Ferritin L subunit 1;
NAILVRYTQK	APQVSTPTLVEAAR	N-ter +28.03 Da	29.3	47.8	3	1466.88	-0.45	0.03	ALBU_MOUSE		Serum albumin;	
M	APVEHVVADAGAFLR	N-ter +34.06 Da	42.3	53.9	3	1584.97	-0.54	0.02	NOB1_MOUSE	F6YBB8_MOUSE	RNA-binding protein NOB1;	
LLATVWHGQG	APVIEPSGPELVVEPGETVTLR	N-ter +28.03 Da	40.8	37.9	3	2316.35	-0.11	0.01	CSF1R_MOUSE	Q3TBH6_MOUSE	Macrophage colony-stimulating factor 1 receptor;	CSF-1 receptor;Proto-oncogene c-Fms;
LAQYREVAAF	AQFGSDLDAATQQLLSR	N-ter +34.06 Da	59.2	54.6	3	1854.07	-0.67	0.02	ATPA_MOUSE	D3Z6F5_MOUSE	ATP synthase subunit alpha, mitochondrial;	
EQLKTVMDDF	AQFLDTCCKAADKDTCFSTEGPNLVTR	N-ter +34.06 Da, K +34.06 Da, C +57.02 Da	41.5	36.8	4	3206.71	-1.89	0.28	ALBU_MOUSE		Serum albumin;	
ITQQASMTSL	AQGPGTTSAITFPEEQEDPR	N-ter +28.03 Da	30.2	48.3	3	2158.12	-0.36	0.04	PRRC1_MOUSE		Protein PRRC1;	Proline-rich and coiled-coil-containing protein 1;
NLQSRSFRIL	AQMTGTEYMQDPDEEALR	N-ter +34.06 Da	49.0	49.7	3	2118.05	-0.40	0.05	E9PYJ9_MOUSE	LDB3_MOUSE		
QNSHSNPVSN	AQPAGAEKPEAKVLFDR	N-ter +28.03 Da, K +28.03 Da	19.1	78.4	4	1910.21	0.76	0.02	SYEP_MOUSE		Bifunctional glutamate/proline--tRNA ligase;	Bifunctional aminoacyl-tRNA synthetase;
MRAAPRRAPA	AQPPAAAAPSAVGSPAAAPR	N-ter +34.06 Da	64.3	50.5	3	1791.08	0.00	0.00	CHCH2_MOUSE	B2RPU8_MOUSE	Coiled-coil-helix-coiled-coil-helix domain-containing protein 2, mitochondrial;	
SVQSGNLALA	ASAAAVDAGMAMAGQSPVLR	N-ter +34.06 Da	60.8	25.4	3	1907.03	0.26	0.01	PTBP1_MOUSE	Q922I7_MOUSE	Polypyrimidine tract-binding protein 1;	Heterogeneous nuclear ribonucleoprotein I;
KQFPPILVVL	ASAESEDDVEEAAKALR	N-ter +34.06 Da, K +34.06 Da	28.5	63.4	3	1858.08	-0.74	0.07	CO6A5_MOUSE	CO6A6_MOUSE	Collagen alpha-5(VI) chain;	Collagen alpha-1(XXIX) chain;
SPCLLPRVHL	ASAFGSSTESLVAR	N-ter +28.03 Da	55.8	33.1	2	1409.76	1.04	0.07	THEM5_MOUSE		Thioesterase superfamily member 5;	

Non Prime Site	Prime Site	Modifications	Hyperscore	Mass error in ppm	Charge	Precursor neutral mass in Da	Fold change (log_2) of ASAPRatio	FC-error of ASAPRatio	Uniprot ID 1	Uniprot ID 2	Protein Name 1	Protein Name 2
KNVREATESF	ASDPILYRPVAVALDTKGPEIR	N-ter +34.06 Da, K +34.06 Da	21.6	62.3	4	2448.59	-1.18	0.11	KPYM_MOUSE		Pyruvate kinase isozymes M1/M2;	Pyruvate kinase muscle isozyme;
GKRHPYKMNL	ASEPQEVLHIGSAHNR	N-ter +28.03 Da	34.9	85.1	4	1772.05	0.36	0.02	PDLI1_MOUSE		PDZ and LIM domain protein 1;	C-terminal LIM domain protein 1;Elfin;LIM domain protein CLP-36;
LGISLPQVEL	ASFGEAGPEIVAPSAEGTAGSR	N-ter +28.03 Da	41.1	41.2	3	2088.10	0.14	0.01	PRAX_MOUSE	Q6NVF7_MOUSE	Periaxin;	
ENAFSRSGGR	ASGDKEAEGAPQVEAGKR	N-ter +28.03 Da, K +28.03 Da	32.7	83.5	4	1883.13	-1.06	0.22	Q8VCQ8_MOUSE	E9Q0M9_MOUSE		
GAVGAPGPAG	ASGDRGEAGAAGPSGPAGPR	N-ter +28.03 Da	45.9	79.9	3	1764.99	1.25	0.28	CO1A2_MOUSE	E9Q6U9_MOUSE	Collagen alpha-2(I) chain;	Alpha-2 type I collagen;
ARGAAVTRSM	ASGGGVPTDEEQATGLER	N-ter +28.03 Da	52.1	58.1	3	1800.95	-0.11	0.01	COX5B_MOUSE	Q9D881_MOUSE	Cytochrome c oxidase subunit 5B, mitochondrial;	Cytochrome c oxidase polypeptide Vb;
KTSEGSWEPF	ASGKTAESGELHGLTTDEKFVEGVYR	N-ter +34.06 Da, K +34.06 Da	21.2	75.4	4	2882.77	1.70	0.13	TTHY_MOUSE		Transthyretin;	Prealbumin;
EPAGTPRRSY	ASGPGGLHADLLR	N-ter +34.06 Da	38.7	50.2	3	1296.80	0.63	0.03	SSDH_MOUSE		Succinate-semialdehyde dehydrogenase, mitochondrial;	Aldehyde dehydrogenase family 5 member A1;NAD(+)-dependent succinic semialdehyde dehydrogenase;
KTGAAAGKRK	ASGPPVSELITKAVAASKER	N-ter +34.06 Da, K +34.06 Da	34.3	80.8	4	2112.47	-1.52	0.04	H12_MOUSE	H13_MOUSE	Histone H1.2;	H1 VAR.1;H1c;
MENANVLARY	ASICQQNGIVPIVEPEILPDGDHDLKR	N-ter +28.03 Da, K +28.03 Da, C +57.02 Da	55.5	80.3	4	3068.84	-6.64	0.00	ALDOA_MOUSE	ALDOC_MOUSE	Fructose-bisphosphate aldolase A;	Aldolase 1;Muscle-type aldolase;
QEVRCLERSY	ASKPTLNEVVIVSAIR	N-ter +28.03 Da, K +28.03 Da	48.4	74.0	3	1752.18	0.58	0.03	THIL_MOUSE		Acetyl-CoA acetyltransferase, mitochondrial;	Acetoacetyl-CoA thiolase;
AQEQFGGNPF	ASLVSSSSSAEGTQPSR	N-ter +34.06 Da	28.4	61.5	3	1683.95	0.10	0.01	UBQL1_MOUSE		Ubiquilin-1;	Protein linking IAP with cytoskeleton 1;
KPLRRALSGR	ASPVTAPSSGLHAAVR	N-ter +28.03 Da	54.1	61.4	3	1547.94	-0.76	0.04	K1522_MOUSE		Uncharacterized protein KIAA1522;	
M	ASQTQGIQQLLQAEKR	N-ter +28.03 Da, K +28.03 Da	38.2	12.3	3	1854.06	5.36	0.47	VATG2_MOUSE		V-type proton ATPase subunit G 2;	V-ATPase 13 kDa subunit 2;Vacuolar proton pump subunit G 2;
RSALQSINEW	ASQTTDGKLPEVTKDVER	N-ter +28.03 Da, K +28.03 Da	17.4	65.2	4	2057.24	-0.12	0.01	SERPH_MOUSE		Serpin H1;	47 kDa heat shock protein;Collagen-binding protein;Serine protease inhibitor J6;
TTLSNAVSSL	ASTGLSLTKVDER	N-ter +34.06 Da, K +34.06 Da	28.9	54.7	3	1443.94	1.08	0.17	PICA_MOUSE		Phosphatidylinositol-binding clathrin assembly protein;	Clathrin assembly lymphoid myeloid leukemia;
LSNAIGPSAQ	ASTGSLVITCPSNLNDLKESSNNR	N-ter +34.06 Da, K +34.06 Da, C +57.02 Da	34.3	67.6	4	2644.56	0.19	0.02	SHLB1_MOUSE	Q3TYR7_MOUSE	Endophilin-B1;	SH3 domain-containing GRB2-like protein B1;
EVKGYWASLD	ASTQTTHELTIPNNLIGCIIGR	N-ter +34.06 Da, C +57.02 Da	51.4	56.8	3	2442.45	-0.67	0.15	PCBP1_MOUSE		Poly(rC)-binding protein 1;	Alpha-CP1;Heterogeneous nuclear ribonucleoprotein E1;
WTGYFGKVLM	ASTSYLPSQVTEMFNQGR	N-ter +34.06 Da	38.6	65.6	3	2049.14	-2.94	0.45	WIPI2_MOUSE	D3YWK1_MOUSE	WD repeat domain phosphoinositide-interacting protein 2;	
HDLRHAFSPV	ASVESASGETLHSPKVGQPGAAGPVSPMCPGR	N-ter +28.03 Da, K +28.03 Da, C +57.02 Da	46.1	54.8	4	3173.73	1.50	0.16	FETUA_MOUSE		Alpha-2-HS-glycoprotein;	Countertrypin;Fetuin-A;
IIPTARRCLY	ASVLTAQPR	N-ter +34.06 Da	29.6	35.6	2	975.63	-1.40	0.11	EF2_MOUSE		Elongation factor 2;	
IREGEVEVLK	ATEMVEVGPEDDEVGAER	N-ter +28.03 Da	49.2	59.2	3	1959.99	-0.23	0.03	PTRF_MOUSE		Polymerase I and transcript release factor;	Cav-p60;Cavin-1;
IKKRLETYYN	ATEPVISFYDKR	N-ter +28.03 Da, K +28.03 Da	42.6	52.2	3	1480.87	-0.12	0.01	KAD1_MOUSE		Adenylate kinase isoenzyme 1;	ATP-AMP transphosphorylase 1;Myokinase;
VIQHRPSQQY	ATLDVYNPFENR	N-ter +34.06 Da	27.4	59.5	3	1471.84	-0.15	0.01	SCAM3_MOUSE	Q3UXS0_MOUSE	Secretory carrier-associated membrane protein 3;	
GRRDSKSPTK	ATPLPAEGKKNTLR	N-ter +28.03 Da, K +28.03 Da	24.5	69.1	4	1579.06	-0.40	0.05	E41L2_MOUSE		Band 4.1-like protein 2;	Generally expressed protein 4.1;
PLTEAELALI	ATPPEDSDMASLQQQR	N-ter +28.03 Da	58.1	57.9	3	1800.94	0.59	0.02	PLIN3_MOUSE		Perilipin-3;	Cargo selection protein TIP47;Mannose-6-phosphate receptor-binding protein 1;
MAAN	ATTNPSQLLPLELVDKCIGSR	N-ter +28.03 Da, K +28.03 Da, C +57.02 Da	52.9	53.1	3	2367.41	0.47	0.07	LSM5_MOUSE		U6 snRNA-associated Sm-like protein LSm5;	
AMGGVAPQAL	AVAASGPGSSFR	N-ter +34.06 Da	29.8	32.1	2	1139.65	1.25	0.06	A2M_MOUSE	D3YW52_MOUSE	Alpha-2-macroglobulin;	Pregnancy zone protein;
QERQTQAVLQ	AVADKVKEDSQVPATQTLQR	N-ter +34.06 Da, K +34.06 Da	37.3	58.5	4	2285.48	-0.01	0.00	AKA12_MOUSE		A-kinase anchor protein 12;	Germ cell lineage protein gercelin;Src-suppressed C kinase substrate;
AIMEQVKVQI	AVANAQELLQR	N-ter +34.06 Da	37.0	37.1	3	1245.77	0.30	0.02	TIM13_MOUSE		Mitochondrial import inner membrane translocase subunit Tim13;	
KRGTGGVDTA	AVGAVFDISNADR	N-ter +28.03 Da	48.7	29.8	2	1361.73	1.23	0.07	KCRM_MOUSE		Creatine kinase M-type;	Creatine kinase M chain;M-CK;
IIPASTGAAK	AVGKVIPELNGKLTGMAFR	N-ter +34.06 Da, K +34.06 Da	26.4	84.2	4	2102.49	-1.56	0.05	G3P_MOUSE	F8WJL5_MOUSE	Glyceraldehyde-3-phosphate dehydrogenase;	Peptidyl-cysteine S-nitrosylase GAPDH;
AVDSASPVYQ	AVIKTQSKPEDEADEWAR	N-ter +28.03 Da, K +28.03 Da	20.9	77.9	4	2156.28	0.47	0.02	LDB3_MOUSE	E9PYJ9_MOUSE	LIM domain-binding protein 3;	Protein cypher;Protein oracle;Z-band alternatively spliced PDZ-motif protein;
GPEPTTDCFV	AVMHGETEGTVPGNALVVDPEKPFR	N-ter +34.06 Da, K +34.06 Da	42.5	55.3	4	2717.60	0.03	0.00	EHD2_MOUSE		EH domain-containing protein 2;	
WGRGLSTVLA	AVPAPPPTSPR	N-ter +28.03 Da	38.3	29.9	2	1116.66	-0.01	0.00	HTRA2_MOUSE	F6XUR8_MOUSE	Serine protease HTRA2, mitochondrial;	High temperature requirement protein A2;Omi stress-regulated endoprotease;Serine protease 25;Serine proteinase OMI;
VLTGFGMTLC	AVPIAQKSEPQSLSNEALMR	N-ter +34.06 Da, K +34.06 Da	42.2	80.4	4	2236.43	0.08	0.01	Q542V8_MOUSE	D3Z3K5_MOUSE		
TIAAPELLAC	AVQEEWLDIPSKLDNR	N-ter +28.03 Da, K +28.03 Da	54.9	77.0	3	1968.18	-0.43	0.04	E9Q7D5_MOUSE			
LSLEVQELQA	AVRPLQLLGTCAELCR	N-ter +34.06 Da, C +57.02 Da	54.6	83.0	3	1890.20	-0.27	0.04	Q8BTE6_MOUSE			
KTSAYGPPAR	AVSILPLLGHGVPR	N-ter +34.06 Da	52.4	79.2	3	1462.04	-0.09	0.02	WBP11_MOUSE		WW domain-binding protein 11;	Splicing factor that interacts with PQBP-1 and PP1;
QEAISPQEQE	AVSPDISTTER	N-ter +34.06 Da	38.1	42.1	2	1208.70	0.52	0.04	CO6A2_MOUSE	D3Z7D5_MOUSE	Collagen alpha-2(VI) chain;	
HSSPASLQLG	AVSPGTLTASGVVSGPAAAPAAQHLR	N-ter +34.06 Da	51.0	75.5	4	2419.52	0.47	0.05	YAP1_MOUSE		Yorkie homolog;	65 kDa Yes-associated protein;
AASRATTLSN	AVSSLASTGLSLTKVDER	N-ter +34.06 Da, K +34.06 Da	38.5	62.1	3	1901.23	0.51	0.06	PICA_MOUSE		Phosphatidylinositol-binding clathrin assembly protein;	Clathrin assembly lymphoid myeloid leukemia;
LSKDITANTW	AVTVDPCPSTNAKR	N-ter +28.03 Da, K +28.03 Da, C +57.02 Da	30.3	6.0	3	1570.82	-6.64	0.00	PPR3A_MOUSE		Protein phosphatase 1 regulatory subunit 3A;	Protein phosphatase 1 glycogen-associated regulatory subunit;Protein phosphatase type-1 glycogen targeting subunit;

Non Prime Site	Prime Site	Modifications	Hyperscore	Mass error in ppm	Charge	Precursor neutral mass in Da	Fold change (log_2) of ASAPRatio	FC-error of ASAPRatio	Uniprot ID 1	Uniprot ID 2	Protein Name 1	Protein Name 2
LWSAVGASNM	AVVTCGSVVKLLNTR	N-ter +34.06 Da, K +34.06 Da, C +57.02 Da	27.7	59.7	3	1684.13	-0.32	0.02	SDF2_MOUSE		Stromal cell-derived factor 2;	
EAYLGKTVTN	AVVTVPAYFNDSQR	N-ter +34.06 Da	18.8	56.8	3	1599.94	-0.38	0.03	HSP7C_MOUSE		Heat shock cognate 71 kDa protein;	Heat shock 70 kDa protein 8;
TISLQMGTNK	CASQVGMTAPGTR	N-ter +34.06 Da, C +57.02 Da	33.9	69.5	3	1368.77	-0.38	0.02	CNN2_MOUSE	D3Z7R6_MOUSE	Calponin-2;	Calponin H2, smooth muscle;Neutral calponin;
MDDFAQFLDT	CCKAADKDTCFSTEGPNLVTR	N-ter +28.03 Da, K +28.03 Da, C +57.02 Da	45.8	81.5	4	2513.38	-1.84	0.20	ALBU_MOUSE		Serum albumin;	
ARNLGRVGTK	CCTLPEDQR	N-ter +34.06 Da, C +57.02 Da	35.4	41.9	2	1211.60	-0.18	0.03	ALBU_MOUSE		Serum albumin;	
CDDEETTALV	CDNGSGLVKAGFAGDDAPR	N-ter +34.06 Da, K +34.06 Da, C +57.02 Da	47.7	59.5	3	1974.11	-0.62	0.07	ACTC_MOUSE	ACTS_MOUSE	Actin, alpha cardiac muscle 1;	Alpha-cardiac actin;
MEPYS	CDTFVALPPATVGNR	N-ter +34.06 Da, C +57.02 Da	30.4	37.2	3	1650.92	0.52	0.02	SCRN3_MOUSE	A2AWQ9_MOUSE	Secernin-3;	
HNLPGLFRCE	CEIGYELDR	N-ter +34.06 Da, C +57.02 Da	35.4	34.4	2	1187.61	1.14	0.07	FBN1_MOUSE	A2AQ53_MOUSE	Fibrillin-1;	
WLLDHCQESY	CEPTVCQPTCYQR	N-ter +28.03 Da, C +57.02 Da	35.5	56.9	3	1725.83	1.09	0.09	E9Q2E9_MOUSE			
TCCKAADKDT	CFSTEGPNLVTR	N-ter +28.03 Da, C +57.02 Da	39.6	31.0	2	1407.73	-0.04	0.00	ALBU_MOUSE		Serum albumin;	
QAGRFHVNLL	CGEEQGADAALHFNPR	N-ter +28.03 Da, C +57.02 Da	88.7	49.6	3	1798.90	1.44	0.15	LEG7_MOUSE	Q9CRB1_MOUSE	Galectin-7;	
ESLWNQENRF	CGWFDAELSEKGAEEAKR	N-ter +34.06 Da, K +34.06 Da, C +57.02 Da	39.9	61.5	4	2184.27	-1.84	0.13	PGAM2_MOUSE		Phosphoglycerate mutase 2;	BPG-dependent PGAM 2;Muscle-specific phosphoglycerate mutase;Phosphoglycerate mutase isozyme M;
SRTTSTTSTM	CGYYGNYYGGR	N-ter +28.03 Da, C +57.02 Da	34.7	53.5	2	1356.63	-1.43	0.19	KR168_MOUSE	O09048_MOUSE	Keratin-associated protein 16-8;	Keratin-associated protein 16.8;
NKVFCQPWQR	CIEGTCICKLPYQCPR	N-ter +34.06 Da, K +34.06 Da, C +57.02 Da	28.8	66.6	3	2122.19	-6.64	0.00	CFAI_MOUSE		Complement factor I;	C3B/C4B inactivator;
DDFAQFLDTC	CKAADKDTCFSTEGPNLVTR	N-ter +28.03 Da, K +28.03 Da, C +57.02 Da	41.1	77.9	4	2353.32	-0.23	0.02	ALBU_MOUSE		Serum albumin;	
LTDAEKSAVS	CLWAKVNPDEVGGEALGR	N-ter +34.06 Da, K +34.06 Da, C +57.02 Da	53.2	69.8	3	2038.24	-0.62	0.09	HBB2_MOUSE		Hemoglobin subunit beta-2;	Beta-2-globin;Hemoglobin beta-2 chain;Hemoglobin beta-minor chain;
LTDAEKAAVS	CLWGKVNSDEVGGEALGR	N-ter +28.03 Da, K +28.03 Da, C +57.02 Da	50.7	65.7	3	2002.13	-0.09	0.01	HBB1_MOUSE		Hemoglobin subunit beta-1;	Beta-1-globin;Hemoglobin beta-1 chain;Hemoglobin beta-major chain;
TLSSAFADSL	CPSTSLLYLGR	N-ter +34.06 Da, C +57.02 Da	30.4	34.8	2	1299.75	0.64	0.05	ERN1_MOUSE		Serine/threonine-protein kinase/endoribonuclease IRE1;	Endoplasmic reticulum-to-nucleus signaling 1;Inositol-requiring protein 1;Ire1-alpha;
CQQVGGISTV	CQPVGGISTVCQPTCGVSR	N-ter +28.03 Da, C +57.02 Da	41.3	49.2	3	2090.07	0.26	0.03	E9Q2E9_MOUSE			
GNSTHPMHSR	CSPDPGLTALLSDHR	N-ter +28.03 Da, C +57.02 Da	39.0	82.0	3	1665.95	5.84	1.45	HEMO_MOUSE		Hemopexin;	
KPTDGASSSN	CVTDISHLVR	N-ter +28.03 Da, C +57.02 Da	35.1	58.1	3	1226.72	0.78	0.04	NASP_MOUSE	B1AU75_MOUSE	Nuclear autoantigenic sperm protein;	
AEFKAAFDMF	DADGGGDISVKELGTVMR	N-ter +28.03 Da, K +28.03 Da	45.2	52.3	3	1875.04	1.54	0.20	TNNC2_MOUSE		Troponin C, skeletal muscle;	STNC;
TRNRESRIRR	DAEKELCKEFENQVR	N-ter +34.06 Da, K +34.06 Da, C +57.02 Da	20.0	54.4	4	1996.19	0.67	0.09	Q148R4_MOUSE	Q8BM18_MOUSE		
MQN	DAGEFVDLYVPR	N-ter +28.03 Da	35.0	61.6	3	1407.79	1.35	0.07	RS21_MOUSE		40S ribosomal protein S21;	
MELHPSCRY	DALEVFAGSGTSGQR	N-ter +34.06 Da	41.6	46.5	3	1527.84	-1.06	0.04	PCOC1_MOUSE	D3YZE3_MOUSE	Procollagen C-endopeptidase enhancer 1;	P14;Procollagen COOH-terminal proteinase enhancer 1;Type 1 procollagen C-proteinase enhancer protein;Type I procollagen COOH-terminal proteinase enhancer;
LGVKSVQKLL	DAVDTYIPVPTR	N-ter +28.03 Da	35.7	35.0	2	1373.77	0.19	0.01	EFTU_MOUSE	D3YVN7_MOUSE	Elongation factor Tu, mitochondrial;	
ASGTTLLEAL	DCILPPTRPTDKPLR	N-ter +28.03 Da, K +28.03 Da, C +57.02 Da	23.0	63.1	4	1834.13	2.19	0.09	EF1A1_MOUSE	D3YZ68_MOUSE	Elongation factor 1-alpha 1;	Elongation factor Tu;Eukaryotic elongation factor 1 A-1;
LPLLARLSAG	DCPCSEAALCQPIR	N-ter +34.06 Da, C +57.02 Da	42.0	56.0	3	1709.87	0.52	0.07	DIAC_MOUSE		Di-N-acetylchitobiase;	
IFVKAVLVTG	DDEATILADNKCMCTR	N-ter +34.06 Da, K +34.06 Da, C +57.02 Da	42.6	66.2	3	1980.07	-0.84	0.15	IGJ_MOUSE		Immunoglobulin J chain;	
VVANRFHQLL	DDESDPFDILR	N-ter +34.06 Da	32.0	96.6	2	1354.78	-2.94	0.45	HABP4_MOUSE	E9QKB2_MOUSE	Intracellular hyaluronan-binding protein 4;	
ESAAKDEAVF	DDEVAPDAAAENCLAER	N-ter +28.03 Da, C +57.02 Da	45.6	82.2	3	1872.97	0.18	0.02	E9PVP1_MOUSE			
VLLTFGFVRA	DDEVDVDGTVEEDLGKSR	N-ter +34.06 Da, K +34.06 Da	55.8	66.6	3	2045.14	0.14	0.02	ENPL_MOUSE		Endoplasmin;	94 kDa glucose-regulated protein;Endoplasmic reticulum resident protein 99;Heat shock protein 90 kDa beta member 1;Polymorphic tumor rejection antigen 1;Tumor rejection antigen gp96;
DLNPDNLQGG	DDLDPNYVLSSR	N-ter +34.06 Da	48.2	25.6	2	1426.75	0.53	0.04	KCRM_MOUSE	KCRB_MOUSE	Creatine kinase M-type;	Creatine kinase M chain;M-CK;
DNGKHALIIY	DDLSKQAVAYR	N-ter +28.03 Da, K +28.03 Da	28.6	76.9	3	1320.81	-1.40	0.18	ATPA_MOUSE	D3Z6F5_MOUSE	ATP synthase subunit alpha, mitochondrial;	
AAGGGGGENY	DDPHKTPASPVVHIR	N-ter +28.03 Da, K +28.03 Da	25.3	88.8	4	1724.09	-0.45	0.03	HNRPL_MOUSE	E9Q8W8_MOUSE	Heterogeneous nuclear ribonucleoprotein L;	
PPPCPGRELF	DDPSYVNIQNLDKAR	N-ter +28.03 Da, K +28.03 Da	33.7	76.2	3	1803.05	0.25	0.01	SHC1_MOUSE		SHC-transforming protein 1;	SHC-transforming protein A;Src homology 2 domain-containing-transforming protein C1;
TNLRDDIMRL	DDTVHVVIATPGR	N-ter +28.03 Da	35.3	81.1	3	1406.87	2.00	0.15	DDX6_MOUSE		Probable ATP-dependent RNA helicase DDX6;	ATP-dependent RNA helicase p54;DEAD box protein 6;Oncogene RCK homolog;
TWKLVSSENF	DDYMKEVGVGFATR	N-ter +28.03 Da, K +28.03 Da	52.3	76.7	3	1642.93	-1.18	0.16	FABP4_MOUSE		Fatty acid-binding protein, adipocyte;	3T3-L1 lipid-binding protein;Adipocyte lipid-binding protein;Adipocyte-type fatty acid-binding protein;Fatty acid-binding protein 4;Myelin P2 protein homolog;P15;P2 adipocyte protein;Protein 422;
LAAGPRPSLG	DEAIHCPPCSEEKLAR	N-ter +28.03 Da, K +28.03 Da, C +57.02 Da	29.8	69.9	4	1967.06	0.67	0.06	IBP4_MOUSE		Insulin-like growth factor-binding protein 4;	

Non Prime Site	Prime Site	Modifications	Hyperscore	Mass error in ppm	Charge	Precursor neutral mass in Da	Fold change (log_2) of ASAPRatio	FC-error of ASAPRatio	Uniprot ID 1	Uniprot ID 2	Protein Name 1	Protein Name 2
KAVLSAEKLR	DEEVHTGLGELLR	N-ter +34.06 Da	49.7	67.6	3	1500.90	1.05	0.12	SERPH_MOUSE		Serpin H1;	47 kDa heat shock protein;Collagen-binding protein;Serine protease inhibitor J6;
VIGAVVDVQF	DEGLPPILNALEVQGR	N-ter +34.06 Da	55.6	58.5	3	1754.08	-0.58	0.06	ATPB_MOUSE		ATP synthase subunit beta, mitochondrial;	
IENHEGVRRF	DEILEASDGIMVAR	N-ter +34.06 Da	43.8	50.9	3	1551.88	-1.18	0.08	KPYM_MOUSE		Pyruvate kinase isozymes M1/M2;	Pyruvate kinase muscle isozyme;
NFASQMSYGY	DEKSAGVSVPGPMGPSGPR	N-ter +28.03 Da, K +28.03 Da	26.6	85.6	3	1880.11	-0.38	0.03	CO1A1_MOUSE	F8WGB7_MOUSE	Collagen alpha-1(I) chain;	Alpha-1 type I collagen;
GSQAWHVWQQ	DEPQSQWDKVKDFANVYVDAVKDSGR	N-ter +34.06 Da, K +34.06 Da	30.2	99.6	4	3132.00	-1.15	0.18	APOA1_MOUSE	Q8BPD5_MOUSE	Apolipoprotein A-I;	Apolipoprotein A1;
ALRAYFERIM	DEPSPLAK	N-ter +28.03 Da, K +28.03 Da	20.5	118.5	2	1042.66	-3.47	0.39	ACACA_MOUSE		Acetyl-CoA carboxylase 1;	ACC-alpha;Acetyl-CoA carboxylase 265;
NYPKDNKRKM	DETDASSAVKVKR	N-ter +34.06 Da, K +34.06 Da	26.3	83.3	4	1507.04	-0.01	0.00	TADBP_MOUSE	Q8R0B4_MOUSE	TAR DNA-binding protein 43;	
YGKWYFEVMV	DEVAPFLTAQATHLR	N-ter +34.06 Da	21.8	67.2	4	1702.04	-2.12	0.18	E9PZQ0_MOUSE			
KFKGFCYVEF	DEVDSLKEALTYDGALLGDR	N-ter +34.06 Da, K +34.06 Da	61.9	58.9	3	2247.32	0.86	0.21	IF4H_MOUSE	Q80U88_MOUSE	Eukaryotic translation initiation factor 4H;	Williams-Beuren syndrome chromosomal region 1 protein homolog;
VTDTPKRSRR	DFGLDCDEHSTESR	N-ter +28.03 Da, C +57.02 Da	57.3	76.0	3	1694.81	-0.47	0.09	GDF8_MOUSE		Growth/differentiation factor 8;	Myostatin;
SQASDSEGHS	DFSEGQAVGAHR	N-ter +34.06 Da	39.8	87.8	3	1306.76	0.04	0.00	F6TL02_MOUSE	FILA_MOUSE		
GKSTTIKRKR	DGDKLVVECVMKGVTSTR	N-ter +28.03 Da, K +28.03 Da, C +57.02 Da	21.7	88.9	4	2077.28	-0.36	0.02	FABP4_MOUSE		Fatty acid-binding protein, adipocyte;	3T3-L1 lipid-binding protein;Adipocyte lipid-binding protein;Adipocyte-type fatty acid-binding protein;Fatty acid-binding protein 4;Myelin P2 protein homolog;P15;P2 adipocyte protein;Protein 422;
VSSGVNLFAN	DGSFLELFKR	N-ter +28.03 Da, K +28.03 Da	24.0	67.1	3	1266.78	0.86	0.10	CS043_MOUSE		Uncharacterized protein C19orf43 homolog;	
SASNRIIAAK	DHASIQMNVAEVDR	N-ter +34.06 Da	41.3	64.8	3	1617.90	-0.79	0.04	RS21_MOUSE		40S ribosomal protein S21;	
SPLVSRLTLY	DIAHTPGVAADLSHIETR	N-ter +34.06 Da	51.8	59.4	4	1936.14	-2.12	0.28	MDHM_MOUSE		Malate dehydrogenase, mitochondrial;	
KLPGRVAFGE	DIDLPETFDAR	N-ter +34.06 Da	39.6	31.4	2	1324.71	-5.64	0.00	CATB_MOUSE		Cathepsin B;	Cathepsin B1;
AWNETADLGL	DIGAQGEALGYR	N-ter +34.06 Da	41.5	35.9	2	1282.72	0.56	0.02	CTNB1_MOUSE	F7CRC6_MOUSE	Catenin beta-1;	Beta-catenin;
HCLQGNIKIC	DIISKWEQASKEQQPGKCEGSR	N-ter +28.03 Da, K +28.03 Da, C +57.02 Da	21.6	73.3	4	2672.55	1.47	0.12	PKHH2_MOUSE		Pleckstrin homology domain-containing family H member 2;	
LLLWFPGIKC	DIKMTQSPSSMYASLGER	N-ter +28.03 Da, K +28.03 Da	52.0	66.8	3	2056.13	-0.07	0.01	KV5A5_MOUSE	KV5A6_MOUSE	Ig kappa chain V-V region T1;	
LLFWIPASRG	DILLTQSPAILSVSPGER	N-ter +28.03 Da	50.6	55.9	3	1923.18	-0.45	0.08	KV5A9_MOUSE		Ig kappa chain V-V region L7;	
LLLWFPGARC	DIQMTQSPSSLSASLGER	N-ter +34.06 Da	48.0	37.7	3	1940.05	0.45	0.06	KV5A7_MOUSE	KV5A8_MOUSE	Ig kappa chain V-V region MOPC 41;	
LSLLAARANA	DISMEACCTDGNQMANQHR	N-ter +28.03 Da, C +57.02 Da	46.7	65.8	3	2265.05	-0.97	0.17	FBLN1_MOUSE		Fibulin-1;	Basement-membrane protein 90;
MVNPTVFF	DITADDEPLGR	N-ter +34.06 Da	34.7	32.0	2	1234.67	-1.79	0.25	PPIA_MOUSE	E9Q1E3_MOUSE	Peptidyl-prolyl cis-trans isomerase A;	Cyclophilin A;Cyclosporin A-binding protein;Rotamase A;SP18;
MLLWLSGVEG	DIVMTQSHKFMSTSVGDR	N-ter +34.06 Da, K +34.06 Da	44.1	72.0	4	2106.24	-0.40	0.04	KV5A1_MOUSE		Ig kappa chain V19-17;	Ig kappa chain V-V region MPC11;
QQLIDDHFLF	DKPVSPLLLASGMAR	N-ter +28.03 Da, K +28.03 Da	48.5	62.4	3	1610.02	0.35	0.01	KCRM_MOUSE	KCRB_MOUSE	Creatine kinase M-type;	Creatine kinase M chain;M-CK;
LNPDNLQGGD	DLDPNYVLSSR	N-ter +34.06 Da	41.9	25.7	2	1311.72	-0.30	0.02	KCRM_MOUSE	KCRB_MOUSE	Creatine kinase M-type;	Creatine kinase M chain;M-CK;
GDEESYTVFK	DLFDPIIQDR	N-ter +34.06 Da	38.2	32.6	2	1264.73	0.82	0.04	KCRM_MOUSE		Creatine kinase M-type;	Creatine kinase M chain;M-CK;
TKVNKECCHG	DLLECADDR	N-ter +34.06 Da, C +57.02 Da	32.3	39.7	2	1139.58	0.47	0.04	ALBU_MOUSE		Serum albumin;	
HFEPSEYIRY	DLLEKNINIVR	N-ter +34.06 Da, K +34.06 Da	20.1	71.7	3	1393.99	-1.43	0.16	ACON_MOUSE		Aconitate hydratase, mitochondrial;	Citrate hydro-lyase;
HHDYNTYTFL	DLNLDLSKFR	N-ter +34.06 Da, K +34.06 Da	27.8	82.5	3	1287.89	1.39	0.16	Q3U422_MOUSE	NDUV3_MOUSE		
PTESKDILLV	DLNSEIDTNQNSLR	N-ter +34.06 Da	39.9	51.1	3	1651.91	-0.40	0.04	DAB2_MOUSE	E9QL31_MOUSE	Disabled homolog 2;	DOC-2;Mitogen-responsive phosphoprotein;
CPRWTTAVPY	DLPLPGGVMPR	N-ter +34.06 Da	44.3	3.2	2	1184.68	-0.86	0.02	LEG3_MOUSE	Q8C253_MOUSE	Galectin-3;	35 kDa lectin;Carbohydrate-binding protein 35;Galactose-specific lectin 3;IgE-binding protein;L-34 galactoside-binding lectin;Laminin-binding protein;Lectin L-29;Mac-2 antigen;
PRTLASPKKK	DLSLEEIQKKLEAAEER	N-ter +28.03 Da, K +28.03 Da	30.6	107.2	4	2084.36	-1.69	0.16	STMN1_MOUSE	STMN2_MOUSE	Stathmin;	Leukemia-associated gene protein;Leukemia-associated phosphoprotein p18;Metablastin;Oncoprotein 18;Phosphoprotein p19;Prosolin;Protein Pr22;pp17;
LTSESSRPTR	DLSSSDLSTASKIVK	N-ter +34.06 Da, K +34.06 Da	47.0	59.8	3	1652.11	0.28	0.12	A2M_MOUSE	D3YW52_MOUSE	Alpha-2-macroglobulin;	Pregnancy zone protein;
LTSESSRPTR	DLSSSDLSTASK	N-ter +28.03 Da, K +28.03 Da	49.4	40.3	2	1265.69	0.28	0.03	A2M_MOUSE	D3YW52_MOUSE	Alpha-2-macroglobulin;	Pregnancy zone protein;
RKTRVSGEHM	DLTTCPLAAGGQQEKLR	N-ter +34.06 Da, K +34.06 Da, C +57.02 Da	53.9	49.3	3	1925.16	0.58	0.08	Q9D1B1_MOUSE			
KAKKAANAKK	DLVSSKMFEELKNR	N-ter +34.06 Da, K +34.06 Da	19.3	68.1	4	1797.18	-0.52	0.07	TETN_MOUSE	Q8CFZ6_MOUSE	Tetranectin;	C-type lectin domain family 3 member B;Plasminogen kringle 4-binding protein;
KGKGRRNEKY	DMVTDCSYTVAQVR	N-ter +34.06 Da, C +57.02 Da	27.4	49.6	3	1677.88	-0.43	0.08	OLFL3_MOUSE		Olfactomedin-like protein 3;	
HDCFPVLFTY	DNAAVTLSFGGR	N-ter +28.03 Da	39.6	34.4	2	1234.67	0.47	0.01	ARC1B_MOUSE	F6THG2_MOUSE	Actin-related protein 2/3 complex subunit 1B;	Arp2/3 complex 41 kDa subunit;p41-ARC;
WPDARGIWHN	DNKSFLVWVNEEDHLR	N-ter +34.06 Da, K +34.06 Da	50.8	90.8	4	2068.29	0.76	0.10	KCRM_MOUSE		Creatine kinase M-type;	Creatine kinase M chain;M-CK;
LPTSLLTLYL	DNNKISNIPDEYFKR	N-ter +28.03 Da, K +28.03 Da	36.5	50.5	4	1936.10	0.74	0.05	LUM_MOUSE		Lumican;	Keratan sulfate proteoglycan lumican; CRP55;Calregulin;Endoplasmic reticulum
LLGLLGLAAA	DPAIYFKEQFLDGDAWTNR	N-ter +28.03 Da, K +28.03 Da	30.3	70.7	3	2341.30	-0.43	0.11	CALR_MOUSE		Calreticulin;	resident protein 60;HACBP;
LLTACLASRA	DPASTLPDIQVQENFSESR	N-ter +34.06 Da	46.4	35.9	3	2166.14	0.39	0.02	AMBP_MOUSE		Protein AMBP;	
VPTANAALPA	DPPASVVVGPVVVPR	N-ter +34.06 Da	41.8	44.4	3	1520.98	1.77	0.06	FETUA_MOUSE		Alpha-2-HS-glycoprotein;	Countertrypin;Fetuin-A;
PTSYPEPSKL	DPTSVTLKPMEIR	N-ter +34.06 Da, K +34.06 Da	27.2	70.6	3	1554.02	0.76	0.06	MA2B1_MOUSE		Lysosomal alpha-mannosidase;	Lysosomal acid alpha-mannosidase;Mannosidase alpha class 2B member 1;Mannosidase alpha-B;
LLVILPATGS	DPVLCFTQYEESSGR	N-ter +34.06 Da, C +57.02 Da	54.8	57.3	3	1820.95	0.49	0.01	PROP_MOUSE		Properdin;	Complement factor P;

Non Prime Site	Prime Site	Modifications	Hyperscore	Mass error in ppm	Charge	Precursor neutral mass in Da	Fold change (log_2) of ASAPRatio	FC-error of ASAPRatio	Uniprot ID 1	Uniprot ID 2	Protein Name 1	Protein Name 2
SWASRNEAAP	DQDEIDCLPGLAKQPSFR	N-ter +28.03 Da, K +28.03 Da, C +57.02 Da	46.9	46.1	3	2144.16	-0.11	0.01	PPGB_MOUSE	A2A5J9_MOUSE	Lysosomal protective protein;	Carboxypeptidase C;Carboxypeptidase L;Cathepsin A;Protective protein cathepsin A;Protective protein for beta-galactosidase;
EIGVLAKTFI	DQGKLIPDDVMTR	N-ter +34.06 Da, K +34.06 Da	31.9	59.3	3	1554.96	-0.11	0.01	KAD3_MOUSE		GTP:AMP phosphotransferase, mitochondrial;	Adenylate kinase 3;Adenylate kinase 3 alpha-like 1;
IFLLYKIVRG	DQPGASGDNDDDEPPPLPR	N-ter +28.03 Da	30.3	58.6	3	2019.00	0.08	0.00	PGRC1_MOUSE	Q3TFP8_MOUSE	Membrane-associated progesterone receptor component 1;	
EGIRRVGRRP	DQQLQGDGKLIDRR	N-ter +28.03 Da, K +28.03 Da	17.0	91.1	4	1697.08	0.38	0.01	PAIRB_MOUSE		Plasminogen activator inhibitor 1 RNA-binding protein;	PAI1 RNA-binding protein 1;SERPINE1 mRNA-binding protein 1;
EGIRRVGRRP	DQQLQGDGKLIDR	N-ter +34.06 Da, K +34.06 Da	26.6	66.1	3	1552.99	0.43	0.06	PAIRB_MOUSE		Plasminogen activator inhibitor 1 RNA-binding protein;	PAI1 RNA-binding protein 1;SERPINE1 mRNA-binding protein 1;
DVQETDTSQK	DQSPASHEIATNLGDFAISLYR	N-ter +34.06 Da	63.2	48.5	3	2438.35	0.00	0.00	A1AT1_MOUSE	A1AT2_MOUSE	Alpha-1-antitrypsin 1-1;	Alpha-1 protease inhibitor 1;Alpha-1-antiproteinase;Serine protease inhibitor 1-1;Serine protease inhibitor A1a;
DVQETDTSQK	DQSPASHEIATNLGDFALR	N-ter +28.03 Da	51.7	57.5	3	2069.14	0.03	0.00	A1AT4_MOUSE		Alpha-1-antitrypsin 1-4;	Alpha-1 protease inhibitor 4;Serine protease inhibitor 1-4;Serine protease inhibitor A1d;
EGSSNVFSMF	DQTQIQEFKEAFTVIDQNR	N-ter +34.06 Da, K +34.06 Da	42.2	71.2	4	2377.42	0.16	0.04	MLRS_MOUSE	F6ULR7_MOUSE	Myosin regulatory light chain 2, skeletal muscle isoform;	Fast skeletal myosin light chain 2;MLC2F;
GAPGPAGASG	DRGEAGAAGPSGPAGPR	N-ter +34.06 Da	52.9	68.5	3	1555.90	1.31	0.23	CO1A2_MOUSE	E9Q6U9_MOUSE	Collagen alpha-2(I) chain;	Alpha-2 type I collagen;
GPVGPAGKNG	DRGETGPAGPAGPIGPAGAR	N-ter +28.03 Da	55.5	66.2	3	1831.06	2.24	0.14	CO1A1_MOUSE	F8WGB7_MOUSE	Collagen alpha-1(I) chain;	Alpha-1 type I collagen;
MHR	DSCPLDCKVYVGNLGNNGNKTELER	N-ter +34.06 Da, K +34.06 Da, C +57.02 Da	25.2	57.2	4	2953.68	-1.03	0.13	SRSF3_MOUSE		Serine/arginine-rich splicing factor 3;	Pre-mRNA-splicing factor SRP20;Protein X16;Splicing factor, arginine/serine-rich 3;
KPKNIAVAHR	DSEGNQVLPDQKEGLSGEPRR	N-ter +28.03 Da, K +28.03 Da	19.9	54.5	4	2366.31	0.68	0.04	MK67I_MOUSE		MKI67 FHA domain-interacting nucleolar phosphoprotein;	Nucleolar protein interacting with the FHA domain of pKI-67;
QTRGFVSDSS	DSMDTGAGSIR	N-ter +34.06 Da	39.9	62.3	2	1142.62	1.06	0.03	ATIF1_MOUSE	Q9D879_MOUSE	ATPase inhibitor, mitochondrial;	Inhibitor of F(1)F(o)-ATPase;
PRQPSPSQSS	DSQVHSGVQVEGR	N-ter +34.06 Da	47.6	76.1	3	1430.84	0.88	0.08	F6TL02_MOUSE	FILA_MOUSE		
KVLQTRGFVS	DSSDSMDTGAGSIR	N-ter +28.03 Da	53.2	47.9	2	1425.67	1.14	0.11	ATIF1_MOUSE	Q9D879_MOUSE	ATPase inhibitor, mitochondrial;	Inhibitor of F(1)F(o)-ATPase;
DVEPDTYCRY	DSVSVFNGAVSDDSKR	N-ter +34.06 Da, K +34.06 Da	72.1	59.1	3	1750.02	-0.23	0.03	PCOC1_MOUSE	D3YZE3_MOUSE	Procollagen C-endopeptidase enhancer 1;	P14;Procollagen COOH-terminal proteinase enhancer 1;Type 1 procollagen C-proteinase enhancer protein;Type I procollagen COOH-terminal proteinase enhancer;
QGVMVGMGQK	DSYVGDEAQSKR	N-ter +34.06 Da, K +34.06 Da	38.7	85.1	3	1421.86	-1.15	0.13	ACTC_MOUSE	ACTA_MOUSE	Actin, alpha cardiac muscle 1;	Alpha-cardiac actin;
LATLVQRGYG	DTDGFNLEDALKETSSVKQR	N-ter +28.03 Da, K +28.03 Da	21.2	101.2	4	2336.42	-1.94	0.22	C99L2_MOUSE		CD99 antigen-like protein 2;	MIC2-like protein 1;
ARHGFLPRHR	DTGILDSIGR	N-ter +34.06 Da	36.9	19.9	2	1079.63	0.68	0.07	MBP_MOUSE	F7A0B0_MOUSE	Myelin basic protein;	Myelin A1 protein;
CDYNKFMSVL	DTNKDCEVDFGEYVR	N-ter +28.03 Da, K +28.03 Da, C +57.02 Da	40.8	77.3	3	1901.99	-0.03	0.01	S10A3_MOUSE		Protein S100-A3;	Protein S-100E;S100 calcium-binding protein A3;
CPPETSKSRR	DTQSNELIEINPQTEGKVYTR	N-ter +28.03 Da, K +28.03 Da	56.8	74.1	4	2490.44	0.41	0.05	COGA1_MOUSE	A3KFV3_MOUSE	Collagen alpha-1(XVI) chain;	
IMEKGELVPL	DTVLDMLR	N-ter +28.03 Da	25.6	59.0	2	989.58	0.66	0.03	KAD1_MOUSE		Adenylate kinase isoenzyme 1;	ATP-AMP transphosphorylase 1;Myokinase;
PEEYVSPNSE	DVGVEGPKGDPGPQGPR	N-ter +34.06 Da, K +34.06 Da	33.6	68.5	3	1729.06	0.83	0.11	CO1A1_MOUSE	F8WGB7_MOUSE	Collagen alpha-1(I) chain;	Alpha-1 type I collagen;
VDTNTQSACF	DVIDQKSLPTSAEER	N-ter +28.03 Da, K +28.03 Da	49.9	58.9	3	1743.01	0.41	0.01	PRC2C_MOUSE	E9QKG5_MOUSE	Protein PRRC2C;	BAT2 domain-containing protein 1;HLA-B-associated transcript 2-like 2;Proline-rich and coiled-coil-containing protein 2C;
KDYGKESQAK	DVIEEYFKCK	N-ter +34.06 Da, K +34.06 Da, C +57.02 Da	21.2	99.1	4	1594.13	-3.32	0.33	RS12_MOUSE	D3Z6B6_MOUSE	40S ribosomal protein S12;	
LTKYKKTLLG	DVPVVADPTVPNVTVTR	N-ter +34.06 Da	47.8	57.6	3	1812.13	-0.52	0.03	GDIR2_MOUSE		Rho GDP-dissociation inhibitor 2;	D4;Rho-GDI beta;
LVLILKGVQC	DVQLVESGGGLVQPGGSR	N-ter +34.06 Da	50.8	39.4	3	1788.03	3.69	0.37	HVM16_MOUSE		Ig heavy chain V region MOPC 21;	
SVGDGETVEF	DVVEGEKGAEAANVTGPDGVPVEGSR	N-ter +34.06 Da, K +34.06 Da	58.2	79.8	4	2606.55	0.90	0.15	DBPA_MOUSE	F6TIF5_MOUSE	DNA-binding protein A;	Cold shock domain-containing protein A;Y-box protein 3;
TDKPLRLPLQ	DVYKIGGIGTVPVGR	N-ter +28.03 Da, K +28.03 Da	57.2	64.3	3	1586.02	-0.14	0.01	EF1A1_MOUSE	EF1A2_MOUSE	Elongation factor 1-alpha 1;	Elongation factor Tu;Eukaryotic elongation factor 1 A-1;
LVFAPVGVQS	DWLSISLPHR	N-ter +34.06 Da	40.8	72.6	3	1256.80	-0.49	0.03	Q9EQY5_MOUSE	D3YYJ5_MOUSE		
GKLERVKKLK	DYAFIHFDER	N-ter +34.06 Da	36.6	60.1	3	1345.73	-1.94	0.22	HNRPQ_MOUSE		Heterogeneous nuclear ribonucleoprotein Q;	Glycine- and tyrosine-rich RNA-binding protein;NS1-associated protein 1;Synaptotagmin-binding, cytoplasmic RNA-interacting protein;pp68;
ILGGVISAIS	EAAAQYNPEPPPPR	N-ter +28.03 Da	29.2	59.9	3	1563.86	1.15	0.03	CPNS1_MOUSE	D3YW48_MOUSE	Calpain small subunit 1;	Calcium-activated neutral proteinase small subunit;Calcium-dependent protease small subunit;Calcium-dependent protease small subunit 1;Calpain regulatory subunit;
DGSASGTTLL	EALDCILPPTRPTDKPLR	N-ter +34.06 Da, K +34.06 Da, C +57.02 Da	33.2	63.8	4	2159.38	1.49	0.04	EF1A1_MOUSE	D3YZ68_MOUSE	Elongation factor 1-alpha 1;	Elongation factor Tu;Eukaryotic elongation factor 1 A-1;
EGNASGVSLL	EALDTILPPTRPTDKPLR	N-ter +28.03 Da, K +28.03 Da	30.4	81.4	4	2088.36	1.16	0.02	EF1A2_MOUSE	B7ZBW3_MOUSE	Elongation factor 1-alpha 2;	Eukaryotic elongation factor 1 A-2;Statin-S1;
VLDPMYSTYL	EALGIKEGTIPPEYR	N-ter +28.03 Da, K +28.03 Da	33.5	75.4	3	1728.08	-2.84	0.00	ICAL_MOUSE	Q921U7_MOUSE	Calpastatin;	Calpain inhibitor;
GSYIYEKPQT	EAPQVTGPIEVPVVR	N-ter +28.03 Da	30.4	29.1	3	1617.96	1.25	0.11	CRIP2_MOUSE		Cysteine-rich protein 2;	Heart LIM protein;
PISAQRLYAR	EATQAVLDKPETLSSDASTR	N-ter +28.03 Da, K +28.03 Da	37.3	60.7	3	2174.24	1.00	0.12	ACADV_MOUSE		Very long-chain specific acyl-CoA dehydrogenase, mitochondrial;	MVLCAD;

