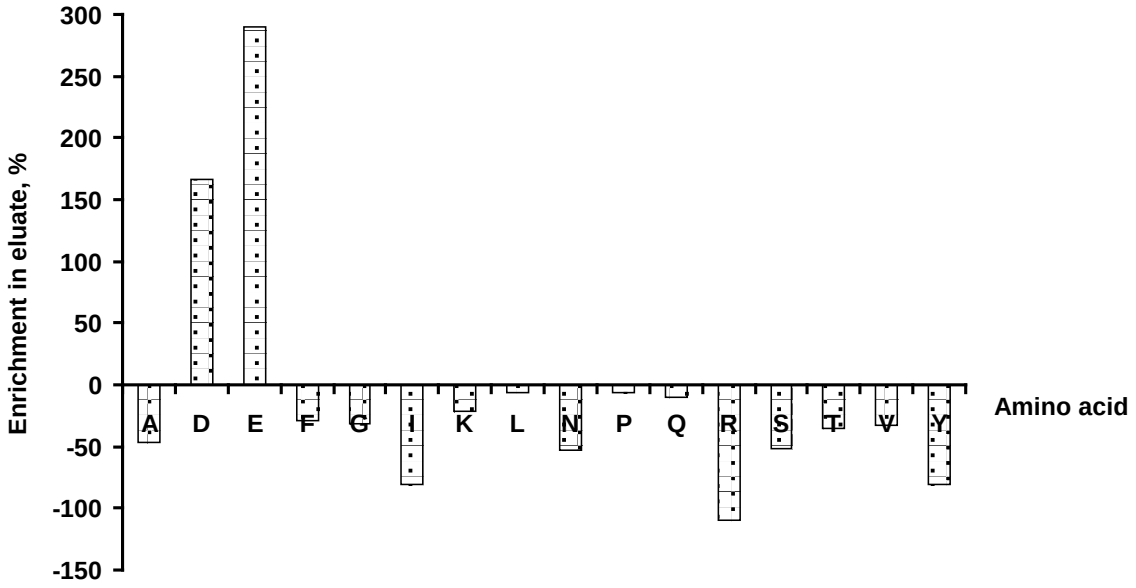
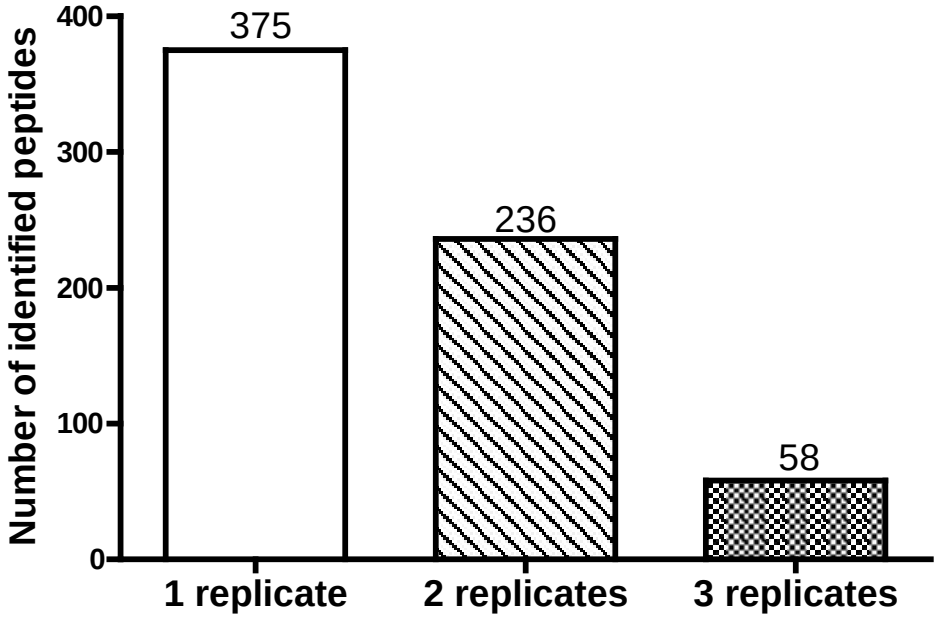


Supplementary Figure 1. Comparison between the amino acid composition of non-phosphorylated peptides present in the 50 mM eluates of IMAC-Al^{3+} columns and the average amino acid composition of peptides present in UniProt/SwissProt database.

The graph shows coenrichment of acidic peptides during phosphopeptide enrichment on IMAC-Al^{3+} resin which is common for IMAC techniques. Data for Cys, His, Met, Trp and Tyr are not presented since the number of these amino acids in non-phosphorylated peptides found in eluate was not sufficient for analysis (<20).



Supplementary Figure 2. Reproducibility of protein identification.

Figure illustrates the number of proteins identified in three, two and one biological replicates of cytosole samples. Only proteins identified by 2 and more non-redundant peptides were considered for analysis. Similar data were obtained for endosomal samples (not shown).

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Supplementary Table 1. Peptides of digested protein standards detected in the 50 mM phosphate eluate from IMAC-Al^{3+} column.

Charge	Score	PhosphoSite	Sequence	m/z	Protein name
3	21.44	S130	YKVPQLEIVPNsAEER	651.47	Alpha casein
2	14.2	S130	VPQLEIVPNsAEER	831.23	
2	13.12	S61/S63	DIGsEsTEDQAMEDIK	964.35	
2	14.83	S61	DIGsESTEDQAMEDIK	925.03	
2	16.4	T159	TVDMEStEVFTK	733.88	
3	19.49	S46	NMAINPsKENLCSTFCK	699.03	
2	15.7	S345	EVVGsAEAGVDAASVSEEFR	1044.98	Ovalbumin

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Supplementary Table 2. Rat liver phosphoroteins identified by 2 and more non-redundant peptides.

						Relative abundance											
						Cytosols						Endosomes					
Acc # (a)	Protein name	Protein score (b)	Coverage %	Peptides	Phosphopeptides	Ctrl1	Ctrl2	Ctrl3	Ins1	Ins2	Ins3	Ctrl1	Ctrl2	Ctrl3	Ins1	Ins2	Ins3
Q80X08	WASH complex subunit FAM21	1050.34	60	60	23	5E+09	1E+09	1E+10	5E+09	6E+08	5.3E+09	7E+10	5E+10	2E+10	5E+10	3E+10	2.1E+10
Q3UH79	capicua homolog	158.25	6	11	9	2E+08	5E+07	1E+09	2E+07	3E+07	3.5E+07						
Q3ZB99	Tight junction protein 2	252.65	20	15	8	5E+09	3E+09	8E+09	2E+09	3E+09	5.7E+09	6E+08	3E+08	7E+07		3E+08	1.8E+09
Q5PRE9	Ncor1 protein	154.22	6	9	7			4E+08									
Q497A4	Nucleobindin 1	611.73	72	37	6				833333			1E+11	1E+11	4E+10	8E+10	5E+10	3.9E+10
O35987	NSFL1 cofactor p47	253.63	50	15	6	2E+10	4E+09	5E+10	1E+10	3E+09	2.5E+10	4E+09	1E+09	2E+08	4E+09	3E+09	3.2E+08
Q4W1H3	Myosin 9b	221.21	12	14	6	2E+09	5E+07	2E+09	1E+09	7E+07	3E+08						
P59808	SAM and SH3 domain-containing protein 1	170.7	12	12	6	7E+07	5E+07	3E+09	2E+07	3E+07	7.1E+07						
Q99MF8	Glycogen synthase	162.14	21	10	6	1E+10	4E+08	1E+10	4E+09	3E+07	1.6E+09		5E+07	1E+09	8E+07	1E+09	9E+07
Q2EJA0	Yes-associated protein	144.53	39	9	6			2E+09	1E+09	2E+08	4.9E+08						
Q4V893	Hypothetical protein RGD1307254	135.52	33	8	6	4E+08											
P81128	Glucocorticoid receptor DNA-binding factor 1	127.39	9	9	6	1E+09	2E+07	4E+09			5.1E+08						
Q5M7V8	Thyroid hormone receptor-associated protein 3	118.35	9	8	6	8E+08	1E+08	2E+09	1E+08	3E+07	1.5E+08						
Q4QQT7	epidermal growth factor receptor pathway substrate 15 related s	285.27	32	18	5	1E+09	2E+08	5E+09	2E+07		2.7E+08	3E+09	2E+09	3E+08	2E+09	1E+09	
Q70AM4	Kinesin 13B	180.71	9	11	5	1E+09	4E+08	8E+09	3E+08	4E+08	1.9E+09		3E+08				
Q5BMA6	Leukemia-associated Rho guanine nucleotide exchange factor	147.44	10	9	5	2E+07		1E+09			4282799		6E+07				7500000
Q1EG89	Myocardial ischemic preconditioning associated protein 7	130.38	27	8	5	6E+08	4E+07	2E+09	2E+09	2E+07	8.9E+08				1E+09	9E+08	
Q9QYV3	C3G protein	109.46	12	8	5		6E+07	6E+08			7500000			1E+08			
P35570	Insulin receptor substrate 1	95.01	9	6	5	2E+08	8E+06	3E+09	9E+08		1.1E+08						
Q6AYT4	Protein C9orf42 homolog	85.58	27	5	5												
P05432	ERBB receptor feedback inhibitor 1	78.77	18	5	5				2E+08			7E+08					
Q14TE9	DNA topoisomerase 2-beta	78.64	6	5	5												
Q9QYA5	TATA element modulatory factor	299.55	35	20	4		4E+07					2E+10	1E+10	1E+10	2E+10	9E+09	6.3E+09
Q9R037	WD repeat domain 44	261.64	27	17	4	2E+09	3E+08	7E+09	9E+09	1E+08	3.6E+09				5E+07		
Q66HF9	Leucine-rich repeat flightless-interacting protein 1	260.79	44	15	4	2E+09	1E+09	7E+09	3E+09	6E+08	4.8E+09	2E+08					
Q75N33	Protein transport protein Sec16B	255.45	24	14	4	5E+09	2E+09	1E+10	2E+09	2E+09	8.1E+09	5E+08	6E+08	2E+09	1E+09	3E+08	6.3E+08
Q58A65	C-jun-amino-terminal kinase-interacting protein 4	223.88	15	15	4	4E+09	5E+08	8E+09	8E+07	4E+08	5E+09	1E+08	1E+08		6E+08	5E+08	2.7E+08
Q497W6	Liprin-beta-2	212.94	21	14	4	4E+09	5E+08	1E+10	1E+09	2E+08	1.3E+09		2E+07				
Q8VHK7	Hepatoma-derived growth factor	209.98	66	13	4	1E+10	1E+09	1E+10	1E+10	1E+09	6.5E+09	2E+08	1E+09	2E+08	6E+07	6E+08	1.7E+08
Q5JC29	Epidermal growth factor receptor pathway substrate 15 isoform E	200.1	28	15	4		3E+08	2E+09	1E+09	7E+07	1.4E+08	1E+09	3E+07		1E+09	2E+09	3.5E+08
Q9JJ19	Ezrin-radixin-moesin-binding phosphoprotein 50	180.98	39	11	4	1E+09	7E+08	2E+10	6E+09	2E+09	4.8E+09	6E+09	4E+09	4E+09	9E+09	6E+09	2E+08
P19814	Trans-Golgi network integral membrane protein TGN38 precursor	168.79	32	10	4							2E+09	3E+09	4E+09	2E+09	2E+09	1.9E+09
Q3B7D4	Adducin 1	160.89	18	11	4	7E+08	3E+08	8E+08			6.8E+08	1E+09	3E+08	5E+08	6E+09	3E+09	1.6E+09
Q5HZA7	Bin1 protein	160.07	38	9	4	4E+09	2E+09	4E+09	2E+08	2E+09	7.3E+09	6E+08	4E+07		7E+08		
Q5U2U8	Bcl2-associated athanogene 3	157.53	27	10	4	3E+09	3E+08	5E+09	7E+09	1E+08	3E+09	5E+08	4E+08	5E+08	4E+08	6E+08	
Q6PAR5	GTPase activating protein and VPS9 domains 1	140.09	10	8	4	3E+09	6E+08	7E+09	1E+07	1E+07	8.3E+08						
P36506	Dual specificity mitogen-activated protein kinase kinase 2	135.8	27	8	4	4E+09	2E+08	2E+10	6E+08	5E+07	2.4E+09						
Q5EBP9	Tripartite motif protein 28	127.38	14	8	4	9E+08	5E+06	1E+10	2E+07	1E+08	1.2E+09						
P47196	RAC-alpha serine/threonine-protein kinase	124.47	24	8	4	7E+08	1E+08	1E+09	2E+09		1.2E+07	2E+08	3E+08				
Q6AYB6	SYAP1 protein	113.22	36	7	4	1E+08	1E+08	4E+09	2E+09	8E+07	2.5E+09	9E+08			5E+08		
Q2M4G6	Son of sevenless like-protein 1	112.19	8	7	4	3E+08	2E+07	1E+09	6E+08	1E+07	2.4E+07						
Q3TA58	phosphatidylinositol 4-kinase catalytic beta polypeptide	106.66	13	7	4		7E+07	2E+09	1E+09	1E+07				1E+08			
Q8C7U9	Phosphatase and actin regulator 4	102.79	14	7	4	3E+09	1E+09	5E+09	2E+09	9E+08	9.1E+08		2E+08				
Q80XU3	Nuclear ubiquitous casein and cyclin-dependent kinases substrate	92.27	23	5	4	7E+09	2E+09	2E+09	1E+08	3E+09	3.5E+09						
P24788	Cyclin-dependent kinase 11	92.13	10	7	4		2E+07	6E+08		7E+06							
Q5U2U7	mRNA cap guanine-N7 methyltransferase	85.28	16	6	4	3E+09	2E+07	5E+09	3E+09	4E+07	2.4E+09						
Q8BGU5	Cyclin fold protein 1	84.44	22	6	4											7E+08	1.6E+09
Q5SV53	Ortholog of human amyotrophic lateral sclerosis 2	84.32	6	5	4			7E+07									
Q3ULP2	2310040A13Rik protein	80.69	9	5	4							2E+07	8E+07	3E+06	2E+07	1E+09	1.3E+07
Q9JIH7	Serine/threonine-protein kinase WNK1	73.73	4	5	4					2E+08	8.7E+08						
Q148V8	Protein FAM83H	62.12	5	5	4			4E+07									
P13668	Stathmin	58.98	18	4	4												
Q61083	Mitogen-activated protein kinase kinase kinase 2	48.6	7	4	4	4E+08			4E+08								
Q63002	Mannose 6-phosphate/insulin-like growth factor II receptor	604.97	22	37	3							2E+10	3E+10	1E+10	2E+10	1E+10	1.9E+10

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P41542	General vesicular transport factor p115	459.61	37	29	3	8E+09	2E+09	3E+10	5E+09	2E+09	1.6E+10	3E+10	1E+10	9E+09	1E+10	2E+10	3E+09
Q3ZU82	Golgin subfamily A member 5	432.08	52	28	3							3E+10	4E+10	2E+10	3E+10	3E+10	1.6E+10
Q5U302	Catenin	318.44	31	20	3	2E+08		8E+08	2E+07		8.6E+07	2E+10	1E+10	1E+09	6E+09	1E+10	5.4E+08
Q63120	Canalicular multispecific organic anion transporter 1	274.42	14	17	3							3E+07	5E+09	8E+09		1E+10	4E+09
Q7TSU1	Brefeldin A-inhibited guanine nucleotide-exchange factor 2	265.06	13	17	3	5E+09	3E+08	1E+10	3E+09	3E+07	5.4E+09		6E+08	1E+09		1E+09	1.1E+08
Q5SYN9	Myosin XVIIIa	260.89	13	18	3	3E+09	9E+07	4E+09	2E+09	5E+08	9.7E+08		5E+08			1E+08	2E+07
P09034	Argininosuccinate synthase	254.39	41	15	3	2E+10	9E+09	3E+10	8E+09	5E+09	2.4E+10		7E+08	2E+08		2E+09	2.3E+07
O54774	AP-3 complex subunit delta-1	237.47	18	14	3		3E+06	2E+09	1E+09	5E+06	3.5E+07		2E+08	2E+09		5E+09	1.6E+08
Q8VBU2	Protein NDRG2	187.7	54	11	3	1E+10	9E+08	4E+10	2E+10	1E+09	5.1E+09	5E+08	5E+08	1E+07	4E+08	1E+09	2E+07
Q02357	Ankyrin-1	177.35	8	12	3							5E+08	1E+09	2E+09	1E+09	7E+09	4.5E+08
Q95571	MHC class I RT1.Au heavy chain precursor	176.64	36	11	3							2E+10	1E+10	1E+10	9E+09	2E+10	5.4E+09
Q9WU74	Lipolysis-stimulated lipoprotein receptor precursor	175.3	21	10	3							8E+09	1E+09	6E+09	3E+09	9E+09	3E+09
Q6XUU5	Microtubule-associated tumor suppressor 1 homolog	165.25	42	12	3				7E+06			2E+09	8E+08		1E+09	3E+09	6.2E+08
Q80XQ4	Catenin delta-1	161.74	13	10	3							8E+09	6E+09	3E+09	1E+10	5E+09	4.5E+09
Q4KM62	Palmdelphin	158.33	31	10	3	4E+08	5E+08	4E+09	1E+07	1E+08	3.6E+08						
Q5U4E4	TRM1 tRNA methyltransferase 1 homolog	157.15	32	9	3	3E+09	9E+08	9E+09	4E+07	2E+09	9.6E+09						
P70580	Membrane-associated progesterone receptor component 1	155.6	54	9	3	4E+08						2E+10	1E+10	1E+10	2E+10	4E+09	1E+10
Q6AYR1	Trk-fused gene	149.34	39	9	3	2E+10	5E+09	2E+10	1E+09	3E+09	2E+10	3E+09		2E+08	2E+09	2E+08	1.3E+08
Q3ZAU5	DDHD domain containing 1	146.65	16	9	3	2E+08	2E+08	6E+09	1E+07		1E+09						5E+07
Q5PQM2	Kinesin-like 8	142.21	19	10	3	1E+09	5E+08	5E+09	5E+08		9.2E+07						
P24090	Alpha-2-HS-glycoprotein precursor	137.07	39	8	3	3E+09	4E+08	8E+08	1E+07		1.3E+08	6E+09	5E+08	3E+09	4E+09	5E+08	3.9E+09
P04157	Receptor-type tyrosine-protein phosphatase C	132.49	9	9	3							9E+08	2E+09		2E+08	3E+09	2.5E+08
Q64350	Translation initiation factor eIF-2B subunit epsilon	128.95	17	9	3	3E+08		4E+09	6E+08		7.9E+08						
Q99M64	55 kDa type II phosphatidylinositol 4-kinase	128.71	20	9	3								3E+08	1E+08	9E+07	3E+06	9.3E+07
Q9WVE9	Intersectin-1	126.98	10	9	3	4E+08	1E+08	2E+09	1E+09	2E+08	2.2E+09	7E+08	2E+09	4E+08	6E+08		
Q6TQE1	Zinc finger CCCH domain-containing protein 18	109.26	15	7	3	3E+08	1E+08	6E+08	6E+08	4E+08	6.3E+08						
Q920J4	Thioredoxin-like protein 1	107.95	36	7	3	7E+08	3E+07	3E+09	1E+09	2E+08	1.6E+09		3E+08	3E+08	1E+08	4E+08	2.4E+08
Q8K2F8	Protein FAM61A	105	24	7	3	1E+07		2E+09	7E+06		2.7E+08		4E+07			2E+08	
Q62799	Receptor tyrosine-protein kinase erbB-3 precursor	100.03	7	6	3							1E+09	8E+08	6E+08	8E+08	7E+08	1.2E+09
Q68G63	Hepatoma-derived growth factor-related protein 2	97.34	15	6	3	7E+09	2E+08	7E+09	3E+09	1E+08	5.5E+09						
Q8VIP2	Carbohydrate responsive element binding protein	91.19	13	6	3			7E+08	2E+07	1E+07							
Q5M7W5	Microtubule-associated protein 4	90.57	9	6	3			1E+08		1E+07		3E+08	3E+07	3E+08	3E+08	1E+09	3.1E+08
Q499N6	UBX domain-containing protein 1	89.37	37	6	3			1E+08	1E+08		1.3E+07				8E+07		
Q8R0S2	IQ motif and Sec7 domain-containing protein 1	88.15	9	6	3			3E+08			1E+08					3E+07	
Q5SWI0	Breast carcinoma amplified sequence 3	82.96	15	6	3		2E+07	2E+08		5E+07							
Q32PZ6	Trim24 protein	82.94	14	5	3											1E+08	
P15257	Hepatocyte nuclear factor 1-alpha	79.33	18	5	3	1E+08		2E+09									
P68404	Protein kinase C beta type	77.11	14	5	3	3E+08		1E+08				8E+07	1E+09			3E+08	6.6E+07
Q6MGC8	Death domain-associated protein	76.71	15	5	3			2E+07									
Q920R0	Alsin	70.27	4	5	3		4E+06										
Q3U483	Interferon regulatory factor 2-binding protein-like	61.1	9	4	3		2E+07	2E+08	7E+06	5E+07	8.5E+07						
P50393	Cytosolic phospholipase A2	61	9	4	3								3E+08				
O88339	Epsin-1	60.96	11	4	3		1E+07			1E+08	1.9E+08						
Q9ERE6	Myosin phosphatase Rho-interacting protein	58.54	8	4	3	1E+08											
Q64303	Serine/threonine-protein kinase PAK 2	57.49	13	4	3	6E+07			8E+06								
Q9R0P4	Sid 2057	57.4	22	4	3	1E+08		6E+08	2E+07		2.4E+08						
Q04753	Methylosome subunit pICln	57.32	27	4	3		2E+08	3E+08	5E+08	4E+08							
Q3MJK5	Cyclin-dependent kinase 12 isoform	57.01	4	4	3				2E+08		1.4E+08						
Q9JJU6	B-Raf protein	56.11	13	3	3												
Q8CI95	Oxysterol-binding protein-related protein 11	55.32	8	4	3					5E+06							
Q52KI8	Serine/arginine repetitive matrix protein 1	52.61	4	3	3	1E+08				9E+07	6.6E+07						
P54258	Atrophin-1	52.13	5	4	3												
P42128	Forkhead box protein K1	49.68	9	3	3												
P49816	tuberous sclerosis 2	49.52	2	3	3												
Q923A8	Map3k7 protein	48.27	6	3	3												
P11345	RAF proto-oncogene serine/threonine-protein kinase	46.98	9	3	3												
Q8K3I9	Testhymin	45.21	8	3	3												
Q08122	Transducin-like enhancer protein 3	45.19	4	3	3												
Q3UU34	hypothetical RNA-binding protein Lupus Lal/Cytochrome b5 conta	44.87	8	3	3								2E+07		2E+08	2E+07	4130714

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Q3JW78	Mammary gland 32 kDa protein	43.1	3	3	3												
Q07141	Transducin-like enhancer protein 4	42.82	4	3	3												
P11497	Acetyl-CoA carboxylase 1	826.19	29	53	2	9E+10	2E+10	1E+11	3E+10	2E+10	1.3E+11	2E+08	5E+08	4E+08		8E+08	3E+08
Q66H55	Heat shock protein 90	587.4	56	37	2	1E+11	4E+10	2E+11	4E+10	3E+10	1.4E+11	1E+11	5E+10	4E+10	9E+10	1E+11	3.6E+10
P21213	Histidine ammonia-lyase	495.94	64	30	2	4E+10	1E+10	1E+11	3E+10	1E+10	6.6E+10	3E+09	3E+09	3E+09	3E+09	6E+09	3.4E+09
Q63714	Rat GCP360	334.02	11	23	2							3E+09	2E+09	1E+09	2E+09	4E+09	7E+08
Q3TJ43	vacuolar protein sorting 35	279.87	28	18	2							1E+10	8E+09	2E+10	1E+10	1E+10	1.8E+10
Q9JI85	Nucleobindin-2 precursor	266.67	50	17	2							2E+10	2E+10	3E+10	1E+10	1E+10	1E+10
P70398	Probable ubiquitin carboxyl-terminal hydrolase FAF-X	263.32	11	19	2	2E+09	4E+08	1E+10	4E+09	1E+08	8E+08						2500000
P13383	Nucleolin	254.37	28	16	2	2E+09	1E+09	1E+10	1E+09	6E+08	3.4E+09	7E+09	5E+09	1E+09	1E+09	3E+09	7.4E+08
Q9JHW1	Carboxypeptidase D precursor	249.37	15	16	2							5E+09	4E+09	5E+09	2E+09	3E+09	6.9E+09
O70199	UDP-glucose 6-dehydrogenase	245.3	41	16	2	2E+10	5E+09	3E+10	3E+09	2E+08	4.2E+09	4E+08	5E+08		9E+08	4E+08	
Q6NZJ6	Eukaryotic translation initiation factor 4 gamma 1	240.56	13	16	2	3E+09	3E+08	2E+10	1E+09	6E+07	7.8E+09	6E+08	8E+08	4E+08	3E+08	3E+09	1.8E+07
Q4G061	Eukaryotic translation initiation factor 3 subunit 9	228.74	25	14	2	4E+09	8E+08	1E+10	1E+10	4E+08	1E+10	2E+08	7E+09	4E+09		5E+09	1.7E+09
Q9JK25	CLIP-170	218.62	16	14	2	2E+08		8E+08	7E+08		3.7E+08	1E+09	2E+08		2E+09	1E+09	
Q5BJK8	Golgi integral membrane protein 4	216.82	45	13	2							2E+10	9E+09	3E+09	1E+10	2E+10	7E+09
O08815	STE20-like serine/threonine-protein kinase	203.75	19	14	2	1E+08	1E+09	6E+09	3E+09	1E+09	1.2E+09	2E+08	4E+08	1E+08		5E+08	
Q03555	Gephyrin	200.39	24	13	2	1E+10	9E+08	1E+10	6E+08	3E+08	2.9E+09				7E+07		
Q9Z2Q1	Protein transport protein Sec31A	199.75	15	12	2	3E+08			2E+07	1E+08	4.3E+08	9E+09	7E+09	3E+09	7E+09	7E+09	8.2E+08
P23562	Band 3 anion transport protein	193.94	24	12	2								6E+09	6E+09		7E+09	3.2E+09
Q9R085	Deubiquitinating enzyme Ubp109	183.66	19	12	2	2E+09	2E+08	5E+09	8E+08	4E+07	1.5E+09						
O70535	Leukemia inhibitory factor receptor precursor	181.49	14	11	2							2E+09	2E+09	1E+08	3E+09	4E+09	6.4E+08
Q8BK97	acetyl-Coenzyme A synthetase 1	175.52	22	12	2	2E+09	1E+09	1E+10	6E+09	7E+08	2.3E+09						
Q6P685	Eukaryotic translation initiation factor 2 subunit 2 beta 38kDa	170.95	41	11	2	2E+08	9E+07	6E+09	2E+08	1E+08	1.9E+08		6E+07	1E+08		5E+07	1.1E+08
P09456	cAMP-dependent protein kinase type I-alpha regulatory subunit	166.75	34	11	2	2E+09	3E+08	8E+09	1E+09	4E+07	2.1E+09	2E+09	6E+08	3E+08	3E+09	9E+08	4.6E+08
Q8CFX3	Protocadherin 1	165.21	12	10	2							2E+09	8E+08	4E+08	6E+08	1E+09	4.5E+08
Q7TQ89	Ac1055	162.91	16	9	2							5E+09	3E+09	7E+08	3E+09	3E+09	1.1E+09
O70127	Bile salt export pump	162.63	11	10	2								9E+08	2E+09		9E+08	1.2E+09
Q62940	E3 ubiquitin-protein ligase NEDD4	158.14	16	11	2	4E+07	5E+07	2E+09	3E+07	4E+07		9E+07				3E+07	
P59242	Cingulin	150.74	12	11	2	2E+08	1E+08	2E+09	9E+08	2E+08	1.5E+09						
Q68FR9	Eukaryotic translation elongation factor 1 delta	149.69	23	10	2	4E+10	8E+09	4E+10	1E+10	1E+10	4E+10	4E+09	2E+09	3E+09	2E+09	1E+09	1.2E+09
P49911	Acidic leucine-rich nuclear phosphoprotein 32 family member A	141.44	39	9	2	7E+10	1E+10	1E+11	2E+10	1E+10	6.7E+10	3E+09	2E+09	3E+09	3E+09	9E+08	7.6E+08
Q3MID9	Ogfr protein	140.19	26	9	2	3E+09	4E+08	3E+09	4E+08	3E+08	2.1E+09						
Q09137	5'-AMP-activated protein kinase catalytic subunit alpha-2	138.4	24	9	2	2E+09	9E+06	4E+09	7E+08	6E+07	9.4E+08		2E+08			3E+08	2.1E+07
Q66HL2	Cortactin isoform B	137.09	24	8	2	2E+09	4E+08	9E+09	1E+09	8E+08	7.9E+09		4E+08	2E+08	9E+07	4E+08	1.1E+08
O35986	Zinc finger Ran-binding domain-containing protein 2	136.17	27	9	2	5E+08	1E+09	4E+09	2E+08	7E+08	2.4E+09						
Q3S4A4	ADP-ribosylation factor GTPase activating protein 1 heart isoform	127.99	25	7	2	7E+08	2E+07	3E+09	2E+07	5E+06	1.2E+09	6E+08	1E+09	2E+08	3E+08	8E+07	1.8E+08
Q6MG48	Protein PRRC2A	115.23	5	7	2	4E+08	3E+07	7E+07	1E+08	1E+08	9.8E+07						
Q3UQN2	Fcho2 protein	113.81	15	6	2	8E+08	1E+08	3E+09	2E+09	9E+07	1E+09				2E+08		
Q5RK09	Eukaryotic translation initiation factor 3 subunit 4	113.01	28	7	2	1E+07	8E+08	1E+10	2E+07	2E+08	4.4E+09		1E+08	2E+08		9E+08	
Q6JBI6	LMO7b	109.07	7	7	2	6E+08	5E+07	5E+08	2E+09		6.4E+08	5E+07	5E+07		4E+07		2.3E+08
Q99N37	Nadrin E2	108	14	7	2	2E+08		4E+08	3E+08	2E+07					1E+08		
Q3B7Z2	Oxysterol-binding protein 1	104.83	13	7	2	6E+07	2E+07	5E+09	8E+07		4.3E+07		1E+08			5E+08	
Q9EPY0	Caspase recruitment domain-containing protein 9	100.3	19	6	2	3E+08	6E+07	6E+08	4E+07		6E+07		3E+06				
Q9QYU1	Peroxisomal biogenesis factor 19	98.62	29	6	2	5E+08	4E+07	7E+08		3E+07							
O08623	Sequestosome-1	98.58	31	6	2			4E+09	6E+08		6.1E+08	7E+08	5E+07	2E+07	5E+08		
P80386	5'-AMP-activated protein kinase subunit beta-1	95.64	41	6	2	2E+07		2E+09	5E+07								
Q62847	Gamma-adducin	95.58	17	6	2			4E+08	3E+07			3E+07	4E+08	2E+08	6E+07	3E+09	3.3E+07
Q5DTP5	Cyclin-dependent kinase inhibitor 2B-related protein	94.83	25	6	2		6E+06	2E+08	1E+09		1.7E+09						
Q66H98	Serum deprivation-response protein	94.64	31	6	2			6E+08			1590063	7E+08			4E+08	2E+08	1.3E+08
Q5HZA4	LysM and putative peptidoglycan-binding domain-containing prot	91.82	40	6	2							3E+09	7E+08	2E+07	2E+09	2E+09	6.7E+07
Q5RJQ4	NAD-dependent deacetylase sirtuin-2	90.32	20	6	2	2E+09	8E+08	1E+10	2E+09	2E+08	4.2E+09				1E+09	9E+08	
Q3UD96	GTP binding protein 1	90.31	18	6	2			2E+09	5E+06		1.2E+08						
Q9Z340	Partitioning defective 3 oocyte form 1	88.59	4	5	2			2E+09	1E+07	5E+06	5.8E+07						
Q5BK19	Calpastatin isoform b	86.67	14	5	2	3E+07	7E+07	1E+09	4E+08	3E+07	2.9E+08				2E+08	9E+07	
P08721	Osteopontin precursor	85.3	30	5	2							9E+08	2E+09	1E+09	1E+09	2E+09	3.8E+08
Q6MG75	RD RNA-binding protein	85.11	17	5	2		2E+07	8E+08	3E+09		1.4E+09						
Q62920	PDZ and LIM domain protein 5	84.55	13	5	2			3E+09		2E+08	8.7E+08	2E+08					
Q6DID4	Ubiquitination factor E4B	83.99	8	6	2				2E+07	1E+08							

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Q3VHS2	coiled-coil domain containing protein 18	83.6	22	5	2	1E+07		1E+08									
P62908	40S ribosomal protein S3	83.45	25	5	2	9E+06	4E+06	1E+09	4E+09			7E+08	5E+09	1E+09		3E+09	6.3E+08
Q6P9L1	Cad protein	82.21	4	5	2	1E+08		2E+09	1E+07								1.1E+07
Q9WU49	Calcium-regulated heat stable protein 1	80.57	51	5	2	5E+09	5E+09	1E+10	1E+10	2E+09	3.5E+10		7E+07		5E+08		
O70480	Vesicle-associated membrane protein 4	80.32	40	5	2							7E+08	8E+08	2E+08	9E+08	4E+08	4.9E+08
P70488	Eif5b protein	79.7	37	5	2	1E+09		4E+09	5E+08	2E+07	6.3E+08						
Q5XI97	Alanyl-tRNA editing protein Aarsd1	79.49	25	5	2	5E+07			2E+07		7.7E+07						
P42346	FKBP12-rapamycin complex-associated protein	78.38	3	5	2			1E+09	7E+07		3042043		1E+08				
Q3SWT4	IWS1 homolog	76.52	11	5	2			4E+07	3E+08							3E+08	
Q5BJN8	Hypothetical protein RGD1305572	76.22	24	5	2	3E+08	1E+08	7E+08	6E+08		4.4E+08						
Q9JK11	Reticulon-4	76.03	10	5	2								1E+08			8E+07	
P30009	Myristoylated alanine-rich C-kinase substrate	75.31	26	4	2	3E+09	1E+08	3E+09	7E+08		1.3E+09	1E+08	1E+09	7E+08	3E+08	9E+08	2.8E+09
P97310	minichromosome maintenance deficient 2 mitotin	74.09	9	5	2			5E+08	4E+06		1E+07						
Q9ERU9	Ran-binding protein 2	73.47	2	6	2			1E+09	2E+07		1.9E+07						
O08769	P27 kip1	73.11	29	5	2	7E+08	5E+08	9E+08	1E+09	2E+07	2E+09						
Q4TVN0	TBC1 domain family member 15	72.17	12	5	2	3E+07			3E+08	3E+07							
P06536	Glucocorticoid receptor	71.85	7	5	2	8E+07		8E+07	3E+08	4E+08	6.3E+07						
O08796	Elongation factor 2 kinase	70.34	12	5	2						2.6E+08						
Q5XIM8	Lipin 1	70.3	9	4	2			2E+07			1.9E+08						
Q9WUI9	Nuclear receptor coactivator 2	70.03	4	5	2	1E+09	4E+07	5E+09	5E+09	8E+07	1.5E+09						
Q5XIU5	Proteasome inhibitor PI31 subunit	69.83	23	4	2	3E+08	2E+08	5E+08			9.8E+08						
O35413	Sorbin and SH3 domain-containing protein 2	67.26	5	5	2	2E+07		2E+08	8E+07		4.3E+07						
Q6RFZ7	Neuronal RhoA GEF protein	66.79	8	4	2			2E+08									
P19332	Microtubule-associated protein tau	66.4	12	5	2	3E+08		3E+08			4.7E+08						
Q5PQP2	Receptor-binding cancer antigen expressed on SiSo cells	66.36	37	4	2							3E+09	5E+08	4E+09	5E+08	1E+09	4E+09
Q3UD05	Protein phosphatase 1H	65.8	9	4	2			3E+08	1E+09						7E+07		
Q8BH57	WD repeat protein 48	65.11	8	4	2							1E+09	5E+08	6E+08	7E+08	8E+07	3.4E+08
Q6P4S6	Serine/threonine-protein kinase SIK3	62.94	4	4	2			3E+08									
O54950	5'-AMP-activated protein kinase subunit gamma-1	61.49	15	4	2	4E+09	6E+08	5E+09	2E+09	6E+08	5.5E+09						
Q9ES67	Rho guanine nucleotide exchange factor 11	61.23	4	4	2			5E+08		6E+06							
P68181	cAMP-dependent protein kinase beta-catalytic subunit	60.39	13	4	2	2E+07			3E+06	8E+07		4E+08			3E+08	4E+07	
Q3KR72	Actin-binding LIM protein 1	59.97	15	4	2	2E+08											
Q3TWW8	splicing factor arginine/serine-rich 6	58.47	15	5	2	7E+08	3E+08	5E+09	8E+08	1E+08	2.8E+09						6.3E+07
Q6PAJ1	Bcr protein	57.08	3	3	2			5E+08	2E+07								
Q8VHF0	MAP/microtubule affinity-regulating kinase 3	55.9	7	4	2			1E+09	3E+08	2E+08	8E+08			8E+07		5E+07	
Q14B01	Ring finger protein 113A2	55.44	13	4	2	2E+08			1E+09	7E+07							
Q8R3Q2	SAPS domain family member 2	53.87	6	3	2	2E+08		8E+08			1.1E+08						
Q497A9	Eukaryotic translation initiation factor 4E binding protein 2	53.57	72	4	2					3E+08	5.5E+08						
Q62764	DNA-binding protein A	53.34	27	4	2	9E+08		2E+09	2E+09	4E+07	5.1E+08	5E+08	1E+09	6E+08	5E+08	4E+08	5.2E+08
Q5I0G8	Sept4 protein	52.02	15	3	2											9E+08	
Q9D1F4	Proline-rich AKT1 substrate 1	50.69	19	3	2												
Q4KLN1	HIRA interacting protein 3	49.37	13	3	2						1E+08						
O55164	Multiple PDZ domain protein	49	3	3	2												
Q52KJ9	Thioredoxin domain containing 1	48.18	10	3	2								4E+08				
Q6P6V1	Polypeptide N-acetylgalactosaminyltransferase 11	47.89	8	3	2								4E+08	2E+07			5.3E+07
Q571K4	Mitogen-activated protein kinase kinase kinase 7-interacting prot	47.52	8	3	2												
Q9WU42	Nuclear receptor corepressor 2	47.49	1	3	2			1E+08									
P09414	Nuclear factor 1 A-type	45.75	11	3	2												
Q6NXI4	Rapgef2 protein	45.11	4	3	2	8E+06	2E+07	3E+08	7E+06								2.8E+07
Q498N5	HLA-B-associated transcript 3 isoform 1	44.32	4	3	2	2E+08											
Q80TU6	MKIAA0670 protein	43.92	4	3	2	3E+08											
Q62717	Calcium-dependent secretion activator 1	43.84	3	3	2	1E+08	4E+07		4E+07								
P58871	182 kDa tankyrase 1-binding protein	43.07	4	3	2	2E+08	5E+07		3E+06		1.6E+08						
Q3SWT7	Nuclear receptor binding protein	42.95	6	3	2											3E+08	
Q7TPD0	Ints3 protein	42.85	3	3	2			1E+08									
P11862	Growth-arrest-specific protein 2	42.58	15	3	2				7E+06								
Q7TPZ6	Ralgps2 protein	41.94	5	3	2	6E+08	2E+08	4E+09	3E+08	3E+07	5E+08						
O55043	Rho guanine nucleotide exchange factor 7	41.56	6	3	2			1E+08									
Q3TII9	eukaryotic translation initiation factor 4E binding protein 1	41.15	38	3	2												

Q90UH5	Cyclin L2	40.72	10	3	2	8E+06											
Q80YV2	Nuclear-interacting partner of ALK	39.93	4	2	2												
Q6AY97	Coiled-coil domain-containing protein 91	39.78	10	3	2	3E+08		6E+08									
O55207	Synaptojanin-2	39.78	3	2	2												
Q8K4X6	Mitogen-activated protein kinase kinase kinase 4	39.77	3	3	2	3E+08					5.3E+07						
Q5XXR3	Rho guanine nucleotide exchange factor 6	39.53	6	3	2			3E+08									
Q3B8N7	Leucine zipper protein Thg-1pit	39.29	15	3	2						4.5E+07						
Q5BK07	Coiled-coil domain-containing protein 43	38.24	15	2	2												
Q3TSD6	Microtubule-associated protein 1S	38.09	3	2	2												
Q5SXF9	Mitogen-activated protein kinase kinase kinase kinase 6	37.28	4	2	2												
O08874	Serine/threonine-protein kinase N2	36.96	5	3	2												
Q9ES26	Forkhead protein FKHR	35.32	14	2	2												
P28028	tripartite motif protein 24	35.3	10	2	2												
Q8CBV3	Calmodulin-regulated spectrin-associated protein 1	34.88	2	2	2												
Q64727	Vinculin	34.61	1	2	2												
Q8BJC9	Interferon regulatory factor 2-binding protein 1	34.49	10	2	2												
Q3MID5	Phosphatidylinositol-4-phosphate 5-kinase, type I, gamma	33.63	3	2	2												
Q3U3E2	similar to ALS2CR13 protein	33.49	10	3	2										6E+08		
Q8VDM6	Heterogeneous nuclear ribonucleoprotein U-like protein 1	33.37	3	2	2												
Q8BH50	Uncharacterized protein C18orf25 homolog	33.36	8	2	2				1E+09		9.7E+07						
Q91Y79	KARP-1-binding protein 1	33.36	3	2	2												
P15146	Microtubule-associated protein 2	33.01	2	2	2												
P70478	Adenomatous polyposis coli protein	32.94	0	2	2												
Q8K3X0	cancer susceptibility candidate 3	32.71	5	2	2												
P97526	Neurofibromin	32.48	1	2	2												
O55147	Rattus norvegicus utrophin	32.19	1	2	2												
Q61127	NGFI-A-binding protein 2	31.91	8	2	2												
Q505I9	Epsin 2 isoform b	31.83	6	2	2												
Q3UWC4	lipin 2	31.83	7	2	2												
Q9D4C5	ELL-associated factor 1	31.8	7	2	2												
Q9JK71	Scaffolding protein SLIPR	31.07	2	2	2												
Q5D202	REM2	30.93	11	2	2												
Q3TU30	cullin 4B	30.2	4	2	2												
P70265	6-phosphofructo-2-kinase/fructose-26-biphosphatase 2	29.88	2	2	2												
Q80U37	Serine/arginine repetitive matrix protein 2	29.52	1	2	2												
Q3V3D5	zinc finger CCHC domain containing 11 .	29.23	4	2	2												
Q52KE7	Cyclin-L1	29.01	7	2	2												
Q8K1N2	Pleckstrin homology-like domain family B member 2	28.03	2	2	2												
Q3B8R3	LOC360570 protein	27.57	13	2	2												
O70188	NF1-C2	27.5	4	2	2												
Q148X5	R3hdm2 protein	27.3	3	2	2				3E+06								
P29699	Alpha-2-HS-glycoprotein precursor	27.19	11	2	2												
Q2MJT0	Myocyte-specific enhancer factor 2A	26.73	7	2	2												
Q4V8J5	DNA-damage inducible protein 2	26.73	8	2	2												
Q63540	Ataxin-1	26.69	5	2	2												
P81122	Insulin receptor substrate 2	26.2	2	2	2												
Q3UZ47	tight junction protein 3	25.42	3	2	2												
Q3U4V4	Protein kinase D2	25.39	3	2	2												
Q3U1F1	hypothetical Serine-rich region profile containing protein	23.83	6	2	2												
Q5F247	Novel protein similar to smoothelin	23.48	6	2	2												
P42230	Signal transducer and activator of transcription 5A	23.37	2	2	2												
Q3UHJ0	AP2-associated protein kinase 1	22.21	2	2	2												
Q3UHT9	myosin heavy chain IX	745.5	29	50	1	2E+10	9E+08	5E+10	2E+10	1E+09	1.2E+10	8E+08	1E+09	6E+08	4E+08	1E+09	
Q7TMA5	Apolipoprotein B-100	431	7	28	1							2E+09	6E+09	7E+09	8E+08	1E+10	2.1E+09
Q62839	Golgin subfamily A member 2	417.21	37	27	1							2E+10	1E+10	1E+10	2E+10	4E+09	9.1E+09
P15083	Polymeric-immunoglobulin receptor precursor	409.21	33	25	1							2E+10	3E+10	2E+10	3E+10	3E+10	6E+09
P19112	Fructose-16-bisphosphatase 1	390.64	74	23	1	2E+10	7E+09	4E+10	1E+10	5E+09	2.4E+10	5E+09	3E+08	1E+08	5E+09	1E+09	2.8E+08
Q6AYW2	Phenylalanine hydroxylase	357.35	66	23	1	4E+10	1E+10	7E+10	2E+09	1E+10	5.1E+10		2E+07	1E+08	8E+07	1E+08	5.1E+07
Q9JJ40	PDZ domain-containing protein 1	354.28	53	22	1	9E+08	2E+08	2E+09	3E+09	2E+08	1E+09	2E+10	1E+10	3E+09	2E+10	1E+10	2.7E+09

