

Table 2S. Differential proteins identified by shogun analysis in WT experiment: peptide details

Accession ^a	protein name ^b	modification ^c	sequence ^d	start ^e	Length ^f	score ^g	z ^h	m/z ⁱ		
P0CG48	Polyubiquitin-C		TLSDYNIQK	586	9	108.35	2	541.282		
			ESTLHLVLR	671	9	124.08	2	534.315		
			TITLEVEPSDTIENVK	239	16	264.4	2	894.4726		
			IQDKEGIPDQQR	257	13	88.92	3	508.5963		
			EGIPDQQR	489	9	48.21	2	520.2624		
			LIFAGK	118	6	56.22	1	648.4062		
			QIFVK	1	5	55.88	1	634.3908		
			IQDK	181	4	13.63	1	503.2872		
			TITLEVEPSDTIENVK	163	16	26.42	3	596.6549		
			IQDKEGIPDQQR	637	13	78.77	3	508.6005		
			TLSDYNIQKESTLHLVLR	586	18	58.54	4	533.300		
			TLTGKTITLEVEPSDTIENVK	310	21	26.7	3	763.4107		
			TLSDYNIQKESTLHLVLR	586	18	17.01	3	737.3748		
		P08107	Heat shock 70 kDa protein 1A/1B		VEIANDQGNR	25	11	186.66	2	614.8208
					TTPSYVAFTDTER	36	13	187.51	2	744.3601
					ATAGDTHLGGEDFDNR	220	16	105.26	3	559.2482
	HWPFQVINDGDKPK			88	14	83.82	3	560.9522		
	IINEPTAAAIAYGLDR			171	16	220.44	2	844.4579		
	LLQDFNGR			348	9	108.35	2	555.2911		
	DAGVIAGLNVLR			159	12	165.25	2	599.3528		
	LVNHFVEEFK			236	10	127.43	3	421.2192		
	NALESYAFNMK			539	11	147.93	2	644.3094		
	FGDPVVQSDMK			77	11	150.94	2	611.7972		
	NQVALNPQNTVFDAK			56	15	230.1	2	829.932		
	Carbamidomethyl+C(5)			FEELCSDLFR	301	10	106.47	2	658.3069	
	STLEPVEK			311	8	98.81	2	451.7456		
	SAVEDEGLK			550	9	93.13	2	474.2385		
	Carbamidomethyl+C(1)			CQEVISWLDANTLAEKDEFEHK	573	22	85.5	4	666.3156	
	AQIHDLVLVGGSTR			328	14	174.67	3	489.2741		
	LSKEEIER			509	8	42.93	2	502.273		
	Carbamidomethyl+C(14)			AAAIGIDLGTTYSCVGVFQHGK	3	22	95.4	3	755.7218	
	Carbamidomethyl+C(6)			ELEQVCNPIISGLYQGAGGPGGGFGAQQGPK	597	31	77.64	3	1019.1778	
				QTQIFTTYSNQPGLVLIQVYEGER	423	24	39.44	3	929.4662	

P17066	Heat shock 70 kDa protein 6	Carbamidomethyl+C(5)	EIAEAYLGYPVTNAVITVPA YFNDSQR	128	27	67.02	3	1001.1785
			SINPDEAVAYGAAVQAAILMGDK	361	23	77.57	3	768.7279
			FELSGIPPAPR	458	11	39.35	2	592.3334
			MKEIAEAYLGYPVTNAVITVPA YFNDSQR	126	29	18.39	3	1087.5551
			NQVALNPQNTVFDAKR	56	16	18.72	3	605.6606
			VQVSYK	102	6	42.25	2	362.2049
			DISQNK	251	6	14.31	2	352.6783
			YKAEDEVQR	524	9	80.41	2	569.2831
			KFGDPVVQSDMK	76	12	99.37	2	675.8471
			LVNHFVEEFKR	236	11	59.34	3	473.2528
			SKEEIER	510	7	1.02	2	445.7309
			VEDEGLK	552	7	1.37	1	789.4025
			QDFFNDR	350	7	9.31	2	442.2097