Non Prime Site	Prime Site	Modifications	Hyperscore	Mass error in ppm	Charge	Precursor neutral mass in Da	Fold change (log_2) of ASAPRatio	FC-error of ASAPRatio	Uniprot ID 1	Uniprot ID 2	Protein Name 1	Protein Name 2
GTEAAAATVF	EAVPMSMPPILR	N-ter +34.06 Da	24.9	53.3	3	1373.84	-0.30	0.02	A1AT2_MOUSE		Alpha-1-antitrypsin 1-2;	Alpha-1 protease inhibitor 2;Alpha-1-antiproteinase;Serine protease inhibitor 1-2;Serine protease inhibitor A1b;
LGTPRLGVQG	EDGLDFPEYDGVDR	N-ter +34.06 Da	48.5	36.6	2	1659.81	-0.92	0.09	CASQ1_MOUSE	E9Q489_MOUSE	Calsequestrin-1;	Calsequestrin, skeletal muscle isoform;
GTDIFTGKKY	EDICPSTHNMDVPNIKR	N-ter +34.06 Da, K +34.06 Da, C +57.02 Da	47.9	69.9	4	2093.21	1.59	0.16	IF5A1_MOUSE	IF5A2_MOUSE	Eukaryotic translation initiation factor 5A-1;	Eukaryotic initiation factor 5A isoform 1;eIF-4D;
PKLPGRVAFG	EDIDLPETFDAR	N-ter +34.06 Da	30.3	25.5	2	1453.75	-5.64	0.00	CATB_MOUSE		Cathepsin B;	Cathepsin B1;
GATALLTHGQ	EDIPEVSCIHNGLR	N-ter +34.06 Da, C +57.02 Da	45.4	78.9	3	1671.98	-0.92	0.09	CO1A1_MOUSE	F8WGB7_MOUSE	Collagen alpha-1(I) chain;	Alpha-1 type I collagen;
TLTAVHDAIL	EDLVFPSEIVGKR	N-ter +34.06 Da, K +34.06 Da	52.7	75.7	3	1556.04	0.58	0.05	RS7_MOUSE	F6SVV1_MOUSE	40S ribosomal protein S7;	
KVSSGTPIKI	EDPNQFVPLNTNPTEVLEKR	N-ter +34.06 Da, K +34.06 Da	32.9	59.9	3	2407.45	-0.86	0.13	ADDG_MOUSE		Gamma-adducin;	Adducin-like protein 70;
LGTLPARAAH	EDPVEKVIEGFSR	N-ter +34.06 Da, K +34.06 Da	28.5	84.9	3	1572.02	0.51	0.01	SBSN_MOUSE	E9QPB2_MOUSE	Suprabasin;	
HSDASKKRLI	EDTEDWRPR	N-ter +34.06 Da	14.5	93.0	3	1236.71	2.50	0.14	PDLI5_MOUSE	Q9CRA2_MOUSE	PDZ and LIM domain protein 5;	Enigma homolog;Enigma-like PDZ and LIM domains protein;
RVLKEDKERW	EDVKEEMTSALATMR	N-ter +28.03 Da, K +28.03 Da	41.5	82.2	3	1766.00	-1.69	0.38	MAPK2_MOUSE		MAP kinase-activated protein kinase 2;	
TAKQTGHTLL	EDYQIVERPQR	N-ter +28.03 Da	20.3	51.5	3	1459.82	-0.23	0.01	SPG20_MOUSE		Spartin;	
DMLEEQITAF	EDYVQSMDVAAFNK	N-ter +34.06 Da, K +34.06 Da	40.0	64.6	3	1797.04	-1.15	0.08	EF1B_MOUSE		Elongation factor 1-beta;	
SGLLLTLTQG	EEAQEIDCNDEAVFQAVDASLKKLNAR	N-ter +34.06 Da, K +34.06 Da, C +57.02 Da	49.6	93.2	4	3164.95	-1.84	0.26	Q6S9I3_MOUSE	Q6S9I2_MOUSE		
IDSHFEARKK	EEEELIALKER	N-ter +28.03 Da, K +28.03 Da	24.1	68.1	3	1413.87	-1.43	0.12	TNNT3_MOUSE	A2A6J0_MOUSE	Troponin T, fast skeletal muscle;	Fast skeletal muscle troponin T;
LAKYNQILRI	EEELGSKAKFAGR	N-ter +34.06 Da, K +34.06 Da	14.7	83.4	4	1523.05	0.14	0.01	ENOA_MOUSE	Q6PHC1_MOUSE	Alpha-enolase;	2-phospho-D-glycerate hydro-lyase;Enolase 1;Non-neural enolase;
EDEKAAAEIY	EEFLAAFEGSDGNKVKTFVR	N-ter +28.03 Da, K +28.03 Da	39.0	57.9	4	2327.35	0.29	0.02	SR140_MOUSE	E9QM87_MOUSE	U2 snRNP-associated SURP motif-containing protein;	140 kDa Ser/Arg-rich domain protein;U2-associated protein SR140;
DLLEEEITKF	EEHVQSVDIAAFNK	N-ter +34.06 Da, K +34.06 Da	44.6	70.3	3	1767.11	-3.64	0.46	D3YY68_MOUSE	Q80T06_MOUSE		
GHACTQKFSN	EEIAMATVTALR	N-ter +34.06 Da	41.7	17.5	2	1337.77	0.20	0.01	ALDOA_MOUSE	ALDOC_MOUSE	Fructose-bisphosphate aldolase A;	Aldolase 1;Muscle-type aldolase;
MPCKI	EEIKDFLLTAR	N-ter +28.03 Da, K +28.03 Da	33.9	75.2	3	1389.89	0.31	0.03	RL38_MOUSE		60S ribosomal protein L38;	
LLILSGELYA	EEKQCDFPTVENGR	N-ter +34.06 Da, K +34.06 Da, C +57.02 Da	34.0	53.9	3	1775.97	-0.12	0.01	F13B_MOUSE	B1AY02_MOUSE	Coagulation factor XIII B chain;	Protein-glutamine gamma-glutamyltransferase B chain;Transglutaminase B chain;
FSETLTRAKF	EELNMDLFR	N-ter +28.03 Da	26.9	44.9	2	1193.63	-1.40	0.15	GRP78_MOUSE		78 kDa glucose-regulated protein;	Heat shock 70 kDa protein 5;Immunoglobulin heavy chain-binding protein;
PHLHSYKEAF	EEMEGTSPSSPPHSVAR	N-ter +28.03 Da	52.2	70.8	3	1824.96	0.31	0.03	E9Q0S6_MOUSE	E9Q6Y2_MOUSE		
LIVKDEKSLV	EESQLPDGKKGLQR	N-ter +34.06 Da, K +34.06 Da	17.7	87.7	4	1686.16	-0.18	0.01	TITIN_MOUSE	E9Q8M7_MOUSE	Titin;	Connectin;
ERGNPVIAQW	EEVEDASEEAPLRDR	N-ter +34.06 Da	37.1	69.8	3	1777.98	0.00	0.00	SRCA_MOUSE		Sarcalumenin;	
ERGNPVIAQW	EEVEDASEEAPLR	N-ter +34.06 Da	46.5	56.9	3	1506.81	2.17	0.21	SRCA_MOUSE		Sarcalumenin;	
FRHACVPVDF	EEVHVSSNADEEDIR	N-ter +34.06 Da	58.3	78.2	3	1761.96	1.01	0.25	IDHG1_MOUSE	Q3TKM5_MOUSE	Isocitrate dehydrogenase [NAD] subunit gamma 1, mitochondrial;	Isocitric dehydrogenase subunit gamma;NAD(+)-specific ICDH subunit gamma;
DQNSSGPDAY	EEVTDGAQTGGLGFNLR	N-ter +28.03 Da	54.2	38.9	3	1790.95	0.28	0.03	PTN18_MOUSE		Tyrosine-protein phosphatase non-receptor type 18;	Fetal liver phosphatase 1;PTP-K1;
KYRSQHIIPL	EEVTLEPLPETLQAKNR	N-ter +28.03 Da, K +28.03 Da	52.0	75.8	3	2022.25	0.73	0.08	PKHF1_MOUSE		Pleckstrin homology domain-containing family F member 1;	Lysosome-associated apoptosis-inducing protein containing PH and FYVE domains;
TEEHHLRDYF	EEYGKIDTIEIITDR	N-ter +34.06 Da, K +34.06 Da	32.7	70.0	3	1862.16	2.10	0.23	ROA2_MOUSE	F6U106_MOUSE	Heterogeneous nuclear ribonucleoproteins A2/B1;	
FSMFDQTQIQ	EFKEAFTVIDQNR	N-ter +34.06 Da, K +34.06 Da	33.6	80.0	3	1664.05	0.10	0.01	MLRS_MOUSE	F6ULR7_MOUSE	Myosin regulatory light chain 2, skeletal muscle isoform;	Fast skeletal myosin light chain 2;MLC2F;
RLSLESEGAN	EGATAAPELSALEEAFRR	N-ter +34.06 Da	25.4	75.5	3	1951.17	-0.52	0.11	TPPP_MOUSE		Tubulin polymerization-promoting protein;	
RLSLESEGAN	EGATAAPELSALEEAFR	N-ter +28.03 Da	49.0	35.2	2	1788.95	0.25	0.05	TPPP_MOUSE		Tubulin polymerization-promoting protein;	
IIRNVKGPVQ	EGDVLTLLESER	N-ter +28.03 Da	38.2	24.8	2	1387.75	0.44	0.03	RS28_MOUSE	D3YVD9_MOUSE	40S ribosomal protein S28;	
GVSESQASDS	EGHSDFSEGQAVGAHR	N-ter +34.06 Da	44.0	87.7	4	1716.95	1.29	0.17	F7BVV1_MOUSE	FILA_MOUSE		
KKAGHPFMWN	EHLGYVLTCPSNLGTGLR	N-ter +34.06 Da, C +57.02 Da	55.3	72.6	3	2020.21	0.01	0.00	KCRM_MOUSE		Creatine kinase M-type;	Creatine kinase M chain;M-CK;
DAYGPPSNFL	EIDVSNPQTVGVGR	N-ter +34.06 Da	23.1	41.0	3	1503.87	0.36	0.01	SNX3_MOUSE	Q78ZM0_MOUSE	Sorting nexin-3;	SDP3 protein;
LARELSGTIK	EILGTAQSVGCNVDGR	N-ter +28.03 Da, C +57.02 Da	45.3	62.3	3	1702.94	0.29	0.03	RL12_MOUSE		60S ribosomal protein L12;	
DPLNNLGRTL	EIPGSSDPNIVPDGDFSSLVR	N-ter +34.06 Da	36.7	47.5	3	2234.23	0.59	0.04	CO4B_MOUSE		Complement C4-B;	
YPGIADRMQK	EITALAPSTMKIKIIAPPER	N-ter +34.06 Da, K +34.06 Da	21.9	80.1	4	2280.62	1.23	0.05	ACTS_MOUSE	ACTA_MOUSE	Actin, alpha skeletal muscle;	Alpha-actin-1;
NLVKTNCDLY	EKLGEYGFQNAILVR	N-ter +28.03 Da, K +28.03 Da	42.9	67.6	3	1792.11	-0.58	0.03	ALBU_MOUSE		Serum albumin;	
LLAVLPTTTA	EKNGIDIYSLTVDSR	N-ter +34.06 Da, K +34.06 Da	42.8	59.7	3	1777.10	1.29	0.10	Q9DBK8_MOUSE	Q8C7G9_MOUSE		
KLPSLAFLYM	EKNQLEEVPSALPR	N-ter +34.06 Da, K +34.06 Da	48.0	44.2	3	1677.05	0.38	0.03	PRELP_MOUSE			
NIGGAGSYIY	EKPQTEAPQVTGPIEVPVVR	N-ter +28.03 Da, K +28.03 Da	47.9	75.8	4	2229.41	0.70	0.06	CRIP2_MOUSE		Cysteine-rich protein 2;	Heart LIM protein;
FASQMSYGYD	EKSAGVSVPGPMGPSGPR	N-ter +28.03 Da, K +28.03 Da	26.4	67.2	3	1765.04	0.37	0.02	CO1A1_MOUSE	F8WGB7_MOUSE	Collagen alpha-1(I) chain;	Alpha-1 type I collagen;
AIPNLRENYG	ELADCCTKQEPER	N-ter +34.06 Da, K +34.06 Da, C +57.02 Da	24.1	69.1	3	1702.95	-3.84	1.10	ALBU_MOUSE		Serum albumin;	
KDKSGFIEED	ELGSILKGFSSDAR	N-ter +34.06 Da, K +34.06 Da	20.7	76.2	3	1547.02	0.39	0.03	PRVA_MOUSE		Parvalbumin alpha;	
MNSDLKAQLR	ELNITAAKEIEVGGGR	N-ter +34.06 Da, K +34.06 Da	29.4	53.2	3	1724.10	-0.25	0.01	RS7_MOUSE	F6SVV1_MOUSE	40S ribosomal protein S7;	
QKKRQNKDLM	ELQALIDSHFEAR	N-ter +28.03 Da	53.9	78.5	3	1555.92	-0.49	0.07	TNNT3_MOUSE	A2A6J0_MOUSE	Troponin T, fast skeletal muscle;	Fast skeletal muscle troponin T;
RQMRHRSLAR	ELSGTIKEILGTAQSVGCNVDGR	N-ter +34.06 Da, K +34.06 Da, C +57.02 Da	49.2	73.6	4	2471.51	-0.20	0.04	RL12_MOUSE		60S ribosomal protein L12;	
EGEVEVLKAT	EMVEVGPEDDEVGAER	N-ter +34.06 Da	39.9	43.9	3	1793.90	0.47	0.03	PTRF_MOUSE		Polymerase I and transcript release factor;	Cav-p60;Cavin-1;
LGQQLNLNLL	ENWDTLGSTVSQLQER	N-ter +28.03 Da	39.5	54.4	3	1890.01	0.16	0.02	APOA1_MOUSE	Q8BPD5_MOUSE	Apolipoprotein A-I;	Apolipoprotein A1;
DKLCAIPNLR	ENYGELADCCTKQEPER	N-ter +28.03 Da, K +28.03 Da, C +57.02 Da	43.6	68.8	3	2154.08	2.83	0.28	ALBU_MOUSE		Serum albumin;	

Non Prime Site	Prime Site	Modifications	Hyperscore	Mass error in ppm	Charge	Precursor neutral mass in Da	Fold change (log_2) of ASAPRatio	FC-error of ASAPRatio	Uniprot ID 1	Uniprot ID 2	Protein Name 1	Protein Name 2
RLYFCEDRKA	EPEGLRR	N-ter +34.06 Da	8.7	2.0	2	889.52	-2.64	0.17	AICDA_MOUSE		Activation-induced cytidine deaminase;	Cytidine aminohydrolase;
LQLVSWTLAA	EPVDVLEAWGVHR	N-ter +34.06 Da	66.4	70.4	3	1539.93	0.28	0.03	Q9JLI2_MOUSE			
LLWAAACAQS	EQDFYDFKAVNIR	N-ter +28.03 Da, K +28.03 Da	21.6	74.6	3	1699.98	-0.32	0.02	GPX7_MOUSE	E9PVY3_MOUSE	Glutathione peroxidase 7;	
LIWDNGMVLG	EQEVSDNELQELSTQGSR	N-ter +34.06 Da	56.3	38.2	3	2082.07	-0.18	0.01	CLUS_MOUSE	E9Q9B8_MOUSE	Clusterin;	Apolipoprotein J;Clustrin;Sulfated glycoprotein 2;
KGKSCRTITF	EQFQEALEELAKKR	N-ter +34.06 Da, K +34.06 Da	29.4	69.7	4	1820.22	1.07	0.12	TPPP_MOUSE		Tubulin polymerization-promoting protein;	
KRSRWNQDTM	EQKTVIPGMPTVIPPGLTR	N-ter +28.03 Da, K +28.03 Da	40.7	58.7	3	2089.32	0.36	0.01	SF01_MOUSE	Q3UI45_MOUSE	Splicing factor 1;	CW17;Mammalian branch point-binding protein;Transcription factor ZFM1;Zinc finger gene in MEN1 locus;Zinc finger protein 162;
GPRGERGTPG	ESGAAGPSGPIGSR	N-ter +34.06 Da	48.1	32.3	2	1275.70	1.18	0.09	CO1A2_MOUSE	E9Q6U9_MOUSE	Collagen alpha-2(I) chain;	Alpha-2 type I collagen;
RSGGESHQDQ	ESIHLQLSSFPSLQEEDKSR	N-ter +34.06 Da, K +34.06 Da	23.1	88.9	4	2397.50	-5.64	0.00	ARP21_MOUSE	E9Q4A0_MOUSE	cAMP-regulated phosphoprotein 21;	Regulator of calmodulin signaling;Thymocyte cAMP-regulated phosphoprotein;
VSEAGPAGAG	ESKCPLMVKVLDAVR	N-ter +34.06 Da, K +34.06 Da, C +57.02 Da	22.6	75.0	4	1846.27	1.81	0.21	TTHY_MOUSE		Transthyretin;	Prealbumin;
LSIFVGSCFS	ESPTKVQLVGGAHR	N-ter +34.06 Da, K +34.06 Da	38.5	86.3	4	1546.06	0.26	0.03	CD5L_MOUSE		CD5 antigen-like;	Apoptosis inhibitor expressed by macrophages;Apoptosis inhibitory 6;CT-2;SP-alpha;
ADRQGRRGVS	ESQASDSEGHSDFSEGQAVGAHR	N-ter +34.06 Da	61.0	89.1	4	2421.28	2.51	0.54	F6TL02_MOUSE	F7BVV1_MOUSE		
RSPRRSPVHP	ESSEGEEHSVVPQR	N-ter +34.06 Da	34.5	66.8	3	1602.88	0.93	0.10	FILA2_MOUSE	FILA2_MOUSE	Filaggrin-2;	Intermediate filament-associated protein;
GRYTDATSKY	ESVMKTEPSVAEYTVR	N-ter +28.03 Da, K +28.03 Da	34.7	61.5	3	1881.07	0.19	0.02	DNJC3_MOUSE		DnaJ homolog subfamily C member 3;	Interferon-induced, double-stranded RNA-activated protein kinase inhibitor;Protein kinase inhibitor of 58 kDa;
MADDLDF	ETGDAGASATFPMQCSALR	N-ter +28.03 Da, C +57.02 Da	55.4	36.2	3	1996.97	0.47	0.04	IF5A1_MOUSE		Eukaryotic translation initiation factor 5A-1;	Eukaryotic initiation factor 5A isoform 1;eIF-4D;
GPAGKNGDRG	ETGPAGPAGPIGPAGAR	N-ter +34.06 Da	50.0	49.2	3	1508.89	2.64	0.20	CO1A1_MOUSE	F8WGB7_MOUSE	Collagen alpha-1(I) chain;	Alpha-1 type I collagen;
GGKGEQKQMK	ETIMNQEKLAKLQAQVR	N-ter +28.03 Da, K +28.03 Da	17.5	66.2	4	2083.32	1.31	0.09	BTF3_MOUSE		Transcription factor BTF3;	RNA polymerase B transcription factor 3;
RRSGRLLTRW	ETTSSIPEAGEGQIR	N-ter +34.06 Da	39.7	56.4	3	1607.91	0.39	0.05	ISCA2_MOUSE		Iron-sulfur cluster assembly 2 homolog, mitochondrial;	HESB-like domain-containing protein 1;
LASLLLSGQA	EVEDASEEAPLR	N-ter +28.03 Da	44.8	40.0	2	1371.71	-0.76	0.09	SRCA_MOUSE		Sarcalumenin;	
FSRGLSNAER	EVGKALEGINNGITQAGR	N-ter +28.03 Da, K +28.03 Da	52.2	61.4	3	1882.14	-0.43	0.03	SBSN_MOUSE	E9QPB2_MOUSE	Suprabasin;	
VLSAEKLRDE	EVHTGLGELLR	N-ter +28.03 Da	33.6	42.6	3	1250.75	0.68	0.07	SERPH_MOUSE		Serpin H1;	47 kDa heat shock protein;Collagen-binding protein;Serine protease inhibitor J6;
LTKLPGYPVK	EVKCDMEVSCPEGYTCCR	N-ter +28.03 Da, K +28.03 Da, C +57.02 Da	55.9	47.0	3	2335.05	0.77	0.09	GRN_MOUSE	Q3U9N4_MOUSE	Granulins;	PC cell-derived growth factor;Proepithelin;
GAGFRPKVKR	EVKVDCSEYLALSKR	N-ter +28.03 Da, K +28.03 Da, C +57.02 Da	33.3	61.6	4	1880.12	0.87	0.09	Q8BM18_MOUSE	Q148R4_MOUSE		
VLMDIFQVKA	EVLDMAENAFDDEYLKCKSR	N-ter +28.03 Da, K +28.03 Da, C +57.02 Da	44.9	95.1	4	2516.43	-6.64	0.00	NAR3_MOUSE	E9Q1U7_MOUSE	Ecto-ADP-ribosyltransferase 3;	Mono(ADP-ribosyl)transferase 3;NAD(P)(+)--arginine ADP-ribosyltransferase 3;
VAFVKHTTIF	EVLPEKADRDQYELLCLDNTR	N-ter +34.06 Da, K +34.06 Da, C +57.02 Da	31.4	58.6	4	2644.54	-1.74	0.12	TRFE_MOUSE	E9Q035_MOUSE	Serotransferrin;	Beta-1 metal-binding globulin;Siderophilin;
LMAVVIGINS	EVQLQQSGAELVR	N-ter +34.06 Da	48.8	39.4	3	1489.89	0.60	0.06	HVM02_MOUSE		Ig heavy chain V region 93G7;	
DKRSALQSIN	EWASQTTDGKLPEVTKDVER	N-ter +28.03 Da, K +28.03 Da	39.9	70.7	4	2372.39	0.51	0.03	SERPH_MOUSE		Serpin H1;	47 kDa heat shock protein;Collagen-binding protein;Serine protease inhibitor J6;
LASVFHATAF	EWDTEGNPFDQDIYGR	N-ter +34.06 Da	42.7	80.5	3	1975.04	-0.84	0.12	SERPH_MOUSE		Serpin H1;	47 kDa heat shock protein;Collagen-binding protein;Serine protease inhibitor J6;
EEHHLRDYFE	EYGKIDTIEIITDR	N-ter +28.03 Da, K +28.03 Da	22.3	80.3	3	1721.06	-1.47	0.08	ROA2_MOUSE	F6U106_MOUSE	Heterogeneous nuclear ribonucleoproteins A2/B1;	
IHFPRLSISG	EYNLKTLMSPLGITR	N-ter +34.06 Da, K +34.06 Da	33.5	71.7	3	1803.19	1.02	0.15	A1AT1_MOUSE	A1AT3_MOUSE	Alpha-1-antitrypsin 1-1;	Alpha-1 protease inhibitor 1;Alpha-1-antiproteinase;Serine protease inhibitor 1-1;Serine protease inhibitor A1a;
GIRGITGLPG	FAGPPGLPGLPGHPGPR	N-ter +28.03 Da	24.9	44.1	3	1650.97	1.61	0.07	CO4A3_MOUSE		Collagen alpha-3(IV) chain;	
RSFSTSVVRP	FAKLVRPPVQVYGIEGR	N-ter +28.03 Da, K +28.03 Da	36.8	48.7	4	1984.26	-0.97	0.06	ATPO_MOUSE	D3Z4J0_MOUSE	ATP synthase subunit O, mitochondrial;	Oligomycin sensitivity conferral protein;
PSSLITRVSY	FAVFDGHGGIR	N-ter +34.06 Da	38.5	51.6	3	1208.71	-1.89	0.07	ILKAP_MOUSE		Integrin-linked kinase-associated serine/threonine phosphatase 2C;	
PEISASVMKI	FDAAKAPIQWEER	N-ter +28.03 Da, K +28.03 Da	23.7	62.1	3	1615.94	-0.40	0.04	IDH3A_MOUSE		Isocitrate dehydrogenase [NAD] subunit alpha, mitochondrial;	Isocitric dehydrogenase subunit alpha;NAD(+)-specific ICDH subunit alpha;
GKADVSFVLF	FDCNNEICIER	N-ter +34.06 Da, C +57.02 Da	28.0	53.3	3	1502.75	-1.40	0.15	KCY_MOUSE		UMP-CMP kinase;	Cytidine monophosphate kinase;Cytidylate kinase;Deoxycytidylate kinase;Uridine monophosphate kinase;Uridine monophosphate/cytidine monophosphate kinase;
PYQLKTAMFC	FDEGSSTPGPTSGPPKTAR	N-ter +28.03 Da, K +28.03 Da	56.1	54.1	3	1944.06	0.00	0.00	SYP2L_MOUSE	B2RQK7_MOUSE	Synaptopodin 2-like protein;	
EIFDKARVLF	FDELDSIAKAR	N-ter +34.06 Da, K +34.06 Da	19.9	71.1	3	1331.87	-1.25	0.18	TERA_MOUSE		Transitional endoplasmic reticulum ATPase;	15S Mg(2+)-ATPase p97 subunit;Valosin-containing protein;
VVKGEKILPV	FDEPPNPTNVEESLKR	N-ter +34.06 Da, K +34.06 Da	37.7	61.3	3	1939.15	-1.18	0.05	TMOD3_MOUSE		Tropomodulin-3;	Ubiquitous tropomodulin;
DGLRKRPLIV	FDGSSTSTSIKVKR	N-ter +28.03 Da, K +28.03 Da	22.7	85.8	4	1596.03	0.07	0.00	ASHWN_MOUSE		Ashwin;	

Non Prime Site	Prime Site	Modifications	Hyperscore	Mass error in ppm	Charge	Precursor neutral mass in Da	Fold change (log_2) of ASAPRatio	FC-error of ASAPRatio	Uniprot ID 1	Uniprot ID 2	Protein Name 1	Protein Name 2
MVNPTVF	FDITADDEPLGR	N-ter +28.03 Da	51.6	38.8	2	1375.72	-0.86	0.08	PPIA_MOUSE	E9Q1E3_MOUSE	Peptidyl-prolyl cis-trans isomerase A;	Cyclophilin A;Cyclosporin A-binding protein;Rotamase A;SP18;
QQQLIDDHFL	FDKPVSPLLLASGMAR	N-ter +28.03 Da, K +28.03 Da	37.5	66.8	3	1757.11	0.67	0.05	KCRM_MOUSE	KCRB_MOUSE	Creatine kinase M-type;	Creatine kinase M chain;M-CK;
KGPKVTVKVY	FDLQIGDESVGR	N-ter +28.03 Da	37.9	37.4	2	1362.73	-0.04	0.00	PPIB_MOUSE		Peptidyl-prolyl cis-trans isomerase B;	CYP-S1;Cyclophilin B;Rotamase B;S-cyclophilin;
AEGSSNVFSM	FDQTQIQEFKEAFTVIDQNR	N-ter +28.03 Da, K +28.03 Da	54.0	66.0	4	2512.43	0.19	0.05	MLRS_MOUSE	F6ULR7_MOUSE	Myosin regulatory light chain 2, skeletal muscle isoform;	Fast skeletal myosin light chain 2;MLC2F;
SYTYLSLGFF	FDRDDVALEGVGHFFR	N-ter +34.06 Da	61.3	101.0	4	1913.16	-2.12	0.18	FRIL1_MOUSE	FRIL2_MOUSE	Ferritin light chain 1;	Ferritin L subunit 1;
VDSRSPGMPL	FDVEEGVLSKR	N-ter +34.06 Da, K +34.06 Da	25.9	49.6	3	1345.85	0.26	0.02	CMYA5_MOUSE	E9QLJ0_MOUSE	Cardiomyopathy-associated protein 5;	Heart and skeletal muscle-specific and sprouty domain-containing;Myospryn;Stretch-response protein 553;Stretch-responsive fibronectin protein type 3;TRIM-like protein;
HVDTNTQSAC	FDVIDQKSLPTSAEER	N-ter +28.03 Da, K +28.03 Da	36.1	79.7	3	1890.12	-1.09	0.12	PRC2C_MOUSE	E9QKG5_MOUSE	Protein PRRC2C;	BAT2 domain-containing protein 1;HLA-B-associated transcript 2-like 2;Proline-rich and coiled-coil-containing protein 2C;
KRARVNPVVF	FDVSIGGQEVGR	N-ter +28.03 Da	27.0	39.5	2	1290.71	-1.40	0.15	PPIH_MOUSE	A2BGI9_MOUSE	Peptidyl-prolyl cis-trans isomerase H;	Rotamase H;
GVEEIKNNLF	FEGVDWEHIR	N-ter +28.03 Da	29.9	52.5	3	1314.70	0.84	0.09	STK38_MOUSE		Serine/threonine-protein kinase 38;	NDR1 protein kinase;Nuclear Dbf2-related kinase 1;
DTEEYNLRDY	FEKYGKIETIEVMEDR	N-ter +28.03 Da, K +28.03 Da	37.9	70.0	4	2070.22	0.53	0.04	ROA3_MOUSE	A2AL12_MOUSE	Heterogeneous nuclear ribonucleoprotein A3;	
QLDKRRSGQS	FEVILKSPSDLSPESPVLSSPPKR	N-ter +34.06 Da, K +34.06 Da	19.6	65.0	4	2710.78	-2.12	0.18	STMN3_MOUSE	F6QGJ6_MOUSE	Stathmin-3;	Hippocampus abundant transcript 3;SCG10-like protein;SCG10-related protein HiAT3;
KSIIMYLTSL	FEVLPQQVTIDAIR	N-ter +28.03 Da	31.1	55.6	3	1656.02	0.14	0.01	Q3TR59_MOUSE	E9Q6R7_MOUSE		
NRPPTYPTKY	FGCELGAQTQFDVKNDR	N-ter +34.06 Da, K +34.06 Da, C +57.02 Da	31.5	60.5	3	2052.16	0.03	0.01	IF5_MOUSE	Q8BVV6_MOUSE	Eukaryotic translation initiation factor 5;	
GGPKLPGRVA	FGEDIDLPETFDAR	N-ter +34.06 Da	34.2	39.6	3	1657.87	-6.64	0.00	CATB_MOUSE		Cathepsin B;	Cathepsin B1;
EQALEDHFSS	FGPISEVVVVKDR	N-ter +28.03 Da, K +28.03 Da	27.8	62.7	3	1499.96	1.73	0.19	RBM3_MOUSE	Q8BG13_MOUSE	Putative RNA-binding protein 3;	RNA-binding motif protein 3;
MMGSDMRTER	FGQGGAGPVGGQGPR	N-ter +34.06 Da	34.9	56.6	3	1374.80	0.65	0.03	SFPQ_MOUSE		Splicing factor, proline- and glutamine-rich;	DNA-binding p52/p100 complex, 100 kDa subunit;Polypyrimidine tract-binding protein-associated-splicing factor;
SMFDQTQIQE	FKEAFTVIDQNR	N-ter +28.03 Da, K +28.03 Da	45.0	49.0	3	1522.89	-0.14	0.01	MLRS_MOUSE	F6ULR7_MOUSE	Myosin regulatory light chain 2, skeletal muscle isoform;	Fast skeletal myosin light chain 2;MLC2F;
VARGKLHVLL	FKEETEIPAR	N-ter +34.06 Da, K +34.06 Da	34.4	51.6	3	1286.82	0.01	0.00	PRDBP_MOUSE		Protein kinase C delta-binding protein;	Cavin-3;Serum deprivation response factor-related gene product that binds to C-kinase;
PEGKGTIKKQ	FLEELLTTQCDR	N-ter +34.06 Da, C +57.02 Da	26.0	49.5	3	1557.87	2.30	0.15	MLRS_MOUSE		Myosin regulatory light chain 2, skeletal muscle isoform;	Fast skeletal myosin light chain 2;MLC2F;
MVSEFLKQAR	FLENQEQEYVQAVK	N-ter +34.06 Da, K +34.06 Da	44.2	42.0	3	1792.04	-0.67	0.03	ANXA1_MOUSE	E9QA30_MOUSE	Annexin A1;	Annexin I;Annexin-1;Calpactin II;Calpactin-2;Chromobindin-9;Lipocortin I;Phospholipase A2 inhibitory protein;p35;
KIVSNVPQLE	FLNLSSNPLSLSVLER	N-ter +28.03 Da	27.9	54.4	4	1816.11	2.62	0.19	TBCEL_MOUSE		Tubulin-specific chaperone cofactor E-like protein;	Leucine-rich repeat-containing protein 35;
FSKVAGAKSK	FMPAAQDTDSKPR	N-ter +34.06 Da, K +34.06 Da	27.5	70.3	3	1530.92	-0.62	0.12	FYB_MOUSE		FYN-binding protein;	Adhesion and degranulation promoting adaptor protein;FYB-120/130;FYN-T-binding protein;SLAP-130;SLP-76-associated phosphoprotein;
FDAGTYSCRA	FNELGEALAECKLDVR	N-ter +34.06 Da, K +34.06 Da, C +57.02 Da	23.4	61.1	3	1931.16	-0.64	0.13	MYPC2_MOUSE	F8WI34_MOUSE	Myosin-binding protein C, fast-type;	C-protein, skeletal muscle fast isoform;
EEFDARWVTY	FNKPDIDAWELR	N-ter +34.06 Da, K +34.06 Da	38.3	61.6	3	1570.97	-1.79	0.25	COX5A_MOUSE		Cytochrome c oxidase subunit 5A, mitochondrial;	Cytochrome c oxidase polypeptide Va;
MK	FNPFVTSDR	N-ter +28.03 Da	31.9	26.9	2	1109.58	0.31	0.01	RL26_MOUSE	D3Z3Q9_MOUSE	60S ribosomal protein L26;	Silica-induced gene 20 protein;
RATVASSSQK	FQDLGVKNSEPAAR	N-ter +34.06 Da, K +34.06 Da	25.7	63.0	3	1599.01	2.08	0.15	SEPT9_MOUSE	A2A6U3_MOUSE	Septin-9;	SL3-3 integration site 1 protein;
EAASGALSMF	FQGEETENEENLSSEKAGLDKR	N-ter +28.03 Da, K +28.03 Da	42.9	62.9	4	2593.41	0.35	0.05	A2AIX1_MOUSE	E9QAT4_MOUSE		
TGSILVAVNP	FQMLPLYTLEQVQIYYSR	N-ter +34.06 Da	24.8	62.1	4	2325.37	-1.22	0.09	MYO7B_MOUSE		Myosin-VIIb;	
IILYEQHGFA	FQSGQVLSALPR	N-ter +28.03 Da	30.0	54.5	3	1329.81	0.28	0.03	CBPB2_MOUSE		Carboxypeptidase B2;	Carboxypeptidase R;Carboxypeptidase U;Thrombin-activable fibrinolysis inhibitor;
ELNGKLTGMA	FRVPTPNVSVVDLTCR	N-ter +28.03 Da, C +57.02 Da	50.6	72.5	3	1887.14	0.30	0.02	E9Q9E5_MOUSE	G3PT_MOUSE	Glyceraldehyde-3-phosphate dehydrogenase;	
VLRPPGGGSN	FSLGFDEPAEQPVR	N-ter +28.03 Da	40.9	54.5	3	1618.89	0.84	0.03	HN1_MOUSE		Hematological and neurological expressed 1 protein;	
SLNDITKKEK	FSPLTANLMNLLAENGR	N-ter +34.06 Da	30.6	69.9	3	1894.15	-0.27	0.04	ATPO_MOUSE	D3Z4J0_MOUSE	ATP synthase subunit O, mitochondrial;	Oligomycin sensitivity conferral protein;
LSFMNTELAA	FTKNQKDPGVLDR	N-ter +28.03 Da, K +28.03 Da	19.8	91.7	4	1601.04	0.19	0.02	S10AB_MOUSE	F6SJ35_MOUSE	Protein S100-A11;	Calgizzarin;Endothelial monocyte-activating polypeptide;Protein S100-C;S100 calcium-binding protein A11;
SAPRVEFDLA	FTPEISWSLR	N-ter +34.06 Da	29.6	37.5	2	1268.75	0.52	0.04	MUG1_MOUSE		Murinoglobulin-1;	
ATLVESSTSG	FTPSGAGASVSMIASR	N-ter +28.03 Da	45.2	43.8	3	1565.86	0.21	0.02	NASP_MOUSE	B1AU75_MOUSE	Nuclear autoantigenic sperm protein;	
SVLTPTPPQA	FTVIDQNR	N-ter +28.03 Da	23.3	47.9	2	1019.59	0.71	0.02	MLRS_MOUSE	F6ULR7_MOUSE	Myosin regulatory light chain 2, skeletal muscle isoform;	Fast skeletal myosin light chain 2;MLC2F;
RYLSPKYIKM	FVLDEADEMLSR	N-ter +28.03 Da	38.1	34.9	2	1451.75	0.58	0.07	IF4A1_MOUSE	IF4A2_MOUSE	Eukaryotic initiation factor 4A-I;	ATP-dependent RNA helicase eIF4A-1;
LDRHANTIRL	FVLLPEQSPGSYSKR	N-ter +28.03 Da, K +28.03 Da	44.7	62.0	3	1763.07	-0.92	0.05	UBP47_MOUSE	F6ZD38_MOUSE	Ubiquitin carboxyl-terminal hydrolase 47;	Deubiquitinating enzyme 47;Ubiquitin thiolesterase 47;Ubiquitin-specific-processing protease 47;

Non Prime Site	Prime Site	Modifications	Hyperscore	Mass error in ppm	Charge	Precursor neutral mass in Da	Fold change (log_2) of ASAPRatio	FC-error of ASAPRatio	Uniprot ID 1	Uniprot ID 2	Protein Name 1	Protein Name 2
RTSTSAVPNL	FVPLNTNPKEVQEMR	N-ter +34.06 Da, K +34.06 Da	21.5	60.9	3	1869.16	0.01	0.00	ADDA_MOUSE	E9Q1K3_MOUSE	Alpha-adducin;	Erythrocyte adducin subunit alpha;
WGMKVLQTRG	FVSDSSDSMDTGAGSIR	N-ter +34.06 Da	26.5	74.9	3	1764.94	-0.97	0.10	ATIF1_MOUSE	Q9D879_MOUSE	ATPase inhibitor, mitochondrial;	Inhibitor of F(1)F(o)-ATPase;
HRDDGLADLL	FVSSGPTNASAFTER	N-ter +34.06 Da	43.7	49.5	3	1603.89	0.08	0.01	MAP4_MOUSE	E9QPW8_MOUSE	Microtubule-associated protein 4;	
GGAAGATSLC	FVYPLDFAR	N-ter +28.03 Da	21.9	43.3	2	1154.66	0.38	0.03	ADT1_MOUSE	ADT2_MOUSE	ADP/ATP translocase 1;	ADP,ATP carrier protein 1;ADP,ATP carrier protein, heart/skeletal muscle isoform T1;Adenine nucleotide translocator 1;Solute carrier family 25 member 4;mANC1;
NESGNPSYKY	FYVSAEQVVQGMKEAQER	N-ter +34.06 Da, K +34.06 Da	23.9	66.4	3	2166.29	-5.64	0.00	TXD12_MOUSE		Thioredoxin domain-containing protein 12;	Endoplasmic reticulum resident protein 19;Thioredoxin-like protein p19;
GPPPPAGGGG	GAAGAGGGPPPGPPGAGDR	N-ter +34.06 Da	44.0	67.3	3	1548.89	-0.52	0.04	FUBP2_MOUSE		Far upstream element-binding protein 2;	KH type-splicing regulatory protein;
NPLKNSGIEN	GAFQGLKSLSYIR	N-ter +34.06 Da, K +34.06 Da	30.7	61.6	3	1507.01	1.60	0.17	PGS2_MOUSE		Decorin;	Bone proteoglycan II;PG-S2;PG40;
LLRGPPVARA	GAGAVGAGPVVR	N-ter +34.06 Da	47.7	37.7	2	1043.67	-0.12	0.01	Q6PE62_MOUSE			
RNLHKTAVHN	GAGGALFVHR	N-ter +34.06 Da	46.6	40.3	2	1017.63	0.37	0.05	NDUV2_MOUSE		NADH dehydrogenase [ubiquinone] flavoprotein 2, mitochondrial;	NADH-ubiquinone oxidoreductase 24 kDa subunit;
MSVFGKLF	GAGGGKAGKGGPTPQEAIQR	N-ter +34.06 Da, K +34.06 Da	24.2	86.3	4	1938.32	0.18	0.03	CHM4B_MOUSE		Charged multivesicular body protein 4b;	Chromatin-modifying protein 4b;
ATPKQGPRML	GAPEEADANEEGVR	N-ter +28.03 Da	34.9	62.4	3	1470.75	0.60	0.05	CYTC_MOUSE	A2APX3_MOUSE	Cystatin-C;	Cystatin-3;
RVAGPQPAQT	GAPQGSLGEYLFER	N-ter +28.03 Da	41.3	67.4	3	1550.88	-0.36	0.03	FRIL1_MOUSE	Q9CPX4_MOUSE	Ferritin light chain 1;	Ferritin L subunit 1;
ESEGIGDSNF	GAPSASVAAAPAPAR	N-ter +34.06 Da	31.4	52.6	3	1326.82	0.59	0.10	AP1B1_MOUSE	Q8CC13_MOUSE	AP-1 complex subunit beta-1;	Adapter-related protein complex 1 subunit beta-1;Adaptor protein complex AP-1 subunit beta-1;Beta-1-adaptin;Beta-adaptin 1;Clathrin assembly protein complex 1 beta large chain;Golgi adaptor HA1/AP1 adaptin beta subunit;
AGSSSGSGVQ	GASAGGLAADASR	N-ter +28.03 Da	72.7	45.5	2	1130.62	2.12	0.16	FILA_MOUSE	F7BVV1_MOUSE	Filaggrin;	
TISLQMGTNK	GASQAGMLAPGTR	N-ter +34.06 Da	65.1	40.0	2	1249.72	-0.47	0.04	CNN3_MOUSE		Calponin-3;	Calponin, acidic isoform;
VSQKTPRAQP	GATTVQEQLR	N-ter +28.03 Da	40.1	37.7	2	1129.65	-1.60	0.10	PLD4_MOUSE		Phospholipase D4;	Choline phosphatase 4;Phosphatidylcholine-hydrolyzing phospholipase D4;
GKSGGSGAGK	GAVSAEQVIAGFNR	N-ter +34.06 Da	42.8	58.5	3	1451.88	-0.67	0.04	PFD2_MOUSE	F8WJ30_MOUSE	Prefoldin subunit 2;	
DYKSAHKGFK	GAYDAQGTLSKIFKLGGR	N-ter +34.06 Da, K +34.06 Da	30.0	84.6	4	1983.37	-0.49	0.05	F7A0B0_MOUSE	F6RT34_MOUSE		
TDLNPDNLQG	GDDLDPNYVLSSR	N-ter +28.03 Da	37.1	33.9	2	1477.75	0.35	0.03	KCRM_MOUSE	KCRB_MOUSE	Creatine kinase M-type;	Creatine kinase M chain;M-CK;
TMRQTYPLQR	GDEAATLLENLASER	N-ter +28.03 Da	23.0	45.5	3	1615.88	0.31	0.06	E9Q492_MOUSE	Q3V0V1_MOUSE		
PASHEIATNL	GDFAISLYR	N-ter +34.06 Da	34.7	29.1	2	1074.62	0.87	0.08	A1AT1_MOUSE	A1AT2_MOUSE	Alpha-1-antitrypsin 1-1;	Alpha-1 protease inhibitor 1;Alpha-1-antiproteinase;Serine protease inhibitor 1-1;Serine protease inhibitor A1a;
SHDFNFHINY	GDLGFLGPEDLR	N-ter +34.06 Da	48.2	36.6	2	1321.76	-0.92	0.12	HYOU1_MOUSE		Hypoxia up-regulated protein 1;	140 kDa Ca(2+)-binding protein;
LTKVNKECCH	GDLLECADDR	N-ter +34.06 Da, C +57.02 Da	37.7	33.3	2	1196.60	-0.62	0.02	ALBU_MOUSE		Serum albumin;	
EDERKMLTGS	GDPKEEEEEELVDPLTTVR	N-ter +34.06 Da, K +34.06 Da	47.8	62.0	3	2252.31	-0.14	0.02	QCR6_MOUSE		Cytochrome b-c1 complex subunit 6, mitochondrial;	Complex III subunit 6;Complex III subunit VIII;Cytochrome c1 non-heme 11 kDa protein;Mitochondrial hinge protein;Ubiquinol-cytochrome c reductase complex 11 kDa protein;
PGPVGPAGKN	GDRGETGPAGPAGPIGPAGAR	N-ter +34.06 Da	73.5	47.2	3	1894.08	2.32	0.30	CO1A1_MOUSE	F8WGB7_MOUSE	Collagen alpha-1(I) chain;	Alpha-1 type I collagen;
RPVGPLTHTR	GDSPKIDLAGSALSGILDKDLSDR	N-ter +34.06 Da, K +34.06 Da	65.1	82.4	4	2544.66	-0.25	0.04	SH3K1_MOUSE	B0R0Y8_MOUSE	SH3 domain-containing kinase-binding protein 1;	Regulator of ubiquitous kinase;SH3-containing, expressed in tumorigenic astrocytes;
LNDGDISLTY	GDSTVNTESATASAPR	N-ter +34.06 Da	48.6	59.4	3	1596.88	0.77	0.14	B0QZV3_MOUSE	A1L3P4_MOUSE	Sodium/hydrogen exchanger;	
VECVDSVSLE	GDTGSEIPLKEQDDAAVDPSSQAGR	N-ter +34.06 Da, K +34.06 Da	49.5	74.4	4	2610.50	-0.62	0.10	NXP20_MOUSE	D3Z2J2_MOUSE	Protein Noxp20;	Nervous system over-expressed protein 20;Protein FAM114A1;
IRNVKGPVQE	GDVLTLLESER	N-ter +28.03 Da	38.6	37.0	2	1258.72	-1.84	0.13	RS28_MOUSE	D3YVD9_MOUSE	40S ribosomal protein S28;	
SLTKYKKTLL	GDVPVVADPTVPNVTVTR	N-ter +28.03 Da	47.2	39.4	3	1863.08	0.43	0.04	GDIR2_MOUSE		Rho GDP-dissociation inhibitor 2;	D4;Rho-GDI beta;
VLGVSEPVLA	GDVSSCDNPSGTEPSGTNR	N-ter +34.06 Da, C +57.02 Da	49.7	66.7	3	1969.98	0.39	0.07	Q9D140_MOUSE			
VSGALSDLSF	GEAPAAPQPSMSSEER	N-ter +28.03 Da	32.7	66.3	3	1670.87	-0.30	0.02	GLYG_MOUSE	D3Z5N4_MOUSE	Glycogenin-1;	
ASVPTLASTL	GEAPVPPPLSVR	N-ter +28.03 Da	18.9	83.6	3	1245.81	4.90	0.46	IGDC3_MOUSE	Q5RJW1_MOUSE	Immunoglobulin superfamily DCC subclass member 3;	Putative neuronal cell adhesion molecule;
LSNNQEVSAF	GEDGEGDDLDLWTVR	N-ter +28.03 Da	45.1	89.8	3	1703.92	0.01	0.00	SDF2L_MOUSE		Stromal cell-derived factor 2-like protein 1;	
AGRFHVNLLC	GEEQGADAALHFNPR	N-ter +34.06 Da	83.8	54.7	3	1644.90	1.31	0.09	LEG7_MOUSE	Q9CRB1_MOUSE	Galectin-7;	
ARQGHREPVQ	GEIAHQPLQPTGPSSR	N-ter +34.06 Da	34.4	69.6	3	1708.03	-0.34	0.05	Q9QZV4_MOUSE	E9Q399_MOUSE		
EKIREYFGQF	GEIEAIELPIDPKLNKR	N-ter +28.03 Da, K +28.03 Da	29.5	65.2	4	2018.31	-1.94	0.15	ROAA_MOUSE	Q80XR6_MOUSE	Heterogeneous nuclear ribonucleoprotein A/B;	CArG-binding factor-A;
CAIPNLRENY	GELADCCTKQEPER	N-ter +34.06 Da, K +34.06 Da, C +57.02 Da	30.8	67.2	3	1759.97	-1.22	0.23	ALBU_MOUSE		Serum albumin;	
MSDN	GELEDKPPAPPVR	N-ter +28.03 Da, K +28.03 Da	31.7	71.5	3	1459.91	1.31	0.07	PAK2_MOUSE		Serine/threonine-protein kinase PAK 2;	Gamma-PAK;p21-activated kinase 2;
FVSEAGPAGA	GESKCPLMVKVLDAVR	N-ter +34.06 Da, K +34.06 Da, C +57.02 Da	27.5	76.2	4	1903.29	-0.04	0.00	TTHY_MOUSE		Transthyretin;	Prealbumin;
ACGSVTMSNP	GESSFDLADR	N-ter +34.06 Da	37.9	39.9	2	1129.59	-0.01	0.00	SODE_MOUSE		Extracellular superoxide dismutase [Cu-Zn];	
DCTKVKCYRC	GETGHVAINCSKTSEVNCYR	N-ter +28.03 Da, K +28.03 Da, C +57.02 Da	34.5	77.5	4	2337.27	0.20	0.04	CNBP_MOUSE		Cellular nucleic acid-binding protein;	Zinc finger protein 9;
VGPAGKNGDR	GETGPAGPAGPIGPAGAR	N-ter +34.06 Da	57.1	48.2	3	1565.91	1.60	0.10	CO1A1_MOUSE	F8WGB7_MOUSE	Collagen alpha-1(I) chain;	Alpha-1 type I collagen;
NVVKTGRVML	GETNPADSKPGTIR	N-ter +28.03 Da, K +28.03 Da	46.7	71.4	3	1497.89	1.40	0.21	NDKA_MOUSE	NDKB_MOUSE	Nucleoside diphosphate kinase A;	Metastasis inhibition factor NM23;NDPK-A;Tumor metastatic process-associated protein;nm23-M1;