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Q9R110	Glycogen phosphorylase liver form	324.81	32	22	1	2E+10	7E+09	6E+10	2E+10	5E+09	3.1E+10	3E+08	6E+08	7E+08	1E+09		6.5E+08
Q496Z1	Bicaudal D protein	286.71	32	19	1			5E+08				1E+10	4E+09		6E+09	3E+09	1E+09
Q5HZB2	Formyltetrahydrofolate dehydrogenase	276.39	30	18	1	7E+09	7E+08	1E+10	4E+09	4E+08	2.9E+09	1E+08	7E+08	1E+08	1E+09	5E+08	2.7E+08
Q04462	Valyl-tRNA synthetase	271.09	22	18	1	1E+09	2E+08	1E+10	1E+09	5E+07	2.5E+09					1E+08	
Q5U300	Ubiquitin-activating enzyme E1 1	243.47	23	15	1	7E+09	1E+09	2E+10	1E+08	5E+08	5.7E+09				1E+08	2E+08	6E+07
Q2TL32	ZUBR1	236.49	5	16	1	2E+09	1E+08	1E+10	3E+09	1E+08	4E+09						
Q8CGS5	Zinc phosphodiesterase ELAC protein 2	233	27	15	1	7E+09	3E+09	2E+10	1E+10	1E+09	9.2E+09						
P16638	ATP-citrate synthase	222.54	18	14	1	2E+09	4E+08	7E+09	2E+08	4E+08	5.4E+09	7E+08	2E+09	4E+08	3E+08	1E+09	3.6E+08
Q3UQ44	Ras GTPase-activating-like protein IQGAP2 homolog	195.28	10	14	1	5E+08	5E+08	9E+09	4E+08	3E+08	2.3E+09						6666667
Q63081	Protein disulfide-isomerase A6 precursor	184.69	35	11	1			1E+08				7E+09	2E+09	3E+09	6E+09	4E+09	5.4E+08
P11505	Plasma membrane calcium-transporting ATPase 1	169.66	12	11	1								2E+09	1E+09		7E+09	1.5E+09
Q99N27	Sorting nexin-1	169.33	23	12	1	1E+09	3E+08	1E+10	5E+09	5E+08	1.2E+09	1E+10	6E+09	1E+09	7E+09	5E+09	1.2E+08
Q5PQW3	Stromal cell derived factor 4	168.54	38	10	1							2E+09	8E+09	3E+09	5E+09	1E+09	1.2E+09
Q5XI18	Acyl-Coenzyme A binding domain containing 3	167.37	18	9	1	2E+09	1E+08		2E+09	1E+08	1.3E+09	8E+09	1E+09	3E+09	5E+09	4E+09	4.7E+09
Q922D4	SAPS domain family member 3	167.06	20	11	1	1E+09	9E+07	8E+09	1E+09	2E+08	9.9E+08						3.8E+07
Q6P793	Triosephosphate isomerase	162.55	63	11	1	2E+09	4E+08	9E+09	4E+08	5E+08	7.5E+09	1E+09	6E+08	5E+06	2E+09		
O08795	Glucosidase 2 subunit beta precursor	162.42	23	11	1							2E+10	1E+10	1E+10	2E+10	6E+09	4.1E+09
P27046	Alpha-mannosidase 2	153.97	11	10	1							1E+09	5E+09	1E+10	6E+08	1E+10	5.7E+09
Q9QX70	Epidermal growth factor receptor	146.47	12	10	1							1E+10	7E+09	2E+09	5E+09	6E+09	3.4E+08
Q02248	Beta-catenin	144.94	14	9	1							5E+09	3E+09	5E+08	4E+09	7E+09	3.9E+08
Q8R1B4	Eukaryotic translation initiation factor 3 subunit 8	142.71	12	10	1	6E+09	4E+09	1E+10	2E+09	3E+09	8.5E+09	3E+07	4E+08	3E+08	6E+07	1E+08	3.4E+08
P63036	DnaJ homolog subfamily A member 1	141.87	29	8	1	4E+09	9E+08	9E+09	3E+08	5E+08	5.5E+09		1E+08	1E+08		8E+07	
Q3UHD6	sorting nexin family member 27	141.46	25	9	1							7E+07	2E+09	2E+09	4E+08	4E+09	1.2E+09
P47245	Nardilysin precursor	141.32	12	9	1	5E+09	2E+09	2E+10	1E+09	2E+09	6.9E+09						
Q9JID1	Programmed cell death protein 4	141.08	33	10	1		2E+07	1E+09	4E+07	6E+07	3.8E+08	7E+08	6E+08	3E+07	1E+09	3E+09	1.8E+08
O88902	Tyrosine-protein phosphatase non-receptor type 23	139.63	9	8	1	2E+09	7E+07	4E+09	2E+09	1E+08	2.8E+09	5E+08	1E+09	2E+09	9E+08	1E+09	1.1E+09
Q4ACU6	Shank3	136.24	8	9	1							2E+08	9E+08	7E+07	9E+08	1E+08	1.5E+08
P11711	Cytochrome P450 2A1	135.05	21	10	1							3E+09	3E+09	5E+09	3E+09	1E+10	1.9E+09
Q8K3W9	Protein phosphatase PP2C gamma	132.45	29	7	1	5E+09		8E+08	1E+09	2E+08	2.4E+09						
P39447	Tight junction protein ZO-1	130.74	8	9	1	1E+07	7E+07	2E+09	2E+08				3E+08				
Q3UGV7	UBX domain-containing protein 7	129.67	27	9	1	2E+08	4E+08	6E+09	1E+07		2.2E+09						
Q6AYS6	Sorting nexin-17	127.32	26	8	1							2E+09	2E+09	2E+09	5E+08	3E+09	4E+09
Q8BTF0	Coatomer alpha subunit	126.25	8	9	1	3E+09	2E+08	2E+09	3E+09	2E+08	9.2E+08	2E+08	7E+09	5E+09	5E+08	4E+09	1.7E+09
Q6A099	Golgi-specific brefeldin A-resistance factor 1	124.48	8	9	1	3E+07	6E+06		2E+07	3E+07	5.3E+08		1E+09	9E+08	1E+08	2E+09	1.6E+08
Q3TZZ7	Extended synaptotagmin-2	124.41	15	8	1								6E+08	9E+08	5E+07	7E+08	6.2E+08
Q8R311	meningioma expressed antigen 6	120.99	12	8	1		3E+07					3E+09	9E+08	3E+08	6E+08	1E+09	4.8E+07
P21775	3-ketoacyl-CoA thiolase A peroxisomal precursor	116.56	24	7	1	2E+09	4E+08	2E+09	2E+08	3E+08	8E+08	1E+08				1E+08	
P22734	Catechol O-methyltransferase	115.48	41	8	1	1E+10	5E+09	3E+10	1E+10	1E+09	1.1E+10	2E+09	2E+09	2E+08	1E+09	6E+08	6.8E+07
Q5M9G1	Cardiac lineage protein 1	114.7	31	7	1	2E+08	4E+07	4E+09	4E+07	1E+07	1.5E+09						
Q63014	A-kinase anchor protein 8	113.98	24	8	1	2E+09	1E+08	4E+09	2E+09	1E+08	3.3E+09						
Q2MH90	Optineurin	112.87	14	8	1	4E+07	2E+07	7E+09	5E+06		3E+09						
P16617	Phosphoglycerate kinase 1	112.62	27	7	1	2E+07	2E+08	2E+09					5E+07				
P26284	Pyruvate dehydrogenase E1 component alpha subunit somatic fo	111.32	27	7	1	2E+09	9E+08	3E+09	5E+07	9E+08	3.5E+09	4E+08	2E+08	5E+08	7E+08		3.8E+08
Q91Y81	Vascular endothelial cell specific protein 11	111.2	29	7	1							1E+09	1E+08	4E+08	3E+09	1E+09	6.1E+08
Q9R0Q7	Prostaglandin E synthase 3	110.84	53	8	1	1E+09	4E+08	2E+09	4E+07	7E+08	2E+09	2E+09	2E+07		8E+08		4.7E+07
P04797	Glyceraldehyde-3-phosphate dehydrogenase	110.67	30	7	1	5E+09	2E+07	2E+10	3E+08		4.9E+09			3E+08	3E+08		
Q6MG08	ATP-binding cassette sub-family F member 1	107.51	16	8	1	2E+08	5E+07	9E+08	9E+06	2E+07	3.2E+08		9E+07				
O35887	Calumenin precursor	107.43	28	7	1							8E+09	2E+09	1E+09	5E+09	5E+09	3.3E+08
Q62991	Sec1 family domain-containing protein 1	105.82	15	7	1							1E+09	7E+08	1E+09	1E+09	1E+08	9.1E+08
Q68FR2	Bridging integrator 2	103.98	25	7	1		1E+09	1E+09		1E+08	7.6E+08						
Q920A6	Retinoid-inducible serine carboxypeptidase precursor	103.77	20	7	1							1E+09	1E+09	3E+08	1E+09	2E+09	1.9E+08
Q9DBT5	AMP deaminase 2	101.31	10	7	1	4E+08		9E+08	3E+08			5E+08		1E+08	5E+08		9.4E+07
P13084	Nucleophosmin	100.42	35	6	1	6E+08	1E+08	1E+09	7E+07		5.1E+08		5E+08	6E+08		8E+08	
Q3KR97	Brain-specific angiogenesis inhibitor 1-associated protein 2-like p	100.17	19	8	1							3E+09	1E+09	6E+07	4E+09	3E+09	
O35075	Down syndrome critical region protein 3 homolog	99.81	30	6	1		2E+08	2E+08		6E+07	1E+08	6E+07	2E+09	2E+09	6E+07	1E+09	8.1E+08
Q5SQG3	FK506-binding protein 15	99.7	7	7	1							3E+09	6E+08	8E+08	5E+09	8E+08	1.4E+09
Q5FWU0	WAS protein family member 2	97.24	15	6	1	3E+08	1E+08	1E+09	3E+07		5.4E+08	2E+09	9E+08		9E+08	3E+09	1.3E+08
Q69Z35	Serine/threonine-protein phosphatase 4 regulatory subunit 3A	96.78	12	7	1	3E+08	7E+07	9E+08	9E+07	3E+07	3.7E+08						
Q3MID3	Zinc finger protein 289	95.69	17	6	1	2E+09	2E+07	9E+08	2E+09	2E+08	3.1E+09	9E+08	1E+09		1E+09	1E+08	3.3E+08

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Q9Z1Z2	ARF GTPase-activating protein 1d	92.14	15	6	1	5E+07			7E+07	4E+07	1.8E+07							
Q3KRF2	High density lipoprotein binding protein	91.98	9	6	1			3E+08			1.1E+08	7E+08	3E+08		6E+08	2E+09	5E+07	
Q5M943	THUMP domain containing 1	91.52	24	6	1	1E+09	4E+07	7E+09	6E+09		3.2E+08							
Q4V8B0	Oxidation resistance protein 1	91.14	13	6	1	2E+09	8E+07	4E+09	1E+09	5E+07	1.9E+09							
Q5I2Z0	Syndapin III	90.91	23	6	1	2E+08	1E+08		5E+08	6E+07	7.3E+08	2E+09	2E+09	2E+09	1E+09	2E+09	1.2E+09	
Q64535	ATPase 7B	90.23	5	6	1								3E+08	7E+07		8E+07	2.2E+09	
Q6MG06	Guanine nucleotide binding protein-like 1	89	15	6	1	6E+07	1E+07	5E+08	3E+08	3E+07	3.5E+08							
Q32PZ7	Srp72 protein	88.43	28	6	1	1E+08	1E+08	5E+08	4E+07	5E+07	5.7E+07		4E+07	3E+07		1E+09	6666667	
Q32Q06	AP-1 complex subunit mu-1	88.14	22	6	1								8E+08	5E+08	1E+09	1E+09	1.4E+08	
P12368	cAMP-dependent protein kinase type II-alpha regulatory subunit	87.77	18	5	1	3E+08		4E+09	5E+08	4E+07	1.4E+08	3E+08	2E+09	1E+08	3E+08	9E+08	2.3E+08	
P21643	Tryptophan 23-dioxygenase	87.56	19	6	1	6E+09	3E+09	2E+10	5E+09	2E+09	6.6E+09							
Q3U473	WAS protein family homolog 1	87.2	19	5	1	5E+07	4E+07	7E+07	1E+07		4.4E+07	2E+09	2E+09	3E+08	5E+09	7E+08	4.4E+08	
Q8BGC0	HIV TAT specific factor 1	87.04	11	6	1	2E+09	2E+08	4E+09	1E+08	7E+06	6E+07							
Q8C1Y8	Vacuolar fusion protein CCZ1 homolog	86.91	16	6	1				8E+07			2E+09	5E+08	5E+08	2E+09		4.7E+08	
P23457	3-alpha-hydroxysteroid dehydrogenase	86.89	26	5	1	4E+09	1E+09	3E+09	7E+08	3E+08	4.7E+09	1E+08	6E+08	7E+08	1E+09	3E+08	2.3E+08	
Q63068	Phosphorylated adapter RNA export protein	86.01	18	6	1	1E+09	6E+08	6E+09	6E+09	4E+08	1.3E+09							
Q9QXU8	Cytoplasmic dynein 1 light intermediate chain 1	86	18	6	1				5E+06			9E+08	6E+08		4E+08	6E+08		
Q4JG03	Mcl-1 ubiquitin ligase	85.81	2	6	1	2E+07		1E+09	1E+07	4E+06	1.4E+08			4E+08		5E+08		
Q3U335	Serine/threonine-protein kinase 24	83.71	16	6	1	1E+09	1E+07	4E+09	6E+07	6E+06	6E+08	1E+09	7E+07	9E+06		7E+08		
Q8BLK9	Ribosomal protein S6 kinase delta-1	83.5	5	5	1		7E+07			7E+07		1E+08	8E+06	6E+08		5E+08	4.5E+08	
Q9JM80	Phosphoprotein associated with glycosphingolipid-enriched micro	83	20	5	1							1E+09			2E+09	8E+08	1.5E+07	
Q3U819	SUMO-activating enzyme subunit 2	82.27	12	5	1	1E+08	5E+07	2E+09	2E+08	1E+08	3E+08							
Q9JHZ4	GRIP1-associated protein 1	80.3	12	6	1	1E+08		2E+09	1E+07	2E+06								
O70593	Small glutamine-rich tetratricopeptide repeat-containing protein	79.25	16	5	1	1E+10	2E+09	2E+10	8E+09	2E+09	1.6E+10	6E+08	2E+08	9E+07	2E+09	4E+08	1.5E+08	
Q5RJP0	Aldo-keto reductase family 1 member B7	78.34	27	5	1	4E+08	1E+08	1E+09	2E+08	2E+08	5.9E+08		4E+08	1E+07		9E+07		
Q2HWE9	Cdc42 effector short isoform	78.25	12	6	1	2E+08	4E+07	1E+09			7.2E+07							
Q5U318	Phosphoprotein enriched in astrocytes 15	77.47	45	5	1			6E+08	1E+07		4207818							
Q05764	Beta-adducin	77.31	9	5	1							2E+08	1E+09	1E+09	9E+08	1E+09	1.5E+09	
Q66H15	Regulator of microtubule dynamics protein 3	76.97	18	5	1		7E+07	4E+07	4E+07	5E+07	4.8E+07							
Q68A21	Transcriptional activator protein Pur-beta	76.47	35	5	1	3E+09	1E+08	3E+08	2E+09			1E+09	2E+09		4E+08	9E+07	1.6E+09	
P41034	Alpha-tocopherol transfer protein	75.64	28	5	1	3E+09	7E+07	1E+09	6E+09	1E+07	2.3E+09		6E+08					
Q6PCR9	Ube2o protein	75.51	9	5	1	4E+07	2E+07	1E+09	7E+07		2.7E+08							
Q5U211	Sorting nexin 3	74.2	17	5	1							6E+09	3E+09	1E+08	5E+09	1E+09	2.6E+08	
Q5U1Z0	Rab3 GTPase-activating protein non-catalytic subunit	73.98	5	5	1					2E+07				1E+08			5.7E+07	
P47856	Glucosamine--fructose-6-phosphate aminotransferase [isomerizin	73.69	11	5	1	2E+09	3E+07	3E+09	7E+08		6E+08							
P19468	Glutamate--cysteine ligase catalytic subunit	73.57	10	5	1				9E+06	8E+06	3.9E+08							
Q5XIF0	Tex264 protein	73.56	22	5	1							7E+08	1E+09	8E+08	1E+09		2.1E+08	
Q4QQV6	Lymphocyte specific 1	73.36	31	5	1	1E+09	1E+08			2E+07	7.8E+08		5E+08		3E+08			
P07824	Arginase-1	72.77	22	5	1		1E+08	2E+08	6E+06	5E+07		7E+07	2E+07	2E+07	1E+09	6E+08	1.5E+07	
P70670	Nascent polypeptide-associated complex subunit alpha muscle-sp	72.2	3	4	1	3E+09	1E+09	9E+09	2E+09	1E+09	6.9E+09	2E+08	1E+09		8E+08	5E+08		
Q5XIG8	Serine/threonine kinase receptor associated protein	71.79	23	5	1	5E+08	2E+08	2E+09	2E+08	6E+07	1E+09							
P18653	Ribosomal protein S6 kinase alpha-1	71.07	9	4	1			1E+08		2E+07					1E+08	6E+08		
Q32P49	Mesoderm induction early response 1 isoform b	70.64	17	5	1	3E+08	6E+07	2E+09	1E+08		3.2E+08							
Q3TXI1	influenza virus NS1A binding protein	70.51	12	4	1	2E+09	3E+08	4E+09	2E+09	2E+08	2.2E+09							
O35314	Secretogranin-1 precursor	70.5	10	4	1								2E+08	6E+07	3E+08	2E+08	2.7E+08	
O35344	Importin alpha-3 subunit	70.01	12	5	1		2E+08	7E+08										
P09216	Protein kinase C epsilon type	70.01	6	4	1	7E+07		7E+07	2E+08		4E+07		2E+08	1E+08		2E+08	1.8E+08	
Q80ZB2	ATP-binding cassette 1	69.78	3	5	1									6E+08		5E+07		
Q3UW92	Cask protein	69.59	12	4	1								7E+07	2E+07		4E+08		
Q5BK33	P55 protein	69.29	17	5	1							2E+08	1E+08	1E+07	3E+08	2E+09	3.7E+08	
Q6P744	Thyroid hormone receptor interactor 10	68.34	14	4	1			5E+08			3.7E+08							
Q3KRD6	Xylosyltransferase II	67.72	7	5	1								7E+08	3E+08		4E+08	4.2E+08	
P25113	Phosphoglycerate mutase 1	67.14	29	4	1	1E+07	1E+08	1E+09	3E+07	6E+06	7E+07							
Q3U2K9	weakly similar to C-MYC promoter-binding protein IRLB	67.02	5	4	1	1E+07		2E+08					6E+06	2E+07		1E+08		
Q5M7A4	Ubiquitin-activating enzyme E1 domain-containing protein 1	66.97	17	4	1	2E+07	9E+07	1E+09	2E+07	5E+07	9.1E+07							
O08547	Vesicle-trafficking protein SEC22b	66.62	20	4	1							3E+08	2E+09	2E+08		8E+08	2.4E+08	
P38438	TGF-beta receptor type-2 precursor	66.52	10	4	1							2E+08	8E+08		1E+09			
Q62871	Cytoplasmic dynein 1 intermediate chain 2	66.5	11	4	1	2E+08						5E+08	6E+08	7E+08	5E+08	9E+08	1.1E+09	
Q3UM85	Rab11 family-interacting protein 5	65.5	9	4	1							8E+08	6E+07	9E+07		4E+08	3.8E+08	

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Q9H1B	Similar to RIKEN cDNA 2400010J15	65.13	10	4	1								8E+07	1E+08			2E+08	7500000
Q2I1Z0	Max-like factor protein	64.85	29	4	1			2E+08	2E+08		3E+08							
Q9JKC9	AP1 subunit gamma-binding protein 1	64.22	11	4	1		7E+07	1E+09	4E+08	4E+07	1.1E+09					2E+08		
Q3U5E1	E3 ligase for inhibin receptor homolog	64.21	10	4	1	2E+07		7E+08	8E+08	2E+07	1.1E+07							
Q8CIN9	Rififylin	64.2	24	4	1								3E+08			4E+08		2.3E+07
P31044	Phosphatidylethanolamine-binding protein 1	64.1	38	4	1	5E+07		2E+09		4E+07								
Q5FVT1	RalA-binding protein 1	63.55	8	4	1	1E+08			3E+07									
Q3TIR3	Synembryn-A	63.46	13	4	1	9E+08	5E+07	4E+09	1E+07		1.2E+09							
Q811I5	Trip11 protein	63.14	14	4	1										1E+09	3E+08	7E+08	4E+07
Q5QD49	A kinase anchoring protein 12 gamma	63.1	6	4	1	5E+08		2E+08	5E+08	2E+07	2E+08		2E+08			3E+07		
Q5I034	Hypothetical protein RGD1311899	62.9	27	4	1		2E+08	2E+08	2E+08		1.8E+09							
Q9CT10	Ran-binding protein 3	62.82	11	4	1	8E+07			3E+07		5.2E+07							
Q5RKG9	Eukaryotic translation initiation factor 4B	62.42	10	4	1		2E+08	2E+08	1E+09	6E+06	1.8E+09			2E+07				3.5E+07
P35831	Tyrosine-protein phosphatase non-receptor type 12	62.07	7	4	1	2E+07		1E+09	5E+07		9E+07			2E+08				
Q3THK3	General transcription factor IIF polypeptide 1	61.37	9	4	1	9E+08		7E+09										
Q5FWX7	Oxysterol-binding protein	61.33	10	4	1		4E+07	1E+08			9.3E+07			2E+08				
Q8VHT6	Arsenite methyltransferase	61	17	4	1	2E+08		6E+08	3E+08	6E+07	6.6E+08							
Q3UHH1	2310021P13Rik protein	60.29	3	4	1	8E+06	1E+07											
Q3KRD1	Hypothetical protein LOC312777	60.04	10	3	1	5E+08	6E+07		2E+08	2E+08	1.4E+08							
P49138	MAP kinase-activated protein kinase 2	59.72	17	4	1	3E+08	3E+08	1E+09	1E+09	4E+08	1.5E+09							
Q62894	Extracellular matrix protein 1 precursor	59.67	16	5	1	1E+08										3E+08	2E+09	5E+07
Q2LC84	Numb isoform i/i	59.33	8	4	1									2E+07		4E+08	1E+09	
P48193	Protein 4.1	59.19	5	4	1								5E+08	1E+09	8E+06	3E+08	3E+08	8.5E+08
P08290	Asialoglycoprotein receptor 2	58.88	18	4	1								1E+09	6E+09	1E+08	1E+09	8E+09	5.6E+08
P01946	Hemoglobin subunit alpha-1/2	58.86	37	3	1	5E+09	1E+08	9E+09	6E+09	5E+06	3E+09		2E+09	3E+09	2E+09	3E+09	4E+09	1.4E+09
O35430	Amyloid beta A4 precursor protein-binding family A member 1	58.69	5	3	1													
P41413	Proprotein convertase subtilisin/kexin type 5 precursor	57.1	3	3	1								1E+09	6E+08	2E+08	2E+09	3E+08	3.8E+08
Q3UMY5	echinoderm microtubule associated protein like 4	57.07	5	4	1			2E+08									1E+09	
Q8BHU7	Dyslexia-associated protein KIAA0319-like protein	56.42	5	4	1									2E+08		2E+08	2E+09	1.3E+09
Q3KRC5	tRNA-dihydrouridine synthase 3-like	55.88	10	3	1	5E+08		2E+08	2E+08		1.3E+09							
P67999	Ribosomal protein S6 kinase beta-1	55.83	8	3	1		9E+07			2E+08								
O88900	Growth factor receptor-bound protein 14	55.46	15	4	1			5E+06										2.6E+07
P62161	Calmodulin	55.07	29	4	1	2E+08	2E+08	1E+09		3E+08	2E+09						2E+09	
P26453	Basigin precursor	54.85	12	3	1								3E+08	7E+06	4E+07	1E+09	7E+08	1.6E+07
Q3TA40	hypothetical protein	54.59	16	4	1	1E+07	1E+07	4E+09			4E+08							
Q3UMP4	Plasminogen activator inhibitor 1 RNA-binding protein	53.51	16	4	1								3E+08	2E+08	5E+06	2E+08	3E+07	5.7E+07
P22449	Hepatocyte nuclear factor 4-alpha	53.27	14	4	1		9E+07			1E+08	3.3E+07							
P02692	Fatty acid-binding protein liver	52.97	36	3	1	4E+09	9E+08	8E+09	2E+07	5E+08	8E+08							
Q99K30	Epidermal growth factor receptor kinase substrate 8-like protein	52.75	7	3	1			2E+08										
Q6TLK4	CIN85-associated multi-domain containing RhoGAP 1	52.22	7	3	1	5E+06		3E+08										
Q6AXQ3	Proto-oncogene tyrosine-protein kinase Yes	52.04	10	3	1									8E+06	1E+09		2E+09	2.5E+09
Q61687	Transcriptional regulator ATRX	51.97	1	3	1													
Q3UA37	Glutamine-rich protein 1	50.93	7	3	1		6E+07	8E+08		1E+07	4.4E+08							
Q6AY21	Ras-GTPase-activating protein-binding protein 2	50.25	10	3	1			1E+08	6E+06				3E+08	3E+07		2E+08	2E+09	
O35254	Golgi reassembly-stacking protein 1	50.08	15	3	1						1E+08		2E+07	2E+09		1E+09	3E+08	
O54916	RalBP1-associated Eps domain-containing protein 1	49.54	6	3	1	2E+08		4E+08		1E+07				3E+08				
Q3MHT9	Niban-like protein	49.21	15	3	1		4E+07			3E+06	8.5E+08		7E+08			3E+08	2E+08	1.6E+07
Q7TPE5	Solute carrier family 7 member 6 opposite strand	48.93	13	3	1		2E+08	2E+09		1E+08								
Q9JHK1	Caspase-9 long isoform	47.73	14	3	1	8E+07		1E+09	8E+08		1.4E+07							
P59672	Ankyrin repeat and SAM domain-containing protein 1A	47.46	2	3	1	1E+08	5E+07	4E+08			3.4E+07							
Q66H43	Hypothetical protein LOC497934	47.39	23	3	1									2E+08		6E+07		
Q9CSN5	Peptidyl-prolyl cis-trans isomerase-like 4	47.03	13	3	1		2E+07		2E+08	5E+07	3.7E+07							
Q9JHX4	Caspase-8	46.82	13	3	1			7E+08										
Q9QYM2	Poly(ADP-ribose) glycohydrolase	46.82	5	3	1				3E+06									
Q01062	cGMP-dependent 3'5'-cyclic phosphodiesterase	46.77	5	3	1						4.3E+08							2.6E+07
Q5XIN7	Protein O-linked-mannose beta-12-N-acetylglucosaminyltransfera	46.38	8	3	1									3E+08				
Q571D7	Melanoma inhibitory activity protein 3	45.95	10	3	1								2E+09	8E+08	3E+08	2E+09	3E+08	4.4E+08
Q8C0D4	Rho-GTPase-activating protein 12	45.86	6	3	1	6E+07		7E+07	9E+07									5.1E+07
Q63187	Transcription elongation factor B polypeptide 3	44.55	5	3	1			5E+08										

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Q3BUV2	Death-associated kinase 2	44.37	25	3	1			5E+08		2E+07								
P46953	3-hydroxyanthranilate 34-dioxygenase	44.28	14	3	1	6E+07	3E+07	3E+09	1E+08		5675069			2E+07				
Q4V7E8	Leucine-rich repeat flightless-interacting protein 2	44.26	10	3	1			1E+09	7E+07				2E+08					
Q9EPH2	MARCKS-related protein	43.92	28	3	1	5E+07	5E+08	5E+08	1E+08		1.1E+09			3E+07				
Q9QZC5	Growth factor receptor binding protein GRB7	43.72	9	3	1			2E+07										
Q62093	Splicing factor arginine/serine-rich 2	43.63	17	3	1		1E+07	1E+09	8E+06									
Q9Z2D1	Myotubularin-related protein 2	43.47	7	3	1					6E+08			4E+08					
Q5FVR2	Endothelial cell growth factor 1	43.31	10	3	1	2E+08		2E+08										
Q3U2P1	Protein transport protein Sec24A	42.77	5	3	1								3E+08					
Q91UZ1	Phospholipase C beta 4	42.73	4	3	1										7E+07		2.2E+07	
Q3TSG4	Alkylated repair protein alkB homolog 5	42.02	8	3	1			1E+08	9E+07									
Q8K051	Trip12 protein	42.02	4	3	1	2E+08		1E+08										
P29066	Beta-arrestin-1	42.02	12	2	1			7E+08	1E+07		7.3E+07		3E+08	2E+08		7E+07	1.5E+08	
Q3UW73	serum/glucocorticoid regulated kinase 2	41.93	11	3	1		3E+07			1E+08	3.3E+08							
Q3UI45	zinc finger protein 162	41.78	8	3	1	6E+08		1E+09	2E+07		1.5E+08							
P22288	GTP cyclohydrolase I precursor	41.76	10	2	1								2E+07			1E+08	1.2E+08	
Q3UAR0	PTB-containing, cubilin and LRP1-interacting protein	41.38	21	3	1							1E+09	5E+08		3E+08	2E+09	3.2E+07	
Q5DTW5	Shootin-1	41.12	5	3	1	2E+08		1E+09										
Q7TQI3	Ubiquitin thioesterase protein OTUB1	40.8	20	3	1		8E+07		5E+08		1.4E+09							
Q69ZJ1	Ran-binding protein 10	40.8	8	2	1			9E+07	4E+08	3E+08	2.3E+08							
Q9WVL0	Maleylacetoacetate isomerase	40.55	18	3	1	4E+09	2E+08	9E+08			6.7E+08							
Q3TCY2	Pleckstrin homology domain-containing family O member 2	39.8	9	3	1			2E+09	2E+08		2.9E+07		4E+07		2E+08		4166667	
Q5BJX6	Ccdc132 protein	39.72	9	3	1			1E+09	4E+07	3E+07	9.2E+07	4E+07	8E+08				2.5E+07	
P42932	T-complex protein 1 subunit theta	39.09	8	3	1		6E+07	2E+08			6.2E+08							
Q10728	Protein phosphatase 1 regulatory subunit 12A	38.4	3	3	1	1E+08												
Q5EBA5	Lipin 3	37.94	5	2	1			4E+08										
P81718	Tyrosine-protein phosphatase non-receptor type 6	37.15	7	3	1				4E+07									
Q5BJQ2	NF-E2 inducible protein	36.76	9	2	1	1E+09		2E+09	2E+09		2.4E+09							
Q53UA7	Serine/threonine-protein kinase TAO3	36.46	5	3	1	3E+07												
Q6PEE2	CBP80/20-dependent translation initiation factor	36.1	6	3	1													
Q3U4E2	phospholipase C-like 2	35.87	4	2	1													
P70459	ETS domain-containing transcription factor ERF	35.74	6	2	1	5E+08		1E+09			2.9E+08							
Q7TP01	Bq135360	35.55	11	3	1	2E+07			6E+06				7E+08					
Q08850	Syntaxin-4	35.39	13	3	1								1E+09		2E+08	5E+08		
P42335	Inositol-trisphosphate 3-kinase B	34.94	3	2	1		3E+07		2E+08	4E+07	6.2E+08							
Q8BH99	Non-catalytic region of tyrosine kinase adaptor protein 1	34.93	12	2	1			7E+08										
Q62901	Arginine-glutamic acid dipeptide repeats protein	34.6	2	2	1													
Q9D219	B-cell lymphoma 9 protein	34.49	3	2	1						2.4E+08							
P97431	Interferon regulatory factor 6	34.34	6	2	1													
P97855	Ras-GTPase-activating protein-binding protein 1	34.1	9	2	1							2E+08			1E+08	1E+08		
Q5F2E7	Nuclear fragile X mental retardation-interacting protein 2	33.94	5	2	1										1E+08			
P26431	Sodium/hydrogen exchanger 1	33.93	6	2	1													
Q3ZAV8	Enhancer of mRNA-decapping protein 4	33.9	3	2	1													
Q9QXL2	Kinesin family member 21A	33.81	2	3	1				1E+07									
Q6AY02	RNA binding motif protein 17	33.73	8	2	1			9E+07	4E+07		8.8E+07							
Q8BJI6	hypothetical Tetratricopeptide repeat	33.69	5	3	1	6E+08		2E+08	1E+07									
Q5U2Z5	Cap-specific mRNA (nucleoside-2'-O-)-methyltransferase 1	33.47	3	2	1				3E+06									
Q91V36	Nuclear receptor-binding protein 2	33.17	12	2	1			2E+08										
Q66H91	G protein-coupled receptor kinase-interactor 2	33.09	7	2	1			4E+08	1E+08		1.2E+08							
Q3TJJ5	protein kinase C iota	33.07	8	2	1			2E+07										
Q5PQX1	Torsin-1A-interacting protein 1	33.03	7	2	1								7E+07				1.5E+08	
Q3UFW9	TBC1 domain family member 2A	32.67	3	2	1													
Q6ZQ93	Ubiquitin carboxyl-terminal hydrolase 34	32.65	4	2	1				2E+08									
Q5M9G6	Smad nuclear interacting protein 1	32.63	9	2	1													
Q4V889	Ring finger protein 12	32.46	6	2	1					8E+06								
P41230	Jumonji/ARID domain-containing protein 1C	32.35	1	2	1				4E+06	6E+07	7.2E+07							
P70336	Rho-associated protein kinase 2	32.23	3	3	1	8E+07		3E+08		6E+06			3E+08					
Q3KQH9	PEST proteolytic signal-containing nuclear protein	32.21	23	2	1													
Q6PAI8	BC057627 protein	32.16	5	2	1	1E+09	7E+07	4E+08	2E+08	2E+08	5.6E+08							

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Q3U6H4	abl interactor 1	32.12	6	2	1												7E+08	
Q62947	Transcription factor 8	31.84	3	2	1	3E+07		1E+08	1E+08		2.2E+08							
Q3U3M8	ribosomal protein S6 kinase polypeptide 4	31.7	4	2	1			2E+08		1E+07								
Q91Y80	SH3 domain-binding protein 5	31.67	7	2	1								3E+08	3E+08	1E+08	1E+08	2.4E+08	
Q8C525	Protein MB21D2	31.44	9	2	1													
Q3UH33	AW555464 protein	31.43	2	2	1			2E+08	8E+07									
Q5XIB1	Protein TSSC4	31.33	11	2	1	5E+07		3E+09	2E+07		3E+07							
O54716	Kanadaptin	30.97	8	2	1													
O88831	Calcium/calmodulin-dependent protein kinase kinase 2	30.75	5	2	1			8E+07										
Q3TQI7	Protein C9orf78 homolog	30.67	10	2	1													
P18266	Glycogen synthase kinase-3 beta	30.61	7	2	1		2E+08	3E+08		9E+07	5.2E+08							
Q148U2	Serine/threonine-protein kinase Nek9	30.59	2	2	1			3E+08			2.9E+07		1E+07					
Q4V8L9	Phosducin-like protein	30.56	12	2	1	2E+07	2E+07	2E+09	1E+09	1E+07	9.5E+08							
Q8CFS0	Za20d1 protein	30.23	9	2	1													
O35832	Serine/threonine-protein kinase PCTAIRE-3	30.17	8	2	1						6.6E+08							
Q8BS62	Protein SMG8	30.15	6	2	1				2E+06									
Q3UYU7	zinc finger CCCH type domain containing 5	30.13	6	2	1			2E+08										
Q3V3Q7	Pacs2 protein	29.96	3	2	1													
P60904	Dnajc5 protein	29.89	21	2	1													
Q6MFY6	Protein phosphatase 1 regulatory subunit 11	29.64	34	2	1				2E+07		2E+09							
P62071	Ras-related protein R-Ras2	29.62	7	2	1													
Q4L1J4	Membrane associated guanylate kinase 1 b	29.61	3	2	1	1E+08												
Q8BM47	Pleckstrin homology domain-containing family M member 3	29.6	4	2	1													
O55173	3-phosphoinositide-dependent protein kinase 1	29.52	5	2	1				8E+06									
Q3KR59	Ubiquitin specific protease 10	29.43	4	2	1													
P11960	2-oxoisovalerate dehydrogenase subunit alpha mitochondrial pre	29.22	8	2	1										1E+09			
Q04931	FACT complex subunit SSRP1	29.18	6	2	1		5E+07	2E+08	2E+08	2E+08	2.5E+08							
Q4V8C3	Echinoderm microtubule associated protein like 1	29.14	4	2	1													
Q3UK41	Wolf-Hirschhorn syndrome candidate 2	29.07	6	2	1			2E+09										
Q6PDG8	Mon1a protein	28.95	6	2	1								5E+08	1E+08		2E+08	1.3E+08	
Q80TD6	Protein virilizer homolog	28.86	2	2	1													
Q3TYJ0	STIP1 homology and U-Box containing protein 1	28.75	10	2	1							3E+08	1E+07	2E+08	3E+08		3.3E+07	
P51111	Huntingtin	28.69	1	2	1			8E+08										
O88377	Phosphatidylinositol-4-phosphate 5-kinase type-2 beta	28.68	11	2	1			3E+09										
Q5XI21	Target of Myb protein 1	28.49	8	2	1							1E+08						
Q5U621	BC022146 protein	28.35	3	2	1	5E+06		3E+08										
Q9CSN1	SNW domain-containing protein 1	28.31	5	2	1													
Q3TYX4	mutated in colorectal cancers	28.29	3	2	1				5E+08		2.7E+08							
Q4V8J1	Hypothetical protein LOC501194	28.29	5	2	1				1E+08									
Q03172	Zinc finger protein 40	28.26	1	2	1													
Q9ES74	Serine/threonine-protein kinase Nek7	28.1	12	2	1													
P21139	Alpha-mannosidase 2C1	28.03	3	2	1													
Q63624	Splicing factor, arginine/serine-rich 19	27.95	3	2	1													
Q3UGP0	double cortin and calcium/calmodulin-dependent protein kinase-	27.87	9	2	1			3E+07										
P50411	Protein phosphatase inhibitor 2	27.43	8	2	1						3.9E+07							
P59996	Proprotein convertase subtilisin/kexin type 9 precursor	27.27	4	2	1								3E+07		6E+08	1E+08		
Q3UH05	integrin beta 1 binding protein 1	27.05	3	2	1													
P07632	Superoxide dismutase [Cu-Zn]	26.94	15	2	1		6E+07	2E+09	2E+08	4E+07						6E+08		
Q3TPS4	HEAT repeat-containing protein 5B	26.92	3	2	1													
Q7TP36	Shroom2	26.63	2	2	1													
Q3THK4	RNA binding motif protein 15 .	26.5	3	2	1													
Q8BIM6	TBC1 domain family member 25	26.34	4	2	1			3E+08										
Q3UYC8	Putative uncharacterized protein	26.24	3	2	1													
Q5FWX6	Protein kinase D3	26.23	3	2	1			1E+08	9E+08	8E+07	2.1E+08	6E+07	2E+08	3E+08	9E+07	2E+08	7.3E+07	
Q62910	Synaptojanin-1	26.23	2	2	1				5E+07									
Q80U46	Transcription factor 20	26	2	2	1			5E+08			3.7E+08							
P54823	DEAD	25.96	7	2	1								2E+08			4E+08	1.2E+08	
Q2YDU3	OTU domain-containing protein 5	25.94	6	2	1				4E+06		6666667							
Q5XFX7	RAD23a homolog	25.93	12	2	1			5E+08										

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P15205	Microtubule-associated protein 1B	25.92	1	2	1			1E+08						
P15975	Inactive ubiquitin carboxyl-terminal hydrolase 53	25.9	3	2	1					2E+08				
Q3UPB2	Novel protein	25.79	5	2	1								2E+08	
Q8K4R1	Barmotin	25.4	2	2	1			1E+09			2E+09			
O35738	Krueppel-like factor 12	25.38	10	2	1									
Q5U2Z7	Rho GTPase activating protein 24	25.24	4	2	1									
Q5DTP4	MKIAA4082 protein	25.08	7	2	1		2E+08		6E+07		1E+07			
P97573	Inositol polyphosphate 5' phosphatase Ship	24.93	3	2	1	1E+08								
Q3TMC2	Rho GTPase activating protein 6	24.91	3	2	1									
P21744	Insulin-like growth factor-binding protein 4 precursor	24.7	11	2	1								4E+08	4E+08
Q5HZB6	Splicing factor arginine/serine-rich 16 isoform L	24.58	5	2	1									
Q1AAU4	ASAP1 splice variant c	24.48	3	2	1									
Q9QZK2	Breast cancer anti-estrogen resistance protein 3	24.35	3	2	1									
Q640Q1	AT rich interactive domain 1A	24.22	2	2	1		7E+07							
Q3ZAQ4	Autophagy 9-like 1 protein	24.08	3	2	1									
Q5XIL4	SH3 domain protein 4	23.94	3	2	1									
Q8BHW0	similar to HYPOTHETICAL 139.5 kDa PROTEIN	23.59	2	2	1									
Q569Y6	Ubiquitin-conjugating enzyme E2 variant 1	23.45	14	2	1	2E+07								
Q3UMF0	Cordon-bleu protein-like 1	21.88	2	2	1									

(a) Acession numbers (Acc #) are from UniProt database.
(b) Protein score as calculated by Spectrum Mill Software

Supplementary Table 3. Identified phosphopeptides and phosphorylation sites

					Relative Abundance											
					Cytosol						Endosomes					
Sequence (a)	Z	Phosphosites (b)	Acc. # (c)	Protein Name	Ctrl1	Ctrl2	Ctrl3	Ins1	Ins2	Ins3	Ctrl1	Ctrl2	Ctrl3	Ins1	Ins2	Ins3
AENAAAsPEVGSADVANVAQK	2	S744s	Q80X08	WASH complex subunit FAM21	1.2E+08	1.9E+08	2E+08	0	0	0	0	1.1E+09	5.7E+08	4.5E+08	4.3E+08	9.3E+08
AGNsDsEEEDANERVELILEPK	3	S157s S159s	Q80X08	WASH complex subunit FAM21	0	0	0	0	0	0	0	1.9E+08	0	0	0	0
ASALFSsDEEDQWSVADSQTK	2	S611s	Q80X08	WASH complex subunit FAM21	0	2.7E+08	0	0	7.3E+07	0	0	0	0	0	0	0
EGLLPTsDQEAGGPSDIFSSSSPLDK	2	S765s	Q80X08	WASH complex subunit FAM21	0	0	0	0	0	0	0	8.5E+07	0	0	0	0
EGLLPTSDQEAGGPSDIFSSsSPLDKGAK	3	S779s	Q80X08	WASH complex subunit FAM21	0	0	0	0	0	0	0	0	0	0	0	0
GPVTQLSsSPVLPNGHQPLLQPR	3	S1059s	Q80X08	WASH complex subunit FAM21	0	0	0	0	0	0	0	0	0	0	0	0
GQPAQGPVSEESPPsPKPGK	2	S387s	Q80X08	WASH complex subunit FAM21	0	0	0	0	0	5E+07	0	2.1E+08	2.6E+09	9.2E+08	2.7E+08	0
GQPAQGPVSEESPPsPKPGKK	3	S387s	Q80X08	WASH complex subunit FAM21	1.6E+08	2.3E+08	6.5E+07	7.5E+07	2.5E+08	0	0	3.8E+08	3E+08	2E+08	0	1.1E+08
KASALFSsDEEDQWSVADSQTK	3	S611s	Q80X08	WASH complex subunit FAM21	0	0	0	7.7E+08	0	0	0	0	0	1.1E+08	6.5E+08	0
RLAAQESsEAEDVTIDR	3	S1042s	Q80X08	WASH complex subunit FAM21	0	0	0	0	0	0	0	3.9E+08	0	0	0	0
RtPADDEEDILFPPPTLTDEDFSPFGSR	3	T321t	Q80X08	WASH complex subunit FAM21	0	0	0	0	0	4.6E+08	0	9.9E+08	4.8E+08	0	9.6E+08	0
SEHKVASIFDDPLNAFGsQ	3	S1333s	Q80X08	WASH complex subunit FAM21	0	0	0	0	0	0	0	0	0	1.4E+08	0	0
SKRPtSFADELAAR	3	T282t	Q80X08	WASH complex subunit FAM21	0	0	0	0	0	0	0	0	0	7.6E+07	0	0
SPHLPAPTGLFDDDDNDsDEDDNFFMPSSSKPSK	3	S448s	Q80X08	WASH complex subunit FAM21	0	0	0	0	0	0	0	0	0	0	7.7E+08	0
StGVFQDEELLFSHK	2	T830t	Q80X08	WASH complex subunit FAM21	0	0	0	0	0	0	0	4.8E+07	0	0	0	0
tKSASVLSSQPPASVSLFGDEDEEDNLFGSAAAK	3	T548t	Q80X08	WASH complex subunit FAM21	0	0	0	0	0	0	0	0	0	0	0	0
tRLSMPSGGSLFGDDDDDDLFSTAK	3	T861t	Q80X08	WASH complex subunit FAM21	0	0	0	2.2E+08	0	0	0	0	0	0	0	0
TsLLFEDDTDSGSSLFSLPPTSVPPAATK	3	S681s*	Q80X08	WASH complex subunit FAM21	0	0	0	0	0	0	0	0	0	0	0	0
TsPDSEQPPASEPVWERPWSVEEIR	3	S5s	Q80X08	WASH complex subunit FAM21	0	0	0	0	0	0	0	0	0	0	0	0
TsPDSEQPPASEPVWERPWSVEEIRR	3	S5s	Q80X08	WASH complex subunit FAM21	0	0	0	0	0	0	0	0	0	0	0	0
TTALPAASVsQTDENKAR	3	S496s	Q80X08	WASH complex subunit FAM21	0	0	0	0	0	0	0	0	0	0	0	0
TVLsLFDEEDEDKVEDDSNTCAPQGGLEK	3	S795s	Q80X08	WASH complex subunit FAM21	0	0	0	0	0	0	0	0	0	6.9E+07	1E+09	8.5E+08
VPLLFSDEEDsEVPSGVKPVDLK	3	S725s	Q80X08	WASH complex subunit FAM21	0	0	0	0	0	0	0	3.4E+08	0	0	0	0
FIIGSVsEDNSEDEISNLVK	2	S25s	P11497	Acetyl-CoA carboxylase 1	1.3E+09	2.6E+09	4.3E+09	1.9E+09	3.4E+09	4.2E+09	0	0	0	0	0	0
MAMPINVsDPDLLR	2	S1339s	P11497	Acetyl-CoA carboxylase 1	2.8E+07	7.2E+08	3.9E+08	0	2.6E+08	0	0	0	0	0	0	0
QLHIEGASLELsDDDTESK	3	S1993s	Q3UHT9	myosin heavy chain IX,	0	6.4E+07	0	0	0	0	0	0	0	0	0	0
ADTGDAPVPAPAGDQKDVPAsEK	3	S440s	Q497A4	Nucleobindin 1	0	0	0	0	0	0	0	1.5E+08	6.8E+07	0	4.8E+07	0
AQRLsQETEALGR	3	S368s	Q497A4	Nucleobindin 1	0	0	0	0	0	0	0	2.1E+08	4.6E+07	0	0	4.6E+07
KVPEQPPVLPQLDsQHL	2	S456s	Q497A4	Nucleobindin 1	5.8E+07	0	7.8E+07	1.6E+08	0	0	0	1.6E+09	9.9E+08	1.2E+09	1.3E+09	5.4E+08
LsQELDFVSHNVR	2	S85s	Q497A4	Nucleobindin 1	0	0	0	0	0	0	0	4.4E+08	8.5E+08	0	3E+08	3.3E+08
SGKLsQELDFVSHNVR	2	S85s	Q497A4	Nucleobindin 1	6E+07	8.2E+07	1.8E+08	3.3E+07	1.8E+08	0	0	1.5E+09	4.2E+09	2.2E+09	4.3E+09	2.8E+09
VPEQPPVLPQLDsQHL	2	S456s	Q497A4	Nucleobindin 1	0	0	0	0	0	0	0	1.4E+08	4E+08	5.2E+07	2.8E+08	0
AEALTSLHGDDQDsEDEVLTIPEVK	2	S2397s	Q63002	Mannose 6-phosphate/insulin-like growth factor II receptor	0	0	0	0	0	0	0	4.9E+09	1E+09	0	4.6E+09	7.1E+08
LVSFHDDsDEDLLHI	2	S2472s	Q63002	Mannose 6-phosphate/insulin-like growth factor II receptor	0	0	0	0	0	0	0	0	0	0	9.3E+07	0
NGAyKVEtEK	2	T648t Y644y	Q63002	Mannose 6-phosphate/insulin-like growth factor II receptor	0	0	0	0	0	0	0	4E+08	0	0	0	0
ESDDKPEIEDVGsDEEEEEK	3	S263s	Q66H55	Heat shock protein 90	0	0	4E+08	0	1.2E+08	7.1E+08	0	0	0	0	0	0
ESDDKPEIEDVGsDEEEEEKK	3	S263s	Q66H55	Heat shock protein 90	0	0	0	0	0	0	0	0	0	0	0	0
MEHIPESRPLsPTAFSLESLR	3	S635s	P21213	Histidine ammonia-lyase	1.8E+08	3E+09	7E+08	1.3E+09	1E+09	5.5E+08	0	0	0	0	0	0
MEHIPESRPLsPTAFSLESLRK	3	S635s	P21213	Histidine ammonia-lyase	0	6.7E+07	0	0	4.4E+07	0	0	0	0	0	0	0
DLGHPVEEEDEsGDQEDDDDELDDGDR	3	S940s	P41542	General vesicular transport factor p115	0	0	0	0	0	0	0	0	0	0	0	0
DLGHPVEEEDEsGDQEDDDDELDDGDRDQDI	3	S940s	P41542	General vesicular transport factor p115	0	0	4.7E+08	0	0	9.2E+08	0	3.7E+08	1.6E+08	0	1.1E+09	2.5E+08
LKDLGHPVEEEDEsGDQEDDDDELDDGDR	3	S940s	P41542	General vesicular transport factor p115	0	0	0	0	0	1.6E+08	0	0	0	0	0	0
KsEPDDELLFDFLNSSQK	3	S116s	Q3ZU82	Golgin subfamily A member 5	0	0	0	0	0	0	0	0	7.2E+07	0	0	0
sEPDDELLFDFLNSSQK	2	S116s	Q3ZU82	Golgin subfamily A member 5	0	0	0	0	0	0	0	5.5E+08	4.7E+08	0	4.1E+08	0
sEPDDELLFDFLNSSQKEPTGR	3	S116s	Q3ZU82	Golgin subfamily A member 5	0	0	0	0	0	0	0	5.2E+08	6.6E+08	0	3.1E+08	4.3E+08
VPFFYSEPVNVLNsLEINDAFDEPR	3	S2006s	Q7TMA5	Apolipoprotein B-100	0	0	0	0	0	0	0	0	3.8E+07	0	0	0
CRsLAHLAAPVQSK	3	S751s	Q62839	Golgin subfamily A member 2	0	0	0	0	0	0	0	0	0	3.4E+07	0	0
NVDRMsISSYR	2	S678s	P15083	Polymeric-immunoglobulin receptor precursor	0	0	0	0	0	0	0	1.7E+08	0	0	0	0
AREsPVHSICDELF	2	S352s	P19112	Fructose-1,6-bisphosphatase 1	2.7E+08	3E+07	1.7E+08	0	3.4E+08	3.2E+08	0	0	0	0	0	0
KLsDFGQETSYIEDNSNQNGAISLIFSLK	3	S16s	Q6AYW2	Phenylalanine hydroxylase	1.7E+09	8.1E+08	5E+08	2.7E+08	3.8E+08	2.5E+08	0	0	0	0	0	0
FSPLLYCQSQELPNGsVK	3	S348s	Q9JJ40	PDZ domain-containing protein 1	0	0	0	0	0	0	0	0	1.3E+08	0	0	0
LQVEAQELKQASLEttEK	3	T1711t T1712t	Q63714	Rat GCP360	0	0	0	3.9E+08	0	0	0	0	0	0	0	0
SDSStEESGQDVLENTFSQK	2	T500t	Q63714	Rat GCP360	0	0	0	0	0	0	0	0	0	1.8E+08	0	0
LHsFVGDDIFLR	2	S523s	P09811	Glycogen phosphorylase, liver form	3.8E+07	0	0	6.1E+07	7.8E+07	3.9E+07	0	0	0	0	0	0
SRtSVQTEDDQLIAGQSAR	3	T656t	Q5U302	Catenin	0	0	0	0	0	0	0	8.7E+07	6.4E+08	0	6.3E+08	0
TPEELDDsDFETEDFDVR	2	S643s	Q5U302	Catenin	0	1.2E+08	0	0	0	9.2E+08	0	3.3E+09	8.4E+08	0	1E+09	1.9E+08
TsVQTEDDQLIAGQSAR	2	S657s	Q5U302	Catenin	0	0	0	0	0	0	0	0	2.2E+08	5E+07	9.8E+07	2.2E+08
IDsFSVQSLDSR	2	S325s	Q9QYA5	TATA element modulatory factor	0	0	0	0	0	0	0	1.3E+08	0	5.8E+07	0	1.7E+07
SQRPEEEVKSSLQEPSsPGQSR	3	S137s	Q9QYA5	TATA element modulatory factor	0	0	0	0	0	0	0	0	0	0	0	0
sVSEINSDDELPGR	2	S335s	Q9QYA5	TATA element modulatory factor	0	0	0	0	0	0	0	0	0	0	0	0
VNTAEDVsPTSTQSLTTETK	2	S208s	Q9QYA5	TATA element modulatory factor	0	0	0	0	0	0	0	2E+08	1.2E+08	0	1.4E+08	6.8E+07
ADGGTGDNSPSPSsSLPSPLSDPR	3	S607s	Q496Z1	Bicaudal D protein	0	0	0	0	0	0	0	0	0	0	0	0
ALLFSNNsQELHPDPFQAEDPFK	3	S581s	Q4QQT7	epidermal growth factor receptor pathway substrate 15, related sequence,	0	0	0	2.8E+07	0	0	0	0	0	0	0	0
GtPIPDSSSALGSGEFTGVK	2	T366t	Q4QQT7	epidermal growth factor receptor pathway substrate 15, related sequence,	0	0	0	0	0	0	0	0	0	0	0	0
SLEQYDQVPDGVSGtSLPDLATLNEGILLAER	3	T572t	Q4QQT7	epidermal growth factor receptor pathway substrate 15, related sequence,	0	0	3.7E+08	0	0	0	0	0	0	0	0	0
STPSHGSVSSLNSTGSLsPK	3	S255s	Q4QQT7	epidermal growth factor receptor pathway substrate 15, related sequence,	8.7E+07	8.3E+07	1.7E+08	0	2E+08	0	0	0	0	0	0	0
TVFAGAVPVLPAsPPPKDSLR	3	S229s	Q4QQT7	epidermal growth factor receptor pathway substrate 15, related sequence,	0	5E+07	6.9E+07	4.5E+07	3.6E+07	0	0	0	0	0	0	0
IREDLPNLEsSEETEQINK	3	S759s	Q3TJ43	vacuolar protein sorting 35,	0	0	0	0	0	0	0	0	0	0	4.6E+08	0
REsPESEGPIYEGLIL	2	S783s	Q3TJ43	vacuolar protein sorting 35,	0	0	0	0	0	0	0	3.4E+08	0	0	3.8E+08	4.3E+08