			TLEPVEK	312	7	1.02	2	408.2303
			ALNPQNTVFDAKR	59	13	3.76	2	737.3959
			IAGLNVLK	163	8	2.39	1	855.5504
			NDGDKPK	95	7	7.5	1	773.3806
			TTPSYVAFTDTER	38	13	187.51	2	744.3601
			ATAGDTHLGGEDFDNR	222	16	105.26	3	559.2482
			IINEPTAAAIA YGLDR	173	16	220.44	2	844.4579
			FEELCSDLFR	303	10	106.47	2	658.3069
			STLEPVEK	313	8	98.81	2	451.7456
			LLQDFNKG	350	9	93.13	2	541.2868
			HAVITVPA YFNDSQR	142	15	67.49	3	573.2941
			DAGAIAGLNVLK	161	12	42.83	2	585.3393
			ETA EAYLGQPVK	130	12	24.09	2	653.3443
FELSGIPPAPR	460	11	39.35	2	592.3334			
EVLAWLEHNQLAEKEEYEHQK	577	21	15.12	4	656.578			
AQHDDVVLVGGSTR	330	14	20.97	2	726.4092			
STLEPVEK	313	8	1.02	2	442.7403			
VEIANDQGNR	27	11	186.66	2	614.8208			
TTPSYVAFTDTER	38	13	187.51	2	744.3601			
ATAGDTHLGGEDFDNR	222	16	105.26	3	559.2482			
DAGVIAGLNVLK	161	12	165.25	2	599.3528			
NALESYAFNMK	541	11	147.93	2	644.3094			
IINEPTAAAIA YGLDK	173	16	101.7	2	830.4587			
LSKEEIER	511	8	42.93	2	502.273			
P34931	Heat shock 70 kDa protein 1-like							

			QTQIFTTYSNQPGLVLIQVYEGER	425	24	39.44	3	929.4662
			SINPDEAVAYGAAVQAAILMGDK	363	23	77.57	3	768.7279
			LVSHFVEEFKR	238	11	44.12	3	464.25
			AFYPPEISSMVLTK	114	14	134.18	2	807.9203
			IHDIVLVGGSTR	332	12	31.29	3	422.9159
			GVPQIEVTFDIDANGILNVTATDK	471	24	24.05	3	844.1203
		Carbamidomethyl+C(6)	ELEQMCNPIITK	599	12	28.07	2	738.3609
			ETAEAFLGHPVTNAVITVPAAYFNDSQR	130	27	12.77	4	737.6206
P50914	60S ribosomal protein L14		LVAIVDVIDQNR	23	12	99.37	2	677.895
		Carbamidomethyl+C(1)	CMQLTDFILK	53	10	55.99	2	634.829
		Carbamidomethyl+C(7)	ALVDGPCTQVR	35	11	53.15	2	608.3177
			VAYVSFGPHAGK	11	12	36.81	3	411.5504
			MTDFDR	103	6	14.31	2	392.6706
			FVEVGRVAYVSFGPHAGK	5	18	17.01	2	960.5017
Q92841	Probable ATP-dependent RNA helicase DDX17		APILIATDVASR	389	12	118.11	2	613.8616
		Carbamidomethyl+C(6)	GDGPICLVLPTR	162	13	27.16	2	684.876
		Carbamidomethyl+C(3)	STCIYGGAPK	195	10	35.83	2	527.2592
			NFYVEHPEVAR	53	11	71.9	3	454.2248
			LIDFLESGK	225	9	32.48	2	511.2846
			GTAYTFFTPGNLK	436	13	27.16	2	708.8597
			QTLMWSATWPK	271	11	33.16	2	674.8478
			GLDVEDVK	401	8	42.93	2	437.7347
			LIQLMEEIMAEK	326	12	50.48	2	724.3929
			VLEEANQAINPK	456	12	36.81	2	663.3567
			DMVGIAQTGSGK	130	12	31.29	3	388.5228
			QLAEDFLR	285	8	38.16	3	331.1744
			LMQLVDHRGGGGGGGGR	468	17	25.17	3	541.9378
			WDLSELPKFEK	42	11	40.94	2	696.3643