Non Prime Site	Prime Site	Modifications	Hyperscore	Mass error in ppm	Charge	Precursor neutral mass in Da	Fold change (log_2) of ASAPRatio	FC-error of ASAPRatio	Uniprot ID 1	Uniprot ID 2	Protein Name 1	Protein Name 2
KGVVPLAGTN	GETTTQGLDGLSER	N-ter +28.03 Da	46.5	47.5	3	1490.79	0.28	0.02	ALDOA_MOUSE	Q9CPQ9_MOUSE	Fructose-bisphosphate aldolase A;	Aldolase 1;Muscle-type aldolase;
KDLTEYLSRF	GEVVDCTIKTDPVTGR	N-ter +28.03 Da, K +28.03 Da, C +57.02 Da	40.2	67.2	3	1802.05	1.14	0.11	HNRDL_MOUSE	F6VQH5_MOUSE	Heterogeneous nuclear ribonucleoprotein D-like;	JKT41-binding protein;
KDLKDYFSKF	GEVVDCTLKLDPITGR	N-ter +28.03 Da, K +28.03 Da, C +57.02 Da	40.4	55.1	3	1828.08	-0.11	0.03	HNRPD_MOUSE	E9Q5B6_MOUSE	Heterogeneous nuclear ribonucleoprotein D0;	AU-rich element RNA-binding protein 1;
DLHLKGPNVK	GEYDVTVPR	N-ter +28.03 Da	37.9	41.0	2	1062.58	-0.69	0.02	F7BRM2_MOUSE	E9Q616_MOUSE		
KTNCDLYEKL	GEYGFQNAILVR	N-ter +34.06 Da	36.1	46.9	3	1399.83	-0.69	0.02	ALBU_MOUSE		Serum albumin;	
PPGGGSNFSL	GFDEPAEQPVR	N-ter +28.03 Da	42.9	31.7	2	1271.66	0.66	0.04	HN1_MOUSE		Hematological and neurological expressed 1 protein;	
TLHIVERPYS	GFPDASSEGPEPTQGEAR	N-ter +28.03 Da	43.5	56.0	3	1858.94	-1.09	0.02	PTRF_MOUSE	Q3U4N4_MOUSE	Polymerase I and transcript release factor;	Cav-p60;Cavin-1;
SQGTFFTDLN	GFQIQPR	N-ter +34.06 Da	23.9	17.8	2	878.53	-0.34	0.00	MA2A2_MOUSE	Q197W7_MOUSE	Alpha-mannosidase 2x;	Alpha-mannosidase IIx;Mannosidase alpha class 2A member 2;Mannosyl-oligosaccharide 1,3-1,6-alpha-mannosidase;
KEEFEKNKGK	GFSVVADTPELQR	N-ter +34.06 Da	34.3	31.2	3	1451.83	0.10	0.01	LASP1_MOUSE	A2A6G6_MOUSE	LIM and SH3 domain protein 1;	Metastatic lymph node gene 50 protein;
EEYSGLSDGY	GFTTDLFGR	N-ter +34.06 Da	28.0	35.9	2	1046.60	2.18	0.12	HNRPF_MOUSE		Heterogeneous nuclear ribonucleoprotein F;	
KTDLNPDNLQ	GGDDLDPNYVLSSR	N-ter +28.03 Da	41.2	38.0	2	1534.79	0.66	0.04	KCRM_MOUSE	KCRB_MOUSE	Creatine kinase M-type;	Creatine kinase M chain;M-CK;
MV	GGEASAAVEKLVSGVR	N-ter +34.06 Da, K +34.06 Da	54.3	56.6	3	1597.04	0.82	0.04	C2AIL_MOUSE		CDKN2AIP N-terminal-like protein;	CDKN2A-interacting protein N-terminal-like protein;
KAAFDMFDAD	GGGDISVKELGTVMR	N-ter +34.06 Da, K +34.06 Da	26.7	71.7	3	1586.03	0.82	0.07	TNNC2_MOUSE		Troponin C, skeletal muscle;	STNC;
ETRANRAKRR	GGGGHDALKGPNVCGSR	N-ter +28.03 Da, K +28.03 Da, C +57.02 Da	23.8	105.2	4	1694.01	-0.23	0.01	FBN1_MOUSE	A2AQ53_MOUSE	Fibrillin-1;	
GGNFGFGDSR	GGGGNFGPGPGSNFR	N-ter +28.03 Da	54.6	66.1	3	1404.75	-0.25	0.01	ROA2_MOUSE	F6U106_MOUSE	Heterogeneous nuclear ribonucleoproteins A2/B1;	
VRVSSTRGSL	GGGYSSGGFSGGSFSR	N-ter +34.06 Da	53.8	26.5	2	1499.73	-1.60	0.15	K1C10_MOUSE	A2A513_MOUSE	Keratin, type I cytoskeletal 10;	56 kDa cytokeratin;Cytokeratin-10;Keratin, type I cytoskeletal 59 kDa;Keratin-10;
SNIKAAWGKI	GGHGAEYGAEALER	N-ter +34.06 Da	57.9	77.0	3	1449.82	-0.62	0.05	HBA_MOUSE	Q91VB8_MOUSE	Hemoglobin subunit alpha;	Alpha-globin;Hemoglobin alpha chain;
AHLTVKKIFV	GGIKEDTEEYNLR	N-ter +34.06 Da, K +34.06 Da	20.4	50.8	3	1590.93	-1.69	0.22	ROA3_MOUSE	A2AL12_MOUSE	Heterogeneous nuclear ribonucleoprotein A3;	
VASSLGLVSL	GGKATTASQAKAVLSAEKLR	N-ter +28.03 Da, K +28.03 Da	17.7	84.9	4	2098.43	1.80	0.22	SERPH_MOUSE		Serpin H1;	47 kDa heat shock protein;Collagen-binding protein;Serine protease inhibitor J6;
QEVQSSRSGR	GGNFGFGDSR	N-ter +28.03 Da	37.3	48.9	2	1040.52	-0.58	0.01	ROA2_MOUSE	F6U106_MOUSE	Heterogeneous nuclear ribonucleoproteins A2/B1;	
YVASYLLAAL	GGNSSPSAKDIKKILDSVGIEADDDR	N-ter +28.03 Da, K +28.03 Da	31.9	103.6	4	2798.76	-5.06	1.69	RLA2_MOUSE		60S acidic ribosomal protein P2;	
AVLTSQETLF	GGSDCTGNFCLFKSTTKDLLFR	N-ter +28.03 Da, K +28.03 Da, C +57.02 Da	27.3	107.5	4	2607.56	-4.32	0.86	TRFE_MOUSE	E9Q035_MOUSE	Serotransferrin;	Beta-1 metal-binding globulin;Siderophilin;
YGGGGGGGYG	GGSGGYGGGGGGYGGGEGYSISPNSYR	N-ter +34.06 Da	22.3	43.9	4	2460.19	-5.64	0.00	E9QNN1_MOUSE			
GFSSRSLYSL	GGSKSIFGNLVGR	N-ter +28.03 Da, K +28.03 Da	53.2	49.8	3	1346.83	-0.30	0.03	K2C1B_MOUSE		Keratin, type II cytoskeletal 1b;	Cytokeratin-1B;Embryonic type II keratin-1;Keratin-77;Type-II keratin Kb39;
MQAISNNKDQ	GGYEDFVEGLR	N-ter +34.06 Da	37.4	33.6	2	1274.68	0.77	0.05	MYL1_MOUSE	E9PWG4_MOUSE	Myosin light chain 1/3, skeletal muscle isoform;	Myosin light chain alkali 1/2;
PQQQQMTSSY	GGYKEPAAPVSIQR	N-ter +34.06 Da, K +34.06 Da	31.1	66.2	3	1540.01	0.11	0.02	LASP1_MOUSE	A2A6H0_MOUSE	LIM and SH3 domain protein 1;	Metastatic lymph node gene 50 protein;
VSESQASDSE	GHSDFSEGQAVGAHR	N-ter +28.03 Da	44.3	109.0	4	1581.90	1.10	0.19	E9Q019_MOUSE	FILA_MOUSE		
LRQLPFRGDD	GIFDDNFIEER	N-ter +34.06 Da	45.6	25.3	2	1387.72	-1.79	0.12	SNX3_MOUSE	Q78ZM0_MOUSE	Sorting nexin-3;	SDP3 protein;
VCYGRRYGPK	GIGFGQGAGCLSTDTGEHLGLQFQQSPKPAR	N-ter +34.06 Da, K +34.06 Da, C +57.02 Da	59.3	66.9	4	3281.91	0.07	0.00	CSRP3_MOUSE		Cysteine and glycine-rich protein 3;	Cysteine-rich protein 3;LIM domain protein, cardiac;Muscle LIM protein;
NIKRNDFQLI	GIQDGYLSLLQDSGEVR	N-ter +28.03 Da	47.9	66.8	3	1877.08	-2.12	0.37	IF5A1_MOUSE		Eukaryotic translation initiation factor 5A-1;	Eukaryotic initiation factor 5A isoform 1;eIF-4D;
SSSNDSGTKV	GIQLPEVELSVSTKK	N-ter +34.06 Da, K +34.06 Da	38.9	49.0	3	1858.24	0.71	0.03	E9Q1H8_MOUSE	E9Q616_MOUSE		
MD	GIVPDIAVGTKR	N-ter +34.06 Da, K +34.06 Da	40.5	77.0	3	1292.95	0.84	0.05	PTBP1_MOUSE	Q922I7_MOUSE	Polypyrimidine tract-binding protein 1;	Heterogeneous nuclear ribonucleoprotein I;
ARYASICQQN	GIVPIVEPEILPDGDHDLKR	N-ter +34.06 Da, K +34.06 Da	43.3	51.4	4	2279.43	0.07	0.00	ALDOA_MOUSE	ALDOC_MOUSE	Fructose-bisphosphate aldolase A;	Aldolase 1;Muscle-type aldolase;
EKLKKRKERF	GIVTSSAGTGTTEDTEAKKR	N-ter +28.03 Da, K +28.03 Da	43.1	83.6	4	2092.28	1.77	0.31	SARNP_MOUSE		SAP domain-containing ribonucleoprotein;	Nuclear protein Hcc-1;
M	GKDYYQTLGLAR	N-ter +34.06 Da, K +34.06 Da	32.8	38.8	3	1451.90	0.43	0.04	DNJB1_MOUSE		DnaJ homolog subfamily B member 1;	Heat shock 40 kDa protein 1;
PSNQVIMLTF	GKFDVEPDTYCR	N-ter +34.06 Da, K +34.06 Da, C +57.02 Da	30.9	51.6	3	1553.86	-1.47	0.08	PCOC1_MOUSE	D3YZE3_MOUSE	Procollagen C-endopeptidase enhancer 1;	P14;Procollagen COOH-terminal proteinase enhancer 1;Type 1 procollagen C-proteinase enhancer protein;Type I procollagen COOH-terminal proteinase enhancer;
HHLRDYFEEY	GKIDTIEIITDR	N-ter +28.03 Da, K +28.03 Da	36.9	71.1	3	1428.92	1.04	0.05	ROA2_MOUSE	F6U106_MOUSE	Heterogeneous nuclear ribonucleoproteins A2/B1;	
YNLRDYFEKY	GKIETIEVMEDR	N-ter +28.03 Da, K +28.03 Da	39.3	32.2	3	1474.82	0.82	0.06	ROA3_MOUSE	A2AL12_MOUSE	Heterogeneous nuclear ribonucleoprotein A3;	
EDKSNIKAAW	GKIGGHGAEYGAEALER	N-ter +34.06 Da, K +34.06 Da	32.6	71.8	4	1782.10	-0.97	0.02	HBA_MOUSE	Q91VB8_MOUSE	Hemoglobin subunit alpha;	Alpha-globin;Hemoglobin alpha chain;
AEKAAVSCLW	GKVNSDEVGGEALGR	N-ter +28.03 Da, K +28.03 Da	52.7	63.1	3	1542.90	0.00	0.00	HBB1_MOUSE		Hemoglobin subunit beta-1;	Beta-1-globin;Hemoglobin beta-1 chain;Hemoglobin beta-major chain;
DVAASEFYRN	GKYDLDFKSPDDPAR	N-ter +28.03 Da, K +28.03 Da	36.0	54.9	4	1807.01	0.14	0.01	ENOB_MOUSE		Beta-enolase;	2-phospho-D-glycerate hydro-lyase;Enolase 3;Muscle-specific enolase;Skeletal muscle enolase;
NPGHLSFRAL	GLDEGEPAGSWDLTVEGR	N-ter +28.03 Da	45.2	60.2	3	1915.01	-1.25	0.03	CPN2_MOUSE		Carboxypeptidase N subunit 2;	Carboxypeptidase N 83 kDa chain;Carboxypeptidase N large subunit;Carboxypeptidase N polypeptide 2;Carboxypeptidase N regulatory subunit;
TPRLGVQGED	GLDFPEYDGVDR	N-ter +34.06 Da	31.2	5.0	2	1415.69	-0.58	0.04	CASQ1_MOUSE	E9Q489_MOUSE	Calsequestrin-1;	Calsequestrin, skeletal muscle isoform;

Non Prime Site	Prime Site	Modifications	Hyperscore	Mass error in ppm	Charge	Precursor neutral mass in Da	Fold change (log_2) of ASAPRatio	FC-error of ASAPRatio	Uniprot ID 1	Uniprot ID 2	Protein Name 1	Protein Name 2
VTVVRNLETY	GLDPCSVAAILQQR	N-ter +28.03 Da, C +57.02 Da	47.3	58.5	3	1554.91	0.63	0.04	EIF2D_MOUSE	E9PUG7_MOUSE	Eukaryotic translation initiation factor 2D;	Ligatin;
KTFSHELSDF	GLESTTGEVPVVAIR	N-ter +28.03 Da	39.3	31.1	3	1554.91	1.06	0.08	PDIA3_MOUSE		Protein disulfide-isomerase A3;	58 kDa glucose-regulated protein;58 kDa microsomal protein;Disulfide isomerase ER-60;Endoplasmic reticulum resident protein 57;Endoplasmic reticulum resident protein 60;
MFGGLSSWL	GLKPPEGAAAEGEEPPSR	N-ter +34.06 Da, K +34.06 Da	25.5	50.6	3	1859.10	-1.56	0.09	SYAP1_MOUSE		Synapse-associated protein 1;	
M	GLLSQGSPLSWEETQR	N-ter +28.03 Da	62.2	51.5	3	1815.01	0.77	0.06	GSH1_MOUSE		Glutamate--cysteine ligase catalytic subunit;	GCS heavy chain;Gamma-ECS;Gamma-glutamylcysteine synthetase;
PGLKGYSGLQ	GLPGLAGLHGDQGAPGPVGPAGPR	N-ter +28.03 Da	49.2	82.1	4	2175.33	0.82	0.07	CO1A2_MOUSE	E9Q6U9_MOUSE	Collagen alpha-2(I) chain;	Alpha-2 type I collagen;
MGTK	GLPLYPDPCR	N-ter +34.06 Da, C +57.02 Da	43.1	21.3	2	1220.67	-0.23	0.01	YJ005_MOUSE		Uncharacterized protein FLJ45252 homolog;	
QPRGSLRSVR	GLSAPSCPGLDDKTEASAR	N-ter +34.06 Da, K +34.06 Da, C +57.02 Da	57.1	62.4	3	1999.16	-1.29	0.19	PLIN1_MOUSE		Perilipin-1;	Lipid droplet-associated protein;Perilipin A;
SLDQTMAAAF	GLSVPNVHGALAPLAIPSAAAAAAASR	N-ter +28.03 Da	55.7	75.0	4	2480.57	0.26	0.03	PTBP1_MOUSE	Q922I7_MOUSE	Polypyrimidine tract-binding protein 1;	Heterogeneous nuclear ribonucleoprotein I;
ERRRQLAEKY	GLTLDPEADSEYLSR	N-ter +28.03 Da	33.3	6.5	2	1692.83	0.42	0.04	SVIL_MOUSE	Q8K4L2_MOUSE	Supervillin;	Archvillin;p205/p250;
KGYMRPTKSR	GLTPDLPKSASQER	N-ter +28.03 Da, K +28.03 Da	29.2	66.8	3	1553.95	-0.32	0.02	F7CK47_MOUSE		Microtubule-associated protein;	
GRPRHQGVMV	GMGQKDSYVGDEAQSKR	N-ter +34.06 Da, K +34.06 Da	38.8	92.1	4	1957.22	0.41	0.05	ACTS_MOUSE	ACTA_MOUSE	Actin, alpha skeletal muscle;	Alpha-actin-1;
VGPISGADLH	GMLEIPDLR	N-ter +34.06 Da	34.2	21.0	2	1076.63	0.25	0.02	DSG1A_MOUSE	DSG1B_MOUSE	Desmoglein-1-alpha;	DG1;DGI;Desmosomal glycoprotein I;
IFAREILDSR	GNPTVEVDLHTAKGR	N-ter +28.03 Da, K +28.03 Da	21.6	101.9	4	1649.06	0.71	0.02	ENOB_MOUSE	Q5SX59_MOUSE	Beta-enolase;	2-phospho-D-glycerate hydro-lyase;Enolase 3;Muscle-specific enolase;Skeletal muscle enolase;
LAGLVFVSEA	GPAGAGESKCPLMVKVLDAVR	N-ter +34.06 Da, K +34.06 Da, C +57.02 Da	41.1	57.3	3	2256.45	-0.11	0.00	TTHY_MOUSE		Transthyretin;	Prealbumin;
YHEINTDLFM	GPLSPSLSAESSLKR	N-ter +28.03 Da, K +28.03 Da	34.2	69.2	3	1584.00	-0.62	0.06	PPR3A_MOUSE		Protein phosphatase 1 regulatory subunit 3A;	Protein phosphatase 1 glycogen-associated regulatory subunit;Protein phosphatase type-1 glycogen targeting subunit;
SMPDVDLHLK	GPNVKGEYDVTVPR	N-ter +28.03 Da, K +28.03 Da	30.4	68.0	3	1585.95	-0.15	0.01	E9Q616_MOUSE	F7BRM2_MOUSE		
PPLAAGANSK	GPPDFSSDEEREPTPVLGSGASVGR	N-ter +28.03 Da	44.2	79.3	4	2570.43	1.71	0.09	LAP2A_MOUSE	LAP2B_MOUSE	Lamina-associated polypeptide 2, isoforms alpha/zeta;	Thymopoietin isoforms alpha/zeta;
QDHPSSMGVY	GQESGGFSGPGENR	N-ter +34.06 Da	48.9	62.6	3	1411.74	0.54	0.05	EWS_MOUSE	Q5SUS8_MOUSE	RNA-binding protein EWS;	
ATEEKIREYF	GQFGEIEAIELPIDPKLNKR	N-ter +28.03 Da, K +28.03 Da	47.4	90.9	4	2350.54	-1.60	0.24	ROAA_MOUSE	Q80XR6_MOUSE	Heterogeneous nuclear ribonucleoprotein A/B;	CArG-binding factor-A;
MYIFPVHWQF	GQLDQHPIDGYLSHTELAPLR	N-ter +34.06 Da	52.8	62.1	4	2393.40	-0.12	0.01	SPRC_MOUSE	Q5NCU4_MOUSE	SPARC;	Basement-membrane protein 40;Osteonectin;Secreted protein acidic and rich in cysteine;
RSRTVLCGTC	GQPADKAAGGAGAQVGGSISSGSSASSVTVTR	N-ter +28.03 Da, K +28.03 Da	66.1	76.6	4	2873.67	0.61	0.06	LMNA_MOUSE		Prelamin-A/C;	
FQLRSICYLL	GQPEPLAPGTTLPAPDR	N-ter +28.03 Da	26.3	37.4	3	1743.98	0.01	0.00	RN123_MOUSE	Q05CH9_MOUSE	E3 ubiquitin-protein ligase RNF123;	Kip1 ubiquitination-promoting complex protein 1;RING finger protein 123;
VSKQPSRITN	GQPQQTTGAASGGYIKR	N-ter +34.06 Da, K +34.06 Da	40.3	73.8	3	1787.13	0.61	0.05	SNP23_MOUSE	Q9D3L3_MOUSE	Synaptosomal-associated protein 23;	Syndet;Vesicle-membrane fusion protein SNAP-23;
EVQVVRGHYK	GQQIGKVVQVYR	N-ter +34.06 Da, K +34.06 Da	30.8	69.8	3	1442.00	-0.79	0.05	RL26_MOUSE	D3Z3Q9_MOUSE	60S ribosomal protein L26;	Silica-induced gene 20 protein;
HGHGHGYYAA	GQTWQEGDKVIRPGVSQAGEEMEQFGQGVR	N-ter +34.06 Da, K +34.06 Da	28.5	60.2	4	3370.90	-0.11	0.01	E9QPB2_MOUSE			
MR	GQVGDLSPQQQEALAR	N-ter +34.06 Da	51.2	45.0	3	1729.99	-0.36	0.02	S14L4_MOUSE		SEC14-like protein 4;	
HSLRTAAVLQ	GQVVQFKLSDIGEGIR	N-ter +34.06 Da, K +34.06 Da	43.7	69.4	3	1813.20	0.35	0.02	ODB2_MOUSE		Lipoamide acyltransferase component of branched-chain alpha-keto acid dehydrogenase complex, mitochondrial;	Branched-chain alpha-keto acid dehydrogenase complex component E2;Dihydrolipoamide acetyltransferase component of branched-chain alpha-keto acid dehydrogenase complex;Dihydrolipoamide branched chain transacylase;Dihydrolipoyllysine-residue (2-methylpropanoyl)transferase;
EGPVGLPGID	GRPGPIGPAGPR	N-ter +28.03 Da	32.5	60.6	3	1158.73	1.55	0.11	CO1A2_MOUSE	E9Q6U9_MOUSE	Collagen alpha-2(I) chain;	Alpha-2 type I collagen;
RGDSPKIDLA	GSALSGILDKDLSDR	N-ter +34.06 Da, K +34.06 Da	38.5	79.5	3	1614.05	-0.40	0.03	SH3K1_MOUSE	B0R0Y8_MOUSE	SH3 domain-containing kinase-binding protein 1;	Regulator of ubiquitous kinase;SH3-containing, expressed in tumorigenic astrocytes;
EETTALVCDN	GSGLVKAGFAGDDAPR	N-ter +28.03 Da, K +28.03 Da	36.0	73.7	3	1572.94	0.67	0.08	ACTC_MOUSE	ACTS_MOUSE	Actin, alpha cardiac muscle 1;	Alpha-cardiac actin;
HPTSPPRPPG	GSIITVYPKEIR	N-ter +28.03 Da, K +28.03 Da	40.4	60.1	3	1430.94	0.54	0.03	MA2B2_MOUSE		Epididymis-specific alpha-mannosidase;	Mannosidase alpha class 2B member 2;
GGRPAMEPGN	GSLDLGGDAAGR	N-ter +34.06 Da	57.5	26.3	2	1121.62	1.63	0.02	HNRPU_MOUSE		Heterogeneous nuclear ribonucleoprotein U;	Scaffold attachment factor A;
EASITGPMHT	GSPGLWEASILKTGAEDTR	N-ter +34.06 Da, K +34.06 Da	53.2	60.8	3	2055.25	0.39	0.05	Q3URZ6_MOUSE	F7DBB3_MOUSE		
GQSSSANRRA	GSSSGSGVQGASAGGLAADASR	N-ter +34.06 Da	82.6	45.9	3	1883.01	1.52	0.24	FILA_MOUSE	F7BVV1_MOUSE	Filaggrin;	
HGPPPMDQYL	GSTPVGSGVYR	N-ter +28.03 Da	37.7	50.5	2	1106.63	0.61	0.04	SF01_MOUSE	Q3UI45_MOUSE	Splicing factor 1;	CW17;Mammalian branch point-binding protein;Transcription factor ZFM1;Zinc finger gene in MEN1 locus;Zinc finger protein 162;
GDHSTPPSAY	GSVKPYTNFDAER	N-ter +34.06 Da, K +34.06 Da	44.7	53.6	3	1550.92	1.40	0.21	ANXA2_MOUSE	B0V2N7_MOUSE	Annexin A2;	Annexin II;Annexin-2;Calpactin I heavy chain;Calpactin-1 heavy chain;Chromobindin-8;Lipocortin II;Placental anticoagulant protein IV;Protein I;p36;

Non Prime Site	Prime Site	Modifications	Hyperscore	Mass error in ppm	Charge	Precursor neutral mass in Da	Fold change (log_2) of ASAPRatio	FC-error of ASAPRatio	Uniprot ID 1	Uniprot ID 2	Protein Name 1	Protein Name 2
ISTSVCLRAH	GSVVKSEDYAFPTYADR	N-ter +28.03 Da, K +28.03 Da	38.7	70.5	3	1960.10	0.64	0.07	COX41_MOUSE		Cytochrome c oxidase subunit 4 isoform 1, mitochondrial;	Cytochrome c oxidase polypeptide IV;Cytochrome c oxidase subunit IV isoform 1;
YNLRSRTVLC	GTCGQPADKAAGGAGAQVGGSISSGSSASSVT VTR	N-ter +34.06 Da, K +34.06 Da, C +57.02 Da	73.1	77.0	4	3203.86	-1.40	0.18	LMNA_MOUSE		Prelamin-A/C;	
ILTRLRLQKR	GTGGVDTAAVGAVFDISNADR	N-ter +28.03 Da	67.1	52.8	3	2020.09	1.86	0.05	KCRM_MOUSE		Creatine kinase M-type;	Creatine kinase M chain;M-CK;
SVCVVHLRNL	GTLDNPSSLDETAYER	N-ter +28.03 Da	43.5	54.9	3	1794.93	0.26	0.03	FRDA_MOUSE	E9Q2P9_MOUSE	Frataxin, mitochondrial;	
FDQTTISLQM	GTNKGASQAGMLAPGTR	N-ter +28.03 Da, K +28.03 Da	34.7	49.6	3	1671.96	0.88	0.05	CNN3_MOUSE		Calponin-3;	Calponin, acidic isoform;
RKNKMASNIF	GTPEENPPSWAKSAGSKSSGGR	N-ter +34.06 Da, K +34.06 Da	30.3	65.7	4	2288.38	0.12	0.01	HN1_MOUSE		Hematological and neurological expressed 1 protein;	
TIDCDVITLM	GTPSGTAEPYDGTKAR	N-ter +34.06 Da, K +34.06 Da	41.3	70.7	3	1675.00	0.44	0.10	BSDC1_MOUSE		BSD domain-containing protein 1;	
QEFQHYPAMG	GVAPQALAVAASGPGSSFR	N-ter +34.06 Da	63.6	30.5	3	1776.03	0.18	0.01	A2M_MOUSE	D3YW52_MOUSE	Alpha-2-macroglobulin;	Pregnancy zone protein;
CDLPKISQLD	GVDDGTESDTSVTATSR	N-ter +28.03 Da	39.9	51.0	3	1724.86	0.25	0.05	MLL1_MOUSE	E9QNQ1_MOUSE	Histone-lysine N-methyltransferase MLL;	ALL-1;Zinc finger protein HRX;
RLRLQKRGTG	GVDTAAVGAVFDISNADR	N-ter +28.03 Da	64.1	53.5	3	1804.99	0.21	0.01	KCRM_MOUSE		Creatine kinase M-type;	Creatine kinase M chain;M-CK;
LDHGRTLREQ	GVEEHETLLLR	N-ter +34.06 Da	36.3	55.6	3	1328.83	1.08	0.06	TLN1_MOUSE	A2AIM2_MOUSE	Talin-1;	
EYVSPNSEDV	GVEGPKGDPGPQGPR	N-ter +28.03 Da, K +28.03 Da	36.7	69.1	3	1502.89	0.77	0.25	CO1A1_MOUSE	F8WGB7_MOUSE	Collagen alpha-1(I) chain;	Alpha-1 type I collagen;
M	GVEIETISPGDGR	N-ter +28.03 Da	41.6	37.9	2	1356.74	-0.27	0.01	FKB1B_MOUSE		Peptidyl-prolyl cis-trans isomerase FKBP1B;	12.6 kDa FK506-binding protein;FK506-binding protein 1B;Immunophilin FKBP12.6;Rotamase;
ADCAVLIVAA	GVGEFEAGISKNGQTR	N-ter +28.03 Da, K +28.03 Da	37.0	68.0	3	1705.00	1.13	0.10	EF1A1_MOUSE	EF1A2_MOUSE	Elongation factor 1-alpha 1;	Elongation factor Tu;Eukaryotic elongation factor 1 A-1;
PSIVGRPRHQ	GVMVGMGQKDSYVGDEAQSKR	N-ter +28.03 Da, K +28.03 Da	38.6	60.1	4	2325.29	-0.20	0.02	ACTA_MOUSE	ACTB_MOUSE	Actin, aortic smooth muscle;	Alpha-actin-2;
M	GVQPPNFSWVLPGR	N-ter +28.03 Da	37.0	46.8	3	1580.92	0.10	0.01	DUS23_MOUSE		Dual specificity protein phosphatase 23;	Low molecular mass dual specificity phosphatase 3;
AQKEAEKVAH	GVQTGVNQAGKETQR	N-ter +28.03 Da, K +28.03 Da	28.7	75.5	3	1627.99	1.20	0.12	SBSN_MOUSE	E9QPB2_MOUSE	Suprabasin;	
M	GVQVETISPGDGR	N-ter +28.03 Da	52.9	35.1	2	1341.74	1.27	0.07	FKB1A_MOUSE	Q1JUQ8_MOUSE	Peptidyl-prolyl cis-trans isomerase FKBP1A;	12 kDa FK506-binding protein;FK506-binding protein 1A;Immunophilin FKBP12;Rotamase;
LTLPRAARGF	GVQVSPSGEKITHTGQVYDEKDYR	N-ter +34.06 Da, K +34.06 Da	24.5	73.7	4	2794.71	-0.86	0.14	NDUS6_MOUSE	D3YW32_MOUSE	NADH dehydrogenase [ubiquinone] iron-sulfur protein 6, mitochondrial;	Complex I-13kD-A;NADH-ubiquinone oxidoreductase 13 kDa-A subunit;
ARGAQVRGNA	GVSDGSEVAKAQKAAPGGASPTIFSR	N-ter +28.03 Da, K +28.03 Da	36.0	68.5	4	2571.54	0.21	0.03	HINT2_MOUSE		Histidine triad nucleotide-binding protein 2, mitochondrial;	HINT-3;
WQEGDKVIRP	GVSQAGEEMEQFGQGVR	N-ter +34.06 Da	50.3	42.1	3	1841.96	0.01	0.00	SBSN_MOUSE	E9QPB2_MOUSE	Suprabasin;	
GNFAAQYSDK	GVSSGPGPMGLMGPR	N-ter +28.03 Da	66.2	49.1	3	1426.78	0.38	0.02	CO1A2_MOUSE	E0CXI2_MOUSE	Collagen alpha-2(I) chain;	Alpha-2 type I collagen;
SAPPKLASLK	GVVPEDAVETLAGSLGTR	N-ter +34.06 Da	60.6	51.9	3	1804.07	-0.18	0.03	ICAL_MOUSE	Q921U7_MOUSE	Calpastatin;	Calpain inhibitor;
GGNFASQMSY	GYDEKSAGVSVPGPMGPSGPR	N-ter +28.03 Da, K +28.03 Da	38.1	45.6	3	2100.13	0.42	0.01	CO1A1_MOUSE	F8WGB7_MOUSE	Collagen alpha-1(I) chain;	Alpha-1 type I collagen;
QAISNNKDQG	GYEDFVEGLR	N-ter +28.03 Da	34.3	47.9	2	1211.64	0.21	0.02	MYL1_MOUSE	E9PWG4_MOUSE	Myosin light chain 1/3, skeletal muscle isoform;	Myosin light chain alkali 1/2;
AFRVFDKDGN	GYISAAELR	N-ter +34.06 Da	31.1	15.3	2	1012.59	0.50	0.03	CALM_MOUSE	Q3UKW2_MOUSE	Calmodulin;	
QQQQMTSSYG	GYKEPAAPVSIQR	N-ter +34.06 Da, K +34.06 Da	37.8	65.7	3	1482.98	-0.03	0.00	LASP1_MOUSE	A2A6H0_MOUSE	LIM and SH3 domain protein 1;	Metastatic lymph node gene 50 protein;
TQCARIVEKY	GYTHLSAGELLR	N-ter +34.06 Da	30.1	35.7	3	1349.80	-0.74	0.04	KCY_MOUSE		UMP-CMP kinase;	Cytidine monophosphate kinase;Cytidylate kinase;Deoxycytidylate kinase;Uridine monophosphate kinase;Uridine monophosphate/cytidine monophosphate kinase;
TQCEKIVQKY	GYTHLSTGDLLR	N-ter +28.03 Da	41.9	66.2	3	1359.80	-1.84	0.20	KAD1_MOUSE		Adenylate kinase isoenzyme 1;	ATP-AMP transphosphorylase 1;Myokinase;
GHPFMWNEHL	GYVLTCPSNLGTGLR	N-ter +28.03 Da, C +57.02 Da	39.2	40.8	3	1634.91	0.29	0.02	KCRM_MOUSE		Creatine kinase M-type;	Creatine kinase M chain;M-CK;
SDHRTYHDLR	HAFSPVASVESASGETLHSPK	N-ter +34.06 Da, K +34.06 Da	58.6	81.9	4	2205.35	-1.52	0.22	FETUA_MOUSE		Alpha-2-HS-glycoprotein;	Countertrypin;Fetuin-A;
GIVEGLMTTV	HAITATQKTVDGPSGKLWR	N-ter +28.03 Da, K +28.03 Da	21.0	77.2	4	2149.37	-1.09	0.12	G3P_MOUSE	F8WJL5_MOUSE	Glyceraldehyde-3-phosphate dehydrogenase;	Peptidyl-cysteine S-nitrosylase GAPDH;
MGHM	HAPGKGLSQSALPYR	N-ter +34.06 Da, K +34.06 Da	26.1	64.5	3	1649.08	-0.43	0.01	RS13_MOUSE	Q921R2_MOUSE	40S ribosomal protein S13;	
RPRSRTLTAV	HDAILEDLVFPSEIVGKR	N-ter +28.03 Da, K +28.03 Da	32.7	80.4	4	2093.32	-0.40	0.06	RS7_MOUSE	F6SVV1_MOUSE	40S ribosomal protein S7;	
GPHGGYHSHY	HDEGYGPPPPHYEGR	N-ter +28.03 Da	37.2	92.2	4	1734.94	1.98	0.16	HNRPL_MOUSE	E9Q8W8_MOUSE	Heterogeneous nuclear ribonucleoprotein L;	
QICPNNLVAF	HDFSSDLENVPHLR	N-ter +28.03 Da	41.2	104.2	4	1693.00	-1.09	0.12	PRELP_MOUSE		Prolargin;	Proline-arginine-rich end leucine-rich repeat protein;
LLGTLPARAA	HEDPVEKVIEGFSR	N-ter +28.03 Da, K +28.03 Da	36.9	41.7	4	1696.95	0.50	0.01	SBSN_MOUSE	E9QPB2_MOUSE	Suprabasin;	
YWKTLGISPF	HEFADVVFTANDSGHR	N-ter +34.06 Da	49.9	49.8	3	1834.97	-1.94	0.30	TTHY_MOUSE		Transthyretin;	Prealbumin;
PTDKHKTDLN	HENLKGGDDLDPNYVLSSR	N-ter +28.03 Da, K +28.03 Da	27.4	53.5	4	2184.20	0.49	0.01	KCRM_MOUSE		Creatine kinase M-type;	Creatine kinase M chain;M-CK;
LIGALGCAIC	HGNPVDDICIAKPR	N-ter +28.03 Da, K +28.03 Da, C +57.02 Da	46.1	70.2	3	1646.97	0.45	0.05	ANT3_MOUSE		Antithrombin-III;	Serpin C1;
ENLATAFTIL	HHPEFTPDQPTER	N-ter +28.03 Da	33.1	86.1	3	1617.89	-0.12	0.02	TXLNB_MOUSE		Beta-taxilin;	Muscle-derived protein 77;
PVRLTFPLDY	HLNQPFLFVLR	N-ter +28.03 Da	21.8	48.9	3	1410.88	3.21	0.06	PEDF_MOUSE		Pigment epithelium-derived factor;	Caspin;Serpin F1;Stromal cell-derived factor 3;
SMSSGLEFVS	HNPPSEAAAPPVAR	N-ter +28.03 Da	25.7	46.1	3	1440.81	0.31	0.01	ATX2_MOUSE	E9QQ60_MOUSE	Ataxin-2;	Spinocerebellar ataxia type 2 protein homolog;
HIPTSAPVYQ	HPVVSYKVTSPGLR	N-ter +28.03 Da, K +28.03 Da	22.9	70.8	3	1595.03	2.69	0.28	E9Q476_MOUSE			
VFPSIVGRPR	HQGVMVGMGQKDSYVGDEAQSK	N-ter +34.06 Da, K +34.06 Da	63.5	62.9	4	2452.41	-4.06	0.00	ACTS_MOUSE	ACTA_MOUSE	Actin, alpha skeletal muscle;	Alpha-actin-1;
PSPLAVPRRA	HSILPVDDDINGLNEEQKQLR	N-ter +34.06 Da, K +34.06 Da	58.7	66.3	4	2500.52	0.71	0.08	IVD_MOUSE		Isovaleryl-CoA dehydrogenase, mitochondrial;	
QAQQAMDVQL MPAY	HSPAFQFPDVDFLR HSSLMDPDTKLIGNMALLPLR	N-ter +28.03 Da N-ter +28.03 Da, K +28.03 Da	37.1 23.9	67.6 81.9	3 4	1702.96 2377.48	-1.40 0.39	0.22 0.04	CLUS_MOUSE ARPC3_MOUSE		Clusterin; Actin-related protein 2/3 complex subunit 3;	Apolipoprotein J;Clustrin;Sulfated glycoprotein 2; Arp2/3 complex 21 kDa subunit;

Non Prime Site	Prime Site	Modifications	Hyperscore	Mass error in ppm	Charge	Precursor neutral mass in Da	Fold change (log_2) of ASAPRatio	FC-error of ASAPRatio	Uniprot ID 1	Uniprot ID 2	Protein Name 1	Protein Name 2
LLLCMPFGKS	HTEEDFIITTKTGR	N-ter +28.03 Da, K +28.03 Da	23.7	92.8	4	1703.05	0.10	0.01	CHLE_MOUSE		Cholinesterase;	Acylcholine acylhydrolase;Butyrylcholine esterase;Choline esterase II;Pseudocholinesterase;
MVKKTAKQTG	HTLLEDYQIVERPQR	N-ter +34.06 Da	40.1	89.4	4	1930.22	-0.27	0.02	SPG20_MOUSE		Spartin;	
HRSGETEDTF	IADLVVGLCTGQIKTGAPCR	N-ter +28.03 Da, K +28.03 Da, C +57.02 Da	51.5	79.1	4	2184.35	0.30	0.04	ENOB_MOUSE	ENOA_MOUSE	Beta-enolase;	2-phospho-D-glycerate hydro-lyase;Enolase 3;Muscle-specific enolase;Skeletal muscle enolase;
SAAAAAAASR	IAIPGLAGAGNSVLLVSNLNPER	N-ter +34.06 Da	58.4	38.4	3	2308.42	-1.84	0.33	PTBP1_MOUSE	Q922I7_MOUSE	Polypyrimidine tract-binding protein 1;	Heterogeneous nuclear ribonucleoprotein I;
YSKYREPEKY	IALDGDSLSTEDLVNLGKGR	N-ter +34.06 Da, K +34.06 Da	42.5	57.7	3	2140.32	0.49	0.05	HUTH_MOUSE	F8WH73_MOUSE	Histidine ammonia-lyase;	
TKTDQVIQFF	IALVNDPQPEHPLR	N-ter +34.06 Da	38.8	65.7	3	1632.03	-1.00	0.08	UB2L3_MOUSE		Ubiquitin-conjugating enzyme E2 L3;	UbcM4;Ubiquitin carrier protein L3;Ubiquitin-protein ligase L3;
LPLTEAELAL	IATPPEDSDMASLQQQR	N-ter +28.03 Da	46.2	47.3	3	1914.01	0.39	0.01	PLIN3_MOUSE		Perilipin-3;	Cargo selection protein TIP47;Mannose-6-phosphate receptor-binding protein 1;
SMTEAEQQQL	IDDHFLFDKPVSPLLLASGMAR	N-ter +28.03 Da, K +28.03 Da	23.0	84.9	4	2497.55	-0.14	0.02	KCRM_MOUSE	KCRB_MOUSE	Creatine kinase M-type;	Creatine kinase M chain;M-CK;
EDDFRRVVDF	IDEGVNIGLEVKR	N-ter +28.03 Da, K +28.03 Da	28.9	54.7	3	1496.94	0.23	0.01	Q9CZN7_MOUSE		Serine hydroxymethyltransferase;	
AEKNAPAIIF	IDELDAIAPKR	N-ter +34.06 Da, K +34.06 Da	31.3	60.5	3	1307.89	-0.79	0.07	TERA_MOUSE		Transitional endoplasmic reticulum ATPase;	15S Mg(2+)-ATPase p97 subunit;Valosin-containing protein;
EPVIKKYTKI	IDGVPVEITEKQTR	N-ter +34.06 Da, K +34.06 Da	23.6	40.9	3	1652.05	0.43	0.04	POSTN_MOUSE	F7C9H0_MOUSE	Periostin;	Osteoblast-specific factor 2;
IDRVPFLNSY	IDGVTMEEATVSGILGKR	N-ter +28.03 Da, K +28.03 Da	22.4	76.1	3	1931.19	0.54	0.11	ZCCHV_MOUSE	D3Z5I1_MOUSE	Zinc finger CCCH-type antiviral protein 1;	
PDKPSPNMFY	IDPEKGDIVTVVSPALLDR	N-ter +34.06 Da, K +34.06 Da	45.8	53.9	3	2104.36	-1.15	0.10	CAD13_MOUSE		Cadherin-13;	Heart cadherin;Truncated cadherin;
SNCWQPVIDY	IDSKFEDYLNAESR	N-ter +34.06 Da, K +34.06 Da	30.0	65.2	3	1754.03	-2.18	0.20	E9Q9F5_MOUSE	SEPT7_MOUSE		
EAPVGVETDL	IDVGFTDDVKKGGPGR	N-ter +34.06 Da, K +34.06 Da	23.3	75.3	4	1762.18	0.65	0.07	IST1_MOUSE	Q8BHC2_MOUSE	IST1 homolog;	
THSDASKKRL	IEDTEDWRPR	N-ter +34.06 Da	19.8	52.9	3	1349.75	1.49	0.09	PDLI5_MOUSE	Q9CRA2_MOUSE	PDZ and LIM domain protein 5;	Enigma homolog;Enigma-like PDZ and LIM domains protein;
FVPNDGCLNF	IEENDEVLVAGFGR	N-ter +34.06 Da	35.7	34.3	3	1580.88	0.21	0.02	RS23_MOUSE	Q9CZI5_MOUSE	40S ribosomal protein S23;	
QLEAAKPEPV	IEEVDLANLAPR	N-ter +34.06 Da	39.8	43.2	3	1372.84	0.54	0.03	CCD12_MOUSE		Coiled-coil domain-containing protein 12;	
NKLDKDNLSY	IEHIFEISR	N-ter +34.06 Da	30.4	53.6	3	1176.73	-0.01	0.00	PEA15_MOUSE	D3Z375_MOUSE	Astrocytic phosphoprotein PEA-15;	15 kDa phosphoprotein enriched in astrocytes;
LKQLDEKLGI	IEKQPSPEELR	N-ter +34.06 Da, K +34.06 Da	23.4	53.9	3	1392.90	1.01	0.05	PRC2C_MOUSE	E9QKG5_MOUSE	Protein PRRC2C;	BAT2 domain-containing protein 1;HLA-B-associated transcript 2-like 2;Proline-rich and coiled-coil-containing protein 2C;
MSSLKSVNGQ	IESLISPDGSR	N-ter +28.03 Da	26.8	37.4	2	1200.68	1.37	0.05	CO3A1_MOUSE	Q5DTG2_MOUSE	Collagen alpha-1(III) chain;	
EGNKEQIQKI	IETLSQQLQAKGKELNEFR	N-ter +34.06 Da, K +34.06 Da	22.4	59.9	4	2333.52	-0.11	0.01	PFD2_MOUSE		Prefoldin subunit 2;	
LANFNNYQFF	IGENMNPDGMVALLDYR	N-ter +34.06 Da	52.9	57.8	3	1941.07	-1.22	0.20	TCTP_MOUSE	D3YU75_MOUSE	Translationally-controlled tumor protein;	21 kDa polypeptide;p21;p23;
KSNIKAAWGK	IGGHGAEYGAEALER	N-ter +34.06 Da	47.7	49.5	3	1562.87	-1.84	0.13	HBA_MOUSE	Q91VB8_MOUSE	Hemoglobin subunit alpha;	Alpha-globin;Hemoglobin alpha chain;
MENSQLCKLF	IGGLNVQTSESGLR	N-ter +34.06 Da	31.3	51.9	3	1463.89	-0.12	0.00	Q9CX86_MOUSE			
PRGLKMSTTF	IGNSTAIQELFKR	N-ter +34.06 Da, K +34.06 Da	19.7	64.9	3	1544.04	-0.92	0.07	TBB2A_MOUSE	TBB2B_MOUSE	Tubulin beta-2A chain;	
VPRKCSASNR	IIAAKDHASIQMNVAEVDR	N-ter +34.06 Da, K +34.06 Da	40.2	67.9	4	2148.35	-0.84	0.08	RS21_MOUSE		40S ribosomal protein S21;	
PKHPVDQVQR	IIGGSMDAKGSFPWQAK	N-ter +28.03 Da, K +28.03 Da	19.0	68.8	3	1876.12	-0.86	0.14	HPT_MOUSE		Haptoglobin;	
MSFSKDWSFY	ILAHTEFTPTETDTYACR	N-ter +34.06 Da, C +57.02 Da	48.3	70.4	3	2159.19	-1.84	0.33	B2MG_MOUSE	Q91XJ8_MOUSE	Beta-2-microglobulin;	
SSNLQSRSFR	ILAQMTGTEYMQDPDEEALRR	N-ter +34.06 Da	40.2	73.3	4	2500.40	-1.06	0.13	LDB3_MOUSE	E9PYJ9_MOUSE	LIM domain-binding protein 3;	Protein cypher;Protein oracle;Z-band alternatively spliced PDZ-motif protein;
AAVCAQPRGR	ILGGQEAAAHAR	N-ter +34.06 Da	42.3	76.4	3	1226.79	0.04	0.01	CFAD_MOUSE		Complement factor D;	28 kDa adipocyte protein;Adipsin;C3 convertase activator;Properdin factor D;
APMTDEIQQQ	ILNLPESWDWR	N-ter +28.03 Da	33.7	50.7	3	1455.82	0.52	0.09	CATC_MOUSE	D3Z220_MOUSE	Dipeptidyl peptidase 1;	Cathepsin C;Cathepsin J;Dipeptidyl peptidase I;Dipeptidyl transferase;
SVPDSSGPER	ILSISADIETIGEILK	N-ter +28.03 Da, K +28.03 Da	33.7	54.2	4	1770.13	7.06	0.70	HNRPK_MOUSE	E9Q8D6_MOUSE	Heterogeneous nuclear ribonucleoprotein K;	
FTVNRPFLFF	IMEDTIGVPLFVGSVR	N-ter +34.06 Da	45.1	43.0	3	1766.06	-0.43	0.05	A2AP_MOUSE		Alpha-2-antiplasmin;	Alpha-2-plasmin inhibitor;Serpin F2;
LISEDVQRRF	IQEVVQSQQAAVSR	N-ter +34.06 Da	31.6	23.1	3	1575.92	1.05	0.07	ARHG1_MOUSE	E9PUF7_MOUSE	Rho guanine nucleotide exchange factor 1;	Lbc's second cousin;Lymphoid blast crisis-like 2;
VLVSLTGLYA	IQKTPQIQVYSR	N-ter +28.03 Da, K +28.03 Da	29.3	24.8	3	1515.92	0.78	0.06	B2MG_MOUSE	Q91XJ8_MOUSE	Beta-2-microglobulin;	
D	IQMTQTPSSLSASLGDR	N-ter +34.06 Da	31.9	28.3	3	1940.03	-3.84	0.00	KV5AF_MOUSE	KV5AG_MOUSE	Ig kappa chain V-V region HP 91A3;	
D	IQMTQTTSSLSASLGDR	N-ter +28.03 Da	50.3	55.4	3	1938.04	1.23	0.02	KV5AA_MOUSE	KV5AB_MOUSE	Ig kappa chain V-V region MOPC 173;	
KPHSEAGTAF	IQTQQLHAAMADTFLEHMCR	N-ter +34.06 Da, C +57.02 Da	45.2	83.6	4	2434.38	-3.32	0.66	KPYM_MOUSE		Pyruvate kinase isozymes M1/M2;	Pyruvate kinase muscle isozyme;
IGEEAPQMNY	IQVTPQEKEAIER	N-ter +28.03 Da, K +28.03 Da	19.9	51.2	3	1595.97	0.30	0.02	RD23A_MOUSE	RD23B_MOUSE	UV excision repair protein RAD23 homolog A;	
LRTEEEFKKF	ISDKDASVVGFFR	N-ter +28.03 Da, K +28.03 Da	16.4	81.5	3	1495.93	-1.69	0.16	PDIA3_MOUSE		Protein disulfide-isomerase A3;	58 kDa glucose-regulated protein;58 kDa microsomal protein;Disulfide isomerase ER-60;Endoplasmic reticulum resident protein 57;Endoplasmic reticulum resident protein 60;
LLLGPSSVLG	ISFHLPVNSR	N-ter +28.03 Da	30.3	61.8	3	1196.74	0.10	0.01	TMEDA_MOUSE		Transmembrane emp24 domain-containing protein 10;	21 kDa transmembrane-trafficking protein;Transmembrane protein Tmp21;p24 family protein delta-1;
ASLSTFQQMW	ISKQEYDESGPSIVHR	N-ter +34.06 Da, K +34.06 Da	36.2	84.1	4	1912.19	0.04	0.00	ACTB_MOUSE	ACTG_MOUSE	Actin, cytoplasmic 1;	Beta-actin;
SNKEIFLREL	ISNASDALDKIR	N-ter +34.06 Da, K +34.06 Da	28.2	45.5	3	1369.88	0.47	0.03	ENPL_MOUSE	HS90B_MOUSE	Endoplasmin;	94 kDa glucose-regulated protein;Endoplasmic reticulum resident protein 99;Heat shock protein 90 kDa beta member 1;Polymorphic tumor rejection antigen 1;Tumor rejection antigen gp96;
FEQFLPMMQA	ISNNKDQGGYEDFVEGLR	N-ter +34.06 Da, K +34.06 Da	17.7	73.4	3	2108.24	0.14	0.02	E9PWG4_MOUSE	MYL1_MOUSE		