GSASSDLEETEAELATAEAVR	2	S309s	Q5HZB2	Formyltetrahydrofolate dehydrogenase	3.5E+08	0	4.3E+08	0	0	0	0	0	0	0	0
KQsQSQDVLVLEEAK	2	S279s	Q63120	Canalicular multispecific organic anion transporter 1	0	0	0	0	0	0	0	2.7E+08	1.2E+08	0	4.2E+07	3.3E+07
QSQsQDVLVLEEAK	2	S281s	Q63120	Canalicular multispecific organic anion transporter 1	0	0	0	0	0	0	0	3.7E+08	3.7E+08	0	2.5E+08	2.8E+08
QSQsQDVLVLEEAKK	3	S281s	Q63120	Canalicular multispecific organic anion transporter 1	0	0	0	0	0	0	0	0	0	0	0	0
GFVPsATSKPEGHEsLVDR	3	S970s S980s	Q04462	Valyl-tRNA synthetase	0	0	0	0	0	0	0	0	0	0	5.8E+07	0
EFLEPDsWETLDQQQLFTEEELK	3	S332s	Q9JI85	Nucleobindin-2 precursor	0	0	0	0	0	0	0	0	0	0	0	0
sGRLSQELDLVSHK	3	S85s	Q9JI85	Nucleobindin-2 precursor	0	0	0	0	0	0	0	8.9E+08	1E+09	4.5E+08	3.9E+08	1.7E+09
ELEKPIQSKPQsPVIQATAGsPK	3	S218s S227s	Q7TSU1	Brefeldin A-inhibited guanine nucleotide-exchange factor 2	0	0	0	0	0	1.3E+08	0	0	0	0	3.9E+07	8.9E+07
HLDVDLDRQsLSSIDR	3	S1518s	Q7TSU1	Brefeldin A-inhibited guanine nucleotide-exchange factor 2	0	0	0	0	0	0	0	0	0	0	5.8E+07	0
QSLSsADNLEPDAQGHPVAAR	3	S356s	Q7TSU1	Brefeldin A-inhibited guanine nucleotide-exchange factor 2	0	0	0	0	0	1.9E+08	0	1E+08	1.8E+08	0	0	6.1E+07
NGILAIEGTGSDVDDDMsGDEKQDNESNVDPR	3	S1600s	P70398	Probable ubiquitin carboxyl-terminal hydrolase FAF-X	0	0	0	0	1.3E+08	0	0	0	0	0	0	0
RPYTGNPQYTYNNWsPPVQSNETSNGYFLER	4	S2443s	P70398	Probable ubiquitin carboxyl-terminal hydrolase FAF-X	0	0	1E+08	0	0	0	0	0	0	0	0	0
AGNEsPVQELR	2	S40s	Q9R037	WD repeat domain 44	0	9.3E+07	0	0	0	0	0	0	0	0	0	0
EGDVVNPASSDALStK	2	T192t	Q9R037	WD repeat domain 44	0	0	0	0	0	1.4E+08	0	0	0	0	0	0
EYVSNDAtQSDDEEKLQSQQTDTDGGR	3	T396t	Q9R037	WD repeat domain 44	0	8.3E+08	0	0	0	0	0	0	0	0	0	0
HLtPEPDIVASTK	2	T211t	Q9R037	WD repeat domain 44	0	0	1.4E+08	0	0	0	0	0	0	0	0	0
GSIILDSGHLsTASSSDDLKGEEGSFR	3	S98s	Q5SYN9	Myosin XVIIIa	0	0	0	0	0	0	0	0	0	0	0	0
NKLEGDsDVDSELEDR	2	S1966s	Q5SYN9	Myosin XVIIIa	0	3.6E+08	0	0	1.7E+08	0	0	0	0	0	0	0
RVSsSSELDLPPGDPCEAGLLQLDVSLLR	3	S1064s	Q5SYN9	Myosin XVIIIa	0	0	0	0	0	0	0	0	0	0	0	0
AENQRPVEDsALSPGPLAGAK	2	S299s	Q66HF9	Leucine-rich repeat flightless-interacting protein 1	4.1E+08	3.8E+08	4.8E+08	2.1E+08	6.2E+08	4.6E+08	0	0	0	0	0	0
DAsQIGGEEGLVPSQHPGQADEK	3	S675s	Q66HF9	Leucine-rich repeat flightless-interacting protein 1	0	3.7E+08	0	0	0	0	0	0	0	0	0	0
QNDAEEDSGPAEGPTDVLDQNSLQCADGDIsPVGR	3	S663s	Q66HF9	Leucine-rich repeat flightless-interacting protein 1	9E+08	0	0	6.8E+08	0	0	0	0	0	0	0	0
RGsGDTSISMDTEASIR	3	S88s	Q66HF9	Leucine-rich repeat flightless-interacting protein 1	7.1E+07	1.3E+08	0	0	0	0	0	0	0	0	0	0
ASPPHHASLGLSPtPPLSSPSLPGASTFPR	3	T956t	Q75N33	Protein transport protein Sec16B	0	7.4E+07	0	0	2.2E+08	0	0	0	0	0	0	0
HPALGENTVPQEAVQDPDGLAVISsPQTPLAPR	3	S853s	Q75N33	Protein transport protein Sec16B	0	0	9.2E+07	6.1E+07	0	0	0	0	0	0	0	0
SFsEDSAISAK	2	S866s	Q75N33	Protein transport protein Sec16B	0	0	0	0	1.7E+08	0	0	0	0	0	0	0
TGDLRDPDLtPSDIYGAR	3	T717t	Q75N33	Protein transport protein Sec16B	0	0	1.4E+08	0	0	0	0	0	0	0	0	0
APNtPDVLEIEFK	2	T219t	P09034	Argininosuccinate synthase	0	2.5E+08	8E+08	4.3E+08	0	7.2E+08	0	0	0	0	0	0
APNtPDVLEIEFKK	3	T219t	P09034	Argininosuccinate synthase	1.5E+08	0	1.3E+08	1.5E+08	0	0	0	0	0	0	0	0
TQDPAKAPNtPDVLEIEFK	3	T219t	P09034	Argininosuccinate synthase	0	0	9.4E+07	1.8E+08	0	0	0	0	0	0	0	0
KEDsDEDEDEEDEDDsDEDEDEEDEFEPPVVK	3	S144s S156s	P13383	Nucleolin	0	0	0	0	0	6.6E+08	0	0	0	0	0	0
LELQGPRGsPNAR	3	S565s	P13383	Nucleolin	0	0	1E+08	0	0	0	0	0	0	0	0	0
KsPNELVDDLFK	2	S114s	O35987	NSFL1 cofactor p47	0	0	0	0	0	0	0	0	0	0	0	0
LGSTAPQVLNTSsPAQQAENEAK	3	S272s	O35987	NSFL1 cofactor p47	0	0	1.4E+08	0	0	7.3E+07	0	0	0	0	0	0
RHsGQDVHVVLK	3	S176s	O35987	NSFL1 cofactor p47	0	8.8E+07	0	0	0	0	0	0	0	0	0	0
sPGETSKPRPFAGGGYR	3	S140s	O35987	NSFL1 cofactor p47	0	0	0	8.8E+07	0	0	0	0	0	0	0	0
sPNELVDDLFK	2	S114s	O35987	NSFL1 cofactor p47	0	1.7E+08	0	3.6E+08	2.4E+08	1.8E+08	0	0	0	0	0	0
VTsFRDLIHDQDEEEEEEEGQR	4	S74s	O35987	NSFL1 cofactor p47	0	0	0	0	8E+07	0	0	0	0	0	0	0
DGsPPPAFKPEPPK	2	S966s	Q3ZB99	Tight junction protein 2	0	1.6E+09	1.5E+09	7.9E+08	1.9E+09	1.2E+09	0	0	0	0	0	0
DQLRDGsPPPAFKPEPPK	3	S966s	Q3ZB99	Tight junction protein 2	0	0	0	0	7.6E+07	0	0	0	1.8E+08	0	0	0
GSyGSDPEEEEEYR	2	Y1130y	Q3ZB99	Tight junction protein 2	0	0	0	0	2.1E+08	0	0	0	0	0	0	0
KVQVAPLQGsPPLSHDDR	2	S107s	Q3ZB99	Tight junction protein 2	3.5E+08	4.4E+08	0	4.7E+08	7.1E+08	3.1E+08	0	0	2.6E+07	0	3.4E+07	1.2E+08
LISDFEDTDGEGGAyTDNELDEPAEEPLVSSITR	3	Y912y	Q3ZB99	Tight junction protein 2	0	0	1.3E+09	0	0	8.7E+08	0	0	0	0	0	0
QTLINIPSLNDSDsEVEDISEIESNR	3	S380s	Q3ZB99	Tight junction protein 2	0	1.2E+08	7.3E+08	0	0	0	0	0	0	0	0	0
VFLRPsPEDEAIYGPNTK	3	S479s	Q3ZB99	Tight junction protein 2	0	0	0	9.7E+07	0	0	0	0	0	0	0	0
VQVAPLQGsPPLSHDDR	3	S107s	Q3ZB99	Tight junction protein 2	0	0	1.8E+08	0	0	1.5E+08	0	0	0	0	0	4.3E+07
GHSTSTDDTSDPTsKEFEALIK	3	S899s	Q9JHW1	Carboxypeptidase D precursor	0	0	0	0	0	0	0	0	1.2E+08	0	0	0
SLLSHEFQDEtDtEEETLYSSK	3	T1366t T1368t	Q9JHW1	Carboxypeptidase D precursor	0	0	0	0	0	0	0	4.6E+08	8.5E+07	0	7.2E+07	1.3E+08
IPYtPGEIPK	2	T474t*	O70199	UDP-glucose 6-dehydrogenase	0	0	3.5E+08	0	0	2.6E+09	0	0	0	0	0	0
RIPYtPGEIPK	2	T474t*	O70199	UDP-glucose 6-dehydrogenase	8.7E+08	1.6E+09	1.2E+09	9.3E+08	1.5E+09	1.1E+09	0	0	3.2E+07	0	0	0
RVsGPDPKPGSNCSSAQSVLSEVSSVPTNGMAK	4	S13s	Q5U300	Ubiquitin-activating enzyme E1 1	0	6.4E+07	0	0	0	0	0	0	0	0	0	0
GsSKDLLDNQSQEEQR	2	S496s	Q6NZJ6	Eukaryotic translation initiation factor 4 gamma 1	0	0	0	0	2.2E+08	0	0	0	0	0	0	0
SFsKEVEER	2	S1189s	Q6NZJ6	Eukaryotic translation initiation factor 4 gamma 1	1.5E+08	0	0	0	2.6E+08	1.8E+08	0	0	0	0	0	0
HSSLPTEsDEDIAPAQR	2	S760s	O54774	AP-3 complex subunit delta-1	1.3E+09	2.6E+09	5.8E+08	1.1E+09	3.2E+09	6.4E+08	0	7.1E+08	5.7E+08	0	0	9.9E+08
RHSSLPTEsDEDIAPAQR	3	S760s	O54774	AP-3 complex subunit delta-1	0	0	4E+08	4.2E+08	0	3.9E+08	0	0	0	0	0	0
VDIITEEMPENALPsDEDDKDPNDPYR	3	S784s	O54774	AP-3 complex subunit delta-1	0	4.6E+08	0	0	3.2E+08	0	0	0	0	0	0	0
TsPADHGGSVGSESGGSAVDSVAGEHSVSGR	4	S2897s	Q2TL32	ZUBR1	0	6.6E+07	1.6E+08	0	0	0	0	0	0	0	0	0
IPLFsPDFNEK	2	S735s	Q8CGS5	Zinc phosphodiesterase ELAC protein 2	0	0	0	0	0	0	0	0	0	0	0	0
AKPAAQSEEETAAsPAASPTPQSAQEPSAPGK	3	S75s	Q4G061	Eukaryotic translation initiation factor 3 subunit 9	1.1E+09	1.8E+08	6.7E+08	9.9E+08	5.7E+08	4.1E+08	0	6.9E+08	2.4E+08	0	4.2E+08	3.1E+08
QQPVsESPPTDEAAGSGGSEVGR	2	S26s	Q4G061	Eukaryotic translation initiation factor 3 subunit 9	1.4E+08	4.1E+08	8.9E+07	0	3E+08	4.9E+08	0	6.5E+07	0	0	0	0
DGGsVVGASVFYK	2	S705s	Q58A65	C-jun-amino-terminal kinase-interacting protein 4	0	0	0	0	0	0	0	0	0	0	0	0
ERPISLGIFPLPAGDGLLtPDTQK	3	T217t	Q58A65	C-jun-amino-terminal kinase-interacting protein 4	0	1.4E+08	2.6E+08	5.8E+07	9.1E+07	0	0	0	0	0	0	0
SHTsLKDELSDISQGGSK	3	S102s	Q58A65	C-jun-amino-terminal kinase-interacting protein 4	8.9E+07	8.5E+07	2E+08	4.2E+08	1.1E+08	0	0	0	0	0	0	0
VsHSPEPLKAVEQEDELSDISQGGSK	3	S84s	Q58A65	C-jun-amino-terminal kinase-interacting protein 4	4.2E+08	0	0	0	0	0	0	0	0	0	0	0
AKPAMPQDSVPsPR	2	S480s	P16638	ATP-citrate synthase	0	3.8E+08	6E+07	1.1E+08	7.7E+08	0	0	0	0	0	0	0
DKKPsLEGVEETEGSGGQAAQEAPAR	3	S1428s	Q4W1H3	Myosin 9b	0	4.6E+08	7.3E+08	4.9E+08	6.4E+08	2.5E+08	0	0	0	0	0	0
LPELDPRGsDEENLDSETSASTESLLEER	3	S1982s	Q4W1H3	Myosin 9b	0	0	9.3E+08	0	0	8.8E+08	0	0	0	0	0	0
QVPIVGDPPRsPSPLQRPAsLDLDSR	3	S1250s S1259s	Q4W1H3	Myosin 9b	0	0	1.7E+08	0	0	0	0	0	0	0	0	0
SPsPLQRPASLDLDSR	3	S1252s	Q4W1H3	Myosin 9b	0	0	0	0	0	7.1E+07	0	0	0	0	0	0
VQDKPEsPSGSTQIQR	2	S1296s	Q4W1H3	Myosin 9b	0	0	0	0	0	0	0	0	0	0	0	0
VSPVLPSSSLEsPQDEDKGENSTK	3	S1277s	Q4W1H3	Myosin 9b	4.7E+08	4.2E+08	2.6E+08	2.4E+08	1.2E+09	2.6E+08	0	0	0	0	0	0
KIsGTTALQEALK	2	S347s	Q9JK25	CLIP-170	1.4E+08	1.4E+08	5.1E+08	0	1.4E+08	0	0	0	0	0	0	0
TASEsISNLSEAGSVK	2	S194s	Q9JK25	CLIP-170	7.1E+08	3.2E+08	3.2E+08	0	0	2.9E+08	0	0	0	0	0	0

ELEHNAEETYGENPDDKNNDVEEQGVPNR	3	T394t	Q5BJK8	Golgi integral membrane protein 4	0	0	0	0	0	0	0	0	0	3E+08	0	0
QQAHsDAVENDVAQGAEDQGIPEEEGGAYDR	4	S236s	Q5BJK8	Golgi integral membrane protein 4	0	0	0	0	0	0	0	0	0	0	2.6E+08	0
CSsPTPGPPPLPQK	2	S362s	Q497W6	Liprin-beta-2	3.2E+09	0	0	0	0	0	0	0	0	0	0	0
LRDTEGGWEDIVsSASSGTESSPQSPVTPDGK	3	S470s	Q497W6	Liprin-beta-2	0	0	1.1E+08	0	0	0	0	0	0	0	0	0
tLSINEDEIEGSFR	2	T326t	Q497W6	Liprin-beta-2	1.7E+08	0	0	0	0	0	0	0	0	0	0	0
tQSGNFNTDTPGMVEFR	2	T332t	Q497W6	Liprin-beta-2	3.8E+08	2.4E+08	6.3E+08	5.9E+08	1E+08	2.6E+07	0	0	0	0	0	0
AGDMLEDsPKRPK	3	S165s	Q8VHK7	Hepatoma-derived growth factor	0	0	0	7.8E+07	0	0	0	0	0	0	0	0
GNAEGSsDEEGKLVIDEPAK	2	S133s	Q8VHK7	Hepatoma-derived growth factor	0	2.4E+09	0	1.8E+09	4.6E+08	1.1E+09	0	0	0	0	0	0
NSTPSEPDsGQGPPPEEEEGEEEAAK	3	S206s	Q8VHK7	Hepatoma-derived growth factor	0	4.1E+08	0	0	5.6E+08	0	0	0	0	0	0	0
NStPSEPDSGQGPPPEEEEGEEEAAKEEAEAQGVR	3	T200t	Q8VHK7	Hepatoma-derived growth factor	0	5.7E+08	8.6E+08	0	2.8E+08	2.3E+08	0	0	0	0	0	0
ASSDLSIASSEEDKLsQNACILESVSER	3	S354s	O08815	STE20-like serine/threonine-protein kinase	0	0	0	0	0	0	0	0	0	0	0	0
ATTEEPETDEVDQVsESNSIEELER	3	S645s	O08815	STE20-like serine/threonine-protein kinase	0	0	0	0	0	6.1E+08	0	0	0	0	0	0
EVHDELEDLPsPPPPLSPPPTTSPHK	3	S201s	Q03555	Gephyrin	1.8E+08	7.9E+08	0	9.5E+08	0	3E+08	0	0	0	0	0	0
VKEVHDELEDLPSPPPPLsPPPTTSPHK	3	S207s	Q03555	Gephyrin	1E+08	3.9E+08	2.7E+08	0	8.9E+08	5.1E+08	0	0	0	0	0	0
FHDSsSPLLTSGTSVAELPWAVK	3	S107s	Q5JC29	Epidermal growth factor receptor pathway substrate 15 isoform B	0	2E+08	0	0	6.6E+07	0	0	0	0	0	0	0
LNDPFQPFPGNDsPKEK	3	S816s	Q5JC29	Epidermal growth factor receptor pathway substrate 15 isoform B	0	3.9E+07	0	0	0	0	0	0	0	0	0	0
NTIGSsPVADFSAIK	2	S324s	Q5JC29	Epidermal growth factor receptor pathway substrate 15 isoform B	0	0	0	0	0	0	0	0	0	0	0	0
SSPEIAPSDVTDESEVVTAADIEKVsPR	3	S586s	Q5JC29	Epidermal growth factor receptor pathway substrate 15 isoform B	2.8E+08	0	3E+08	4.9E+08	0	4.2E+08	0	0	0	0	0	0
SVPGQESSRsSYEGQPLPK	3	S802s	Q9Z2Q1	Protein transport protein Sec31A	0	0	0	0	0	0	0	0	1.8E+08	0	0	1.8E+08
VAQsDGEESPAEEGQLLGER	2	S526s	Q9Z2Q1	Protein transport protein Sec31A	0	0	0	6.8E+07	0	0	0	8.2E+08	0	0	0	0
yGSIVDDER	2	Y14y	Q3UQ44	Ras GTPase-activating-like protein IQGAP2 homolog	0	0	1E+09	0	1.6E+09	9E+08	0	0	0	0	0	0
LYCAQAEGGsEEPSPSGILK	2	S222s	P23562	Band 3 anion transport protein	0	0	0	0	0	0	0	0	9.9E+07	0	0	0
VLEIPDRDsEEELEHVIEQIAYR	3	S18s	P23562	Band 3 anion transport protein	0	0	0	0	0	0	0	9.8E+08	0	0	0	0
SRtASLTSAASIDGSR	2	T330t	Q8VBU2	Protein NDRG2	1.6E+08	9.6E+08	4.9E+08	6E+08	5.4E+08	0	0	0	0	0	0	3.9E+07
sRTLSQSSESGTLPSGPPGHTMEVSC	3	S346s	Q8VBU2	Protein NDRG2	0	0	0	1.4E+08	0	0	0	0	0	0	0	0
tASLTSAASIDGSR	2	T330t	Q8VBU2	Protein NDRG2	4.8E+08	1.1E+09	1.5E+09	2.9E+09	1.9E+08	4.1E+09	0	5.2E+08	3.9E+07	0	4.2E+08	1.1E+08
DGELPVEDDIDLsDVELDDLEKDEL	3	S428s	Q63081	Protein disulfide-isomerase A6 precursor	0	0	0	0	0	0	0	0	0	0	0	0
GASAATGVPLEsDEDSNDNDNDLENENCMHTN	3	S932s	Q9R085	Deubiquitinating enzyme Ubp109	0	7.3E+08	0	0	1.1E+08	0	0	0	0	0	0	0
sPGASNFSTLPK	2	S229s	Q9R085	Deubiquitinating enzyme Ubp109	0	3.3E+08	3E+08	1.5E+08	2.7E+08	0	0	0	0	0	0	0
QFLIPPKDEDsPK	3	S1073s	O70535	Leukemia inhibitory factor receptor precursor	0	0	0	0	0	0	0	0	0	0	0	0
StDSNSEVVSFGSPCSINSR	2	T1044t	O70535	Leukemia inhibitory factor receptor precursor	0	0	0	0	0	0	0	0	0	0	0	1.5E+07
EALVEPASEsPRPALAR	2	S276s	Q9JJ19	Ezrin-radixin-moesin-binding phosphoprotein 50	2.3E+09	1.9E+08	5.3E+07	6.8E+07	4.1E+09	3.4E+09	0	1.4E+09	1.3E+09	2.4E+08	1.3E+09	5.9E+08
ENsREALVEPASESPRPALAR	3	S265s	Q9JJ19	Ezrin-radixin-moesin-binding phosphoprotein 50	0	1.1E+08	0	0	0	0	0	0	0	0	0	0
RHDStEPSSTSSSSDPILDFNISLAVAK	3	T305t	Q9JJ19	Ezrin-radixin-moesin-binding phosphoprotein 50	0	0	0	0	0	0	0	0	0	0	0	0
SASsDTSEELNAQDSPK	2	S287s	Q9JJ19	Ezrin-radixin-moesin-binding phosphoprotein 50	3.7E+09	1.7E+09	4.1E+09	1.7E+09	2.1E+09	5.8E+08	0	1.8E+09	8.6E+08	1.1E+08	1.1E+09	8.8E+08
AsSPCQEFEQFQIIPTVETPYLAR	3	S1658s	Q70AM4	Kinesin 13B	0	0	0	0	0	0	0	0	0	0	0	0
EKtPSAETPSEPVDWTFAQR	3	T647t	Q70AM4	Kinesin 13B	0	0	0	0	0	0	0	0	0	0	0	0
LEVTsDSEDASEVPEWLR	2	S1629s	Q70AM4	Kinesin 13B	0	6.1E+08	3.9E+09	0	5.4E+08	2.6E+09	0	0	0	0	0	0
RsSGLQPQGAPEAR	3	S1718s	Q70AM4	Kinesin 13B	0	0	0	0	0	0	0	0	0	0	0	0
sGLSLEELR	2	S1054s	Q70AM4	Kinesin 13B	0	0	0	0	0	0	0	0	0	0	0	0
IPCVtPETVVIR	2	T862t	Q02357	Ankyrin-1	0	0	0	0	0	0	0	8.2E+07	9.1E+08	4.2E+07	0	5.9E+08
LGYIsVTDVLK	2	S777s	Q02357	Ankyrin-1	0	0	0	0	0	0	0	0	4E+07	0	0	0
RLGYISVtDVLK	2	T779t	Q02357	Ankyrin-1	0	0	0	0	0	0	0	0	2.7E+08	0	0	0
DsSQSSDVSLPDCKA	2	S358s	Q95571	MHC class I RT1.Au heavy chain precursor	0	0	0	0	0	0	0	7.8E+07	5.1E+07	0	3.5E+07	4.8E+07
GDYAPAPGRDsSQSSDVSLPDCK	3	S331s	Q95571	MHC class I RT1.Au heavy chain precursor	0	0	0	0	0	0	0	7.7E+07	7.5E+07	0	8.8E+07	4.6E+07
GGDYAPAPGRDSSQsSDVSLPDCK	3	S361s	Q95571	MHC class I RT1.Au heavy chain precursor	0	0	0	0	0	0	0	0	0	0	0	0
AELGMNDsPSQSPPVK	2	S263s	Q8BK97	acetyl-Coenzyme A synthetase 1	8.9E+07	7.5E+07	4.5E+08	0	2.7E+08	0	0	0	0	0	0	0
VRGWsPPPEVR	2	S30s	Q8BK97	acetyl-Coenzyme A synthetase 1	0	5E+08	3.8E+07	5.4E+08	4.4E+07	4E+08	0	0	0	0	0	0
ARsVDALDDINRPGSTESGR	3	S436s	Q9WU74	Lipolysis-stimulated lipoprotein receptor precursor	0	0	0	2.1E+08	1.8E+08	1.4E+08	0	3.3E+08	3.4E+08	8.1E+07	4.1E+08	0
sVDALDDINRPGSTESGR	2	S436s	Q9WU74	Lipolysis-stimulated lipoprotein receptor precursor	0	0	0	0	0	0	0	3.5E+08	7.3E+08	5.9E+07	0	3.7E+08
SVDALDDINRPGSTESGRSsPPSSGR	3	S455s	Q9WU74	Lipolysis-stimulated lipoprotein receptor precursor	1.4E+08	0	0	2.5E+08	3.3E+08	0	0	3.6E+08	5E+08	5.3E+08	4.4E+08	8.8E+08
IEsDAQEPAEPEDDLDIMLGNK	3	S105s	Q6P685	Eukaryotic translation initiation factor 2, subunit 2 beta, 38kDa	0	0	0	0	8.2E+07	0	0	0	0	0	0	0
IEsDAQEPAEPEDDLDIMLGNKK	3	S105s	Q6P685	Eukaryotic translation initiation factor 2, subunit 2 beta, 38kDa	0	3.2E+08	0	0	0	0	0	0	0	0	0	0
ASPASPVsPSDCPSPR	2	S1014s	P59808	SAM and SH3 domain-containing protein 1	0	0	0	3.6E+08	0	1.4E+07	0	0	0	0	0	0
RVsQDLDVEKPDASPTSLQLR	2	S83s	P59808	SAM and SH3 domain-containing protein 1	4.8E+07	0	8.1E+07	0	2.2E+08	1E+08	0	0	0	0	0	0
SHsLDDLQGDADVGK	2	S831s	P59808	SAM and SH3 domain-containing protein 1	0	0	3.9E+08	0	0	0	0	0	0	0	0	0
sLPVSICR	2	S805s	P59808	SAM and SH3 domain-containing protein 1	0	0	0	0	2.9E+08	0	0	0	0	0	0	0
tCSFGGFDLTNR	2	T398t	P59808	SAM and SH3 domain-containing protein 1	9.8E+07	2.3E+08	1.1E+08	7.4E+08	4.6E+08	1.1E+08	0	0	0	0	0	0
VsQDLDVEKPDASPTSLQLR	3	S83s	P59808	SAM and SH3 domain-containing protein 1	7.5E+07	0	0	0	3.2E+08	0	0	0	0	0	0	0
IEDsEPHIPLIDDTDAEDDAPTKR	3	S849s	P11505	Plasma membrane calcium-transporting ATPase 1	0	1.6E+08	0	0	0	0	0	0	0	0	0	0
RFsDFLGLYEK	2	S188s	Q99N27	Sorting nexin-1	0	1.5E+08	1.2E+08	0	0	0	0	0	0	0	0	0
SSEPtEDVETKEIEEGDTEPEEGSPLEEENEK	3	T238t	P19814	Trans-Golgi network integral membrane protein TGN38 precursor	0	0	0	0	0	0	0	1.6E+09	0	0	0	1.1E+09
TEsGEKLAGDSDFSLKPEK	2	S214s	P19814	Trans-Golgi network integral membrane protein TGN38 precursor	0	0	0	0	0	0	0	4.5E+08	1.1E+09	1.4E+08	0	6.9E+08
TSASVSsGVESATNLNLDDSK	3	S81s	P19814	Trans-Golgi network integral membrane protein TGN38 precursor	0	0	0	0	0	0	0	0	5.1E+07	0	0	0
VLGPsSSENQEGTLTDSMK	2	S270s	P19814	Trans-Golgi network integral membrane protein TGN38 precursor	0	0	0	0	0	0	0	2.3E+08	0	0	7.1E+08	0
NHEELKVDEEtQEVLGNLR	3	T213t	Q5PQW3	Stromal cell derived factor 4	0	0	0	0	0	0	0	1.9E+09	0	4.4E+08	1.1E+09	0
QVLLGPYNPDTsPEVGFFDVLGNDR	3	S126s	Q5XI18	Acyl-Coenzyme A binding domain containing 3	0	0	0	0	0	0	0	0	0	0	5.9E+07	0
IQQFDDGGsDEEDIWEEK	3	S588s	Q922D4	SAPS domain family member 3	0	0	0	0	0	0	0	0	0	0	0	0
EDEIsPPPPNPVVK	2	S82s*	P09456	cAMP-dependent protein kinase type I-alpha regulatory subunit	0	0	2.1E+08	2.3E+09	0	2.5E+08	0	0	0	0	0	2.3E+08
TDSREDEIsPPPPNPVVK	2	S82s*	P09456	cAMP-dependent protein kinase type I-alpha regulatory subunit	2.6E+09	2.2E+09	1.8E+09	5.7E+09	3.5E+09	1.9E+09	0	2.2E+08	5.5E+08	3.1E+08	3.6E+09	2.6E+09
NSGSFSSPSIsPR	2	S344s	Q6XUU5	Microtubule-associated tumor suppressor 1 homolog	0	0	0	3.6E+08	0	0	0	0	0	3.1E+07	0	0
QLStEQAALQESLEK	2	T280t	Q6XUU5	Microtubule-associated tumor suppressor 1 homolog	0	0	0	0	0	0	0	1.7E+08	5.4E+08	1.9E+07	0	0
TLsQELVSLR	2	S30s	Q6XUU5	Microtubule-associated tumor suppressor 1 homolog	0	0	0	0	0	0	0	0	2.3E+08	0	0	1.6E+08

SNSPLPSIQLQPQsPSASK	3	S962s	Q8CFX3	Protocadherin 1	0	0	0	0	0	0	0	0	0	0	0	0
SNSPLPSIQLQPQsPSASKK	3	S962s	Q8CFX3	Protocadherin 1	0	0	0	0	0	0	0	0	0	0	0	0
QSCSQPGAsPDVSHFER	3	S807s	Q7TQ89	Ac1055	0	0	0	0	0	0	0	1.5E+08	8.3E+07	2.6E+07	1E+08	8.2E+07
SESTQPLLDSEERPEDLQLVDSVDsGDEILPR	3	S786s	Q7TQ89	Ac1055	0	0	0	0	0	0	0	1.5E+09	1.7E+08	0	6.6E+08	4.2E+08
ILDNLSMVIKPGETTALVGSsGAGK	2	S457s	O70127	Bile salt export pump	0	0	1.8E+08	0	0	0	0	0	0	0	0	0
SQLsLLTHDPPLAVADHK	3	S706s	O70127	Bile salt export pump	0	0	0	0	0	0	0	0	0	0	0	3.4E+07
IIYGGsVTGATCK	2	S211s	Q6P793	Triosephosphate isomerase	6.9E+07	0	2.3E+07	0	3.6E+07	0	0	0	0	0	0	0
sLEDQVETLR	2	S168s	O08795	Glucosidase 2 subunit beta precursor	0	0	0	0	0	0	0	4.1E+08	0	6.4E+07	2.5E+08	0
AFPDKFHLEPtSPPTTDGFK	3	T626t	Q99MF8	Glycogen synthase	0	0	0	0	6E+07	3.8E+07	0	0	0	0	0	0
AFPDKFYLEPTsPPTTDGFK	3	S626s	Q99MF8	Glycogen synthase	0	0	0	6.1E+07	8.1E+07	3.3E+07	0	0	0	0	0	0
FYLEPtSPPTTDGFK	2	T625t	Q99MF8	Glycogen synthase	0	0	0	0	6.2E+07	0	0	0	0	0	0	0
sLSVTSLGGLPAWEAER	2	S6s	Q99MF8	Glycogen synthase	8.6E+07	0	0	2.1E+08	2.3E+08	1.2E+08	0	0	0	0	0	0
SNSVDTGPSSSLSTPTEPLsPTSSLGEER	3	S727s	Q99MF8	Glycogen synthase	0	2.3E+08	2E+08	0	0	1.4E+08	0	0	0	0	0	0
SNSVDTGPSSSLSTPTEPLsPTSSLGEERN	3	S727s	Q99MF8	Glycogen synthase	0	2.9E+08	7.2E+08	0	1.1E+08	3.1E+08	0	0	0	0	0	0
HYEDGYPGGSDNYGsLSR	3	S230s	Q80XQ4	Catenin delta-1	0	0	0	0	0	0	0	0	0	8.5E+07	0	2.3E+08
SQSSHsYDDSTLPLIDR	2	S864s	Q80XQ4	Catenin delta-1	0	0	0	0	0	0	0	6.4E+08	4.6E+07	1.1E+08	6.7E+07	3.4E+08
TLDRsGDLGDMEPLK	3	S920s	Q80XQ4	Catenin delta-1	0	0	0	0	0	0	0	1.2E+08	0	0	0	0
AAVVTsPPPTTAPHK	3	S12s	Q3B7D4	Adducin 1	0	1E+08	0	0	0	0	0	5.5E+07	0	0	0	0
EKSPPDQSAVPNtPPSTPVK	3	T610t	Q3B7D4	Adducin 1	0	3.3E+08	0	5.1E+07	4.8E+08	0	0	0	3.3E+08	0	0	0
SPPDQSAVPNtPPSTPVK	2	T610t	Q3B7D4	Adducin 1	0	0	1.2E+09	0	0	6.2E+07	0	0	0	0	0	0
SPPDQSAVPNtPPSTPVKLEGGLPQEPTSR	3	T610t	Q3B7D4	Adducin 1	0	0	0	3.4E+08	0	0	0	0	0	0	0	0
GNKsPSPPPDGSPAATPEIR	2	S265s	Q5HZA7	Bin1 protein	0	0	0	0	2.8E+08	0	0	0	0	0	0	0
SPsPPPDGSPAATPEIR	2	S267s	Q5HZA7	Bin1 protein	2E+09	0	2.9E+09	5.6E+09	4.4E+09	2.6E+09	0	0	0	0	0	0
SPSQSSLPAVVVEtFSATVNGAVEGSTTTGR	3	T314t	Q5HZA7	Bin1 protein	0	1.2E+08	8.6E+07	6.5E+07	0	0	0	0	0	0	0	0
VNHEPEPASGAsPGATIPK	2	S293s	Q5HZA7	Bin1 protein	2.3E+08	3.4E+08	1E+08	9.8E+07	3.6E+08	2.3E+08	0	0	0	0	0	0
HsPLGVPGAGDGTEDPSLTALR	3	S520s	Q4KM62	Palmdelphin	6.1E+07	8.8E+07	0	1.6E+08	0	0	0	0	0	0	0	0
LGSPARHsPLGVPGAGDGTEDPSLTALR	3	S520s	Q4KM62	Palmdelphin	0	0	0	7E+07	0	0	0	0	0	0	0	0
sGPQCSSPICQEEADVR	2	S380s	Q4KM62	Palmdelphin	0	0	6.9E+08	0	0	0	0	0	0	0	0	0
AGVLtPPDLGPHPPPPAPR	3	T672t	Q3UH79	capicua homolog	0	2.2E+08	4.7E+07	5.7E+07	0	0	0	0	0	0	0	0
AQsVSPVQATPSGGSAQLLPGK	3	S1807s	Q3UH79	capicua homolog	0	0	0	0	0	0	0	0	0	0	0	0
FAELPEFRPEEVLPSPTLQSLAtSPR	3	T2283t	Q3UH79	capicua homolog	4.3E+07	7.8E+07	0	7.3E+07	5.9E+07	1.3E+08	0	0	0	0	0	0
KNSTDLDSAPEDPtSPK	2	T2310t	Q3UH79	capicua homolog	0	1.7E+08	1.2E+08	1.7E+08	1.5E+08	1.4E+08	0	0	0	0	0	0
KVFsPVIR	2	S1403s	Q3UH79	capicua homolog	0	0	0	0	0	0	0	0	0	0	0	0
NSTDLDSAPEDPTsPKR	3	S2311s	Q3UH79	capicua homolog	0	7E+07	0	6.4E+07	0	0	0	0	0	0	0	0
sQDLGVQFPGDR	2	S225s	Q3UH79	capicua homolog	3.4E+07	0	3E+07	0	0	0	0	0	0	0	0	0
sSPPPPLPAEERPGTK	2	S1240s	Q3UH79	capicua homolog	5.8E+08	1.3E+09	1.4E+09	5.9E+08	8E+08	4.8E+07	0	0	0	0	0	0
VFsPVIR	2	S1403s	Q3UH79	capicua homolog	0	0	0	0	0	0	0	0	0	0	0	0
QIsEDVDGPDNHESPENWEIVR	3	S306s	Q62940	E3 ubiquitin-protein ligase NEDD4	0	0	0	0	0	0	0	0	0	0	0	0
SLSsPTVTLSAPLEGAK	2	S370s	Q62940	E3 ubiquitin-protein ligase NEDD4	0	1.4E+09	2.3E+09	5.4E+08	0	2.8E+08	0	0	0	6E+07	0	0
SGTPVHCPsPIR	2	S294s	Q5U2U8	Bcl2-associated athanogene 3	0	1.9E+08	0	0	0	0	0	0	0	0	0	0
sQSPAASDCSSSSSSASLGSSGR	2	S174s	Q5U2U8	Bcl2-associated athanogene 3	0	3.6E+08	4.3E+07	7.1E+07	0	0	0	0	0	0	0	0
SQSPAAsDCSSSSSSASLPSSGR	2	S180s	Q5U2U8	Bcl2-associated athanogene 3	2.5E+08	0	2.1E+08	0	2.6E+08	0	0	0	0	0	0	0
VSSAPIPCPSPGPAPSAVPSsPK	3	S388s	Q5U2U8	Bcl2-associated athanogene 3	0	0	0	0	0	0	0	0	0	0	0	0
AQEPPsPPTMENGTR	2	S10s	Q5U4E4	TRM1 tRNA methyltransferase 1 homolog	0	6.6E+07	0	0	8.1E+07	0	0	0	0	0	0	0
IAVDLSDQEEEtAGQNENLAPGDQPR	2	T102t*	Q5U4E4	TRM1 tRNA methyltransferase 1 homolog	1.2E+09	8.2E+08	1.4E+08	1.4E+08	8E+08	0	0	0	0	0	0	0
KAQEPPsPPTMENGTR	3	S10s	Q5U4E4	TRM1 tRNA methyltransferase 1 homolog	0	0	7.5E+08	0	0	0	0	0	0	0	0	0
EGEEPTVYsDDEEPKDEAAR	2	S180s	P70580	Membrane-associated progesterone receptor component 1	0	0	0	0	0	0	0	9.5E+08	1E+09	0	2.6E+09	8E+08
LLKPGEEPSEYtDEEDTK	3	T205t	P70580	Membrane-associated progesterone receptor component 1	0	0	0	0	0	0	0	6.5E+08	1.1E+09	0	0	0
LLKPGEEPSEYTDEEDtKDHSK	4	T210t	P70580	Membrane-associated progesterone receptor component 1	0	0	0	0	0	0	0	0	0	4.7E+07	0	0
HEAPSsPLAGQPCGDDQNASPSK	3	S159s	Q5PRE9	Ncor1 protein	1.7E+08	1.3E+08	0	0	2.1E+08	2.2E+08	0	0	0	0	0	0
KQQQLEEEAAKPPEPEKPVsPPPVEQK	4	S225s	Q5PRE9	Ncor1 protein	0	1.4E+08	2.5E+08	0	3.3E+08	0	0	0	0	0	0	0
NQVPSQPSTSTFQTsPSALSSTPVR	3	S2032s	Q5PRE9	Ncor1 protein	0	6E+07	0	0	1E+08	0	0	0	0	0	0	0
QQQLEEEAAKPPEPEKPVsPPPVEQK	4	S225s	Q5PRE9	Ncor1 protein	0	1.1E+08	0	0	0	0	0	0	0	0	0	0
SDSRSPGsISYLPSFFTK	3	S2135s	Q5PRE9	Ncor1 protein	2.2E+08	0	0	5.2E+07	0	0	0	0	0	0	0	0
SHIPSEPYEPIsPPQGPAVHEK	3	S2099s	Q5PRE9	Ncor1 protein	1.4E+08	8.3E+08	1.3E+08	7.8E+07	0	2.6E+08	0	0	0	0	0	0
sPGSISYLPSFFTK	2	S2132s	Q5PRE9	Ncor1 protein	0	2E+07	9.5E+07	0	2.9E+07	0	0	0	0	0	0	0
DSVINLsESVEDGPR	2	S80s	P27046	Alpha-mannosidase 2	0	0	0	0	0	0	0	0	0	0	1.1E+09	0
GGNNRGsPGALSSDSELPENPYSQVK	3	S84s	P59242	Cingulin	4.8E+07	2.7E+08	2E+08	2.7E+08	3.6E+08	1.5E+08	0	0	0	0	0	0
GsPGALSSDSELPENPYSQVK	3	S84s	P59242	Cingulin	0	0	0	0	0	4.9E+08	0	0	0	0	0	0
GATPAEDDEDNDIDLFGsDEEEEDK	3	S531s	Q68FR9	Eukaryotic translation elongation factor 1 delta	0	0	0	0	0	0	0	0	0	0	0	0
GATPAEDDEDNDIDLFGsDEEEEDKEAAR	3	S531s	Q68FR9	Eukaryotic translation elongation factor 1 delta	0	0	6.8E+07	0	0	1.5E+08	0	0	0	0	0	0
LLDSLEPPGEPGPsTSIPENDTVDGR	3	S132s	Q6AYR1	Trk-fused gene	0	3.1E+08	0	0	0	0	0	0	0	0	0	0
LLDSLEPPGEPGPSTSIPENDtVDGREEKPAASDSSGK	4	T140t	Q6AYR1	Trk-fused gene	0	0	0	0	0	6.2E+08	0	0	0	0	0	0
NVMSAFGLTDDQVSGPPsAPTEDR	3	S198s	Q6AYR1	Trk-fused gene	1.6E+08	5.3E+08	0	3.6E+08	0	0	0	0	0	0	0	0
TDWSSGDASRPSSDSADsPK	3	S309s	Q5BMA6	Leukemia-associated Rho guanine nucleotide exchange factor	0	0	0	0	0	8.1E+07	0	0	0	0	0	0
TEGVQDADTQSLVGsPSTR	3	S341s	Q5BMA6	Leukemia-associated Rho guanine nucleotide exchange factor	0	0	0	0	0	0	0	0	0	0	0	0
VCLEDTPERTEGVQDADTQSLVGsPSTR	3	S341s	Q5BMA6	Leukemia-associated Rho guanine nucleotide exchange factor	0	0	0	0	0	0	0	0	0	0	0	0
VEHHDLSVAGLQsPDR	3	S1176s	Q5BMA6	Leukemia-associated Rho guanine nucleotide exchange factor	0	0	0	0	0	0	0	0	0	0	0	0
YRPAsEEAQADSGIPDLESVK	3	S1290s	Q5BMA6	Leukemia-associated Rho guanine nucleotide exchange factor	3E+08	0	0	4.7E+08	0	0	0	0	0	0	0	0
EPTSASESENIAAIPSPVtSPVLSR	3	T709t	Q3ZAU5	DDHD domain containing 1	5.4E+07	9.1E+08	6E+08	9E+08	1.3E+09	6.7E+08	0	0	0	0	0	0
YYsEGESAGGGSSSSPPPPLVAPNSGGGGAAGGGPGDF	3	S95s	Q3ZAU5	DDHD domain containing 1	1E+08	2.9E+08	9.9E+08	3.4E+08	1.2E+09	4.8E+08	0	0	0	0	0	0
YYSEGESAGGGSSSsPPPPLVAPNSGGGGAAGGGPGDF	4	S107s	Q3ZAU5	DDHD domain containing 1	0	2.7E+08	0	0	0	0	0	0	0	0	0	0
ELVEPLtPSGEAPNQAHLR	2	T694t	Q9QX70	Epidermal growth factor receptor	0	0	0	0	0	0	0	6.3E+07	0	1.5E+08	1.9E+08	5E+08