		Oxidation+M(5)	LIQLMEEIMAEK	326	12	36.81	2	732.3729
			NFYVEHPEVA	53	10	2.05	2	602.7801
			LIDFLESG	225	8	1.37	2	447.2381
P60842	Eukaryotic initiation factor 4A-I		LQMEAPHIIVGTPGR	146	15	90.41	3	540.2966
			VLITDLLAR	324	10	78.53	2	557.847
			GIYAYGFEEKPSAIQQR	45	16	106.47	3	609.9872
			ATQALVLAPTR	99	11	136.97	2	570.8445
			VFDMLNR	161	7	67.52	2	447.7308
			GYDVIAQAQSGTGK	68	14	20.97	2	697.857

		KEELTLEGIR	237	10	42.81	2	594.337	
		LNSNTQVVLLSATMPSDVLEVTKK	202	24	21.25	3	863.1458	
		LNSNTQVVLLSATMPSDVLEVTK	202	23	14.17	3	820.4421	
		GIDVQQVSLVINYDLPTNR	334	19	16.31	2	1072.5755	
		DFTVSAMHGDMQK	295	14	20.97	3	527.8979	
		ELAQQIQK	110	8	42.93	2	479.2721	
		VLLSATMPSDVLEVTKK	209	17	6.49	2	916.016	
P08729	Keratin	LQMEAPHII	146	9	3.41	2	526.2887	
		FASFIDK	101	7	67.52	2	414.2146	
		LLEGEESR	394	8	66.1	2	466.738	
		LALDIEIATYR	382	11	74.1	2	639.3649	
		FLEQQNK	110	7	39.58	2	453.7354	
		TLNNK	96	5	27.94	1	589.3348	
		SLDLDGIIAEVK	253	12	34.75	2	636.8644	
		LQAEIDNIK	317	9	48.05	2	522.2956	
		LPDIFEAQIAGLR	136	13	29.87	2	721.9108	
		TAAENEFVVLK	187	11	29.19	2	610.8373	
		GQLEALQVDGGR	149	12	24.09	2	621.8342	
		SIHFSSPVFTSR	1	12	34.3	2	682.8421	
		AKQEELEAALQR	351	12	36.81	3	462.5872	
P17844	Probable ATP-dependent RNA helicase	WTLLEQKSAK	122	11	26.18	3	444.5842	
		APILIATDVASR	391	12	118.11	2	613.8616	
	Carbamidomethyl+C(6)	GDGPICLVLAPTR	164	13	27.16	2	684.876	
	Carbamidomethyl+C(3)	STCIYGGAPK	197	10	35.83	2	527.2592	
		LLQLVEDR	470	8	35.15	2	493.2871	
		WNLDELPK	45	8	38.16	2	507.7692	
	Carbamidomethyl+C(14)	ELAQQVQQVAAEYCR	177	15	19.76	3	598.2879	
		TTYLVLDEADR	241	11	26.18	2	648.324	
		QLAEDFLK	287	8	38.16	2	482.2676	
		TLSYLLPAIVHINHQPFLER	144	20	15.68	3	787.7605	
P61978	Heterogeneous nuclear ribonucleoprotein K	Carbamidomethyl+C(3)	STCIYGGAPK	197	10	1.71	1	1035.4958
		IILDISESPIK	207	12	143.04	2	670.9103	
		NTDEMVELR	37	9	71.21	2	553.7667	
	Carbamidomethyl+C(5);Carbamidomethyl+C(6)	LFQECCPHSTDR	179	12	34.3	3	517.2251	
		RPAEDMEEEQAFKR	21	14	33.97	3	579.279	
		IITITGTQDQIQNAQYLLQNSVK	433	23	80.24	3	863.8074	
		GSYGDLGGPIITTVTIPK	377	19	23.26	4	480.0091	

			LLIHQSLAGGIIGVK	148	15	55.48	3	506.9834
			IDEPLEGSEDR	422	11	39.35	2	630.3005
			VVLIGGKPDR	191	10	28.84	2	527.3311
			GPPPPPPGR	287	9	68.2	2	436.2401
			MPPGR	263	5	27.94	1	557.2886
P25398	40S ribosomal protein S12		TALIHDLGLAR	23	10	54.57	2	533.808