Non Prime Site	Prime Site	Modifications	Hyperscore	Mass error in ppm	Charge	Precursor neutral mass in Da	Fold change (log_2) of ASAPRatio	FC-error of ASAPRatio	Uniprot ID 1	Uniprot ID 2	Protein Name 1	Protein Name 2
GHAGKTIIPL	ISQCTPKVDFPQDQLATLTGR	N-ter +34.06 Da, K +34.06 Da, C +57.02 Da	45.5	76.5	4	2442.51	-1.40	0.07	MDHM_MOUSE		Malate dehydrogenase, mitochondrial;	
LAAHVAPRRS	ISSQQTIPPSAKYGGR	N-ter +34.06 Da, K +34.06 Da	24.8	71.8	3	1757.14	-0.23	0.01	IDHG1_MOUSE		Isocitrate dehydrogenase [NAD] subunit gamma 1, mitochondrial;	Isocitric dehydrogenase subunit gamma;NAD(+)-specific ICDH subunit gamma;
GSSSSSSNFH	ISVEESVDGKVVSSR	N-ter +34.06 Da, K +34.06 Da	24.4	59.5	3	1658.05	0.87	0.06	K1C15_MOUSE	B1AQ77_MOUSE	Keratin, type I cytoskeletal 15;	Cytokeratin-15;Keratin-15;
IALNDNFVKL	ISWYDNEYGYSNR	N-ter +28.03 Da	37.1	30.1	2	1693.79	-1.56	0.14	G3P_MOUSE	F8WJL5_MOUSE	Glyceraldehyde-3-phosphate dehydrogenase;	Peptidyl-cysteine S-nitrosylase GAPDH;
ASLSTFQQMW	ITKQEYDEAGPSIVHR	N-ter +28.03 Da, K +28.03 Da	35.7	82.9	4	1898.15	0.83	0.05	ACTS_MOUSE		Actin, alpha skeletal muscle;	Alpha-actin-1;
DAVTTRQVRT	IVEEVQDGKVISSR	N-ter +34.06 Da, K +34.06 Da	18.7	66.7	3	1626.07	0.25	0.02	K1C17_MOUSE	D3YXP7_MOUSE	Keratin, type I cytoskeletal 17;	Cytokeratin-17;Keratin-17;
SLYASGRTTG	IVLDSGDGVTHNVPIYEGYALPHAIMR	N-ter +28.03 Da	53.9	95.1	4	2964.80	-2.32	0.35	ACTA_MOUSE	ACTC_MOUSE	Actin, aortic smooth muscle;	Alpha-actin-2;
LLWVPGSTGD	IVLTQSPASLAVSLGQR	N-ter +34.06 Da	58.9	46.3	3	1888.17	0.50	0.10	KV3A1_MOUSE	KV3A2_MOUSE	Ig kappa chain V-III region PC 2880/PC 1229;	
RYASICQQNG	IVPIVEPEILPDGDHDLKR	N-ter +34.06 Da, K +34.06 Da	35.4	77.1	4	2222.47	1.01	0.07	ALDOA_MOUSE	ALDOC_MOUSE	Fructose-bisphosphate aldolase A;	Aldolase 1;Muscle-type aldolase;
GSGKGTQCEK	IVQKYGYTHLSTGDLLR	N-ter +34.06 Da, K +34.06 Da	30.2	80.2	4	2031.34	-1.06	0.09	KAD1_MOUSE		Adenylate kinase isoenzyme 1;	ATP-AMP transphosphorylase 1;Myokinase;
LTAASEAACL	IVSVDETIKNPR	N-ter +28.03 Da, K +28.03 Da	20.0	37.2	3	1425.87	1.14	0.09	TCPH_MOUSE		T-complex protein 1 subunit eta;	CCT-eta;
LKHVTEDCVF	IYCQVGDKPYWKDPNNDFR	N-ter +34.06 Da, K +34.06 Da, C +57.02 Da	19.3	66.7	4	2516.47	-1.52	0.22	TXD17_MOUSE		Thioredoxin domain-containing protein 17;	14 kDa thioredoxin-related protein;Protein 42-9-9;Thioredoxin-like protein 5;
GVNIGGAGSY	IYEKPQTEAPQVTGPIEVPVVR	N-ter +28.03 Da, K +28.03 Da	52.1	73.0	4	2505.57	0.21	0.02	CRIP2_MOUSE		Cysteine-rich protein 2;	Heart LIM protein;
VTHGQVGVGK	KAEAVATVVAAVDQAR	N-ter +34.06 Da, K +34.06 Da	37.0	46.5	3	1666.08	-0.23	0.03	TITIN_MOUSE	E9Q8M7_MOUSE	Titin;	Connectin;
KRKFVADGIF	KAELNEFLTR	N-ter +34.06 Da, K +34.06 Da	29.2	22.5	3	1287.81	-0.32	0.01	RS3_MOUSE	D3YV43_MOUSE	40S ribosomal protein S3;	
KIREGEVEVL	KATEMVEVGPEDDEVGAER	N-ter +28.03 Da, K +28.03 Da	58.7	64.0	3	2116.14	-0.84	0.12	PTRF_MOUSE		Polymerase I and transcript release factor;	Cav-p60;Cavin-1;
YVNKKFSNQY	KATIGADFLTKEVMVDDR	N-ter +28.03 Da, K +28.03 Da	47.5	69.6	4	2092.27	0.99	0.09	RAB7A_MOUSE		Ras-related protein Rab-7a;	
KKLSVSQVVH	KAVLDVAETGTEAAAATGVIGGIR	N-ter +34.06 Da, K +34.06 Da	51.0	68.3	4	2337.51	-0.38	0.03	SPA3K_MOUSE		Serine protease inhibitor A3K;	Contrapsin;SPI-2;
PKSQETPAAK	KAVQGGAAAPVVGAVQPVPGMPPMPQAPR	N-ter +34.06 Da, K +34.06 Da	48.0	58.4	4	2845.78	0.52	0.02	SNRPA_MOUSE	D3Z0S6_MOUSE	U1 small nuclear ribonucleoprotein A;	
SGLAWQDCDF	KDAEEAATGECTATVGKR	N-ter +34.06 Da, K +34.06 Da, C +57.02 Da	29.0	83.9	4	1995.25	-3.32	0.00	KNG1_MOUSE	D3Z2B2_MOUSE	Kininogen-1;	
APPWKDSKKF	KDAPDGPTVVLTVDGR	N-ter +28.03 Da, K +28.03 Da	31.4	65.1	3	1695.03	-6.64	0.00	FA12_MOUSE	F6WLH2_MOUSE	Coagulation factor XII;	Hageman factor;
YKNSKFHRVI	KDFMIQGGDFTR	N-ter +28.03 Da, K +28.03 Da	31.7	48.5	3	1469.81	1.72	0.13	PPIB_MOUSE		Peptidyl-prolyl cis-trans isomerase B;	CYP-S1;Cyclophilin B;Rotamase B;S-cyclophilin;
CSASNRIIAA	KDHASIQMNVAEVDR	N-ter +28.03 Da, K +28.03 Da	39.9	61.2	3	1768.00	0.29	0.03	RS21_MOUSE		40S ribosomal protein S21;	
IATDKEEIAF	KDLDVAVLVGSMPR	N-ter +34.06 Da, K +34.06 Da	37.2	57.2	3	1567.03	-1.56	0.09	MDHC_MOUSE	B1ATQ3_MOUSE	Malate dehydrogenase, cytoplasmic;	Cytosolic malate dehydrogenase;
AGDEESYDVF	KDLFDPIIEER	N-ter +28.03 Da, K +28.03 Da	31.3	77.5	3	1429.89	-0.12	0.01	KCRB_MOUSE		Creatine kinase B-type;	B-CK;Creatine kinase B chain;
AGDEESYTVF	KDLFDPIIQDR	N-ter +34.06 Da, K +34.06 Da	31.4	87.1	3	1426.97	-0.45	0.02	KCRM_MOUSE		Creatine kinase M-type;	Creatine kinase M chain;M-CK;
LPMMQAISNN	KDQGGYEDFVEGLR	N-ter +34.06 Da, K +34.06 Da	25.4	39.6	3	1679.95	0.56	0.01	MYL1_MOUSE	E9PWG4_MOUSE	Myosin light chain 1/3, skeletal muscle isoform;	Myosin light chain alkali 1/2;
EDVQETDTSQ	KDQSPASHEIATNLGDFAISLYR	N-ter +28.03 Da, K +28.03 Da	43.1	99.7	4	2588.58	-5.64	0.00	A1AT2_MOUSE	A1AT1_MOUSE	Alpha-1-antitrypsin 1-2;	Alpha-1 protease inhibitor 2;Alpha-1-antiproteinase;Serine protease inhibitor 1-2;Serine protease inhibitor A1b;
MPGVTV	KDVNQQEFVR	N-ter +28.03 Da, K +28.03 Da	27.1	76.7	3	1317.81	1.18	0.02	RS19_MOUSE	F6Q5Z8_MOUSE	40S ribosomal protein S19;	
MFDQTQIQEF	KEAFTVIDQNR	N-ter +28.03 Da, K +28.03 Da	35.6	60.5	3	1375.83	0.23	0.00	MLRS_MOUSE	F6ULR7_MOUSE	Myosin regulatory light chain 2, skeletal muscle isoform;	Fast skeletal myosin light chain 2;MLC2F;
TQDHISSVKY	KEAIGQGTPIPDLPEVKR	N-ter +34.06 Da, K +34.06 Da	34.8	51.3	4	2049.37	1.39	0.12	A2AQB2_MOUSE	A2AQA9_MOUSE		
KLATDLTKVN	KECCHGDLLECADDR	N-ter +28.03 Da, K +28.03 Da, C +57.02 Da	32.6	103.3	4	1933.01	0.08	0.01	ALBU_MOUSE		Serum albumin;	
EKSKLDWESF	KEEEGIGEELAIHNR	N-ter +34.06 Da, K +34.06 Da	25.9	80.3	4	1791.12	0.39	0.04	CFDP1_MOUSE		Craniofacial development protein 1;	27 kDa craniofacial protein;Bucentaur;Protein Cp27;
AGDNSTLLSF	KEGDLITLLVPEAR	N-ter +28.03 Da, K +28.03 Da	40.3	81.5	3	1609.08	-0.01	0.00	BAIP2_MOUSE	B1AZ46_MOUSE	Brain-specific angiogenesis inhibitor 1-associated protein 2;	Insulin receptor substrate protein of 53 kDa;Insulin receptor tyrosine kinase 53 kDa substrate;
SQQTTLEYGY	KEHISTTKVPEQPR	N-ter +28.03 Da, K +28.03 Da	19.1	99.4	4	1733.16	0.98	0.07	TITIN_MOUSE	E9Q8M7_MOUSE	Titin;	Connectin;
SLARELSGTI	KEILGTAQSVGCNVDGR	N-ter +28.03 Da, K +28.03 Da, C +57.02 Da	52.0	67.5	3	1859.08	0.73	0.09	RL12_MOUSE		60S ribosomal protein L12;	
QQMTSSYGGY	KEPAAPVSIQR	N-ter +28.03 Da, K +28.03 Da	23.7	54.9	3	1250.80	0.42	0.03	LASP1_MOUSE	A2A6H0_MOUSE	LIM and SH3 domain protein 1;	Metastatic lymph node gene 50 protein;
LAAADPAIYF	KEQFLDGDAWTNR	N-ter +28.03 Da, K +28.03 Da	42.7	49.8	3	1634.89	-1.56	0.14	CALR_MOUSE		Calreticulin;	CRP55;Calregulin;Endoplasmic reticulum resident protein 60;HACBP;
DLSAIKIEFS	KEQQEDFKEAFLLFDR	N-ter +28.03 Da, K +28.03 Da	40.0	101.3	4	2126.32	-2.32	0.46	MYL1_MOUSE	E0CZ30_MOUSE	Myosin light chain 1/3, skeletal muscle isoform;	Myosin light chain alkali 1/2;
LEEVTMKQIC	KEVYENYPAYDLTER	N-ter +28.03 Da, K +28.03 Da	34.5	66.9	3	1945.08	0.51	0.06	DEK_MOUSE		Protein DEK;	
M	KFNPFVTSDR	N-ter +34.06 Da, K +34.06 Da	35.4	46.3	3	1408.85	-0.62	0.06	RL26_MOUSE	D3Z3Q9_MOUSE	60S ribosomal protein L26;	Silica-induced gene 20 protein;
FHRCEKAMTA	KGGDVSVCEWYR	N-ter +28.03 Da, K +28.03 Da, C +57.02 Da	30.9	41.2	3	1510.79	0.90	0.05	CX6B1_MOUSE		Cytochrome c oxidase subunit 6B1;	Cytochrome c oxidase subunit VIb isoform 1;
ISMPDVDLHL	KGPNVKGEYDVTVPR	N-ter +34.06 Da, K +34.06 Da	22.8	87.9	4	1760.22	-0.12	0.01	F7BRM2_MOUSE	E9Q616_MOUSE		
MSMN	KGPTLLDGDLPEQENVLQR	N-ter +34.06 Da, K +34.06 Da	47.7	85.2	4	2189.42	0.04	0.01	PLIN1_MOUSE		Perilipin-1;	Lipid droplet-associated protein;Perilipin A;
IPTLEEYQHY	KGSDFDCELR	N-ter +28.03 Da, K +28.03 Da, C +57.02 Da	27.2	80.7	3	1281.71	-0.92	0.12	HNRPK_MOUSE	E9Q8D6_MOUSE	Heterogeneous nuclear ribonucleoprotein K;	
RSAPPKLASL	KGVVPEDAVETLAGSLGTR	N-ter +34.06 Da, K +34.06 Da	57.7	56.9	3	1966.25	0.08	0.01	ICAL_MOUSE	Q921U7_MOUSE	Calpastatin;	Calpain inhibitor;
AAAAAAVYTQ	KHSPQEAPHVQYER	N-ter +28.03 Da, K +28.03 Da	24.2	106.3	4	1761.08	0.85	0.11	CNTFR_MOUSE	Q9D586_MOUSE	Ciliary neurotrophic factor receptor subunit alpha;	
PLRLPLQDVY	KIGGIGTVPVGR	N-ter +34.06 Da, K +34.06 Da	31.6	29.9	3	1220.86	0.73	0.07	EF1A1_MOUSE	EF1A2_MOUSE	Elongation factor 1-alpha 1;	Elongation factor Tu;Eukaryotic elongation factor 1 A-1;
VPNTPPSTPV	KLEEDLPQEPTSR	N-ter +34.06 Da, K +34.06 Da	23.3	69.4	3	1609.01	0.85	0.07	ADDA_MOUSE		Alpha-adducin;	Erythrocyte adducin subunit alpha;

Non Prime Site	Prime Site	Modifications	Hyperscore	Mass error in ppm	Charge	Precursor neutral mass in Da	Fold change (log_2) of ASAPRatio	FC-error of ASAPRatio	Uniprot ID 1	Uniprot ID 2	Protein Name 1	Protein Name 2
SLERQAGQIK	KLEVNEAELLR	N-ter +34.06 Da, K +34.06 Da	36.4	44.7	3	1380.92	-0.81	0.06	PTRF_MOUSE	Q3U4N4_MOUSE	Polymerase I and transcript release factor;	Cav-p60;Cavin-1;
M	KLNFSGLR	N-ter +34.06 Da, K +34.06 Da	31.3	39.6	3	1132.75	0.42	0.04	CBR2_MOUSE		Carbonyl reductase [NADPH] 2;	Adipocyte protein P27;Lung carbonyl reductase;NADPH-dependent carbonyl reductase 2;
M	KLNISFPATGCQKLIEVDDER	N-ter +34.06 Da, K +34.06 Da, C +57.02 Da	40.9	73.5	4	2534.61	-1.00	0.08	RS6_MOUSE	D3Z6N6_MOUSE	40S ribosomal protein S6;	Phosphoprotein NP33;
GPSAGDVEAI	KNAIANASTLAEVER	N-ter +28.03 Da, K +28.03 Da	41.9	46.5	3	1641.98	0.03	0.00	RU2A_MOUSE		U2 small nuclear ribonucleoprotein A';	
NLEEAKKIII	KNDPSLPEPACVKISALEGYR	N-ter +34.06 Da, K +34.06 Da, C +57.02 Da	36.1	73.8	4	2445.56	0.03	0.00	SYNC_MOUSE		Asparagine--tRNA ligase, cytoplasmic;	Asparaginyl-tRNA synthetase;
QLIDDHFLFD	KPVSPLLLASGMAR	N-ter +34.06 Da, K +34.06 Da	42.8	45.2	3	1507.03	0.88	0.02	KCRM_MOUSE	KCRB_MOUSE	Creatine kinase M-type;	Creatine kinase M chain;M-CK;
LDPEGKGTIK	KQFLEELLTTQCDR	N-ter +34.06 Da, K +34.06 Da, C +57.02 Da	38.3	62.4	3	1848.12	-0.92	0.09	MLRS_MOUSE		Myosin regulatory light chain 2, skeletal muscle isoform;	Fast skeletal myosin light chain 2;MLC2F;
DARGIWHNNE	KSFLIWVNEEDHTR	N-ter +34.06 Da, K +34.06 Da	17.5	57.6	4	1841.12	-2.94	0.23	KCRU_MOUSE		Creatine kinase U-type, mitochondrial;	Acidic-type mitochondrial creatine kinase;Ubiquitous mitochondrial creatine kinase;
ELINGYIRKI	KSGEEDFESLASQFSDCSSAKAR	N-ter +34.06 Da, K +34.06 Da, C +57.02 Da	51.2	72.9	4	2637.50	-1.03	0.15	PIN1_MOUSE		Peptidyl-prolyl cis-trans isomerase NIMA-interacting 1;	Peptidyl-prolyl cis-trans isomerase Pin1;
AGLILPGILA	KSIGTLSDPCKDPTR	N-ter +34.06 Da, K +34.06 Da, C +57.02 Da	18.9	84.9	4	1776.18	0.96	0.09	CDSN_MOUSE		Corneodesmosin;	
AQAYKALKDY	KSSLSDISSLLQIEPR	N-ter +28.03 Da, K +28.03 Da	58.1	72.7	3	1828.16	0.77	0.10	TOM34_MOUSE		Mitochondrial import receptor subunit TOM34;	Translocase of outer membrane 34 kDa subunit;
NLHASNTRLQ	KTGTAEMSSILEER	N-ter +28.03 Da, K +28.03 Da	46.8	75.2	3	1606.94	0.74	0.04	ATPA_MOUSE	D6RJ16_MOUSE	ATP synthase subunit alpha, mitochondrial;	
LDMLRDAMLA	KVDSSNGFLIDGYPR	N-ter +34.06 Da, K +34.06 Da	25.0	53.7	3	1735.05	-0.86	0.03	KAD1_MOUSE		Adenylate kinase isoenzyme 1;	ATP-AMP transphosphorylase 1;Myokinase;
EEGPSRKDGN	KVDVVGATQGQAGSCSR	N-ter +28.03 Da, K +28.03 Da, C +57.02 Da	55.1	67.8	3	1775.02	0.96	0.13	IF4B_MOUSE	Q3TDD8_MOUSE	Eukaryotic translation initiation factor 4B;	
PQKASGTTAS	KVPVPAETQEVAVSSR	N-ter +28.03 Da, K +28.03 Da	38.6	60.7	3	1752.08	0.23	0.01	NACAM_MOUSE		Nascent polypeptide-associated complex subunit alpha, muscle-specific form;	Alpha-NAC, muscle-specific form;
NPNRVAQTTK	KVTQLDLDGPKELSR	N-ter +28.03 Da, K +28.03 Da	22.4	65.9	4	1782.14	-0.43	0.04	HAP28_MOUSE		28 kDa heat- and acid-stable phosphoprotein;	PDGF-associated protein;PDGFA-associated protein 1;
FPTPDPHYEK	KYYFPVR	N-ter +28.03 Da, K +28.03 Da	16.5	73.1	2	1027.66	4.55	0.69	H6ST1_MOUSE		Heparan-sulfate 6-O-sulfotransferase 1;	
RQELKARARY	LAEKYEWDVAEAR	N-ter +34.06 Da, K +34.06 Da	28.3	80.7	3	1647.03	-0.45	0.02	EF2_MOUSE		Elongation factor 2;	
FDMTSKFLTA	LAQDGVINEEALSVTELDR	N-ter +28.03 Da	50.0	70.3	3	2099.22	0.31	0.02	PDC6I_MOUSE	B8JJL8_MOUSE	Programmed cell death 6-interacting protein;	ALG-2-interacting protein 1;ALG-2-interacting protein X;E2F1-inducible protein;Eig2;
AVLQVECHPY	LAQNELIAHCHAR	N-ter +34.06 Da, C +57.02 Da	30.0	92.2	4	1565.98	-1.32	0.10	AK1A1_MOUSE	B1AXW3_MOUSE	Alcohol dehydrogenase [NADP+];	Aldehyde reductase;Aldo-keto reductase family 1 member A1;
AGDKVTYVDF	LAYDILDQYR	N-ter +34.06 Da	25.0	32.3	2	1302.74	0.56	0.04	GSTM1_MOUSE	GSTM4_MOUSE	Glutathione S-transferase Mu 1;	GST 1-1;GST class-mu 1;Glutathione S-transferase GT8.7;pmGT10;
DQAGRFHVNL	LCGEEQGADAALHFNPR	N-ter +34.06 Da, C +57.02 Da	79.0	72.1	3	1918.06	1.00	0.13	LEG7_MOUSE	Q9CRB1_MOUSE	Galectin-7;	
VKKYEAQPLD	LDACSQDEGAVISKISEIPNR	N-ter +34.06 Da, K +34.06 Da, C +57.02 Da	28.0	64.6	4	2369.41	-2.25	0.11	TACC1_MOUSE	F8VQ95_MOUSE	Transforming acidic coiled-coil-containing protein 1;	
NRVMMVAKKF	LDAGHKLNFAVASR	N-ter +34.06 Da, K +34.06 Da	23.3	71.0	4	1566.04	-0.76	0.09	PDIA3_MOUSE		Protein disulfide-isomerase A3;	58 kDa glucose-regulated protein;58 kDa microsomal protein;Disulfide isomerase ER-60;Endoplasmic reticulum resident protein 57;Endoplasmic reticulum resident protein 60;
SASGTTLLEA	LDCILPPTRPTDKPLR	N-ter +28.03 Da, K +28.03 Da, C +57.02 Da	20.2	68.1	4	1947.23	0.33	0.01	EF1A1_MOUSE	D3YZ68_MOUSE	Elongation factor 1-alpha 1;	Elongation factor Tu;Eukaryotic elongation factor 1 A-1;
NKIAGSFLPF	LDEDRLEDLGVSSLEER	N-ter +34.06 Da	26.2	64.8	3	2008.15	-0.07	0.01	SAMH1_MOUSE	E9Q0K6_MOUSE	SAM domain and HD domain-containing protein 1;	Interferon-gamma-inducible protein Mg11;
VIKAVVPAKY	LDEDTIYHLQPSGR	N-ter +34.06 Da	34.0	66.0	3	1676.97	-2.94	0.68	METK2_MOUSE	Q6PE05_MOUSE	S-adenosylmethionine synthase isoform type-2;	Methionine adenosyltransferase 2;
TYHCKNSIAY	LDEETGSLNKAVLLQGSNDVELVAEGNSR	N-ter +28.03 Da, K +28.03 Da	39.1	39.1	4	3112.71	6.37	0.41	CO1A2_MOUSE	E9Q6U9_MOUSE	Collagen alpha-2(I) chain;	Alpha-2 type I collagen;
KKLNKLSFLY	LDHNDLESVPPNLPESLR	N-ter +34.06 Da	30.4	66.2	3	2078.22	-0.15	0.01	MIME_MOUSE		Mimecan;	Osteoglycin;
KTNKPSRLPF	LDIAPLDIGGADQEFR	N-ter +34.06 Da	57.7	53.6	3	1763.03	-1.06	0.20	CO1A2_MOUSE	E9Q6U9_MOUSE	Collagen alpha-2(I) chain;	Alpha-2 type I collagen;
MAWNETADLG	LDIGAQGEALGYR	N-ter +34.06 Da	49.2	53.5	3	1395.83	0.71	0.05	CTNB1_MOUSE	F7CRC6_MOUSE	Catenin beta-1;	Beta-catenin;
PLQKERGVKL	LDISELNTVGAGR	N-ter +28.03 Da	20.9	55.0	3	1371.81	1.87	0.09	NELFA_MOUSE		Negative elongation factor A;	Wolf-Hirschhorn syndrome candidate 2 homolog;
KPKGDKQVEY	LDLDLDSGKSTPPR	N-ter +34.06 Da, K +34.06 Da	21.1	64.3	3	1581.01	0.47	0.01	GAB1_MOUSE		GRB2-associated-binding protein 1;	GRB2-associated binder 1;Growth factor receptor bound protein 2-associated protein 1;
QHHDYNTYTF	LDLNLDLSKFR	N-ter +28.03 Da, K +28.03 Da	21.3	82.0	3	1388.92	-0.52	0.07	Q3U422_MOUSE	NDUV3_MOUSE		
PSPGEALIHL	LDLPCTPPPPAPIPSVR	N-ter +34.06 Da, C +57.02 Da	33.6	29.9	3	1860.09	0.01	0.00	AP1G2_MOUSE		AP-1 complex subunit gamma-like 2;	Gamma2-adaptin;
GLPTSLLTLY	LDNNKISNIPDEYFKR	N-ter +34.06 Da, K +34.06 Da	27.7	54.0	3	2067.30	-1.52	0.09	LUM_MOUSE		Lumican;	Keratan sulfate proteoglycan lumican;
LEEKSSSNLG	LDPPALLTTEVDKLER	N-ter +34.06 Da, K +34.06 Da	24.3	63.1	3	1877.23	-0.12	0.01	LMTK2_MOUSE		Serine/threonine-protein kinase LMTK2;	Brain-enriched kinase;Lemur tyrosine kinase 2;
GPTSYPEPSK	LDPTSVTLKPMEIR	N-ter +28.03 Da, K +28.03 Da	28.4	63.0	3	1655.04	0.36	0.04	MA2B1_MOUSE		Lysosomal alpha-mannosidase;	Lysosomal acid alpha-mannosidase;Mannosidase alpha class 2B member 1;Mannosidase alpha-B;
MTPTVIAVHY	LDQTEQWEKFGIEKR	N-ter +34.06 Da, K +34.06 Da	30.7	58.3	4	2008.27	-1.09	0.09	CO3_MOUSE		Complement C3;	HSE-MSF;
SPSAKDIKKI	LDSVGIEADDDR	N-ter +28.03 Da	51.2	37.3	2	1331.67	-1.03	0.06	RLA2_MOUSE		60S acidic ribosomal protein P2;	

Non Prime Site	Prime Site	Modifications	Hyperscore	Mass error in ppm	Charge	Precursor neutral mass in Da	Fold change (log_2) of ASAPRatio	FC-error of ASAPRatio	Uniprot ID 1	Uniprot ID 2	Protein Name 1	Protein Name 2
KTVMDDFAQF	LDTCCKAADKDTCFSTEGPNLVTR	N-ter +28.03 Da, K +28.03 Da, C +57.02 Da	39.8	63.3	4	2842.51	-1.60	0.15	ALBU_MOUSE		Serum albumin;	
NSSSGNPLVY	LDVGADGQPLGR	N-ter +34.06 Da	20.3	21.1	2	1230.70	-0.25	0.01	PPIF_MOUSE		Peptidyl-prolyl cis-trans isomerase F, mitochondrial;	Cyclophilin F;Rotamase F;
TGTGTLLLVL	LDVNDNAPIPEPR	N-ter +34.06 Da	26.4	49.3	3	1482.86	0.95	0.05	CADH1_MOUSE		Cadherin-1;	ARC-1;Epithelial cadherin;Uvomorulin;
RLSEGKFQAF	LDVSHFTPDEVTVR	N-ter +34.06 Da	42.3	65.1	3	1647.98	-0.30	0.03	HSPB2_MOUSE	E9QKE3_MOUSE	Heat shock protein beta-2;	
QHRPSQQYAT	LDVYNPFENR	N-ter +28.03 Da	25.9	47.9	2	1293.70	0.21	0.01	SCAM3_MOUSE	Q3UXS0_MOUSE	Secretory carrier-associated membrane protein 3;	
YERTFMASEF	LDWLVQEGEATTR	N-ter +28.03 Da	36.5	47.6	3	1544.86	-0.25	0.01	DPTOR_MOUSE	B2ZRS5_MOUSE	DEP domain-containing mTOR-interacting protein;	DEP domain-containing protein 6;
HGHHPHGHDF	LDYGPCDPPSNSQELKGQYHR	N-ter +34.06 Da, K +34.06 Da, C +57.02 Da	25.2	64.8	4	2528.40	-0.27	0.02	HRG_MOUSE		Histidine-rich glycoprotein;	Histidine-proline-rich glycoprotein;
FRAMGVPMMG	LDYSDEINQVVEVR	N-ter +34.06 Da	39.0	56.0	3	1711.98	0.00	0.00	A2M_MOUSE	D3YWS2_MOUSE	Alpha-2-macroglobulin;	Pregnancy zone protein;
KDGSASGTTL	LEALDCILPPTRPTDKPLR	N-ter +28.03 Da, K +28.03 Da, C +57.02 Da	24.2	75.6	4	2260.43	0.73	0.02	EF1A1_MOUSE	D3YZ68_MOUSE	Elongation factor 1-alpha 1;	Elongation factor Tu;Eukaryotic elongation factor 1 A-1;
KEGNASGVSL	LEALDTILPPTRPTDKPLR	N-ter +28.03 Da, K +28.03 Da	30.2	64.7	4	2201.42	0.95	0.02	EF1A2_MOUSE	B7ZBW3_MOUSE	Elongation factor 1-alpha 2;	Eukaryotic elongation factor 1 A-2;Statin-S1;
VVLDPMYSTY	LEALGIKEGTIPPEYR	N-ter +34.06 Da, K +34.06 Da	23.3	49.3	3	1853.19	1.06	0.09	ICAL_MOUSE	Q921U7_MOUSE	Calpastatin;	Calpain inhibitor;
KKKQQDVLCF	LEANKIGFEEKDIAANEENR	N-ter +34.06 Da, K +34.06 Da	20.3	74.6	4	2391.49	-0.81	0.09	SH3L1_MOUSE		SH3 domain-binding glutamic acid-rich-like protein;	
VLRPGTALVL	LEAQAATGFIIDPVNNR	N-ter +28.03 Da	32.4	50.9	3	1856.07	0.03	0.00	EPIPL_MOUSE		Epiplakin;	
GPCSLEIKQF	LECAQNQSDVKLCEGFNEVLR	N-ter +34.06 Da, K +34.06 Da, C +57.02 Da	30.0	79.9	4	2576.51	-0.69	0.12	CHCH2_MOUSE	B2RPU8_MOUSE	Coiled-coil-helix-coiled-coil-helix domain-containing protein 2, mitochondrial;	
PLLLCEGAQA	LECYSCVQKADDGCSPHR	N-ter +34.06 Da, K +34.06 Da, C +57.02 Da	56.9	83.1	4	2249.22	0.63	0.10	LYPD3_MOUSE		Ly6/PLAUR domain-containing protein 3;	GPI-anchored metastasis-associated protein C4.4A homolog;
RTLTAVHDAI	LEDLVFPSEIVGKR	N-ter +28.03 Da, K +28.03 Da	42.5	79.3	3	1657.08	0.39	0.07	RS7_MOUSE	F6SVV1_MOUSE	40S ribosomal protein S7;	
HHKVYDLTKF	LEEHPGGEEVLR	N-ter +28.03 Da	33.6	57.9	3	1391.79	-2.18	0.10	CYB5_MOUSE		Cytochrome b5;	
EGKGTIKKQF	LEELLTTQCDR	N-ter +34.06 Da, C +57.02 Da	34.0	24.7	2	1410.76	-0.07	0.00	MLRS_MOUSE		Myosin regulatory light chain 2, skeletal muscle isoform;	Fast skeletal myosin light chain 2;MLC2F;
LAPPEEAALC	LEEVAPPASGTR	N-ter +34.06 Da	25.9	42.9	2	1259.75	-0.15	0.02	SHLB2_MOUSE	A2AWI7_MOUSE	Endophilin-B2;	SH3 domain-containing GRB2-like protein B2;
KSPEERTIEY	LEEVAVNFAKGLADR	N-ter +34.06 Da, K +34.06 Da	31.6	69.4	3	1699.11	-0.49	0.04	ECHA_MOUSE		Trifunctional enzyme subunit alpha, mitochondrial;	TP-alpha;
NDAYGPPSNF	LEIDVSNPQTVGVGR	N-ter +28.03 Da	39.8	48.2	3	1610.94	-0.92	0.09	SNX3_MOUSE	Q78ZM0_MOUSE	Sorting nexin-3;	SDP3 protein;
PKKAPVLKTL	LELIPELR	N-ter +34.06 Da	22.9	35.9	2	1015.69	0.68	0.06	LPPRC_MOUSE		Leucine-rich PPR motif-containing protein, mitochondrial;	130 kDa leucine-rich protein;
EQKKILAKYL	LETSGNLDGLEYKLHDFGYR	N-ter +28.03 Da, K +28.03 Da	28.5	105.0	4	2382.44	-1.52	0.13	NAMPT_MOUSE		Nicotinamide phosphoribosyltransferase;	Pre-B-cell colony-enhancing factor 1 homolog;Visfatin;
ASSLPPPDPW	LETSSSSPAEPAQPGACR	N-ter +34.06 Da, C +57.02 Da	51.6	61.6	3	1878.02	-0.38	0.08	DLGP4_MOUSE	B7ZNS2_MOUSE	Disks large-associated protein 4;	PSD-95/SAP90-binding protein 4;SAP90/PSD-95-associated protein 4;
LWVLGLPAHG	LEVAEDSGHPWR	N-ter +34.06 Da	37.7	60.5	3	1428.81	-0.15	0.01	TXD15_MOUSE		Thioredoxin domain-containing protein 15;	
APGSINGVPL	LEVDLDSFEDKPWR	N-ter +34.06 Da, K +34.06 Da	23.0	93.2	3	1816.14	-1.69	0.33	FIP1_MOUSE	D3Z619_MOUSE	Pre-mRNA 3'-end-processing factor FIP1;	FIP1-like 1 protein;
TFLRKMHHVL	LEVDVLEGTLQCPESGR	N-ter +34.06 Da, C +57.02 Da	37.1	54.8	3	1935.09	-0.30	0.02	TR112_MOUSE		tRNA methyltransferase 112 homolog;	TRM112-like protein;
YVSDAFHKAF	LEVNEEGSEAAASTSVVITGR	N-ter +28.03 Da	59.3	45.8	3	2146.17	0.31	0.02	ANT3_MOUSE		Antithrombin-III;	Serpin C1;
AANCDKSLHT	LFGDKLCAIPNLR	N-ter +34.06 Da, K +34.06 Da, C +57.02 Da	12.7	70.3	3	1584.06	0.03	0.00	ALBU_MOUSE		Serum albumin;	
LLLHLELRRC	LFTMEPSKDKEPSPEQR	N-ter +34.06 Da, K +34.06 Da	9.3	22.5	4	2120.22	-1.74	0.12	FUZZY_MOUSE		Protein fuzzy homolog;	
LPEGTTPEKY	LGAEYMQSVGNMR	N-ter +28.03 Da	37.3	55.1	3	1482.78	-1.79	0.19	TRFE_MOUSE	E9Q035_MOUSE	Serotransferrin;	Beta-1 metal-binding globulin;Siderophilin;
AATPKQGPRM	LGAPEEADANEEGVRR	N-ter +34.06 Da	18.0	77.1	3	1746.01	0.18	0.03	CYTC_MOUSE	A2APX3_MOUSE	Cystatin-C;	Cystatin-3;
AATPKQGPRM	LGAPEEADANEEGVR	N-ter +28.03 Da	40.7	59.4	3	1583.84	0.14	0.01	CYTC_MOUSE	A2APX3_MOUSE	Cystatin-C;	Cystatin-3;
DHHHTHKTDK	LGCPPPPEGKDNSDRPR	N-ter +28.03 Da, K +28.03 Da, C +57.02 Da	21.2	94.9	4	1947.15	-1.52	0.13	HRG_MOUSE		Histidine-rich glycoprotein;	Histidine-proline-rich glycoprotein;
SPASHEIATN	LGDFAISLYR	N-ter +34.06 Da	16.6	37.4	2	1187.72	1.05	0.08	A1AT1_MOUSE	A1AT2_MOUSE	Alpha-1-antitrypsin 1-1;	Alpha-1 protease inhibitor 1;Alpha-1-antiproteinase;Serine protease inhibitor 1-1;Serine protease inhibitor A1a;
TIGRIRFHDF	LGDSWGILFSHPR	N-ter +34.06 Da	20.5	97.2	3	1517.97	-3.64	0.46	PRDX6_MOUSE	Q6GT24_MOUSE	Peroxiredoxin-6;	1-Cys peroxiredoxin;Acidic calcium-independent phospholipase A2;Antioxidant protein 2;Non-selenium glutathione peroxidase;
RPPGGGSNFS	LGFDEPAEQPVR	N-ter +34.06 Da	39.0	22.0	2	1390.76	1.32	0.12	HN1_MOUSE		Hematological and neurological expressed 1 protein;	
QSVCVVHLRN	LGTLDNPSSLDETAYER	N-ter +28.03 Da	42.1	50.3	3	1908.01	0.70	0.04	FRDA_MOUSE	E9Q2P9_MOUSE	Frataxin, mitochondrial;	
EGFTQPVAVF	LGVPFAKPPLGSLR	N-ter +28.03 Da, K +28.03 Da	27.3	66.4	3	1507.03	-1.09	0.07	CES3_MOUSE	EST1_MOUSE	Carboxylesterase 3;	Fatty acid ethyl ester synthase;Triacylglycerol hydrolase;
GIALNDNFVK	LISWYDNEYGYSNR	N-ter +34.06 Da	22.9	61.7	3	1812.96	-6.64	0.00	G3P_MOUSE	F8WJL5_MOUSE	Glyceraldehyde-3-phosphate dehydrogenase;	Peptidyl-cysteine S-nitrosylase GAPDH;
KHKTDLNHEN	LKGGDDLDPNYVLSSR	N-ter +28.03 Da, K +28.03 Da	43.7	63.4	3	1804.05	0.20	0.01	KCRM_MOUSE		Creatine kinase M-type;	Creatine kinase M chain;M-CK;
GCLVLPGYEA	LKGPKEISGFEGDTVSLR	N-ter +28.03 Da, K +28.03 Da	40.9	71.6	4	2016.27	-0.01	0.00	CLM9_MOUSE		CMRF35-like molecule 9;	CD300 antigen-like family member G;Nepmucin;
GKNPAEWAKN	LKQEDFELLCPDGTR	N-ter +28.03 Da, K +28.03 Da, C +57.02 Da	33.8	94.7	3	1876.12	0.07	0.01	TRFE_MOUSE	E9Q035_MOUSE	Serotransferrin;	Beta-1 metal-binding globulin;Siderophilin;

Non Prime Site	Prime Site	Modifications	Hyperscore	Mass error in ppm	Charge	Precursor neutral mass in Da	Fold change (log_2) of ASAPRatio	FC-error of ASAPRatio	Uniprot ID 1	Uniprot ID 2	Protein Name 1	Protein Name 2
PRLSISGEYN	LKTLMSPLGITR	N-ter +34.06 Da, K +34.06 Da	28.1	55.1	3	1396.99	0.50	0.03	A1AT1_MOUSE	A1AT2_MOUSE	Alpha-1-antitrypsin 1-1;	Alpha-1 protease inhibitor 1;Alpha-1-antiproteinase;Serine protease inhibitor 1-1;Serine protease inhibitor A1a;
PDQAGRFHVN	LLCGEEQGADAALHFNPR	N-ter +34.06 Da, C +57.02 Da	60.2	72.6	3	2031.15	-0.32	0.05	LEG7_MOUSE	Q9CRB1_MOUSE	Galectin-7;	
LLKEASRLRS	LLEEEKNNNVALAR	N-ter +34.06 Da, K +34.06 Da	16.8	108.8	4	1680.17	-2.94	0.00	EVPL_MOUSE		Envoplakin;	210 kDa cornified envelope precursor protein;p210;
GWGVVVSCAL	LLEIINIGLSVEIK	N-ter +28.03 Da, K +28.03 Da	9.3	114.3	4	1722.29	4.69	0.63	Q3V494_MOUSE			
TPPCEECIVW	LLLKEPMTVSSDQMAKLR	N-ter +34.06 Da, K +34.06 Da	25.7	40.5	4	2161.39	-1.40	0.07	CAH3_MOUSE		Carbonic anhydrase 3;	Carbonate dehydratase III;Carbonic anhydrase III;
LQGGGLGPLS	LLPPDLPDLEPECR	N-ter +28.03 Da, C +57.02 Da	31.1	45.2	3	1690.94	0.67	0.02	OSTM1_MOUSE		Osteopetrosis-associated transmembrane protein 1;	Grey-lethal protein;
AFRSVPALES	LMLNNNALNAVYQKTVESLPNLR	N-ter +28.03 Da, K +28.03 Da	22.3	70.9	4	2670.64	-0.47	0.02	LRRN1_MOUSE		Leucine-rich repeat neuronal protein 1;	Neuronal leucine-rich repeat protein 1;
KKILAERRKP	LNIDHLSDDKLR	N-ter +34.06 Da, K +34.06 Da	22.8	45.4	4	1505.95	1.05	0.15	TNNT3_MOUSE	A2A6J0_MOUSE	Troponin T, fast skeletal muscle;	Fast skeletal muscle troponin T;
NMQHRYVELF	LNSTAGASGGAYEHR	N-ter +34.06 Da	75.4	75.5	3	1523.87	-1.18	0.22	HNRH1_MOUSE	Q8C2Q7_MOUSE	Heterogeneous nuclear ribonucleoprotein H;	
KCCTLPEDQR	LPCVEDYLSAILNR	N-ter +28.03 Da, C +57.02 Da	41.2	71.5	3	1690.00	3.27	0.61	ALBU_MOUSE		Serum albumin;	
VLDQPDAATH	LPHPPEPSPLPPGWEER	N-ter +28.03 Da	35.7	69.0	3	1962.14	0.60	0.03	NEDD4_MOUSE		E3 ubiquitin-protein ligase NEDD4;	Neural precursor cell expressed developmentally down-regulated protein 4;
WNKTKQKQEA	LPLPSSTSCCTQLYR	N-ter +34.06 Da, C +57.02 Da	32.1	46.8	3	1815.99	0.00	0.00	CCL27_MOUSE	A2AMS6_MOUSE	C-C motif chemokine 27;	CC chemokine ILC;Cutaneous T-cell-attracting chemokine;ESkine;IL-11 R-alpha-locus chemokine;Skinkine;Small-inducible cytokine A27;
ALLCAGRAQG	LQCYECYGVPIETSCPAVTCR	N-ter +28.03 Da, C +57.02 Da	55.3	43.9	3	2590.25	0.50	0.04	LY6C1_MOUSE	LY6C2_MOUSE	Lymphocyte antigen 6C1;	
PRKIISLSQL	LQEDSLNVADLSSLR	N-ter +28.03 Da	39.1	47.5	3	1686.96	0.35	0.01	PSME2_MOUSE	E0CZ90_MOUSE	Proteasome activator complex subunit 2;	11S regulator complex subunit beta;Activator of multicatalytic protease subunit 2;Proteasome activator 28 subunit beta;
NLFQTFTINY	LQETTLAANQPLSR	N-ter +34.06 Da	32.8	59.2	3	1574.98	-1.52	0.09	MA2B1_MOUSE		Lysosomal alpha-mannosidase;	Lysosomal acid alpha-mannosidase;Mannosidase alpha class 2B member 1;Mannosidase alpha-B;
SRDGKALEQF	LQEYFDGNLKR	N-ter +28.03 Da, K +28.03 Da	26.1	46.9	3	1437.83	0.14	0.01	PDIA3_MOUSE		Protein disulfide-isomerase A3;	58 kDa glucose-regulated protein;58 kDa microsomal protein;Disulfide isomerase ER-60;Endoplasmic reticulum resident protein 57;Endoplasmic reticulum resident protein 60;
ARRQHLKSVM	LQIAATELEKEESR	N-ter +28.03 Da, K +28.03 Da	22.8	55.0	3	1672.00	0.33	0.02	TNNI2_MOUSE	A2A6K0_MOUSE	Troponin I, fast skeletal muscle;	Troponin I, fast-twitch isoform;
QAKAVLSAEK	LRDEEVHTGLGELLR	N-ter +34.06 Da	44.9	84.6	4	1770.13	-1.56	0.14	SERPH_MOUSE		Serpin H1;	47 kDa heat shock protein;Collagen-binding protein;Serine protease inhibitor J6;
NTFYSNKEIF	LRELISNASDALDKIR	N-ter +34.06 Da, K +34.06 Da	39.7	98.5	4	1881.32	0.61	0.06	ENPL_MOUSE	HS90B_MOUSE	Endoplasmin;	94 kDa glucose-regulated protein;Endoplasmic reticulum resident protein 99;Heat shock protein 90 kDa beta member 1;Polymorphic tumor rejection antigen 1;Tumor rejection antigen gp96;
FGDKLCAIPN	LRENYGELADCCTKQEPER	N-ter +34.06 Da, K +34.06 Da, C +57.02 Da	44.8	83.3	4	2435.39	-6.64	0.00	ALBU_MOUSE		Serum albumin;	
ALSVLPDSRA	LRPGDCEVCISYLGR	N-ter +34.06 Da, C +57.02 Da	54.8	56.3	3	1828.02	1.20	0.14	MANF_MOUSE	Q3TMX5_MOUSE	Mesencephalic astrocyte-derived neurotrophic factor;	Arginine-rich protein;Protein ARMET;
GAIMARIAQF	LSGIPETVPLSTVNR	N-ter +34.06 Da	31.1	33.0	3	1615.99	-1.09	0.07	THIKA_MOUSE	THIKB_MOUSE	3-ketoacyl-CoA thiolase A, peroxisomal;	Acetyl-CoA acyltransferase A;Beta-ketothiolase A;Peroxisomal 3-oxoacyl-CoA thiolase A;
QDDWATWTSF	LSGVDIQIVGDDLTVTNPKR	N-ter +28.03 Da, K +28.03 Da	51.5	53.7	3	2195.33	-3.64	0.46	ENOB_MOUSE		Beta-enolase;	2-phospho-D-glycerate hydro-lyase;Enolase 3;Muscle-specific enolase;Skeletal muscle enolase;
RFQHVGTSVF	LSVTGEQYGNPIR	N-ter +28.03 Da	32.8	43.3	3	1460.83	-0.52	0.02	SDF2L_MOUSE		Stromal cell-derived factor 2-like protein 1;	
RVAPEEHPTL	LTEAPLNPKANR	N-ter +34.06 Da, K +34.06 Da	17.3	75.5	3	1390.96	0.16	0.02	ACTC_MOUSE	ACTA_MOUSE	Actin, alpha cardiac muscle 1;	Alpha-cardiac actin;
LLIATGPTTA	LTEDEKQTMVDLHNQYR	N-ter +34.06 Da, K +34.06 Da	30.6	68.2	4	2187.28	0.38	0.04	PI16_MOUSE	D3Z6T6_MOUSE	Peptidase inhibitor 16;	Cysteine-rich protease inhibitor;
YQEDMGSLFY	LTLDVLETDCHVLSR	N-ter +34.06 Da, C +57.02 Da	53.9	77.6	3	1804.10	-2.74	0.37	FETUB_MOUSE	Q6YJU1_MOUSE	Fetuin-B;	Fetuin-like protein IRL685;
ALTITASVQA	LTPTHYLTKQDVER	N-ter +28.03 Da, K +28.03 Da	20.1	106.8	4	1756.14	0.04	0.00	RPN2_MOUSE	A2ACG7_MOUSE	Dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit 2;	Dolichyl-diphosphooligosaccharide--protein glycosyltransferase 63 kDa subunit;Ribophorin II;Ribophorin-2;
DQFSRSVNVS	LTQEELDSGLDELSVR	N-ter +28.03 Da	45.3	54.4	3	1831.02	0.50	0.03	AKAP2_MOUSE	A2API8_MOUSE	A-kinase anchor protein 2;	AKAP expressed in kidney and lung;Protein kinase A-anchoring protein 2;
INGTQICPNN	LVAFHDFSSDLENVPHLR	N-ter +34.06 Da	26.9	92.5	4	2129.31	-0.74	0.10	PRELP_MOUSE		Prolargin;	Proline-arginine-rich end leucine-rich repeat protein;
LEFQAQITTL	LVDLGTPQAEIAR	N-ter +28.03 Da	32.3	31.2	3	1409.83	0.51	0.02	SYMPK_MOUSE	E9PVR1_MOUSE	Symplekin;	
STSVVRPFAK	LVRPPVQVYGIEGR	N-ter +28.03 Da	31.1	50.6	3	1610.01	0.01	0.00	ATPO_MOUSE	D3Z4J0_MOUSE	ATP synthase subunit O, mitochondrial;	Oligomycin sensitivity conferral protein;
GIWHNDNKSF	LVWVVNEEDHLR	N-ter +34.06 Da	51.5	55.1	3	1442.85	-1.06	0.09	KCRM_MOUSE		Creatine kinase M-type;	Creatine kinase M chain;M-CK;
KGSVAGGAVY	LVYDQELLGPSDKSEAALR	N-ter +34.06 Da, K +34.06 Da	59.4	62.5	3	2171.35	0.16	0.02	QIL1_MOUSE		Protein QIL1;	
AGNKVTYVDF	LVYDVLDQHR	N-ter +34.06 Da	38.5	55.4	3	1290.79	-0.36	0.01	GSTM2_MOUSE	GSTM6_MOUSE	Glutathione S-transferase Mu 2;	GST 5-5;GST class-mu 2;Glutathione S-transferase pmGT2;