RTsMGGTQQQFVEGVR	3	S552s	Q02248	Beta-catenin	0	0	0	0	0	0	0	2.3E+08	0	0	2.9E+08	0
AHsSPASLQLGAGTLTASGVVSGPAATPAAQHLR	3	S112s	Q2EJA0	Yes-associated protein	0	2.3E+08	1.4E+08	0	1.9E+08	0	0	0	0	0	0	0
GDsETDLEALFNAVMNPK	3	S46s	Q2EJA0	Yes-associated protein	0	8E+08	0	0	0	0	0	0	0	0	0	0
QAStDAGTAGALTPQHVR	2	T95t	Q2EJA0	Yes-associated protein	4.8E+09	8.2E+08	1.2E+09	3.7E+09	3.3E+09	4.5E+09	0	3.3E+08	5E+08	8.8E+07	2.6E+08	0
QsSFEIPDDVPLPAGWEMAK	2	S145s	Q2EJA0	Yes-associated protein	0	0	1.4E+09	0	0	0	0	0	0	0	0	0
sHSRQAStDAGTAGALTPQHVR	3	T95t S88s	Q2EJA0	Yes-associated protein	2.3E+07	0	0	0	0	0	0	0	0	0	0	0
TMtTNSSDPFLNSGTYHSR	2	T344t	Q2EJA0	Yes-associated protein	0	7E+07	7E+07	0	0	0	0	0	0	0	0	0
QPLLLsEDEEDTKR	3	S39s	Q8R1B4	Eukaryotic translation initiation factor 3, subunit 8	0	0	0	0	0	0	0	4.5E+08	0	0	0	0
AAsLNYLNQPNAAPLQTSR	2	S590s	Q5PQM2	Kinesin-like 8	0	2.7E+07	3E+07	0	0	0	0	0	0	0	0	0
DEPAGHRLsQEEILGSTR	3	S18s	Q5PQM2	Kinesin-like 8	0	0	0	0	0	0	0	0	0	0	0	0
VSsPTVNTTLR	2	S460s	Q5PQM2	Kinesin-like 8	0	0	0	0	0	0	0	0	0	0	0	0
VNFPENGFLsPDKLSLLEK	3	S335s	P63036	DnaJ homolog subfamily A member 1	0	8.5E+07	0	8.7E+07	0	0	0	0	0	0	0	0
IVKsESGYGFNVR	2	S47s	Q3UHD6	sorting nexin family member 27,	0	0	0	0	0	0	0	0	3.3E+07	0	0	3.8E+07
NRtPAAVQELVLDNCK	2	T15t	P49911	Acidic leucine-rich nuclear phosphoprotein 32 family member A	9.1E+08	1.4E+09	2.1E+08	1.7E+09	0	2.3E+08	0	0	0	0	0	0
TPsDVKELVLDNCR	3	S17s	P49911	Acidic leucine-rich nuclear phosphoprotein 32 family member A	2.2E+08	0	1.2E+08	0	0	0	0	0	0	0	0	0
SLsNVGDPEIIK	2	S93s	P47245	Nardilysin precursor	0	3.9E+07	7.4E+07	0	0	0	0	0	0	0	0	0
SGVAVPtSPK	2	T93t	Q9JID1	Programmed cell death protein 4	0	5.2E+08	0	0	0	0	0	0	0	0	0	0
IALNLEECALsPISQEPR	3	S403s	Q3MID9	Ogfr protein	1.3E+08	7.2E+07	2.2E+08	0	0	0	0	0	0	0	0	0
SPVEDPDsDTMGTSVDESEELAR	2	S546s	Q3MID9	Ogfr protein	0	3.4E+08	0	0	0	0	0	0	0	0	0	0
EVSSRPStPGLSVVSGISATSEDIPNK	3	T741t	Q6PAR5	GTPase activating protein and VPS9 domains 1	0	0	0	0	0	0	0	0	0	0	0	0
EVSSRPsTPGLSVVSGISATSEDIPNKIEDLR	4	S740s	Q6PAR5	GTPase activating protein and VPS9 domains 1	5.1E+07	0	0	8.2E+07	0	0	0	0	0	0	0	0
RPGNEELPPAAATGATSLVAAPHSSSSSPSKDsSR	4	S932s	Q6PAR5	GTPase activating protein and VPS9 domains 1	0	0	1.2E+08	0	1.1E+08	0	0	0	0	0	0	0
SsSLDMTPYSTPQMSPATTPANKK	3	S453s	Q6PAR5	GTPase activating protein and VPS9 domains 1	0	2.2E+08	0	4.5E+07	0	0	0	0	0	0	0	0
GAAAADLLSsSPESQHGGTQPPGGGQPLLQPTK	3	S985s	O88902	Tyrosine-protein phosphatase non-receptor type 23	2E+08	2.5E+08	2.1E+08	1E+08	0	1.8E+07	0	0	0	0	0	0
MPPLIADsPK	2	S377s	Q09137	5'-AMP-activated protein kinase catalytic subunit alpha-2	0	8.2E+08	0	7.6E+08	4E+08	5.6E+08	0	0	0	0	0	0
sSVDSSTAENHSLSGSLTGSLTGSTLSSASPR	3	S500s	Q09137	5'-AMP-activated protein kinase catalytic subunit alpha-2	0	3.4E+08	0	1.8E+08	0	0	0	0	0	0	0	0
KQtPPASPsPQPAEDRPPSSPIYEDAAPLK	3	T364t S370s	Q66HL2	Cortactin isoform B	4.7E+08	1.3E+09	6E+08	3.1E+08	0	0	0	9.3E+07	2.6E+08	0	0	0
QTPPASPSPQPAEDRPPsSPIYEDAAPLK	3	S380s	Q66HL2	Cortactin isoform B	0	0	0	4.3E+08	7.5E+07	0	0	0	0	0	0	0
HAFSPVASVEsASGEVLHSPK	3	S316s	P24090	Alpha-2-HS-glycoprotein precursor	0	0	0	0	0	0	0	0	5.4E+07	3.9E+07	0	8.7E+07
VLHAQCHSTPDsAEDVR	2	S138s	P24090	Alpha-2-HS-glycoprotein precursor	0	5.1E+08	4.6E+08	6.5E+08	3E+08	6.3E+08	0	5.5E+08	3.1E+08	2.6E+08	1.5E+08	2.8E+08
VLHAQCHSTPDsAEDVRK	3	S138s	P24090	Alpha-2-HS-glycoprotein precursor	0	0	6.8E+07	0	0	0	0	0	0	0	0	0
SAsDINLKGDQPAASPGPTLR	3	S375s	Q4ACU6	Shank3	0	0	0	0	0	0	0	4.9E+07	5.1E+08	9.2E+07	0	5.4E+08
ENVEYIEREEsDGEYDEFGR	2	S120s	O35986	Zinc finger Ran-binding domain-containing protein 2	0	0	0	0	0	2E+08	0	0	0	0	0	0
EVEDKEsEGEEEDEDEDLSK	3	S153s	O35986	Zinc finger Ran-binding domain-containing protein 2	0	0	0	0	0	0	0	0	0	0	0	0
KPVLPALTINPTIAEGPsPTSEGASEAHLVDLQK	4	S23s	P36506	Dual specificity mitogen-activated protein kinase kinase 2	0	1.3E+08	1E+08	0	0	0	0	0	0	0	0	0
LCDFGVSGQLIDSMANsFVGTR	3	S226s	P36506	Dual specificity mitogen-activated protein kinase kinase 2	0	4.5E+07	0	0	0	0	0	0	0	0	0	0
RKPVLPALTINPTIAEGPSPTSEGAsEAHLVDLQK	4	S30s	P36506	Dual specificity mitogen-activated protein kinase kinase 2	0	0	0	0	0	5.7E+07	0	0	0	0	0	0
RSDAEEVDFAGWLCSTIGLNQPSTPTHAAsI	3	S391s	P36506	Dual specificity mitogen-activated protein kinase kinase 2	0	0	0	0	0	0	0	0	0	0	0	0
ATVEDQERDPsPVAGPALPPNYR	3	S28s	Q4V893	Hypothetical protein RGD1307254	1.4E+08	9E+07	1.6E+08	6E+08	0	9.3E+07	0	0	0	0	0	0
ENPGQVSPFFNSEEAEsGEDEDIVGPMPAK	3	S148s	Q4V893	Hypothetical protein RGD1307254	0	0	0	0	0	5.4E+08	0	0	0	0	0	0
GRENPGQVSPFFNSEEAEsGEDEDIVGPMPAK	3	S148s	Q4V893	Hypothetical protein RGD1307254	0	2.6E+08	0	0	0	0	0	0	0	0	0	0
KQDDsPPRPIIGPALPPGFIK	3	S106s	Q4V893	Hypothetical protein RGD1307254	0	5.1E+07	1E+08	0	3.8E+07	0	0	0	0	0	0	0
QDDsPPRPIIGPALPPGFIK	3	S106s	Q4V893	Hypothetical protein RGD1307254	5E+07	0	4.6E+07	0	8.9E+07	0	0	0	0	0	0	0
QDDsPPRPIIGPALPPGFIKsPQK	4	S106s S123s	Q4V893	Hypothetical protein RGD1307254	0	0	0	0	0	0	0	0	0	0	0	0
LEDINEsPKPLGFTR	3	S472s	P11711	Cytochrome P450 2A1	0	0	0	0	0	0	0	0	2.9E+07	0	4.4E+07	0
ANsQDKIEFHNEVDGAK	3	S1191s	P04157	Receptor-type tyrosine-protein phosphatase C	0	0	0	0	0	0	0	0	2.8E+08	0	2.9E+08	0
NRSsNVVPYDFNR	2	S926s	P04157	Receptor-type tyrosine-protein phosphatase C	0	0	0	0	0	0	0	0	0	8E+07	0	0
sSNVVPYDFNR	2	S925s	P04157	Receptor-type tyrosine-protein phosphatase C	0	0	0	0	0	0	0	5E+08	1E+08	0	1.4E+08	2E+08
KLEEALsTEGAEENGNSDK	2	S524s	Q8K3W9	Protein phosphatase PP2C gamma	0	2.1E+08	5E+08	0	0	0	0	0	0	0	0	0
AVPVsPSAVEEDEDEDGHTVVATAR	3	S1614s	P39447	Tight junction protein ZO-1	1.1E+09	0	0	7.1E+07	0	0	0	0	0	0	0	0
AGEEEHVySFPNK	2	Y118y	Q1EG89	Myocardial ischemic preconditioning associated protein 7	8.4E+07	4.6E+08	5.7E+08	6.2E+08	4.9E+08	4.8E+08	0	0	0	0	0	0
SAEPSPtVMSSSLGSNLSELDR	3	T132t	Q1EG89	Myocardial ischemic preconditioning associated protein 7	0	2.5E+07	0	0	0	0	0	0	0	0	0	0
SPSGFSADEAEsSPPLPGALSPLYGVPESNNLLGGK	4	S169s	Q1EG89	Myocardial ischemic preconditioning associated protein 7	0	0	0	1.2E+08	0	0	0	0	0	0	0	0
TGSsSPPGGLSKPGSQLDSMLGSLQSDLNK	3	S287s	Q1EG89	Myocardial ischemic preconditioning associated protein 7	0	0	0	7.8E+07	2.5E+08	0	0	0	0	0	0	0
YAHQQPPsPSPIYSSSTK	3	S83s	Q1EG89	Myocardial ischemic preconditioning associated protein 7	1.3E+08	7.7E+08	2.8E+08	9.6E+07	2.5E+08	0	0	0	0	0	0	0
sESLIDASEDSQLEAAIR	2	S278s	Q3UGV7	UBX domain-containing protein 7	0	0	4.9E+08	0	4.5E+08	0	0	0	0	0	0	0
AGsPQLDDIR	2	S539s	Q64350	Translation initiation factor eIF-2B subunit epsilon	0	1.5E+08	5.2E+08	1.7E+08	0	7.7E+08	0	0	0	0	0	0
AGsPQLDDIRVFQNEVLGTLQR	3	S539s	Q64350	Translation initiation factor eIF-2B subunit epsilon	4E+07	0	0	0	0	0	0	0	0	0	0	0
GGGSGGGGtQGAEEEPPPPLQAVLVADSFDR	3	T27t	Q64350	Translation initiation factor eIF-2B subunit epsilon	0	0	0	0	0	0	0	0	0	0	0	0
sSSESYTQSFQSR	2	S459s	Q99M64	55 kDa type II phosphatidylinositol 4-kinase	0	0	0	0	0	0	0	0	0	0	0	0
VAAAGSGPsPPCSPGHDR	3	S46s	Q99M64	55 kDa type II phosphatidylinositol 4-kinase	0	0	0	0	0	0	0	2.7E+07	0	0	0	6.3E+07
VAAAGSGPsPPCsPGHDRER	3	S46s S50s	Q99M64	55 kDa type II phosphatidylinositol 4-kinase	0	0	0	0	0	0	0	3.1E+07	0	0	0	0
RSSDsWDIWGSGSASNNK	3	S372s	Q3S4A4	ADP-ribosylation factor GTPase activating protein 1 heart isoform	0	4E+07	0	0	0	0	0	0	0	0	0	0
SsDSWDIWGSGSASNNK	2	S370s	Q3S4A4	ADP-ribosylation factor GTPase activating protein 1 heart isoform	0	0	6.7E+08	0	0	9.8E+08	0	0	0	0	0	0
AGSPLCNSNLQDsEEDVEPPSYHLFR	3	S985s	P81128	Glucocorticoid receptor DNA-binding factor 1	3.7E+08	0	4.1E+08	0	6.8E+08	0	0	0	0	0	0	0
NEEENIySVPHDSTQGK	3	Y1105y	P81128	Glucocorticoid receptor DNA-binding factor 1	3.6E+08	0	3.5E+08	0	0	0	0	0	0	0	0	0
NLNLVsSTASIKDLADVDLR	3	S769s	P81128	Glucocorticoid receptor DNA-binding factor 1	0	3E+07	5.8E+07	0	0	0	0	0	0	0	0	0
NQKNsLSDPNIDR	3	S589s	P81128	Glucocorticoid receptor DNA-binding factor 1	0	0	0	0	0	0	0	0	0	0	0	0
NsLSDPNIDR	2	S589s	P81128	Glucocorticoid receptor DNA-binding factor 1	0	0	0	0	0	0	0	0	0	0	0	0
TSFSVGsDDELGPIR	2	S1179s	P81128	Glucocorticoid receptor DNA-binding factor 1	2.6E+08	0	0	0	0	4.9E+08	0	0	0	0	0	0
LAsPSGSTSSGLEVVAPEVTSAPVSGPGILDDSATICR	4	S594s	Q5EBP9	Tripartite motif protein 28	0	0	0	0	0	0	0	0	0	0	0	0
LQEKLsPPYSSPQEFAQDVGR	3	S752s	Q5EBP9	Tripartite motif protein 28	0	0	0	0	1.3E+08	0	0	0	0	0	0	0
LSPPYSsPQEFAQDVGR	2	S757s	Q5EBP9	Tripartite motif protein 28	8.8E+07	0	0	0	0	0	0	0	0	0	0	0

VsLERLDLDLTSDSQPPVFK	3	S489s	Q5EBP9	Tripartite motif protein 28	4.7E+07	0	0	0	0	0	0	0	0	0	0	0
LSsKLSAVSLR	2	S434s	Q6AYS6	Sorting nexin-17	0	0	0	0	0	0	0	1.9E+08	0	7.7E+07	0	0
SAFTPATATGsSPSPVLGQGEK	2	S898s	Q9WVE9	Intersectin-1	0	0	0	9.9E+08	0	0	0	0	0	0	0	0
sTSIDTGPTEAPSSLK	2	S973s	Q9WVE9	Intersectin-1	0	0	0	0	0	0	0	4.6E+07	0	0	0	0
STsIDTGPTEAPSSLKR	3	S975s	Q9WVE9	Intersectin-1	0	0	2.7E+07	0	0	0	0	3.9E+07	0	0	0	0
NLsPGAVESDVR	2	S173s	Q8BTF0	COATOMER ALPHA SUBUNIT	0	0	0	0	0	0	0	3.3E+07	5.3E+07	0	0	0
ADAPDAGAQsDSELPSYHQNDVSLDR	3	S1244s	Q6A099	Golgi-specific brefeldin A-resistance factor 1	0	0	0	0	0	0	0	0	0	0	0	0
CGsPSDSSTSEMMEVAVSK	2	S126s	P47196	RAC-alpha serine/threonine-protein kinase	1E+08	0	0	0	0	0	0	0	0	0	0	0
SGsPSDNSGAEEMEVALAKPK	2	S124s	P47196	RAC-alpha serine/threonine-protein kinase	8.9E+08	8.1E+08	4.7E+08	3.3E+08	0	0	0	0	0	0	0	0
SGSPSDNsGAEEMEVSLAKPK	3	S129s	P47196	RAC-alpha serine/threonine-protein kinase	0	0	0	2.3E+08	0	0	0	0	0	0	0	0
YFDDEFTAQSITItPPDR	3	T451t	P47196	RAC-alpha serine/threonine-protein kinase	0	0	0	0	0	0	0	0	0	0	0	0
sSSSLLASPSHIAAK	2	S660s	Q3TZZ7	Extended synaptotagmin-2	0	0	0	0	0	0	0	3.3E+08	0	0	4E+08	7.9E+07
AFLsPPTLLEGPLR	2	S514s	Q8R311	meningioma expressed antigen 6	8.6E+08	5.9E+08	8.2E+08	7.6E+08	0	0	0	0	4.6E+08	0	0	1.5E+08
FHDsEGDDTEETEDYR	2	S395s	Q5M7V8	Thyroid hormone receptor-associated protein 3	0	0	0	0	0	0	0	0	0	0	0	0
IDIsPSALR	2	S656s	Q5M7V8	Thyroid hormone receptor-associated protein 3	0	6.6E+07	0	0	0	0	0	0	0	0	0	0
IDIsPSTFR	2	S679s	Q5M7V8	Thyroid hormone receptor-associated protein 3	5.9E+07	4.8E+08	0	2.3E+08	1.8E+08	5.7E+08	0	0	0	0	0	0
sPPATGSAYGSSQKEESAASGGAAYTK	3	S320s	Q5M7V8	Thyroid hormone receptor-associated protein 3	0	0	0	0	1.6E+08	0	0	0	0	0	0	0
sPVGKSPPATGSAYGSSQK	2	S315s	Q5M7V8	Thyroid hormone receptor-associated protein 3	0	6.2E+07	0	0	0	0	0	0	0	0	0	0
YsPSQNsPIHHIPSR	3	S284s S289s	Q5M7V8	Thyroid hormone receptor-associated protein 3	0	0	0	0	4.8E+08	0	0	0	0	0	0	0
sKAEELGLPILGVLR	2	S291s	P21775	3-ketoacyl-CoA thiolase A, peroxisomal precursor	0	0	0	0	8.4E+07	0	0	0	0	0	0	0
VSILIGAsQDLIPQLK	3	S162s	P22734	Catechol O-methyltransferase	0	0	0	0	0	0	0	0	0	0	0	0
EGPEPPEEVPAPtTPPAPK	2	T608t	Q6MG48	Protein PRRC2A	0	4.4E+08	0	0	6.6E+08	1E+08	0	0	0	0	0	0
LAWVGDVFTTTPTDPRPLTsPLR	3	S809s	Q6MG48	Protein PRRC2A	1.5E+08	0	3.6E+08	0	0	0	0	0	0	0	0	0
GQNGEDLSTGGAsPSAEGEPMSESLVQPGHDSEATK	3	S103s	Q5M9G1	Cardiac lineage protein 1	0	0	0	3.4E+08	0	0	0	0	0	0	0	0
ADsEGDLSENDDGAGDLR	2	S321s	Q63014	A-kinase anchor protein 8	0	7.7E+07	0	0	1.7E+08	0	0	0	0	0	0	0
AESSSsISSSASLSAANTPTVGVSR	2	S510s	Q3UQN2	Fcho2 protein	8.3E+08	5.2E+08	0	0	0	0	0	0	0	0	0	0
GPsPVSLGNQDTLPVAIALTESVNAYFK	3	S532s	Q3UQN2	Fcho2 protein	1.2E+08	0	0	0	0	0	0	0	0	0	0	0
DDNLPLTEAVRPKtPPVVIK	4	T257t	Q6AYB6	SYAP1 protein	0	2.1E+07	0	0	0	0	0	0	0	0	0	0
NQEDEEEISTsPGVSEFVSDAFDACNLNQEDLR	3	S278s	Q6AYB6	SYAP1 protein	0	3.4E+08	1.1E+09	0	0	1.4E+09	0	0	0	0	0	0
NQEDEEEISTsPGVSEFVSDAFDACNLNQEDLRK	3	S278s	Q6AYB6	SYAP1 protein	0	2.6E+08	0	0	0	1.3E+09	0	0	0	0	0	0
tPPVVIK	2	T257t	Q6AYB6	SYAP1 protein	0	0	0	0	0	0	0	0	0	0	0	0
GIPLPtGDTSPEPELLPGDPLPPPK	2	T38t	Q5RK09	Eukaryotic translation initiation factor 3, subunit 4	0	0	0	1.1E+09	0	0	0	0	0	0	0	0
GIPLPTGDTsPEPELLPGDPLPPPKEVINGNIK	3	S42s	Q5RK09	Eukaryotic translation initiation factor 3, subunit 4	0	0	0	5.9E+08	0	0	0	0	0	0	0	0
tSDSDQQAYLFQR	2	T523t	Q2MH90	Optineurin	1.6E+08	3.4E+08	3.3E+08	0	1.6E+08	0	0	0	0	0	0	0
ALEsPERPFLAILGGAK	3	S202s	P16617	Phosphoglycerate kinase 1	2.7E+08	0	0	1.5E+08	0	0	0	0	0	0	0	0
IPESETESTASAPNsPR	2	S937s	Q2M4G6	Son of sevenless like-protein 1	1.2E+08	1.9E+08	6.7E+07	5.5E+08	4.6E+08	3.8E+08	0	0	0	0	0	0
TPDVFSSsPLHLQPPPLGK	3	S1070s	Q2M4G6	Son of sevenless like-protein 1	0	8.3E+07	0	4.3E+07	2.5E+08	0	0	0	0	0	0	0
TSISDPPEsPPLLPPR	2	S1051s	Q2M4G6	Son of sevenless like-protein 1	0	0	0	0	0	0	0	0	0	0	0	0
TSISDPPEsPPLLPPREPVR	3	S1051s	Q2M4G6	Son of sevenless like-protein 1	8.8E+08	6.4E+08	6.5E+08	8.4E+08	1.5E+09	8E+08	0	0	0	0	0	0
YHGHsMSDPGVSYR	2	S293s	P26284	Pyruvate dehydrogenase E1 component alpha subunit, somatic form, mitochor	6.1E+08	9.9E+08	3.7E+08	1.5E+08	6.8E+08	1.5E+08	0	0	0	0	0	0
IYHLPDAEsDEDEDFKEQTR	3	S218s	Q91Y81	Vascular endothelial cell specific protein 11	0	0	1.3E+09	0	4.1E+08	9.1E+08	0	0	8.2E+08	0	2.1E+09	7.6E+08
DWEDDsDEDMSNFDR	2	S113s	Q9R0Q7	Prostaglandin E synthase 3	0	0	3.2E+09	0	0	6.1E+09	0	4.7E+07	0	0	3.7E+07	0
VIHDNFGIVEGLMTTVHAITAtQK	3	T181t	P04797	Glyceraldehyde-3-phosphate dehydrogenase	0	1.3E+08	0	0	0	0	0	0	0	0	0	0
AVsGSSLPVGINR	2	S203s	Q9QYV3	C3G protein	4.4E+07	0	0	0	0	0	0	0	0	0	0	0
LSRsDEQLSSLDR	2	S252s	Q9QYV3	C3G protein	0	1.5E+08	0	2.5E+08	5.2E+08	0	0	0	0	0	0	0
SCGGESPRLsPCSSTGK	3	S241s	Q9QYV3	C3G protein	0	0	0	0	0	0	0	0	0	0	0	0
SDEQLSSLDRDsGQCSR	3	S263s	Q9QYV3	C3G protein	0	0	0	0	8.3E+07	0	0	0	0	0	0	0
TSVsPSTELLPDSTSEEVAPPKPPLPGIR	3	S144s	Q9QYV3	C3G protein	0	0	0	0	6.8E+07	0	0	0	0	0	0	0
GPAGsPCEEGDDAEEDGTSDLRDEASSVTR	3	S91s	Q6TQE1	Zinc finger CCCH domain-containing protein 18	0	0	0	0	0	7.9E+08	0	0	0	0	0	0
LGVSVsPSR	2	S529s	Q6TQE1	Zinc finger CCCH domain-containing protein 18	0	7.8E+07	0	0	0	0	0	0	0	0	0	0
VQSQEEIHsDEEDQASEPK	2	S63s	Q6TQE1	Zinc finger CCCH domain-containing protein 18	0	2.2E+08	0	7.9E+08	0	0	0	0	0	0	0	0
SRsTTELNDPLIEK	3	S1142s	Q6JBI6	LMO7b	0	0	0	1.3E+08	0	0	0	0	0	0	0	0
sWASPVYTETEGTFSR	2	S290s	Q6JBI6	LMO7b	0	0	1.7E+08	0	0	0	0	0	0	0	0	0
ADSNSVGGPVPSsSGILEQGLSPGDSSPPKPK	3	S561s	Q99N37	Nadrin E2	0	0	0	6.7E+08	0	0	0	0	0	0	0	0
LGEQGPEPGPTPPQTPtPPStPPPAK	3	T748t T752t	Q99N37	Nadrin E2	0	0	0	0	0	0	0	0	0	0	0	0
IKQHLENDPGsNEDTDIPK	3	S112s	Q920J4	Thioredoxin-like protein 1	0	3.2E+08	5.8E+08	0	0	4.1E+08	0	0	0	0	0	0
QHLENDPGsNEDTDIPK	3	S112s	Q920J4	Thioredoxin-like protein 1	0	1.9E+08	0	0	0	2.3E+08	0	0	0	0	0	0
VGVKPVGsDPDFQPELSGAGSR	3	S8s	Q920J4	Thioredoxin-like protein 1	0	2.9E+08	1.8E+08	4.1E+07	2.7E+08	2.3E+08	0	0	0	0	0	0
QLSVPAsDEEDEVPVPVPR	2	S109s	Q6MG08	ATP-binding cassette sub-family F member 1	0	0	1E+09	0	1.8E+09	4E+09	0	0	0	0	0	0
SFDQLTPEEsKER	2	S69s	O35887	Calumenin precursor	0	0	0	0	0	0	0	2.4E+08	0	0	0	0
RLsEQLAHTPTAFK	3	S496s	Q3TA58	phosphatidylinositol 4-kinase, catalytic, beta polypeptide,	0	0	0	0	0	0	0	0	0	0	0	0
sKSDATASISLSSNLK	2	S275s	Q3TA58	phosphatidylinositol 4-kinase, catalytic, beta polypeptide,	0	3.4E+08	0	0	0	0	0	0	0	0	0	0
sVENLPECGITHEQR	2	S413s	Q3TA58	phosphatidylinositol 4-kinase, catalytic, beta polypeptide,	2E+09	2.2E+09	2.7E+09	1.7E+09	3.7E+09	3.2E+09	0	1.5E+08	1.7E+08	1.1E+08	0	1.6E+08
tASNPKVENEDEPVR	2	T292t	Q3TA58	phosphatidylinositol 4-kinase, catalytic, beta polypeptide,	0	2.2E+08	0	0	2E+08	0	0	0	0	0	0	0
VNLEESTGVENsPTGARPK	2	S298s	Q62991	Sec1 family domain-containing protein 1	0	0	0	0	0	0	0	0	0	0	1E+08	0
sPTMEQAVQTASAHLPAPAPVGR	3	S192s	Q8K2F8	Protein FAM61A	6.9E+08	2.6E+08	1E+09	3.8E+07	1.3E+08	0	0	0	0	0	0	0
sPVPARPLPPTSQK	2	S216s	Q8K2F8	Protein FAM61A	0	7.5E+08	5.5E+07	3.9E+08	1E+09	4.7E+08	0	0	0	0	0	0
sSPQLDPLRK	2	S182s	Q8K2F8	Protein FAM61A	0	0	0	0	1E+08	0	0	0	0	0	0	0
GDMsDEDDENEFFDAPEIITMPENLGHK	3	S292s	Q3B7Z2	Oxysterol-binding protein 1	0	0	1.1E+09	0	0	0	0	0	0	0	0	0
sLSELESLKLPAESNEK	2	S179s	Q3B7Z2	Oxysterol-binding protein 1	0	1.7E+08	1.6E+08	7.9E+07	0	4.1E+07	0	0	0	0	0	0
EHsPPGEVVLR	2	S398s	Q68FR2	Bridging integrator 2	0	0	0	3.3E+08	0	0	0	0	0	0	0	0
STPDtSMESSLEFFR	2	T280t	Q920A6	Retinoid-inducible serine carboxypeptidase precursor	0	0	0	0	0	0	0	0	0	0	7.9E+08	0
EVPAGSTARSVsSTSGSTTVTSAAtTAATDMK	3	T205t S192s	Q8C7U9	Phosphatase and actin regulator 4	0	0	0	0	0	0	0	0	0	1.9E+07	0	0

IQQALLSPLPVTPPLEGTHR	3	T419t	Q8C7U9	Phosphatase and actin regulator 4	0	0	0	2.1E+07	0	0	0	0	0	0	0	0
sLPITIEMLK	2	S457s	Q8C7U9	Phosphatase and actin regulator 4	3E+08	3.8E+08	2.8E+08	8.5E+08	3.1E+08	0	0	0	0	0	0	0
tRSLPITIEMLK	2	T455t	Q8C7U9	Phosphatase and actin regulator 4	0	0	0	7E+07	3.2E+07	0	0	0	0	0	0	0
QIsQDVKLEPDILLR	3	S87s	Q9DBT5	AMP deaminase 2	7.3E+07	0	0	0	0	0	0	0	0	0	0	0
CGSGPVHISGQHLVAVEEDAEsEDEDEEDVK	4	S125s	P13084	Nucleophosmin	0	0	1.2E+08	0	0	2.3E+08	0	0	0	0	0	0
GVLADRESPEQPFVVLNK	2	S461s	Q9EPY0	Caspase recruitment domain-containing protein 9	1.4E+08	1.8E+08	4.3E+08	1E+08	6.7E+07	6.7E+08	0	0	0	0	0	0
NSQELSLPQDLEEDAQLsDK	3	S451s	Q9EPY0	Caspase recruitment domain-containing protein 9	0	1E+08	0	0	0	0	0	0	0	0	0	0
DYDTLSKYsPK	2	S281s	Q3KR97	Brain-specific angiogenesis inhibitor 1-associated protein 2-like protein 1	0	0	0	0	0	0	0	4.4E+07	0	0	0	0
ASGPGtPPAAEPSVLTTK	2	T984t	Q62799	Receptor tyrosine-protein kinase erbB-3 precursor	0	0	0	0	0	0	0	0	0	0	0	1.3E+08
GRPAsESSEGHVTGSEAELQEK	3	S1091s	Q62799	Receptor tyrosine-protein kinase erbB-3 precursor	0	0	0	0	0	0	0	0	0	0	0	0
YLERGEsIEPLDPSEK	2	S684s	Q62799	Receptor tyrosine-protein kinase erbB-3 precursor	0	0	0	0	0	0	0	0	0	9.7E+07	0	0
GKLTPSPVDFtITPETLQNVK	3	T158t	O35075	Down syndrome critical region protein 3 homolog	0	0	0	0	7.5E+07	0	0	0	0	0	0	0
RLsLTPDPEK	2	S1091s	Q5SQG3	FK506-binding protein 15	0	0	0	0	0	0	0	7.1E+07	0	0	0	0
AKPSPAPsPTISAPDASGPQK	2	S39s	Q9QYU1	Peroxisomal biogenesis factor 19	1.3E+07	7.8E+08	2.5E+08	5.3E+08	1.1E+09	1.2E+08	0	0	0	0	0	0
AKPsPAPsPTISAPDASGPQKR	3	S35s S39s	Q9QYU1	Peroxisomal biogenesis factor 19	0	0	0	0	5.9E+08	0	0	0	0	0	0	0
SGTQPSSCSSEVSKPDGAGEGPAQsLTEQMK	3	S305s	O08623	Sequestosome-1	0	1.4E+08	0	0	0	0	0	0	0	0	0	0
SRLtPTSAESSSTGTEDK	2	T266t	O08623	Sequestosome-1	4.7E+07	3.2E+08	3.8E+07	4E+08	3.2E+08	0	0	0	0	0	0	0
GGSSEELHDsPQDSSDPARPGNEHQDHER	3	S635s	Q68G63	Hepatoma-derived growth factor-related protein 2	1.2E+08	0	2.2E+08	3.4E+08	0	1.1E+08	0	0	0	0	0	0
GGsSGEELEDEEPVK	2	S366s	Q68G63	Hepatoma-derived growth factor-related protein 2	0	0	0	0	3.1E+08	0	0	0	0	0	0	0
SAPVNGEAAsQKGENTEDGAQEDGQDLEDGPR	3	S603s	Q68G63	Hepatoma-derived growth factor-related protein 2	6E+08	5.8E+08	7.2E+08	1E+09	0	6.9E+08	0	0	0	0	0	0
VTQLDPKEEEVsLQGINTR	3	S90s	Q5FWU0	WAS protein family, member 2	0	0	0	0	0	0	0	3.8E+07	0	0	0	0
TNLTSQSSATSLPGSPGSPGsPGSPGSPGSVPK	3	S789s	Q69Z35	Serine/threonine-protein phosphatase 4 regulatory subunit 3A	0	0	0	0	1.6E+08	0	0	0	0	0	0	0
HGTDLWIDNMNSAPSHsPEKK	4	S145s	Q3MID3	Zinc finger protein 289	8.4E+07	0	0	0	0	0	0	0	0	0	0	0
CSDVSELSsSPPGPYHQEPYISKPEER	2	S180s	P80386	5'-AMP-activated protein kinase subunit beta-1	0	4.6E+08	0	0	0	0	0	0	0	0	0	0
sQNNFVAILDLPEGEHQYK	3	S107s	P80386	5'-AMP-activated protein kinase subunit beta-1	0	0	0	8.7E+07	0	0	0	0	0	0	0	1E+08
HKsDVEIPATVTAFSFEDDSVPLSPLK	3	S402s	Q62847	Gamma-adducin	0	0	0	0	0	0	0	0	0	0	0	0
TEEVLSPDGSPsKSPSK	3	S678s	Q62847	Gamma-adducin	0	1.2E+08	0	2.2E+08	0	0	0	0	0	0	0	0
AsSDGEGTMSRPASVDGSPVSPSTNR	3	S324s	P35570	Insulin receptor substrate 1	0	8.5E+08	0	0	0	0	0	0	0	0	0	0
RHSsASFENVWLRPGDLGGASK	4	S1136s	P35570	Insulin receptor substrate 1	0	1.6E+07	0	0	0	0	0	0	0	0	0	0
RHsSETFSAPTR	3	S1099s	P35570	Insulin receptor substrate 1	0	1.3E+07	0	0	0	0	0	0	0	0	0	0
sPGEYVNIEFGSGQPGYLAGPATSR	3	S891s	P35570	Insulin receptor substrate 1	2.8E+07	1.7E+08	0	1.8E+08	0	0	0	0	0	0	0	0
sQSSSSCSNPISVPLR	2	S265s	P35570	Insulin receptor substrate 1	0	0	0	3.2E+07	3.8E+07	0	0	0	0	0	0	0
TYEQIKVDENENCSsLGSPSEPPQTLDLVR	3	S199s	Q5DTP5	Cyclin-dependent kinase inhibitor 2B-related protein	2.9E+08	0	0	0	0	0	0	0	0	0	0	0
VDENENCSSLGsPSEPPQTLDLVR	3	S202s	Q5DTP5	Cyclin-dependent kinase inhibitor 2B-related protein	2.2E+08	0	0	0	0	0	0	0	0	0	0	0
GNNSGVGsNADLTIEEDEEEESVALQQAQQVR	3	S361s	Q66H98	Serum deprivation-response protein	0	4.9E+08	0	0	0	0	0	0	0	9.3E+07	0	0
SsPFKVsPLSFGR	2	S286s S291s	Q66H98	Serum deprivation-response protein	0	0	0	3.6E+07	5.2E+07	0	0	0	0	0	0	0
KVVDYSQFQEsDDADEDYGR	2	S19s	Q80XU3	Nuclear ubiquitous casein and cyclin-dependent kinases substrate	0	0	1.9E+10	0	6.5E+09	1.7E+10	0	0	0	0	0	0
LKATVtPSPVK	2	T179t	Q80XU3	Nuclear ubiquitous casein and cyclin-dependent kinases substrate	0	0	0	8.1E+07	0	0	0	0	0	0	0	0
tPSPKEEDEEAESPPEK	2	T202t	Q80XU3	Nuclear ubiquitous casein and cyclin-dependent kinases substrate	0	2.8E+08	2.2E+08	2.9E+08	1.4E+08	1.4E+08	0	0	0	0	0	0
VVDYSQFQEsDDADEDYGR	2	S19s	Q80XU3	Nuclear ubiquitous casein and cyclin-dependent kinases substrate	0	0	1.8E+10	0	0	1.4E+10	0	0	0	0	0	0
HGsGAESDYENTQSGEPLLGLEGK	3	S601s	Q9Z272	ARF GTPase-activating protein GIT1	3.7E+08	0	0	0	0	4.9E+07	0	0	0	0	0	0
AYtPVVVTLWYR	2	T584t	P24788	PITSLRE serine/threonine-protein kinase CDC2L1	0	0	3E+07	0	0	0	0	0	0	0	0	0
DLLSDLQDIsDSER	2	S270s	P24788	PITSLRE serine/threonine-protein kinase CDC2L1	0	3.8E+08	0	0	0	0	0	0	0	0	0	0
GtSPRPPEGGLGYSQLGDDDLK	3	T740t	P24788	PITSLRE serine/threonine-protein kinase CDC2L1	8.6E+07	3E+08	1.8E+08	2.1E+08	3.3E+08	0	0	0	0	0	0	0
RGTsPRPPEGGLGYSQLGDDDLK	3	S741s	P24788	PITSLRE serine/threonine-protein kinase CDC2L1	0	0	0	0	0	0	0	0	0	0	0	0
VATLNsEEESDPPTYK	2	S31s	Q3KRF2	High density lipoprotein binding protein	0	0	0	0	0	0	0	3.5E+08	0	0	0	0
DLFNGLDsEEEENDGEEEVRPSKDEIGSSSGK	3	S99s	Q5HZA4	LysM and putative peptidoglycan-binding domain-containing protein 1	0	0	0	0	0	0	0	3.9E+08	0	0	0	0
KGESGVPEEDTGLYPsSPR	3	S193s	Q5HZA4	LysM and putative peptidoglycan-binding domain-containing protein 1	0	0	0	0	0	0	0	0	0	7.7E+07	0	0
FIDKDQQPsGsEGEDDDAEAALK	2	S86s S88s	Q5M943	THUMP domain containing 1	0	0	0	0	0	0	0	0	0	0	0	0
AAKPEQVLEPSTVPSTLLRPPEsPDAVPEIPR	3	S568s	Q8VIP2	Carbohydrate responsive element binding protein	0	1.7E+08	1.3E+08	0	0	0	0	0	0	0	0	0
AERLsPPASSGSER	2	S615s	Q8VIP2	Carbohydrate responsive element binding protein	0	0	0	0	0	0	0	0	0	0	0	0
NSCsGPLDPSTFPSSEFLLPEDPK	3	S368s	Q8VIP2	Carbohydrate responsive element binding protein	0	0	7.7E+07	0	0	0	0	0	0	0	0	0
SSsEVGALSHETGLSSLEIATK	3	S315s	Q4V8B0	Oxidation resistance protein 1	2.8E+07	0	0	0	0	0	0	0	0	0	0	0
DGTAPPPQSPSSPGSGQDEDWsDEESPRK	3	S354s	Q5I2Z0	Syndapin III	0	2.8E+08	0	0	0	0	0	0	0	0	0	0
STLPVDEGsPLEKLEQK	3	S618s	Q5M7W5	Microtubule-associated protein 4	0	0	2.2E+08	0	0	0	0	4.1E+07	3.8E+07	0	0	0
VGsLDNVGHLPAGGTVK	3	S978s	Q5M7W5	Microtubule-associated protein 4	0	1.4E+08	0	7.8E+07	0	0	0	0	0	0	0	0
VTEFNNVTPLSEEEVASIKDVsPSPETETAK	3	S520s	Q5M7W5	Microtubule-associated protein 4	0	0	6.9E+08	6.6E+08	0	0	0	0	0	0	0	0
EHANIDAQSGSQASNPSATVsPR	3	S330s	Q5RJQ4	NAD-dependent deacetylase sirtuin-2	2.8E+08	1.2E+08	5E+08	1.1E+09	4.5E+08	1.3E+08	0	0	0	0	0	0
REHANIDAQSGSQASNPSATVsPR	3	S330s	Q5RJQ4	NAD-dependent deacetylase sirtuin-2	0	1.5E+08	1.2E+08	2.2E+08	3.7E+08	0	0	0	0	0	0	0
LHGGFDSDCsEDGEALNGEPELDLTSK	3	S47s	Q3UD96	GTP binding protein 1,	0	0	2.4E+09	0	0	0	0	0	0	0	0	0
sRSPVDSPVPASMFAPEPSSPGAAR	3	S6s	Q3UD96	GTP binding protein 1,	0	5.3E+08	0	0	5.4E+08	0	0	0	0	0	0	0
GLLTHQGPGYLSDSPPsPGGTASQK	3	S474s	Q64535	ATPase 7B	0	0	0	0	0	0	0	0	1.1E+09	0	0	6.8E+08
SsPPATDPGPVPSSPR	2	S153s	Q499N6	UBX domain-containing protein 1	1.3E+09	6.6E+08	1.3E+08	0	1.8E+08	2.3E+09	0	0	0	0	0	0
SsPPATDPGPVPSsPRQEPPTK	3	S153s S165s	Q499N6	UBX domain-containing protein 1	1.8E+08	1.9E+08	9.7E+07	0	0	1.6E+08	0	0	0	0	0	0
YGGTVGSRSsPPATDPGPVPSSPR	3	S153s	Q499N6	UBX domain-containing protein 1	1.4E+07	0	0	0	0	0	0	0	0	0	0	0
EEQTDTsDGESVTHHIR	2	S51s	Q6MG06	Guanine nucleotide binding protein-like 1	0	5.7E+08	0	0	0	1.1E+09	0	0	0	0	0	0
RsSDPALTGLSTSVSDNNFSSEEPSR	3	S143s	Q9Z340	Partitioning defective 3 oocyte form 1	2.2E+08	1.1E+09	1.1E+09	7.2E+08	2E+08	2.1E+08	0	0	3.1E+07	0	0	0
SsDPALTGLSTSVSDNNFSSEEPSR	3	S144s	Q9Z340	Partitioning defective 3 oocyte form 1	0	1.5E+08	2.5E+08	0	0	2.3E+08	0	0	0	0	0	0
TVSSPPTSPRPGsAAtMASSTSNIVPPR	3	T357t S354s	Q32PZ7	Srp72 protein	0	7.5E+08	0	0	0	0	0	0	0	0	0	0
ETRNsWDSPAFSNDVIR	3	S510s	Q8R0S2	IQ motif and Sec7 domain-containing protein 1	0	0	2.8E+07	0	0	0	0	0	0	0	0	0
NsWDSPAFSNDVIR	2	S510s	Q8R0S2	IQ motif and Sec7 domain-containing protein 1	0	0	0	0	1.7E+08	1.3E+08	0	0	0	0	0	0
SESDYSDGDNDsINSTSNSNDTINCSSESSSR	3	S470s	Q8R0S2	IQ motif and Sec7 domain-containing protein 1	0	2.5E+08	0	0	1.5E+08	0	0	0	0	0	0	0
LETGAPRPPAtVtNAVSWR	3	T151t T153t	Q32Q06	AP-1 complex subunit mu-1	0	0	0	0	0	0	0	0	0	0	0	0