		Carbamidomethyl+C(8)	LGEWVGLCK	84	9	32.48	2	531.2807
			DVIEEYFK	121	8	42.93	2	521.7644
		Carbamidomethyl+C(5);Carbamidomethyl+C(11)	QAHLCVLAASNCDEPMYVK	45	18	31.33	3	712.3372
P46781	40S ribosomal protein S9		LFEGNALLR	70	9	57.24	2	516.7982
			QVVNIPSFIVR	139	11	53.15	2	636.384
			LDYILGLK	93	8	70.87	2	467.7846
			HIDFSLR	155	7	42.59	1	887.4672
P62269	40S ribosomal protein S18		IPDWFLNR	78	8	84.84	2	530.7861
			VITIMQNPR	66	9	40.26	2	536.3046
			IAFAITAIK	25	9	32.48	2	474.3023
			YSQVLANGLDNK	94	12	34.75	2	661.3432
			HFWGLR	124	6	28.28	2	408.22
			FQHILR	8	6	28.28	2	407.2405
			DGKYSQVLANGLDNK	91	15	19.76	3	541.2811
P09923	Intestinal-type alkaline phosphatase		NLVQEWLAK	250	9	47.7	2	550.8133
			FPYLALSK	92	8	70.87	2	469.7728
			ANFQTIGLSAAAR	123	13	76.5	2	660.3641
			SVGVVTTTR	160	9	48.21	2	460.2645
			AGQLTSEEDTLTLVTADHSHVFSFGGYTLR	359	30	17.95	4	813.903
			YEIHRDPTLDPSLMEMTEAALR	294	22	14.62	4	647.8173
			GFYLFVEGGR	323	10	55.99	2	572.7972
			GNEVISVMNR	144	10	113.46	2	559.7924
			VQHASPAGTYAHTVNR	169	16	18.72	3	570.2931
			NLILFLGDGLGVPTVTATR	53	19	78	2	979.0754
		Carbamidomethyl+C(14)	QVPDSAATATAYLCGVK	106	17	24.8	2	876.4474
			GSSIFGLAPSK	389	11	37.94	2	532.2839
			LLSRNPR	316	7	42.59	2	428.2584
			NGKLGPEPLAMDR	78	14	20.97	3	500.2566
		Carbamidomethyl+C(14)	QVPDSAATATAYLCGVKANFQTIGLSAAAR	106	30	23.39	4	763.8879
			GSSIFGLAPSKAQDSK	389	16	18.72	2	796.9121
			FPYLALSKTYNVDR	92	14	28.75	2	843.9476

Q14240	Eukaryotic initiation factor 4A-II	AGQLTSEEDTLTLVTADHSHVFSFGGYTLR	359	30	8.54	4	809.642		
		VLITDLLAR	325	10	78.53	2	557.847		
		GIYAYGFEEKPSAIQQR	46	16	106.47	3	609.9872		
		VFDMLNR	162	7	67.52	2	447.7308		
		GFKDQIYEIFQK	191	12	24.09	2	758.3975		
		GYDVIAQAQSGTGK	69	14	20.97	2	697.857		
		GIDVQQVSLVINIDLPTNR	335	19	16.31	2	1072.5755		
		ESLLR	41	5	27.94	1	617.3619		
		LQAEAPHIVVGTGPR	147	15	19.76	3	515.6244		
		DFTVVSALHGDMQK	296	14	20.97	3	521.9138		
		GFKDQIYEIFQK	191	12	31.29	2	758.3889		
		GIYAYGFEEKPSAIQQR	46	16	18.72	2	954.4623		
		YAYGFEEKPSAIQQR	48	14	3.76	2	829.4199		
		GFKDQIYEIFQK	191	12	13.43	3	499.9224		
P19338	Nucleolin	LELQGPR	554	7	56.56	2	406.736		
		ALELTGLK	362	8	42.93	2	422.7616		
		VEGTEPTTAFNLFVGNLNFNK	297	21	26.7	3	771.3947		
		TLVLSNLSYSATEETLQEVFEK	486	22	22.8	3	834.4353		
		VTQDELKEVFEDAAEIR	403	17	17.81	3	664.6649		
		SISLYYTGEK	457	10	43.62	2	580.8043		
		SAPELK	318	6	28.28	1	644.3658		