Non Prime Site	Prime Site	Modifications	Hyperscore	Mass error in ppm	Charge	Precursor neutral mass in Da	Fold change (log_2) of ASAPRatio	FC-error of ASAPRatio	Uniprot ID 1	Uniprot ID 2	Protein Name 1	Protein Name 2
DSPGLHRYVW	LVYEQEQPLSCDEPILSNKSGDNR	N-ter +34.06 Da, K +34.06 Da, C +57.02 Da	47.8	67.5	4	2858.63	-0.47	0.06	PEBP1_MOUSE	D3Z1V4_MOUSE	Phosphatidylethanolamine-binding protein 1;	HCNPpp;
VLGKLPSLAF	LYMEKNQLEEVPSALPR	N-ter +34.06 Da, K +34.06 Da	22.7	57.3	3	2084.28	-2.56	0.15	PRELP_MOUSE		Prolargin;	Proline-arginine-rich end leucine-rich repeat protein;
SCTFFLAVSG	LYSSSDDVIELTPSNFNR	N-ter +34.06 Da	52.7	35.3	3	2090.11	0.16	0.02	PDIA6_MOUSE	Q3TML0_MOUSE	Protein disulfide-isomerase A6;	Thioredoxin domain-containing protein 7;
EQKIGQPTLL	LYVDAGAETMTQR	N-ter +34.06 Da	49.9	55.7	3	1487.83	-1.06	0.11	KAD1_MOUSE		Adenylate kinase isoenzyme 1;	ATP-AMP transphosphorylase 1;Myokinase;
TARGAAVTRS	MASGGGVPTDEEQATGLER	N-ter +34.06 Da	33.9	56.7	3	1938.03	-0.45	0.03	COX5B_MOUSE	Q9D881_MOUSE	Cytochrome c oxidase subunit 5B, mitochondrial;	Cytochrome c oxidase polypeptide Vb;
TYHCKNSVAY	MDQQTGNLKKALLLQGSNEIELR	N-ter +34.06 Da, K +34.06 Da	35.7	56.5	4	2700.72	-0.49	0.02	CO1A1_MOUSE	F8WGB7_MOUSE	Collagen alpha-1(I) chain;	Alpha-1 type I collagen;
SKMFEELKNR	MDVLAQEVALLKEK	N-ter +34.06 Da, K +34.06 Da	48.5	84.1	3	1688.21	-2.94	0.23	TETN_MOUSE	Q8CFZ6_MOUSE	Tetranectin;	C-type lectin domain family 3 member B;Plasminogen kringle 4-binding protein;
TYLERHMSEF	MECNLDELVKHGLR	N-ter +28.03 Da, K +28.03 Da, C +57.02 Da	19.5	91.5	4	1769.06	-0.27	0.02	PSA1_MOUSE	E9Q3B7_MOUSE		
GKLPSLAFLY	MEKNQLEEVPSALPR	N-ter +34.06 Da, K +34.06 Da	42.5	62.8	3	1808.13	-0.97	0.08	PRELP_MOUSE		Prolargin;	Proline-arginine-rich end leucine-rich repeat protein;
QNMNRAFQVL	MELENPVLISLGKGR	N-ter +34.06 Da, K +34.06 Da	30.9	64.0	3	1723.14	0.68	0.03	LHPP_MOUSE		Phospholysine phosphohistidine inorganic pyrophosphate phosphatase;	
SLLLGSVQGY	MEQASKTVQDALSSVQESDIAVVAR	N-ter +34.06 Da, K +34.06 Da	45.6	74.7	4	2729.66	-1.00	0.14	APOC3_MOUSE	E9QP56_MOUSE	Apolipoprotein C-III;	Apolipoprotein C3;
KTIDCDVITL	MFIQTQDTPNPNSLKFIPGKPVLETR MGTPSGTAEPYDGTKAR	N-ter +34.06 Da, K +34.06 Da N-ter +34.06 Da, K +34.06 Da	22.5 48.1	63.5 67.7	4 3	3072.95 1806.05	-5.06 0.37	0.00 0.06	NFU1_MOUSE BSDC1_MOUSE	D3Z285_MOUSE	NFU1 iron-sulfur cluster scaffold homolog, mitochondrial; BSD domain-containing protein 1;	HIRA-interacting protein 5;
SVILQHLRMS	MHTEAAEVLLER	N-ter +34.06 Da	40.1	48.2	3	1431.83	0.18	0.02	HIBCH_MOUSE	E0CX19_MOUSE	3-hydroxyisobutyryl-CoA hydrolase, mitochondrial;	3-hydroxyisobutyryl-coenzyme A hydrolase;
AGNKLAMQEF	MILPVGASSFKEAMR	N-ter +34.06 Da, K +34.06 Da	28.1	73.0	3	1704.10	0.23	0.03	ENOB_MOUSE	Q5SX59_MOUSE	Beta-enolase;	2-phospho-D-glycerate hydro-lyase;Enolase 3;Muscle-specific enolase;Skeletal muscle enolase;
SEVKKMQQEN	MKPQEQLTLEPYER	N-ter +28.03 Da, K +28.03 Da	29.8	40.7	3	1817.01	1.44	0.04	FBRL_MOUSE		rRNA 2'-O-methyltransferase fibrillarin;	Nucleolar protein 1;
	MKQLPILEPGDKPR	N-ter +28.03 Da, K +28.03 Da	37.9	52.7	4	1705.09	0.89	0.03	RABEK_MOUSE	B0R0S4_MOUSE	Rab9 effector protein with kelch motifs;	
	MKVFVTGPLPAEGR	N-ter +34.06 Da, K +34.06 Da	26.8	70.0	3	1569.05	0.52	0.05	GRHPR_MOUSE	D6REG4_MOUSE	Glyoxylate reductase/hydroxypyruvate reductase;	
WAATPKQGPR	MLGAPEEADANEEGVRR	N-ter +28.03 Da	22.8	68.0	3	1871.01	0.31	0.04	CYTC_MOUSE	A2APX3_MOUSE	Cystatin-C;	Cystatin-3;
WAATPKQGPR	MLGAPEEADANEEGVR	N-ter +28.03 Da	57.1	49.4	3	1714.87	-0.12	0.01	CYTC_MOUSE	A2APX3_MOUSE	Cystatin-C;	Cystatin-3;
TARRQHLKSV	MLQIAATELEKEESR	N-ter +34.06 Da, K +34.06 Da	21.7	65.1	3	1815.13	1.61	0.15	TNNI2_MOUSE	A2A6K0_MOUSE	Troponin I, fast skeletal muscle;	Troponin I, fast-twitch isoform;
QLSKTEFLSF	MNTELAAFTKNQKDPGVLDR	N-ter +34.06 Da, K +34.06 Da	18.0	63.1	4	2349.47	-0.11	0.01	S10AB_MOUSE	F6SJ35_MOUSE	Protein S100-A11;	Calgizzarin;Endothelial monocyte-activating polypeptide;Protein S100-C;S100 calcium-binding protein A11;
RLPASPVISN	MPAQVDQGVATEDR	N-ter +28.03 Da	36.7	49.6	3	1543.81	0.52	0.02	3BP1_MOUSE	A2A5V4_MOUSE	SH3 domain-binding protein 1;	
ILAQMTGTEY	MQDPDEEALRR	N-ter +28.03 Da	25.5	63.6	3	1386.74	1.27	0.13	LDB3_MOUSE	E9PYJ9_MOUSE	LIM domain-binding protein 3;	Protein cypher;Protein oracle;Z-band alternatively spliced PDZ-motif protein;
NSGSLSVEEF	MSLPELQQNPLVQR	N-ter +34.06 Da	35.0	46.0	3	1686.01	-0.74	0.04	CANB1_MOUSE		Calcineurin subunit B type 1;	Protein phosphatase 2B regulatory subunit 1;Protein phosphatase 3 regulatory subunit B alpha isoform 1;
EFRECDYNKF	MSVLDTNKDCEVDFGEYVR	N-ter +28.03 Da, K +28.03 Da, C +57.02 Da	25.2	68.6	3	2332.23	0.63	0.07	S10A3_MOUSE		Protein S100-A3;	Protein S-100E;S100 calcium-binding protein A3;
PGLGGNFASQ	MSYGYDEKSAGVSVPGPMGPSGPR	N-ter +28.03 Da, K +28.03 Da	42.3	72.3	4	2481.35	0.88	0.06	CO1A1_MOUSE	F8WGB7_MOUSE	Collagen alpha-1(I) chain;	Alpha-1 type I collagen;
SPNKGVLSDF	MTDVPVDPGVVHR	N-ter +34.06 Da	42.8	79.5	3	1454.89	-0.94	0.05	TPD54_MOUSE	Q3TUJ9_MOUSE	Tumor protein D54;	Tumor protein D52-like 2;
QSRSFRILAQ	MTGTEYMQDPDEEALRR	N-ter +34.06 Da	23.7	54.7	3	2075.06	0.11	0.01	LDB3_MOUSE	E9PYJ9_MOUSE	LIM domain-binding protein 3;	Protein cypher;Protein oracle;Z-band alternatively spliced PDZ-motif protein;
QSRSFRILAQ	MTGTEYMQDPDEEALR	N-ter +28.03 Da	44.3	45.9	3	1912.91	-0.01	0.00	LDB3_MOUSE	E9PYJ9_MOUSE	LIM domain-binding protein 3;	Protein cypher;Protein oracle;Z-band alternatively spliced PDZ-motif protein;
TTLEHSDCAF	MVDNEAIYDICR	N-ter +34.06 Da, C +57.02 Da	37.7	46.3	3	1531.79	-0.81	0.06	TBA1A_MOUSE	TBA1B_MOUSE	Tubulin alpha-1A chain;	Alpha-tubulin 1;Alpha-tubulin isotype M-alpha-1;Tubulin alpha-1 chain;
ISKEWGFTKF	NADEFEDMVAEKR	N-ter +34.06 Da, K +34.06 Da	22.7	61.7	3	1620.91	-1.40	0.15	RL10_MOUSE		60S ribosomal protein L10;	Protein QM homolog;
NLPTENELTF	NAEEYSDISEMR	N-ter +34.06 Da	22.3	97.6	3	1476.81	-2.74	0.55	NCKP1_MOUSE	A2AS98_MOUSE	Nck-associated protein 1;	Brain protein H19;MH19;Membrane-associated protein HEM-2;p125Nap1;
TIKKRLETYY	NATEPVISFYDKR	N-ter +28.03 Da, K +28.03 Da	21.9	48.1	3	1594.91	-1.74	0.17	KAD1_MOUSE		Adenylate kinase isoenzyme 1;	ATP-AMP transphosphorylase 1;Myokinase;
TGGRTTWART	NATLSVEPEGR	N-ter +34.06 Da	35.1	42.0	2	1205.70	0.76	0.05	ACOT2_MOUSE		Acyl-coenzyme A thioesterase 2, mitochondrial;	Acyl coenzyme A thioester hydrolase;MTE-I;Very-long-chain acyl-CoA thioesterase;
SRFPNQNQTK	NCWQNYLDFHR	N-ter +28.03 Da, C +57.02 Da	27.9	56.2	3	1579.79	0.23	0.02	CX6B1_MOUSE		Cytochrome c oxidase subunit 6B1;	Cytochrome c oxidase subunit VIb isoform 1;
FSHFRLFDEN	NDAAILVLLEPIER	N-ter +28.03 Da	24.0	68.5	3	1593.02	0.30	0.02	TLR2_MOUSE		Toll-like receptor 2;	
PGDYSILVKY	NDQHIPGSPFTAR	N-ter +34.06 Da	25.4	51.8	3	1472.84	-1.25	0.03	FLNA_MOUSE	B7FAV1_MOUSE	Filamin-A;	Actin-binding protein 280;Alpha-filamin;Endothelial actin-binding protein;Filamin-1;Non-muscle filamin;
FGVCHIFASF	NDTFVHVTDLSGKETICR	N-ter +28.03 Da, K +28.03 Da, C +57.02 Da	27.2	65.5	4	2147.21	0.07	0.01	RS14_MOUSE	D3YVF4_MOUSE	40S ribosomal protein S14;	
RFFQTTAVCK	NDVITVQTPAFAESVTEGDVR	N-ter +28.03 Da	61.8	50.0	3	2275.25	0.35	0.03	ODO2_MOUSE		Dihydrolipoyllysine-residue succinyltransferase component of 2-oxoglutarate dehydrogenase complex, mitochondrial;	2-oxoglutarate dehydrogenase complex component E2;Dihydrolipoamide succinyltransferase component of 2-oxoglutarate dehydrogenase complex;E2K;

Non Prime Site	Prime Site	Modifications	Hyperscore	Mass error in ppm	Charge	Precursor neutral mass in Da	Fold change (log_2) of ASAPRatio	FC-error of ASAPRatio	Uniprot ID 1	Uniprot ID 2	Protein Name 1	Protein Name 2
PGDYEVSVKF	NEEHIPDSPFVVPVASPSGDAR	N-ter +34.06 Da	30.6	36.5	3	2353.26	-3.64	1.37	FLNA_MOUSE	B7FAV1_MOUSE	Filamin-A;	Actin-binding protein 280;Alpha-filamin;Endothelial actin-binding protein;Filamin-1;Non-muscle filamin;
FKKAGHPFMW	NEHLGYVLTCPSNLGTGLR	N-ter +28.03 Da, C +57.02 Da	46.3	68.3	3	2128.22	0.19	0.02	KCRM_MOUSE		Creatine kinase M-type;	Creatine kinase M chain;M-CK;
QNTCAMLTTF	NEVDMSNIQEMR	N-ter +34.06 Da	33.3	49.9	3	1498.77	-1.22	0.11	ODO2_MOUSE		Dihydrolipoyllysine-residue succinyltransferase component of 2-oxoglutarate dehydrogenase complex, mitochondrial;	2-oxoglutarate dehydrogenase complex component E2;Dihydrolipoamide succinyltransferase component of 2-oxoglutarate dehydrogenase complex;E2K;
AEEELRQIKI	NEVQTDVSVDTKHQTLQGVAFPISR	N-ter +34.06 Da, K +34.06 Da	31.9	57.6	4	2836.70	-1.52	0.13	TWF1_MOUSE		Twinfilin-1;	Protein A6;
RDKRSALQSI	NEWASQTTDGKLPEVTKDVER	N-ter +28.03 Da, K +28.03 Da	40.4	72.0	4	2486.45	0.16	0.01	SERPH_MOUSE		Serpin H1;	47 kDa heat shock protein;Collagen-binding protein;Serine protease inhibitor J6;
	NIVLTQSPASLAVSLGQR	N-ter +28.03 Da	54.4	45.2	3	1881.15	3.49	0.20	KV3A9_MOUSE	KV3AA_MOUSE	Ig kappa chain V-III region MOPC 63;	
ILLWLYGADG	NIVMTQSPKSMSMSVGER	N-ter +28.03 Da, K +28.03 Da	47.3	72.2	3	2037.15	-1.06	0.13	KV5A2_MOUSE		Ig kappa chain V-V region MOPC 21;	
YNKFMSVLDT	NKDCEVDFGEYVR	N-ter +28.03 Da, K +28.03 Da, C +57.02 Da	42.5	57.1	3	1685.87	0.99	0.10	S10A3_MOUSE		Protein S100-A3;	Protein S-100E;S100 calcium-binding protein A3;
FLPMMQAISN	NKDQGGYEDFVEGLR	N-ter +34.06 Da, K +34.06 Da	45.8	40.0	3	1793.99	0.49	0.09	MYL1_MOUSE	E9PWG4_MOUSE	Myosin light chain 1/3, skeletal muscle isoform;	Myosin light chain alkali 1/2;
QSPASHEIAT	NLGDFAISLYR	N-ter +28.03 Da	42.6	38.8	2	1295.74	0.29	0.04	A1AT1_MOUSE	A1AT2_MOUSE	Alpha-1-antitrypsin 1-1;	Alpha-1 protease inhibitor 1;Alpha-1-antiproteinase;Serine protease inhibitor 1-1;Serine protease inhibitor A1a;
VPDQAGRFHV	NLLCGEEQGADAALHFNPR	N-ter +34.06 Da, C +57.02 Da	69.1	69.0	3	2145.20	-2.94	0.45	LEG7_MOUSE	Q9CRB1_MOUSE	Galectin-7;	
SSSLGQQLNL	NLLENWDTLGSTVSQLQER	N-ter +34.06 Da	50.0	33.3	3	2236.23	-0.36	0.06	APOA1_MOUSE	Q8BPD5_MOUSE	Apolipoprotein A-I;	Apolipoprotein A1;
KINGTQICPN	NLVAFHDFSSDLENVPHLR	N-ter +28.03 Da	28.6	98.3	4	2237.34	3.14	0.48	PRELP_MOUSE		Prolargin;	Proline-arginine-rich end leucine-rich repeat protein;
LAACGSVTMS	NPGESSFDLADR	N-ter +28.03 Da	48.9	42.9	2	1334.67	-2.25	0.21	SODE_MOUSE		Extracellular superoxide dismutase [Cu-Zn];	
GSRNGDQWGV	NPGGFVER	N-ter +28.03 Da	19.6	79.6	2	902.53	0.33	0.02	ANS1B_MOUSE		Ankyrin repeat and sterile alpha motif domain-containing protein 1B;	Amyloid-beta protein intracellular domain-associated protein 1;E2A-PBX1-associated protein;
FDDIGRNFLM	NPQNGLKIRPFMKAHLNR	N-ter +28.03 Da, K +28.03 Da	18.5	79.0	4	2217.44	4.01	0.30	UBCP1_MOUSE		Ubiquitin-like domain-containing CTD phosphatase 1;	Nuclear proteasome inhibitor UBLCP1;
GALGCAICHG	NPVDDICIAKPR	N-ter +28.03 Da, K +28.03 Da, C +57.02 Da	36.7	43.1	3	1452.84	0.78	0.06	ANT3_MOUSE		Antithrombin-III;	Serpin C1;
IPRHEVTEIS	NTDVETQPGKTVIR	N-ter +28.03 Da, K +28.03 Da	22.6	67.9	3	1612.99	-0.15	0.03	E9Q616_MOUSE			
QPVPKLGEVV	NTHGPVEPDKDNIR	N-ter +28.03 Da, K +28.03 Da	25.9	105.6	4	1647.01	-1.40	0.18	NMT1_MOUSE		Glycylpeptide N-tetradecanoyltransferase 1;	Myristoyl-CoA:protein N-myristoyltransferase 1;Peptide N-myristoyltransferase 1;
ELRQLMEKVQ	NVSQSMEVLELR	N-ter +28.03 Da	33.6	63.6	3	1431.83	3.38	0.29	NOE2_MOUSE		Noelin-2;	Olfactomedin-2;
FHTNRGPIKF	NVWDTAGQEKFGGLR	N-ter +34.06 Da, K +34.06 Da	23.2	43.8	3	1745.03	-0.64	0.04	RAN_MOUSE	RANT_MOUSE	GTP-binding nuclear protein Ran;	GTPase Ran;Ras-like protein TC4;Ras-related nuclear protein;
KRQNKDLMEL	QALIDSHFEAR	N-ter +34.06 Da	31.6	56.0	3	1319.78	-0.30	0.01	TNNT3_MOUSE	A2A6J0_MOUSE	Troponin T, fast skeletal muscle;	Fast skeletal muscle troponin T;
LAVDSASPVY	QAVIKTQSKPEDEADEWAR	N-ter +34.06 Da, K +34.06 Da	22.5	59.4	4	2302.40	-0.79	0.04	LDB3_MOUSE	E9PYJ9_MOUSE	LIM domain-binding protein 3;	Protein cypher;Protein oracle;Z-band alternatively spliced PDZ-motif protein;
LLTDVELQYP	QDAVLALTQHR	N-ter +34.06 Da	20.9	76.3	3	1284.83	-0.27	0.02	ITIH1_MOUSE	F8WJ05_MOUSE	Inter-alpha-trypsin inhibitor heavy chain H1;	
GRKTETVCTF	QDGALVQHQQWDGKESTITR	N-ter +34.06 Da, K +34.06 Da	50.1	69.8	4	2364.41	-0.86	0.06	FABP5_MOUSE		Fatty acid-binding protein, epidermal;	Epidermal-type fatty acid-binding protein;Fatty acid-binding protein 5;Keratinocyte lipid-binding protein;Psoriasis-associated fatty acid-binding protein homolog;
KRNDFQLIGI	QDGYLSLLQDSGEVR	N-ter +34.06 Da	38.6	63.9	3	1712.99	-0.01	0.00	IF5A1_MOUSE		Eukaryotic translation initiation factor 5A-1;	Eukaryotic initiation factor 5A isoform 1;eIF-4D;
ATVASSSQKF	QDLGVKNSEPAAR	N-ter +28.03 Da, K +28.03 Da	32.2	72.1	3	1439.88	-0.62	0.10	SEPT9_MOUSE	A2A6U3_MOUSE	Septin-9;	SL3-3 integration site 1 protein;
PRQSGSFRVL	QDLVNDGPDDRPAGTR	N-ter +34.06 Da	38.5	72.3	3	1759.00	1.19	0.15	PDLI3_MOUSE		PDZ and LIM domain protein 3;	Actinin-associated LIM protein;Alpha-actinin-2-associated LIM protein;
PTDKPLRLPL	QDVYKIGGIGTVPVGR	N-ter +34.06 Da, K +34.06 Da	37.0	62.6	3	1726.15	-0.22	0.01	EF1A1_MOUSE	EF1A2_MOUSE	Elongation factor 1-alpha 1;	Elongation factor Tu;Eukaryotic elongation factor 1 A-1;
TSGPVPTTQI	QEASAEHPPAVAPR	N-ter +34.06 Da	41.6	67.1	3	1492.89	-0.47	0.06	Q3U422_MOUSE			
LGATALLTHG	QEDIPEVSCIHNGLR	N-ter +34.06 Da, C +57.02 Da	53.4	71.7	3	1800.03	0.25	0.02	CO1A1_MOUSE	F8WGB7_MOUSE	Collagen alpha-1(I) chain;	Alpha-1 type I collagen;
VFSMFDQTQI	QEFKEAFTVIDQNR	N-ter +34.06 Da, K +34.06 Da	39.8	68.8	3	1792.10	-0.14	0.02	MLRS_MOUSE	F6ULR7_MOUSE	Myosin regulatory light chain 2, skeletal muscle isoform;	Fast skeletal myosin light chain 2;MLC2F;
HGYYAAGQTW	QEGDKVIRPGVSQAGEEMEQFGQGVR	N-ter +34.06 Da, K +34.06 Da	43.6	34.5	4	2898.59	0.44	0.02	E9QPB2_MOUSE			
PKQSTSFLVL	QEILESDGKGDPNKPSGFR	N-ter +28.03 Da, K +28.03 Da	21.3	60.3	4	2157.24	-4.32	0.00	PDLI1_MOUSE		PDZ and LIM domain protein 1;	C-terminal LIM domain protein 1;Elfin;LIM domain protein CLP-36;
QDQLDAVSKY	QEVTNNLEFAKELQR	N-ter +34.06 Da, K +34.06 Da	31.3	67.5	3	1886.18	-0.14	0.01	CAPR1_MOUSE		Caprin-1;	Cytoplasmic activation- and proliferation-associated protein 1;GPI-anchored membrane protein 1;GPI-anchored protein p137;Membrane component chromosome 11 surface marker 1;RNA granule protein 105;
RQYFYRYITD	QEYIYSIHTR	N-ter +34.06 Da	29.5	47.0	3	1342.77	0.50	0.01	MA2B2_MOUSE	F6TMZ3_MOUSE	Epididymis-specific alpha-mannosidase;	Mannosidase alpha class 2B member 2;
QMKQDRITRY	QGVNLYVKNLDDGIDDER	N-ter +34.06 Da, K +34.06 Da	38.0	64.2	3	2130.26	-2.32	0.23	PABP1_MOUSE		Polyadenylate-binding protein 1;	
RRQHLKSVML	QIAATELEKEESR	N-ter +28.03 Da, K +28.03 Da	31.7	80.1	3	1558.95	-0.20	0.01	TNNI2_MOUSE	A2A6K0_MOUSE	Troponin I, fast skeletal muscle;	Troponin I, fast-twitch isoform;

Non Prime Site	Prime Site	Modifications	Hyperscore	Mass error in ppm	Charge	Precursor neutral mass in Da	Fold change (log_2) of ASAPRatio	FC-error of ASAPRatio	Uniprot ID 1	Uniprot ID 2	Protein Name 1	Protein Name 2
DLVLRLRGGM	QIFVKTLTGK	N-ter +28.03 Da, K +28.03 Da	14.9	60.2	3	1348.90	0.00	0.00	RL40_MOUSE	RS27A_MOUSE	Ubiquitin-60S ribosomal protein L40;	Ubiquitin A-52 residue ribosomal protein fusion product 1;
RNLHASNTRL	QKTGTAEMSSILEER	N-ter +34.06 Da, K +34.06 Da	46.5	51.9	3	1747.04	0.18	0.01	ATPA_MOUSE	D6RJ16_MOUSE	ATP synthase subunit alpha, mitochondrial;	
LQAYVAWVNA	QLKKRPSVKPVQDLR	N-ter +28.03 Da, K +28.03 Da	23.4	44.3	4	1903.29	3.73	0.32	DIXC1_MOUSE	F2Z453_MOUSE	Dixin;	Coiled-coil protein DIX1;DIX domain-containing protein 1;
NTEENRRFYR	QLLLTADDR	N-ter +28.03 Da	30.4	27.3	2	1071.62	0.91	0.02	ALDOA_MOUSE	Q9CPQ9_MOUSE	Fructose-bisphosphate aldolase A;	Aldolase 1;Muscle-type aldolase;
EETRKETAPV	QLPVSGPELAAMMKIGTR	N-ter +28.03 Da, K +28.03 Da	27.4	59.3	3	1954.19	-0.14	0.00	HERC2_MOUSE	F8WJE1_MOUSE	E3 ubiquitin-protein ligase HERC2;	HECT domain and RCC1-like domain-containing protein 2;
LIVSQKTPRA	QPGATTVQEQLR	N-ter +34.06 Da	19.9	38.0	2	1360.80	-0.45	0.03	PLD4_MOUSE		Phospholipase D4;	Choline phosphatase 4;Phosphatidylcholine-hydrolyzing phospholipase D4;
QSLPSSHGPS	QPGLPAVLSSPSPPLSPR	N-ter +28.03 Da	21.1	77.4	4	1827.17	6.34	0.56	CB071_MOUSE		Uncharacterized protein C2orf71 homolog;	
HIPTSAPVYQ	QPQQQQMTSSYGGYKEPAAPVSIQR	N-ter +28.03 Da, K +28.03 Da	56.1	77.9	4	2834.62	0.43	0.09	LASP1_MOUSE	A2A6H0_MOUSE	LIM and SH3 domain protein 1;	Metastatic lymph node gene 50 protein;
TARKDNIGRN	QPSPQAGLAGPGPAGYGAARPTIPAR	N-ter +28.03 Da	25.0	56.4	4	2485.46	2.02	0.07	SYNJ1_MOUSE	F7CD11_MOUSE	Synaptojanin-1;	Synaptic inositol-1,4,5-trisphosphate 5-phosphatase 1;
RSSNRRDRPR	QPSPSQSSDSQVHSGVQVEGR	N-ter +28.03 Da	39.2	62.5	3	2223.19	1.06	0.10	F7BVV1_MOUSE	F7BVV1_MOUSE		
LLHPTLILAQ	QSNVDELGCSHLGQSYESR	N-ter +28.03 Da, C +57.02 Da	55.4	58.3	3	2193.10	0.82	0.08	CO3A1_MOUSE	Q5DTG2_MOUSE	Collagen alpha-1(III) chain;	
LGRFAVRDMR	QTVAVGVIKAVDK	N-ter +34.06 Da, K +34.06 Da	29.5	57.7	3	1429.06	0.18	0.02	EF1A1_MOUSE		Elongation factor 1-alpha 1;	Elongation factor Tu;Eukaryotic elongation factor 1 A-1;
LGRFAVRDMR	QTVAVGVIKNVEK	N-ter +34.06 Da, K +34.06 Da	23.1	28.7	3	1486.04	-0.34	0.03	EF1A2_MOUSE	B7ZBW3_MOUSE	Elongation factor 1-alpha 2;	Eukaryotic elongation factor 1 A-2;Statin-S1;
YTFFTPNNIK	QVSDLISVLR	N-ter +34.06 Da	31.7	31.9	2	1162.75	-0.30	0.02	DDX5_MOUSE	Q8BTS0_MOUSE	Probable ATP-dependent RNA helicase DDX5;	DEAD box RNA helicase DEAD1;DEAD box protein 5;RNA helicase p68;
RRGQSSSANR	RAGSSSGSGVQGASAGGLAADASR	N-ter +28.03 Da	86.2	64.7	3	2104.16	2.59	0.44	E9Q019_MOUSE	FILA_MOUSE		
RRGQSSSANR	RAGSSSGSGVQGTSAGGLAADASR	N-ter +28.03 Da	68.8	67.3	3	2134.18	2.14	0.21	E9Q019_MOUSE			
MRAAPR	RAPAAQPPAAAAPSAVGSPAAAPR	N-ter +28.03 Da	43.2	74.1	4	2180.34	-0.27	0.02	CHCH2_MOUSE	B2RPU8_MOUSE	Coiled-coil-helix-coiled-coil-helix domain-containing protein 2, mitochondrial;	
AKAVLSAEKL	RDEEVHTGLGELLR	N-ter +28.03 Da	28.2	56.6	3	1650.96	-0.38	0.02	SERPH_MOUSE		Serpin H1;	47 kDa heat shock protein;Collagen-binding protein;Serine protease inhibitor J6;
LSLMEPESEF	RDIDNPSAEAER	N-ter +34.06 Da	35.0	75.9	3	1405.81	2.62	0.41	PLIN1_MOUSE		Perilipin-1;	Lipid droplet-associated protein;Perilipin A;
DKDASVVGFF	RDLFSDGHSEFLKAASNLR	N-ter +34.06 Da, K +34.06 Da	18.4	99.0	4	2230.43	0.29	0.02	PDIA3_MOUSE		Protein disulfide-isomerase A3;	58 kDa glucose-regulated protein;58 kDa microsomal protein;Disulfide isomerase ER-60;Endoplasmic reticulum resident protein 57;Endoplasmic reticulum resident protein 60;
APSDNRVTSF	RDLIHDQDEEEEEEGQR	N-ter +34.06 Da	32.0	99.3	4	2289.25	-1.29	0.16	NSF1C_MOUSE	A2AT02_MOUSE	NSFL1 cofactor p47;	p97 cofactor p47;
LYEDQQCLVF	RDVAPQAPVHFLVIPR	N-ter +34.06 Da	51.6	58.2	4	1848.20	-2.06	0.09	HINT2_MOUSE		Histidine triad nucleotide-binding protein 2, mitochondrial;	HINT-3;
KNRFQTVHFF	RDVLGMQVLR	N-ter +34.06 Da	35.2	50.3	3	1219.79	-0.94	0.05	GLOD4_MOUSE	E9Q055_MOUSE	Glyoxalase domain-containing protein 4;	
DIKSKTYQVM	RDYEQAGSAAPSVFSR	N-ter +28.03 Da	52.0	63.1	3	1767.97	1.04	0.08	MSTN1_MOUSE		Musculoskeletal embryonic nuclear protein 1;	
SIIRNVKGPV	REGDVLTLLESER	N-ter +28.03 Da	30.0	59.3	3	1543.91	-0.79	0.08	RS28_MOUSE		40S ribosomal protein S28;	
QAQPNANEDY	REGPCAVNLVLR	N-ter +28.03 Da, C +57.02 Da	36.8	54.0	3	1410.85	-0.38	0.02	STK39_MOUSE		STE20/SPS1-related proline-alanine-rich protein kinase;	Serine/threonine-protein kinase 39;
KQDFDENDIL	RELEELSLEAQGIR	N-ter +34.06 Da	58.3	49.7	3	1676.02	4.04	0.38	IF2P_MOUSE		Eukaryotic translation initiation factor 5B;	Translation initiation factor IF-2;
TFYSNKEIFL	RELISNASDALDKIR	N-ter +34.06 Da, K +34.06 Da	38.7	78.0	4	1768.19	0.28	0.01	ENPL_MOUSE	HS90B_MOUSE	Endoplasmin;	94 kDa glucose-regulated protein;Endoplasmic reticulum resident protein 99;Heat shock protein 90 kDa beta member 1;Polymorphic tumor rejection antigen 1;Tumor rejection antigen gp96;
PLPTFSSLNL	RETNLESLPLVDTHSKR	N-ter +28.03 Da, K +28.03 Da	23.7	74.3	4	2050.27	0.42	0.03	VIME_MOUSE	E9PZV5_MOUSE	Vimentin;	
KYDHQREQEL	REWIEGVTGR	N-ter +28.03 Da	29.2	56.1	3	1229.72	0.01	0.00	CNN1_MOUSE		Calponin-1;	Basic calponin;Calponin H1, smooth muscle;
GKAFLRQLPF	RGDDGIFDDNFIEER	N-ter +28.03 Da	50.5	65.8	3	1824.95	-0.18	0.02	SNX3_MOUSE	Q78ZM0_MOUSE	Sorting nexin-3;	SDP3 protein;
GKALKRQLPF	RGDEGIFEESFIEER	N-ter +34.06 Da	44.2	44.4	3	1845.98	-0.32	0.04	SNX12_MOUSE	Q6ZWQ5_MOUSE	Sorting nexin-12;	SDP8 protein;
EVSSLKNKLR	RGDLPFVVTR	N-ter +28.03 Da	25.0	72.3	3	1186.77	0.35	0.02	MYH9_MOUSE		Myosin-9;	Cellular myosin heavy chain, type A;Myosin heavy chain 9;Myosin heavy chain, non-muscle IIa;Non-muscle myosin heavy chain A;Non-muscle myosin heavy chain IIa;
SVGPVGAVGP	RGPSGPQGIR	N-ter +28.03 Da	41.9	21.4	2	1051.61	6.62	0.46	CO1A2_MOUSE	E9Q6U9_MOUSE	Collagen alpha-2(I) chain;	Alpha-2 type I collagen;
M	RGQVGDLSPQQQEALAR	N-ter +28.03 Da	43.4	42.7	3	2011.11	-0.32	0.04	S14L4_MOUSE		SEC14-like protein 4;	
LVTPAGVASK	RHLFEKELSGQNR	N-ter +28.03 Da, K +28.03 Da	19.9	92.3	4	1669.06	-0.09	0.00	LAD1_MOUSE		Ladinin-1;	Linear IgA disease antigen homolog;
EQSNVNLAKF	RKIQHELEEAEER	N-ter +28.03 Da, K +28.03 Da	30.3	90.8	4	1722.06	0.20	0.03	MYH1_MOUSE	MYH4_MOUSE	Myosin-1;	Myosin heavy chain 1;Myosin heavy chain 2x;Myosin heavy chain, skeletal muscle, adult 1;
FLERPIIAFV	RLAPAVLLSGLTEVPVPTR	N-ter +28.03 Da	22.7	25.4	3	2016.26	2.96	0.15	S4A7_MOUSE	D3Y273_MOUSE	Sodium bicarbonate cotransporter 3;	Solute carrier family 4 member 7;
LLALAGLLQA	RLLLPQQAGFGECDR	N-ter +28.03 Da, C +57.02 Da	31.9	49.1	3	1787.00	-1.84	0.13	ENDD1_MOUSE	Q69ZY2_MOUSE	Endonuclease domain-containing 1 protein;	
VETQPGKTVI	RLPSGSGPASPTTGSAVDIR	N-ter +34.06 Da	55.6	63.5	3	1959.18	-0.12	0.02	E9Q616_MOUSE			

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LINEHRILNG	RPPLGFLNPR	N-ter +34.06 Da	30.5	48.0	3	1199.79	-0.11	0.01	TPP1_MOUSE		Tripeptidyl-peptidase 1;	Lysosomal pepstatin-insensitive protease;Tripeptidyl aminopeptidase;Tripeptidyl-peptidase I;
LQAQRAFTTR	RQISEDVDGPDNR	N-ter +34.06 Da	48.9	64.2	3	1533.86	0.12	0.01	NEDD4_MOUSE		E3 ubiquitin-protein ligase NEDD4;	Neural precursor cell expressed developmentally down-regulated protein 4;
KKWKEDVELY	RQKVAPLGAELQESAR	N-ter +34.06 Da, K +34.06 Da	27.0	87.8	4	1820.25	-2.32	0.12	APOA1_MOUSE	Q8BPD5_MOUSE	Apolipoprotein A-I;	Apolipoprotein A1;
ENTEENRRFY	RQLLLTADDR	N-ter +34.06 Da	22.2	78.0	3	1233.82	-6.64	0.00	ALDOA_MOUSE	Q9CPQ9_MOUSE	Fructose-bisphosphate aldolase A;	Aldolase 1;Muscle-type aldolase;
QGWRPAADCA	RSAFGAVTLSPVEAPR	N-ter +34.06 Da	19.8	42.0	3	1691.03	0.11	0.02	Q3UN64_MOUSE			
TGTGTLLLVL	RSCLILPGPGILNIYCSLGFKER	N-ter +34.06 Da, K +34.06 Da, C +57.02 Da	24.7	35.4	4	2730.63	-6.64	0.00	F6V339_MOUSE			
NTSIPEAMER	RSPVPGQSGLHKKRR	N-ter +28.03 Da, K +28.03 Da	24.3	47.7	3	1786.17	0.86	0.06	CCD79_MOUSE	E9QPF2_MOUSE	Coiled-coil domain-containing protein 79;	
MKLFQ	RSTPAITLENPDIKYPLR	N-ter +28.03 Da, K +28.03 Da	42.0	58.2	4	2139.33	1.20	0.12	NB5R3_MOUSE	F2Z3V0_MOUSE	NADH-cytochrome b5 reductase 3;	Diaphorase-1;
GHKTPEPVPR	RTEITIVKPQESVLR	N-ter +34.06 Da, K +34.06 Da	20.2	54.9	4	1836.25	-3.64	0.00	SEPT9_MOUSE	A2A6U3_MOUSE	Septin-9;	SL3-3 integration site 1 protein;
PAQSAATLPA	RTLETPAAQMEGFLNR	N-ter +28.03 Da	45.7	48.6	3	1861.04	-0.62	0.06	SPTB2_MOUSE		Spectrin beta chain, brain 1;	Beta-II spectrin;Embryonic liver fodrin;Fodrin beta chain;Spectrin, non-erythroid beta chain 1;
KTVTFRSYSN	RTLPDTVDWR	N-ter +34.06 Da	31.1	51.3	3	1291.78	0.26	0.02	CATS_MOUSE	Q3UD32_MOUSE	Cathepsin S;	
IWHHSFYNEL	RVAPEEHPTLLTEAPLNPKANR	N-ter +34.06 Da, K +34.06 Da	62.9	54.5	4	2520.58	0.65	0.03	ACTS_MOUSE	ACTA_MOUSE	Actin, alpha skeletal muscle;	Alpha-actin-1;
TGSQGQCTQV	RVEFMDDTSR	N-ter +34.06 Da	21.7	54.6	3	1288.70	-0.34	0.03	RS28_MOUSE	D3YVD9_MOUSE	40S ribosomal protein S28;	
NVVGARRSSW	RVISSIEQKTER	N-ter +34.06 Da, K +34.06 Da	31.6	71.3	4	1513.03	-0.09	0.01	1433B_MOUSE	A2A5N1_MOUSE	14-3-3 protein beta/alpha;	Protein kinase C inhibitor protein 1;
LNGKLTGMAF	RVPTPNVSVVDLTCR	N-ter +28.03 Da, C +57.02 Da	39.0	42.2	3	1740.01	-0.43	0.02	G3P_MOUSE	G3PT_MOUSE	Glyceraldehyde-3-phosphate dehydrogenase;	Peptidyl-cysteine S-nitrosylase GAPDH;
FYLKMKGDYY	RYLAEVATGDDKKR	N-ter +34.06 Da, K +34.06 Da	33.6	80.0	4	1723.19	0.83	0.06	1433S_MOUSE		14-3-3 protein sigma;	Stratifin;
VQSGNLALAA	SAAAVDAGMAMAGQSPVLR	N-ter +34.06 Da	57.4	29.7	3	1836.00	-0.94	0.07	PTBP1_MOUSE	Q922I7_MOUSE	Polypyrimidine tract-binding protein 1;	Heterogeneous nuclear ribonucleoprotein I;
EGNDIELVSN	SAALIQQATTVKNKDIR	N-ter +28.03 Da, K +28.03 Da	30.5	63.7	4	1940.27	0.90	0.05	RL9_MOUSE		60S ribosomal protein L9;	
GGGVGGPGAK	SAAQAAAQTNSNAAGKQLR	N-ter +28.03 Da, K +28.03 Da	63.2	69.3	3	1913.14	1.25	0.33	PAIRB_MOUSE		Plasminogen activator inhibitor 1 RNA-binding protein;	PAI1 RNA-binding protein 1;SERPINE1 mRNA-binding protein 1;
YAATVARPST	SAASTVPGYSEDGGALR	N-ter +28.03 Da	39.5	55.9	3	1664.89	0.49	0.03	WIPI1_MOUSE		WD repeat domain phosphoinositide-interacting protein 1;	WD40 repeat protein interacting with phosphoinositides of 49 kDa;
KEALLGRVAV	SADPNVPNVIVTR	N-ter +28.03 Da	33.8	46.4	3	1408.83	0.73	0.04	GDIR1_MOUSE		Rho GDP-dissociation inhibitor 1;	GDI-1;Rho-GDI alpha;
LKAKLRSRNR	SAEEGEVTESKSSQKESSVQR	N-ter +28.03 Da, K +28.03 Da	36.1	118.7	4	2365.44	-0.84	0.15	TB182_MOUSE		182 kDa tankyrase-1-binding protein;	
QDEGAEPMGY	SAELSSEGILDDRNEEKR	N-ter +28.03 Da, K +28.03 Da	58.7	62.5	4	2103.18	0.56	0.02	EZRI_MOUSE		Ezrin;	Cytovillin;Villin-2;p81;
QDEGAEPMGY	SAELSSEGILDDR	N-ter +34.06 Da	47.8	37.8	2	1424.77	0.37	0.04	EZRI_MOUSE		Ezrin;	Cytovillin;Villin-2;p81;
QMAKLRSLFS	SAENEPPVPLVGNWRPPQPVKGR	N-ter +28.03 Da, K +28.03 Da	31.2	73.1	4	2579.59	0.04	0.00	CAH3_MOUSE		Carbonic anhydrase 3;	Carbonate dehydratase III;Carbonic anhydrase III;
DWGAWQKFTA	SAGIQVVGDDLTVTNPKR	N-ter +28.03 Da, K +28.03 Da	19.4	60.6	4	1925.17	2.22	0.15	ENOA_MOUSE	Q6PHC1_MOUSE	Alpha-enolase;	2-phospho-D-glycerate hydro-lyase;Enolase 1;Non-neural enolase;
MATRSCVSRG	SAGSAAAGPVEAAIR	N-ter +28.03 Da	56.5	26.4	2	1354.76	-0.25	0.01	BOLA1_MOUSE		BolA-like protein 1;	
SQMSYGYDEK	SAGVSVPGPMGPSGPR	N-ter +28.03 Da	51.6	56.0	3	1479.83	0.35	0.02	CO1A1_MOUSE	F8WGB7_MOUSE	Collagen alpha-1(I) chain;	Alpha-1 type I collagen;
AKKGGEKKGR	SAINEVVTR	N-ter +34.06 Da	33.7	24.2	2	1021.62	-0.60	0.03	RL31_MOUSE	D3YVU2_MOUSE	60S ribosomal protein L31;	
FKKHYGYSLY	SAIQSDTSGDYR	N-ter +34.06 Da	52.0	44.5	2	1332.70	-1.40	0.15	ANXA3_MOUSE		Annexin A3;	35-alpha calcimedin;Annexin III;Annexin-3;Lipocortin III;Placental anticoagulant protein III;
VLELKYTGNA	SALLILPDQGR	N-ter +34.06 Da	41.6	23.2	2	1215.77	3.47	0.31	SPA3K_MOUSE		Serine protease inhibitor A3K;	Contrapsin;SPI-2;
PSPTLDRKAK	SALPAQSAATLPAR	N-ter +28.03 Da	57.0	29.9	2	1380.81	-0.86	0.06	SPTB2_MOUSE		Spectrin beta chain, brain 1;	Beta-II spectrin;Embryonic liver fodrin;Fodrin beta chain;Spectrin, non-erythroid beta chain 1;
HSKINFRDKR	SALQSINEWASQTTDGKLPEVTKDVER	N-ter +28.03 Da, K +28.03 Da	44.3	94.8	4	3085.89	-2.40	0.50	SERPH_MOUSE		Serpin H1;	47 kDa heat shock protein;Collagen-binding protein;Serine protease inhibitor J6;
VLHIGSAHNR	SAMPFTASPAPSTR	N-ter +34.06 Da	31.1	58.1	3	1453.83	-0.40	0.02	PDLI1_MOUSE		PDZ and LIM domain protein 1;	C-terminal LIM domain protein 1;Elfin;LIM domain protein CLP-36;
RAQDVEPKSF	SAPAAHAYGHETPLR	N-ter +34.06 Da	19.3	98.7	4	1611.00	0.29	0.03	E9Q0S6_MOUSE	E9Q6Y2_MOUSE		
VTLINFWPVD	SAPASSPQLSHDDTHSR	N-ter +28.03 Da	55.3	96.0	4	1820.02	-0.18	0.04	DMD_MOUSE	A2A9Z2_MOUSE	Dystrophin;	
TVLLSIQALL	SAPNPDDPLANDVAEQWKTNEAQAIETAR	N-ter +28.03 Da, K +28.03 Da	55.2	81.0	4	3206.81	1.66	0.14	UBE2N_MOUSE		Ubiquitin-conjugating enzyme E2 N;	Bendless-like ubiquitin-conjugating enzyme;Ubc13;Ubiquitin carrier protein N;Ubiquitin-protein ligase N;
VPRASMCSIR	SAPPKLASLKGVVPEDAVETLAGSLGTR	N-ter +28.03 Da, K +28.03 Da	49.4	76.3	4	2846.83	-0.25	0.03	ICAL_MOUSE	Q921U7_MOUSE	Calpastatin;	Calpain inhibitor;
KSMWEKGSVF	SAPSASGTPNKETAGLKVGVSSR	N-ter +34.06 Da, K +34.06 Da	30.8	62.2	4	2302.48	2.63	0.28	Q8VCQ8_MOUSE	E9Q0M9_MOUSE		
AAAQSTVYAF	SARPLTGGEPVSLGSLR	N-ter +34.06 Da	51.2	62.5	3	1730.10	-0.74	0.04	GPX1_MOUSE		Glutathione peroxidase 1;	Cellular glutathione peroxidase;
SLPVKDLAVD	SASPVYQAVIKTQSKPEDEADEWAR	N-ter +28.03 Da, K +28.03 Da	24.3	50.8	4	2888.60	0.66	0.07	LDB3_MOUSE	E9PYJ9_MOUSE	LIM domain-binding protein 3;	Protein cypher;Protein oracle;Z-band alternatively spliced PDZ-motif protein;
SCLVLAARHA	SASSTNLKDVLSNLIPKEQAR	N-ter +34.06 Da, K +34.06 Da	23.4	98.6	4	2372.65	-2.56	0.90	CISY_MOUSE		Citrate synthase, mitochondrial;	
IKHDPSLQPW	SASYDPGSAKTILNNGKTCR	N-ter +34.06 Da, K +34.06 Da, C +57.02 Da	28.7	65.1	4	2241.37	-1.00	0.08	CAH3_MOUSE		Carbonic anhydrase 3;	Carbonate dehydratase III;Carbonic anhydrase III;
GAYGGLLKDF	SATDLTEFAAR	N-ter +34.06 Da	40.3	61.1	2	1214.71	-0.40	0.02	THIM_MOUSE		3-ketoacyl-CoA thiolase, mitochondrial;	Acetyl-CoA acyltransferase;Beta-ketothiolase;Mitochondrial 3-oxoacyl-CoA thiolase;
M	SATHHKTSLPQGVR	N-ter +34.06 Da, K +34.06 Da	34.1	16.2	3	1585.96	-6.64	0.00	LEG7_MOUSE		Galectin-7;	
QPQGAPEVRR	SATISGSATNLASLTAALAKGDR	N-ter +34.06 Da, K +34.06 Da	44.2	55.7	3	2243.40	0.18	0.01	E9Q4K7_MOUSE			

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SLPAVVVETF	SATVNGAVEGSAGTGR	N-ter +34.06 Da	52.1	60.8	3	1466.84	-0.22	0.01	BIN1_MOUSE	Q6P1B9_MOUSE	Myc box-dependent-interacting protein 1;	Amphiphysin II;Amphiphysin-like protein;Bridging integrator 1;SH3 domain-containing protein 9;
AYSPASWSSR	SAVDLTCSR	N-ter +34.06 Da, C +57.02 Da	30.1	39.0	2	1041.57	-0.15	0.01	PKP3_MOUSE	E0CY75_MOUSE	Plakophilin-3;	
GGSKGPVDTF	SAVLTTQGKASDVLVQGEGR	N-ter +28.03 Da, K +28.03 Da	48.7	47.6	3	2071.23	0.39	0.06	MAST4_MOUSE	E9QPR4_MOUSE	Microtubule-associated serine/threonine-protein kinase 4;	
MAGR	SAVSASSKWLDGFR	N-ter +34.06 Da, K +34.06 Da	34.9	23.7	3	1577.92	-1.94	0.22	QCR7_MOUSE	Q9CQB4_MOUSE	Cytochrome b-c1 complex subunit 7;	Complex III subunit 7;Complex III subunit VII;Ubiquinol-cytochrome c reductase complex 14 kDa protein;
EADPSNFANF	SAYPSEEDMIEWAKR	N-ter +34.06 Da, K +34.06 Da	30.3	77.2	3	1879.09	-2.74	0.37	EPS15_MOUSE		Epidermal growth factor receptor substrate 15;	Protein AF-1p;
GTRKPVKDFA	SCHLAQAPNHVVVSR	N-ter +34.06 Da, C +57.02 Da	54.6	87.3	4	1708.05	0.56	0.05	TRFE_MOUSE	E9Q035_MOUSE	Serotransferrin;	Beta-1 metal-binding globulin;Siderophilin;
TESTVKTTVF	SCNLGEKFDETTADGR	N-ter +34.06 Da, K +34.06 Da, C +57.02 Da	42.6	75.5	3	1867.05	-1.60	0.39	FABP5_MOUSE	E9Q964_MOUSE	Fatty acid-binding protein, epidermal;	Epidermal-type fatty acid-binding protein;Fatty acid-binding protein 5;Keratinocyte lipid-binding protein;Psoriasis-associated fatty acid-binding protein homolog;
TSSGTSTTHR	SCSKTITKTVTGPDGR	N-ter +28.03 Da, K +28.03 Da, C +57.02 Da	21.1	89.1	4	1791.12	0.07	0.01	Q99K47_MOUSE	E9PV24_MOUSE		
AIGIDLGTTY	SCVGVFQHGKVEIIANDQGNR	N-ter +34.06 Da, K +34.06 Da, C +57.02 Da	57.8	63.1	4	2395.42	-1.47	0.12	HS71A_MOUSE	HS71B_MOUSE	Heat shock 70 kDa protein 1A;	Heat shock 70 kDa protein 3;Hsp68;
GTVTHLCRQY	SDAPPLTLDGIKDR	N-ter +34.06 Da, K +34.06 Da	46.9	46.7	3	1564.98	0.04	0.00	ACPM_MOUSE	F8WJ64_MOUSE	Acyl carrier protein, mitochondrial;	CI-SDAP;NADH-ubiquinone oxidoreductase 9.6 kDa subunit;
LTSQETLFGG	SDCTGNFCLFKSTTKDLLFR	N-ter +34.06 Da, K +34.06 Da, C +57.02 Da	22.6	111.5	4	2511.62	-2.18	0.20	TRFE_MOUSE	E9Q035_MOUSE	Serotransferrin;	Beta-1 metal-binding globulin;Siderophilin;
KIIRLCRERP	SDECGAGVFMGSHFDR	N-ter +34.06 Da, C +57.02 Da	66.9	49.0	3	1804.86	-0.43	0.05	RS27A_MOUSE		Ubiquitin-40S ribosomal protein S27a;	Ubiquitin carboxyl extension protein 80;
ESQASDSEGH	SDFSEGQAVGAHR	N-ter +28.03 Da	47.7	87.8	3	1387.77	0.57	0.03	E9Q019_MOUSE	FILA_MOUSE		
SVVGFFRDLF	SDGHSEFLKAASNLR	N-ter +28.03 Da, K +28.03 Da	21.8	57.4	4	1686.97	-0.04	0.00	PDIA3_MOUSE		Protein disulfide-isomerase A3;	58 kDa glucose-regulated protein;58 kDa microsomal protein;Disulfide isomerase ER-60;Endoplasmic reticulum resident protein 57;Endoplasmic reticulum resident protein 60;
KAGTEETILY	SDIDLKKLAEIR	N-ter +34.06 Da, K +34.06 Da	11.2	67.0	4	1502.09	-0.97	0.08	NIT2_MOUSE		Omega-amidase NIT2;	Nitrilase homolog 2;
DSGPPVFAPL	SDISEDQPQEPPR	N-ter +34.06 Da	26.4	32.4	3	1530.79	0.10	0.01	PKHO2_MOUSE		Pleckstrin homology domain-containing family O member 2;	Pleckstrin homology domain-containing family Q member 1;
GLTGNFAAQY	SDKGVSSGPGPMGLMGPR	N-ter +28.03 Da, K +28.03 Da	55.2	47.5	3	1784.98	0.00	0.00	CO1A2_MOUSE	E0CXI2_MOUSE	Collagen alpha-2(I) chain;	Alpha-2 type I collagen;
AVALHSAVSA	SDLELHPPSYPWSHR	N-ter +34.06 Da	30.7	102.9	4	1854.12	0.33	0.01	CY1_MOUSE		Cytochrome c1, heme protein, mitochondrial;	Complex III subunit 4;Complex III subunit IV;Cytochrome b-c1 complex subunit 4;Ubiquinol-cytochrome-c reductase complex cytochrome c1 subunit;
SKKSTDHPKY	SDMIVAAIQAEKNR	N-ter +34.06 Da, K +34.06 Da	63.5	64.5	3	1613.03	-0.07	0.01	H10_MOUSE		Histone H1.0;	Histone H1';Histone H1(0);MyD196;
KKSKENPRNF	SDNQLQEGKNVIGLQMGTNR	N-ter +34.06 Da, K +34.06 Da	45.3	78.6	4	2269.39	1.55	0.12	TAGL2_MOUSE		Transgelin-2;	SM22-beta;
TKQTQTFTTY	SDNQPGVLIQVYEGER	N-ter +34.06 Da	56.2	33.2	3	1837.00	-1.52	0.09	HS71A_MOUSE	HS71B_MOUSE	Heat shock 70 kDa protein 1A;	Heat shock 70 kDa protein 3;Hsp68;
NVREATESFA	SDPILYRPVAVALDTKGPEIR	N-ter +34.06 Da, K +34.06 Da	23.3	51.9	4	2377.52	0.19	0.02	KPYM_MOUSE		Pyruvate kinase isozymes M1/M2;	Pyruvate kinase muscle isozyme;
LSASKSNLVI	SDPIPGAKPLPVPPELAPFVGR	N-ter +34.06 Da, K +34.06 Da	34.2	37.8	3	2321.47	0.60	0.06	BAIP2_MOUSE	B1AZ46_MOUSE	Brain-specific angiogenesis inhibitor 1-associated protein 2;	Insulin receptor substrate protein of 53 kDa;Insulin receptor tyrosine kinase 53 kDa substrate;
SGGGLLVDVF	SDSASAVAPLAPGSEDNFAR	N-ter +28.03 Da	49.6	43.2	3	1989.03	0.08	0.01	AP2A2_MOUSE		AP-2 complex subunit alpha-2;	100 kDa coated vesicle protein C;Adapter-related protein complex 2 alpha-2 subunit;Adaptor protein complex AP-2 subunit alpha-2;Alpha-adaptin C;Alpha2-adaptin;Clathrin assembly protein complex 2 alpha-C large chain;Plasma membrane adaptor HA2/AP2 adaptin alpha C subunit;
GPGPRTEEKI	SDSEGFKANLSLLR	N-ter +34.06 Da, K +34.06 Da	24.0	61.3	3	1604.02	0.08	0.01	SFPQ_MOUSE		Splicing factor, proline- and glutamine-rich;	DNA-binding p52/p100 complex, 100 kDa subunit;Polypyrimidine tract-binding protein-associated-splicing factor;
LQTRGFVSDS	SDSMDTGAGSIR	N-ter +34.06 Da	41.4	52.4	2	1229.64	0.82	0.05	ATIF1_MOUSE	Q9D879_MOUSE	ATPase inhibitor, mitochondrial;	Inhibitor of F(1)F(o)-ATPase;
RPRQPSPSQS	SDSQVHSGVQVEAQR	N-ter +28.03 Da	57.4	75.4	3	1653.93	0.67	0.09	F6TL02_MOUSE	FILA_MOUSE		
RPRQPSPSQS	SDSQVHSGVQVEGR	N-ter +28.03 Da	45.3	83.0	3	1511.86	1.98	0.31	E9Q019_MOUSE	FILA_MOUSE		
MKVLQTRGFV	SDSSDSMDTGAGSIR	N-ter +34.06 Da	42.3	69.5	3	1518.77	0.56	0.06	ATIF1_MOUSE	Q9D879_MOUSE	ATPase inhibitor, mitochondrial;	Inhibitor of F(1)F(o)-ATPase;
KTPQGPPEIY	SDTQFPSLQSTAKHVESR	N-ter +28.03 Da, K +28.03 Da	36.6	70.3	4	2073.19	0.30	0.01	CDV3_MOUSE	F8WGL9_MOUSE	Protein CDV3;	Carnitine deficiency-associated protein 3;Tyrosine-phosphorylated protein 36;
A	SDVLELTDENFESR	N-ter +28.03 Da	57.8	43.6	2	1680.86	-0.04	0.00	PDIA3_MOUSE	F6Q404_MOUSE	Protein disulfide-isomerase A3;	58 kDa glucose-regulated protein;58 kDa microsomal protein;Disulfide isomerase ER-60;Endoplasmic reticulum resident protein 57;Endoplasmic reticulum resident protein 60;
GNDISSGTVL	SDYVGSGPPSGTGLHR	N-ter +34.06 Da	41.7	57.0	3	1619.90	-0.49	0.03	PEBP1_MOUSE		Phosphatidylethanolamine-binding protein 1;	HCNPpp;