RVSVCAETTNPDEEEDNDPR	3	S96s	P12368	cAMP-dependent protein kinase type II-alpha regulatory subunit	0	0	0	2.7E+08	0	0	0	0	0	0	0	0
NLsMEDNEEDGAQTGVNR	2	S19s	P21643	Tryptophan 2,3-dioxygenase	0	0	0	2.7E+08	0	0	0	0	0	0	0	0
VAREEDSGsGEAHSASVQGAPK	3	S160s	Q3U473	WAS protein family homolog 1	0	0	0	0	0	0	0	0	0	0	4.9E+07	0
LFDDsDERGTVGNVK	2	S724s	Q8BGC0	HIV TAT specific factor 1	4.8E+08	0	0	0	0	0	0	0	0	0	0	0
HIEPELAGRDsPVR	3	S264s	Q8C1Y8	Vacuolar fusion protein CCZ1 homolog	2.2E+08	0	0	2.9E+08	4E+08	0	0	0	2.6E+08	0	3.1E+08	6.7E+07
sPVLLDDPVLCAIAK	2	S232s	P23457	3-alpha-hydroxysteroid dehydrogenase	0	2E+07	0	0	1.7E+07	0	0	0	0	0	0	0
GVVPEDAVETLAGSLGtREADPEHEK	2	T521t	Q5BK19	Calpastatin, isoform b	0	0	0	0	0	0	0	0	0	0	1.2E+09	0
KGSDEVTASSAATGTsPR	3	S57s	Q5BK19	Calpastatin, isoform b	0	0	0	0	0	0	0	0	0	0	0	0
ETFASDtNEALASLDEAQEGPGETK	3	T349t	Q63068	RNA U small nuclear RNA export adapter protein	3.4E+08	0	0	0	0	0	0	0	0	0	0	0
KPASVSPTTPPsPTEGEAS	2	S516s	Q9QXU8	Cytoplasmic dynein 1 light intermediate chain 1	4.1E+08	0	0	0	0	0	0	0	0	0	0	0
GSGTAsDDEFENLR	2	S1907s	Q4JG03	Mcl-1 ubiquitin ligase	0	0	0	6.1E+07	0	0	0	0	0	0	0	0
HGLLLPAsPVR	2	S75s	Q6AYT4	Protein C9orf42 homolog	2E+08	5.7E+08	6.8E+08	1.4E+08	4.1E+08	0	0	0	0	0	0	0
IDFIPVSPAPsPTR	2	S146s	Q6AYT4	Protein C9orf42 homolog	0	0	0	0	0	2E+08	0	0	0	0	0	0
RIDFIPVSPAPsPTR	2	S146s	Q6AYT4	Protein C9orf42 homolog	0	1.5E+09	7.9E+07	4.8E+08	7.1E+08	0	0	0	0	0	0	0
sNSAPLIHGLSDSSPVFQAEAPSAR	3	S34s*	Q6AYT4	Protein C9orf42 homolog	4.1E+08	1E+09	5E+08	1.3E+09	2E+09	4.1E+07	0	0	0	0	0	0
VSTtTDSPVSPAQAASPFIPVDELSSK	2	T263t	Q6AYT4	Protein C9orf42 homolog	0	7.1E+07	0	7.8E+07	1.1E+08	0	0	0	0	0	0	0
ASHESTEQSDAIDsAEKPDAIDSAER	3	S248s	P08721	Osteopontin precursor	0	0	0	0	0	0	0	0	9.2E+08	0	3.4E+08	3.5E+08
SQEsDEAIKVIPVAQR	2	S183s	P08721	Osteopontin precursor	0	0	0	0	0	0	0	0	5.9E+07	3.9E+07	4.8E+07	5.7E+07
ASVDsETESSPGVNETAAASGQR	2	S11s	Q5U2U7	mRNA cap guanine-N7 methyltransferase	3.4E+08	2.5E+08	6.4E+08	5.1E+08	1.7E+09	1E+09	0	0	0	0	0	0
GGGsEDEPSPGGLTER	2	S94s	Q5U2U7	mRNA cap guanine-N7 methyltransferase	3.7E+08	2E+08	0	8.6E+08	5E+08	4.4E+08	0	0	0	0	0	0
TQDDLVEQNSSYVQDsPSK	3	S58s	Q5U2U7	mRNA cap guanine-N7 methyltransferase	0	0	0	0	0	0	0	0	0	0	0	0
TQDDLVEQNSSYVQDSPsKK	3	S60s	Q5U2U7	mRNA cap guanine-N7 methyltransferase	6.2E+07	0	0	0	0	0	0	0	0	0	0	0
sLSEQPVVDTATATEQAK	2	S49s	Q6MG75	RD RNA-binding protein	8.8E+08	2.6E+08	7.9E+08	4.7E+08	4.7E+08	4.5E+08	0	0	0	0	0	0
SMsADEDLQEPSR	2	S115s	Q6MG75	RD RNA-binding protein	0	4.2E+08	0	4.3E+08	0	0	0	0	0	0	0	0
ANSTPEPSQQSAsPLSAAESLESPGSNRPVVAGLR	3	S318s	Q62920	PDZ and LIM domain protein 5	0	0	0	0	3.9E+08	0	0	0	0	0	0	0
KANSTPEPSQQSAsPLSAAESLESPGSNRPVVAGLR	4	S318s	Q62920	PDZ and LIM domain protein 5	0	0	0	0	0	0	0	0	0	0	0	0
KYsSCSTIFLDDSTVSQPNLK	3	S99s	Q8BGU5	Cyclin fold protein 1	0	0	0	0	0	0	0	0	0	0	1.5E+07	4.4E+08
LEsYRPDTDLSR	2	S25s	Q8BGU5	Cyclin fold protein 1	0	0	0	0	0	0	0	0	0	0	0	0
RSAsADNLILPR	2	S326s	Q8BGU5	Cyclin fold protein 1	0	0	0	0	0	0	0	0	1.3E+08	0	0	0
SAsADNLILPR	2	S326s	Q8BGU5	Cyclin fold protein 1	7.6E+07	0	4.8E+07	0	8.4E+07	9.9E+07	0	1.3E+09	8.4E+08	2.1E+07	1.7E+09	1.6E+09
DGRPLsPDHLEGLYAK	3	S990s	Q5SV53	Ortholog of human amyotrophic lateral sclerosis 2	0	1.6E+08	0	0	0	0	0	0	0	0	0	0
KSsSLESLQTAVAEVR	2	S745s	Q5SV53	Ortholog of human amyotrophic lateral sclerosis 2	0	7.5E+08	2.9E+07	0	0	1.3E+08	0	0	0	0	0	0
sDSPGKDFGPTLGLK	2	S728s	Q5SV53	Ortholog of human amyotrophic lateral sclerosis 2	0	1.8E+08	4.1E+07	1.3E+09	6.2E+07	3.3E+08	0	0	0	0	0	0
SsSLESLQTAVAEVR	2	S745s	Q5SV53	Ortholog of human amyotrophic lateral sclerosis 2	5.1E+08	1.1E+09	9.7E+08	1.4E+09	1.9E+08	9.1E+08	0	0	0	0	0	0
LAGGQTSQPTTPLTsPQR	3	S31s	Q6DID4	Ubiquitination factor E4B	0	0	0	0	0	0	0	0	0	0	0	0
SQSsEGVSSLSSSPSNSLETQSQSLSR	3	S79s	Q6DID4	Ubiquitination factor E4B	3.7E+08	1.2E+09	2.5E+09	1.1E+08	1.2E+09	1.3E+09	0	0	0	0	0	0
LADFGVAGQLTDtQIKR	3	T172t	Q3U335	Serine/threonine-protein kinase 24	0	0	0	0	0	0	0	0	0	0	0	2.8E+08
EEENVDsDDEGELQDLLSQDWR	3	S349s	Q3MHS2	Coiled-coil domain-containing protein 16	0	0	0	0	0	0	0	0	0	0	0	0
KEEENVDsDDEGELQDLLSQDWR	3	S349s	Q3MHS2	Coiled-coil domain-containing protein 16	0	0	8.9E+08	0	0	0	0	0	0	0	0	0
KGVDLLLEGVQGESSPtR	3	T283t	Q8BLK9	Ribosomal protein S6 kinase delta-1	4.7E+07	6.2E+07	0	6.7E+07	8.3E+07	0	0	0	0	0	0	0
DEILPtTPISEQK	2	T220t	P62908	40S ribosomal protein S3	0	0	4.8E+08	0	0	0	0	0	1.3E+09	0	1.2E+09	8.2E+08
KPLPDHVSIVEPKDEILPtTPISEQK	4	T220t	P62908	40S ribosomal protein S3	0	0	0	0	0	0	0	1.3E+08	0	0	0	0
HSTNAESILGTsSDLDEETPPPVPVK	3	S246s	Q9JM80	Phosphoprotein associated with glycosphingolipid-enriched microdomains 1	0	0	0	0	0	0	0	6.9E+08	2.4E+08	6.7E+08	8.9E+08	5.6E+08
CSPVPGLSSsPSGSPLHGK	3	S267s	Q5SWI0	Breast carcinoma amplified sequence 3	0	2E+07	2.4E+07	0	0	0	0	0	0	0	0	0
EGsIETLSNSSGSTSGSIPR	2	S650s	Q5SWI0	Breast carcinoma amplified sequence 3	3.4E+08	2.4E+08	1.7E+08	6E+08	6.1E+08	3.1E+08	0	0	0	0	0	0
LADAMAEsPSRDVVGSGTELQR	3	S633s	Q5SWI0	Breast carcinoma amplified sequence 3	0	1.1E+08	0	0	1.7E+08	0	0	0	0	0	0	0
HDVEDCKFsDDsDDDFVQPR	3	S582s S585s	Q32PZ6	Trim24 protein	0	0	0	0	0	2E+08	0	0	0	0	0	0
QEsDEESRPQNTNYPR	3	S301s	Q32PZ6	Trim24 protein	0	0	0	0	0	0	0	0	0	0	0	0
SEWPDAsQKSPVHVGETR	3	S365s	Q32PZ6	Trim24 protein	2.1E+08	0	0	0	1.3E+08	1.1E+08	0	0	0	0	0	0
DVEFEVVGDtPEK	2	T124t	Q3U819	SUMO-activating enzyme subunit 2	0	0	0	5.8E+07	0	0	0	0	0	0	0	0
AsDPGLPAEEPK	2	S1403s	Q6P9L1	Cad protein	0	0	0	0	0	0	0	0	0	0	0	0
IHRAsDPGLPAEEPK	3	S1403s	Q6P9L1	Cad protein	0	2.5E+08	2E+08	1.6E+08	1.7E+08	2.9E+07	0	0	0	0	0	0
NStDSRPVSVTYR	2	T349t	Q3ULP2	2310040A13Rik protein	0	0	0	0	0	0	0	0	5E+08	0	2.1E+08	0
RNStDSRPVSVTYR	3	T349t	Q3ULP2	2310040A13Rik protein	0	0	0	0	0	0	0	2.6E+08	3.3E+08	0	3.1E+08	1.5E+08
sNSLPHSAVSNAGSK	2	S82s	Q3ULP2	2310040A13Rik protein	0	0	0	0	0	0	0	2.3E+08	4.8E+07	0	0	0
sSDKLNLVTK	2	S482s	Q3ULP2	2310040A13Rik protein	0	0	0	0	0	0	0	2.3E+09	0	0	0	5.1E+08
GNVVPsPLPTR	2	S41s	Q9WU49	Calcium-regulated heat stable protein 1	0	1.1E+08	9.4E+07	0	0	1.7E+08	0	0	0	0	0	0
HETWSGHVISs	2	S147s	Q9WU49	Calcium-regulated heat stable protein 1	4.4E+08	8.1E+08	5.1E+08	0	5.9E+08	1.8E+08	0	0	0	0	0	0
NLLEDDsDEEEDFFLR	2	S30s	O70480	Vesicle-associated membrane protein 4	0	0	0	0	0	0	0	4E+08	0	0	3.1E+09	9.1E+08
RNLLEDDsDEEEDFFLR	2	S30s	O70480	Vesicle-associated membrane protein 4	0	0	0	0	0	0	0	9.4E+08	0	0	1.2E+09	9.4E+08
SLsSSPQAQPPRPAELSDEEVAELFQR	3	S686s	Q9JHZ4	GRIP1-associated protein 1	0	3E+08	0	0	4.3E+07	0	0	0	0	0	0	0
KPARPNSEVLLsGSEDADDPNKLSK	3	S37s	P70488	Eif5b protein	1.9E+08	4.1E+08	6.4E+08	0	6.3E+08	0	0	0	0	0	0	0
SVPtIDSGNEDDDSSFK	2	T112t	P70488	Eif5b protein	0	0	4.7E+09	1.5E+09	0	0	0	0	0	0	0	0
GAQADHFTQTPLsPGSQVQVR	3	S88s	Q5XI97	Alanyl-tRNA editing protein Aarsd1	0	6.7E+07	0	1.6E+08	4.2E+08	0	0	0	0	0	0	0
RAEVQALLQDYVStQSAEE	2	T407t	Q5XI97	Alanyl-tRNA editing protein Aarsd1	0	0	3.8E+08	0	0	0	0	0	0	0	0	0
GDLTELPNGLGEtRGsEDDTDDDGEDFAPPILK	3	T67t S70s	P15257	Hepatocyte nuclear factor 1-alpha	0	0	7.7E+08	0	0	1.1E+09	0	0	0	0	0	0
GVSPsQAQGLGSNLVTEVR	2	S249s	P15257	Hepatocyte nuclear factor 1-alpha	0	0	0	2E+09	0	0	0	0	0	0	0	0
LAMDTYNGPPPGPGPGPALPAHSsPGLPTTTLSPSK	4	S304s	P15257	Hepatocyte nuclear factor 1-alpha	0	0	0	0	2E+08	0	0	0	0	0	0	0
GPDRtPPSEEDSAEAER	2	T81t	O70593	Small glutamine-rich tetratricopeptide repeat-containing protein A	9.9E+07	1.9E+08	0	1.3E+08	1.4E+08	0	0	0	0	0	1.2E+07	0
AsPSSDEDKPEIPPR	2	S271s	P05432	ERBB receptor feedback inhibitor 1	1.4E+08	8.7E+08	4.3E+08	6.2E+08	6.7E+08	6.7E+08	0	0	0	0	0	2.8E+07
ISSCTHRAsPSSDEDKPEIPPR	4	S271s	P05432	ERBB receptor feedback inhibitor 1	7.4E+07	0	0	2E+08	0	0	0	0	0	0	0	0
LSVNGVCAStPPLTPIQSCSSPFPCAAPCDR	3	T126t	P05432	ERBB receptor feedback inhibitor 1	0	0	6.6E+07	0	0	0	0	0	0	0	0	0
RWsAEVTSNTYSDEDRPPK	3	S300s	P05432	ERBB receptor feedback inhibitor 1	6.3E+07	0	3.7E+08	0	7.9E+08	0	0	0	0	0	0	0

SHsGPAGSFNKPAIR	2	S250s	P05432	ERBB receptor feedback inhibitor 1	4.2E+07	1.3E+09	2E+08	0	8.6E+08	0	0	0	0	0	0	0
ASPITNDGEDEFVPsDGIDKDEYAFSPGK	3	S1400s	Q14TE9	DNA topoisomerase 2-beta	0	0	0	0	4.7E+08	0	0	0	0	0	0	0
FDsNEEDTTSVFAPSFGLK	2	S1453s	Q14TE9	DNA topoisomerase 2-beta	0	0	0	0	5.4E+08	0	0	0	0	0	0	0
KTsFDQDSDVDIFPSDFTSEPPALPR	3	S1565s	Q14TE9	DNA topoisomerase 2-beta	0	0	4E+08	3.2E+08	1.9E+08	0	0	0	0	0	0	0
KVVEPANSDsDSELGNIPK	3	S1512s	Q14TE9	DNA topoisomerase 2-beta	0	2.6E+08	0	0	4.5E+08	2.5E+08	0	0	0	0	0	0
SEDDSAKFDsNEEDTTSVFAPSFGLK	3	S1453s	Q14TE9	DNA topoisomerase 2-beta	0	5.7E+08	0	0	4.9E+08	0	0	0	0	0	0	0
tDSYSAGQSVEILDGVELGEPAHK	3	T2446t	P42346	FKBP12-rapamycin complex-associated protein	5.2E+08	0	2.6E+08	8.2E+08	7.4E+08	0	0	0	0	0	0	0
TGTTVPESIHsFIGDGLVKPEALNK	3	S2481s	P42346	FKBP12-rapamycin complex-associated protein	0	9.1E+07	0	4E+07	0	0	0	0	0	0	0	0
ACGLFVtSDEEDFPFHEEY	2	T304t	Q5RJP0	Aldo-keto reductase family 1, member B7	0	0	0	0	0	2.4E+09	0	0	0	0	0	0
EsPEGSYTDDANQEVR	2	S443s	Q2HWE9	Cdc42 effector, short isoform	0	2.4E+08	0	0	3.5E+08	0	0	0	0	0	0	0
DIIRQPsEEEIIK	3	S116s	Q5U318	Phosphoprotein enriched in astrocytes 15	0	0	2.2E+08	0	0	0	0	0	0	1.7E+07	0	0
TESVTSGPLSPEGSPSKSPsK	3	S701s	Q05764	Beta-adducin	0	0	0	0	0	0	0	0	0	0	0	3.3E+08
HPPVLtPPDQEVIR	2	T640t	P68404	Protein kinase C beta type	1.2E+08	5.6E+08	4.2E+08	0	1.5E+08	1.5E+08	0	2E+08	2.5E+08	1.3E+08	3.5E+08	2E+08
NIDQSEFEGFSFVNsEFLKPEVK	3	S663s	P68404	Protein kinase C beta type	0	0	0	0	0	0	0	0	0	0	0	0
tFCGTPDYIAPEIIAYQPYGK	3	T499t	P68404	Protein kinase C beta type	0	0	0	0	0	0	0	0	0	0	0	0
sQSLPNSLDYAQTSER	2	S44s	Q66H15	Regulator of microtubule dynamics protein 3	0	0	0	0	0	0	0	1.2E+08	1.9E+08	5.5E+07	1.5E+08	6.5E+07
GLTGtPASPLEASPGLPSTDAESSGEQLQER	3	T518t	Q6MGC8	Death domain-associated protein	0	0	0	0	0	0	0	0	0	0	0	0
IsVLSTPSSPLASVGPVADSSTR	2	S654s	Q6MGC8	Death domain-associated protein	0	0	0	1.7E+08	0	0	0	0	0	0	0	0
NSAPTEGLRsPEEQQER	2	S506s	Q6MGC8	Death domain-associated protein	0	1.2E+08	9.5E+07	2.2E+08	0	1.7E+08	0	0	0	0	0	0
IsDSESEELPKPR	2	S183s	Q3SWT4	IWS1 homolog	0	3.4E+08	2.7E+08	0	3E+08	4.2E+08	0	0	0	0	0	0
TVAsDSEEEVGKEESSVK	3	S383s	Q3SWT4	IWS1 homolog	0	3.2E+08	0	0	0	0	0	0	0	0	0	0
DSLGDFIEHYAQLGPSsPEQLAAGAEEGGGPR	3	S103s	Q68A21	Transcriptional activator protein Pur-beta	3E+08	9.3E+08	0	0	1.2E+09	0	0	0	0	0	0	0
ENGSDGGEVAADSPGsVQSSGSGTR	3	S150s	Q5BJN8	Hypothetical protein RGD1305572	0	0	0	0	2.6E+07	0	0	0	0	0	0	0
SEsPKELQNPMTEPGQGILENTGTEPGETSTR	3	S162s	Q5BJN8	Hypothetical protein RGD1305572	0	2E+08	2E+08	5.5E+08	0	0	0	0	0	0	0	0
GPLPAAPPAAPERQPsWER	3	S107s	Q9JK11	Reticulon-4	0	0	0	0	0	0	0	0	0	0	0	2.8E+08
RGSGSVDEtLFALPAASEPVIPSSAEK	3	T175t	Q9JK11	Reticulon-4	0	0	0	0	6.4E+07	0	0	0	0	0	0	0
QLNEQPDHsPLVQPGLAELR	3	S21s	P41034	Alpha-tocopherol transfer protein	0	0	0	0	0	0	0	0	0	0	0	0
NMTVEQLLTGSPTsPTVEPEKPTR	3	S610s	Q6PCR9	Ube2o protein	0	1E+08	0	0	1.7E+08	0	0	0	0	0	0	0
EAAEAEPAEPGSPsAETEGASASSTSSPK	3	S114s	P30009	Myristoylated alanine-rich C-kinase substrate	0	0	0	0	0	0	0	0	0	0	0	0
GEAAAERPGEAAVASsPSK	3	S26s	P30009	Myristoylated alanine-rich C-kinase substrate	0	0	0	0	0	0	0	0	0	0	0	0
RYsDFEWLR	2	S72s	Q5U211	Sorting nexin 3	0	0	0	0	0	0	0	0	0	0	0	0
ISDPLTSsPGR	2	S27s	P97310	minichromosome maintenance deficient 2 mitotin	0	0	0	0	0	0	0	0	0	0	0	0
RIsDPLTSSPGR	2	S21s	P97310	minichromosome maintenance deficient 2 mitotin	0	0	1.1E+08	0	0	0	0	0	0	0	0	0
EGIARSPPEVsEVETDLGAVPDLLR	3	S981s	Q5U1Z0	Rab3 GTPase-activating protein non-catalytic subunit	0	0	0	0	0	0	0	0	0	0	0	0
DRPVSQPSLVGsKEEPPPSR	3	S172s	Q9JIH7	Serine/threonine-protein kinase WNK1	0	0	6.5E+08	9.1E+08	1.2E+09	0	0	0	0	0	0	0
GGEDGSGSPHsPPHLCSK	2	S1776s	Q9JIH7	Serine/threonine-protein kinase WNK1	2.6E+08	4E+07	2.8E+08	7E+08	3.1E+08	2.3E+08	0	0	0	0	0	0
KEKPELAEPSHLNGPSsDLEAAFLSR	4	S1756s	Q9JIH7	Serine/threonine-protein kinase WNK1	0	0	0	0	0	0	0	0	0	0	0	0
SIsNPPGSNLR	2	S2367s	Q9JIH7	Serine/threonine-protein kinase WNK1	4.7E+07	1E+08	1E+08	1.8E+07	9.8E+07	0	0	0	0	0	0	0
VDsTTCLFPVEEK	2	S258s	P47856	Glucosamine--fructose-6-phosphate aminotransferase [isomerizing] 1	3.7E+07	0	2.4E+09	2.5E+09	0	4.1E+08	0	9.7E+07	0	0	0	0
GLLSQGsPLSWEETQR	3	S7s	P19468	Glutamate--cysteine ligase catalytic subunit	0	0	0	0	0	0	0	0	0	0	0	0
ETSATPFSPGAsNR	2	S247s	Q5XIF0	Tex264 protein	0	0	0	0	0	0	0	0	0	0	0	0
EDALDDSVSSSSVHASPLAsSPVR	3	S2087s	Q9ERU9	Ran-binding protein 2	0	0	0	0	0	0	0	0	0	0	0	0
EDALDDSVSSSSVHASPLASsPVRK	3	S2088s	Q9ERU9	Ran-binding protein 2	0	0	1.3E+08	0	0	0	0	0	0	0	0	0
TPsPLALEDTAELSSPPLSPTVK	3	S169s	Q4QQV6	Lymphocyte specific 1	0	0	0	0	0	0	0	0	0	0	0	0
ANRTEENVSDGsPNAGTVEQTPK	3	S178s	O08769	P27 kip1	2.6E+08	0	6.5E+07	1.2E+08	0	0	0	0	0	0	0	0
TEENVSDGsPNAGTVEQTPK	2	S178s	O08769	P27 kip1	0	0	0	4.9E+08	1.1E+08	0	0	0	0	0	0	0
DHGDLAFVDVPNDsPFQIVK	3	S62s	P07824	Arginase-1	0	0	0	0	0	2.2E+08	0	0	0	0	0	0
VQGEAVSNIQENTQTPTVQEEsEEEEVDETGVEVK	3	S2138s	P70670	Nascent polypeptide-associated complex subunit alpha, muscle-specific form	0	0	2.1E+09	0	6.2E+09	6.6E+09	0	0	0	0	0	0
ANDQDsLISGILR	2	S32s	Q4TVN0	TBC1 domain family member 15	0	0	4.2E+07	3.3E+07	3.4E+07	0	0	0	0	0	0	0
SLSQsFENLLDEPAYGLIQK	3	S205s	Q4TVN0	TBC1 domain family member 15	0	3.2E+07	8.7E+07	5E+07	0	2.6E+08	0	0	0	0	0	0
DTGDTILsSPSSVALPQVK	2	S286s*	P06536	Glucocorticoid receptor	0	2.1E+08	0	1.5E+08	2.4E+08	0	0	0	0	0	0	0
IKDTGDTILSsPSSVALPQVK	3	S287s*	P06536	Glucocorticoid receptor	0	0	9.3E+07	0	5.5E+08	0	0	0	0	0	0	0
IGFPETAEEELEEIAsENSDSIYSSTPEVK	3	S335s	Q5XIG8	Serine/threonine kinase receptor associated protein	0	0	4.2E+08	0	0	3.7E+08	0	0	0	0	0	0
TPRDsPGIPPSAGAHQLFR	3	S352s	P18653	Ribosomal protein S6 kinase alpha-1	0	0	0	0	0	0	0	0	0	0	0	0
INSsGKESPGSSEFFQEAVSHGK	3	S483s	Q32P49	Mesoderm induction early response 1, isoform b	0	0	2.4E+08	0	2.9E+08	1.2E+08	0	0	0	0	0	0
LLDGNPLDGQAEVFGsDDDHIQFVQK	3	S246s	Q3TXI1	influenza virus NS1A binding protein,	0	0	8.4E+08	0	0	0	0	0	0	0	0	0
WAsSREETGAPVEDSPGQAK	3	S99s	O35314	Secretogranin-1 precursor	0	0	0	0	0	0	0	0	8.2E+07	0	6.5E+07	7.8E+07
LSENSGDENMSDVTFDSLPSsPSSATPHSQK	3	S395s	O08796	Elongation factor 2 kinase	0	2.4E+08	2.4E+08	0	0	0	0	0	0	0	0	0
tECGSTGSPASSFHFK	2	T66t	O08796	Elongation factor 2 kinase	0	0	0	2.4E+08	0	0	0	0	0	0	0	0
ENLPSISTYPQsASYPNSDR	3	S226s	Q5XIM8	Lipin 1	0	0	0	0	9.9E+07	0	0	0	0	0	0	0
sANQSPQSVGSSGIDSGVESTSDSLR	3	S468s	Q5XIM8	Lipin 1	0	4.2E+08	5.2E+08	0	0	0	0	0	0	0	0	0
LSLPGLLSQVsPR	2	S486s	Q920R0	Alsin	0	3.4E+07	0	0	2.6E+07	0	0	0	0	0	0	0
RLsLPGLLSQVsPR	3	S477s S486s	Q920R0	Alsin	0	0	0	8.3E+07	0	0	0	0	0	0	0	0
SEsPEPGYVVTSSGLLLPVLLPR	2	S1458s	Q920R0	Alsin	0	3.8E+08	0	2.8E+07	0	0	0	0	0	0	0	0
ELNQESSGTAPGSEVTVKQEPAsPK	3	S736s	Q9WUI9	Nuclear receptor coactivator 2	5.5E+07	0	8.3E+07	2.1E+08	0	0	0	0	0	0	0	0
MNSPSQSSPGLNPGQPsSVLSPR	3	S483s	Q9WUI9	Nuclear receptor coactivator 2	0	0	6.4E+07	0	0	0	0	0	0	0	0	0
RNVPQEESLEDsDVDADFK	3	S60s	O35344	Importin alpha-3 subunit	0	0	0	0	8E+07	0	0	0	0	0	0	0
DVNNFDQDFTREEPILtLVDEAIVK	3	T710t	P09216	Protein kinase C epsilon type	0	0	0	0	0	0	0	6.4E+08	8.9E+08	0	5.1E+08	6.9E+07
DPLsPFAVGGEDLDPFGCQR	2	S189s	Q5XIU5	Proteasome inhibitor PI31 subunit	0	9E+07	0	0	0	0	0	0	0	0	0	0
LSsPPREFPPATAR	3	S153s	Q5XIU5	Proteasome inhibitor PI31 subunit	3.8E+07	0	0	0	0	0	0	0	0	0	0	0
QSCLHPFTEDDAVDPNDsDLDPESR	3	S1236s	Q80ZB2	ATP-binding cassette 1	0	0	0	0	0	0	0	0	0	0	0	2.3E+08
TQsSSCEDLPSTTQPK	2	S297s	Q3UW92	Cask protein	0	0	0	0	0	0	0	1.5E+08	5.3E+07	0	0	9.7E+07
TNGsVDLGEEEEAAR	2	S57s	Q5BK33	P55 protein	0	0	0	0	0	0	0	0	0	0	0	0

VPSDSSLGTPDGRPELR	2	S296s	Q6P744	Thyroid hormone receptor interactor 10	4.7E+08	8.1E+08	1E+09	5.7E+08	3.7E+08	1E+09	0	4.3E+07	0	0	0	0
QNLSGAAAGEALIGAPGFPQHGDTGSVEGAPQPtDNtF	3	T154t T157t	Q3KRD6	Xylosyltransferase II	0	0	0	0	0	0	0	0	2.1E+09	0	0	0
GSEDYPDPPLPHSYSsDR	3	S1114s	O35413	Sorbin and SH3 domain-containing protein 2	0	0	0	0	0	0	0	0	0	0	0	0
VQsSPNLLAAGR	2	S27s	O35413	Sorbin and SH3 domain-containing protein 2	3.9E+07	0	1.6E+07	0	0	0	0	0	0	0	0	0
sYDVPPPPMEPDHPFYSNISK	3	S117s	P25113	Phosphoglycerate mutase 1	0	8.3E+07	0	1.6E+08	0	0	0	0	0	0	0	0
VPsGLFDTNNR	2	S1036s	Q3U2K9	weakly similar to C-MYC promoter-binding protein IRLB	7.8E+07	6.2E+07	5.2E+07	0	0	5.1E+08	0	0	0	0	0	0
REDSVsEVTVEDSGESLEDLMAR	3	S382s	Q5M7A4	Ubiquitin-activating enzyme E1 domain-containing protein 1	0	8.8E+07	0	0	0	0	0	0	0	0	0	0
SKsEASLLQLLSGTTTSVSPPAPSR	3	S905s	Q6RFZ7	Neuronal RhoA GEF protein	0	1.8E+07	0	0	0	0	0	0	0	0	0	0
SLsLPALRPSGAGTPVLER	3	S202s	Q6RFZ7	Neuronal RhoA GEF protein	0	0	4.7E+07	0	0	0	0	0	0	0	0	0
NLGsINTELQDVQR	2	S136s	O08547	Vesicle-trafficking protein SEC22b	0	0	0	0	0	0	0	5.4E+08	9.2E+08	2.5E+07	8.5E+08	2.7E+08
sCSQEKIPEDGSLNTTK	3	S551s	P38438	TGF-beta receptor type-2 precursor	0	0	0	0	0	0	0	1.5E+08	2.8E+07	7.9E+07	1.3E+08	2.8E+07
SVSTPsEAGSQDSGDGAVGSR	2	S97s	Q62871	Cytoplasmic dynein 1 intermediate chain 2	0	0	0	0	0	0	0	0	0	0	0	0
SGYSsPGSPGTPGSR	2	S509s	P19332	Microtubule-associated protein tau	0	0	0	0	0	0	0	0	0	0	0	0
TDHGAEIVYKsPVVSGDtSPR	3	T713t S706s	P19332	Microtubule-associated protein tau	0	2.3E+08	0	0	0	0	0	0	0	0	0	0
IEGGTGNAAAQQNsLEQLEPDYFK	3	S86s	Q5PQP2	Receptor-binding cancer antigen expressed on SiSo cells	0	0	0	0	0	0	0	3E+08	0	0	8E+07	0
KLsGDQITLPTTVDYSSVPK	2	S36s	Q5PQP2	Receptor-binding cancer antigen expressed on SiSo cells	0	0	0	0	0	0	0	9.3E+08	2.1E+08	0	7.2E+08	5.5E+08
RSsLPNGEGLQLK	2	S111s	Q3UD05	Protein phosphatase 1H	3.8E+07	0	4.8E+07	0	0	0	0	0	0	0	0	0
SsLPNGEGLQLK	2	S111s	Q3UD05	Protein phosphatase 1H	7.1E+07	0	0	0	0	3E+07	0	0	0	0	0	0
TYsDEASQLR	2	S180s	Q3UM85	Rab11 family-interacting protein 5	0	0	0	0	0	0	0	0	0	0	0	0
SIQPYQIPLAGPAAVTNQsPVPCK	3	S329s	Q5PPI8	Similar to RIKEN cDNA 2400010D15	0	0	0	0	0	0	0	0	0	0	0	0
ASGDYDNDCtNPITPLCTQPDQVIK	3	T343t	Q8BH57	WD repeat protein 48	0	0	0	0	0	0	0	1.6E+08	0	0	1.3E+08	0
GIHNFRAsGDYDNDCTNPITPLCTQPDQVIK	4	S335s	Q8BH57	WD repeat protein 48	0	0	0	0	0	0	0	6.7E+07	0	0	0	0
ANSIGSTSASSVPNTDDEDSDyQQESYK	3	Y63y	Q2I1Z0	Max-like factor protein	0	0	0	0	0	3.4E+08	0	0	0	0	0	0
sLSLGDKEISR	2	S1065s	Q9JKC9	AP1 subunit gamma-binding protein 1	9.1E+07	0	0	0	0	0	0	0	0	0	0	0
VSALAGPSsDDENEEESKPEKEDEPQEDAK	3	S632s	Q3U5E1	E3 ligase for inhibin receptor homolog	0	0	2.5E+08	0	0	5.2E+08	0	0	0	0	0	0
RAsLSDLTHLEDIEGLTVR	3	S239s	Q8CIN9	Rififylin	0	0	0	0	0	0	0	0	0	0	0	7.3E+07
VLTPTQVMNRPsSISWDGLDPGK	3	S50s	P31044	Phosphatidylethanolamine-binding protein 1	4.3E+08	0	0	0	0	0	0	0	0	0	0	0
tPSSEEISPTKFPGLYR	2	T27t	Q5FVT1	RalA-binding protein 1	1.3E+08	2.7E+08	6.6E+08	1.5E+09	4.8E+08	1.2E+08	0	0	0	0	0	0
GLMAGGRPEGQYsEDEDtDTEEYR	3	T440t S435s	Q3TIR3	Synembryn-A	0	0	2.3E+08	0	0	0	0	0	0	0	0	0
sVPNTPLRPNQQSVFNSSFSELFVK	3	S324s	Q811I5	Trip11 protein	0	2.6E+07	0	0	0	0	0	0	0	0	0	0
TEPASEEQEPAEDTDQARLsADYEK	3	S245s	Q5QD49	A kinase anchoring protein 12 gamma	0	0	0	0	2.9E+08	0	0	0	0	0	0	0
RAsDGGANIQLHAQQLLK	3	S493s	Q6P4S6	Serine/threonine-protein kinase SIK3	0	1.6E+08	6.1E+07	0	2.5E+07	0	0	0	0	0	0	0
tWCGSPPYAAPELFEGK	2	T163t	Q6P4S6	Serine/threonine-protein kinase SIK3	0	0	0	0	7.1E+07	0	0	0	0	0	0	0
EAGsVNGDPVLSGTK	2	S238s	Q5I034	Hypothetical protein RGD1311899	0	0	8.7E+07	0	0	0	0	0	0	0	0	0
VLsPPKLNEANSDTSR	2	S257s	Q9CT10	Ran-binding protein 3	0	9E+08	3.3E+08	1.3E+08	1.9E+09	2.5E+09	0	0	0	0	0	0
EEDCHsPTSKPPKPDQPLK	3	S459s	Q5RKG9	Eukaryotic translation initiation factor 4B	0	0	0	0	0	0	0	0	0	0	0	0
DsPPPEGLGTHQLPYSEPK	3	S841s*	Q148V8	Protein FAM83H	0	0	0	0	0	1.9E+08	0	0	0	0	0	0
KGsPTPAYPER	2	S882s	Q148V8	Protein FAM83H	0	0	0	0	0	0	0	0	0	0	0	0
RGsPVPPVPER	2	S948s	Q148V8	Protein FAM83H	0	5.8E+07	0	0	4.7E+07	0	0	0	0	0	0	0
SLSPQGRDsPPPEGLGTHQLPYSEPK	3	S841s	Q148V8	Protein FAM83H	0	1.6E+08	1.7E+08	0	2.8E+08	0	0	0	0	0	0	0
DADVSEEsPPPLPER	2	S673s	P35831	Tyrosine-protein phosphatase non-receptor type 12	0	0	0	5.7E+08	0	0	0	0	0	0	0	0
IYASSsPPDTGQR	2	S196s	O54950	5'-AMP-activated protein kinase subunit gamma-1	0	0	0	0	0	0	0	0	0	0	0	0
KVDSPFsSGSPSR	2	S68s	O54950	5'-AMP-activated protein kinase subunit gamma-1	0	0	0	3.2E+08	0	0	0	0	0	0	0	0
GTSRPGtPSAEAASTSSTLR	3	T389t	Q3THK3	General transcription factor IIF, polypeptide 1	0	2.9E+08	9.5E+07	0	1.4E+07	0	0	0	0	0	0	0
LIDSSGSAsVLTHSSSGNSLK	3	S209s	Q5FWX7	Oxysterol-binding protein	0	0	0	3.3E+07	0	0	0	0	0	0	0	0
NSVLSDPGLDSPQtSPVILAR	3	T271t	Q9ES67	Rho guanine nucleotide exchange factor 11	2.5E+07	0	0	4.1E+08	5.6E+07	0	0	0	0	0	0	0
SLGGEsSGGTTPVGSFHTEAAR	3	S1462s	Q9ES67	Rho guanine nucleotide exchange factor 11	1.2E+08	0	9.8E+07	7.3E+07	0	0	0	0	0	0	0	0
KAsPEPPDSAESALK	2	S526s	Q3U483	Interferon regulatory factor 2-binding protein-like	8.1E+08	2.9E+09	1.8E+09	3.6E+09	9.4E+08	1.9E+09	0	0	0	0	0	0
NsSSPVSPASVPGQR	2	S636s	Q3U483	Interferon regulatory factor 2-binding protein-like	0	8.5E+08	3.4E+08	1.2E+08	8E+08	0	0	0	0	0	0	0
TTPPESAPQNGPSPMAALMSVADTLGTAHsPK	3	S618s	Q3U483	Interferon regulatory factor 2-binding protein-like	0	2.8E+08	0	0	0	0	0	0	0	0	0	0
CsVSLSNVEAR	2	S727s	P50393	Cytosolic phospholipase A2	8E+07	8.7E+07	0	0	0	0	0	0	0	0	8.3E+07	3.4E+07
DFsPQDSFDDDELDAAVADPDEFER	3	S511s	P50393	Cytosolic phospholipase A2	0	0	0	0	0	0	0	0	0	0	0	0
QNPsRCSVSLSNVEAR	3	S724s	P50393	Cytosolic phospholipase A2	0	0	9.3E+07	0	0	0	0	0	0	0	0	0
sLQNVHEEVISR	2	S46s	Q8VHT6	Arsenite methyltransferase	7.7E+07	1.8E+08	0	0	2.4E+08	0	0	0	0	0	0	0
KtPESFLGPNAALVDLDSLVSRPGPTPPGAK	4	T469t	O88339	Epsin-1	0	0	0	4.2E+07	0	0	0	0	0	0	0	0
TALPtSGSSTGELELLAGEVPAR	2	T415t	O88339	Epsin-1	0	0	0	0	9.9E+07	0	0	0	0	0	0	0
tPESFLGPNAALVDLDSLVSRPGPTPPGAK	3	T469t	O88339	Epsin-1	0	3.6E+08	0	0	0	0	0	0	0	0	0	0
GRTWtLCGTPEYLAPEIILSK	3	T197t	P68181	cAMP-dependent protein kinase, beta-catalytic subunit	2.5E+08	0	0	0	0	0	0	0	0	0	0	0
TWtLCGTPEYLAPEIILSK	2	T197t	P68181	cAMP-dependent protein kinase, beta-catalytic subunit	0	9.2E+08	2.3E+08	0	1.1E+08	0	0	0	3.8E+07	0	0	4.4E+07
NVPEsSPHSPCEGLPPEAALTPRPEGK	3	S1090s	Q3UHH1	2310021P13Rik protein	1.3E+08	1.9E+08	0	0	3.5E+08	0	0	0	0	0	0	0
ISStPPESPVASYGPSTPLHVPVPR	2	T18t	Q3KRD1	Hypothetical protein LOC312777	0	0	0	0	0	0	0	0	0	0	0	0
STsQGSINSPVYSR	2	S136s	Q3KR72	Actin-binding LIM protein 1	0	6.8E+07	0	3.2E+07	3.9E+07	0	0	0	0	0	0	2.8E+07
tLSPTPSAEGFQDGR	2	T113t	Q3KR72	Actin-binding LIM protein 1	1.4E+08	0	0	0	0	0	0	0	2.6E+07	0	0	4.1E+07
ETTSHNSLTtPCYTPYYVAPEVLGPEK	3	T208t	P49138	MAP kinase-activated protein kinase 2	0	0	3.4E+07	0	0	0	0	0	0	0	0	0
NVALVAGDTGNATGLGQQGPTGGTNVGPAPGsKEE	3	S559s	Q62894	Extracellular matrix protein 1 precursor	0	0	7.4E+07	0	0	0	0	0	0	0	0	0
TNPsPTNPFSSDAQK	2	S635s	Q2LC84	Numb isoform i/i	0	0	0	0	0	0	0	9E+08	5.2E+08	0	4.5E+08	5.9E+08
sLDGAAAAESTDR	2	S543s	P48193	Protein 4.1	0	0	0	0	0	0	0	6.2E+07	8.4E+07	0	6.1E+07	8E+07
ASGQAFELILsPR	2	S24s	P13668	Stathmin	0	0	0	0	0	2E+07	0	0	0	0	0	0
ESVPEFPLsPPK	2	S37s	P13668	Stathmin	0	0	0	0	0	1.1E+08	0	0	0	0	0	0
RAsGQAFELILSPR	2	S15s	P13668	Stathmin	0	3.2E+07	1.4E+08	0	7.9E+07	0	0	0	0	0	0	0
SKESVPEFPLsPPK	2	S37s	P13668	Stathmin	0	1.1E+08	2.6E+08	5.6E+08	7.3E+07	3E+08	0	0	0	0	0	0
DFQDIQQLDsEENDHQLIGDEEQGSHVQNLR	3	S13s	P08290	Asialoglycoprotein receptor 2	0	0	0	0	0	0	0	1.3E+09	0	0	0	0
TYFSHIDVsPGSAQVK	2	S49s	P01946	Hemoglobin subunit alpha-1/2	0	1.9E+08	2.6E+08	0	1.8E+08	0	0	0	0	0	0	0

APTPGGGHPDSPGLPAPAGGQQR	3	T306t	O35430	Amyloid beta A4 precursor protein-binding family A member 1	4.7E+07	0	9.4E+07	2.8E+07	0	0	0	0	0	0	0
AEEQLPPLLSPPsPSTPHSR	3	S297s	Q9ERE6	Myosin phosphatase Rho-interacting protein	0	0	0	1.9E+08	0	0	0	0	0	0	0
AKDQPDGTSLsPVQSPSQSQPPAACTPR	3	S226s	Q9ERE6	Myosin phosphatase Rho-interacting protein	0	0	0	8.3E+07	0	0	0	0	0	0	0
DFASETPTAPLSDACPLsPHR	3	S369s	Q9ERE6	Myosin phosphatase Rho-interacting protein	0	0	0	2.6E+07	0	0	0	0	0	0	0
NGYGFVEFEDsRDADDAVYELNSK	3	S45s	Q3TWW8	splicing factor, arginine/serine-rich 6,	0	0	3.6E+08	0	0	0	0	0	0	0	0
SHsPLPAPPSK	2	S303s	Q3TWW8	splicing factor, arginine/serine-rich 6,	0	9066442	0	2.1E+08	0	0	0	0	0	0	0
sVIDPIPAPVGDSNVDSGAK	2	S197s	Q64303	Serine/threonine-protein kinase PAK 2	0	0	0	0	0	0	0	4.4E+07	0	0	0
YLsFTPPEK	2	S141s	Q64303	Serine/threonine-protein kinase PAK 2	0	0	0	0	0	0	0	0	0	0	0
YLsFTPPEKDGFPSGTPALNTK	3	S141s	Q64303	Serine/threonine-protein kinase PAK 2	0	9E+08	5.1E+07	0	1.8E+09	0	0	0	0	0	0
RSAsPDDDLGSSNWEAADLGNEER	2	S17s	Q9R0P4	Sid2057p	0	1.7E+09	0	0	0	0	0	0	0	0	0
SAsPDDDLGSSNWEAADLGNEER	2	S17s	Q9R0P4	Sid2057p	0	2.3E+09	1.2E+09	0	1.8E+09	0	0	0	0	0	0
sASPDDDLGSSNWEAADLGNEERK	3	S15s	Q9R0P4	Sid2057p	0	0	0	2E+08	0	0	0	0	0	0	0
EPFsDEDEDDNDDVEPISEFR	2	S95s	Q04753	Methylosome subunit pICln	0	0	2.7E+08	0	0	0	0	0	0	0	0
FGEESKEPFsDEDEDDNDDVEPISEFR	3	S95s	Q04753	Methylosome subunit pICln	0	0	8.7E+08	0	0	0	0	0	0	0	0
LGEESKEPLsDEDEEDNDDVEPISEFR	3	S100s	Q04753	Methylosome subunit pICln	0	0	0	0	8.5E+07	0	0	0	0	0	0
sSYLDEDQVIEYR	2	S1817s	P41413	Proprotein convertase subtilisin/kexin type 5 precursor	0	0	0	0	0	0	0	0	0	6E+07	0	3.9E+08
HQDGLPYIDDsPSSSPHLSSK	3	S250s	Q6PAJ1	Bcr protein	0	0	0	0	0	2E+08	0	0	0	0	0	0
RHQDGLPYIDDsPSSSPHLSSK	4	S250s	Q6PAJ1	Bcr protein	0	0	0	0	7.5E+07	1.4E+08	0	0	0	0	0	0
ASPsPQPSSQPLQINR	2	S146s	Q3UMY5	echinoderm microtubule associated protein like 4,	0	5.7E+07	2E+08	4.9E+07	1.7E+08	0	0	0	0	0	0	0
AItPPQQPYK	2	T688t	Q3MJK5	Cyclin-dependent kinase 12 isoform	0	0	0	0	1.1E+08	0	0	0	0	0	0	0
HLLTDLPLPPELPGGDPsPPDSPEPK	3	S677s	Q3MJK5	Cyclin-dependent kinase 12 isoform	0	0	0	0	1.5E+08	0	0	0	0	0	0	0
NSsPAPPQPAPVK	2	S1079s	Q3MJK5	Cyclin-dependent kinase 12 isoform	0	0	0	0	0	0	0	0	0	0	0	0
ILDAtDQESLELKPTSR	3	T973t	Q8BHU7	Dyslexia-associated protein KIAA0319-like protein	0	0	0	0	0	0	0	1.4E+08	0	0	0	0
DRsSSAPNVHINTIEPVNIDDLIR	3	S296s	Q9JJU6	B-Raf protein	0	2.3E+08	0	0	0	1E+08	0	0	0	0	0	0
GDGGSTTGLsATPPASLPGSLTNVK	2	S332s	Q9JJU6	B-Raf protein	0	7.5E+08	1.5E+08	6.5E+07	5.2E+08	0	0	0	0	0	0	0
sSSAPNVHINTIEPVNIDDLIR	2	S296s	Q9JJU6	B-Raf protein	6.3E+07	3.7E+08	1.4E+08	1.8E+08	4.4E+07	9.6E+08	0	0	0	0	0	0
LDtFCGSPPYAAPELFQGK	2	T211t	Q8VHF0	MAP/microtubule affinity-regulating kinase 3	0	0	0	0	0	0	0	0	0	0	0	0
VPVAsPSAHNISSSSGAPDR	2	S512s	Q8VHF0	MAP/microtubule affinity-regulating kinase 3	0	1.8E+08	0	0	0	0	0	0	0	0	0	0
QGsPVPTCGPLTDEDVVR	2	S267s	Q3KRC5	tRNA-dihydrouridine synthase 3-like	1.4E+08	2.9E+08	2.4E+08	6.1E+08	1.6E+08	2.4E+08	0	0	0	0	0	0
TPVsPVKFSPGDFWGR	2	S447s	P67999	Ribosomal protein S6 kinase beta-1	6E+08	1.4E+08	4.3E+08	1.1E+08	9E+07	0	0	0	0	0	0	0
sVSENSLVAMDFSGQK	2	S368s	O88900	Growth factor receptor-bound protein 14	0	5.6E+07	0	0	0	0	0	0	0	0	0	0
GAYCDLsSEEEEKAGNESLGVVYK	3	S84s	Q14B01	Ring finger protein 113A2	0	6.2E+08	0	0	0	0	0	0	0	0	0	0
YGVYEDENYEVEsDDEEIPFK	3	S253s	Q14B01	Ring finger protein 113A2	0	0	0	0	0	1.2E+08	0	0	0	0	0	0
MEMSSKTTPGsR	3	S11s	Q8CI95	Oxysterol-binding protein-related protein 11	0	8.9E+07	0	0	0	0	0	0	0	0	0	0
SFsLASSGNSPISQR	2	S179s	Q8CI95	Oxysterol-binding protein-related protein 11	0	2.6E+07	1.4E+08	5.2E+07	5.5E+07	5E+07	0	0	0	0	1.7E+08	0
VsESEGKLEGLATAVTPNK	3	S13s	Q8CI95	Oxysterol-binding protein-related protein 11	3.1E+07	0	9.9E+07	2.3E+08	0	0	0	0	0	0	0	0
VFDKDGNGYIsAAELR	2	S101s	P62161	Calmodulin	7.3E+07	0	0	1.9E+08	0	0	0	0	0	0	0	0
RKPDQtLDEDDPGAAPLK	3	T357t	P26453	Basigin precursor	0	0	0	0	0	0	0	3.9E+08	0	0	3.6E+08	3.1E+08
RSsSNESFSSNQSADSAPDEETLALR	3	S73s	Q3TA40	hypothetical protein,	5.6E+08	0	1.2E+09	0	1.7E+09	7.9E+08	0	0	0	0	0	0
CsSPVDMDHSNAEGGQSPGPEK	3	S745s	Q8R3Q2	SAPS domain family member 2	9.1E+07	7.3E+07	4.3E+07	0	1.4E+08	0	0	0	0	0	0	0
RVGTEGLVDsFSQGLER	3	S289s	Q8R3Q2	SAPS domain family member 2	0	0	0	2.8E+07	0	0	0	0	0	0	0	0
NSPMAQtPPCHLPNIPGVTSPGALMEDSK	3	T70t	Q497A9	Eukaryotic translation initiation factor 4E binding protein 2	0	6.8E+07	0	0	0	0	0	0	0	0	0	0
TVAISDAAQLPQDYCTtPGGTLFSTtPGGTR	3	T37t T46t	Q497A9	Eukaryotic translation initiation factor 4E binding protein 2	0	0	0	0	0	0	0	0	0	0	0	0
GGSGsHNWGTVKDELTESPK	3	S215s	Q3UMP4	Plasminogen activator inhibitor 1 RNA-binding protein	0	0	0	0	0	0	0	0	0	0	0	0
NYQQNYQNSEsGEKNEGSESAPEGQAQQR	3	S164s	Q62764	DNA-binding protein A	0	0	0	0	0	0	0	4.8E+08	2.6E+08	2.9E+07	4E+08	2.1E+08
sPAASGAPQAPAPAALLAGSPGGDAAPGPAPASSAPAC	4	S33s	Q62764	DNA-binding protein A	0	0	0	0	0	0	0	0	0	0	0	0
GQAATPETPQPsPPSGSGSESYK	3	S427s	P22449	Hepatocyte nuclear factor 4-alpha	0	0	0	0	0	0	0	0	0	0	0	0
YQVQsQENFEPFMK	2	S11s*	P02692	Fatty acid-binding protein, liver	0	0	0	1.3E+09	7.1E+07	0	0	0	0	0	0	0
QSILPPPQsPAPIPFQR	3	S204s	Q99K30	Epidermal growth factor receptor kinase substrate 8-like protein 2	0	0	0	0	0	0	0	0	0	0	0	0
APKPEPVPEPKEPsPEK	3	S260s	Q52KI8	Serine/arginine repetitive matrix protein 1	2.6E+08	0	0	1.5E+08	0	1.1E+08	0	0	0	0	0	0
EKsPELPEPSVR	2	S220s*	Q52KI8	Serine/arginine repetitive matrix protein 1	0	1.6E+09	1.6E+09	4.8E+08	1.8E+09	1.1E+09	0	0	0	0	0	0
KEtESEAEDDNLDDLER	3	T913t	Q52KI8	Serine/arginine repetitive matrix protein 1	0	0	0	0	1.8E+08	0	0	0	0	0	0	0
EEDVRPNAAsPSLNPGSQESDLSR	3	S632s	Q6TLK4	CIN85-associated multi-domain containing RhoGAP 1	0	0	1.6E+08	2.8E+08	5.8E+08	2.9E+08	0	0	0	0	0	0
TAsPPGPPQYSK	2	S625s	P54258	Atrophin-1	0	2.3E+08	0	2.1E+07	1.7E+08	0	0	0	0	0	0	0
TAtPPGYKPGsPPSFR	2	T646t S654s	P54258	Atrophin-1	0	0	0	0	2.7E+08	0	0	0	0	0	0	0
TEELPRPQSPsDLDSLDGR	2	S102s	P54258	Atrophin-1	0	0	0	3.7E+08	0	0	0	0	0	0	0	0
sLEPAENVHGAGGAFPASQTPSKPASADGHR	4	S11s	Q6AXQ3	Proto-oncogene tyrosine-protein kinase Yes	0	0	0	0	0	0	0	0	0	0	0	0
IYQFPDCDsDEDEDFKLQDQALK	3	S211s	Q5I0G8	Sept4 protein	0	0	2E+08	0	1.4E+09	3.4E+08	0	8.2E+08	0	0	3.3E+08	0
LtRESGTDFPIPAVPPGTDPETEK	3	T315t	Q5I0G8	Sept4 protein	0	0	0	0	7.8E+08	0	0	1.6E+08	1.7E+08	0	4.5E+07	8.6E+07
YVESDDEKPtDENVNEK	2	T98t	Q61687	Transcriptional regulator ATRX	0	1.6E+08	0	0	0	0	0	0	0	0	0	0
GDPQQQSITHIAIPQEAYNAVHVSGsPTALAAVK	4	S346s	Q3UA37	Glutamine-rich protein 1	0	0	0	0	0	0	0	0	0	0	0	0
sLPVSVPVWAFK	2	S184s	Q9D1F4	Proline-rich AKT1 substrate 1	1.3E+09	9.2E+08	2.3E+08	5.1E+08	1.5E+09	1.9E+07	0	0	0	0	0	0
tEARSSDEENGPPSSPDLDR	3	T199t	Q9D1F4	Proline-rich AKT1 substrate 1	4.4E+08	0	5.2E+08	0	0	1.4E+08	0	0	0	0	0	0
SAtPPPTEPASLPQEPPKPR	2	T227t	Q6AY21	Ras-GTPase-activating protein-binding protein 2	0	0	0	2E+08	0	0	0	5.2E+07	0	4.7E+07	0	2.8E+08
GGEATWSGSEFEIsFPDSPGSQAQVDHLPR	3	S371s	O35254	Golgi reassembly-stacking protein 1	0	8.9E+08	0	0	0	0	0	3.7E+08	0	0	0	0
EEAPAsPLRPLYPQISPLK	3	S197s	P42128	Forkhead box protein K1	4.7E+08	0	0	0	0	0	0	0	0	0	0	0
EGsPIPHDPDLGSK	2	S429s	P42128	Forkhead box protein K1	1E+09	3.8E+08	2E+09	1.5E+09	0	0	0	0	0	0	0	0
SLVSPIPSPTGtISVPNSCPASPR	3	T231t	P42128	Forkhead box protein K1	0	1E+08	0	0	7.2E+07	0	0	0	0	0	0	0
LKsEDELRPDVDEHTQK	3	S656s	O54916	RalBP1-associated Eps domain-containing protein 1	0	0	3.1E+08	0	0	4.5E+08	0	0	0	0	0	0
sQSGILDGEAATWSAPGEESR	2	S1420s	P49816	tuberous sclerosis 2,	0	0	2E+08	0	0	0	0	0	0	0	0	0
SSSsPELQTLQDILGDLGDK	2	S1390s	P49816	tuberous sclerosis 2,	0	0	0	8.9E+08	1.8E+08	1.3E+08	0	0	0	0	0	0
SSsSPELQTLQDILGDLGDKTDIGR	3	S1389s	P49816	tuberous sclerosis 2,	0	0	0	0	0	0	0	0	0	0	0	0
NAWNPSGEAIsPGELYHR	3	S458s	Q4KLN1	HIRA interacting protein 3	0	0	0	0	0	0	0	0	0	0	0	0