Non Prime Site	Prime Site	Modifications	Hyperscore	Mass error in ppm	Charge	Precursor neutral mass in Da	Fold change (log_2) of ASAPRatio	FC-error of ASAPRatio	Uniprot ID 1	Uniprot ID 2	Protein Name 1	Protein Name 2
RILGGVISAI	SEAAAQYNPEPPPPR	N-ter +34.06 Da	34.8	55.5	3	1656.92	0.25	0.01	CPNS1_MOUSE	D3YW48_MOUSE	Calpain small subunit 1;	Calcium-activated neutral proteinase small subunit;Calcium-dependent protease small subunit;Calcium-dependent protease small subunit 1;Calpain regulatory subunit;
GNIDDALQCY	SEAIKLDPQNHVLYSNR	N-ter +34.06 Da, K +34.06 Da	28.6	64.0	4	2051.28	-0.67	0.03	STIP1_MOUSE		Stress-induced-phosphoprotein 1;	Hsc70/Hsp90-organizing protein;
RNCDSDATKA	SEDFVDPWTVR	N-ter +28.03 Da	32.8	60.7	2	1377.74	-0.15	0.01	SYWC_MOUSE		Tryptophan--tRNA ligase, cytoplasmic;	Tryptophanyl-tRNA synthetase;
IDQDLSQNPF	SEDKTDKGIYVTR	N-ter +28.03 Da, K +28.03 Da	20.7	94.1	4	1595.01	-0.79	0.05	TX1B3_MOUSE		Tax1-binding protein 3;	Tax interaction protein 1;
FCPEEYVSPN	SEDVGVEGPKGDPGPQGPR	N-ter +28.03 Da, K +28.03 Da	29.7	68.4	3	1933.09	0.54	0.09	CO1A1_MOUSE	F8WGB7_MOUSE	Collagen alpha-1(I) chain;	Alpha-1 type I collagen;
QVEEYIADLY	SEEPGEEEPAWVQTER	N-ter +34.06 Da	42.9	64.8	3	1906.00	-0.79	0.07	RCN3_MOUSE	D3Z7T1_MOUSE	Reticulocalbin-3;	
RPANPNWGVF	SEFGDSSSPATR	N-ter +34.06 Da	45.0	47.6	2	1273.66	1.26	0.13	Q99K47_MOUSE	E9PV24_MOUSE		
PTKETGWASF	SEFTSSLSTKESLR	N-ter +28.03 Da, K +28.03 Da	32.5	54.0	3	1626.93	-0.86	0.08	PP6R3_MOUSE		Serine/threonine-protein phosphatase 6 regulatory subunit 3;	SAPS domain family member 3;
VTGAEARALG	SEGEAAATEVDLER	N-ter +34.06 Da	32.7	56.1	3	1509.82	-0.47	0.03	SLK_MOUSE		STE20-like serine/threonine-protein kinase;	Etk4;STE20-related kinase SMAK;STE20-related serine/threonine-protein kinase;Serine/threonine-protein kinase 2;
RGVSESQASD	SEGHSDFSEGQAVGAHR	N-ter +28.03 Da	35.1	98.7	4	1797.98	1.50	0.18	E9Q019_MOUSE	FILA_MOUSE		
GHLESCDTTA	SEGLHLSLAQR	N-ter +28.03 Da	31.7	54.3	3	1237.75	0.89	0.02	SEPP1_MOUSE		Selenoprotein P;	Plasma selenoprotein P;
AVECHRGECQ	SEGVLFFQGNR	N-ter +28.03 Da	41.7	37.7	2	1280.70	0.98	0.06	HEMO_MOUSE		Hemopexin;	
VCLLHEKTPV	SEHVTKCCSGSLVER	N-ter +34.06 Da, K +34.06 Da, C +57.02 Da	29.2	101.1	4	1816.11	0.00	0.00	ALBU_MOUSE		Serum albumin;	
PSSSGAATTV	SEKPGPKAAEVGDDFLGDFVVGER	N-ter +34.06 Da, K +34.06 Da	43.3	97.3	4	2620.68	-2.74	0.18	CLIP2_MOUSE		CAP-Gly domain-containing linker protein 2;	Cytoplasmic linker protein 115;Cytoplasmic linker protein 2;
ETFHARLASL	SEKPPAIDWAYYR	N-ter +28.03 Da, K +28.03 Da	24.6	96.5	3	1651.00	-0.03	0.00	ATP5H_MOUSE	B1ASE2_MOUSE	ATP synthase subunit d, mitochondrial;	
ETVAQQKTLV	SEKTPVSEKTPVPAKR	N-ter +28.03 Da, K +28.03 Da	21.6	95.8	4	1865.28	1.28	0.14	LAD1_MOUSE		Ladinin-1;	Linear IgA disease antigen homolog;
RRDHVLGLAR	SELEEDIIPEEDIISR	N-ter +34.06 Da	37.1	50.8	3	1920.08	1.71	0.12	CO3_MOUSE		Complement C3;	HSE-MSF;
KPPAKGPAKN	SEPEEVIPSR	N-ter +34.06 Da	38.8	34.9	2	1175.67	0.78	0.03	SYYC_MOUSE	A2A7S7_MOUSE	Tyrosine--tRNA ligase, cytoplasmic;	Tyrosyl-tRNA synthetase;
KRHPYKMNLA	SEPQEVLHIGSAHNR	N-ter +28.03 Da	32.8	92.1	4	1701.02	0.08	0.01	PDLI1_MOUSE		PDZ and LIM domain protein 1;	C-terminal LIM domain protein 1;Elfin;LIM domain protein CLP-36;
SSQPNLSTSY	SEQEYGKAGGSPASYHGSTSPR	N-ter +28.03 Da, K +28.03 Da	49.2	78.8	4	2308.25	-0.20	0.04	EPN2_MOUSE	Q5NCM6_MOUSE	Epsin-2;	EPS-15-interacting protein 2;Intersectin-EH-binding protein 2;
PRQPTVTSVC	SESAQELAEGQR	N-ter +28.03 Da	37.9	57.5	3	1331.71	0.12	0.01	PDLI5_MOUSE	E9Q8P5_MOUSE	PDZ and LIM domain protein 5;	Enigma homolog;Enigma-like PDZ and LIM domains protein;
SPLRSPPLLG	SESPYEDFLSADSKVLGR	N-ter +28.03 Da, K +28.03 Da	43.1	70.5	3	2055.16	-0.84	0.09	MAP1B_MOUSE		Microtubule-associated protein 1B;	MAP1(X);MAP1.2;
SADRQGRRGV	SESQASDSEGHSDFSEGQAVGAHR	N-ter +28.03 Da	51.4	78.8	4	2502.26	1.01	0.23	E9Q019_MOUSE	F7BVV1_MOUSE		
MEKLKSGMRF	SEVATQYSEDKAR	N-ter +28.03 Da, K +28.03 Da	51.4	92.4	3	1538.90	1.07	0.12	PIN4_MOUSE		Peptidyl-prolyl cis-trans isomerase NIMA-interacting 4;	Parvulin-14;Peptidyl-prolyl cis-trans isomerase Pin4;Rotamase Pin4;
MTTLFCINVL	SEVCGQDITTKHMLPTVLR	N-ter +34.06 Da, K +34.06 Da, C +57.02 Da	56.6	63.1	4	2252.37	0.88	0.09	2AAA_MOUSE		Serine/threonine-protein phosphatase 2A 65 kDa regulatory subunit A alpha isoform;	PP2A subunit A isoform PR65-alpha;PP2A subunit A isoform R1-alpha;
LLLLSGDAHS	SEVPGAAAEGPGGSGVGLGDR	N-ter +34.06 Da	55.9	43.0	3	1873.02	0.43	0.02	CO024_MOUSE		UPF0480 protein C15orf24 homolog;	
WTHEVFSSRS	SEVVLSGDDEDYQR	N-ter +28.03 Da	39.8	63.3	3	1638.84	-0.81	0.07	E9Q616_MOUSE			
NAINLPLSPI	SFELDPEDTLLEENEVR	N-ter +34.06 Da	40.6	67.1	3	2068.14	-2.32	0.58	PARVA_MOUSE	Q3UF75_MOUSE	Alpha-parvin;	Actopaxin;
QLRKLFIGGL	SFETTDDSLR	N-ter +28.03 Da	29.7	39.8	2	1197.60	-2.56	0.15	ROA3_MOUSE	A2AL12_MOUSE	Heterogeneous nuclear ribonucleoprotein A3;	
ERDRITALKR	SFEVEEIEPPNSTPPR	N-ter +34.06 Da	40.1	48.7	3	1861.02	0.42	0.01	SEPT9_MOUSE	A2A6U3_MOUSE	Septin-9;	SL3-3 integration site 1 protein;
GISLPQVELA	SFGEAGPEIVAPSAEGTAGSR	N-ter +34.06 Da	47.6	46.3	3	2023.10	1.36	0.06	PRAX_MOUSE	Q6NVF7_MOUSE	Periaxin;	
ILSADSTSVG	SFPSVVSSDQGPR	N-ter +34.06 Da	27.2	60.1	3	1395.80	-0.23	0.01	E9Q0S6_MOUSE	E9Q6Y2_MOUSE		
ISSKAMGIMN	SFVNDIFER	N-ter +34.06 Da	27.6	39.8	2	1159.65	-0.92	0.04	H2B1B_MOUSE	H2B1C_MOUSE	Histone H2B type 1-B;	h2B-143;
VANAGTLSVI	SFVVLLASYVVILFHLR	N-ter +28.03 Da	19.3	33.4	4	2003.26	2.58	0.22	Q8VEZ3_MOUSE	D3Z4B7_MOUSE		
YDPGALVIPF	SGALELKLQELSAEER	N-ter +34.06 Da, K +34.06 Da	28.2	64.9	3	1840.18	-0.40	0.02	OLA1_MOUSE		Obg-like ATPase 1;	GTP-binding protein 9;
RNLHQSGFSL	SGAQIDDNIPR	N-ter +34.06 Da	25.9	95.6	3	1218.76	-0.81	0.03	DPYL2_MOUSE		Dihydropyrimidinase-related protein 2;	Unc-33-like phosphoprotein 2;
GEGLIGKLNF	SGDAEDKADEAQEPLER	N-ter +34.06 Da, K +34.06 Da	40.8	72.7	3	1927.09	-0.12	0.01	RNH2C_MOUSE	F6ZDT4_MOUSE	Ribonuclease H2 subunit C;	Ribonuclease HI subunit C;
ANFSQSCTLY	SGDDLVEALPKPCPGCPR	N-ter +28.03 Da, K +28.03 Da, C +57.02 Da	45.8	77.3	3	2023.14	-1.84	0.13	KNG1_MOUSE	D3YTY9_MOUSE	Kininogen-1;	
NIDIRSAFKR	SGEGQEDAGELDFSGLLKR	N-ter +34.06 Da, K +34.06 Da	58.6	67.3	3	2075.22	-6.64	0.00	D3YU50_MOUSE	Q6P6L5_MOUSE		
VLDGADCIML	SGETAKGDYPLEAVR	N-ter +28.03 Da, K +28.03 Da	39.8	59.5	3	1647.94	0.37	0.03	KPYM_MOUSE		Pyruvate kinase isozymes M1/M2;	Pyruvate kinase muscle isozyme;
KVFHILDKDK	SGFIEEDELGSILKGFSSDAR	N-ter +34.06 Da, K +34.06 Da	53.7	60.5	3	2324.36	-0.76	0.13	PRVA_MOUSE		Parvalbumin alpha;	
VTLHIVERPY	SGFPDASSEGPEPTQGEAR	N-ter +28.03 Da	41.6	53.7	3	1945.97	-0.92	0.04	PTRF_MOUSE	Q3U4N4_MOUSE	Polymerase I and transcript release factor;	Cav-p60;Cavin-1;
QAPPVRNLHQ	SGFSLSGAQIDDNIPR	N-ter +34.06 Da	43.7	45.8	3	1709.96	2.87	0.20	DPYL2_MOUSE		Dihydropyrimidinase-related protein 2;	Unc-33-like phosphoprotein 2;
RGAAVTRSMA	SGGGVPTDEEQATGLER	N-ter +28.03 Da	52.2	58.7	3	1729.91	0.01	0.00	COX5B_MOUSE	Q9D881_MOUSE	Cytochrome c oxidase subunit 5B, mitochondrial;	Cytochrome c oxidase polypeptide Vb;
IREYKSKRQA	SGGPVDIGPEYQQDLDR	N-ter +34.06 Da	44.8	49.3	3	1879.01	0.49	0.03	ATP5J_MOUSE	E9QAD6_MOUSE	ATP synthase-coupling factor 6, mitochondrial;	
GRTTVVMTPR	SGGSKDNLSPPLGQCLTER	N-ter +28.03 Da, K +28.03 Da, C +57.02 Da	37.5	38.9	3	2071.12	0.23	0.02	THRB_MOUSE		Prothrombin;	Coagulation factor II;
AIMARIAQFL	SGIPETVPLSTVNR	N-ter +28.03 Da	30.9	43.9	3	1496.89	0.20	0.01	THIKA_MOUSE	THIKB_MOUSE	3-ketoacyl-CoA thiolase A, peroxisomal;	Acetyl-CoA acyltransferase A;Beta-ketothiolase A;Peroxisomal 3-oxoacyl-CoA thiolase A;
GLSDPNLTLS	SGKDGQCPLVVEQVR	N-ter +28.03 Da, K +28.03 Da, C +57.02 Da	43.7	68.0	3	1727.02	-0.54	0.05	LRC47_MOUSE	F6YT33_MOUSE	Leucine-rich repeat-containing protein 47;	
VSVERALADE	SGLDTYSLSGGGGVPVLVR	N-ter +28.03 Da	46.7	44.7	3	1861.08	0.60	0.04	A2BFA6_MOUSE			
ETTALVCDNG	SGLVKAGFAGDDAPR	N-ter +34.06 Da, K +34.06 Da	32.7	66.2	3	1527.97	0.87	0.09	ACTC_MOUSE	ACTS_MOUSE	Actin, alpha cardiac muscle 1;	Alpha-cardiac actin;
GKTVIRLPSG	SGPASPTTGSAVDIR	N-ter +34.06 Da	51.7	27.4	2	1448.81	1.77	0.11	E9Q616_MOUSE			

Non Prime Site	Prime Site	Modifications	Hyperscore	Mass error in ppm	Charge	Precursor neutral mass in Da	Fold change (log_2) of ASAPRatio	FC-error of ASAPRatio	Uniprot ID 1	Uniprot ID 2	Protein Name 1	Protein Name 2
MLSVAAR	SGPFAPVLSATSR	N-ter +28.03 Da	40.7	33.4	2	1316.75	0.59	0.01	UCRI_MOUSE		Cytochrome b-c1 complex subunit Rieske, mitochondrial;	Complex III subunit 5;Cytochrome b-c1 complex subunit 5;Rieske iron-sulfur protein;Ubiquinol-cytochrome c reductase iron-sulfur subunit;
AAQYSDKGVS	SGPGPMGLMGPR	N-ter +28.03 Da	38.7	52.6	2	1183.65	1.82	0.17	CO1A2_MOUSE	E0CXI2_MOUSE	Collagen alpha-2(I) chain;	Alpha-2 type I collagen;
SLSKERHQCT	SGPIVTLQGNDKSTSPDPDWSSQLER	N-ter +34.06 Da, K +34.06 Da	35.8	68.8	4	2881.67	-0.30	0.03	SYNP2_MOUSE	D3YVV9_MOUSE	Synaptopodin-2;	Myopodin;
TGAAAGKRKA	SGPPVSELITKAVAASKER	N-ter +34.06 Da, K +34.06 Da	23.2	26.6	4	2041.32	-0.92	0.05	H12_MOUSE	H13_MOUSE	Histone H1.2;	H1 VAR.1;H1c;
PSGPVGKDGR	SGQPGPVGPAGVR	N-ter +34.06 Da	40.1	49.3	3	1211.74	0.36	0.02	CO1A2_MOUSE	E9Q6U9_MOUSE	Collagen alpha-2(I) chain;	Alpha-2 type I collagen;
MYTPIPQ	SGSPFPASVQDPGLHIWR	N-ter +34.06 Da	55.0	82.1	3	1984.20	-2.64	0.66	CAPG_MOUSE	Q99LB4_MOUSE	Macrophage-capping protein;	Actin regulatory protein CAP-G;Actin-capping protein GCAP39;Myc basic motif homolog 1;
LTSFGTEASN	SGTLSQSNAVGSAFTQDTR	N-ter +28.03 Da	46.2	74.2	3	1954.08	0.21	0.01	LS14A_MOUSE	A2BH69_MOUSE	Protein LSM14 homolog A;	Protein FAM61A;RNA-associated protein 55A;
HVVPDQLMTF	SGTNDPCALCSLHSIGKIGGAQNR	N-ter +28.03 Da, K +28.03 Da, C +57.02 Da	49.9	71.6	4	2568.44	-1.22	0.11	MIF_MOUSE		Macrophage migration inhibitory factor;	Delayed early response protein 6;Glycosylation-inhibiting factor;L-dopachrome isomerase;L-dopachrome tautomerase;Phenylpyruvate tautomerase;
ASSREGSPAR	SGTPVHCPSPIR	N-ter +34.06 Da, C +57.02 Da	42.8	66.5	3	1340.80	-0.58	0.01	BAG3_MOUSE		BAG family molecular chaperone regulator 3;	Bcl-2-associated athanogene 3;Bcl-2-binding protein Bis;
DDWATWTSFL	SGVDIQIVGDDLTVTNPKR	N-ter +28.03 Da, K +28.03 Da	65.9	69.1	3	2082.28	0.91	0.08	ENOB_MOUSE		Beta-enolase;	2-phospho-D-glycerate hydro-lyase;Enolase 3;Muscle-specific enolase;Skeletal muscle enolase;
ERHVAHGPLK	SGVGPSQPTTVGTECGFVSR	N-ter +34.06 Da, C +57.02 Da	45.8	52.7	3	2056.12	-0.30	0.02	F7CK47_MOUSE		Microtubule-associated protein;	
QGPPAPPNPF	SHLLEGELEEEYTKTIER	N-ter +34.06 Da, K +34.06 Da	48.7	109.3	4	2114.38	0.77	0.06	ADDG_MOUSE		Gamma-adducin;	Adducin-like protein 70;
GLNVPASVRF	SHTDVKVPDFSDYR	N-ter +28.03 Da, K +28.03 Da	35.1	49.7	4	1720.93	-0.03	0.00	UCRI_MOUSE		Cytochrome b-c1 complex subunit Rieske, mitochondrial;	Complex III subunit 5;Cytochrome b-c1 complex subunit 5;Rieske iron-sulfur protein;Ubiquinol-cytochrome c reductase iron-sulfur subunit;
KKKKKQGEDN	SHTQDTEDLEKDTR	N-ter +28.03 Da, K +28.03 Da	26.8	104.3	4	1729.99	0.03	0.01	LYRIC_MOUSE	F6ZSG0_MOUSE	Protein LYRIC;	3D3/LYRIC;Lysine-rich CEACAM1 co-isolated protein;Metadherin;Metastasis adhesion protein;
RSTCHNQNSM	SICEEFSQQADDKGCFR	N-ter +28.03 Da, K +28.03 Da, C +57.02 Da	48.7	74.5	3	2132.09	1.42	0.19	A2M_MOUSE	D3YW52_MOUSE	Alpha-2-macroglobulin;	Pregnancy zone protein;
ASTSQSSRAA	SIFGGAKPVDTAAR	N-ter +28.03 Da, K +28.03 Da	28.9	72.0	3	1444.91	-0.30	0.02	IF4B_MOUSE	Q3TDD8_MOUSE	Eukaryotic translation initiation factor 4B;	
GLILPGILAK	SIGTLSDPCKDPTR	N-ter +28.03 Da, K +28.03 Da, C +57.02 Da	26.7	71.9	3	1601.92	0.42	0.06	CDSN_MOUSE		Corneodesmosin;	
SGFIEEDELG	SILKGFSSDAR	N-ter +28.03 Da, K +28.03 Da	23.7	56.4	3	1235.76	0.95	0.11	PRVA_MOUSE		Parvalbumin alpha;	
NFRDKRSALQ	SINEWASQTTDGKLPEVTKDVER	N-ter +28.03 Da, K +28.03 Da	34.2	73.8	4	2686.58	-1.18	0.14	SERPH_MOUSE		Serpin H1;	47 kDa heat shock protein;Collagen-binding protein;Serine protease inhibitor J6;
LQTRFPLDYY	SIPFPTPTTPLTGR	N-ter +34.06 Da	29.6	42.2	3	1517.93	2.06	0.08	UBP2L_MOUSE	E9PZA1_MOUSE	Ubiquitin-associated protein 2-like;	
SQMEFSISSL	SIQEPSAATVTSDAR	N-ter +28.03 Da	43.7	53.0	3	1559.86	0.93	0.03	CA198_MOUSE		Uncharacterized protein C1orf198 homolog;	
NRIIAAKDHA	SIQMNVAEVDR	N-ter +28.03 Da	40.7	60.0	2	1288.72	-0.62	0.03	RS21_MOUSE		40S ribosomal protein S21;	
RTSPVPRQKR	SIVVSPILIPENQR	N-ter +28.03 Da	38.8	50.2	3	1592.01	0.36	0.06	CAD13_MOUSE		Cadherin-13;	Heart cadherin;Truncated cadherin;
IHQVQYQEMD	SKADDLDLLKSSGVIQR	N-ter +28.03 Da, K +28.03 Da	48.5	53.7	4	1928.20	1.04	0.07	C163A_MOUSE		Scavenger receptor cysteine-rich type 1 protein M130;	
SEAGPAGAGE	SKCPLMVKVLDAVR	N-ter +28.03 Da, K +28.03 Da, C +57.02 Da	28.4	70.8	4	1699.11	1.31	0.04	TTHY_MOUSE		Transthyretin;	Prealbumin;
NRPPLAAGAN	SKGPPDFSSDEEREPTPVLGSGASVGR	N-ter +28.03 Da, K +28.03 Da	61.8	62.3	4	2813.56	1.18	0.04	LAP2A_MOUSE	LAP2B_MOUSE	Lamina-associated polypeptide 2, isoforms alpha/zeta;	Thymopoietin isoforms alpha/zeta;
PFPATHYSTL	SKPAPLTGTLEVR	N-ter +34.06 Da, K +34.06 Da	21.2	56.6	3	1435.99	-0.49	0.04	PKN1_MOUSE	D6RH37_MOUSE	Serine/threonine-protein kinase N1;	Protein kinase C-like 1;Protein kinase C-like PKN;Protein-kinase C-related kinase 1;Serine-threonine protein kinase N;
PVYQAVIKTQ	SKPEDEADEWAR	N-ter +34.06 Da, K +34.06 Da	31.0	44.6	3	1499.82	-1.94	0.22	LDB3_MOUSE	E9PYJ9_MOUSE	LIM domain-binding protein 3;	Protein cypher;Protein oracle;Z-band alternatively spliced PDZ-motif protein;
ERSPLQSLAR	SKPSPQLSAETPVAALPEFPR	N-ter +34.06 Da, K +34.06 Da	37.7	57.9	4	2289.43	1.78	0.24	E9Q0S6_MOUSE			
LWSLVATLLG	SKWPEPVFGR	N-ter +28.03 Da, K +28.03 Da	32.7	61.8	3	1257.76	0.07	0.00	MASP2_MOUSE		Mannan-binding lectin serine protease 2;	MBL-associated serine protease 2;Mannose-binding protein-associated serine protease 2;
VRLLQDSVDF	SLADAINTEFKNTR	N-ter +34.06 Da, K +34.06 Da	29.0	59.6	3	1647.03	-2.64	0.33	VIME_MOUSE	A2AKJ2_MOUSE	Vimentin;	
ISRRLVDSDG	SLAEVPKEAPKVGILGSGDFAR	N-ter +28.03 Da, K +28.03 Da	24.4	76.9	4	2324.49	-0.15	0.01	STEA3_MOUSE	E9QN92_MOUSE	Metalloreductase STEAP3;	Dudulin-2;Protein nm1054;Six-transmembrane epithelial antigen of prostate 3;Tumor suppressor-activated pathway protein 6;
MVRY	SLDPENPTKSCKSR	N-ter +34.06 Da, K +34.06 Da, C +57.02 Da	25.0	95.9	4	1720.13	-0.30	0.02	RL17_MOUSE	Q6ZWZ7_MOUSE	60S ribosomal protein L17;	
STVHEILCKL	SLEGDHSTPPSAYGSVKPYTNFDAER	N-ter +28.03 Da, K +28.03 Da	32.4	59.1	4	2880.53	0.18	0.01	ANXA2_MOUSE	B0V2N7_MOUSE	Annexin A2;	Annexin II;Annexin-2;Calpactin I heavy chain;Calpactin-1 heavy chain;Chromobindin-8;Lipocortin II;Placental anticoagulant protein IV;Protein I;p36;

Non Prime Site	Prime Site	Modifications	Hyperscore	Mass error in ppm	Charge	Precursor neutral mass in Da	Fold change (log_2) of ASAPRatio	FC-error of ASAPRatio	Uniprot ID 1	Uniprot ID 2	Protein Name 1	Protein Name 2
LRPPGGGSNF	SLGFDEPAEQPVR	N-ter +28.03 Da	45.9	38.1	3	1471.79	1.69	0.16	HN1_MOUSE		Hematological and neurological expressed 1 protein;	
FEHRLGEAAR	SLGNAGNEIGR	N-ter +28.03 Da	43.7	55.4	2	1114.63	-4.06	0.00	DMKN_MOUSE	E9QLW7_MOUSE	Dermokine;	Epidermis-specific secreted protein SK30/SK89;
WYSERVLTEI	SLGSLLILVVIR	N-ter +28.03 Da	13.6	71.7	3	1309.96	4.39	0.18	DYM_MOUSE		Dymeclin;	
RPEPQQVGTV	SLHLGVTPSVLR	N-ter +28.03 Da	30.2	52.7	3	1305.85	0.71	0.07	TPP1_MOUSE		Tripeptidyl-peptidase 1;	Lysosomal pepstatin-insensitive protease;Tripeptidyl aminopeptidase;Tripeptidyl-peptidase I;
SCRNDPCALC	SLHSIGKIGGAQNR	N-ter +34.06 Da, K +34.06 Da	21.4	76.8	4	1505.03	0.57	0.04	MIF_MOUSE		Macrophage migration inhibitory factor;	Delayed early response protein 6;Glycosylation-inhibiting factor;L-dopachrome isomerase;L-dopachrome tautomerase;Phenylpyruvate tautomerase;
ADESAANCDK	SLHTLFGDKLCAIPNLR	N-ter +34.06 Da, K +34.06 Da, C +57.02 Da	36.8	90.6	4	2022.36	0.11	0.01	ALBU_MOUSE		Serum albumin;	
SIRSAPPKLA	SLKGVVPEDAVETLAGSLGTR	N-ter +28.03 Da, K +28.03 Da	47.9	61.4	3	2154.32	-0.23	0.04	ICAL_MOUSE	Q921U7_MOUSE	Calpastatin;	Calpain inhibitor;
DVDGFLVGGA	SLKPEFVDIINAK	N-ter +28.03 Da, K +28.03 Da	51.0	75.2	3	1685.10	1.16	0.10	TPIS_MOUSE		Triosephosphate isomerase;	Triose-phosphate isomerase;
AMKANTMSNY	SLLPASLLDHR	N-ter +34.06 Da	34.4	88.4	3	1254.86	-1.22	0.11	ST2B1_MOUSE	E9QKC1_MOUSE	Sulfotransferase family cytosolic 2B member 1;	Alcohol sulfotransferase;Hydroxysteroid sulfotransferase 2;
QLIGIQDGYL	SLLQDSGEVR	N-ter +28.03 Da	34.5	35.2	2	1130.63	0.70	0.03	IF5A1_MOUSE		Eukaryotic translation initiation factor 5A-1;	Eukaryotic initiation factor 5A isoform 1;eIF-4D;
KDYEVDATLK	SLNNQIETLLTPEGSR	N-ter +34.06 Da	59.5	37.1	3	1805.04	-1.06	0.09	CO1A2_MOUSE	E9Q6U9_MOUSE	Collagen alpha-2(I) chain;	Alpha-2 type I collagen;
LLGSPSRRSY	SLPPHQKVPLPSLSPTMQAGTIAR	N-ter +28.03 Da, K +28.03 Da	47.3	58.8	4	2581.59	-0.25	0.00	ODP2_MOUSE		Dihydrolipoyllysine-residue acetyltransferase component of pyruvate dehydrogenase complex, mitochondrial;	Dihydrolipoamide acetyltransferase component of pyruvate dehydrogenase complex;Pyruvate dehydrogenase complex component E2;
QTPGMRRCSS	SLPPIQAPSHPPPQPPTQPR	N-ter +34.06 Da	43.9	76.8	4	2175.37	1.06	0.03	RHG17_MOUSE	F8WJ58_MOUSE	Rho GTPase-activating protein 17;	Neuron-associated developmentally-regulated protein;Rho-type GTPase-activating protein 17;
VQPVTTWEIA	SLPSTAVTSETLPGSLSPPVEKYR	N-ter +28.03 Da, K +28.03 Da	43.1	76.5	4	2571.58	0.58	0.02	DLG1_MOUSE	E9Q9H0_MOUSE	Disks large homolog 1;	Embryo-dlg/synapse-associated protein 97;Synapse-associated protein 97;
TALPTQQYAK	SLPVSVPVWAFKEKR	N-ter +34.06 Da, K +34.06 Da	28.8	72.9	4	1844.31	0.08	0.01	AKTS1_MOUSE	F6R8S6_MOUSE	Proline-rich AKT1 substrate 1;	
PSFSLPNCNR	SLQPEIQPFPQTASR	N-ter +28.03 Da	38.5	16.6	3	1725.93	0.00	0.00	HRG_MOUSE		Histidine-rich glycoprotein;	Histidine-proline-rich glycoprotein;
PVRNLHQSGF	SLSGAQIDDNIPR	N-ter +34.06 Da	31.8	52.5	3	1418.83	1.20	0.04	DPYL2_MOUSE		Dihydropyrimidinase-related protein 2;	Unc-33-like phosphoprotein 2;
TRGFVSDSSD	SMDTGAGSIR	N-ter +34.06 Da	32.5	39.7	2	1027.56	0.54	0.04	ATIF1_MOUSE	Q9D879_MOUSE	ATPase inhibitor, mitochondrial;	Inhibitor of F(1)F(o)-ATPase;
ASGPENFQVG	SMPPAQQQITSGQMHR	N-ter +28.03 Da	46.4	80.8	3	1824.02	-0.84	0.15	TLN1_MOUSE	F8WGT0_MOUSE	Talin-1;	
NKEIFLRELI	SNASDALDKIR	N-ter +28.03 Da, K +28.03 Da	23.4	49.6	3	1244.73	0.86	0.05	HS90B_MOUSE	ENPL_MOUSE	Heat shock protein HSP 90-beta;	Heat shock 84 kDa;Tumor-specific transplantation 84 kDa antigen;
STAASRATTL	SNAVSSLASTGLSLTKVDER	N-ter +34.06 Da, K +34.06 Da	59.0	64.5	3	2102.32	-0.79	0.11	PICA_MOUSE		Phosphatidylinositol-binding clathrin assembly protein;	Clathrin assembly lymphoid myeloid leukemia;
TPGHACTQKF	SNEEIAMATVTALRR	N-ter +34.06 Da	32.4	71.3	3	1695.04	-1.60	0.24	ALDOA_MOUSE	Q9CPQ9_MOUSE	Fructose-bisphosphate aldolase A;	Aldolase 1;Muscle-type aldolase;
TPGHACTQKF	SNEEIAMATVTALR	N-ter +34.06 Da	48.3	35.2	2	1538.87	-1.74	0.17	ALDOA_MOUSE	Q9CPQ9_MOUSE	Fructose-bisphosphate aldolase A;	Aldolase 1;Muscle-type aldolase;
DRDKPAQIRF	SNISAAKAVADAIR	N-ter +28.03 Da, K +28.03 Da	32.5	63.3	3	1441.92	0.36	0.01	TCPD_MOUSE		T-complex protein 1 subunit delta;	A45;CCT-delta;
EQFLPMMQAI	SNNKDQGGYEDFVEGLR	N-ter +34.06 Da, K +34.06 Da	49.5	70.1	3	1995.14	-0.04	0.00	E9PWG4_MOUSE	MYL1_MOUSE		
LLAACGSVTM	SNPGESSFDLADRLDPVEKIDR	N-ter +34.06 Da, K +34.06 Da	32.8	79.4	4	2527.52	-0.25	0.03	SODE_MOUSE		Extracellular superoxide dismutase [Cu-Zn];	
LLAACGSVTM	SNPGESSFDLADR	N-ter +28.03 Da	51.2	40.7	2	1421.70	0.01	0.00	SODE_MOUSE		Extracellular superoxide dismutase [Cu-Zn];	
GGEVPKRYYL	SNQERPQYEHSVVVGR	N-ter +28.03 Da	27.5	103.7	4	1912.15	0.50	0.07	S14L4_MOUSE		SEC14-like protein 4;	
MKTIL	SNQTVDIPENVEITLKGR	N-ter +34.06 Da, K +34.06 Da	55.3	55.7	3	2080.30	-2.25	0.21	RL9_MOUSE	D3YYQ0_MOUSE	60S ribosomal protein L9;	
ILEGNDIELV	SNSAALIQQATTVKNKDIR	N-ter +34.06 Da, K +34.06 Da	34.3	57.2	4	2159.44	3.16	0.20	RL9_MOUSE		60S ribosomal protein L9;	
KIPRHEVTEI	SNTDVETQPGKTVIR	N-ter +28.03 Da, K +28.03 Da	47.9	71.3	3	1700.03	0.12	0.02	E9Q616_MOUSE			
RSRCFGFVTY	SNVEEADAAMAASPHAVDGNTVELKR	N-ter +28.03 Da, K +28.03 Da	84.1	64.4	4	2737.51	-0.74	0.07	Q9CX86_MOUSE			
LKLSSPVMLT	SNVHPVQLPFR	N-ter +34.06 Da	29.3	43.5	3	1326.82	0.47	0.02	Q99M20_MOUSE			
QETDTSQKDQ	SPASHEIATNLGDFAISLYR	N-ter +34.06 Da	60.4	57.3	3	2195.27	0.03	0.01	A1AT1_MOUSE	A1AT2_MOUSE	Alpha-1-antitrypsin 1-1;	Alpha-1 protease inhibitor 1;Alpha-1-antiproteinase;Serine protease inhibitor 1-1;Serine protease inhibitor A1a;
QETDTSQKDQ	SPASHEIATNLGDFALR	N-ter +28.03 Da	44.2	65.6	3	1826.05	-1.56	0.14	A1AT4_MOUSE		Alpha-1-antitrypsin 1-4;	Alpha-1 protease inhibitor 4;Serine protease inhibitor 1-4;Serine protease inhibitor A1d;
NSTHPMHSRC	SPDPGLTALLSDHR	N-ter +28.03 Da	61.2	79.0	3	1505.90	0.18	0.02	HEMO_MOUSE		Hemopexin;	
MPGVGLPELG	SPGLPPLPSLPPR	N-ter +28.03 Da	35.0	37.1	3	1354.85	-0.38	0.01	GORS2_MOUSE	A2ATI9_MOUSE	Golgi reassembly-stacking protein 2;	Golgi reassembly-stacking protein of 55 kDa;
VESASGETLH	SPKVGQPGAAGPVSPMCPGR	N-ter +28.03 Da, K +28.03 Da, C +57.02 Da	67.7	70.7	3	2005.17	0.57	0.04	FETUA_MOUSE		Alpha-2-HS-glycoprotein;	Countertrypin;Fetuin-A;
DSASQDINLN	SPNKGVLSDFMTDVPVDPGVVHR	N-ter +28.03 Da, K +28.03 Da	39.4	99.9	4	2521.55	-3.84	0.00	TPD54_MOUSE	Q3TUJ9_MOUSE	Tumor protein D54;	Tumor protein D52-like 2;
SIGMPSLMYR	SPPGAGDTQVLPASR	N-ter +28.03 Da	28.0	30.5	3	1479.81	-0.03	0.00	F134C_MOUSE		Protein FAM134C;	
YPKRLKELG	SPPGISLETIDAAFSCPGSSR	N-ter +34.06 Da, C +57.02 Da	68.7	50.9	3	2182.19	0.95	0.18	HEMO_MOUSE		Hemopexin;	
VGGSLAESVG	SPPPAATPTPTPPTR	N-ter +34.06 Da	31.4	56.5	3	1520.93	0.56	0.01	EPN1_MOUSE		Epsin-1;	EPS-15-interacting protein 1;Intersectin-EH-binding protein 1;
DRSLINQTLS	SPPPPHGDLGAPQNPNAKAAGSR	N-ter +28.03 Da, K +28.03 Da	47.3	76.2	4	2291.35	-0.67	0.03	ITB4_MOUSE	A2A864_MOUSE	Integrin beta-4;	
RGKTKATKSC	SPPPPPPEPTSEGR	N-ter +34.06 Da	50.1	54.6	3	1477.84	0.65	0.06	BCAS1_MOUSE	A2AVX1_MOUSE	Breast carcinoma-amplified sequence 1 homolog;	Novel amplified in breast cancer 1 homolog;
SNRRDRPRQP	SPSQSSDSQVHSGVQVEGR	N-ter +28.03 Da	35.9	68.9	3	1998.08	1.34	0.33	F7BVV1_MOUSE	FILA_MOUSE		

Non Prime Site	Prime Site	Modifications	Hyperscore	Mass error in ppm	Charge	Precursor neutral mass in Da	Fold change (log_2) of ASAPRatio	FC-error of ASAPRatio	Uniprot ID 1	Uniprot ID 2	Protein Name 1	Protein Name 2
PSMVQWLNMQ	SPTTPSSNPAGTPPSPR	N-ter +28.03 Da	29.5	39.3	3	1677.90	0.21	0.03	RHG10_MOUSE		Rho GTPase-activating protein 10;	PH and SH3 domain-containing rhoGAP protein;Rho-type GTPase-activating protein 10;
QSGSGRSPRR	SPVHPESSEGEEHSVVPQR	N-ter +34.06 Da	26.1	82.2	4	2120.21	0.84	0.08	FILA2_MOUSE	FILA2_MOUSE	Filaggrin-2;	Intermediate filament-associated protein;
TFHEASEDCI	SQGGTLGTPQSELENEALFEYAR	N-ter +34.06 Da	46.9	44.9	3	2530.35	-1.79	0.12	TETN_MOUSE	Q8CFZ6_MOUSE	Tetranectin;	C-type lectin domain family 3 member B;Plasminogen kringle 4-binding protein;
QAVRINKEQV	SQLLPEKFAEQLIR	N-ter +34.06 Da, K +34.06 Da	33.8	69.7	3	1739.18	-0.11	0.01	SAMH1_MOUSE	Q6ZQM3_MOUSE	SAM domain and HD domain-containing protein 1;	Interferon-gamma-inducible protein Mg11;
AVVRVAGRRL	SQQSASGAPVLLR	N-ter +28.03 Da	49.0	30.3	2	1340.78	0.44	0.01	ETHE1_MOUSE		Protein ETHE1, mitochondrial;	Ethylmalonic encephalopathy protein 1 homolog;Hepatoma subtracted clone one protein;
RRDRPRQPSP	SQSSDSQVHSGVQVEGR	N-ter +28.03 Da	59.8	70.3	3	1813.98	-0.49	0.08	F7BVV1_MOUSE	FILA_MOUSE		
RASGPWGRSH	SSAAAEASAALKVRPER	N-ter +34.06 Da, K +34.06 Da	28.7	75.5	4	1781.18	0.26	0.01	ALAT2_MOUSE	D6RFQ8_MOUSE	Alanine aminotransferase 2;	Glutamate pyruvate transaminase 2;Glutamic--alanine transaminase 2;Glutamic--pyruvic transaminase 2;
DQMAKLRSLF	SSAENEPPVPLVGNWRPPQPVKGR	N-ter +34.06 Da, K +34.06 Da	46.2	78.5	4	2678.70	-0.84	0.05	CAH3_MOUSE		Carbonic anhydrase 3;	Carbonate dehydratase III;Carbonic anhydrase III;
RSPGASRAAM	SSDAQWLTAEER	N-ter +34.06 Da	51.9	25.8	2	1425.73	-0.01	0.00	PHS2_MOUSE		Pterin-4-alpha-carbinolamine dehydratase 2;	4-alpha-hydroxy-tetrahydropterin dehydratase 2;DcoH-like protein DCoHm;Dimerization cofactor of hepatocyte nuclear factor 1 from muscle;HNF-1-alpha dimerization cofactor;
PNNLVAFHDF	SSDLENVPHLR	N-ter +34.06 Da	27.3	47.3	3	1299.76	-1.47	0.08	PRELP_MOUSE		Prolargin;	Proline-arginine-rich end leucine-rich repeat protein;
VLQTRGFVSD	SSDSMDTGAGSIR	N-ter +34.06 Da	48.8	46.3	2	1316.67	0.84	0.04	ATIF1_MOUSE	Q9D879_MOUSE	ATPase inhibitor, mitochondrial;	Inhibitor of F(1)F(o)-ATPase;
DRPRQPSPSQ	SSDSQVHSGVQVEGR	N-ter +28.03 Da	46.4	78.4	3	1598.89	0.77	0.10	E9Q019_MOUSE	FILA_MOUSE		
GALAPTPGSA	SSEAPPLVNEDVKR	N-ter +28.03 Da, K +28.03 Da	55.2	68.4	3	1595.96	1.00	0.07	RPN1_MOUSE		Dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit 1;	Dolichyl-diphosphooligosaccharide--protein glycosyltransferase 67 kDa subunit;Ribophorin I;Ribophorin-1;
SPRRSPVHPE	SSEGEEHSVVPQR	N-ter +34.06 Da	41.1	74.0	3	1473.84	0.77	0.05	FILA2_MOUSE	FILA2_MOUSE	Filaggrin-2;	Intermediate filament-associated protein;
TWTHEVFSSR	SSEVVLSGDDEDYQR	N-ter +34.06 Da	41.3	57.4	3	1731.90	-0.67	0.06	E9Q616_MOUSE			
TDEQALEDHF	SSFGPISEVVVVKDR	N-ter +28.03 Da, K +28.03 Da	52.2	68.0	3	1674.05	-0.58	0.03	RBM3_MOUSE	Q8BG13_MOUSE	Putative RNA-binding protein 3;	RNA-binding motif protein 3;
IIRKVVRQVD	SSGAIDTQQHEEVELR	N-ter +34.06 Da	52.7	77.4	3	1832.05	-1.84	0.26	ANK1_MOUSE	D3YTV8_MOUSE	Ankyrin-1;	Erythrocyte ankyrin;
M	SSGALLPKPQMR	N-ter +34.06 Da, K +34.06 Da	27.6	60.4	3	1351.91	-0.23	0.02	COX6C_MOUSE	D3Z6E1_MOUSE	Cytochrome c oxidase subunit 6C;	Cytochrome c oxidase polypeptide VIc;
VVLLFETALL	SSGFSLEDPQTHSNR	N-ter +28.03 Da	51.3	48.4	3	1688.86	0.56	0.02	HS90B_MOUSE	Q71LX8_MOUSE	Heat shock protein HSP 90-beta;	Heat shock 84 kDa;Tumor-specific transplantation 84 kDa antigen;
CGLSDPNLTL	SSGKDGQCPLVVEQVR	N-ter +28.03 Da, K +28.03 Da, C +57.02 Da	54.2	69.9	3	1814.06	0.86	0.07	LRC47_MOUSE	F6YT33_MOUSE	Leucine-rich repeat-containing protein 47;	
DDGLADLLFV	SSGPTNASAFTER	N-ter +34.06 Da	58.9	36.7	2	1357.72	1.05	0.07	MAP4_MOUSE	E9QPW8_MOUSE	Microtubule-associated protein 4;	
SSSANRRAGS	SSGSGVQGASAGGLAADASR	N-ter +28.03 Da	66.8	38.4	3	1732.90	1.51	0.11	E9Q019_MOUSE	FILA_MOUSE		
GLVYRKVLVL	SSGSRKSSAAGDVVNLVSVDIQR	N-ter +34.06 Da, K +34.06 Da	13.6	24.9	4	2399.40	-2.25	0.11	MRP6_MOUSE	F8VPT2_MOUSE	Multidrug resistance-associated protein 6;	ATP-binding cassette sub-family C member 6;
PLGYPYVNSV	SSHASSPYISSVQSYPGSASLAQSR	N-ter +34.06 Da	26.0	26.3	3	2587.34	0.26	0.01	DLX1_MOUSE		Homeobox protein DLX-1;	
SSVATQQTTL	SSIPSHPSTAGKIFR	N-ter +28.03 Da, K +28.03 Da	23.5	72.5	4	1640.02	0.07	0.01	A2AQB2_MOUSE	A2AQA9_MOUSE		
KYDMEVKVQK	SSKELEDMNQKLFDLR	N-ter +34.06 Da, K +34.06 Da	27.0	68.8	4	2054.30	-0.97	0.11	TNNI2_MOUSE	A2A6K0_MOUSE	Troponin I, fast skeletal muscle;	Troponin I, fast-twitch isoform;
LRLDGNPLTQ	SSLPPDMYECLR	N-ter +34.06 Da, C +57.02 Da	24.0	57.3	3	1500.80	0.36	0.01	LUM_MOUSE		Lumican;	Keratan sulfate proteoglycan lumican;
QAYKALKDYK	SSLSDISSLLQIEPR	N-ter +34.06 Da	53.1	57.7	3	1678.03	-0.67	0.10	TOM34_MOUSE		Mitochondrial import receptor subunit TOM34;	Translocase of outer membrane 34 kDa subunit;
ITSGDSLTVA	SSNTDFAFSLYR	N-ter +28.03 Da	26.8	101.6	3	1434.82	-0.12	0.01	SPA3G_MOUSE	D3Z450_MOUSE	Serine protease inhibitor A3G;	Serine protease inhibitor 2A;
PNHQKASSGK	SSPFKVSPLSFGR	N-ter +28.03 Da, K +28.03 Da	22.3	59.2	3	1463.90	-1.18	0.11	SDPR_MOUSE		Serum deprivation-response protein;	Cavin-2;Phosphatidylserine-binding protein;
APAPSLISVF	SSPQELGASLAQLVAQR	N-ter +28.03 Da	56.0	56.7	3	1782.06	-1.52	0.17	6PGL_MOUSE	Q8CBG6_MOUSE	6-phosphogluconolactonase;	
AAHVAPRRSI	SSQQTIPPSAKYGGR	N-ter +34.06 Da, K +34.06 Da	36.1	71.4	3	1644.04	0.12	0.00	IDHG1_MOUSE		Isocitrate dehydrogenase [NAD] subunit gamma 1, mitochondrial;	Isocitric dehydrogenase subunit gamma;NAD(+)-specific ICDH subunit gamma;
CSDGGARGAN	SSSGNPLVYLDVGADGQPLGR	N-ter +28.03 Da	58.6	63.6	3	2129.21	0.53	0.01	PPIF_MOUSE		Peptidyl-prolyl cis-trans isomerase F, mitochondrial;	Cyclophilin F;Rotamase F;
QSSSANRRAG	SSSGSGVQGASAGGLAADASR	N-ter +34.06 Da	69.4	51.4	3	1825.99	2.38	0.32	FILA_MOUSE	F7BVV1_MOUSE	Filaggrin;	
QSSSANRRAG	SSSGSGVQGTSAGGLAADASR	N-ter +28.03 Da	58.8	48.6	3	1849.97	0.93	0.12	E9Q019_MOUSE			
RSRGRGFQFV	SSSLPDICYR	N-ter +28.03 Da, C +57.02 Da	36.5	46.3	2	1224.64	0.08	0.01	CNBP_MOUSE	D3YYF6_MOUSE	Cellular nucleic acid-binding protein;	Zinc finger protein 9;
LWSWLPSIGF	SSVEEMAAESR	N-ter +34.06 Da	44.7	44.0	2	1228.64	-0.30	0.02	Q3URZ6_MOUSE	F7DBB3_MOUSE		
EVREAKPALK	SSVETQPAEEVR	N-ter +34.06 Da	34.2	22.8	2	1364.73	0.07	0.00	E41L2_MOUSE	Q811B2_MOUSE	Band 4.1-like protein 2;	Generally expressed protein 4.1;
VGSHQVPGLH	SSVVTTPGSPSLGR	N-ter +34.06 Da	41.4	31.5	2	1377.81	-0.64	0.08	E9Q0S6_MOUSE	Q9DBT6_MOUSE		
SPSGSKSQRY	SSVYGASVSDEDLKR	N-ter +34.06 Da, K +34.06 Da	50.7	50.3	3	1679.99	-0.54	0.03	CHCH3_MOUSE	Q9D9P1_MOUSE	Coiled-coil-helix-coiled-coil-helix domain-containing protein 3, mitochondrial;	
FVPMEENSIY	SSWQEVTEFPVIVQR	N-ter +34.06 Da	47.5	67.5	3	1838.10	-0.52	0.02	DOK3_MOUSE		Docking protein 3;	Downstream of tyrosine kinase 3;p62(dok)-like protein;
ATLHVQVSGT	STAPVASIHPPQLTVQPGQQAEFR	N-ter +28.03 Da	32.3	67.9	4	2586.53	-1.89	0.14	PGBM_MOUSE	B1B0C7_MOUSE	Basement membrane-specific heparan sulfate proteoglycan core protein;	
LDKVKSATLS	STESTASGMQDEVR	N-ter +28.03 Da	40.5	68.9	3	1524.78	-0.18	0.02	AKA12_MOUSE	F8WI21_MOUSE	A-kinase anchor protein 12;	Germ cell lineage protein gercelin;Src-suppressed C kinase substrate;
SQQHGGGSGN	STGFGEHGSSSHPLPSSGQNESSSGQSSR	N-ter +34.06 Da	39.0	73.8	4	2908.52	-2.18	0.60	FILA2_MOUSE	E9QPZ3_MOUSE	Filaggrin-2;	Intermediate filament-associated protein;

Non Prime Site	Prime Site	Modifications	Hyperscore	Mass error in ppm	Charge	Precursor neutral mass in Da	Fold change (log_2) of ASAPRatio	FC-error of ASAPRatio	Uniprot ID 1	Uniprot ID 2	Protein Name 1	Protein Name 2
LFRAAVPSGA	STGIYEALELR	N-ter +28.03 Da	44.6	32.0	2	1278.72	-0.11	0.00	ENOA_MOUSE	ENOB_MOUSE	Alpha-enolase;	2-phospho-D-glycerate hydro-lyase;Enolase 1;Non-neural enolase;
IHRAAAVAAM	STGTFVVSQPLNYR	N-ter +28.03 Da	38.7	39.0	3	1595.89	0.41	0.04	AL9A1_MOUSE	Q3U367_MOUSE	4-trimethylaminobutyraldehyde dehydrogenase;	Aldehyde dehydrogenase family 9 member A1;
NKSVQKSGVR	STHQAAVVSKIDSR	N-ter +34.06 Da, K +34.06 Da	32.1	88.1	4	1566.05	-0.23	0.02	Q8VCQ8_MOUSE	E9Q0M9_MOUSE		
LCKLSLEGDH	STPPSAYGSVKPYTNFDAER	N-ter +34.06 Da, K +34.06 Da	32.2	63.0	3	2254.30	-0.54	0.05	ANXA2_MOUSE	B0V2N7_MOUSE	Annexin A2;	Annexin II;Annexin-2;Calpactin I heavy chain;Calpactin-1 heavy chain;Chromobindin-8;Lipocortin II;Placental anticoagulant protein IV;Protein I;p36;
QTSVAIGRSF	STPQSQFQESSPVWKLGR	N-ter +28.03 Da, K +28.03 Da	51.3	65.9	3	2117.23	0.35	0.03	MCEE_MOUSE		Methylmalonyl-CoA epimerase, mitochondrial;	DL-methylmalonyl-CoA racemase;
IQKSRHPKHL	STPSSVSPEPQDPAKLR	N-ter +28.03 Da, K +28.03 Da	44.1	65.4	3	1851.10	0.01	0.00	ARHGC_MOUSE	F8VQN6_MOUSE	Rho guanine nucleotide exchange factor 12;	Leukemia-associated RhoGEF;
IEEREGITVY	STQFGGYAKEADYVAHATQLR	N-ter +34.06 Da, K +34.06 Da	41.3	59.4	4	2380.39	-1.09	0.09	HEBP1_MOUSE	E9QKH1_MOUSE	Heme-binding protein 1;	p22HBP;
MAVNVY	STSVTSDNLSR	N-ter +28.03 Da	33.5	44.8	2	1193.64	-0.69	0.11	MARE1_MOUSE		Microtubule-associated protein RP/EB family member 1;	APC-binding protein EB1;End-binding protein 1;
EKEYQPHVIV	STTGPNPFNTLTDR	N-ter +34.06 Da	54.0	28.9	2	1553.83	-0.62	0.03	ADDA_MOUSE	E9Q1K3_MOUSE	Alpha-adducin;	Erythrocyte adducin subunit alpha;
IDSALATQKY	SVAVKCATITPDEAR	N-ter +34.06 Da, K +34.06 Da, C +57.02 Da	40.0	54.0	3	1685.04	1.35	0.11	IDHP_MOUSE	D6RIL6_MOUSE	Isocitrate dehydrogenase [NADP], mitochondrial;	ICD-M;IDP;NADP(+)-specific ICDH;Oxalosuccinate decarboxylase;
TAGTFKQRPY	SVAVPAFSQGLDDYGAR	N-ter +34.06 Da	30.6	59.0	3	1786.02	-0.01	0.00	BAIP2_MOUSE	B1AZ46_MOUSE	Brain-specific angiogenesis inhibitor 1-associated protein 2;	Insulin receptor substrate protein of 53 kDa;Insulin receptor tyrosine kinase 53 kDa substrate;
SESCVLGFRY	SVDIPLDKTVVNKDVFR	N-ter +34.06 Da, K +34.06 Da	24.7	84.4	4	2046.43	-0.54	0.04	RL27_MOUSE	A2A4Q0_MOUSE	60S ribosomal protein L27;	
SSSSSSNFHI	SVEESVDGKVVSSR	N-ter +28.03 Da, K +28.03 Da	47.8	72.9	3	1532.92	1.16	0.15	K1C15_MOUSE	B1AQ77_MOUSE	Keratin, type I cytoskeletal 15;	Cytokeratin-15;Keratin-15;
DLRHAFSPVA	SVESASGETLHSPKVGQPGAAGPVSPMCPGR	N-ter +28.03 Da, K +28.03 Da, C +57.02 Da	43.7	56.7	4	3102.70	1.74	0.12	FETUA_MOUSE		Alpha-2-HS-glycoprotein;	Countertrypin;Fetuin-A;
LESKSNKIVQ	SVIQTAVDQFAR	N-ter +34.06 Da	52.1	34.1	2	1367.81	-0.20	0.02	AKA12_MOUSE		A-kinase anchor protein 12;	Germ cell lineage protein gercelin;Src-suppressed C kinase substrate;
AITARRQHLK	SVMLQIAATELEKEESRR	N-ter +34.06 Da, K +34.06 Da	25.2	87.6	4	2157.40	-3.47	0.39	TNNI2_MOUSE	A2A6K0_MOUSE	Troponin I, fast skeletal muscle;	Troponin I, fast-twitch isoform;
AITARRQHLK	SVMLQIAATELEKEESR	N-ter +28.03 Da, K +28.03 Da	38.4	72.6	3	1989.19	-1.32	0.20	TNNI2_MOUSE	A2A6K0_MOUSE	Troponin I, fast skeletal muscle;	Troponin I, fast-twitch isoform;
ANAVSEAVVS	SVNTVANKTVEEAENIVVTTGVVR	N-ter +34.06 Da, K +34.06 Da	49.3	70.5	4	2596.65	-0.32	0.05	SYUG_MOUSE		Gamma-synuclein;	Persyn;
LQETRKLFER	SVPAASGGDKEAVAR	N-ter +34.06 Da, K +34.06 Da	27.0	60.3	3	1481.94	-0.12	0.01	NEB2_MOUSE		Neurabin-2;	Neurabin-II;Protein phosphatase 1 regulatory subunit 9B;Spinophilin;
TDQVEAHVQN	SVPDEESKPASSNTQVEGDEEAALLER	N-ter +34.06 Da, K +34.06 Da	61.4	67.8	4	2954.66	-0.27	0.04	Q8VCQ8_MOUSE	E9Q0M9_MOUSE		
GHPLYRKYML	SVPHGIANEDIVSR	N-ter +34.06 Da	41.8	47.5	3	1526.90	0.63	0.04	SH319_MOUSE	F8WI17_MOUSE	SH3 domain-containing protein 19;	Kryn;
TKIFTASNVS	SVPLPAENVTITAGQR	N-ter +28.03 Da	41.5	35.6	3	1679.98	-0.74	0.06	UBP2L_MOUSE	E9Q9Q3_MOUSE	Ubiquitin-associated protein 2-like;	
FQHVGTSVFL	SVTGEQYGNPIR	N-ter +28.03 Da	30.9	74.2	3	1347.78	-0.69	0.03	SDF2L_MOUSE		Stromal cell-derived factor 2-like protein 1;	
EFEKNKGKGF	SVVADTPELQR	N-ter +34.06 Da	49.2	25.0	2	1247.72	0.39	0.02	LASP1_MOUSE	A2A6G6_MOUSE	LIM and SH3 domain protein 1;	Metastatic lymph node gene 50 protein;
VYSPLAHRAY	SVVAGGPEVTLTPER	N-ter +34.06 Da	45.6	42.9	3	1544.93	0.79	0.03	D2HDH_MOUSE	E9QN44_MOUSE	D-2-hydroxyglutarate dehydrogenase, mitochondrial;	
NAALPADPPA	SVVVGPVVVPR	N-ter +28.03 Da	42.3	3.4	2	1134.72	0.60	0.04	FETUA_MOUSE		Alpha-2-HS-glycoprotein;	Countertrypin;Fetuin-A;
ALNDNFVKLI	SWYDNEYGYSNR	N-ter +34.06 Da	28.8	46.2	3	1586.76	-0.27	0.02	G3P_MOUSE	F8WJL5_MOUSE	Glyceraldehyde-3-phosphate dehydrogenase;	Peptidyl-cysteine S-nitrosylase GAPDH;
TAASSSSLEK	SYELPDGQVITIGNER	N-ter +28.03 Da	45.9	57.8	3	1818.02	0.12	0.01	ACTB_MOUSE	ACTA_MOUSE	Actin, cytoplasmic 1;	Beta-actin;
QQPQQQQMTS	SYGGYKEPAAPVSIQR	N-ter +34.06 Da, K +34.06 Da	23.9	58.4	3	1790.10	0.39	0.02	LASP1_MOUSE	A2A6H0_MOUSE	LIM and SH3 domain protein 1;	Metastatic lymph node gene 50 protein;
GLGGNFASQM	SYGYDEKSAGVSVPGPMGPSGPR	N-ter +28.03 Da, K +28.03 Da	60.2	51.5	3	2350.25	0.76	0.11	CO1A1_MOUSE	F8WGB7_MOUSE	Collagen alpha-1(I) chain;	Alpha-1 type I collagen;
VYLQNWSHVL	SYVSKAESTPEIAEQR	N-ter +28.03 Da, K +28.03 Da	25.5	81.3	3	1850.09	0.01	0.00	CSN1_MOUSE	B1ATU4_MOUSE	COP9 signalosome complex subunit 1;	G protein pathway suppressor 1;JAB1-containing signalosome subunit 1;
M	SYYGSYYGGLGSGIR	N-ter +28.03 Da	47.7	74.3	3	1626.89	-0.60	0.03	KRA82_MOUSE	F8VQ65_MOUSE	Keratin-associated protein 8-2;	Glycine tyrosine-rich hair protein;High-glycine tyrosine keratin type 1 alpha;
VALDFENEMA	TAASSSSLEKSYELPDGQVITIGNER	N-ter +34.06 Da, K +34.06 Da	45.1	73.8	4	2819.69	0.66	0.08	ACTC_MOUSE	ACTA_MOUSE	Actin, alpha cardiac muscle 1;	Alpha-cardiac actin;
KLHDDLCEKR	TAATIATHDLQAVR	N-ter +34.06 Da	48.6	54.8	3	1500.93	1.35	0.09	LRC47_MOUSE	E9PV22_MOUSE	Leucine-rich repeat-containing protein 47;	
LQKRGTGGVD	TAAVGAVFDISNADR	N-ter +28.03 Da	37.1	35.1	3	1533.83	0.20	0.01	KCRM_MOUSE		Creatine kinase M-type;	Creatine kinase M chain;M-CK;
VYMAAVLEYL	TAEILELAGNAAR	N-ter +34.06 Da	33.0	28.4	3	1361.81	-0.81	0.09	H2A1F_MOUSE	H2A1H_MOUSE	Histone H2A type 1-F;	
GSWEPFASGK	TAESGELHGLTTDEKFVEGVYR	N-ter +34.06 Da, K +34.06 Da	35.2	65.2	4	2505.47	0.10	0.01	TTHY_MOUSE		Transthyretin;	Prealbumin;
ASEKMMGLVG	TALEESRPGASVEGER	N-ter +34.06 Da	28.2	69.8	3	1721.00	-0.43	0.09	E9Q8T1_MOUSE			
SEGEGGNSMR	TALSDLYLEHLLQKR	N-ter +28.03 Da, K +28.03 Da	22.3	87.8	4	1855.22	-1.29	0.09	EM55_MOUSE	B7ZCM1_MOUSE	55 kDa erythrocyte membrane protein;	Membrane protein, palmitoylated 1;
MCDDEET	TALVCDNGSGLVKAGFAGDDAPR	N-ter +34.06 Da, K +34.06 Da, C +57.02 Da	51.1	63.3	3	2358.38	0.33	0.05	ACTC_MOUSE	ACTS_MOUSE	Actin, alpha cardiac muscle 1;	Alpha-cardiac actin;
CSSRPVGGRY	TAPVGPVTTASAR	N-ter +28.03 Da	44.7	36.4	2	1254.74	-0.18	0.02	E9Q2E9_MOUSE			
GAAAYGTSGY	TAQEYAAGTYGASSTASAGR	N-ter +28.03 Da	35.7	55.5	3	1947.01	1.20	0.20	DDX17_MOUSE	Q3U741_MOUSE	Probable ATP-dependent RNA helicase DDX17;	DEAD box protein 17;
AKRRERMEQF	TAQNEEEKTGGMAGGGPDALQTDGLR	N-ter +34.06 Da, K +34.06 Da	51.4	76.2	4	2670.52	-0.23	0.04	SYNP2_MOUSE	D3YVV9_MOUSE	Synaptopodin-2;	Myopodin;
QDDWGAWQKF	TASAGIQVVGDDLTVTNPKR	N-ter +28.03 Da, K +28.03 Da	94.0	71.1	3	2097.29	-0.79	0.08	ENOA_MOUSE	Q6PHC1_MOUSE	Alpha-enolase;	2-phospho-D-glycerate hydro-lyase;Enolase 1;Non-neural enolase;
NMEERKAALK	TASDFISKMQYPR	N-ter +34.06 Da, K +34.06 Da	21.3	70.7	3	1610.99	-1.52	0.17	GELS_MOUSE		Gelsolin;	Actin-depolymerizing factor;Brevin;
EPVWAIGTGK	TATPQQAQEVHEKLR	N-ter +34.06 Da, K +34.06 Da	27.3	90.7	4	1803.19	0.57	0.06	TPIS_MOUSE	E0CXH5_MOUSE	Triosephosphate isomerase;	Triose-phosphate isomerase;
VMDDFAQFLD	TCCKAADKDTCFSTEGPNLVTR	N-ter +34.06 Da, K +34.06 Da, C +57.02 Da	42.6	69.9	4	2632.50	0.35	0.04	ALBU_MOUSE		Serum albumin;	
DTCCKAADKD	TCFSTEGPNLVTR	N-ter +34.06 Da, C +57.02 Da	42.8	49.1	3	1514.84	0.35	0.03	ALBU_MOUSE		Serum albumin;	
RVSGEHMDLT	TCPLAAGGQQEKLR	N-ter +34.06 Da, K +34.06 Da, C +57.02 Da	24.7	69.0	3	1596.02	-1.29	0.19	Q9D1B1_MOUSE			
MVHL	TDAEKSAVSCLWAKVNPDEVGGEALGR	N-ter +28.03 Da, K +28.03 Da, C +57.02 Da	45.8	84.4	4	2942.73	-6.64	0.00	HBB2_MOUSE		Hemoglobin subunit beta-2;	Beta-2-globin;Hemoglobin beta-2 chain;Hemoglobin beta-minor chain;

Non Prime Site	Prime Site	Modifications	Hyperscore	Mass error in ppm	Charge	Precursor neutral mass in Da	Fold change (log_2) of ASAPRatio	FC-error of ASAPRatio	Uniprot ID 1	Uniprot ID 2	Protein Name 1	Protein Name 2
TYGTAAAKAY	TDDLGAVGGACLEDEASALR	N-ter +28.03 Da, C +57.02 Da	63.7	62.4	3	2047.08	-0.45	0.04	WIPI2_MOUSE	D3YWK1_MOUSE	WD repeat domain phosphoinositide-interacting protein 2;	
ERRGFCFITY	TDEEPVKKLLESR	N-ter +28.03 Da, K +28.03 Da	17.5	42.3	4	1626.99	-0.36	0.02	HNRDL_MOUSE	F6VQH5_MOUSE	Heterogeneous nuclear ribonucleoprotein D-like;	JKT41-binding protein;
GDSLTVASSN	TDFAFSLYR	N-ter +28.03 Da	20.5	50.9	2	1146.63	2.46	0.20	SPA3G_MOUSE	D3Z450_MOUSE	Serine protease inhibitor A3G;	Serine protease inhibitor 2A;
MAAS	TDIAGLEESFR	N-ter +28.03 Da	40.9	47.3	2	1264.69	-0.79	0.03	TPPP3_MOUSE		Tubulin polymerization-promoting protein family member 3;	
KTAHSFEQVL	TDITDAIKLDSGVVKR	N-ter +34.06 Da, K +34.06 Da	25.3	53.6	4	1832.25	0.12	0.01	DCLK1_MOUSE	Q8BRN4_MOUSE	Serine/threonine-protein kinase DCLK1;	Doublecortin-like and CAM kinase-like 1;Doublecortin-like kinase 1;
INRVYKEMYK	TDLEKDIISDTSGDFR	N-ter +34.06 Da, K +34.06 Da	31.7	59.6	3	1879.10	-0.40	0.04	ANXA2_MOUSE	B0V2N7_MOUSE	Annexin A2;	Annexin II;Annexin-2;Calpactin I heavy chain;Calpactin-1 heavy chain;Chromobindin-8;Lipocortin II;Placental anticoagulant protein IV;Protein I;p36;
SRRSTQGVTL	TDLQEAEKTIGR	N-ter +34.06 Da, K +34.06 Da	32.0	64.9	3	1427.92	-0.03	0.00	MYPT1_MOUSE		Protein phosphatase 1 regulatory subunit 12A;	Myosin phosphatase-targeting subunit 1;
AHVDHGKSTL	TDSLVCKAGIIASAR	N-ter +28.03 Da, K +28.03 Da, C +57.02 Da	35.6	60.8	3	1616.99	0.11	0.01	EF2_MOUSE		Elongation factor 2;	
PRHEVTEISN	TDVETQPGKTVIR	N-ter +28.03 Da, K +28.03 Da	26.2	68.4	3	1498.94	0.33	0.03	E9Q616_MOUSE			
VSIEGYKTPY	TDVNIVTIR	N-ter +34.06 Da	33.5	33.6	2	1063.68	1.18	0.06	IDH3A_MOUSE		Isocitrate dehydrogenase [NAD] subunit alpha, mitochondrial;	Isocitric dehydrogenase subunit alpha;NAD(+)-specific ICDH subunit alpha;
KAVLDVAETG	TEAAAATGVIGGIR	N-ter +34.06 Da	35.3	50.6	3	1319.83	0.53	0.06	SPA3K_MOUSE		Serine protease inhibitor A3K;	Contrapsin;SPI-2;
ILQHLRMSMH	TEAAEVLLER	N-ter +34.06 Da	32.4	33.5	2	1163.70	1.43	0.14	HIBCH_MOUSE	E0CX19_MOUSE	3-hydroxyisobutyryl-CoA hydrolase, mitochondrial;	3-hydroxyisobutyryl-coenzyme A hydrolase;
LFVRNLANTV	TEEILEKSFSQFGKLER	N-ter +34.06 Da, K +34.06 Da	25.4	78.3	4	2142.41	-0.23	0.02	HNRPQ_MOUSE		Heterogeneous nuclear ribonucleoprotein Q;	Glycine- and tyrosine-rich RNA-binding protein;NS1-associated protein 1;Synaptotagmin-binding, cytoplasmic RNA-interacting protein;pp68;
KDWSFYILAH	TEFTPTETDTYACR	N-ter +34.06 Da, C +57.02 Da	35.5	46.9	3	1724.86	0.51	0.05	B2MG_MOUSE	Q91XJ8_MOUSE	Beta-2-microglobulin;	
QPPVLLPQLL	TEGAELPDITR	N-ter +34.06 Da	39.5	35.7	2	1234.71	0.08	0.00	TB182_MOUSE		182 kDa tankyrase-1-binding protein;	
AGNNWAKGHY	TEGAELVDSVLDVVR	N-ter +28.03 Da	56.8	63.6	3	1628.97	-0.58	0.12	TBB2A_MOUSE	TBB2B_MOUSE	Tubulin beta-2A chain;	
DAEIPLVVCI	TEGIPQQDMVR	N-ter +28.03 Da	36.8	41.3	2	1300.70	0.82	0.05	SUCA_MOUSE		Succinyl-CoA ligase [ADP/GDP-forming] subunit alpha, mitochondrial;	Succinyl-CoA synthetase subunit alpha;
SDSGHSSTLT	TEHTAESPGRPPPTAAER	N-ter +34.06 Da	33.8	104.9	4	1937.19	-0.76	0.12	TENC1_MOUSE		Tensin-like C1 domain-containing phosphatase;	C1 domain-containing phosphatase and tensin homolog;Tensin-2;
GAQKLTNTSF	TEIEKQAQAVDKR	N-ter +28.03 Da, K +28.03 Da	23.7	79.3	4	1599.03	-0.12	0.01	ARFG3_MOUSE		ADP-ribosylation factor GTPase-activating protein 3;	
KLEEERHTLI	TEMVALNPDFKPPADYKPPATR	N-ter +34.06 Da, K +34.06 Da	41.5	62.9	4	2559.59	0.78	0.02	SF01_MOUSE	Q3UI45_MOUSE	Splicing factor 1;	CW17;Mammalian branch point-binding protein;Transcription factor ZFM1;Zinc finger gene in MEN1 locus;Zinc finger protein 162;
REGEVEVLKA	TEMVEVGPEDDEVGAER	N-ter +34.06 Da	54.0	41.3	3	1894.95	-0.58	0.07	PTRF_MOUSE		Polymerase I and transcript release factor;	Cav-p60;Cavin-1;
ICCSEPPVVK	TEMVTISDASQR	N-ter +34.06 Da	36.5	57.5	3	1370.77	0.36	0.01	E41L2_MOUSE	Q80UE5_MOUSE	Band 4.1-like protein 2;	Generally expressed protein 4.1;
KKRLETYYNA	TEPVISFYDKR	N-ter +34.06 Da, K +34.06 Da	29.1	62.5	3	1421.91	-0.23	0.01	KAD1_MOUSE		Adenylate kinase isoenzyme 1;	ATP-AMP transphosphorylase 1;Myokinase;
QLEEKEKLLA	TEQEDAAVAKSKLR	N-ter +28.03 Da, K +28.03 Da	25.1	94.9	4	1629.06	0.99	0.05	RRBP1_MOUSE	A2AVJ7_MOUSE	Ribosome-binding protein 1;	Ribosome receptor protein;
AAPCIYWLPL	TESQIVQKEAEQAER	N-ter +28.03 Da, K +28.03 Da	27.3	68.2	3	1801.04	0.50	0.07	ACINU_MOUSE	B8JJ93_MOUSE	Apoptotic chromatin condensation inducer in the nucleus;	
VQAPPAPVTV	TETPEPAMPSGVYRPPGAR	N-ter +28.03 Da	36.9	63.4	3	2040.14	1.28	0.06	CDV3_MOUSE	F8WGL9_MOUSE	Protein CDV3;	Carnitine deficiency-associated protein 3;Tyrosine-phosphorylated protein 36;
ESVRSPGSSR	TEVLVTPAGVASKR	N-ter +34.06 Da, K +34.06 Da	42.4	35.0	3	1494.99	2.09	0.11	LAD1_MOUSE		Ladinin-1;	Linear IgA disease antigen homolog;
SFRILAQMTG	TEYMQDPDEEALR	N-ter +28.03 Da	42.8	67.7	3	1623.82	-0.36	0.05	LDB3_MOUSE	E9PYJ9_MOUSE	LIM domain-binding protein 3;	Protein cypher;Protein oracle;Z-band alternatively spliced PDZ-motif protein;
KWKISFDPQD	TFESEFYLDEKR	N-ter +34.06 Da, K +34.06 Da	55.6	67.5	3	1630.96	0.45	0.04	SPA3K_MOUSE	SPA3M_MOUSE	Serine protease inhibitor A3K;	Contrapsin;SPI-2;
IAPSNQVIML	TFGKFDVEPDTYCR	N-ter +34.06 Da, K +34.06 Da, C +57.02 Da	36.4	74.1	3	1802.03	-0.94	0.13	PCOC1_MOUSE	D3YZE3_MOUSE	Procollagen C-endopeptidase enhancer 1;	P14;Procollagen COOH-terminal proteinase enhancer 1;Type 1 procollagen C-proteinase enhancer protein;Type I procollagen COOH-terminal proteinase enhancer;
MCTSFKENPT	TFMGHYLHEVAR	N-ter +34.06 Da	25.3	36.9	4	1493.82	0.61	0.02	ALBU_MOUSE		Serum albumin;	
VVFFFYPLDF	TFVCPTEIIAFSDR	N-ter +34.06 Da, C +57.02 Da	36.1	55.2	3	1688.96	-0.34	0.05	PRDX1_MOUSE	B1AXW6_MOUSE	Peroxiredoxin-1;	Macrophage 23 kDa stress protein;Osteoblast-specific factor 3;Thioredoxin peroxidase 2;Thioredoxin-dependent peroxide reductase 2;
TGLPKRNEAK	TGADTTAAGPLFQQRPYPSPGAVLR	N-ter +34.06 Da	58.1	67.5	4	2604.56	-1.03	0.06	PQBP1_MOUSE		Polyglutamine-binding protein 1;	38 kDa nuclear protein containing a WW domain;Polyglutamine tract-binding protein 1;
LIKEGDVVKR	TGAIVDVPVGEELLGR	N-ter +34.06 Da	38.1	50.9	3	1658.03	1.16	0.03	ATPA_MOUSE	D3Z6F5_MOUSE	ATP synthase subunit alpha, mitochondrial;	
FKEAFLLFDR	TGECKITLSQVGDVLR	N-ter +34.06 Da, K +34.06 Da, C +57.02 Da	49.8	59.8	3	1843.16	0.12	0.01	E9PWG4_MOUSE	MYL1_MOUSE		
SFSQFTGSDG	TGGDAAAPGAAGTQAELPHR	N-ter +34.06 Da	67.8	74.6	3	1881.10	-0.03	0.00	LMAN1_MOUSE		Protein ERGIC-53;	ER-Golgi intermediate compartment 53 kDa protein;Lectin mannose-binding 1;p58;

Non Prime Site	Prime Site	Modifications	Hyperscore	Mass error in ppm	Charge	Precursor neutral mass in Da	Fold change (log_2) of ASAPRatio	FC-error of ASAPRatio	Uniprot ID 1	Uniprot ID 2	Protein Name 1	Protein Name 2
LTRLRLQKRG	TGGVDTAAVGAVFDISNADR	N-ter +34.06 Da	74.8	50.3	3	1969.10	0.79	0.05	KCRM_MOUSE		Creatine kinase M-type;	Creatine kinase M chain;M-CK;
KVCYAKNFGP	TGIGFGGLTQQVEKK	N-ter +28.03 Da, K +28.03 Da	25.7	60.2	3	1775.09	-2.18	0.20	CSRP3_MOUSE		Cysteine and glycine-rich protein 3;	Cysteine-rich protein 3;LIM domain protein, cardiac;Muscle LIM protein;
PRISVREPMQ	TGIKAVDSLVPIGR	N-ter +28.03 Da, K +28.03 Da	41.7	53.5	3	1480.98	-0.15	0.01	ATPA_MOUSE	D3Z6F5_MOUSE	ATP synthase subunit alpha, mitochondrial;	
FRAAVPSGAS	TGIYEALELR	N-ter +28.03 Da	34.9	38.0	2	1191.70	0.36	0.02	ENOA_MOUSE	ENOB_MOUSE	Alpha-enolase;	2-phospho-D-glycerate hydro-lyase;Enolase 1;Non-neural enolase;
KRGQTCVVHY	TGMLEDGKKFDSSR	N-ter +28.03 Da, K +28.03 Da	17.3	91.8	4	1653.99	-1.00	0.02	FKB1A_MOUSE		Peptidyl-prolyl cis-trans isomerase FKBP1A;	12 kDa FK506-binding protein;FK506-binding protein 1A;Immunophilin FKBP12;Rotamase;
PAGKNGDRGE	TGPAGPAGPIGPAGAR	N-ter +34.06 Da	57.1	35.9	2	1379.82	1.97	0.30	CO1A1_MOUSE	F8WGB7_MOUSE	Collagen alpha-1(I) chain;	Alpha-1 type I collagen;
HTVEKGGKHK	TGPNLHGLFGR	N-ter +34.06 Da	25.5	46.2	3	1201.73	0.53	0.03	CYC_MOUSE		Cytochrome c, somatic;	
LHASNTRLQK	TGTAEMSSILEER	N-ter +34.06 Da	41.3	19.1	2	1456.76	0.85	0.05	ATPA_MOUSE	D6RJ16_MOUSE	ATP synthase subunit alpha, mitochondrial;	
IKTKGKEAPF	THFDPSCLFPACR	N-ter +28.03 Da, C +57.02 Da	28.0	50.9	3	1634.82	0.20	0.00	CAH3_MOUSE		Carbonic anhydrase 3;	Carbonate dehydratase III;Carbonic anhydrase III;
ILETQKQFSY	THICAGASAFGKNLLPR	N-ter +34.06 Da, K +34.06 Da, C +57.02 Da	28.7	54.1	4	1880.17	-1.06	0.02	ETFA_MOUSE		Electron transfer flavoprotein subunit alpha, mitochondrial;	
EVKAQNGEFM	THKLKQTENAFSPSR	N-ter +28.03 Da, K +28.03 Da	27.5	99.0	4	1827.18	0.98	0.08	Q8VCQ8_MOUSE	F6T2Z7_MOUSE		
IFEVKSTAGD	THLGGEDFDNR	N-ter +34.06 Da	36.6	73.2	3	1293.71	-3.06	0.51	HS71A_MOUSE	HS71B_MOUSE	Heat shock 70 kDa protein 1A;	Heat shock 70 kDa protein 3;Hsp68;
VQVSPSGEKI	THTGQVYDEKDYR	N-ter +34.06 Da, K +34.06 Da	24.5	95.5	4	1679.02	-1.15	0.15	NDUS6_MOUSE	D3YW32_MOUSE	NADH dehydrogenase [ubiquinone] iron-sulfur protein 6, mitochondrial;	Complex I-13kD-A;NADH-ubiquinone oxidoreductase 13 kDa-A subunit;
NIPLISDPKR	TIAQDYGVLKADEGISFR	N-ter +34.06 Da, K +34.06 Da	29.5	37.7	3	2050.21	-0.09	0.01	PRDX1_MOUSE	B1AXW6_MOUSE	Peroxiredoxin-1;	Macrophage 23 kDa stress protein;Osteoblast-specific factor 3;Thioredoxin peroxidase 2;Thioredoxin-dependent peroxide reductase 2;
DTVQIQAGLR	TIEEEAAPEIHR	N-ter +28.03 Da	42.7	71.1	3	1421.82	0.36	0.04	CAC1S_MOUSE	A3KPC9_MOUSE	Voltage-dependent L-type calcium channel subunit alpha-1S;	Calcium channel, L type, alpha-1 polypeptide, isoform 3, skeletal muscle;Voltage-gated calcium channel subunit alpha Cav1.1;
GGDVAFVKHT	TIFEVLPEKADR	N-ter +28.03 Da, K +28.03 Da	42.1	68.6	3	1472.93	0.44	0.02	TRFE_MOUSE	D3YYR8_MOUSE	Serotransferrin;	Beta-1 metal-binding globulin;Siderophilin;
LDAYSIQGQH	TISPLDLAKLNQVAR	N-ter +28.03 Da, K +28.03 Da	30.5	65.7	3	1694.12	0.11	0.01	PCBP1_MOUSE		Poly(rC)-binding protein 1;	Alpha-CP1;Heterogeneous nuclear ribonucleoprotein E1;
VKEVTEKVTH	TITDAVTHAAEGLGR	N-ter +34.06 Da	39.7	66.5	3	1544.94	-0.54	0.05	FAM25_MOUSE		Protein FAM25;	
RDAVTTRQVR	TIVEEVQDGKVISSR	N-ter +28.03 Da, K +28.03 Da	52.3	61.3	3	1715.05	0.41	0.05	K1C17_MOUSE	D3YXP7_MOUSE	Keratin, type I cytoskeletal 17;	Cytokeratin-17;Keratin-17;
SLSTFQQMWI	TKQEYDEAGPSIVHR	N-ter +34.06 Da, K +34.06 Da	45.6	80.6	4	1797.11	0.82	0.08	ACTS_MOUSE		Actin, alpha skeletal muscle;	Alpha-actin-1;
NKVSLDLERE	TKTQKELSVTVR	N-ter +28.03 Da, K +28.03 Da	20.9	70.9	3	1473.00	3.27	0.20	CENPE_MOUSE	E9QKK1_MOUSE	Centromere-associated protein E;	Centromere protein E;Kinesin superfamily protein 10;Motor domain of KIF10;
KPRESEKVKI	TKVFDFAGEEVR	N-ter +28.03 Da, K +28.03 Da	28.7	51.7	3	1452.84	2.21	0.11	CFDP1_MOUSE		Craniofacial development protein 1;	27 kDa craniofacial protein;Bucentaur;Protein Cp27;
M	TKVKAAPEESEAQAEGCSEER	N-ter +34.06 Da, K +34.06 Da, C +57.02 Da	45.4	78.7	4	2407.43	-2.25	0.43	NHP2_MOUSE		H/ACA ribonucleoprotein complex subunit 2;	Nucleolar protein family A member 2;snoRNP protein NHP2;
ELLSQEFLLL	TLEQKNIAVENEVR	N-ter +34.06 Da, K +34.06 Da	39.4	61.6	3	1710.10	0.84	0.07	ASHWN_MOUSE		Ashwin;	
SAANCDKSLH	TLFGDKLCAIPNLR	N-ter +28.03 Da, K +28.03 Da, C +57.02 Da	24.1	56.9	3	1673.03	-0.45	0.05	ALBU_MOUSE		Serum albumin;	
TGEFEKKYVA	TLGVEVHPLVFHTNR	N-ter +34.06 Da	30.0	77.8	4	1752.13	-0.43	0.02	RAN_MOUSE		GTP-binding nuclear protein Ran;	GTPase Ran;Ras-like protein TC4;Ras-related nuclear protein;
SLPSTAVTSE	TLPGSLSPPVEKYR	N-ter +28.03 Da, K +28.03 Da	41.5	67.4	3	1599.01	0.37	0.01	DLG1_MOUSE	E9Q9H0_MOUSE	Disks large homolog 1;	Embryo-dlg/synapse-associated protein 97;Synapse-associated protein 97;
WDGLDPGKLY	TLVLTDPPDAPSR	N-ter +28.03 Da	48.8	36.5	2	1311.75	-1.06	0.09	PEBP1_MOUSE	D3Z1V4_MOUSE	Phosphatidylethanolamine-binding protein 1;	HCNPpp;
LKNSPLVSRL	TLYDIAHTPGVAADLSHIETR	N-ter +28.03 Da	38.5	75.5	4	2307.36	0.00	0.00	MDHM_MOUSE		Malate dehydrogenase, mitochondrial;	
CNAHYPKQSF	TMVADTPENLR	N-ter +28.03 Da	45.5	37.2	2	1273.68	-0.22	0.02	LASP1_MOUSE	A2A6G6_MOUSE	LIM and SH3 domain protein 1;	Metastatic lymph node gene 50 protein;
SKIDSRLEQY	TNAIEGTKASKPMKPAASDLPVPAEGVR	N-ter +28.03 Da, K +28.03 Da	25.9	58.9	4	2946.80	0.99	0.09	Q8VCQ8_MOUSE	E9Q0M9_MOUSE		
LVEEPKNLVK	TNCDLYEKLGEYGFQNAILVR	N-ter +34.06 Da, K +34.06 Da, C +57.02 Da	46.7	72.3	4	2570.53	0.07	0.02	ALBU_MOUSE		Serum albumin;	
VDKGVVPLAG	TNGETTTQGLDGLSER	N-ter +28.03 Da	36.4	58.3	3	1705.91	0.60	0.06	ALDOA_MOUSE	Q9CPQ9_MOUSE	Fructose-bisphosphate aldolase A;	Aldolase 1;Muscle-type aldolase;
DYNKFMSVLD	TNKDCEVDFGEYVR	N-ter +28.03 Da, K +28.03 Da, C +57.02 Da	39.0	59.0	3	1786.93	-0.34	0.03	S10A3_MOUSE		Protein S100-A3;	Protein S-100E;S100 calcium-binding protein A3;
DQSPASHEIA	TNLGDFAISLYR	N-ter +34.06 Da	57.6	38.2	2	1402.82	1.25	0.26	A1AT1_MOUSE	A1AT2_MOUSE	Alpha-1-antitrypsin 1-1;	Alpha-1 protease inhibitor 1;Alpha-1-antiproteinase;Serine protease inhibitor 1-1;Serine protease inhibitor A1a;
MAANAT	TNPSQLLPLELVDKCIGSR	N-ter +28.03 Da, K +28.03 Da, C +57.02 Da	40.4	64.5	3	2195.34	0.18	0.02	LSM5_MOUSE		U6 snRNA-associated Sm-like protein LSm5;	
EDPNQFVPLN	TNPTEVLEKR	N-ter +34.06 Da, K +34.06 Da	27.5	15.5	3	1253.78	-0.54	0.03	ADDG_MOUSE		Gamma-adducin;	Adducin-like protein 70;
M	TNSCCSPCCQPTCCR	N-ter +34.06 Da, C +57.02 Da	38.2	70.1	3	1980.86	-1.06	0.18	Q9D3H7_MOUSE	Q9D141_MOUSE		
SQSMNFSLMS	TNTVGLGLPMSR	N-ter +28.03 Da	40.3	27.5	2	1272.72	1.37	0.04	EPN4_MOUSE	Q5SUH6_MOUSE	Clathrin interactor 1;	Enthoprotin;Epsin-4;Epsin-related protein;
WKVRELVDKA	TNVVMNYSEIESKVR	N-ter +28.03 Da, K +28.03 Da	48.0	62.1	3	1824.06	-0.76	0.06	EPN4_MOUSE	Q5SUH6_MOUSE	Clathrin interactor 1;	Enthoprotin;Epsin-4;Epsin-related protein;
NPSEKVFIRG	TPDSPAQPAAAPR	N-ter +34.06 Da	25.4	102.7	3	1311.83	-5.06	0.00	SPEG_MOUSE	E9QQ25_MOUSE	Striated muscle-specific serine/threonine-protein kinase;	Aortic preferentially expressed protein 1;
PGPYAQPSVN	TPLPNLQNGPIYAR	N-ter +28.03 Da	39.8	24.9	3	1580.91	-1.43	0.12	CRK_MOUSE	F7D232_MOUSE	Adapter molecule crk;	Proto-oncogene c-Crk;p38;
KLTGMAFRVP	TPNVSVVDLTCR	N-ter +34.06 Da, C +57.02 Da	31.6	52.7	3	1393.82	-0.60	0.03	G3P_MOUSE	G3PT_MOUSE	Glyceraldehyde-3-phosphate dehydrogenase;	Peptidyl-cysteine S-nitrosylase GAPDH;
DCISQGGTLG	TPQSELENEALFEYAR	N-ter +34.06 Da	42.1	40.7	3	1930.03	1.63	0.03	TETN_MOUSE	Q8CFZ6_MOUSE	Tetranectin;	C-type lectin domain family 3 member B;Plasminogen kringle 4-binding protein;

Non Prime Site	Prime Site	Modifications	Hyperscore	Mass error in ppm	Charge	Precursor neutral mass in Da	Fold change (log_2) of ASAPRatio	FC-error of ASAPRatio	Uniprot ID 1	Uniprot ID 2	Protein Name 1	Protein Name 2
WRCVLKIGEH	TPSALAIMENANVLAR	N-ter +34.06 Da	48.8	45.8	3	1704.02	0.77	0.14	ALDOA_MOUSE	A6ZI44_MOUSE	Fructose-bisphosphate aldolase A;	Aldolase 1;Muscle-type aldolase;
IDCDVITLMG	TPSGTAEPYDGTKAR	N-ter +28.03 Da, K +28.03 Da	23.3	68.3	3	1605.91	0.77	0.09	BSDC1_MOUSE		BSD domain-containing protein 1;	
GLPGSMGPPG	TPSVDHGFLVTR	N-ter +28.03 Da	44.1	51.5	3	1355.79	1.23	0.04	CO4A1_MOUSE		Collagen alpha-1(IV) chain;	
LNRVCLLHEK	TPVSEHVTKCCSGSLVER	N-ter +34.06 Da, K +34.06 Da, C +57.02 Da	24.3	75.6	4	2113.25	0.52	0.03	ALBU_MOUSE		Serum albumin;	
LLFIDNIFRF	TQAGSEVSALLGR	N-ter +34.06 Da	35.3	20.3	2	1321.77	0.43	0.01	ATPB_MOUSE		ATP synthase subunit beta, mitochondrial;	
MVKIVTVK	TQAYPDQKPGTSGLR	N-ter +28.03 Da, K +28.03 Da	24.1	74.1	3	1674.00	-0.52	0.05	PGM1_MOUSE		Phosphoglucomutase-1;	Glucose phosphomutase 1;
GFQNAILVRY	TQKAPQVSTPTLVEAARNLGR	N-ter +28.03 Da, K +28.03 Da	36.1	77.1	4	2292.47	-0.76	0.05	ALBU_MOUSE		Serum albumin;	
GFQNAILVRY	TQKAPQVSTPTLVEAAR	N-ter +28.03 Da, K +28.03 Da	59.6	66.8	3	1852.17	0.50	0.02	ALBU_MOUSE		Serum albumin;	
PNMVTPGHAC	TQKFSNEEIAMATVTALR	N-ter +34.06 Da, K +34.06 Da	39.7	56.2	3	2077.27	0.76	0.12	ALDOA_MOUSE	Q9CPQ9_MOUSE	Fructose-bisphosphate aldolase A;	Aldolase 1;Muscle-type aldolase;
DEESKPASSN	TQVEGDEEAALLER	N-ter +34.06 Da	52.9	38.8	3	1592.87	0.37	0.03	Q8VCQ8_MOUSE	E9Q0M9_MOUSE		
PPRSTEDRLT	TQWREEDEEEAAR	N-ter +34.06 Da	24.8	67.7	3	1681.89	-0.27	0.05	LSP1_MOUSE	A2A6J7_MOUSE	Lymphocyte-specific protein 1;	52 kDa phosphoprotein;Lymphocyte-specific antigen WP34;S37 protein;
DQYELLCLDN	TRKPVDQYEDCYLAR	N-ter +28.03 Da, K +28.03 Da, C +57.02 Da	34.7	93.3	4	1969.16	0.61	0.04	TRFE_MOUSE	E9Q035_MOUSE	Serotransferrin;	Beta-1 metal-binding globulin;Siderophilin;
TVCQPTCYQR	TSCISTPAQVTCNR	N-ter +34.06 Da, C +57.02 Da	45.0	57.6	3	1627.88	-0.81	0.04	E9Q2E9_MOUSE			
M	TSDQDAKVVAEPQAQR	N-ter +28.03 Da, K +28.03 Da	33.5	72.2	3	1798.05	0.04	0.01	LAR4B_MOUSE		La-related protein 4B;	La ribonucleoprotein domain family member 4B;La ribonucleoprotein domain family member 5;La-related protein 5;
DIGDTVEDPY	TSFVKLLPLNDCR	N-ter +34.06 Da, K +34.06 Da, C +57.02 Da	39.2	66.5	3	1630.06	-0.76	0.08	COF2_MOUSE		Cofilin-2;	Cofilin, muscle isoform;
AATTTATTTT	TSGGHPLEFLR	N-ter +28.03 Da	30.9	47.0	3	1240.72	0.00	0.00	RD23B_MOUSE	Q3TJ52_MOUSE	UV excision repair protein RAD23 homolog B;	XP-C repair-complementing complex 58 kDa protein;
RKAAGGAKRK	TSGPPVSELITKAVAASKER	N-ter +34.06 Da, K +34.06 Da	18.2	81.6	4	2142.49	-0.14	0.01	H14_MOUSE		Histone H1.4;	H1 VAR.2;H1e;
LIIGDRQTGK	TSIAIDTIINQKR	N-ter +34.06 Da, K +34.06 Da	30.3	53.3	3	1540.04	0.30	0.03	ATPA_MOUSE	D3Z6F5_MOUSE	ATP synthase subunit alpha, mitochondrial;	
VGLTSLRAVS	TSSMGTLPKQVKIVEVGPR	N-ter +28.03 Da, K +28.03 Da	15.7	63.7	4	2110.35	-0.43	0.03	HMGCL_MOUSE		Hydroxymethylglutaryl-CoA lyase, mitochondrial;	3-hydroxy-3-methylglutarate-CoA lyase;
LEAWYRHGRT	TSSYSALSEPSR	N-ter +28.03 Da	45.3	41.8	2	1311.69	-0.03	0.00	MECR_MOUSE	A2A845_MOUSE	Trans-2-enoyl-CoA reductase, mitochondrial;	
RGVHTSVASA	TSVATKKTEQGPPSSEYIFER	N-ter +34.06 Da, K +34.06 Da	48.1	67.0	4	2456.53	0.87	0.04	OAT_MOUSE		Ornithine aminotransferase, mitochondrial;	Ornithine--oxo-acid aminotransferase;
TRVSGEHMDL	TTCPLAAGGQQEKLR	N-ter +34.06 Da, K +34.06 Da, C +57.02 Da	40.7	67.3	3	1697.07	-0.32	0.02	Q9D1B1_MOUSE			
LKGWSCCKRR	TTDFSDFLSIVGCTKGR	N-ter +34.06 Da, K +34.06 Da, C +57.02 Da	38.4	70.9	3	1971.18	-2.74	0.55	CHRD1_MOUSE		Cysteine and histidine-rich domain-containing protein 1;	CHORD domain-containing protein 1;Protein morgana;
ADDLTDPAPA	TTFAHLDATTVLSR	N-ter +28.03 Da	42.9	74.5	3	1559.95	0.71	0.04	ATPB_MOUSE		ATP synthase subunit beta, mitochondrial;	
RTVHTTRVCL	TTFNVQDGPDFQDR	N-ter +34.06 Da	45.9	53.5	3	1672.88	0.33	0.06	THIOM_MOUSE	Q3TUS3_MOUSE	Thioredoxin, mitochondrial;	Thioredoxin-2;
LRVPHARKTG	TTIAGLVFR	N-ter +34.06 Da	30.2	45.3	2	1010.68	0.20	0.01	PSB10_MOUSE		Proteasome subunit beta type-10;	Low molecular mass protein 10;Macropain subunit MECl-1;Multicatalytic endopeptidase complex subunit MECl-1;Proteasome MECl-1;Proteasome subunit beta-2i;
FKLPKARKTG	TTIAGVVYKDGIVLGADTR	N-ter +28.03 Da, K +28.03 Da	49.5	71.6	3	2004.27	0.21	0.05	PSB7_MOUSE		Proteasome subunit beta type-7;	Macropain chain Z;Multicatalytic endopeptidase complex chain Z;Proteasome subunit Z;
GGGDVAFVKH	TTIFEVLPEKADR	N-ter +28.03 Da, K +28.03 Da	51.3	69.4	3	1573.98	0.20	0.02	TRFE_MOUSE	D3YYR8_MOUSE	Serotransferrin;	Beta-1 metal-binding globulin;Siderophilin;
AQAVTAYIIK	TTLESTPESASAR	N-ter +34.06 Da	46.0	37.8	2	1382.76	-0.76	0.08	PPR3A_MOUSE		Protein phosphatase 1 regulatory subunit 3A;	Protein phosphatase 1 glycogen-associated regulatory subunit;Protein phosphatase type-1 glycogen targeting subunit;
VVPLAGTNGE	TTTQGLDGLSER	N-ter +34.06 Da	43.5	35.0	2	1310.73	0.52	0.05	ALDOA_MOUSE	Q9CPQ9_MOUSE	Fructose-bisphosphate aldolase A;	Aldolase 1;Muscle-type aldolase;
TIPTKQTQTF	TTYSDNQPGVLIQVYEGER	N-ter +34.06 Da	60.8	35.3	3	2202.18	-1.09	0.07	HS71A_MOUSE	HS71B_MOUSE	Heat shock 70 kDa protein 1A;	Heat shock 70 kDa protein 3;Hsp68;
QRPRLQLKPR	TVATPLNQVANPNSAIFGGARPR	N-ter +34.06 Da	35.7	74.7	4	2384.49	-0.47	0.04	IF4H_MOUSE	Q80U88_MOUSE	Eukaryotic translation initiation factor 4H;	Williams-Beuren syndrome chromosomal region 1 protein homolog;
QRPRLQLKPR	TVATPLNQVANPNSAIFGGAR	N-ter +34.06 Da	64.6	50.8	3	2131.27	-1.09	0.09	IF4H_MOUSE	Q80U88_MOUSE	Eukaryotic translation initiation factor 4H;	Williams-Beuren syndrome chromosomal region 1 protein homolog;
MKM	TVDFEECLKDSPR	N-ter +28.03 Da, K +28.03 Da, C +57.02 Da	26.3	83.3	3	1650.93	-0.45	0.05	ACAP2_MOUSE	D4AFX6_MOUSE	Arf-GAP with coiled-coil, ANK repeat and PH domain-containing protein 2;	Centaurin-beta-2;
EKAKREVCSW	TVEGDVNTDPWAGYR	N-ter +34.06 Da	44.7	46.5	3	1712.90	0.01	0.00	AMPM1_MOUSE		Methionine aminopeptidase 1;	Peptidase M 1;
QTVSTKSSSN	TVESTSLYNKVAAQGEVVR	N-ter +28.03 Da, K +28.03 Da	25.6	64.0	3	2106.27	1.47	0.16	SYEP_MOUSE		Bifunctional glutamate/proline--tRNA ligase;	Bifunctional aminoacyl-tRNA synthetase;
GCVAGDEESY	TVFKDLFDPIIQDR	N-ter +34.06 Da, K +34.06 Da	47.0	74.4	3	1774.16	-0.12	0.03	KCRM_MOUSE		Creatine kinase M-type;	Creatine kinase M chain;M-CK;
TVKTESTVKT	TVFSCNLGEKFDETTADGR	N-ter +28.03 Da, K +28.03 Da, C +57.02 Da	35.1	62.1	3	2202.16	0.51	0.07	FABP5_MOUSE	E9Q964_MOUSE	Fatty acid-binding protein, epidermal;	Epidermal-type fatty acid-binding protein;Fatty acid-binding protein 5;Keratinocyte lipid-binding protein;Psoriasis-associated fatty acid-binding protein homolog;
QNADCPKNSG	TVGAVALDCR	N-ter +34.06 Da, C +57.02 Da	40.1	28.0	2	1094.63	1.26	0.11	ASGL1_MOUSE		L-asparaginase;	Asparaginase-like protein 1;L-asparagine amidohydrolase;
M	TVHNLYLFDR	N-ter +28.03 Da	24.7	48.6	3	1304.75	0.31	0.02	TPPC1_MOUSE	B1ASW5_MOUSE	Trafficking protein particle complex subunit 1;	
KDVVDYIIFG	TVIQEVKTSNVAR	N-ter +28.03 Da, K +28.03 Da	33.1	74.2	3	1499.98	0.41	0.04	ECHB_MOUSE	D3YXU1_MOUSE	Trifunctional enzyme subunit beta, mitochondrial;	TP-beta;
NMKGNDISSG	TVLSDYVGSGPPSGTGLHR	N-ter +34.06 Da	45.2	67.4	3	1933.14	0.10	0.01	PEBP1_MOUSE		Phosphatidylethanolamine-binding protein 1;	HCNPpp;
VDIRKDLYAN	TVLSGGTTMYPGIADR	N-ter +28.03 Da	33.5	37.8	3	1665.90	0.23	0.02	ACTB_MOUSE	ACTG_MOUSE	Actin, cytoplasmic 1;	Beta-actin;