TGSLGSSNGDSGTEREVSDSQAGQNTK	3	S302s	Q4KLN1	HIRA interacting protein 3	5.6E+07	0	0	0	0	0	0	0	0	0	0	0
QVVsVVQDEESGLPFEAGSEPPSPASPDNVTELR	3	S271s	Q3MHT9	Niban-like protein,	0	0	7.3E+08	0	0	4.5E+08	0	0	0	0	0	0
KDSSQtPAVPAPDLEPIPSTSR	3	T1574t	O55164	Multiple PDZ domain protein	0	0	2.3E+08	4.4E+08	1.7E+08	8.9E+07	0	0	0	0	0	0
RPSQSsQVSESSLSSFSLPR	3	S1805s	O55164	Multiple PDZ domain protein	0	1.8E+07	0	0	0	0	0	0	0	0	0	0
KtSDPDVILCNSVELIR	2	T155t	Q7TPE5	Solute carrier family 7, member 6 opposite strand	0	8.2E+07	3.4E+08	2.3E+08	7.7E+07	3.6E+07	0	0	0	0	0	0
GsDIDNPTLTVTDISPPSR	2	S331s	Q61083	Mitogen-activated protein kinase kinase kinase 2	3.3E+07	0	0	0	0	0	0	0	0	0	0	0
HLSVSSQNPGRSsPPPGYVPER	3	S176s	Q61083	Mitogen-activated protein kinase kinase kinase 2	0	0	3.4E+07	2.3E+07	0	0	0	0	0	0	0	0
RGsDIDNPTLTVTDISPPSR	2	S331s	Q61083	Mitogen-activated protein kinase kinase kinase 2	3.6E+08	1.1E+09	9.3E+08	1.5E+09	1.3E+09	1.1E+09	0	0	0	0	0	0
sSPPPGYVPER	2	S175s	Q61083	Mitogen-activated protein kinase kinase kinase 2	0	0	0	0	0	0	0	0	0	0	0	0
KtASFGNILDVPEIVISGNGQPR	3	T415t	Q923A8	Map3k7 protein	2.8E+08	6.4E+07	8.6E+08	0	0	0	0	0	0	0	0	0
sIQDLTVTGTEPGQVSSR	2	S439s	Q923A8	Map3k7 protein	0	0	1.3E+08	1.7E+08	3.7E+08	3E+08	0	0	0	0	0	0
tASFGNILDVPEIVISGNGQPR	3	T415t	Q923A8	Map3k7 protein	0	1.4E+08	0	0	0	0	0	0	0	0	0	0
KVEEEQEADEEDVsEEETENR	3	S245s	Q52KJ9	Thioredoxin domain containing 1	0	0	0	0	0	0	0	9.2E+08	6.6E+08	0	6.7E+08	3.5E+08
VEEEQEADEEDVsEEETENR	3	S245s	Q52KJ9	Thioredoxin domain containing 1	0	0	0	0	0	0	0	0	0	0	2.8E+08	0
RPYGsPEGQDTMTHNSLR	3	S388s	Q6P6V1	Polypeptide N-acetylgalactosaminyltransferase 11	0	0	0	0	0	0	0	4.4E+07	0	0	1.7E+07	0
SsSELGMIFNER	2	S95s	Q6P6V1	Polypeptide N-acetylgalactosaminyltransferase 11	0	0	0	0	0	0	0	0	1.2E+08	0	0	0
AFDsDSEPDAVPYQEGPR	2	S348s	Q9JHK1	Caspase-9 long isoform	9.3E+07	0	0	0	0	0	0	0	0	0	0	0
SsSSGSDDYAYTQALLLHQR	3	S509s	Q571K4	Mitogen-activated protein kinase kinase kinase 7-interacting protein 3	0	0	0	0	0	0	0	0	0	0	0	0
TLVHSsSDGHIDPQHTAGK	3	S102s	Q571K4	Mitogen-activated protein kinase kinase kinase 7-interacting protein 3	5.4E+07	4.1E+07	0	1.3E+08	5.8E+07	0	0	0	0	0	0	0
KQQQLEEEAAKPPEPEKPVsPPPIESK	4	S215s	Q9WU42	Nuclear receptor corepressor 2	0	0	0	0	1.3E+08	0	0	0	0	0	0	0
QQQLEEEAAKPPEPEKPVsPPPIESK	3	S215s	Q9WU42	Nuclear receptor corepressor 2	0	0	0	2E+08	0	0	0	0	0	0	0	0
sPSFASEWDEIEK	2	S676s	P59672	Ankyrin repeat and SAM domain-containing protein 1A	0	8.1E+08	0	0	7.3E+08	0	0	0	0	0	0	0
RAtISSPLELEGTVSR	2	T66t	Q66H43	Hypothetical protein LOC497934	0	0	0	0	0	0	0	0	4.5E+08	2.6E+08	0	7.8E+08
INHTVILDDPFDDPPDLLIPDRsPEPTK	3	S178s	Q9CSN5	Peptidyl-prolyl cis-trans isomerase-like 4	0	0	4.1E+08	0	0	0	0	0	0	0	0	0
AAHTEDINACTLTTsPR	3	S642s	P11345	RAF proto-oncogene serine/threonine-protein kinase	0	0	0	0	0	0	0	0	0	0	0	0
SHSESASPSALSSSPNNLsPTGWSQPK	3	S301s	P11345	RAF proto-oncogene serine/threonine-protein kinase	0	0	0	0	9.1E+08	0	0	0	0	0	0	0
STsTPNVHMVSTTLPVDSR	2	S259s	P11345	RAF proto-oncogene serine/threonine-protein kinase	0	0	0	1.7E+09	0	0	0	0	0	0	0	0
RMStEGGEELPVSVLDEVTIK	3	T189t	Q9JHX4	Caspase-8	0	1.7E+08	5.1E+08	0	0	0	0	0	0	0	0	0
LGNVPQLNLDKsPTEK	3	S135s	Q9QYM2	Poly(ADP-ribose) glycohydrolase	0	0	4.2E+07	4.8E+07	0	6.8E+07	0	0	0	0	0	0
GLPSNNsLDFLDEEYEVPDLDVTR	3	S900s	Q01062	cGMP-dependent 3',5'-cyclic phosphodiesterase	0	8.8E+07	9.8E+08	0	0	9E+08	0	0	0	0	0	0
TDVPLsSAEEAECHWADTELNR	3	S247s	Q5XIN7	Protein O-linked-mannose beta-1,2-N-acetylglucosaminyltransferase 1	0	0	0	0	0	0	0	0	0	0	5.8E+08	0
DSLPSGPREEAKPAsPSSVQDR	3	S449s	Q571D7	Melanoma inhibitory activity protein 3	0	0	0	0	0	0	0	7.8E+07	7.2E+07	1.7E+07	5.9E+07	0
ATTPPNQGRPDsPVYANLQELK	3	S238s	Q8C0D4	Rho-GTPase-activating protein 12	0	0	0	0	5.4E+08	0	0	0	0	0	0	0
LKsVEDEMDSPGEEPFYTGQGR	3	S280s	P09414	Nuclear factor 1 A-type	3.6E+08	0	0	0	0	0	0	0	0	0	0	0
sPGSGSQSSGWHEVEPGMPSPTTLK	3	S300s	P09414	Nuclear factor 1 A-type	0	0	8.7E+07	0	0	0	0	0	0	0	0	0
RTSsLDTITGPYLTGQWPR	3	S163s	Q8K3I9	Testhymin	2.9E+08	0	6.3E+07	0	0	0	0	0	0	0	0	0
SAsWGSADQLK	2	S214s	Q8K3I9	Testhymin	0	0	0	0	0	0	0	0	0	0	0	0
VPCNVEGIsPELEK	2	S293s	Q8K3I9	Testhymin	0	7.8E+08	0	0	0	0	0	0	0	0	0	0
DAPTsPASVASSSSTPSSK	2	S285s	Q08122	Transducin-like enhancer protein 3	6.1E+08	8.5E+08	6.1E+08	6.6E+08	8.5E+08	5.9E+08	0	0	0	0	0	0
ERESSTNNSVsPSESLR	3	S202s	Q08122	Transducin-like enhancer protein 3	0	0	0	4E+07	5.5E+07	0	0	0	0	0	0	0
ESSTNNSVsPSESLR	2	S202s	Q08122	Transducin-like enhancer protein 3	0	6.6E+07	0	0	4.4E+07	0	0	0	0	0	0	0
HIPAALPVSGTLSSsNPDLLQSHHR	4	S600s	Q6NXI4	Rapgef2 protein	0	0	0	1.2E+08	0	0	0	0	0	0	0	0
QAEDTISNASSQLsSPPTSPQSSPR	3	S1129s	Q6NXI4	Rapgef2 protein	0	0	0	8.2E+07	0	0	0	0	0	0	0	0
AVtPVPTKTEEVSNLK	2	T328t	Q3UU34	hypothetical RNA-binding protein Lupus Lal/Cytochrome b5 containing protein	5.1E+08	0	0	5E+08	5.5E+08	0	0	0	0	0	0	0
sLPTTVPESPNYR	2	S568s	Q3UU34	hypothetical RNA-binding protein Lupus Lal/Cytochrome b5 containing protein	0	0	0	0	0	0	0	0	0	0	2.2E+07	0
tASISSSPSEGTPAVGSYGCTPQSLPK	3	T114t	Q3UU34	hypothetical RNA-binding protein Lupus Lal/Cytochrome b5 containing protein	0	0	0	0	0	0	0	0	0	0	0	0
KLsPALDVASDNHFK	3	S310s	Q63187	Transcription elongation factor B polypeptide 3	9.3E+07	2E+08	1.3E+08	0	0	2.4E+08	0	0	0	0	0	0
REsVVNLENFK	2	S144s	Q5BJN2	Death-associated kinase 2	0	0	0	0	0	0	0	0	0	0	0	0
IGDPPQALPEEPMEVQGAERtSPEPQR	3	T977t	Q498N5	HLA-B-associated transcript 3, isoform 1	0	9.7E+07	0	0	0	0	0	0	0	0	0	0
TSPEPQREDAsPAPGTTAEEAMSR	3	S987s	Q498N5	HLA-B-associated transcript 3, isoform 1	0	1.7E+08	2.2E+08	8.6E+08	8.2E+08	0	0	0	0	0	0	0
VKsWVEENR	2	S9s	P46953	3-hydroxyanthranilate 3,4-dioxygenase	9.4E+08	1.4E+09	3.9E+08	0	9.1E+08	4.6E+08	0	0	0	0	0	0
RGsGDTSSLIDPDTSLSELR	2	S133s	Q4V7E8	Leucine-rich repeat flightless-interacting protein 2	3.6E+08	1.3E+09	1.1E+09	0	7.6E+07	5E+08	0	1.4E+08	1E+08	0	1.3E+08	8.4E+07
APVVLQPEQIVsEEETPPPLLTK	2	S353s	Q80TU6	MKIAA0670 protein	0	0	0	0	2.7E+08	3E+08	0	0	0	0	0	0
TAQVPsPPR	2	S931s	Q80TU6	MKIAA0670 protein	0	0	0	0	0	0	0	0	0	0	0	0
SNGDLtPKGEGESPPVNGADEAAGATGDAIEPAPPSQE	3	T40t	Q9EPH2	MARCKS-related protein	0	0	0	1.4E+09	0	0	0	0	0	0	0	0
AGGGRPsSPSPSVVSEK	2	S88s	Q62717	Calcium-dependent secretion activator 1	0	3.2E+07	0	0	0	0	0	0	0	0	0	0
SQNSAFLDLGDENEIQLsK	3	S360s	Q62717	Calcium-dependent secretion activator 1	7.6E+08	5.6E+08	0	0	0	0	0	0	0	0	0	0
LSYLGsPPLR	2	S364s	Q9QZC5	Growth factor receptor binding protein GRB7	0	0	0	2.5E+07	0	0	0	0	0	0	0	0
VDNLTYRTsPDTLR	3	S25s	Q62093	Splicing factor, arginine/serine-rich 2	0	1.5E+08	3.5E+08	0	0	2E+08	0	0	0	0	0	0
SSsCESLGAQLPAAR	2	S6s	Q9Z2D1	Myotubularin-related protein 2	6.6E+07	2.8E+08	0	1E+09	0	0	0	0	0	0	0	0
APSPFAELVLPPTtP	2	T475t	Q5FVR2	Endothelial cell growth factor 1	0	0	0	0	0	0	0	0	0	0	0	0
IKTEPSsPLSDPSDIIR	2	S435s	Q3UM76	Mammary gland RCB-0526 Jyg-MC	5.1E+08	4.1E+08	2.5E+08	0	0	0	0	0	0	0	0	0
SFsASQSTDREEASPVTEVR	3	S411s	Q3UM76	Mammary gland RCB-0526 Jyg-MC	0	0	1.5E+08	0	0	0	0	0	0	0	0	0
TEPsSPLSDPSDIIR	2	S434s	Q3UM76	Mammary gland RCB-0526 Jyg-MC	0	2.3E+08	1.1E+08	2.1E+08	0	2E+08	0	0	0	0	0	0
SsGSLSPGLETEDPLEAR	2	S560s	P58871	182 kDa tankyrase 1-binding protein	2.1E+09	0	2E+08	2.4E+09	8.1E+08	4.4E+07	0	0	0	0	0	0
VPsSDEEVVEEPQSR	2	S800s	P58871	182 kDa tankyrase 1-binding protein	5.8E+08	4.1E+08	0	6.7E+08	5.7E+08	0	0	0	0	0	0	0
TPtPEPAEVETR	2	T433t	Q3SWT7	Nuclear receptor binding protein	1.2E+08	4.6E+08	3.7E+08	9.6E+08	4.4E+08	4.3E+08	0	0	0	0	0	0
TPtPEPAEVETRK	3	T433t	Q3SWT7	Nuclear receptor binding protein	4.8E+07	0	0	0	0	0	0	0	0	0	0	0
EKFPEFCSSPsPPVEVK	3	S500s	Q7TPD0	Ints3 protein	0	0	6.3E+07	1.3E+08	0	0	0	0	0	0	0	0
FPEFCSSPsPPVEVK	2	S500s	Q7TPD0	Ints3 protein	0	0	0	5.9E+07	0	0	0	0	0	0	0	0
DAPIsPASVASSSSTPSSK	2	S260s	Q07141	Transducin-like enhancer protein 4	0	1.3E+09	0	0	1.5E+09	1.2E+07	0	0	0	0	0	0
KDAPIsPASVASSSSTPSSK	3	S260s	Q07141	Transducin-like enhancer protein 4	0	1.3E+07	0	0	0	0	0	0	0	0	0	0
SSSVsPSASFR	2	S176s	Q07141	Transducin-like enhancer protein 4	0	7.6E+07	0	0	0	0	0	0	0	0	0	0

LISPTGGRMsVFQTQLPTLGVGALKPR	3	S632s	Q3U2P1	Protein transport protein Sec24A	0	0	0	0	0	0	0	0	0	0	0	0
ANVtPQSSSELRPtTTAALGSGQEAK	3	T886t T896t	Q91UZ1	Phospholipase C beta 4	0	0	0	0	0	0	0	4.1E+07	0	0	8E+07	0
EIEQEETLSAPsPSPSPSSK	3	S184s	P11862	Growth-arrest-specific protein 2	0	0	0	0	0	0	0	0	0	0	0	0
StGNLLDDAVK	2	T199t	P11862	Growth-arrest-specific protein 2	0	0	0	0	0	0	0	0	0	0	0	0
EVPESETPVDTNLIELDtNDDDIVFEDFAR	3	T381t	P29066	Beta-arrestin-1	0	0	7.5E+08	0	0	8.4E+08	0	5.8E+08	0	0	3E+08	2.2E+08
KSYESSEDCPEAASsPTR	3	S385s	Q3TSG4	Alkylated repair protein alkB homolog 5	0	0	0	0	0	0	0	0	0	0	0	0
sESPPAELPSLR	2	S310s	Q8K051	Trip12 protein	8.4E+07	0	7.5E+07	0	1.1E+08	0	0	0	0	0	0	0
SAtFPNAGPR	2	T368t	Q7TPZ6	Ralgps2 protein	0	4.4E+07	0	0	0	0	0	0	0	0	0	0
sFDAVVFDVLK	2	S37s	Q7TPZ6	Ralgps2 protein	0	0	4.6E+07	0	3.6E+07	0	0	0	0	0	0	0
RLtPPFNPNVEGPADLK	2	T306t	Q3UW73	serum/glucocorticoid regulated kinase 2,	0	0	0	3.6E+07	0	0	0	0	0	0	0	0
TGDLGIPPNPEDRsPsPEPIYNSEGK	3	S80s S82s	Q3UI45	zinc finger protein 162,	0	0	1.4E+08	0	0	3.4E+08	0	0	0	0	0	0
AGRPRsEEDNELNLPNLAAAYSSILR	3	S51s	P22288	GTP cyclohydrolase I precursor	0	0	5.3E+07	0	0	0	0	0	0	0	0	0
KEsAPQVLLPEEEK	2	S560s	O55043	Rho guanine nucleotide exchange factor 7	0	3.7E+08	1.1E+08	0	0	0	0	0	0	0	0	0
KPsDEEFAVR	2	S516s	O55043	Rho guanine nucleotide exchange factor 7	0	0	0	0	0	0	0	0	0	0	0	0
IHRSSsSEEASQELEsDDG	3	S285s S295s	Q3UAR0	PTB-containing, cubilin and LRP1-interacting protein	0	0	0	0	0	0	0	0	1.2E+08	0	0	0
RVALGDGVQLPPGDYStTPGGTLFSTtPGGTR	3	T35t T45t	Q3TII9	eukaryotic translation initiation factor 4E binding protein 1,	1.4E+08	4.4E+07	2.9E+08	0	0	0	0	0	0	0	0	0
VALGDGVQLPPGDYSTTPGGTLFSTtPGGTR	3	T45t	Q3TII9	eukaryotic translation initiation factor 4E binding protein 1,	0	0	0	0	0	0	0	0	0	0	0	0
sMPVLGSVSSVTK	2	S561s	Q5DTW5	Shootin-1	0	6.6E+07	0	0	0	0	0	0	0	0	0	0
YPAPSSSSSSSSSSSSSsPSSVNYSESNSTDSTK	3	S415s	Q69ZJ1	Ran-binding protein 10	0	2.5E+08	9.3E+07	0	2E+08	0	0	0	0	0	0	0
QEPLGSDsEGVNCLAYDEAIMAQQDR	3	S18s	Q7TQI3	Ubiquitin thioesterase protein OTUB1	0	0	0	0	0	4.1E+08	0	0	0	0	0	0
AKGDsPVNGLLK	2	S368s	Q5I0H5	Cyclin-L2	0	0	5E+07	4E+07	4.5E+07	0	0	0	0	0	0	0
GLLPPGSAPGLDSATAGFSPAPKPEsPK	3	S337s	Q5I0H5	Cyclin-L2	0	0	0	1E+08	0	0	0	0	0	0	0	0
FKVDLsPYPTISHINK	3	S181s	Q9WVL0	Maleylacetoacetate isomerase	0	2.2E+07	0	0	0	0	0	0	0	0	0	0
sWESSSPVDRPELEAASPTTR	3	S353s	Q80YV2	Nuclear-interacting partner of ALK	0	0	0	0	0	9.6E+07	0	0	0	0	0	0
TRsWESSSPVDRPELEAASPTTR	3	S353s	Q80YV2	Nuclear-interacting partner of ALK	1.7E+08	2.3E+08	3.6E+08	3.4E+07	1.5E+08	2.1E+08	0	0	0	0	0	0
sSSLGDLLR	2	S393s	Q3TCY2	Pleckstrin homology domain-containing family O member 2	0	8E+08	0	3.5E+08	0	0	0	0	9.8E+07	0	0	6.1E+07
RPsGGKPEPDDAPPVTGAVELSSPEAPEAPSLAPK	4	S1307s	O55207	Synaptojanin-2	0	1.1E+08	2.5E+08	0	4.4E+08	0	0	0	0	0	0	0
SAsDASISSGTHGQYSILQTAK	3	S1139s	O55207	Synaptojanin-2	2.3E+07	3.6E+08	0	0	0	0	0	0	0	0	0	0
LsPASPELILDHDR	2	S43s	Q6AY97	Coiled-coil domain-containing protein 91	0	4E+08	0	0	5.9E+07	7.7E+07	0	0	0	0	0	0
SDAVISsPDDTRADSSLVNQTISK	3	S71s	Q6AY97	Coiled-coil domain-containing protein 91	0	0	0	0	0	0	0	0	0	0	0	0
CHsDPPNPHLIIPTPEGFR	3	S1102s	Q8K4X6	Mitogen-activated protein kinase kinase kinase 4	3.3E+07	0	0	0	0	0	0	0	0	0	0	0
HSsPTEERDEPAYPR	2	S1145s	Q8K4X6	Mitogen-activated protein kinase kinase kinase 4	0	8.9E+07	0	0	0	0	0	0	0	0	0	0
SAYQDYDsDSDVPEELKR	3	S119s	Q5BJX6	Ccdc132 protein	0	0	0	0	0	4.1E+08	0	0	0	0	0	0
KDsVPQVLLPEEEK	2	S680s	Q5XXR3	Rho guanine nucleotide exchange factor 6	5.8E+07	2.3E+08	0	7.2E+07	0	0	0	0	0	0	0	0
SSSLSATTSSQtNPQAAVPSTTPEQQSEEK	3	T133t	Q5XXR3	Rho guanine nucleotide exchange factor 6	0	2.2E+08	0	0	0	0	0	0	0	0	0	0
VETPPLSAsPPQQRPPGPGTGDSAQTLPSLR	3	S189s	Q3B8N7	Leucine zipper protein Thg-1pit	0	0	3E+08	0	0	0	0	0	0	0	0	0
VEVESGGLAAGtPPLSR	2	T223t	Q3B8N7	Leucine zipper protein Thg-1pit	0	2.9E+08	0	0	0	0	0	0	0	0	0	0
VCKILGsGIYSSsVLHGMVFK	4	S209s S215s	P42932	T-complex protein 1 subunit theta	0	0	2.4E+08	0	0	0	0	0	0	0	0	0
KtGSYGALAEITASK	3	T443t	Q10728	Protein phosphatase 1 regulatory subunit 12A	0	2E+07	0	0	0	0	0	0	0	0	0	0
AALLAQYADVtDEEDEADEKADPGASTANIGSDK	3	T137t	Q5BK07	Coiled-coil domain-containing protein 43	0	1.4E+08	1.9E+09	0	0	0	0	0	0	0	0	0
KAALLAQYADVtDEEDEADEK	3	T137t	Q5BK07	Coiled-coil domain-containing protein 43	0	0	0	0	2.7E+08	0	0	0	0	0	0	0
RStSPHDVDLCLVSPCEFSHR	4	T238t	Q3TSD6	Microtubule-associated protein 1S	0	0	0	4.6E+07	0	0	0	0	0	0	0	0
StSPHDVDLCLVSPCEFSHR	3	T238t	Q3TSD6	Microtubule-associated protein 1S	0	0	9.7E+07	0	0	0	0	0	0	0	0	0
sDSELELRPLEPSPLR	2	S217s	Q5EBA5	Lipin 3	0	0	3.8E+08	0	0	1.7E+08	0	0	0	0	0	0
QNsDPTSEGPGPSPNPPSWVRPDNEAPPK	3	S497s	Q5SXF9	Mitogen-activated protein kinase kinase kinase kinase 6	0	1.8E+08	1E+08	1.6E+08	0	0	0	0	0	0	0	0
SDSVLPASHGHLPQAGsLER	3	S619s	Q5SXF9	Mitogen-activated protein kinase kinase kinase kinase 6	1.4E+08	0	2.1E+08	0	9.2E+07	0	0	5.1E+07	0	0	0	2.7E+07
GQESEyGNITYPPALR	2	Y538y	P81718	Tyrosine-protein phosphatase non-receptor type 6	1.2E+08	1.2E+08	1.5E+08	0	0	0	0	0	0	0	0	0
ASsLGEIDDSSELR	2	S447s	O08874	Serine/threonine-protein kinase N2	9.3E+08	7.6E+08	0	8.5E+08	0	4.4E+08	0	0	0	0	0	0
sKSEYELNIPDSSR	2	S484s	O08874	Serine/threonine-protein kinase N2	0	0	0	0	0	0	0	0	0	0	0	0
TNsAETVESEKHEALSGPEK	3	S16s	Q5BJQ2	NF-E2 inducible protein,	0	0	0	0	0	0	0	0	0	0	0	0
NGPLNEsQEEEEDSEQGSNLNR	3	S324s	Q53UA7	Serine/threonine-protein kinase TAO3	0	4.2E+07	0	0	0	0	0	0	0	0	0	0
sQEIEELER	2	S18s	Q6PEE2	CBP80/20-dependent translation initiation factor	4.8E+07	0	0	0	0	0	0	0	0	0	0	0
KLSSNCSGVEGDVtDEDEGAEMSQR	3	T585t	Q3U4E2	phospholipase C-like 2,	0	1.5E+08	0	0	0	0	0	0	0	0	0	0
RVsSDLQHATAQLSLEHR	3	S534s	P70459	ETS domain-containing transcription factor ERF	0	0	0	1.1E+08	0	0	0	0	0	0	0	0
KPENPSEsDTEEPTICGSTQDDFHMK	3	S508s	Q7TP01	Bq135360	0	3.7E+08	0	0	2E+08	0	0	0	0	0	0	0
AIEPQKEEADENYNsVNTR	3	S117s	Q08850	Syntaxin-4	0	0	0	0	0	0	0	0	0	0	0	0
ASLQSGQEGPGDsPGSQFSK	3	S113s	Q9ES26	Forkhead protein FKHR	0	0	0	0	0	0	0	0	0	0	0	0
ELLtSDSPPHNDIMSPVDPGVAQPNSR	3	T293t	Q9ES26	Forkhead protein FKHR	0	0	0	0	2.2E+08	0	0	0	0	0	0	0
AGFQTEDFSLYACAsPK	3	S312s	P28028	tripartite motif protein 24,	0	0	0	0	0	0	0	0	0	0	0	0
RDSsDDWEIPDGQITVGQR	2	S9s	P28028	tripartite motif protein 24,	0	0	1.2E+09	6.6E+08	3.9E+08	1.9E+09	0	0	0	0	0	0
TKsWGEQCTETPDANSR	3	S209s	P42335	Inositol-trisphosphate 3-kinase B	0	0	0	0	0	0	0	0	0	0	0	0
RKPSVPDTAsPADDSFVDPGER	3	S27s	Q8BH99	Non-catalytic region of tyrosine kinase adaptor protein 1	0	0	8.4E+08	0	9.9E+07	1.1E+09	0	2.4E+08	8.6E+07	2.5E+07	1.5E+08	7.3E+07
APVHFVEPLsPTGVPGHR	3	S687s	Q8CBV3	Calmodulin-regulated spectrin-associated protein 1	0	0	0	7.3E+07	0	0	0	0	0	0	0	0
TsPQAPGLVASIR	2	S178s	Q8CBV3	Calmodulin-regulated spectrin-associated protein 1	0	5.4E+07	0	0	6.9E+07	0	0	0	0	0	0	0
DPNAsPGDAGEQAIR	2	S289s	Q64727	Vinculin	0	6.3E+07	5.4E+07	7.4E+07	9.2E+07	8.8E+07	0	0	0	0	0	0
GWLRDPNAsPGDAGEQAIR	3	S289s	Q64727	Vinculin	6.1E+07	8.7E+07	1.1E+08	0	1.3E+08	0	0	0	0	0	0	0
TQEISRPNsPSEGEGESSDSR	2	S678s	Q62901	Arginine-glutamic acid dipeptide repeats protein	6.9E+07	7.1E+07	7.1E+07	1.5E+08	2.2E+08	7.5E+07	0	0	0	0	0	0
NGEAEVSPtAGAEAVSGGGSGTGATPGAPLCCTLCR	3	T461t	Q8BJC9	Interferon regulatory factor 2-binding protein 1	7.2E+07	0	0	0	2E+08	1.2E+08	0	0	0	0	0	0
NVAEALGHsPKDPGGGGGSVR	3	S417s	Q8BJC9	Interferon regulatory factor 2-binding protein 1	7.5E+08	7.3E+08	0	0	0	1.8E+08	0	0	0	0	0	0
LIPPVGSPGSStPLPPDGTGPNSTPNNR	3	T296t	Q9D219	B-cell lymphoma 9 protein	0	1.9E+08	0	2.3E+08	0	0	0	0	0	0	0	0
HATRHsPQQEEENTIFK	4	S47s	P97431	Interferon regulatory factor 6	0	0	0	0	0	0	0	0	0	0	0	0
YQDEVFGGFVTEPQEEsEEEVEEPEER	3	S149s	P97855	Ras-GTPase-activating protein-binding protein 1	0	0	0	0	0	0	0	0	0	0	0	0
DYEIENQNPLAsPTNTLLGSAK	3	S626s	Q5F2E7	Nuclear fragile X mental retardation-interacting protein 2	0	0	0	0	0	0	0	0	0	0	0	4.7E+07

SKEPSSPGTDDVFTPGPSDSPGSQR	3	S790s	P26431	Sodium/hydrogen exchanger 1	1.6E+08	0	0	0	2E+08	1.1E+08	0	5.3E+08	0	1.2E+08	1.2E+08	2.8E+08
tRSPDVISSASTALSQDIPEIASEALSR	3	T732t	Q3ZAV8	Enhancer of mRNA-decapping protein 4	0	6.8E+08	0	0	1.9E+08	0	0	0	0	0	0	0
KVPEPsPVTR	2	S1241s	Q9QXL2	Kinesin family member 21A	0	0	0	0	0	0	0	0	0	0	0	0
RPDPDsDEDEDYERER	3	S155s	Q6AY02	RNA binding motif protein 17	0	0	0	0	0	0	0	0	0	0	0	0
NSDsNLLSLDGLDNEVK	2	S275s	Q8BJI6	hypothetical Tetratricopeptide repeat	0	0	0	0	0	1.7E+09	0	0	0	0	0	0
RtQSSGQDGRPQEELHAEDLQK	4	T552t	Q3MID5	Phosphatidylinositol-4-phosphate 5-kinase, type I, gamma	0	0	0	0	0	0	0	0	0	3.7E+07	0	0
TQsSGQDGRPQEELHAEDLQK	3	S554s	Q3MID5	Phosphatidylinositol-4-phosphate 5-kinase, type I, gamma	0	1.1E+08	0	0	0	0	0	0	0	0	0	0
GGGGGGGNNGGNGGAsGPSGGGGSGGPRTAsR	2	S69s S84s	Q3U3E2	similar to ALS2CR13 protein	0	0	0	0	0	0	0	7.5E+08	0	0	0	0
TSPtVATQTGASVTSTR	2	T104t	Q3U3E2	similar to ALS2CR13 protein	0	0	2E+07	0	4.5E+07	0	0	0	0	0	0	0
HLsTSDDEPLSSVSHAAK	3	S27s*	Q5U2Z5	Cap-specific mRNA (nucleoside-2'-O-)-methyltransferase 1	6.3E+08	0	9.7E+08	0	9.3E+08	2.4E+08	0	0	0	0	0	0
GRsPQPPAEEDEDDFDDTLVAIDTYNCDLHFK	3	S195s	Q8VDM6	Heterogeneous nuclear ribonucleoprotein U-like protein 1	0	7.9E+07	4E+08	0	0	0	0	0	0	0	0	0
sPQPPAEEDEDDFDDTLVAIDTYNCDLHFK	3	S195s	Q8VDM6	Heterogeneous nuclear ribonucleoprotein U-like protein 1	0	0	0	0	0	1.6E+08	0	0	0	0	0	0
DSsESQLASTESDKPTTGR	2	S67s	Q8BH50	Uncharacterized protein C18orf25 homolog	6.2E+07	1.9E+08	4.9E+07	3.7E+08	0	1E+08	0	0	0	0	0	0
RDSSESQLAStESDKPTTGR	2	T74t	Q8BH50	Uncharacterized protein C18orf25 homolog	0	2.7E+08	0	2.7E+08	2.3E+08	1.3E+08	0	0	0	0	0	0
QGsFTIDKPSSNIPIELIPHINK	3	S789s	Q91Y79	KARP-1-binding protein 1	3.7E+08	1.6E+08	7.7E+07	0	0	0	0	0	0	0	0	0
QKsEEPSVSLPFLQTALLR	3	S403s	Q91Y79	KARP-1-binding protein 1	0	1.8E+08	0	3.4E+07	0	0	0	0	0	0	0	0
AKTPtPEPFDSETR	3	T168t	Q91V36	Nuclear receptor-binding protein 2	0	0	6.8E+07	0	1.8E+08	0	0	0	0	0	0	0
TVSNQHSTESQDNDQPDYDSVAsDEDTDVETR	3	S397s	Q66H91	G protein-coupled receptor kinase-interactor 2	0	0	1.1E+08	0	0	0	0	0	0	0	0	0
EGLRPGDTTsTFCGTPNYIAPEILR	3	S401s	Q3TJJ5	protein kinase C, iota	6.3E+07	0	8.9E+07	3.6E+08	7E+07	0	0	0	0	0	0	0
DAQSLsEDRGEDEPSSQPVTSQTVSK	3	S157s	Q5PQX1	Torsin-1A-interacting protein 1	0	0	0	0	0	0	0	2.8E+08	0	0	0	0
SGTSTPTTPGSTAITPGtPPSYSSR	3	T1611t	P15146	Microtubule-associated protein 2	0	0	0	0	0	0	0	0	0	0	0	0
VDHGAEIItQSPSR	2	T1814t	P15146	Microtubule-associated protein 2	0	1.2E+08	1.4E+08	1E+08	1.4E+08	0	0	0	0	0	0	0
KLEESASFESLSPSSRPDsPTR	4	S2473s	P70478	Adenomatous polyposis coli protein	0	0	6.9E+07	0	0	0	0	0	0	0	0	0
LEESASFESLSPSSRPDSPtR	3	T2475t	P70478	Adenomatous polyposis coli protein	0	0	2.6E+07	0	0	0	0	0	0	0	0	0
FGsPPQRDPNWIGDR	3	S262s	Q8K3X0	cancer susceptibility candidate 3,	0	0	0	0	0	0	0	0	2.1E+08	0	0	0
GTVTGERQsGDGQESTEPVENK	3	S145s	Q8K3X0	cancer susceptibility candidate 3,	0	0	0	0	0	0	0	0	0	0	0	0
QSNtFPFFSDGLAR	2	T293t	Q3UFW9	TBC1 domain family member 2A.	0	0	0	1E+08	0	0	0	0	0	0	0	0
GPENPQVEVLsEEEGEEEEEEEDILSLAEEK	3	S247s	Q6ZQ93	Ubiquitin carboxyl-terminal hydrolase 34	0	0	2.2E+08	0	0	2.3E+08	0	0	0	0	0	0
RPDAPAAsPPPPAAESGSAGHR	3	S48s	Q5M9G6	Smad nuclear interacting protein 1	7.6E+07	4.1E+08	1.3E+08	2.6E+08	1.7E+08	0	0	0	0	0	0	0
KVsVSESNVLLDEEVLTDPK	3	S2578s	P97526	Neurofibromin	0	0	1.9E+08	0	0	0	0	0	0	0	0	0
sFDHLISDTK	2	S2524s	P97526	Neurofibromin	0	0	0	0	0	0	0	0	0	0	0	0
AERNsTEALEVPLTR	3	S194s	Q4V889	Ring finger protein 12	3.6E+07	6.8E+07	0	0	1.1E+08	0	0	0	0	0	0	0
EALVSQPsSPGLLQSLLER	3	S896s	P41230	Jumonji/ARID domain-containing protein 1C	0	0	0	0	0	0	0	0	0	0	0	0
LLDLSDSTSVAsFPSADETDGNLPESR	3	S1105s	P70336	Rho-associated protein kinase 2	0	0	9.1E+08	0	5.1E+08	0	0	0	0	0	0	0
TLSVAAAFNEDEDsEPEEMPPEAK	3	S105s	Q3KQH9	PEST proteolytic signal-containing nuclear protein	0	0	0	0	6.5E+08	0	0	0	0	0	0	0
AAQASLsALNDPSAVEQALQEK	3	S935s	O55147	Rattus norvegicus utrophin	0	0	0	0	1.1E+08	3.7E+07	0	0	0	0	0	0
DLENFVKWLQEAETtANVLADAsQR	3	T2452t* S2460s*	O55147	Rattus norvegicus utrophin	0	0	0	4E+08	0	1.2E+08	0	0	0	0	0	0
TGTGsPFAGNSPAR	2	S559s	Q6PAI8	BC057627 protein	0	0	0	0	0	0	0	0	0	0	0	0
TNPPTQKPPsPPVSGR	2	S178s	Q3TJ64	abl-interactor 1,	6E+07	6.6E+08	1.7E+08	1.6E+08	4.2E+08	9.7E+07	0	2.1E+08	0	1E+08	0	1.9E+08
LtPPPADLPLALPAHGLWSR	3	T434t	Q61127	NGFI-A-binding protein 2	0	0	1.7E+08	0	0	0	0	0	0	0	0	0
SPLELGEKLsPLPGGPGAGDPR	3	S171s	Q61127	NGFI-A-binding protein 2	0	0	1.5E+08	9.5E+07	1.3E+08	0	0	0	0	0	0	0
SCtSSPSPLNLSSAR	2	T680t	Q62947	Transcription factor 8	0	0	1.4E+08	0	9.8E+07	0	0	0	0	0	0	0
GSsQPNLSTSYSEQEYGK	2	S173s	Q505I9	Epsin 2, isoform b	7E+07	3.2E+08	3.3E+08	5.1E+08	3.4E+08	0	0	3.4E+07	0	0	0	0
TTsPDLFESQSLTSASSKPSSAR	3	S488s	Q505I9	Epsin 2, isoform b	1.1E+08	0	4.4E+07	0	0	0	0	0	0	0	0	0
LPAYLATsPIPTEDQFFK	2	S106s	Q3UWC4	lipin 2	0	0	0	0	0	0	0	0	0	0	0	0
sDSELEVKPSESLLR	2	S243s	Q3UWC4	lipin 2	0	5.1E+08	5.1E+08	0	0	4.6E+08	0	0	0	0	0	0
DNPsPEPQLDDIKR	3	S165s	Q9D4C5	ELL-associated factor 1	0	0	0	0	1.4E+08	0	0	0	0	0	0	0
TSPLKDNPsPEPQLDDIK	3	S165s	Q9D4C5	ELL-associated factor 1	0	0	0	0	0	0	0	0	0	0	0	0
SsPPLRTPDVLESSGPAVR	3	S682s	Q3U3M8	ribosomal protein S6 kinase, polypeptide 4	0	1.4E+08	0	5E+08	0	0	0	0	0	0	0	0
sQSSTSLEGQALETR	2	S386s	Q91Y80	SH3 domain-binding protein 5	6.4E+07	0	4.2E+08	0	0	0	0	6.9E+07	7.5E+07	0	1.5E+08	1.6E+08
RGSTTSIPsPQSDGGDPNQPDDR	3	S376s	Q8C525	Protein MB21D2	0	8.7E+07	1.1E+08	6.6E+07	0	5.4E+07	0	6.8E+07	8.6E+07	0	3.9E+07	5.5E+07
LPHISsHPLLQDLAAAR	3	S829s	Q3UH33	AW555464 protein	0	0	0	0	0	0	0	0	0	0	0	0
SQASPtDYVPFFNQDPSSCGEGR	2	T192t	Q5XIB1	Protein TSSC4	0	3.6E+08	3E+08	0	0	4.7E+08	0	0	0	0	0	0
HSQsLGCYPVELER	3	S1017s	Q9JK71	Scaffolding protein SLIPR	0	0	0	0	0	0	0	0	0	0	0	0
QPEDESPQAFSQSGsPR	3	S833s	Q9JK71	Scaffolding protein SLIPR	0	0	0	0	0	0	0	0	0	0	0	0
NWEDEDFYDsDDDTFLDR	2	S204s	O54716	Kanadaptin	0	0	0	0	0	1.2E+08	0	0	0	0	0	0
GHAGGQRPEPsSPDGPAPPTR	3	S295s	Q5D202	REM2	0	0	0	5.1E+07	0	0	0	0	0	0	0	0
QAsPSGTPTPEADTTLLK	2	S27s	Q5D202	REM2	1.5E+09	1.5E+08	1.7E+09	3.2E+09	9.4E+08	1.3E+09	0	0	0	0	0	0
sLSAPGNLLTK	2	S508s	O88831	Calcium/calmodulin-dependent protein kinase kinase 2	0	0	0	0	3.7E+07	0	0	0	0	0	0	0
VGDTEKPEPERsPPNR	3	S261s	Q3TQI7	Protein C9orf78 homolog	0	0	0	0	0	0	0	0	0	0	0	0
GEPNVsYICSR	2	S215s	P18266	Glycogen synthase kinase-3 beta	4.2E+08	1.3E+09	2.1E+08	6.1E+08	0	3.3E+07	0	2.5E+07	0	0	0	0
SStVTEAPIAVVTSR	2	T333t	Q148U2	Serine/threonine-protein kinase Nek9	0	0	0	0	0	8.2E+07	0	0	0	0	0	0
GAPASSsTPAEAELAGEGISVNTGPK	3	S41s	Q4V8L9	Phosducin-like protein	0	1.2E+08	0	0	0	0	0	0	0	0	0	0
STPEsGESDKESVGSSSLGNEGSR	3	S464s	Q8CFS0	Za20d1 protein	0	0	0	0	1.3E+08	6.5E+07	0	0	0	0	0	0
DSAsPSTSSFCLGVPVATSSHVPIQK	3	S96s	Q3TU30	cullin 4B	0	0	0	0	0	0	0	0	0	0	0	0
EDFDStSSSSTPPQPR	2	T82t	Q3TU30	cullin 4B	0	0	0	1.1E+08	9.7E+07	0	0	0	0	0	0	0
NEDGRDEPGQLsPGVQYQQR	3	S51s	O35832	Serine/threonine-protein kinase PCTAIRE-3	0	6.2E+08	0	8.3E+08	1.2E+09	0	0	0	0	0	0	0
LDHINFPVFEPsTPDPAPAK	3	S307s	Q8BS62	Protein SMG8	0	0	0	2E+07	0	0	0	0	0	0	0	0
AsNLEGLVFPGESSLAPGSyK	3	Y399y S381s	Q3UYU7	zinc finger CCCH type domain containing 5	0	0	0	0	0	4.4E+07	0	0	0	0	0	0
SHREPPsPADVPEK	3	S319s	Q3V3Q7	Pacs2 protein	0	0	0	0	0	0	0	0	0	0	0	0
SLsTSGESLYHVLGLDK	2	S10s	P60904	Dnajc5 protein	0	0	0	0	0	0	0	0	0	0	0	5.2E+07
NsFTPLSSSNTIR	2	S469s	P70265	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 2	0	0	0	4.5E+08	1.3E+09	3.8E+07	0	0	0	0	0	0
RNSFtPLSSSNTIR	3	T471t	P70265	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 2	0	3.4E+08	0	0	4.7E+08	0	0	0	0	0	0	0

RPTTPGPTPTtPPQPPDPSQPPPGPMQH	3	T110t	Q6MFY6	Protein phosphatase 1 regulatory subunit 11	0	3E+08	4.2E+08	1.2E+08	1.7E+08	0	0	0	0	0	0	0
KFQEQECPPsPEPTR	3	S186s	P62071	Ras-related protein R-Ras2	0	0	0	0	0	0	0	9.2E+07	6.7E+07	0	4.3E+07	6.3E+07
SLHtASPSHSAQVLPEYPPADVPAPDQTDSSGQK	4	T756t	Q4L1J4	Membrane associated guanylate kinase 1 b	0	0	1.3E+08	1.9E+08	0	0	0	0	0	0	0	0
sVNDLLDETTTFKPGHAR	3	S132s	Q8BM47	Pleckstrin homology domain-containing family M member 3	0	0	2.9E+07	0	0	0	0	0	0	0	0	0
ANsFVGTAQYVSPELLTEK	2	S244s	O55173	3-phosphoinositide-dependent protein kinase 1	5.3E+08	7.4E+08	5.1E+08	3.1E+09	2.5E+09	1.9E+08	0	0	0	0	0	0
DKFsPTQDRPESSTVLK	2	S202s	Q80U37	MKIAA0324 protein	0	0	6.1E+08	0	0	7.1E+07	0	0	0	0	0	0
SSsPVTELTAR	2	S119s	Q80U37	MKIAA0324 protein	2.2E+08	4.5E+08	9.7E+08	0	5.5E+08	8.3E+08	0	0	0	0	0	0
tCDSPQNPMDLISDPVPDSPFPR	3	T206t	Q3KR59	Ubiquitin specific protease 10	0	0	0	2.3E+07	0	0	0	0	0	0	0	0
sPLEPENVPSLLLK	2	S176s	Q3V3D5	zinc finger, CCHC domain containing 11	0	4.8E+07	0	5.7E+07	1.4E+08	0	0	0	0	0	0	0
TPRsPLEPENVPSLLLK	3	S176s	Q3V3D5	zinc finger, CCHC domain containing 11	3.6E+08	0	4E+08	0	0	0	0	0	0	0	0	0
sVDEVNYWDKQDHPISR	3	S343s	P11960	2-oxoisovalerate dehydrogenase subunit alpha, mitochondrial precursor	0	0	1.5E+08	0	0	0	0	0	0	0	0	0
EGINPGYDDYADsDEDQHDAYLER	3	S444s	Q04931	FACT complex subunit SSRP1	0	0	6E+08	0	0	0	0	0	0	0	0	0
TTVNNGtVLPKKPSASLPSPSGSR	3	T70t	Q4V8C3	Echinoderm microtubule associated protein like 1	0	0	0	1.6E+08	0	0	0	0	0	0	0	0
EASRPPEEPSAPsPTLPTQFK	3	S363s	Q3UK41	Wolf-Hirschhorn syndrome candidate 2	1.8E+08	0	4.1E+08	6.8E+08	1.5E+08	8E+07	0	0	0	0	0	0
AEEKsPVSINVK	3	S358s	Q52KE7	Cyclin-L1	0	0	0	2.8E+08	0	0	0	0	0	0	0	0
GLNLDGTPALSTLGGFSPASKPsSPR	3	S347s	Q52KE7	Cyclin-L1	0	2.5E+07	0	0	0	0	0	0	0	0	0	0
sYEDLTELEDR	2	S56s	Q6PDG8	Mon1a protein	0	8.7E+08	0	0	6.8E+07	0	0	7.9E+08	7.8E+08	0	0	5.3E+08
VISHDRDSPPPPPPPPPPPQPQPtLK	3	T150t	Q80TD6	Protein virilizer homolog	0	0	0	6.7E+08	8.8E+08	0	0	0	0	0	0	0
LGTGGGGsPDKSPSAQELK	2	S20s	Q3TYJ0	STIP1 homology and U-Box containing protein 1	0	0	0	0	0	0	0	2E+08	0	0	0	0
sGSIVELLAGGGSSCsPVLSR	3	S387s S402s	P51111	Huntingtin	0	0	0	0	0	0	0	0	0	0	0	0
AEEEECENDGVGGGLLCsYGTPPDSPGNLLSFPR	3	S319s	O88377	Phosphatidylinositol-4-phosphate 5-kinase type-2 beta	0	0	6.6E+08	6.7E+08	6.6E+08	0	0	0	0	0	0	0
GDLSQHATPLPTPAVLPGDsPITPTPEQIGK	3	S208s	Q5XI21	Target of Myb protein 1	0	0	0	0	1.6E+08	0	0	0	0	0	0	0
AAsSANLLLR	2	S176s	Q5U621	BC022146 protein	0	1.6E+08	0	0	2.4E+07	1E+08	0	0	0	0	0	0
GPPsPPAPVMHsPSR	3	S224s S232s	Q9CSN1	SNW domain-containing protein 1	0	4.5E+07	0	0	0	0	0	0	0	0	0	0
TNsDSELATEFANAIR	2	S889s	Q3TYX4	mutated in colorectal cancers,	0	0	9.3E+07	0	1.3E+08	0	0	0	0	0	0	0
FFHHADEEEEEEEEsPPER	3	S38s	Q4V8J1	Hypothetical protein LOC501194	0	6.4E+08	0	0	0	0	0	0	0	0	0	0
QPIVHFSDVSsDDDEDRLVIAT	3	S2677s	Q03172	Zinc finger protein 40	0	0	0	0	0	0	0	4E+08	0	0	0	0
TTAAHsLVGTPYYMSPER	3	S195s	Q9ES74	Serine/threonine-protein kinase Nek7	0	3.8E+07	0	0	0	0	0	0	0	0	0	0
VQLsSPGQLFTALER	3	S490s	P21139	Alpha-mannosidase 2C1	0	0	0	0	0	0	0	0	0	0	0	0
ASYSGTSPsHSFISGEPDR	3	S361s	Q8K1N2	Pleckstrin homology-like domain family B member 2	0	4.2E+07	0	0	0	0	0	0	0	0	0	0
RLsAGTTVADVQK	2	S465s	Q8K1N2	Pleckstrin homology-like domain family B member 2	1.3E+08	1.1E+08	1.7E+08	0	1.2E+08	0	0	0	0	0	0	0
FDIYDPFHPTDEAYsPPPAPEQK	3	S156s	Q63624	Splicing factor, arginine/serine-rich 19	5.3E+08	0	0	0	0	9.6E+08	0	0	0	0	0	0
SKsPASTSSVNGTPGSQLSTPR	3	S307s	Q3UGP0	double cortin and calcium/calmodulin-dependent protein kinase-like 1	0	0	5.6E+07	0	0	0	0	0	0	0	0	0
FSHNYLsDSDTEAK	2	S249s	Q3B8R3	LOC360570 protein	0	4E+08	4.7E+08	6.8E+08	3.7E+08	3.2E+08	0	0	0	0	0	0
SLAPDLsDDEHDPVDSISRPR	3	S228s	Q3B8R3	LOC360570 protein	0	0	7E+07	0	0	0	0	0	0	0	0	0
SPFNSPsPQDSPR	2	S339s	O70188	NF1-C2	0	6.3E+07	0	0	7.3E+07	0	0	0	0	0	0	0
TEMDKSPFNSPSPQDsPR	3	S343s	O70188	NF1-C2	6.9E+07	0	0	0	0	0	0	0	0	0	0	0
NKTStTSSVVASAEQPR	3	T20t	P50411	Protein phosphatase inhibitor 2	0	2.8E+07	2.9E+07	3.3E+07	0	0	0	0	0	0	0	0
DsSQEYTDSTGIDLHEFLVNTLK	3	S142s	Q148X5	R3hdm2 protein	7.8E+07	0	0	0	0	0	0	0	0	0	0	0
SAsTDLGTADVVLGR	2	S891s	Q148X5	R3hdm2 protein	5.4E+07	1.4E+08	1.4E+08	1.4E+08	1.2E+08	1.1E+08	0	0	0	0	0	0
ADRtSEEATVAAAICCR	3	T666t	P59996	Proprotein convertase subtilisin/kexin type 9 precursor	0	0	0	0	0	0	0	0	0	4.6E+07	0	0
HAFSPVASVESAsGEtLHSPK	3	T317t S314s	P29699	Alpha-2-HS-glycoprotein precursor	0	0	0	0	0	0	0	0	1.2E+09	0	0	0
VMHtQCHSTPDsAEDVR	3	T130t S138s	P29699	Alpha-2-HS-glycoprotein precursor	0	0	0	0	0	0	0	0	0	0	0	0
LLHEDLDEsDDDVDEK	3	S704s	Q3UH05	integrin beta 1 binding protein 1	0	0	0	0	0	4.2E+08	0	0	0	0	0	0
DGVANVsIEDRVISLSGEHSIIGR	3	S98s	P07632	Superoxide dismutase [Cu-Zn]	0	0	0	0	0	0	0	0	0	0	0	0
MVVsIAEDLLRtAAQNSR	3	T181t S173s	Q3TPS4	HEAT repeat-containing protein 5B	0	0	0	0	0	0	0	0	0	0	0	0
GCDsPDPDTSYVLTPHTEEK	3	S98s	Q2MJT0	Myocyte-specific enhancer factor 2A	0	0	0	0	5.7E+08	5.6E+08	0	0	0	0	0	0
GDFHsPIVLGRPPNAEDR	3	S467s	Q2MJT0	Myocyte-specific enhancer factor 2A	0	0	0	1.3E+08	0	0	0	0	0	0	0	0
LFsADPFDLEAQAK	2	S194s	Q4V8J5	DNA-damage inducible protein 2	0	0	0	0	0	0	0	0	0	0	0	0
TQAQLLsPGER	2	S121s	Q4V8J5	DNA-damage inducible protein 2	2.8E+08	1.4E+08	4.7E+08	3.3E+08	0	1.2E+08	0	0	0	0	0	0
AAGLVNPGsPPPTQQNQYIHISsSPQSSGR	3	S213s S227s	Q63540	M.musculus ataxin-1	0	0	0	0	6.5E+07	0	0	0	0	0	0	0
ALSAGLDYsPPSAPR	2	S87s	Q63540	M.musculus ataxin-1	0	0	0	0	0	0	0	0	0	0	0	0
SRSsPSTDHYSQEVPVEPNR	3	S831s	Q7TP36	Shroom2	1.2E+08	0	0	0	0	6.7E+07	0	0	0	0	0	0
SLsPGGAALGYR	2	S280s	Q3THK4	RNA binding motif protein 15 .	0	1.8E+08	1.3E+08	9.8E+07	2.2E+08	0	0	0	2.6E+07	0	0	0
QAsLDGLQQLR	2	S506s	Q8BIM6	TBC1 domain family member 25	0	0	0	0	4.5E+07	0	0	0	0	0	0	0
VLGQsSSKPPPAAtGPPPSNHCATQKWK	3	T432t S423s	Q3UYC8	Putative uncharacterized protein	0	4.5E+08	0	0	0	0	0	0	0	0	0	0
sVVGTPAYLAPEVLR	2	S735s	Q5FWX6	Protein kinase D3	0	0	0	0	0	0	0	0	0	0	0	0
VSAGRLtPESQSKPLETSK	3	T1217t	Q62910	Synaptojanin-1	0	1E+08	5.6E+07	0	0	0	0	0	0	0	0	0
sNTPESIAETPPAR	2	S515s	P81122	Insulin receptor substrate 2	0	6.5E+07	0	3.1E+08	0	0	0	0	0	0	0	0
sQSSGSSATHPISVPGAR	2	S303s	P81122	Insulin receptor substrate 2	0	0	0	0	1.6E+08	0	0	0	0	0	0	0
sSSTAPEMKQINLSDYPIPR	3	S591s	Q80U46	Transcription factor 20	0	0	0	0	0	5.3E+07	0	0	0	0	0	0
LDDtVHVVIATPGRILDLIK	3	T215t	P54823	DEAD	0	0	0	0	0	0	0	0	0	0	0	0
ATsPLVSLYPALECR	2	S460s	Q2YDU3	OTU domain-containing protein 5	0	0	0	6.2E+08	1.2E+09	0	0	0	0	0	0	0
SSSEESATTTsPESISGSVPSSGSSGR	3	S133s	Q5XFX7	RAD23a homolog	0	0	0	0	0	0	0	0	0	0	0	0
EsSPTYSPGFSDSTSGAK	2	S1783s	P15205	Microtubule-associated protein 1B	0	0	9.2E+07	1.6E+08	0	0	0	0	0	0	0	0
LYFPEssGHHSNNSLSQTEQVEGSIT	3	S1049s S1050s	P15975	Inactive ubiquitin carboxyl-terminal hydrolase 53	0	0	0	0	1.3E+08	0	0	0	0	0	0	0
SSKGsPTGSSPNNASELSLASLTEK	3	S355s	Q3UPB2	Novel protein	0	0	0	0	0	0	0	0	0	6.2E+07	0	0
ASPASGHQLsDQEEADHGR	3	S111s	Q3UZ47	tight junction protein 3	0	0	0	0	3.3E+07	0	0	0	0	0	0	0
VPSRQsLEDR	2	S359s	Q3UZ47	tight junction protein 3	0	0	0	0	0	0	0	0	0	0	0	0
AIETVLGGALQQIVVDTtDTAK	3	T555t	Q8K4R1	Barmotin	0	0	0	0	0	0	0	0	0	0	0	0
LGSSEsLPCTAEELSR	2	S214s	Q3U4V4	Protein kinase D2	0	2.7E+08	2.6E+08	0	0	0	0	0	0	0	0	0
RLsSTSLASGHSVR	3	S197s	Q3U4V4	Protein kinase D2	0	0	0	0	1.8E+08	0	0	0	0	0	0	0
sPGNVNNTIVVPLLEDGR	2	S202s	O35738	Krueppel-like factor 12	0	6.8E+07	0	0	5.3E+07	0	0	0	0	0	0	0

RCSWDKPESPQR	3	S283s	Q5U2Z7	Rho GTPase activating protein 24	0	0	2.8E+07	4.3E+07	0	0	0	0	0	0	0
EGsQETLAHSSPSFNLDTLLVPK	3	S515s	Q5DTP4	MKIAA4082 protein	0	0	0	3.4E+07	0	0	0	0	0	0	0
DSSLGPGRGEGPPtPPSQPPLsPK	3	T963t S971s	P97573	Inositol polyphosphate 5' phosphatase Ship	8.2E+07	0	0	0	0	0	0	0	0	0	0
ASSGDISPYDNNsPVLSER	3	S483s	Q3TMC2	Rho GTPase activating protein 6,	0	0	0	1.8E+08	0	0	0	0	0	0	0
tHEDLFIIPIPNCDR	2	T188t	P21744	Insulin-like growth factor-binding protein 4 precursor	0	0	1.6E+08	0	0	0	0	0	0	0	0
KIsPPSYAR	2	S270s	Q5HZB6	Splicing factor, arginine/serine-rich 16, isoform I	0	3.5E+08	0	0	0	4E+08	0	0	0	0	0
QASEDsNDLTPTLPETPVPLPR	3	S990s	Q1AAU4	ASAP1 splice variant c	0	0	0	0	0	4.1E+07	0	0	0	0	0
TGsEPTLSPALVR	2	S365s	Q9QZK2	Breast cancer anti-estrogen resistance protein 3	0	0	0	0	0	0	0	0	0	0	1.7E+08
GPsPSPVGSPASVAQSR	2	S312s	Q640Q1	AT rich interactive domain 1A	0	0	0	0	3.3E+07	0	0	0	0	0	0
HPEPVPEEGsEDELPPQVHKV	3	S828s	Q3ZAQ4	Autophagy 9-like 1 protein	0	0	0	0	0	0	0	0	0	4.3E+07	0
LKFDFQAQsPK	2	S458s	Q5XIL4	SH3 domain protein 4	0	0	0	0	0	0	0	0	0	0	0
RKPQsSTSASSLSLQAPLSSPLSGPHK	3	S520s	Q3U1F1	hypothetical Serine-rich region profile containing protein	0	0	0	0	0	0	0	0	0	0	6.3E+07
tPKDNLLTSSSTQHtVFSAK	2	T43t T57t	Q3U1F1	hypothetical Serine-rich region profile containing protein	1.2E+09	0	0	0	0	0	0	0	0	0	0
tPSPPPPILEDIILGK	2	T175t	Q8BHW0	similar to HYPOTHETICAL 139.5 kDa PROTEIN	0	3.6E+07	0	0	0	0	0	0	0	0	0
SLsGSGYGAVTAGK	2	S216s	Q5F247	Novel protein similar to smoothelin	0	0	7.7E+07	0	0	0	0	0	0	0	0
SQsFGVASASSIK	2	S305s	Q5F247	Novel protein similar to smoothelin	0	0	7.7E+07	5.1E+07	0	0	0	0	0	0	0
RGsLGEEGPEPPPPPPLPLVR	3	S289s	Q3TXW7	nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 4	0	0	0	0	5.7E+07	0	0	0	0	0	0
LPQPPEGQCYsN	2	S146s	Q569Y6	Ubiquitin-conjugating enzyme E2 variant 1	0	1.3E+08	0	1.2E+08	0	1.2E+08	0	0	0	0	0
AVDGyVKPQIK	3	Y694y	P42230	Signal transducer and activator of transcription 5A	0	0	0	0	0	0	0	0	0	0	0
LsPPAGLFTSAR	2	S779s	P42230	Signal transducer and activator of transcription 5A	0	0	0	0	0	0	0	0	0	0	0
GGGSAAAAAAAAASGGGVsPDNSIEHSDYR	3	S151s	O35984	Pre-B-cell leukemia transcription factor 2	0	1.8E+08	1E+08	4E+08	6.2E+08	1.1E+08	0	0	0	0	0
VGSLtPPSSPK	2	T618t	Q3UHJ0	AP2-associated protein kinase 1	0	4.2E+08	5.2E+07	0	7.3E+07	5.9E+07	0	0	0	0	0
VQTtPPPTIQGQK	2	T604t	Q3UHJ0	AP2-associated protein kinase 1	0	2.3E+08	0	0	0	0	0	0	0	0	0
EQTAsAPATPLVSK	2	S300s	Q3UMF0	Mammary gland RCB-0526 Jyg-MC	0	7.2E+08	0	0	0	0	0	0	0	0	0
LsPSLLATALEGPYPVEEICLPR	3	S974s	Q80U72	Protein LAP4	0	0	0	0	0	0	0	0	0	0	0
VLQKPSVFGNDsDDDEASVSESLQR	3	S33s	Q4FZU3	Coiled-coil domain-containing protein 55	1.5E+09	0	0	0	3.4E+08	0	0	0	0	0	0
HLPsPPTLDSIITEYLR	3	S999s	Q6P1E2	Vpr-binding protein	0	2.7E+08	1.5E+08	0	0	0	0	0	0	0	0
TSEPVKETVQTTQsPAAVEK	2	S617s	Q63623	Protein SCAF8	3.4E+08	5.8E+08	4.9E+08	1.2E+09	3.2E+08	4.9E+08	0	0	0	0	0
NKsEVDLYNSDPLICHAGVK	3	S189s	Q32PZ2	Monoglyceride lipase	9.4E+07	0	0	0	0	0	0	0	0	0	0
ASDERAsDEEGPGFVSSLLPGNRPK	4	S222s	Q5I0E6	RNA polymerase II subunit B1 CTD phosphatase Rpap2	0	0	0	2.4E+08	0	0	0	0	0	0	0
IPLIKsHNDFVAILDLPEGEHQYK	4	S107s	Q6AYZ8	Prkab2 protein	0	1.1E+08	0	0	0	0	0	0	0	0	0
LQANLAFDPAALLPGAsPK	3	S105s	Q3TAD8	RCSD domain containing 1	1.6E+08	1.1E+08	0	0	0	0	0	0	0	0	0
SSTRPPsVADPQSLEVPTER	3	S173s	P0C1G7	Outcome predictor in acute leukemia 1 homolog	0	0	0	0	0	0	0	8.7E+07	1.6E+08	1.6E+07	6.4E+07	1.4E+08
AGSGEDPVLAPsGTPPPSIPPDETFGGR	3	S755s	Q3MIE2	Proline, glutamic acid and leucine rich protein 1	0	0	0	0	0	0	0	0	0	0	0	0
RIsIVESCFGAAGQPLTIPGR	3	S16s	Q91WB4	Phafin 2	3.7E+07	6E+08	6.5E+08	2.2E+07	7.1E+08	0	0	0	0	0	0	0
IAESHLQTISNLSENQAsEEEDELGELR	3	S102s	Q6J4I0	Dopamine-and cAMP-regulated phosphoprotein DARPP-32	0	0	0	0	5.3E+07	0	0	0	0	0	0	0
SsEDLAGPLPSSVSSSTTSSKPK	3	S127s	O55072	SH2 domain-containing adaptor SH2-B beta	0	2.6E+08	0	0	1.6E+08	2.5E+07	0	0	0	0	0	0
DKDDQEWESTsPPKPTVYISGVIAR	3	S50s	Q9QX67	Death-associated protein 1	0	6E+07	0	0	0	0	0	0	0	0	0	0
NsGMPSGAAAIAVLPVTLDTPMNR	3	S166s	P11348	Dihydropteridine reductase	0	2.2E+08	3.8E+08	0	3.9E+08	0	0	0	0	0	0	0
RIDFTPVSPAPsPTR	2	S119s	Q6NZE7	Protein FAM122B	0	2.3E+08	2.4E+08	7.6E+07	3.8E+08	0	0	0	0	0	0	0
VDsPVTIQEVLPVPDHVR	3	S855s	Q501R9	Next to BRCA1 gene 1 protein	0	4.7E+07	0	0	0	0	0	0	0	0	0	0
KGSPVSEIGWETPPPEsPR	3	S217s	Q99L88	Beta-1-syntrophin	0	0	0	0	0	0	0	0	0	0	0	0
SHSsPASLQLGTGAGAAGGPAQQHAHLR	4	S90s	Q3UQ69	WW domain-containing transcription regulator protein 1	0	2.8E+07	0	0	0	0	0	0	0	0	0	0
QESLGSLPSEVRVTHVGHCGEDGVTAtR	4	T203t	Q3V3Z2	SCAN-KRAB-zinc finger gene 1,	5.9E+07	1.2E+08	6.7E+07	0	0	0	0	0	0	0	0	0
tKSPAEEELTPSAVVR	2	T626t	Q3UEX8	phosphoinositol 3-phosphate-binding protein-3, .	0	0	3.7E+08	1.7E+08	2E+08	0	0	0	0	0	0	0
sNSVEKPVSSLLSR	2	S327s	O08719	Ena/VASP-like protein	3E+07	6.5E+07	7.6E+07	0	0	0	0	0	0	0	0	0
LIITSEsPEPGAQPLGPQAR	3	S330s	Q80ZG2	Inositol-trisphosphate 3-kinase C	0	0	0	0	0	0	0	0	0	0	0	0
LVNALSEDtGPSSYPSHR	3	T340t	O35786	Chemokine receptor-like 1	0	0	0	0	0	0	0	6.3E+07	6.8E+07	0	1.2E+08	9.4E+07
QRSLQSLEAsLHAMESTR	2	S766s	P97690	Structural maintenance of chromosome 3	1.5E+08	5.3E+08	3.1E+08	1E+09	7.6E+08	6.1E+08	0	0	0	0	0	0
TTsPATDAGHVQEPSEPSLR	3	S36s	Q32PX2	Aminoacyl tRNA synthase complex-interacting multifunctional protein 2	3E+08	0	0	0	1.8E+08	0	0	0	0	0	0	0
GPAETAAADSEADtDPEEERIEAGPAR	3	T37t	Q3TQF0	F-box only protein 31	0	1.4E+08	0	0	0	0	0	0	0	0	0	0
VLEASPGRPSSMDtPLSPTAFIDSILR	3	T323t	P38532	Heat shock factor protein 1	1.6E+08	6.5E+08	2.9E+08	0	0	0	0	0	0	0	0	0
YRsPEPDPYLSYR	2	S112s	Q3TJU0	CDC-like kinase 3,	1.3E+08	2.1E+08	0	0	0	1.5E+08	0	0	0	0	0	0
FQSQADQDQQASGLQsPPSR	3	S359s	Q922L8	CTTNBP2 N-terminal-like protein	0	0	0	0	0	0	0	0	0	0	0	0
VGGGRGSGTLTAVsLPER	3	S42s	Q3URN7	hypothetical protein, .	1.5E+08	0	0	0	0	0	0	0	0	0	0	0
LWQGHHTTESEHSLSPADLGSPAsPK	4	S182s	Q62722	NGFI-A-binding protein 1	0	0	0	0	0	0	0	0	0	0	0	0
TGHILHPEYLQPLPSTPVsPIELDAK	3	S107s	Q7TMA2	Zinc-finger protein NOLZ1	8.2E+07	0	0	0	0	0	0	0	0	0	0	0
TAEPVKSPtsPTQSLFPASK	3	T401t S402s	Q4V8G3	SRY-box containing gene 6	0	0	0	0	0	0	0	0	0	0	0	0
tETPPPLASLNVSK	2	T73t	Q9D0R8	Protein LSM12 homolog	0	0	0	6.9E+08	0	0	0	6.5E+07	0	0	0	1.1E+08
StSATDTHHVELAR	3	T32t	O55028	[3-methyl-2-oxobutanoate dehydrogenase [lipoamide]] kinase, mitochondrial p	0	0	0	0	0	0	0	0	0	0	0	0
SLAALDALNtDDENDEEEYEAWK	2	T267t	Q9CQU1	Microfibrillar-associated protein 1	0	0	8.9E+08	0	0	9.3E+08	0	0	0	0	0	0
SLsLDPGQSLEPHPEGPQR	3	S116s	P52734	FYVE, RhoGEF and PH domain containing 1,	5E+07	0	0	0	0	0	0	0	0	0	0	0
ELGLPPDSASTVLSSELESSSFIDsDEEDNTSR	3	S194s	Q9WVB9	Segment polarity protein dishevelled homolog DVL-1	0	0	4.9E+08	0	0	5.4E+08	0	0	0	0	0	0
DAEYTYDQQNQQGSLSPtK	3	T131t	P22199	Mineralocorticoid receptor	0	6.1E+07	6.8E+07	9.2E+07	1.4E+08	0	0	0	0	0	0	0
MEGSFGsPSKQESSENLPK	3	S514s	Q3TJ86	activating transcription factor 7 interacting protein,	0	2.3E+08	0	0	1.2E+08	0	0	0	0	0	0	0
LHsSNPNLSTLDFGEEK	3	S334s	Q6A012	Osbpl3 protein	0	0	0	0	0	0	0	0	0	0	0	0
KEsPPPLVPPAAR	2	S5s	Q4QR85	Methylosome protein 50	1.3E+09	2.3E+09	1.4E+09	5.8E+08	4.1E+09	1.9E+09	0	0	0	0	0	0
AADEDWDsELEDDLLGEDLLSGK	3	S41s	Q9CXK9	RNA-binding protein 33	0	0	0	0	0	0	0	0	0	0	0	0
GGSGGDEAGGIsSPGGIASAERPSEALLR	3	S174s	Q496Y9	LOC288526 protein	0	0	0	2.2E+08	0	0	0	0	0	0	0	0
VRPLsDGNSPWSSLLIK	3	S614s	Q5DTU6	Mitogen-activated protein kinase kinase kinase MLK4	0	0	0	0	0	0	0	0	0	0	0	0
WVEENVPSSVTDVALPALLDsDEER	3	S543s	Q8BU98	Tmem87a protein	0	0	0	0	0	0	0	8.9E+08	1.2E+08	0	0	0
ENCSPAKIAGSTGsLMNLPPYPVHyK	4	Y276y S265s	Q3UK89	Transcription cofactor vestigial-like protein 1	0	0	0	0	0	0	0	0	4.7E+07	0	2.2E+08	0
AsPVPEDHAEAAGAEQGGDSTEGNAKPK	3	S65s	Q4KLH3	Opioid growth factor receptor-like 1	0	0	7.3E+07	0	0	0	0	0	0	0	0	0

VHtGEKPYHSQASGKTLDYPsR	4	T608t S626s	Q6P5C7	Zinc finger protein 458	6.5E+07	0	0	0	0	0	0	0	0	0	0
HsSGEQETSTLPSPPLLTTVEDVNQDNK	3	S722s	Q3TDH2	hypothetical Glutamine-rich region profile containing protein,	0	0	9.3E+07	0	1.1E+08	5.3E+07	0	0	0	0	0
VNHMPStVDVATALPLQVAPTAVPMDLR	3	T31t	Q3U2J3	Histone deacetylase 4	0	1E+08	0	2.9E+07	0	0	0	0	0	0	0
DLDPELPsDEYFEPVDPEYQGK	2	S461s	Q8K441	ATP-binding cassette transporter sub-family A member 6	0	0	0	0	0	0	0	1.1E+09	2.1E+08	0	8.8E+08	0
AsTFCGTPDYIAPEILQGLK	2	S504s	P09215	Protein kinase C delta type	0	0	0	1E+08	0	0	0	0	0	0	0	0
SPPKVPIVIQDDsLPTGPPPQIR	3	S32s	Q3TB72	UPF0485 protein C1orf144 homolog	0	1.2E+08	4.1E+07	1.3E+08	1.7E+08	0	0	0	0	0	0	0
DHSPtPSVFNSDEER	3	T436t	Q5U317	Pre-mRNA 3'-end-processing factor FIP1	0	0	0	0	0	0	0	0	0	0	0	0
sAPPNLWAAQR	2	S137s	O35147	Bcl2 antagonist of cell death	0	1.3E+07	9.8E+07	4.6E+07	1E+08	0	0	0	0	0	0	0
GGsTGGGGGFDPPPAYHEVVDAEK	3	S85s	Q8BLI7	Ubiquitin carboxyl-terminal hydrolase 24	0	0	0	0	0	0	0	0	0	0	0	0
RPPEsPPIVEEWNSR	3	S36s	Q3TQP0	RGD1310022 protein	0	0	0	0	0	0	0	0	0	0	0	0
tISAQDTLAYATALLNEK	2	T109t	Q4G007	Hypothetical protein	0	4.1E+08	1.9E+08	2.8E+07	0	0	0	0	0	0	0	0
TVHLDsEEDDDLFDDPLLTHSR	3	S385s	Q5XIX3	Artemis protein	0	0	2.5E+08	0	0	0	0	0	0	0	0	0
AAsPPASASDLIEQQQK	2	S335s	Q3UGC1	Protein FAM40A	0	8.6E+08	5.2E+08	6.1E+08	1.4E+09	7.6E+08	0	0	0	0	0	3.8E+07
TNSGISSASGGSTEPtTPDSERPAQALLR	3	T723t	Q8BQZ4	Protein KIAA1219	1.3E+08	1.9E+08	0	3.3E+07	0	0	0	2.5E+07	0	0	0	0
TQAAGPsSPPRPPTPEEtK	3	T456t S445s	Q9ESZ0	DNA-repair protein XRCC1	1.9E+07	0	0	0	0	4.8E+07	0	0	0	0	0	0
RSQNQPPPsPAAKPLPDDPNPA	3	S346s	Q5U342	Nuclear factor of kappa light chain gene enhancer in B-cells inhibitor, beta	0	0	0	0	0	0	0	0	0	0	0	0
TTsPVIALQNGLSEDEALQR	2	S187s	Q4KLG9	AN1-type zinc finger protein 2B	0	2.8E+08	5.6E+07	6.3E+07	0	4.3E+07	0	0	0	0	0	0
EHYPVSSPSSPsPPAQPGGVSR	3	S85s	Q6PG69	Ankrd17 protein	0	2E+08	0	0	0	0	0	0	0	0	0	0
LDDGHLNNSLGsPVQADVYFPR	3	S380s	Q8C1W2	Putative uncharacterized protein	7.4E+07	4.3E+07	0	8.4E+07	6.2E+07	0	0	0	0	0	0	0
GVsQEKDGQISSAIVSSVQSK	3	S749s	Q3KR71	Sfrs8 protein	0	0	0	0	0	0	0	0	0	0	0	0
SASsGAEGDVSSEREP	2	S197s	Q3TY44	histidyl tRNA synthetase 2,	5.5E+08	3.7E+08	0	0	4.6E+08	0	0	0	0	0	0	0
GGEFDEFVNDDtDDDLPISK	2	T245t	Q32PZ5	Sh2bp1 protein	0	0	0	0	8.2E+08	0	0	0	0	0	0	0
GERGYPGsIGPTGAAGAPGPHGsVGPAGK	4	S959s S974s	Q01149	Collagen alpha-2	0	0	0	0	0	0	0	0	0	0	0	0
KLSNGsIVPLEDSLNLIEVATEAPK	3	S1241s	Q148U6	PH domain leucine-rich repeat-containing protein phosphatase 2	0	0	0	0	0	0	0	0	0	0	0	0
VHAYFAPVtPPPSVGGsR	3	T417t S425s	Q3UMN2	F-box/LRR-repeat protein 20	0	0	0	0	0	0	0	4.8E+07	6.4E+07	0	0	0
DLGNSHGsLQPDVAAEPTQGLR	4	S547s	Q6GX86	Hypothetical protein	0	0	0	0	0	6.5E+07	0	0	0	0	0	0
QDGKPDtRPEGVYDIPPTStK	4	T254t T267t	O35177	Enhancer of filamentation 1	0	0	0	0	0	0	0	0	0	0	0	5.1E+07
TENQPAVLEDAPDNTETGsVCTKV	3	S599s	Q9WTW7	Solute carrier family 23 member 1	0	0	0	0	0	0	0	0	0	0	0	8.1E+07
DERsPQNLSHAVEEALK	3	S277s	Q561R4	Symplekin	0	0	0	0	0	2.8E+07	0	0	0	0	0	0
VHGLPTtSPSGVNMAELAQQVVK	3	T330t	Q3U327	Putative uncharacterized protein	0	0	7E+08	8.9E+07	0	0	0	0	0	0	0	0
EAAQPLVGAEAEDSHsK	3	S34s	Q4G035	RGD1306356 protein	0	0	0	0	0	0	0	0	5.4E+07	0	0	0
AEESEPLPSCPGsPPLPDDLQPLDCK	3	S106s	Q3UMC6	Mammary gland RCB-0526 Jyg-MC	0	0	0	0	0	0	0	0	0	0	0	0
EAMPPGQKTNVINGPNTVtDPSVTTLHTQKPVLDR	3	T350t	Q9DA80	Radial spoke head protein 3 homolog B	0	0	0	0	0	0	0	4.1E+09	0	0	0	0
DVATSPIsPTENNTTPPDALTR	3	S223s	O88643	Serine/threonine-protein kinase PAK 1	0	0	0	0	0	0	0	0	0	0	0	0
RAsVCAEAYNPDEEEDDAESR	3	S111s	P12369	cAMP-dependent protein kinase type II-beta regulatory subunit	0	2.2E+08	0	0	0	0	0	0	0	0	0	0
EPAAPAsPAPsPVPSPTPAQPQK	3	S254s S258s	Q80TI3	Proline arginine rich coiled coil 1	0	0	0	0	0	0	0	0	0	0	0	0
STSETQGPTHLTHRGNEEtLEAGYTVNsSPAAHIR	3	T143t S152s	Q6P6I6	Glutamate receptor, ionotropic, N-methyl D-aspartate-like 1A	0	0	0	0	0	1.4E+09	0	0	0	0	0	0
VPCsPPHAIGPDR	2	S507s	P14644	cAMP-specific 3',5'-cyclic phosphodiesterase 4C	0	1.9E+08	0	0	3.5E+08	0	0	0	0	0	0	0
DKDSEVSTKPEGVHAPNQPsPVEGK	4	S241s	Q64548	Reticulon-1	0	0	0	2.8E+07	0	0	0	0	0	0	0	0
AIGSGESEtPPSTPTSQEPSSSGGFEFFR	3	T12t	Q3UWK1	hypothetical protein, .	0	0	0	0	0	0	0	0	0	0	0	0
RVIIsAPSADAPMFVMGVNQEK	3	S74s	Q8BJ40	Glyceraldehyde-3-phosphate dehydrogenase	0	0	0	0	0	1.6E+08	0	0	0	0	0	0
EKPDsDDDLDIESLVTAK	3	S660s	Q9ESV1	Leucine zipper protein 1	0	1.3E+08	0	0	1.9E+08	0	0	0	0	0	0	0
GGEAsRHSEEEsHLLEEVETK	4	S23s S30s	Q3TZW7	Protein BEX6	0	0	1.8E+08	0	0	0	0	0	0	0	0	0
STSAPQMSPGsSDNQSSSPQPAQQK	3	S495s	Q4V8A7	Atp8b2 protein	0	0	0	7.8E+07	0	0	0	0	0	0	0	0
FAMsPSNFSSADCQDELGR	3	S243s	Q3V3E7	Putative uncharacterized protein	0	0	0	0	0	0	0	0	1.4E+08	0	0	0
LLQEGSPsDITTLSVEPEKK	3	S704s	P70365	Nuclear receptor coactivator 1	0	6.8E+07	8.9E+07	0	0	0	0	0	0	0	0	0
KMPLDLsPLATPIIR	3	S94s	P16951	Cyclic AMP-dependent transcription factor ATF-2	1E+08	0	0	0	0	0	0	0	0	0	0	0
sVSNLKPVPVIGSK	2	S215s	Q6AY30	Probable saccharopine dehydrogenase	0	0	0	0	0	0	0	0	5.2E+07	0	1.3E+08	0
LILTDNGSAPTFCsDDEDVAPLSAK	3	S499s	Q3UMC7	Mammary gland RCB-0526 Jyg-MC	0	0	0	0	4.4E+08	0	0	0	0	0	0	0
FLLECKNsPIAR	3	S51s*	Q80VV3	Eukaryotic translation initiation factor 4E-binding protein 3	0	0	0	5.3E+07	0	0	0	0	0	0	0	0
TDVSNFDEEFTGEAPTLsPPR	3	S920s	P70268	Serine/threonine-protein kinase N1	1.6E+08	3.2E+07	0	0	0	0	0	0	0	0	0	0
GsEGSQSPGSSVDDAEDDPSR	2	S676s	O35615	Zinc finger protein ZFPM1	0	1.1E+08	0	0	0	0	0	0	0	0	0	0
IQPQLPDEDGNEsDKEDEQPQVVVLK	3	S50s	Q5RKH3	Hypothetical protein RGD1311745	0	0	0	6.1E+08	0	1.3E+09	0	0	0	0	0	0
EGPALDRQsPESTLTPTFNK	3	S177s	O35141	Ras association domain-containing family protein 5	0	8.2E+07	0	0	0	0	0	0	0	0	0	0
SEsSGNLPSIVDTR	2	S103s	O88884	A kinase anchor protein 1, mitochondrial precursor	0	0	5E+07	0	0	0	0	0	0	0	0	0
tSDNPDFNyTSFDSFAWAFLSLFR	3	T327t Y335y	Q6QIY3	Sodium channel protein type 10 subunit alpha	0	0	0	2.7E+08	0	1.8E+08	0	0	0	0	0	0
YEKEFGDGsDENEVEEQEAK	3	S46s	Q5RJL8	Gs3 protein	0	0	0	0	0	0	0	3.5E+08	1.6E+08	0	2.1E+08	0
LRPStSVDEEDEESER	3	T83t	Q8CFT2	Histone-lysine N-methyltransferase SETD1B	0	0	0	0	1.7E+07	0	0	0	0	0	0	0
ISLFAHDMIVyLsDPK	3	Y1724y S1726s	Q6TXE2	LRRGT00057	0	0	0	0	0	0	0	0	2.6E+08	0	0	0
sTELVLSPDMPR	2	S237s	Q6NZG0	RB1-inducible coiled-coil protein 1	9.2E+07	1E+08	9.7E+07	1E+08	8.1E+07	0	0	0	0	0	0	0
HLLSDPSTPLSPPGPGDVFFPSLDPVPDsPNSEAI	3	S303s	Q4KM76	Platelet receptor Gi24	0	0	0	0	0	0	0	0	0	0	0	0
VSTsPVGLPSIDPSGNSPSAASPLTSFSGIPGTR	3	S771s	Q5XI12	Ankhd1-Eif4ebp3 protein	0	0	9.6E+07	0	0	0	0	0	0	0	0	0
NKAEINEMTIIVEDSPLsK	3	S28s	Q148Q5	Kelch-like protein 31	0	0	0	0	0	0	0	0	0	0	0	0
GQVtPPEQIFHLVPSPEELANSLR	3	T304t	P50745	Lymphocyte-specific adapter protein Lnk	0	1.5E+08	1.2E+08	0	0	0	0	0	0	0	0	0
NsPNNISGISNPPGTPR	2	S320s	Q3B7C9	Single stranded DNA binding protein 3	3.2E+07	0	1.1E+08	0	1.4E+08	0	0	0	0	0	0	0
DVQAAPEPSHPPKEPAPPsPESR	3	S164s	Q6DGF9	Acyl-CoA-binding domain-containing protein 4	0	0	0	0	0	0	0	0	0	0	0	0
LAPDSLPSDLVPAPVLQAsPADK	3	S27s	Q5XII5	WD repeat protein 79	0	0	0	0	0	0	0	0	0	0	0	0
RNSEGsEASCTEGSLTPSLDSR	3	S1658s	Q6DFV3	Rho GTPase activating protein 21	2E+08	1.2E+08	0	0	2.3E+08	0	0	0	0	0	0	0
ASSQDsKSPLGLYCEQNPVESSVCPSNSR	3	S267s	Q9EPU2	Nuclear receptor coactivator 3	0	8.8E+07	0	0	0	0	0	0	0	0	0	0
SVsEAALAQPEGLLGTDSLKK	3	S865s	P15304	Hormone-sensitive lipase	0	1.2E+08	4.9E+07	0	0	0	0	0	0	0	0	0
DDQGILYAAEPTSAIssESR	3	S169s S170s	Q66HC2	Vaccinia related kinase 3	0	0	0	0	0	0	0	0	0	0	0	0
NsQLKLIYVTPEK	3	S182s	Q3TPI5	RecQ protein-like	0	0	0	0	0	8.3E+07	0	0	0	0	0	0
QITQEDDDsDEEVAPENFFSLPDK	3	S267s	Q9EQC8	Papillary renal cell carcinoma-associated protein	0	0	0	0	0	2E+08	0	0	0	0	0	0