Non Prime Site	Prime Site	Modifications	Hyperscore	Mass error in ppm	Charge	Precursor neutral mass in Da	Fold change (log_2) of ASAPRatio	FC-error of ASAPRatio	Uniprot ID 1	Uniprot ID 2	Protein Name 1	Protein Name 2
SAPRVSRLAT	TVSAPDLKSVR	N-ter +28.03 Da, K +28.03 Da	22.0	65.1	3	1227.80	2.21	0.17	F7CK47_MOUSE	MAP4_MOUSE	Microtubule-associated protein;	
GWQSMVHEVW	TVVIPETEAVRR	N-ter +34.06 Da	29.9	68.6	3	1402.93	0.93	0.07	COASY_MOUSE		Bifunctional coenzyme A synthase;	
SPGMIKDLGA	TWVVLGHSER	N-ter +34.06 Da	25.0	31.2	3	1216.72	-0.34	0.01	TPIS_MOUSE	E0CXH5_MOUSE	Triosephosphate isomerase;	Triose-phosphate isomerase;
QGQGDIPTFY	TYEEGLSHLTAEGQATLER	N-ter +34.06 Da	44.1	66.4	3	2138.21	-6.64	0.00	ICLN_MOUSE	Q923F1_MOUSE	Methylosome subunit pICln;	Chloride channel, nucleotide sensitive 1A;Chloride conductance regulatory protein ICln;Chloride ion current inducer protein;
NEETIKKRLE	TYYNATEPVISFYDKR	N-ter +34.06 Da, K +34.06 Da	52.6	68.4	3	2034.21	0.20	0.02	KAD1_MOUSE		Adenylate kinase isoenzyme 1;	ATP-AMP transphosphorylase 1;Myokinase;
NGTQICPNNL	VAFHDFSSDLENVPHLR	N-ter +34.06 Da	37.4	95.6	4	2016.22	-0.27	0.02	PRELP_MOUSE		Prolargin;	Proline-arginine-rich end leucine-rich repeat protein;
VNQAQKEAEK	VAHGVQTGVNQAGKETQR	N-ter +28.03 Da, K +28.03 Da	37.0	93.6	4	1935.21	0.80	0.14	SBSN_MOUSE	E9QPB2_MOUSE	Suprabasin;	
PLPVIPHQKV	VANSPANADYQER	N-ter +28.03 Da	43.0	61.9	3	1461.78	-0.52	0.07	E9PYJ9_MOUSE			
MADEIAKAQ	VAQPGGDTIFGKIIR	N-ter +34.06 Da, K +34.06 Da	29.3	68.3	3	1639.12	-0.25	0.02	HINT1_MOUSE	B0R1E3_MOUSE	Histidine triad nucleotide-binding protein 1;	Adenosine 5'-monophosphoramidase;Protein kinase C inhibitor 1;Protein kinase C-interacting protein 1;
EERSVNCGTM	VAQPKNLEGYVGFANLPNQVYR	N-ter +28.03 Da, K +28.03 Da	55.5	70.9	4	2532.53	0.07	0.01	E9Q9F5_MOUSE			
AHQLFRGFSF	VATGLMEDDGKPR	N-ter +34.06 Da, K +34.06 Da	32.0	70.3	3	1455.91	-0.12	0.01	KS6A1_MOUSE	Q505N6_MOUSE	Ribosomal protein S6 kinase alpha-1;	90 kDa ribosomal protein S6 kinase 1;MAP kinase-activated protein kinase 1a;Ribosomal S6 kinase 1;
VHTSVASATS	VATKKTEQGPPSSEYIFER	N-ter +28.03 Da, K +28.03 Da	35.6	63.6	4	2250.33	0.85	0.01	OAT_MOUSE		Ornithine aminotransferase, mitochondrial;	Ornithine--oxo-acid aminotransferase;
HLTGEFEKKY	VATLGVEVHPLVFHTNR	N-ter +34.06 Da	38.5	35.8	4	1922.16	-0.30	0.05	RAN_MOUSE		GTP-binding nuclear protein Ran;	GTPase Ran;Ras-like protein TC4;Ras-related nuclear protein;
VGPEPTTDCF	VAVMHGETEGTVPGNALVVDPEKPFR	N-ter +34.06 Da, K +34.06 Da	50.0	75.5	4	2816.73	0.00	0.00	EHD2_MOUSE		EH domain-containing protein 2;	
KILQESGLKY	VAVMPPHIGDQPLTGAYTVTLDGR	N-ter +34.06 Da	47.1	77.5	4	2541.55	-1.52	0.04	BLVRB_MOUSE	E9PZC4_MOUSE	Flavin reductase (NADPH);	Biliverdin reductase B;Biliverdin-IX beta-reductase;NADPH-dependent diaphorase;NADPH-flavin reductase;
DDPEVQFSWF	VDDVEVHTAQTQPR	N-ter +28.03 Da	19.0	61.5	3	1621.91	-0.20	0.01	IGH1M_MOUSE	IGHG1_MOUSE	Ig gamma-1 chain C region, membrane-bound form;	
DVDEYDENKF	VDEEDGGDGQAGPDEGEVDSCLR	N-ter +34.06 Da, C +57.02 Da	66.2	51.9	3	2439.15	-0.20	0.02	ARPC5_MOUSE	Q3UA72_MOUSE	Actin-related protein 2/3 complex subunit 5;	Arp2/3 complex 16 kDa subunit;
PTLILAQQSN	VDELGCSHLGQSYESR	N-ter +34.06 Da, C +57.02 Da	37.5	69.5	3	1870.00	-3.47	0.77	CO3A1_MOUSE	Q5DTG2_MOUSE	Collagen alpha-1(III) chain;	
LTIQLIQNHF	VDEYDPTIEDSYR	N-ter +34.06 Da	32.9	51.0	3	1634.84	0.18	0.02	RASH_MOUSE	RASK_MOUSE	GTPase HRas;	H-Ras-1;Transforming protein p21;c-H-ras;p21ras;
PWFAGNKVTY	VDFLVYDVLDQHR	N-ter +34.06 Da	58.8	85.9	3	1652.02	-1.18	0.19	GSTM2_MOUSE	D3YX76_MOUSE	Glutathione S-transferase Mu 2;	GST 5-5;GST class-mu 2;Glutathione S-transferase pmGT2;
GNKYVPRAIL	VDLEPGTMDSVR	N-ter +28.03 Da	35.4	33.1	2	1345.70	-0.15	0.02	TBB2A_MOUSE	TBB2B_MOUSE	Tubulin beta-2A chain;	
AGKHVPRAVF	VDLEPTVIDEVR	N-ter +34.06 Da	41.9	43.8	2	1417.85	-0.03	0.00	TBA1A_MOUSE	TBA1B_MOUSE	Tubulin alpha-1A chain;	Alpha-tubulin 1;Alpha-tubulin isotype M-alpha-1;Tubulin alpha-1 chain;
AEPHYMVLEY	VDLGDLKQFLR	N-ter +28.03 Da, K +28.03 Da	19.4	78.6	3	1358.90	-0.49	0.10	PTK7_MOUSE		Inactive tyrosine-protein kinase 7;	Protein chuzhoi;Protein-tyrosine kinase 7;Pseudo tyrosine kinase receptor 7;Tyrosine-protein kinase-like 7;
SPTESKDILL	VDLNSEIDTNQNSLR	N-ter +34.06 Da	41.0	44.6	3	1750.97	-0.22	0.01	DAB2_MOUSE	E9QL31_MOUSE	Disabled homolog 2;	DOC-2;Mitogen-responsive phosphoprotein;
ASLRFDGALN	VDLTEFQTNLVPYPR	N-ter +34.06 Da	40.2	44.8	3	1825.07	0.52	0.03	TBA1A_MOUSE	TBA1B_MOUSE	Tubulin alpha-1A chain;	Alpha-tubulin 1;Alpha-tubulin isotype M-alpha-1;Tubulin alpha-1 chain;
AAGGGGGENY	VDNKEVHTAWTQPR	N-ter +28.03 Da, K +28.03 Da	24.8	73.0	4	1736.03	0.70	0.09	IGHG3_MOUSE		Ig gamma-3 chain C region;	
CTHVANFSVP	VDPSLIIVVQAKEDAYIPR	N-ter +28.03 Da, K +28.03 Da	19.1	49.3	4	2181.35	-0.79	0.07	CD029_MOUSE	B7ZNF5_MOUSE	Uncharacterized protein C4orf29 homolog;	
PVPEDKYTAL	VDQEEKEDVKSCAEFVSGSQLR	N-ter +28.03 Da, K +28.03 Da, C +57.02 Da	26.4	71.5	4	2623.47	0.36	0.04	ATP5H_MOUSE	B1ASE2_MOUSE	ATP synthase subunit d, mitochondrial;	
KRQSRMEKYV	VDSDTVQAHTVR	N-ter +28.03 Da	27.2	59.9	3	1354.77	0.20	0.01	SYNP2_MOUSE	D3YVV9_MOUSE	Synaptopodin-2;	Myopodin;
LRLQKRGTGG	VDTAAVGAVFDISNADR	N-ter +34.06 Da	43.7	56.7	3	1754.01	0.37	0.02	KCRM_MOUSE		Creatine kinase M-type;	Creatine kinase M chain;M-CK;
EKLGQGGVQK	VDVPAADLSDQVPDTDSETR	N-ter +28.03 Da	57.9	37.7	3	2157.09	0.49	0.06	CO3_MOUSE		Complement C3;	HSE-MSF;
AKDTVMVRTF	VEDQEFHISSFEER	N-ter +34.06 Da	49.0	77.0	3	1784.98	-0.84	0.16	TITIN_MOUSE	E9Q8M7_MOUSE	Titin;	Connectin;
INLKQKGHFF	VEDQIYCEKHAR	N-ter +34.06 Da, K +34.06 Da, C +57.02 Da	20.1	99.1	4	1615.01	0.07	0.01	PDLI1_MOUSE		PDZ and LIM domain protein 1;	C-terminal LIM domain protein 1;Elfin;LIM domain protein CLP-36;
AEFLKQVKPY	VEEGLHPQIIIR	N-ter +28.03 Da	29.4	76.1	3	1430.93	4.31	0.16	TCPH_MOUSE		T-complex protein 1 subunit eta;	CCT-eta;
SSSSSNFHIS	VEESVDGKVVSSR	N-ter +28.03 Da, K +28.03 Da	24.7	80.1	3	1445.89	0.53	0.07	K1C15_MOUSE	B1AQ77_MOUSE	Keratin, type I cytoskeletal 15;	Cytokeratin-15;Keratin-15;
LNLKQKGYFF	VEGELYCETHAR	N-ter +34.06 Da, C +57.02 Da	45.0	61.2	3	1496.81	0.51	0.07	PDLI3_MOUSE		PDZ and LIM domain protein 3;	Actinin-associated LIM protein;Alpha-actinin-2-associated LIM protein;
ICAKLSRQVV	VEKGAEAGSQAEGSPLHPR	N-ter +34.06 Da, K +34.06 Da	59.2	85.3	4	1987.25	1.27	0.10	CASZ1_MOUSE	B1AS47_MOUSE	Zinc finger protein castor homolog 1;	Castor-related protein;
LIKEKLILPY	VELDLHSYDLGIENR	N-ter +34.06 Da	47.0	72.6	3	1806.07	-1.52	0.17	IDHC_MOUSE	F8WIY0_MOUSE	Isocitrate dehydrogenase [NADP] cytoplasmic;	Cytosolic NADP-isocitrate dehydrogenase;IDP;NADP(+)-specific ICDH;Oxalosuccinate decarboxylase;
MGVQ	VETISPGDGR	N-ter +28.03 Da	21.8	38.3	2	1057.58	0.82	0.05	FKB1A_MOUSE	Q1JUQ8_MOUSE	Peptidyl-prolyl cis-trans isomerase FKBP1A;	12 kDa FK506-binding protein;FK506-binding protein 1A;Immunophilin FKBP12;Rotamase;
EVEVLKATEM	VEVGPEDDEVGAERGEATDLLR	N-ter +28.03 Da	36.2	69.1	3	2383.32	-0.79	0.15	PTRF_MOUSE		Polymerase I and transcript release factor;	Cav-p60;Cavin-1;
EVEVLKATEM	VEVGPEDDEVGAER	N-ter +28.03 Da	60.8	34.0	2	1527.76	-0.40	0.06	PTRF_MOUSE		Polymerase I and transcript release factor;	Cav-p60;Cavin-1;
AVQGGAAAPV	VGAVQPVPGMPPMPQAPR	N-ter +34.06 Da	43.0	29.1	3	1862.07	0.51	0.04	SNRPA_MOUSE	D3Z0S6_MOUSE	U1 small nuclear ribonucleoprotein A;	
IDSSWELRVF	VGEEDPEAQSVTLR	N-ter +28.03 Da	42.9	56.7	3	1556.86	0.54	0.03	URP2_MOUSE		Fermitin family homolog 3;	Kindlin-3;Unc-112-related protein 2;

Non Prime Site	Prime Site	Modifications	Hyperscore	Mass error in ppm	Charge	Precursor neutral mass in Da	Fold change (log_2) of ASAPRatio	FC-error of ASAPRatio	Uniprot ID 1	Uniprot ID 2	Protein Name 1	Protein Name 2
M	VGGEASAAVEKLVSGVR	N-ter +34.06 Da, K +34.06 Da	20.9	61.6	3	1696.12	0.10	0.01	C2AIL_MOUSE		CDKN2AIP N-terminal-like protein;	CDKN2A-interacting protein N-terminal-like protein;
GAHLIVKKIF	VGGIKEDTEEHHLR	N-ter +28.03 Da, K +28.03 Da	18.3	93.5	4	1675.03	-0.27	0.03	ROA1_MOUSE	ROA2_MOUSE	Heterogeneous nuclear ribonucleoprotein A1;	HDP-1;Helix-destabilizing protein;Single-strand-binding protein;Topoisomerase-inhibitor suppressed;hnRNP core protein A1;
SIIADDFAAF	VGLPVEEAVKGVLEQGWQADSTTR	N-ter +34.06 Da, K +34.06 Da	50.8	79.8	4	2636.66	-0.23	0.05	CSN8_MOUSE		COP9 signalosome complex subunit 8;	COP9 homolog;JAB1-containing signalosome subunit 8;
HVAHGPLKSG	VGPSQPTTVGTECGFVSR	N-ter +34.06 Da, C +57.02 Da	35.5	50.2	3	1912.05	0.82	0.03	F7CK47_MOUSE		Microtubule-associated protein;	
ASGETLHSPK	VGQPGAAGPVSPMCPGR	N-ter +34.06 Da, C +57.02 Da	54.5	52.5	3	1670.93	0.19	0.01	FETUA_MOUSE		Alpha-2-HS-glycoprotein;	Countertrypin;Fetuin-A;
ISSGTVLSDY	VGSGPPSGTGLHR	N-ter +34.06 Da	34.0	67.0	3	1254.77	-0.52	0.05	PEBP1_MOUSE		Phosphatidylethanolamine-binding protein 1;	HCNPpp;
LVEAARNLGR	VGTKCCTLPEDQR	N-ter +28.03 Da, K +28.03 Da, C +57.02 Da	23.0	62.5	3	1618.88	0.90	0.06	ALBU_MOUSE		Serum albumin;	
M	VGVKPVGSDPDFQPELSGAGSR	N-ter +28.03 Da, K +28.03 Da	34.1	61.8	3	2254.30	0.42	0.05	TXNL1_MOUSE		Thioredoxin-like protein 1;	32 kDa thioredoxin-related protein;
AYLARHVGLR	VGVPTETGALTLNR	N-ter +28.03 Da	40.6	43.5	3	1454.87	-0.14	0.01	THIM_MOUSE		3-ketoacyl-CoA thiolase, mitochondrial;	Acetyl-CoA acyltransferase;Beta-ketothiolase;Mitochondrial 3-oxoacyl-CoA thiolase;
GSGRSPRRSP	VHPESSEGEEHSVVPQR	N-ter +28.03 Da	37.2	93.3	4	1930.10	0.31	0.03	FILA2_MOUSE	E9QPZ3_MOUSE	Filaggrin-2;	Intermediate filament-associated protein;
GQIPCVLTRS	VHSVAIVGAPFSR	N-ter +34.06 Da	35.5	44.9	3	1372.87	-0.76	0.09	ARGI2_MOUSE		Arginase-2, mitochondrial;	Kidney-type arginase;Non-hepatic arginase;Type II arginase;
HIFASFNDTF	VHVTDLSGKETICR	N-ter +28.03 Da, K +28.03 Da, C +57.02 Da	19.7	80.3	4	1670.02	-0.04	0.01	RS14_MOUSE	D3YVF4_MOUSE	40S ribosomal protein S14;	
ARRQSRMEKY	VIESSGHAELAR	N-ter +34.06 Da	32.0	67.8	3	1301.80	-0.47	0.05	SYNPO_MOUSE	E9Q3E2_MOUSE	Synaptopodin;	
KRNTHTRRKR	VIGGKPANVGDYPWQVAIKDGQR	N-ter +28.03 Da, K +28.03 Da	20.3	58.6	4	2551.54	0.10	0.00	CFAI_MOUSE		Complement factor I;	C3B/C4B inactivator;
STGAAKAVGK	VIPELNGKLTGMAFR	N-ter +28.03 Da, K +28.03 Da	25.6	60.5	3	1701.07	-1.94	0.08	E9Q9E5_MOUSE	G3P_MOUSE	Glyceraldehyde-3-phosphate dehydrogenase;	
AIAEFARSLL	VIPNTLAVNAAQDSTDLVAKLR	N-ter +28.03 Da, K +28.03 Da	40.1	74.5	4	2364.51	0.03	0.01	TCPA_MOUSE		T-complex protein 1 subunit alpha;	CCT-alpha;Tailless complex polypeptide 1A;Tailless complex polypeptide 1B;
TKFENAFLSH	VISQHQSLLGNIR	N-ter +28.03 Da	26.0	29.6	3	1491.90	0.35	0.01	ATPA_MOUSE	D3Z6F5_MOUSE	ATP synthase subunit alpha, mitochondrial;	
DVDLHLKGPN	VKGEYDVTVPR	N-ter +34.06 Da, K +34.06 Da	32.2	40.2	3	1329.85	0.04	0.00	F7BRM2_MOUSE	E9Q616_MOUSE		
M	VKIVTVKTQAYPDQKPGTSGLR	N-ter +34.06 Da, K +34.06 Da	16.0	59.3	4	2521.74	-1.25	0.12	PGM1_MOUSE		Phosphoglucomutase-1;	Glucose phosphomutase 1;
E	VKLVESGGGLVQPGGSLR	N-ter +34.06 Da, K +34.06 Da	38.1	61.8	3	1949.28	-0.11	0.01	HVM17_MOUSE	HVM18_MOUSE	Ig heavy chain V region MOPC 47A;	
ITPIQTSLAY	VKTSESLKQNNR	N-ter +28.03 Da, K +28.03 Da	11.3	33.2	4	1486.90	4.40	0.10	KCNH5_MOUSE		Potassium voltage-gated channel subfamily H member 5;	Ether-a-go-go potassium channel 2;Voltage-gated potassium channel subunit Kv10.2;
N	VLASEPEIPKGIR	N-ter +34.06 Da, K +34.06 Da	21.5	29.2	3	1475.98	4.69	0.43	KAD2_MOUSE	F7BP55_MOUSE	Adenylate kinase 2, mitochondrial;	ATP-AMP transphosphorylase 2;
M	VLESTMVCVDNSEYMR	N-ter +34.06 Da, C +57.02 Da	53.1	52.3	3	1966.01	0.08	0.01	PSMD4_MOUSE		26S proteasome non-ATPase regulatory subunit 4;	26S proteasome regulatory subunit RPN10;26S proteasome regulatory subunit S5A;Multiubiquitin chain-binding protein;
M	VLLESEQFLTELTR	N-ter +28.03 Da	44.6	52.8	3	1705.02	-1.06	0.15	SRP14_MOUSE	A2AUM6_MOUSE	Signal recognition particle 14 kDa protein;	
QKVPTANLEN	VLPLAEDFTEILSR	N-ter +34.06 Da	39.7	40.0	3	1636.00	-2.25	0.21	VTDB_MOUSE		Vitamin D-binding protein;	Gc-globulin;Group-specific component;
EPPKQSTSFL	VLQEILESDGKGDPNKPSGFR	N-ter +28.03 Da, K +28.03 Da	20.5	79.0	4	2369.45	0.56	0.05	PDLI1_MOUSE		PDZ and LIM domain protein 1;	C-terminal LIM domain protein 1;Elfin;LIM domain protein CLP-36;
VDPNSRNSSR	VLRPPGGGSNFSLGFDEPAEQPVR	N-ter +34.06 Da	47.4	80.2	4	2559.54	-1.60	0.19	HN1_MOUSE		Hematological and neurological expressed 1 protein;	
HRMTTLFCIN	VLSEVCGQDITTKHMLPTVLR	N-ter +28.03 Da, K +28.03 Da, C +57.02 Da	43.2	69.6	4	2452.49	0.93	0.07	2AAA_MOUSE		Serine/threonine-protein phosphatase 2A 65 kDa regulatory subunit A alpha isoform;	PP2A subunit A isoform PR65-alpha;PP2A subunit A isoform R1-alpha;
PFMWNEHLGY	VLTCPSNLGTGLR	N-ter +34.06 Da, C +57.02 Da	21.8	53.9	3	1420.87	0.16	0.01	KCRM_MOUSE		Creatine kinase M-type;	Creatine kinase M chain;M-CK;
LSKHNNHMAK	VLTPDLYNKLR	N-ter +34.06 Da, K +34.06 Da	25.9	26.7	3	1398.92	-0.32	0.02	KCRM_MOUSE		Creatine kinase M-type;	Creatine kinase M chain;M-CK;
GFGSLGLMTS	VLVCPDGKTIEAEAAHGTVTR	N-ter +28.03 Da, K +28.03 Da, C +57.02 Da	21.6	70.9	4	2279.36	0.61	0.05	IDHP_MOUSE		Isocitrate dehydrogenase [NADP], mitochondrial;	ICD-M;IDP;NADP(+)-specific ICDH;Oxalosuccinate decarboxylase;
DQVIQFFIAL	VNDPQPEHPLR	N-ter +34.06 Da	27.8	58.5	3	1334.79	0.57	0.05	UB2L3_MOUSE		Ubiquitin-conjugating enzyme E2 L3;	UbcM4;Ubiquitin carrier protein L3;Ubiquitin-protein ligase L3;
M	VNFTVDQIR	N-ter +28.03 Da	27.7	11.3	2	1118.62	1.29	0.07	EF2_MOUSE		Elongation factor 2;	
KSAVSCLWAK	VNPDEVGGEALGR	N-ter +34.06 Da	34.7	29.6	2	1345.74	-0.04	0.00	HBB2_MOUSE		Hemoglobin subunit beta-2;	Beta-2-globin;Hemoglobin beta-2 chain;Hemoglobin beta-minor chain;
M	VNPTVFFDITADDEPLGR	N-ter +28.03 Da	61.6	39.2	2	2033.09	0.53	0.12	PPIA_MOUSE	E9Q1E3_MOUSE	Peptidyl-prolyl cis-trans isomerase A;	Cyclophilin A;Cyclosporin A-binding protein;Rotamase A;SP18;
KAAVSCLWGK	VNSDEVGGEALGR	N-ter +34.06 Da	21.3	34.0	2	1335.73	-0.25	0.02	HBB1_MOUSE		Hemoglobin subunit beta-1;	Beta-1-globin;Hemoglobin beta-1 chain;Hemoglobin beta-major chain;
NGKLTGMAFR	VPTPNVSVVDLTCR	N-ter +34.06 Da, C +57.02 Da	57.5	36.0	3	1589.92	-1.29	0.16	G3PT_MOUSE	G3P_MOUSE	Glyceraldehyde-3-phosphate dehydrogenase, testis-specific;	Spermatogenic cell-specific glyceraldehyde 3-phosphate dehydrogenase 2;Spermatogenic glyceraldehyde-3-phosphate dehydrogenase;
M	VQAWYMDESTADPR	N-ter +34.06 Da	31.6	58.4	3	1701.89	0.30	0.02	MTND_MOUSE		1,2-dihydroxy-3-keto-5-methylthiopentene dioxygenase;	Acireductone dioxygenase (Fe(2+)-requiring);Membrane-type 1 matrix metalloproteinase cytoplasmic tail-binding protein 1;
QVFEMKVKEK	VQKLKDSEAELQR	N-ter +34.06 Da, K +34.06 Da	25.2	82.7	4	1645.16	0.47	0.02	SEPT7_MOUSE	E9Q9F5_MOUSE	Septin-7;	CDC10 protein homolog;
SGKGTQCEKI	VQKYGYTHLSTGDLLR	N-ter +34.06 Da, K +34.06 Da	20.5	66.0	4	1918.22	0.88	0.05	KAD1_MOUSE		Adenylate kinase isoenzyme 1;	ATP-AMP transphosphorylase 1;Myokinase;
LSGTAGVQSQ	VQLQQSGAELVK	N-ter +28.03 Da, K +28.03 Da	44.7	35.6	3	1483.88	0.89	0.09	HVM00_MOUSE		Ig heavy chain V region;	Anti-arsonate antibody;

Non Prime Site	Prime Site	Modifications	Hyperscore	Mass error in ppm	Charge	Precursor neutral mass in Da	Fold change (log_2) of ASAPRatio	FC-error of ASAPRatio	Uniprot ID 1	Uniprot ID 2	Protein Name 1	Protein Name 2
MSKALPLTKV	VQNDAYTAPVLPSSVR	N-ter +28.03 Da	26.2	50.2	3	1744.00	-0.15	0.01	PDIP3_MOUSE	Q3UDD3_MOUSE	Polymerase delta-interacting protein 3;	S6K1 Aly/REF-like target;
LELESKSNKI	VQSVIQTAVDQFAR	N-ter +28.03 Da	26.3	47.1	3	1588.93	0.10	0.00	AKA12_MOUSE		A-kinase anchor protein 12;	Germ cell lineage protein gercelin;Src-suppressed C kinase substrate;
EMVAKQIPYD	VQYSDIDYMER	N-ter +34.06 Da	26.2	25.1	3	1451.72	-3.32	0.33	B5THE2_MOUSE			
RSIIRNVKGP	VREGDVLTLLESER	N-ter +34.06 Da	48.3	78.6	3	1649.05	-0.84	0.08	RS28_MOUSE		40S ribosomal protein S28;	
TSVVRPFAKL	VRPPVQVYGIEGR	N-ter +28.03 Da	49.0	34.7	3	1496.90	0.45	0.02	ATPO_MOUSE	D3Z4J0_MOUSE	ATP synthase subunit O, mitochondrial;	Oligomycin sensitivity conferral protein;
FGTKGLAVTF	VSDENDAKILNDVQDR	N-ter +28.03 Da, K +28.03 Da	23.5	62.8	3	1886.06	-0.40	0.05	DX39A_MOUSE	DX39B_MOUSE	ATP-dependent RNA helicase DDX39A;	DEAD box protein 39;
SEGNELLVQF	VSDLSVTADGFSASYR	N-ter +34.06 Da	36.5	48.5	3	1707.94	0.82	0.04	PCOC1_MOUSE	D3YUE2_MOUSE	Procollagen C-endopeptidase enhancer 1;	P14;Procollagen COOH-terminal proteinase enhancer 1;Type 1 procollagen C-proteinase enhancer protein;Type I procollagen COOH-terminal proteinase enhancer;
DNGMVLGEQE	VSDNELQELSTQGSR	N-ter +34.06 Da	49.0	58.0	3	1695.95	0.52	0.04	CLUS_MOUSE	E9Q9B8_MOUSE	Clusterin;	Apolipoprotein J;Clustrin;Sulfated glycoprotein 2;
GMKVLQTRGF	VSDSSDSMDTGAGSIR	N-ter +34.06 Da	69.5	34.3	2	1617.79	0.65	0.10	ATIF1_MOUSE	Q9D879_MOUSE	ATPase inhibitor, mitochondrial;	Inhibitor of F(1)F(o)-ATPase;
GRRGQFGARG	VSEGSAAMAAGESMAQR	N-ter +28.03 Da	60.1	62.8	3	1679.87	0.03	0.00	ORN_MOUSE		Oligoribonuclease, mitochondrial;	RNA exonuclease 2 homolog;Small fragment nuclease;
IESTECRKTR	VSGEHMDLTTCPLAAGGQQEKLR	N-ter +28.03 Da, K +28.03 Da, C +57.02 Da	58.0	68.9	4	2553.44	0.37	0.04	Q9D1B1_MOUSE			
VWAAVPGKTF	VSITPAEVGVLVGKDR	N-ter +34.06 Da, K +34.06 Da	33.0	58.9	3	1707.16	-1.43	0.12	PROF1_MOUSE	Q5SX49_MOUSE	Profilin-1;	Profilin I;
QRPEPQQVGT	VSLHLGVTPSVLR	N-ter +34.06 Da	34.8	54.4	3	1410.95	0.19	0.04	TPP1_MOUSE		Tripeptidyl-peptidase 1;	Lysosomal pepstatin-insensitive protease;Tripeptidyl aminopeptidase;Tripeptidyl-peptidase I;
ALSVRNLSPY	VSNELLEEAFSQFGPIER	N-ter +28.03 Da	45.0	59.0	3	2092.17	0.94	0.20	SFPQ_MOUSE		Splicing factor, proline- and glutamine-rich;	DNA-binding p52/p100 complex, 100 kDa subunit;Polypyrimidine tract-binding protein-associated-splicing factor;
GQAAPVLGLA	VSSELQIQQSFVPDECPR	N-ter +34.06 Da, C +57.02 Da	41.5	22.6	3	2152.12	-0.32	0.03	FKBP9_MOUSE		Peptidyl-prolyl cis-trans isomerase FKBP9;	63 kDa FK506-binding protein;FK506-binding protein 9;FKBP65RS;Rotamase;
FSFVGEACKK	VTFHVPSTLEVDKIIGR	N-ter +28.03 Da, K +28.03 Da	22.4	99.1	4	1966.32	1.14	0.06	DSC3_MOUSE		Desmocollin-3;	
SLAGNTFSAK	VTGKEASCHDAVAGCPR	N-ter +28.03 Da, K +28.03 Da, C +57.02 Da	25.8	105.8	4	1870.08	-0.07	0.02	ISK3_MOUSE		Serine protease inhibitor Kazal-type 3;	P12;Prostatic secretory glycoprotein;
ARQSRRSTQG	VTLTDLQEAEKTIGR	N-ter +34.06 Da, K +34.06 Da	22.4	67.3	3	1741.14	-0.11	0.01	MYPT1_MOUSE		Protein phosphatase 1 regulatory subunit 12A;	Myosin phosphatase-targeting subunit 1;
YSPLAHRAYS	VVAGGPEVTLTPER	N-ter +34.06 Da	41.1	44.4	3	1457.89	0.08	0.00	D2HDH_MOUSE	E9QN44_MOUSE	D-2-hydroxyglutarate dehydrogenase, mitochondrial;	
SPLPVIPHQK	VVANSPANADYQER	N-ter +34.06 Da	37.0	76.8	3	1566.91	-0.81	0.09	E9PYJ9_MOUSE			
STSQLVACTK	VVAPTISSPVCQEQLVEAGR	N-ter +28.03 Da, C +57.02 Da	49.2	26.4	3	2167.19	1.14	0.12	TLN1_MOUSE	F8WGT0_MOUSE	Talin-1;	
AKRQSRMEKY	VVDSDTVQAHTVR	N-ter +34.06 Da	47.4	70.8	3	1459.89	0.60	0.08	SYNP2_MOUSE	D3YVV9_MOUSE	Synaptopodin-2;	Myopodin;
VGDGETVEFD	VVEGEKGAEAANVTGPDGVPVEGSR	N-ter +28.03 Da, K +28.03 Da	49.2	68.9	4	2479.43	0.80	0.09	DBPA_MOUSE	F6TIF5_MOUSE	DNA-binding protein A;	Cold shock domain-containing protein A;Y-box protein 3;
SRMAKPEEVL	VVENDQGEVVR	N-ter +34.06 Da	23.8	26.7	2	1276.72	1.14	0.10	XPO1_MOUSE		Exportin-1;	Chromosome region maintenance 1 protein homolog;
LIATEEGFKA	VVGDDEYLHFHHR	N-ter +28.03 Da	36.4	94.3	4	1650.95	1.02	0.11	LEG7_MOUSE	Q9CRB1_MOUSE	Galectin-7;	
DGVHNKLVPF	VVQLSGHLAQETER	N-ter +34.06 Da	38.5	55.3	3	1599.97	1.49	0.11	APOA4_MOUSE		Apolipoprotein A-IV;	Apolipoprotein A4;
PKFLTPLMDR	VVVAGYTAALNCAVR	N-ter +34.06 Da, C +57.02 Da	43.2	31.6	3	1596.94	-1.60	0.10	MYPC2_MOUSE	F8WI34_MOUSE	Myosin-binding protein C, fast-type;	C-protein, skeletal muscle fast isoform;
AALPADPPAS	VVVGPVVVPR	N-ter +34.06 Da	26.8	26.7	2	1053.74	0.42	0.02	FETUA_MOUSE		Alpha-2-HS-glycoprotein;	Countertrypin;Fetuin-A;
RCTVSLARYR	VVVKEEMDASIKKMK	N-ter +28.03 Da, K +28.03 Da	28.6	18.3	3	1874.13	1.91	0.37	SPAS2_MOUSE		Spermatogenesis-associated serine-rich protein 2;	Serine-rich spermatocytes and round spermatid 59 kDa protein;p59scr;
FSLGLSLLLL	VVVSVIGSQNSQLR	N-ter +34.06 Da	36.7	29.4	3	1518.94	0.18	0.01	MMGL_MOUSE	F8WHB7_MOUSE	Macrophage asialoglycoprotein-binding protein 1;	MMGL;Macrophage galactose/N-acetylgalactosamine-specific lectin;
YSDSPGLHRY	VWLVYEQEQPLSCDEPILSNKSGDNR	N-ter +34.06 Da, K +34.06 Da, C +57.02 Da	55.7	75.0	4	3143.82	4.27	0.29	PEBP1_MOUSE	D3Z1V4_MOUSE	Phosphatidylethanolamine-binding protein 1;	HCNPpp;
IWHNDNKSFL	VWVNEEDHLR	N-ter +28.03 Da	35.8	50.4	3	1323.72	-0.22	0.00	KCRM_MOUSE		Creatine kinase M-type;	Creatine kinase M chain;M-CK;
GSVAGGAVYL	VYDQELLGPSDKSEAALR	N-ter +28.03 Da, K +28.03 Da	31.8	58.0	3	2046.18	0.50	0.09	QIL1_MOUSE		Protein QIL1;	
SPGLHRYVWL	VYEQEQPLSCDEPILSNKSGDNR	N-ter +34.06 Da, K +34.06 Da, C +57.02 Da	46.0	76.6	4	2745.57	-2.74	0.55	PEBP1_MOUSE	D3Z1V4_MOUSE	Phosphatidylethanolamine-binding protein 1;	HCNPpp;
KIKGLVRAPQ	VYILPPPAEQLSR	N-ter +28.03 Da	37.9	38.3	3	1509.91	-0.74	0.03	IGG2B_MOUSE		Ig gamma-2B chain C region;	
DAEKSAVSCL	WAKVNPDEVGGEALGR	N-ter +34.06 Da, K +34.06 Da	37.0	53.0	3	1765.07	-3.06	0.26	HBB2_MOUSE		Hemoglobin subunit beta-2;	Beta-2-globin;Hemoglobin beta-2 chain;Hemoglobin beta-minor chain;
VSLYGNPVRY	WEIFPNTFR	N-ter +28.03 Da	24.0	46.3	2	1236.69	-1.89	0.21	PGS2_MOUSE		Decorin;	Bone proteoglycan II;PG-S2;PG40;
LLPQWPAASA	WELTILHTNDVHSR	N-ter +34.06 Da	25.5	93.0	4	1754.10	0.58	0.03	5NTD_MOUSE		5'-nucleotidase;	Ecto-5'-nucleotidase;
GVAGSLMAVA	WFIITQEILTPLFPR	N-ter +34.06 Da	19.6	72.5	4	1907.25	0.04	0.00	DOPP1_MOUSE		Dolichyldiphosphatase 1;	Dolichyl pyrophosphate phosphatase 1;Protein 2-23;
DAEKAAVSCL	WGKVNSDEVGGEALGR	N-ter +28.03 Da, K +28.03 Da	32.5	70.4	3	1729.00	-0.27	0.03	HBB1_MOUSE		Hemoglobin subunit beta-1;	Beta-1-globin;Hemoglobin beta-1 chain;Hemoglobin beta-major chain;
LASLSTFQQM	WISKQEYDESGPSIVHR	N-ter +34.06 Da, K +34.06 Da	42.1	75.3	4	2098.27	0.36	0.05	ACTB_MOUSE	ACTG_MOUSE	Actin, cytoplasmic 1;	Beta-actin;
LASLSTFQQM	WITKQEYDEAGPSIVHR	N-ter +34.06 Da, K +34.06 Da	35.3	52.9	4	2096.24	0.35	0.03	ACTS_MOUSE		Actin, alpha skeletal muscle;	Alpha-actin-1;
KDTIARALPF	WNEEIAPKIKAGQR	N-ter +34.06 Da, K +34.06 Da	26.1	83.0	4	1741.22	-0.97	0.10	PGAM2_MOUSE		Phosphoglycerate mutase 2;	BPG-dependent PGAM 2;Muscle-specific phosphoglycerate mutase;Phosphoglycerate mutase isozyme M;
LAHFDPRVTM	WVFEEDIGGR	N-ter +34.06 Da	31.0	57.1	2	1240.70	3.12	0.10	GPDA_MOUSE	E0CXN5_MOUSE	Glycerol-3-phosphate dehydrogenase [NAD+], cytoplasmic;	

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SAAVLRPGLG	WYTVNSAYGDTIVMPCR	N-ter +28.03 Da, C +57.02 Da	32.9	58.6	3	2060.07	0.72	0.11	CD166_MOUSE	Q5MPX5_MOUSE	CD166 antigen;	Activated leukocyte cell adhesion molecule;Protein DM-GRASP;
SNQGRYYEPY	YAAGPSYGGR	N-ter +28.03 Da	23.5	46.6	2	1025.54	-0.03	0.01	LPP_MOUSE		Lipoma-preferred partner homolog;	
DPLFPPIEKF	YALDPSFPR	N-ter +28.03 Da	30.1	48.6	2	1092.61	-2.06	0.00	NSUN2_MOUSE		tRNA (cytosine(34)-C(5))-methyltransferase;	Myc-induced SUN domain-containing protein;NOL1/NOP2/Sun domain family member 2;
QSDGLWLVEF	YAPWCGHCQR	N-ter +28.03 Da, C +57.02 Da	22.6	66.9	3	1361.67	-0.69	0.10	PDIA6_MOUSE	Q3TML0_MOUSE	Protein disulfide-isomerase A6;	Thioredoxin domain-containing protein 7;
NSPLVSRLTL	YDIAHTPGVAADLSHIETR	N-ter +34.06 Da	27.1	58.8	4	2099.21	-0.67	0.09	MDHM_MOUSE		Malate dehydrogenase, mitochondrial;	
LKSGENFKLL	YDLADQLHAAVGASR	N-ter +34.06 Da	52.1	72.3	3	1619.96	-0.60	0.05	ETFA_MOUSE		Electron transfer flavoprotein subunit alpha, mitochondrial;	
NDNFVKLISW	YDNEYGYSNR	N-ter +34.06 Da	28.3	66.2	3	1313.66	-1.29	0.09	G3P_MOUSE	G3PT_MOUSE	Glyceraldehyde-3-phosphate dehydrogenase;	Peptidyl-cysteine S-nitrosylase GAPDH;
LREDPAYLHY	YDPAGGEDPLGAVHLR	N-ter +34.06 Da	75.3	69.1	3	1699.99	0.50	0.06	PLEK_MOUSE	Q8CAG6_MOUSE	Pleckstrin;	
VKCAQIEAKF	YEEVHDLER	N-ter +34.06 Da	22.2	71.7	3	1222.69	-3.47	0.39	NP1L1_MOUSE	NP1L4_MOUSE	Nucleosome assembly protein 1-like 1;	Brain protein DN38;NAP-1-related protein;
VNIGGAGSYI	YEKPQTEAPQVTGPIEVPVVR	N-ter +28.03 Da, K +28.03 Da	56.3	72.6	4	2392.47	0.89	0.09	CRIP2_MOUSE		Cysteine-rich protein 2;	Heart LIM protein;
TWSPSEWQMA	YEPQGGSGYDYSYAGGR	N-ter +34.06 Da	47.6	53.8	3	1859.92	-0.49	0.06	HNRPK_MOUSE	E9Q8D6_MOUSE	Heterogeneous nuclear ribonucleoprotein K;	
PPLNPILSAN	YERPVLHLVALNTPVAGDIR	N-ter +34.06 Da	42.6	80.8	4	2266.48	1.39	0.11	COFA1_MOUSE	A2AJY7_MOUSE	Collagen alpha-1(XV) chain;	
LGLAAADPAI	YFKEQFLDGDAWTNR	N-ter +28.03 Da, K +28.03 Da	43.1	64.6	3	1945.06	1.64	0.22	CALR_MOUSE		Calreticulin;	CRP55;Calregulin;Endoplasmic reticulum resident protein 60;HACBP;
LCAIPNLREN	YGELADCCTKQEPER	N-ter +28.03 Da, K +28.03 Da, C +57.02 Da	19.7	70.4	3	1910.99	0.12	0.02	ALBU_MOUSE		Serum albumin;	
QPQQQQMTSS	YGGYKEPAAPVSIQR	N-ter +34.06 Da, K +34.06 Da	22.6	55.6	3	1703.06	-0.25	0.02	LASP1_MOUSE	A2A6H0_MOUSE	LIM and SH3 domain protein 1;	Metastatic lymph node gene 50 protein;
KLTLTELIDF	YGIDDNLLHYNR	N-ter +28.03 Da	35.4	43.4	3	1519.81	-0.34	0.03	SFR1_MOUSE		Swi5-dependent recombination DNA repair protein 1 homolog;	Meiosis protein 5 homolog;
YEEALCLAHT	YGLDTDLVYQR	N-ter +28.03 Da	21.7	44.8	2	1369.75	3.30	0.15	E9Q411_MOUSE			
AMGEPGPRGP	YGLPGKDGEPGLDGFPGPR	N-ter +28.03 Da, K +28.03 Da	30.3	45.9	3	1984.10	1.56	0.13	COPA1_MOUSE	D3Z3G9_MOUSE	Collagen alpha-1(XXV) chain;	CLAC-P;
LGGNFASQMS	YGYDEKSAGVSVPGPMGPSGPR	N-ter +34.06 Da, K +34.06 Da	59.4	56.4	3	2275.29	1.24	0.19	CO1A1_MOUSE	F8WGB7_MOUSE	Collagen alpha-1(I) chain;	Alpha-1 type I collagen;
GTQCEKIVQK	YGYTHLSTGDLLR	N-ter +34.06 Da	38.8	50.0	3	1528.89	-1.32	0.10	KAD1_MOUSE		Adenylate kinase isoenzyme 1;	ATP-AMP transphosphorylase 1;Myokinase;
KAIMTYVSSF	YHAFSGAQKAETAANR	N-ter +34.06 Da, K +34.06 Da	29.9	98.0	4	1789.13	-1.60	0.15	ACTN1_MOUSE	ACTN4_MOUSE	Alpha-actinin-1;	Alpha-actinin cytoskeletal isoform;F-actin cross-linking protein;Non-muscle alpha-actinin-1;
AKVNDLVATA	YKTIKTKLPLTLR	N-ter +34.06 Da, K +34.06 Da	14.5	85.6	4	1710.39	-0.86	0.03	COG3_MOUSE	E9QL65_MOUSE	Conserved oligomeric Golgi complex subunit 3;	Component of oligomeric Golgi complex 3;
VSADTRCHSC	YKVPVLGCVDR	N-ter +28.03 Da, K +28.03 Da, C +57.02 Da	30.9	47.4	3	1360.82	0.77	0.01	LY66C_MOUSE		Lymphocyte antigen 6 complex locus protein G6c;	
AGLPTSLLTL	YLDNNKISNIPDEYFKR	N-ter +28.03 Da, K +28.03 Da	41.1	60.5	4	2212.29	1.55	0.06	LUM_MOUSE		Lumican;	Keratan sulfate proteoglycan lumican;
KYQLVAGIKY	YLTLDIESTECR	N-ter +34.06 Da, C +57.02 Da	35.0	40.8	3	1532.82	-1.25	0.15	Q9D1B1_MOUSE			
LGKLPSLAFL	YMEKNQLEEVPSALPR	N-ter +34.06 Da, K +34.06 Da	39.5	61.8	3	1971.20	0.28	0.02	PRELP_MOUSE		Prolargin;	Proline-arginine-rich end leucine-rich repeat protein;
ETIKKRLETY	YNATEPVISFYDKR	N-ter +34.06 Da, K +34.06 Da	29.1	63.6	3	1770.08	-1.03	0.11	KAD1_MOUSE		Adenylate kinase isoenzyme 1;	ATP-AMP transphosphorylase 1;Myokinase;
VGASDGYLYM	YNLDPQEGGECALMR	N-ter +28.03 Da, C +57.02 Da	43.1	54.4	3	1779.89	0.85	0.09	WIPI2_MOUSE	D3YWK1_MOUSE	WD repeat domain phosphoinositide-interacting protein 2;	
DLAVDSASPV	YQAVIKTQSKPEDEADEWAR	N-ter +34.06 Da, K +34.06 Da	16.1	59.9	4	2465.48	0.00	0.00	LDB3_MOUSE	E9PYJ9_MOUSE	LIM domain-binding protein 3;	Protein cypher;Protein oracle;Z-band alternatively spliced PDZ-motif protein;
DKAKELWDTL	YQLETDKFEFGEKLKR	N-ter +28.03 Da, K +28.03 Da	19.5	77.3	4	2142.34	2.04	0.21	TNNT3_MOUSE	A2A6J0_MOUSE	Troponin T, fast skeletal muscle;	Fast skeletal muscle troponin T;
SKSLSPGLLG	YQQPSLLAAPLGLADAHR	N-ter +34.06 Da	45.9	54.2	3	1954.19	-1.22	0.06	NFAC2_MOUSE	B5B2Q6_MOUSE	Nuclear factor of activated T-cells, cytoplasmic 2;	NFAT pre-existing subunit;T-cell transcription factor NFAT1;
PGLTGNFAAQ	YSDKGVSSGPGPMGLMGPR	N-ter +34.06 Da, K +34.06 Da	67.9	58.4	3	1960.13	1.98	0.07	CO1A2_MOUSE	E0CXI2_MOUSE	Collagen alpha-2(I) chain;	Alpha-2 type I collagen;
SPRRSQVHPE	YSEGEAHSEVSQR	N-ter +34.06 Da	42.1	69.1	3	1511.81	1.01	0.24	FILA2_MOUSE	E9QPZ3_MOUSE	Filaggrin-2;	Intermediate filament-associated protein;
PAAAVCSIRC	YSHGSHETDEEFDAR	N-ter +34.06 Da	20.4	113.2	4	1812.98	-0.09	0.01	COX5A_MOUSE		Cytochrome c oxidase subunit 5A, mitochondrial;	Cytochrome c oxidase polypeptide Va;
AAMKANTMSN	YSLLPASLLDHR	N-ter +28.03 Da	45.5	78.0	3	1411.89	0.66	0.08	ST2B1_MOUSE	E9QKC1_MOUSE	Sulfotransferase family cytosolic 2B member 1;	Alcohol sulfotransferase;Hydroxysteroid sulfotransferase 2;
CTFFLAVSGL	YSSSDDVIELTPSNFNR	N-ter +34.06 Da	49.0	39.0	3	1977.03	0.60	0.05	PDIA6_MOUSE	Q3TML0_MOUSE	Protein disulfide-isomerase A6;	Thioredoxin domain-containing protein 7;
QQJIITPIKA	YSVLQATPTAKDEGR	N-ter +28.03 Da, K +28.03 Da	36.4	65.8	3	1691.00	0.12	0.01	SMAG2_MOUSE		Protein Smaug homolog 2;	Sterile alpha motif domain-containing protein 4B;
SYMKIDELSL	YSVPEGQSKYVEEPR	N-ter +34.06 Da, K +34.06 Da	22.7	67.4	3	1835.10	-0.07	0.01	APOO_MOUSE	B1ASQ2_MOUSE	Apolipoprotein O;	Protein FAM121B;
NCSSRPVGGR	YTAPVGPVTTASAR	N-ter +28.03 Da	42.0	44.5	3	1417.82	-0.22	0.03	E9Q2E9_MOUSE			
GAGNNWAKGH	YTEGAELVDSVLDVVR	N-ter +34.06 Da	63.2	59.1	3	1798.06	-0.27	0.03	TBB2A_MOUSE	TBB2B_MOUSE	Tubulin beta-2A chain;	
YGFQNAILVR	YTQKAPQVSTPTLVEAAR	N-ter +28.03 Da, K +28.03 Da	53.4	60.6	3	2015.23	1.18	0.14	ALBU_MOUSE		Serum albumin;	
QKIGQPTLLL	YVDAGAETMTQR	N-ter +28.03 Da	31.1	70.5	3	1368.73	0.64	0.03	KAD1_MOUSE		Adenylate kinase isoenzyme 1;	ATP-AMP transphosphorylase 1;Myokinase;
MYAKRAFVHW	YVGEGMEEGEFSEAR	N-ter +28.03 Da	42.0	67.8	3	1716.85	0.10	0.02	TBA1A_MOUSE	TBA1B_MOUSE	Tubulin alpha-1A chain;	Alpha-tubulin 1;Alpha-tubulin isotype M-alpha-1;Tubulin alpha-1 chain;
HPFMWNEHLG	YVLTCPSNLGTGLR	N-ter +28.03 Da, C +57.02 Da	26.8	49.8	3	1577.90	-1.18	0.08	KCRM_MOUSE		Creatine kinase M-type;	Creatine kinase M chain;M-CK;
KAPEGEETEF	YVSPEDLEAQLQSDER	N-ter +34.06 Da	47.7	46.0	3	1912.02	0.77	0.06	DNJC5_MOUSE		DnaJ homolog subfamily C member 5;	Cysteine string protein;
DPALKYNVTW	YVSSSPCAACADR	N-ter +34.06 Da, C +57.02 Da	32.7	67.4	3	1476.75	-0.11	0.03	ABEC2_MOUSE		Probable C->U-editing enzyme APOBEC-2;	
SLWKFETSKY	YVTIIDAPGHR	N-ter +34.06 Da	41.5	50.5	3	1274.78	0.41	0.01	EF1A1_MOUSE	D3Z3I8_MOUSE	Elongation factor 1-alpha 1;	Elongation factor Tu;Eukaryotic elongation factor 1 A-1;
LQKRPKPDEK	YYSSSIWGPTCDGLDR	N-ter +34.06 Da, C +57.02 Da	23.3	88.1	4	1910.04	-6.64	0.00	DCOR_MOUSE	Q8CIC5_MOUSE	Ornithine decarboxylase;	

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