DILATINVLDKSALNSWEK	3	S604s	Q69ZZ8	MKIAA0758 protein	0	0	0	0	0	0	0	0	0	0	0	2.3E+08
GLSDHAsLDGQELGAQSR	2	S361s	Q3UMF7	Mammary gland RCB-0526 Jyg-MC	6.4E+08	1.1E+09	2.2E+08	4.8E+08	3.3E+08	4.9E+08	0	0	0	0	0	0
TATDENEDDLGSPPsPGDSSYYQDQVDEFHEAR	3	S37s	Q6AXX4	Something about silencing protein 10	0	0	0	0	0	3.7E+08	0	0	0	0	0	0
LVDISLHNPVsIsVLDK	3	S315s S317s	Q3TLT4	Mammary gland RCB-0526 Jyg-MC	0	2.3E+08	0	0	0	0	0	0	0	0	0	0
LENDVsEGAQPsVGK	3	S383s S389s	Q9EQ10	Antisense RNA overlapping MCH protein	0	0	0	0	5.4E+08	0	0	0	0	0	0	0
AADGyVKPQIK	2	Y699y	P42232	Signal transducer and activator of transcription 5B	0	0	0	0	0	0	0	0	0	0	0	0
QNSAtESADSIEIYVPEAQTR	2	T975t	P97839	Disks large-associated protein 4	0	1.6E+09	0	7.6E+08	0	0	0	0	0	0	0	0
VyFMKQTIGNSCGTIGLIHAVANNQDK	3	Y80y	Q00981	Ubiquitin carboxyl-terminal hydrolase isozyme L1	0	1.5E+09	0	0	0	0	0	0	0	0	0	0
VEsNyEHHNIQIMVK	3	Y194y S192s	Q561K3	Interleukin 13 receptor, alpha 1	0	0	0	0	3.1E+07	0	0	0	0	0	0	0
sPTNSSEIFTPAHEENVR	3	S21s	Q3UGS4	hypothetical protein	0	0	0	0	1.5E+08	0	0	0	0	0	0	0
IPELLAVGVVDSMtKLVLVNAIyFK	3	T157t Y166y	Q4G075	Leukocyte elastase inhibitor A	0	0	0	0	0	0	0	0	0	0	0	0
RQESGSsLEPPSGLALEDGAHVLR	3	S308s	Q811H4	Tmem1 protein	4.2E+07	0	0	7.8E+07	0	0	0	0	0	0	0	0
VHTGEKPHGCsECGK	3	S317s	Q5JC30	KRAB zinc-finger protein	0	3.5E+07	0	0	5.6E+07	0	0	0	0	0	0	0
WDsYENMSADGEVLHTQGPVDGSLYAK	3	S332s	Q5SSZ5	Tensin-3	0	0	3.9E+08	0	0	0	0	0	0	0	0	0
LSVGAVsSRPTtPTVAPPQAVSVPNK	3	T157t S152s	Q62880	Transcription initiation factor TFIID subunit 9B	0	0	0	6.8E+07	0	0	0	0	0	0	0	0
QPVMGKGWQGVLSYSIAILDCLFyItNK	3	T128t Y126y	Q3UPM0	hypothetical protein	0	0	5E+08	0	0	0	0	0	0	0	0	0
AEAPPLQREDsGTFSLGK	3	S18s	Q4V8C7	Interferon-inducible double stranded RNA-dependent protein kinase activator	0	0	0	0	0	0	0	2.7E+07	1.3E+07	0	0	0
SLSNsNPDISGTPTSPDDEVR	3	S80s	Q5PRE6	Dock7 protein	0	1.9E+08	0	0	0	0	0	0	0	0	0	0
SCsVPLPPIHGEIDELR	3	S351s	Q5BK26	Ntel1 protein	0	0	0	0	0	0	0	0	1.2E+07	0	0	0
SAsVDESRPEFICR	2	S382s	Q8BIQ4	Autophagy-related protein 2 homolog B	0	0	0	0	0	0	0	0	0	0	0	0
FNVKEEASSGSEsGSPK	3	S134s	Q3UZW3	hypothetical Serine-rich region profile containing protein	0	0	0	0	1.5E+09	0	0	0	0	0	0	0
LCDFGSASHVADNDITPyLVSR	3	Y849y	Q5RKH1	Serine/threonine-protein kinase PRP4 homolog	0	0	0	2.1E+08	0	0	0	0	0	0	0	0
NRFEVNEtDGVVtLVAQR	3	T2970t T2975t	Q8VHN7	Monogenic audiogenic seizure susceptibility protein 1 precursor	0	0	0	0	9.3E+07	3.2E+07	0	0	0	0	0	0
ALSRCPSHAGFStTSSSAsGHLHR	3	T91t S97s	Q2M2N7	Hrh4 protein	0	0	0	3.5E+08	0	0	0	0	0	0	0	0
DLQsPDFTAGFHSDKVEGK	3	S861s	Q6ZPR6	Inhibitor of Bruton tyrosine kinase	0	0	0	0	0	0	0	0	0	0	0	0
HIKEEPLsEEEPCTSTAVPSPEK	3	S446s	O70396	nucleolar protein 58	0	0	0	5.4E+08	0	0	0	0	0	0	0	0
KYFPsGIPLLSGsPPPPENK	3	S1075s S1083s	Q5DU05	Cep164 protein	0	0	0	0	0	1.4E+08	0	0	0	0	0	0
QNKAGPNTPGGPATQStAGGGGGGGGtSGSGSSGERF	3	T269t T279t	O55165	Kinesin-like protein KIF3C	0	0	0	0	0	0	0	0	0	0	2.1E+09	0
APsSDLDTDAEGDDFELLDQSELNQLDPASSR	3	S435s	Q3TQL8	hypothetical protein	0	0	0	0	0	0	0	2.4E+08	0	0	0	0
VTtLTTHAGIRNtLLTILDQLQR	3	T1390t T1400t	Q45VK7	Dynein cytoplasmic heavy chain 2	0	0	0	0	0	0	0	0	0	0	0	0
RLVDSDGsLAEVPK	3	S20s	Q3TKE4	Steap3 protein	0	0	0	0	0	0	0	0	2.3E+07	0	0	0
ELVHLSELPPTPLHISEDsSSPER	3	S491s	Q3UNI1	Sir2alpha	5.3E+08	0	0	0	0	0	0	0	0	0	0	0
LGLQSDISEPTIsPVTNTVQPTPTANQQK	3	S95s	Q5HZF2	WW domain-binding protein 4	0	4.8E+07	0	0	0	0	0	0	0	0	0	0
SGAEPVsVRGAGEPIRPCSSAGESQR	3	S104s	Q8BMI2	Putative uncharacterized protein	0	0	0	0	0	4.2E+08	0	0	0	0	0	0
YPIGSGRVtFNNQR	3	T476t	P70166	Cytoplasmic polyadenylation element-binding protein	0	2.4E+07	0	0	2.1E+07	0	0	0	0	0	0	0
SSTVsVHDPFSDVsDSAYPK	3	S740s S749s	Q8CHN9	Transcription factor 1	0	0	0	0	0	4.4E+07	0	0	0	0	0	0
yAIQLItAASLVCR	3	T407t Y401y	Q3TXT7	RuvB-like protein 2	0	0	0	0	0	0	0	0	0	0	0	0
RLEELTSNVSGSEIsSEDETKPDAPFR	3	S400s	Q66HE9	Melanophilin	0	0	0	0	9.8E+07	0	0	0	0	0	0	0
NLDMPQMAsLDAVHQVSTDNVAIEDDSVGsIMK	3	S93s S114s	Q8CEL1	hypothetical protein	0	0	0	0	0	0	0	0	0	0	0	0
NsPGLLVSPGNLNK	2	S222s	Q3V1B5	myocyte enhancer factor 2C,	0	0	0	3E+07	4.7E+07	0	0	0	0	0	0	0
MPRYAQLVMGPAGsGK	3	S14s	Q6R518	GPN-loop GTPase 3	0	0	0	1.3E+08	0	0	0	0	0	0	0	0
ASPSPSLSSYSDPDSGHyCQLQPPVR	3	Y490y	Q9QZS8	SH2 domain-containing protein 3C	0	0	0	0	8.3E+07	5.6E+07	0	0	0	0	0	0
VPPLDLVSPQPQPETSPEsPCPK	3	S70s	Q5XIB5	Coiled-coil domain-containing protein 86	0	0	0	0	0	0	0	0	0	0	0	0
VTLQDYHLPDsDEDEDEETAIR	3	S278s	Q499R6	Hypothetical protein LOC499871	0	0	0	0	0	5.1E+08	0	0	0	0	0	0
RAPsPDGFSPYSPEETSR	3	S287s	P53349	Mitogen-activated protein kinase kinase kinase 1	0	0	3.1E+07	0	0	0	0	0	0	0	0	0
TLKPtLSDHGDGEK	3	T255t	Q2VP88	SH2 domain-containing adapter protein E	0	0	0	0	0	0	0	0	0	0	0	0
sPEPEATLTFPFLDK	2	S563s	Q3UH68	LIM and calponin homology domains-containing protein 1	0	0	6.8E+07	9.4E+07	9.6E+07	3.6E+07	0	0	0	0	0	0
TDEIYIAGsPLTPR	2	S636s	O55081	Retinoblastoma-like protein 2	0	2.9E+07	7E+07	0	0	0	0	0	0	0	0	0
TGSsICGSLNTLQDSLEFINQDSNTLK	3	S146s	Q5F2C0	Folliculin interacting protein 1	0	0	0	0	0	0	0	0	0	0	0	0
KQPSPSPGNTTGGPLPGSAASPAHQASQPLyLNHP	3	Y695y	O35451	Cyclic AMP-dependent transcription factor ATF-6 beta	0	0	0	0	0	0	0	0	0	0	0	0
QsSPPSPDSCPENSSPSMDISPSGFPK	3	S91s	Q566D8	Ligase I, DNA, ATP-dependent	0	7.7E+07	0	0	0	0	0	0	0	0	0	0
NKGsILSATGPELSHK	3	S213s	Q5U2P9	Solute carrier family 16	0	0	0	0	0	0	0	0	1.2E+08	0	0	0
YDERPGPsPLPHR	3	S226s	Q62376	U1 small nuclear ribonucleoprotein 70 kDa	0	0	0	0	0	0	0	0	0	0	0	0
TPLPTIIGSPtK	2	T602t	Q3UG39	Unc-51 like kinase 2	0	0	4.5E+07	0	0	0	0	0	0	0	0	0
NISEKEGQDFLEtTNC	3	T552t	Q66H77	Hypothetical protein RGD1304605	0	0	6.7E+07	0	0	0	0	0	0	0	0	0
SSSsSPELWLETAPLVTHR	3	S165s	O70248	Amyloid beta A4 precursor protein-binding family A member 3	0	0	0	0	0	0	0	0	0	0	0	0
DLTsPtQRYIDSK	3	T181t S179s	P27090	Transforming growth factor beta-2 precursor	1.4E+07	0	0	0	0	0	0	0	0	0	0	0
MPtQSDEEKSPSPtAEDPR	3	T363t T374t	Q3TY62	metastasis associated 3	0	0	0	0	0	0	0	0	0	0	0	0
QQsPVNPDPVALDAHR	3	S397s	Q3UQX8	Protein CBFA2T1	0	0	0	0	1.2E+08	0	0	0	0	0	0	0
SDLAQLGGGGGGGDDNEPtGAGISDDK	3	T404t	Q8R2M2	Deoxynucleotidyltransferase terminal-interacting protein 2	0	0	0	0	0	0	0	0	0	0	0	0
SRPGyPPPGGGTVPPLPtVR	3	T86t Y73y	Q8BIN4	Putative uncharacterized protein	0	0	0	0	0	0	0	0	0	0	0	2.8E+07
yLYHLNQDAYTATAINGTDFCTsAKDAHTIIAK	3	Y487y S509s	Q921V7	Choline transporter-like protein 3	0	0	0	0	0	0	0	0	0	0	1.8E+09	0
QPGFPQPSPSDDPsLSPR	2	S134s	Q91VC7	Protein phosphatase 1 regulatory subunit 14A	0	0	0	0	1.3E+08	0	0	0	0	0	0	0
VKEEPPsPPHsPR	3	S226s S230s	Q63717	Heat shock transcription factor 1	0	0	0	0	0	0	0	0	0	0	0	0
SsSLGSYDDEQEDLTPVQLTR	2	S321s	Q6P904	Protein FAM13A1	0	0	0	0	7.5E+08	5.9E+08	0	0	0	0	0	0
ILVSLTLSGLALMTTTINSLVIAAIIVtR	3	T51t	Q02284	5-hydroxytryptamine 1F receptor	0	0	0	0	0	0	0	3.5E+08	0	0	0	0
ALATPsTPPNSPsQSPCSSPVPFEPR	3	S774s S781s	Q8R2H7	Trafficking kinesin-binding protein 2	0	0	5.5E+07	0	0	0	0	0	0	0	0	0
sQSLPTTLLSPVR	2	S736s	Q3TEM8	sperm specific antigen 2	0	2.5E+07	0	0	0	0	0	0	0	0	0	0
SKDsNQIYEANPsK	3	S42s S51s	Q8C0R9	Leucine-rich repeat and death domain-containing protein 1	0	4.3E+07	0	0	0	0	0	0	0	0	0	0
sTSEPEEAELSLSLAR	2	S31s	Q9D7V2	hypothetical LysM motif containing protein	3.5E+08	0	0	0	0	0	0	0	0	0	0	0
EAFsLFDRTPTGEMK	3	S56s	P09541	Myosin light polypeptide 4	2.5E+08	0	0	0	0	0	0	0	0	0	0	0
ERLLEATSGsGGAAGTAGGAHDLSSTAR	3	S674s	Q8VIE5	BetaIV-spectrin sigma1	0	0	0	0	0	0	0	0	0	0	0	0
DASPGRGSHSQSSSPGALtLGR	3	T443t	O88935	Synapsin-1	0	0	0	0	0	0	0	0	2.9E+08	0	0	0

YQCDLVsKNGNDVYR	3	Y223y S216s	Q8R4A3	Dapper homolog 1	0	0	0	0	0	0	0	0	0	0	0
GGyGGGGSGGGGRGGFPSGGGGGGGGQQR	3	Y390y	P56959	RNA-binding protein FUS	0	0	0	4.5E+08	0	0	0	0	0	0	0
SVATYKGIEPSAsLVQWFWEVMESFSNTER	3	S4701s	Q4U2R1	HECT domain and RCC1-like domain-containing protein 2	0	0	0	0	0	0	0	0	0	0	0
IDSEVsPKDSEESLQSR	3	S15s	Q3KRE7	ABT1-associated protein	6.8E+07	0	0	0	0	0	0	0	0	0	0
VQIsPDSGGLPER	2	S182s	Q3U0V1	KH-type splicing regulatory protein	2.2E+08	0	2.1E+08	1.7E+08	0	0	0	0	0	0	0
ISGAEHsIENIGTTIKENGK	3	S160s	O54849	Hypothetical protein	0	0	0	0	0	0	0	0	0	2.7E+08	0
VRSLADVDtILAHtMGDVR	3	T1574t T1579t	P15800	Laminin beta-2 chain precursor	0	0	0	0	0	4.3E+08	0	0	0	0	0
NPESLItQTPRGSIELCPQPSItK	3	T78t T94t	Q7TQ07	DNA polymerase nu	0	0	2.4E+08	0	0	0	0	0	0	0	0
SRHVESQYsSEPDSELLMLPR	3	S1027s	Q9JIR4	Regulating synaptic membrane exocytosis protein 1	3.5E+08	0	0	0	0	4.3E+08	0	0	0	0	0
FSAALPAssPRRPPASR	3	S22s S23s	Q3UY43	thioredoxin reductase 3	0	5.1E+07	0	0	0	0	0	0	0	0	0
LDGPIENVsEDEAQSSSQR	3	S60s	Q66HE8	Hypothetical protein RGD1307509	0	0	0	0	0	0	0	3.3E+08	0	3.8E+08	0
MKTPYLDILQtVLDGVDALLDQNTHPR	3	T82t	Q6NZE6	PRAME family member 12	0	0	0	0	0	1E+09	0	0	0	0	0
LGsPAGsPVLGISGR	2	S22s S26s	Q6P5E8	Diacylglycerol kinase, theta	0	9.5E+07	4.6E+07	0	6E+07	0	0	0	0	0	0
AMEGIPTQDSQPEDRsPELSR	3	S116s	Q99MM4	TRAF-interacting zinc finger protein FLN29	8E+08	6.2E+08	0	0	0	0	0	0	0	0	0
DEsPPPsPPPSYHPPPPPTK	3	S724s S728s	Q3U356	hypothetical Proline-rich region profile/Serine-rich region profile containing pr	0	0	0	0	1.1E+08	0	0	0	0	0	0
NPACAPGPFGsPQVLALQKDLPWPDSGNsVTWSYSGG	3	S74s S92s	Q9DAX4	hypothetical protein	0	0	0	0	0	0	0	0	0	0	0
NPVsNSFStPVFPQK	3	T204t S199s	Q18PG4	CS1s	0	0	0	0	0	4.7E+07	0	0	0	0	0
QYPALDLEGPRGLSGLENGLtAsADVSLDALVLHGK	3	T693t S695s	Q505D3	Fmn2 protein	0	0	0	0	0	0	0	0	0	0	0
HGNSTLVSFTLVLNHTGNLTStSR	3	T42t	Q3UP19	hypothetical protein	0	0	3.4E+08	0	3.2E+08	0	0	0	0	0	0
NISLNIsISNLGDDAyDANVSFNVSR	3	Y111y S102s	Q3UT74	Integrin alpha 9 protein	0	0	0	8.6E+07	0	0	0	0	0	0	0
AtPPPSPLLSELLK	2	T270t	Q5TLG7	Nuclear receptor coactivator p120	0	3.9E+07	0	6.7E+07	7.5E+07	0	0	0	0	0	0
LYWsDHGTDSGVPAKIAsANMDGTSLK	3	S1889s S1903s	P98158	Low-density lipoprotein receptor-related protein 2 precursor	0	0	0	0	0	0	0	1.8E+07	0	0	0
SLENRAGGPKPCSEEPSTPPPVAVGtGGPGGsMK	3	T447t S453s	Q6NSW1	Smtn protein	0	0	0	0	0	0	0	0	0	0	0
DPEGAVFTWEPsTGKDAVQK	3	S298s	Q2KHS9	Igh protein	0	0	0	3.3E+08	0	0	0	0	0	0	0
AEsPETSAVESTQSTPQK	3	S265s	Q3TNZ4	Androgen-induced prostate proliferative shutoff associated protein AS3	0	0	0	0	0	0	0	0	0	0	0
WFyHPEETKLGK	3	Y749y	Q3TPP4	BAH and coiled-coil domain-containing protein 1	0	0	0	0	0	0	0	0	0	5.3E+07	0
ySLPSKFSDFLLDPYK	3	Y282y	Q3URP5	Tyrosine-protein kinase BAZ1B	0	0	0	0	0	0	0	0	0	0	0
CsHALIRGVPEsLASGEGAGAGLPALDLAK	3	S12s S22s	O08972	Dimethylarginine dimethylaminohydrolase 2	1.2E+09	0	0	0	0	0	0	0	0	0	0
ADsGDYVCKASNVAGsDTSK	3	S2316s S2329s	Q7TN00	Cardiac titin N2BA isoform	5.9E+08	0	0	0	0	0	0	0	0	0	0
SGRDFsKPVEDNIsDK	3	S446s S454s	P48754	Brca1	0	0	0	0	0	0	0	0	0	7.2E+07	0
GDsGMPGPPGPPGPPGEVIQPLPILsPKK	3	S203s S226s	P20909	Collagen alpha-1	0	0	0	0	0	0	0	1.6E+09	0	0	0
GLYDGPVCEVSVtPK	2	T509t	O08553	Dihydropyrimidinase-related protein 2	7.7E+07	0	0	0	0	9.1E+07	0	0	0	0	0
AGsISTLDSLDFAR	2	S180s	Q148V6	2310035C23Rik protein	5.4E+07	4.5E+08	5.8E+08	5.7E+08	3.9E+08	1.6E+08	0	0	0	0	0
GHTDsVQDISFDHSGKLLA	3	S152s	Q5SW17	Platelet-activating factor acetylhydrolase, isoform 1b, beta1 subunit	0	0	0	0	0	0	0	0	0	6.5E+08	0
KIESSVLGSLSsGSLTGFSFSPGNsSLFGK	3	S286s* S299s*	O08587	Nucleoporin 50 kDa	0	0	0	0	2.8E+07	0	0	0	0	0	0
EEVKPASDPGGNQTEVSVTtAMTTMSENKTK	3	T186t	P51907	Excitatory amino acid transporter 3	0	0	0	9.9E+07	0	0	0	0	0	0	0
sTDSSSSVSGSLQQETK	2	S68s	Q3USG8	hypothetical protein	0	1.3E+08	1.2E+08	2.2E+08	1.2E+08	0	0	0	0	0	0
LHINyNNLtESVGPLPKSLQDLQLTNNK	3	T129t Y125y	P51885	Lumican precursor	0	0	0	0	0	1.6E+08	0	0	0	0	0
YLsETLTsHNRSLK	3	S294s S299s	Q14B04	Lrrc34 protein	2.3E+07	0	0	0	0	0	0	0	0	0	0
FSLsPSLGPQASR	2	S234s	Q8BXQ8	Protein FAM53C	0	8.9E+07	5.3E+07	4.3E+07	0	0	0	0	0	0	0
EVLQGLAyLHsEKK	3	Y127y S130s	P70218	Mitogen-activated protein kinase kinase kinase kinase 1	0	0	0	0	0	0	0	0	0	0	0
TIILNPQIMLsLyLSPECKK	3	Y85y S83s	Q7M745	Allergen dI chain C2D	0	0	0	1.4E+08	0	0	0	0	0	0	0
VNGAVPsAFPNLyQLALR	3	Y297y S291s	Q8K3I5	MAGEB3	0	0	0	0	0	2.3E+08	0	0	0	0	0
EEGsPDSYELsPQLEELITKVSK	2	S176s S183s	P18911	Retinoic acid receptor gamma-A	0	0	0	4.9E+08	0	0	0	0	0	0	0
TAsGSSVTSLEGTR	2	S330s	Q3TD08	N-myc downstream regulated 1	2.9E+07	0	6.6E+07	2.5E+08	0	5.3E+07	0	0	0	0	1.8E+08
SCPHPSETVVMsK	3	S166s	P21765	Epididymal secretory glutathione peroxidase precursor	0	0	0	0	0	0	0	6.2E+07	0	0	0
NsAEIAPPLPVR	2	S176s	Q91YL4	Dedicator of cytokinesis 5	0	0	0	0	0	4.1E+08	0	0	0	0	0
DKPSsDNWFWAGEDSGINSWFWKGEELsNNSVAK	3	S107s S130s	Q3U0C1	Basic helix-loop-helix domain containing, class B9	0	0	0	0	0	0	0	0	0	0	0
AADEGSTEKQEGEtPMAADGETNGSCEK	3	T14t	Q5EBR1	Ehmt1 protein	1.2E+08	0	0	0	0	0	0	0	0	0	0
VIAPNsIGFGKESER	3	S302s	P26342	TGF-beta receptor type III precursor	0	0	3.6E+07	0	0	0	0	0	0	0	0
FsVDKDHLVVSDVK	2	S595s	P97686	Neuronal cell adhesion molecule precursor	0	1.4E+09	0	0	0	0	0	0	0	0	0
AEKEVQsPPPSTsWRPR	3	S38s S44s	P22388	Endothelin-1 precursor	0	0	0	0	0	0	0	0	0	0	0
LRsSPDVSEDENYIK	3	S124s	Q6AYK0	Hypothetical protein LOC499094	1.4E+08	0	0	0	0	0	0	0	0	0	0
GLGSSGWKPEAGLsPPR	3	S114s	Q5BK74	Transcription elongation factor A	0	3.3E+07	0	0	0	0	0	0	0	0	0
VYYHSASsLEEIYAGTRFK	3	S459s	Q8K030	BC035947 protein	0	0	0	0	0	0	0	0	0	0	0
APPPQAsPARASPAR	3	S61s	Q5U405	Transmembrane protease, serine 13	0	0	0	0	0	0	0	0	0	0	0
IsSLMLPNAASISSASPSsSR	3	S225s S242s	Q3UZH4	ELK3, member of ETS oncogene family	0	0	0	0	0	0	0	0	2.4E+07	0	0
QELMKWNGWGYNDsK	3	S87s	Q9EQR2	Alkyldihydroxyacetonephosphate synthase, peroxisomal precursor	0	0	0	0	0	0	0	0	0	0	0
IGELGAPEVWGLsPK	2	S95s	Q3TV39	Nuclear NF-kappaB activating protein	0	0	0	0	2.7E+07	0	0	0	0	0	0
SSSNESLIFSGNQGRGSSPHTPSSLsNSIPCR	3	S217s	Q4V8I3	Tensin 4	0	0	0	0	0	0	0	0	0	0	0
yPGEGLQLLLKVITAGQK	3	Y60y	Q5R1D8	TRAV6-6	0	0	0	0	0	0	0	0	0	0	0
MAAANPWDPASSQTAAGLLLNHLVASGIVTKEMLDVs	3	S37s	Q9CQS9	Centrosomal protein of 27 kDa	0	0	0	0	0	0	0	0	0	0	0
HDLPsEGAKVFSNGHLAPEEYDVPPR	3	S648s	Q8K4S7	E3 ubiquitin-protein ligase CBL-B	0	0	0	0	0	0	0	0	7.2E+08	0	0
LQHGSTEtASPSIKSSTSSSVGTEVTETPAHSVPHTR	3	T46t	Q3U5B6	Neuron navigator 1	0	0	0	0	0	0	0	0	0	0	0
GLVAAYsGDSDNEEELVER	2	S621s	Q3UZ19	RNA binding motif protein 5	0	8.2E+07	0	0	0	0	0	0	0	0	0
GFNGCDsPEPDGEDSLEQSPLLEDK	3	S98s	O89038	MEF2D protein	0	6.2E+07	0	0	0	0	0	0	0	0	0
LGQsASLNPPIR	2	S49s	Q4KLY1	Rad and gem related GTP binding protein 1	0	0	3.2E+08	4.6E+07	2.2E+07	0	0	0	0	0	0
yHLNDWMEERyR	3	Y65y Y75y	Q9WUE6	Alpha 1,2-fucosyltransferase C	0	0	0	0	0	0	0	9.6E+08	0	0	0
EAGELPtSPLHLFSSANNR	3	T66t	P59178	Lethal(3)malignant brain tumor-like protein 2	0	0	0	0	0	0	0	0	0	0	0
HLCTPRQDyGVVVSGVSEDPDLANR	3	Y684y	O88338	Cadherin-16 precursor	0	0	0	0	5.5E+07	0	0	0	0	0	0
sEGSPVLPHEPSK	2	S330s	P83510	Traf2 and NCK-interacting kinase	0	9E+07	4.8E+07	7.8E+07	1E+08	0	0	0	0	0	0
DDPGSPHKEQQGQQSSsVSAVSPDPQ	3	S326s	Q4KLI2	RNA (guanine-9-)-methyltransferase domain-containing protein 2	0	4.5E+08	0	0	0	0	0	0	0	0	0
YMISTSEtIIDINGTVMNYSGWSHR	3	T795t	Q6TY19	ADAMTS5	0	0	0	0	0	0	0	0	3.1E+09	0	0

VFNPLQsSTFLVSGRPVNVAYGSGEMSGFLAYDTVK	3	S121s	Q9JJX2	Pepsinogen F protein precursor	0	0	0	0	0	2.5E+08	0	0	0	0	0	0
SYsSPDITQALQEEEKR	2	S588s	Q3UQ26	ubiquitin specific protease 8	0	0	6.6E+07	0	0	0	0	0	0	0	0	6.3E+07
SRSPSENGsVIsNESGKPSSGR	3	S289s S292s	Q8BXF0	Putative uncharacterized protein	0	0	0	0	0	0	0	0	0	0	0	0
ACsQGELSVCSCDPYTRGR	3	S157s	O70283	Protein Wnt-2b precursor	0	0	0	0	0	0	0	0	0	0	0	0
MDSLQMKQFsVLLWK	3	S10s	Q6XBG3	ATP-binding cassette transporter sub-family A member 14	0	0	0	0	0	0	0	0	0	0	0	0
NQSLGQsAPSLTAGLK	2	S88s	Q60592	Microtubule-associated serine/threonine-protein kinase 2	0	0	0	3.3E+07	0	0	0	0	0	0	0	0
GTSDSSSGNVSEGDsPPDSQEDTFQGR	3	S243s	Q4V7A6	PHD finger protein 10	0	0	2.5E+08	0	0	0	0	0	0	0	0	0
SSsTSDILEPFTVER	2	S796s	Q6GYP7	GTPase-activating RapGAP domain-like 1	0	1.5E+08	5.7E+07	0	0	0	0	0	0	0	0	0
SFsLDPLMER	2	S120s	Q3UGR8	Tenc1 protein	0	1.1E+08	9E+07	0	0	0	0	0	0	0	0	0
AAsDPLLSSVSPAVSK	2	S512s	Q3U1L5	transcription factor E3,	0	2E+08	0	0	0	1.3E+08	0	0	0	0	0	0
AHTPTPGIYMGRPTHsGGGGGGGGGGGGGGGGGGG	2	S213s	Q6PFR5	Transformer-2 protein homolog	0	0	0	0	0	0	0	0	0	0	0	0
MtDILPQPDCSLK	2	T2t	Q5SSL0	Active BCR-related gene	0	0	0	0	5.8E+08	0	0	0	0	0	0	0
sLQSLLGPSSK	2	S459s	Q9D2V7	Coronin-7	3.8E+07	4.3E+07	3.3E+07	0	0	0	0	0	0	0	0	0
GsSISDLADSVAYQSR	2	S103s	Q30A01	GABA-B receptor-interacting scaffolding protein	4E+07	3.9E+07	0	0	0	0	0	0	0	0	0	0
EPEtPPPPTGPVATDSK	2	T20t	Q505I4	Hypothetical protein RGD1305713	0	9E+07	0	5.8E+07	1.2E+08	0	0	0	0	0	0	0
sLSASPALGSTK	2	S46s	P58058	NAD kinase	0	0	0	0	0	0	0	0	0	0	0	0
AGFGTKGSSSSVTsR	2	S50s	P48675	Desmin	0	0	0	0	0	0	0	0	0	0	0	0
EELEALRTAFEsGDIPQAASR	2	S32s	Q6AYF9	Interferon-inducible GTPase 5	0	0	0	0	0	0	0	0	0	1.1E+08	0	0
HNSTGLGNVSVsLVPPSK	2	S156s	Q3KP70	Neurexophilin 2	6.6E+08	0	0	0	7.2E+08	1.3E+09	0	0	0	0	0	0
sESPKEPEQLR	2	S3s	P04256	Heterogeneous nuclear ribonucleoprotein A1	0	0	0	0	0	0	0	0	0	0	0	0
sPGGPGPLTLK	2	S336s	Q3TCR9	Zyx protein	0	0	0	0	0	0	0	0	0	0	0	0
NSSPGGSPGDPSsPTSsVSPGSPPSSPR	2	S544s S548s	Q3UYI5	ral guanine nucleotide dissociation stimulator-like 3	0	0	0	0	0	0	0	0	5.5E+08	0	0	0
HCHHVAEPSLsR	2	S264s	Q3T9R4	F-box only protein 37	0	0	0	0	0	0	0	0	0	0	1.2E+09	0
KsSVEGLEPAENK	2	S44s	P16254	Signal recognition particle 14 kDa protein	0	0	0	0	0	0	0	0	0	0	0	0
DQSsPLSAAETLK	2	S267s	P81068	Iroquois-class homeodomain protein IRX-1	0	9E+07	0	0	0	0	0	0	0	0	0	0
YQtQPVTLGEVEQVQSGK	2	T811t	Q8K4L2	Archvillin	0	0	0	8.7E+07	0	0	0	0	0	0	0	0
NTGINLTCSsK	2	S164s	O35531	Membrane glycoprotein precursor	0	0	0	0	0	0	0	0	3.7E+07	0	0	0
GSGQQAPsNVSGGLLVHR	2	S105s	Q8CHH5	MKIAA0240 protein	0	0	0	0	0	0	0	0	0	0	0	0
NtFHSNELSSIEQR	2	T4t	Q80ST4	KLRE1 short splice variant	0	1.5E+08	0	0	0	0	0	0	0	0	0	0
LGLLGHDLNPGsLK	2	S230s	P30099	Cytochrome P450 11B2, mitochondrial precursor	0	0	0	0	0	0	0	0	0	0	0	0
SKsETSLLSSR	2	S19s	Q8K3Z1	Alpha1,3 galactosyltransferase	0	0	0	0	0	0	0	0	0	0	0	2.9E+07
SSTLSSGSVSLsPK	2	S705s	P70324	T-box transcription factor TBX3	0	1.3E+08	0	2E+08	0	0	0	0	0	0	0	0
RLsTLILHGGGtVCR	2	T52t S43s	Q8BPK1	telomeric repeat binding factor 2, interacting protein	0	0	2E+09	0	0	0	0	0	0	0	0	0
GEPGHPGVDGAtGPRGAPGLK	2	T283t	Q8K4G2	Collagen alpha-1	0	0	0	0	0	0	0	1.8E+09	0	0	0	0
AHFsIsNSAEDPFIAIHADSKL	2	S490s S492s	P00688	Pancreatic alpha-amylase precursor	0	0	3E+09	0	0	0	0	0	0	0	0	0
CGAVVAPISDMKLyAsAFSER	2	Y684y S686s	Q6NXK7	Inactive dipeptidyl peptidase 10	0	0	0	0	1.4E+09	0	0	0	0	0	0	0
StGDGDALPLSLGYK	2	T97t	Q62967	Diphosphomevalonate decarboxylase	0	0	0	0	0	3E+07	0	0	0	0	0	0
IPsGGPDAtGHGLRPRSGAIR	2	T49t S43s	Q8C112	Putative uncharacterized protein	0	0	0	0	0	0	0	0	0	0	0	0
VLENsFAQNPLPPEEELDRLR	2	S625s	Q3UPQ8	zinc fingers and homeoboxes 3	0	0	1.2E+08	0	0	0	0	0	0	0	0	0
RNsLTGEEGELAK	2	S101s	Q99P55	Sphingosine-1-phosphate phosphatase 1	0	0	0	0	0	0	0	6E+07	6.9E+07	0	0	0
ALQEGEGDLsISADRLsEK	2	S305s S312s	Q3U716	cysteinyl-tRNA synthetase	0	0	0	0	0	0	0	0	0	0	0	0
TtGAMRGHtSAATGK	2	T105t T112t	Q642B6	THAP domain-containing protein 4	0	0	0	4.6E+08	0	0	0	0	0	0	0	0
VsSLSPEQEQGLWK	2	S190s	Q80XP8	Protein FAM76B	0	0	0	0	9E+07	0	0	0	0	0	0	0
SLsIEIGHEVK	2	S50s	O35623	BET1 homolog	0	0	0	0	0	0	0	2.6E+07	0	0	0	0
SNFtPPTNGACSHP	2	T79t	Q6ZZ96	MHC class II antigen	1.5E+08	0	0	0	0	0	0	0	0	0	0	0
LFsNYDSSVRPAR	2	S36s	P09690	Acetylcholine receptor protein subunit beta precursor	0	0	0	1.7E+08	0	0	0	0	0	0	0	0
sQMEFSISSLSIQEPSAATVTSDAR	2	S130s	Q3TCS2	hypothetical protein	0	0	0	0	0	0	0	0	0	0	0	0
SLsPSHLTEDR	2	S143s	Q9CT50	hypothetical Arginine-rich region containing protein	0	0	0	0	0	0	0	0	0	0	0	0
EGsPAPLEPEPGASQPK	2	S321s	Q3UCQ1	Forkhead box protein K2	0	0	0	0	3.3E+08	0	0	0	0	0	0	0
FSTYsQSPPDTPSLR	2	S43s	Q4FZU8	2310066E14Rik protein	0	0	0	0	0	0	0	0	0	0	0	0
tWtAAGDLLQK	2	T134t T136t	P23943	Endothelin-2 precursor	0	0	0	0	0	0	0	0	0	0	0	4.1E+07
VTVLTHLNtGALATAGYGTALGVIR	2	T170t	Q8BXF6	Methylthioribose-1-phosphate isomerase	0	0	0	0	0	0	0	0	0	0	0	0
AVAVDLPGFGNsAPsK	2	S108s S111s	Q5I0C4	Abhydrolase domain containing 14A	0	0	0	0	0	5.7E+08	0	0	0	0	0	0
DGSRGsESAsGVVGHLAK	2	S228s S232s	Q63259	Receptor-type tyrosine-protein phosphatase-like N precursor	0	2.9E+09	0	0	0	0	0	0	0	0	0	0
QEFGGGGsSVPPER	2	S723s	Q148X6	ADAMTS-like 4	0	0	0	0	0	0	0	0	0	0	0	0
IDsTEVIYQPR	2	S31s	Q3TAE0	serine/threonine kinase 11	0	0	1.7E+08	0	1.4E+08	0	0	0	0	0	0	0
SsQDGKVTVEtEDSR	2	T64t S55s	Q1WNQ4	Myosin, heavy polypeptide 3, skeletal muscle, embryonic	0	0	0	0	0	0	0	0	0	0	0	0
tHtDERPHACHLCNR	2	T289t T291t	Q20D61	Zinc finger protein 206 variant 3	0	0	0	1.4E+09	0	0	0	0	0	0	0	0
VDEEtSQDSLSQNK	2	T524t	Q923W1	Trimethylguanosine synthase	0	2.6E+08	0	0	0	0	0	0	0	0	0	0
DEPFGGPPGSSsSsR	2	S786s S788s	Q8CD02	WDC146 homolog	0	0	0	0	2E+08	0	0	0	0	0	0	0
SFsQPGLR	2	S231s	Q3TXH9	TBC1 domain family, member 1	0	0	0	0	0	0	0	0	0	0	0	0
EyVPtDLVDSK	2	T100t Y97y	O35181	Pro-neuregulin-3, membrane-bound isoform precursor	0	0	0	0	0	3.6E+08	0	0	0	0	0	0
LGKALENLsR	2	S158s	Q3UVZ9	VEST-1 protein homolog	0	0	0	0	0	0	0	0	0	0	0	0
KPEKPLFSStSPQDSSPR	2	T327t	O70185	NF1-B protein	0	0	0	0	0	0	0	0	0	0	0	0
FTQYLsTSPALQR	2	S619s	Q6TUG2	LRRGT00082	0	0	0	0	0	0	0	0	0	0	0	0
LDSSHINSTsMTPNGtEVK	2	T40t S34s	P97767	Eyes absent 1	0	0	0	0	0	2.1E+08	0	0	0	0	0	0
sGMEFNDHNAHAQSDGKEK	2	S3501s	Q4U4S6	XIN2 protein	0	0	0	0	4E+08	0	0	0	0	0	0	0
DGsPGEPGANGVPGNPGER	2	S468s	P13941	Collagen alpha-1	0	0	0	0	0	0	0	0	0	0	0	0
SsVSDFEAAGGRPSVV	2	S373s	Q5FVG6	Rho GTPase activating protein 8	0	0	0	0	6.6E+07	0	0	0	0	0	0	0
AVsETEDLQGPR	2	S115s	Q6DGF4	Zinc finger A20 domain-containing protein 3	0	0	0	0	0	1.2E+08	0	0	0	0	0	0
KsCsPASGLPFSPR	2	S1160s S1162s	O70608	Synaptonemal complex protein 2	0	0	0	0	0	2.5E+08	0	0	0	0	0	0
LIysMSLTMFPTNNNSK	2	Y298y S299s	Q8HID0	NADH dehydrogenase subunit 2	0	0	0	0	0	0	0	0	1.4E+08	0	0	0
NSsSPPSPSSMNQR	2	S8s	Q8BJC6	Putative uncharacterized protein	0	5.9E+07	0	0	0	0	0	0	0	0	0	0

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Electronic Supplementary Material (ESI) for Molecular BioSystems
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Supplementary Table 4. Phosphorylation sites changed after insulin injection

Sequence	Phosphosites	Acc.#	Protein Name	Function
Phosphorylated in cytosol				
AFPDKFYLEPTsPPTTDGFK	S626s	Q99MF8	Glycogen synthase	Metabolism
AFPDKFHLEPtSPPTTDGFK	T626t	Q99MF8	Glycogen synthase	Metabolism
SSSsPELQTLQDILGDLGDK	S1390s	P49816	tuberous sclerosis 2	Signalling
NsFTPLSSSNTIR	S469s	P70265	6-phosphofructo-2-kinase/fructose-26-biphosphatase 2	Metabolism
ASPASPVsPSDCPSPR	S1014s	P59808	SAM and SH3 domain-containing protein 1	Signalling
QTPPASPSPQPAEDRPPsSPIYEDAAPLK	S380s	Q66HL2	Cortactin isoform B	Motility/structure and Protein transport
TGSsSPPGGLSKPGSQLDSMLGSLQSDLNK	S287s	Q1EG89	Myocardial ischemic preconditioning associated protein 7	Unknown
tRSLPITIEMLK	T455t	Q8C7U9	Phosphatase and actin regulator 4	Signalling
sQSSSSCSNPISVPLR	S265s	P35570	Insulin receptor substrate 1	Signalling
SsPFKVsPLSFGR	S286s S291s	Q66H98	Serum deprivation-response protein	Protein transpoprt
RHQDGLPYIDDsPSSSPHLSSK	S250s	Q6PAJ1	Bcr protein	Signalling
YQVQsQENFEPFMK	S11s*	P02692	Fatty acid-binding protein liver	Small molecules transport
APVVLQPEQIVsEEETPPPLLTK	S353s	Q80TU6	MKIAA0670 protein	Unknown
AAQASLsALNDPSAVEQALQEK	S935s	O55147	Rattus norvegicus utrophin	Motility/structure
DLENFVKWLQEAETtANVLADAsQR	T2452t* S2460s*	O55147	Rattus norvegicus utrophin	Motility/structure
STPEsGESDKESVGSSSLGNEGSR	S464s	Q8CFS0	Za20d1 protein	Signalling/Degradation of macromolecules
EDFDStSSSSTPPQPR	T82t	Q3TU30	cullin 4B	Signalling/Degradation of macromolecules
VISHDRDSPPPPPPPPPPPQPQPtLK	T150t	Q80TD6	Protein virilizer homolog	Gene expression
GCDsPDPDTSYVLTPHTEEK	S98s	Q2MJT0	Myocyte-specific enhancer factor 2A	Gene expression
ATsPLVSLYPALECR	S460s	Q2YDU3	OTU domain-containing protein 5	Cell defence
IQPQLPDEDGNEsDKEDEQPQVVVLK	S50s	Q5RKH3	Hypothetical protein RGD1311745	Unknown
tSDNPDFNyTSFDSFAWAFLSLFR	T327t Y335y	Q6QIY3	Sodium channel protein type 10 subunit alpha	Small molecules transport
NsPGLLVSPGNLNK	S222s	Q3V1B5	myocyte enhancer factor 2C	Gene expression
ASPSPSLSSYSDPDSGHyCQLQPPVR	Y490y	Q9QZS8	SH2 domain-containing protein 3C	Signalling
SsSLGSYDDEQEDLTPVQLTR	S321s	Q6P904	Protein FAM13A1	Unknown
Dephosphorylated in cytosol				
IALNLEECALsPISQEPR	S403s	Q3MID9	Ogfr protein	Unknown
KtASFGNILDVPEIVISGNGQPR	T415t	Q923A8	Map3k7 protein	Signalling
IKTEPSsPLSDPSDIIR	S435s	Q3UM76	Mammary gland RCB-0526 Jyg-MC	Unknown
GQESEyGNITYPPALR	Y538y	P81718	Tyrosine-protein phosphatase non-receptor type 6	Signalling
QGsFTIDKPSSNIPIELIPHINK	S789s	Q91Y79	KARP-1-binding protein 1	Signalling
QESLGSLPSEVRVTHVGHCGEDGVTAtR	T203t	Q3V3Z2	SCAN-KRAB-zinc finger gene 1	Gene expression
sNSVEKPVSSLLSR	S327s	O08719	Ena/VASP-like protein	Motility/Structure
VLEASPGRPSSMDtPLSPTAFIDSILR	T323t	P38532	Heat shock factor protein 1	Gene expression
sLQSLLGPSSK	S459s	Q9D2V7	Coronin-7	Protein transport
GsASSDLELTEAELATAEAVR	S309s	Q5HZB2	Formyltetrahydrofolate dehydrogenase	Metabolism
RGsGDTSISMDTEASIR	S88s	Q66HF9	Leucine-rich repeat flightless-interacting protein 1	Gene expression
QTLINIPSLNDSDsEVEDISEIESNR	S380s*	Q3ZB99	Tight junction protein 2	Motility/Structure
TsPADHGGSVGSESGGSAVDSVAGEHSVSGR	S2897s	Q2TL32	ZUBR1	Degradation of macromolecules
RFsDFLGLYEK	S188s	Q99N27	Sorting nexin-1	Protein transport
sQDLGVQFPGDR	S225s	Q3UH79	capicua homolog	Gene expression
TMtTNSSDPFLNSGTYHSR	T344t	Q2EJA0	Yes-associated protein	Gene expression
AAsLNYLNQPNAAPLQTSR	S590s	Q5PQM2	Kinesin-like 8	Motility/Structure

TPsDVKELVLDNCR	S17s	P49911	Acidic leucine-rich nuclear phosphoprotein 32 family member A	Signalling
SLsNVGDPEIIK	S93s	P47245	Nardilysin precursor	Degradation of macromolecules
KPVLPALTINPTIAEGPsPTSEGASEAHLVDLQK	S23s	P36506	Dual specificity mitogen-activated protein kinase kinase 2	Signalling
KLEEALsTEGAEENGNSDK	S524s	Q8K3W9	Protein phosphatase PP2C gamma	Signalling
NEEENIySVPHDSTQGK	Y1105y	P81128	Glucocorticoid receptor DNA-binding factor 1	Gene expression
NLNLVsSTASIKDLADVDLR	S769s	P81128	Glucocorticoid receptor DNA-binding factor 1	Gene expression
LAWVGDVFTTTPTDPRPLTsPLR	S809s	Q6MG48	Protein PRRC2A	Gene expression
AESSSsISSSASLSAANTPTVGVSR	S510s	Q3UQN2	Fcho2 protein	Motility/Structure
AAKPEQVLEPSTVPSTLLRPPEsPDAVPEIPR	S568s	Q8VIP2	Carbohydrate responsive element binding protein	Signalling
CSPVPGLSSsPSGSPLHGK	S267s	Q5SWI0	Breast carcinoma amplified sequence 3	Unknown
LSENSGDENMSDVTFDSLPSsPSSATPHSQK	S395s	O08796	Elongation factor 2 kinase	Signalling
sANQSPQSVGSSGIDSGVESTSDSLR	S468s	Q5XIM8	Lipin 1	Signalling and Metabolism
VQsSPNLLAAGR	S27s	O35413	Sorbin and SH3 domain-containing protein 2	Signalling
RMStEGGEELPVSVLDEVTIK	T189t	Q9JHX4	Caspase-8	Degradation of macromolecules
RTSsLDTITGPYLTGQWPR	S163s	Q8K3I9	Testhymin	Signalling
SQNSAFLDLGDENEIQLsK	S360s	Q62717	Calcium-dependent secretion activator 1	Protein transport
KEsAPQVLLPEEEK	S560s	O55043	Rho guanine nucleotide exchange factor 7	Signalling
SAsDASISSGTHGQYSILQTAK	S1139s	O55207	Synaptojanin-2	Protein transport
TTsPDLFESQSLTSASSKPSSAR	S488s	Q505I9	Epsin 2 isoform b	Protein transport
VSAGRLtPESQSKPLETSK	T1217t	Q62910	Synaptojanin-1	Protein transport
LGSSEsLPCTAEELSR	S214s	Q3U4V4	Protein kinase D2	Signalling
HLPsPPTLDSIITEYLR	S999s	Q6P1E2	Vpr-binding protein	Gene expression
LLQEGSPsDITTLSVEPEKK	S704s	P70365	Nuclear receptor coactivator 1	Gene expression
TDVSNFDEEFTGEAPTLsPPR	S920s	P70268	Serine/threonine-protein kinase N1	Signalling
GQVtPPEQIFHLVPSPEELANSLR	T304t	P50745	Lymphocyte-specific adapter protein Lnk	Signalling
SVsEAALAQPEGLLGTDSLKK	S865s	P15304	Hormone-sensitive lipase	Metabolism
TDEIYIAGsPLTPR	S636s	O55081	Retinoblastoma-like protein 2	Signalling
AMEGIPTQDSQPEDRsPELSR	S116s	Q99MM4	TRAF-interacting zinc finger protein FLN29	Signalling, Cell defence
SSsTSDILEPFTVER	S796s	Q6GYP7	GTPase-activating RapGAP domain-like 1	Signalling
SFsLDPLMER	S120s	Q3UGR8	Tenc1 protein	Signalling
GsSISDLADSVAYQSR	S103s	Q30A01	GABA-B receptor-interacting scaffolding protein	Signalling
Phosphorylated in endosomes				
TVLsLFDEDEDKVEDDSNTCAPQGGLEK	S795s	Q80X08	WASH complex subunit FAM21	Protein transport
KASALFSsDEEDQWSVADSQTK	S611s	Q80X08	WASH complex subunit FAM21	Protein transport
ELEKPIQSKPQsPVIQATAGsPK	S218s S227s	Q7TSU1	Brefeldin A-inhibited guanine nucleotide-exchange factor 2	Protein transport
HYEDGYPGGSDNYGsLSR	S230s	Q80XQ4	Catenin delta-1	Motility/Structure
KYsSCSTIFLDDSTVSQPNLK	S99s	Q8BGU5	Cyclin-Y	Signalling
sSYLDEDQVIEYR	S1817s	P41413	Proprotein convertase subtilisin/kexin type 5 precursor	Degradation of macromolecules
Dephosphorylated in endosomes				
LLKPGEEPSEYtDEEDTK	T205t	P70580	Membrane-associated progesterone receptor component 1	Signalling
KQtPPASPsPQPAEDRPPSSPIYEDAAPLK	T364t S370s	Q66HL2	Cortactin isoform B	Protein transport
NLsPGAVESDVR	S173s	Q8BTF0	COATOMER ALPHA SUBUNIT	Protein transport
STLPVDEGsPLEKLEQK	S618s	Q5M7W5	Microtubule-associated protein 4	Motility/Structure
sNSLPHSAVSNAGSK	S82s	Q3ULP2	2310040A13Rik protein	Unknown
WVEENVPSSVTDVALPALLDsDEER	S543s	Q8BU98	Tmem87a protein	Unknown
VHAYFAPVtPPPSVGGsR	T417t S425s	Q3UMN2	F-box/LRR-repeat protein 20	Signalling

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AEAPPEQREDsGTFSLGK	S18s	Q4V8C7	Interferon-inducible double stranded RNA-dependent protein kinase activat	Signalling
RNsLTGEEGELAK	S101s	Q99P55	Sphingosine-1-phosphate phosphatase 1	Metabolism

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