		MAPPPK	16	6	14.31	1	640.3512		
		TFEEKQGTEIDGR	444	13	22.39	2	755.3561		
		KFGYVDFESAEDLEK	347	15	19.76	3	592.9552		
		GGGRGGFGGR	656	10	28.84	2	439.2276		
		GGRGGGDHKKPQK	691	14	26.41	3	436.5547		
		P32119	Peroxiredoxin-2	QITVNDLPVGR	139	11	95.06	2	606.3453
				KEGGLGPLNIPLLADVTR	91	18	17.01	3	621.697
GVLR	135			4	27.6	1	444.2924		
POCG39	POTE ankyrin domain family member J	MASGNARIGKPAPDFK	0	16	30.65	2	830.4259		
		AGFAGDDAPR	681	10	121.41	2	488.7305		
		QEYDESGPSIVHR	1022	13	128.46	3	506.2368		
		FTTMAEREIVR	862	11	37.93	2	676.8518		
A5A3E0	POTE ankyrin domain family member F	EIAALAPSMKK	978	11	37.94	2	581.302		
		Oxidation+M() MVAEVD SMPAASSVK	0	15	19.76	3	513.2503		
		AGFAGDDAPR	718	10	121.41	2	488.7305		
		QEYDESGPSIVHR	1059	13	128.46	3	506.2368		

			SYELPDGQVITIGNER	938	16	164.73	2	895.9534
			DILHENSTLR	642	10	50.59	2	599.3106
			FTTMAEREIVR	899	11	37.93	2	676.8518
			EIAALAPSMMK	1015	11	37.94	2	581.302
			STHVGFPENLTNGATAGNGDDGLIPPR	546	27	28.34	4	677.5797
			TTGIVMDSGDGVTHTVPIYEGNALPHATLR	847	30	17.96	3	1041.508
			AVFPSIVGRPRQQGMMGGMHQK	728	22	14.62	4	603.8055
		Carbamidomethyl+C(2)	ICELLSDYKEK	470	11	26.18	3	466.5742
		Oxidation+M()	LDLAGRELPDYLMK	877	14	20.97	3	550.6233
Q05639	Elongation factor 1-alpha 2		IGGIGTVPVGR	255	11	147.93	2	513.308
			STTTGHLIYK	20	10	93.47	2	560.8052
			QTVAVGVK	430	9	65.19	2	457.7852
			QLIVGVNK	146	8	84.84	2	435.7706
			EHALLAYTLGVK	134	12	225.9	2	657.8805
			THINIVVIGHVDSGK	5	15	31.81	2	794.9384
			VETGILRPGMVVTFAPVNITTEVK	266	24	59.2	3	857.8182
			FETTK	79	5	13.97	1	625.3257
			QTVAVGVK	430	9	1.37	2	448.7827
			EHALLAYTLGVK	134	12	2.39	3	432.9131
			IGGIGTVPVGR	255	11	2.05	2	504.2969
P04075	Fructose-bisphosphate aldolase A		IGEHTPSALAIMENANVLAR	153	20	82.24	3	703.0402
		Carbamidomethyl+C(8)	ALANSLACQ GK	331	11	103.01	2	566.7953
			QLLLTADDR	60	9	32.48	2	522.7914
			ADDGRFPQVIK	87	12	99.37	3	448.2404
			GILAADESTGSIK	28	14	91.61	2	666.8604
			ELSDIAHR	14	8	38.16	2	470.7418
			FSHEEIAMATVTALR	243	15	84.84	3	559.29
		Carbamidomethyl+C(1)	CPLLKPWALTFSYGR	289	15	27.84	3	603.6526
		Carbamidomethyl+C(5)	YASICQQNGIVPIVEPEILPDGDHDLKR	173	28	43.42	4	794.9099
		Carbamidomethyl+C(4)	VNPCIGGVILFHETLYQK	69	18	17.01	3	696.7081
			ALQASALK	304	8	70.87	2	401.2446
			IVAPGK	22	6	28.28	1	584.3818
			GVVPLAGTNGETTTQGLDGLSER	111	23	32.09	2	1136.5924
			PYQYPALTPEQK	1	12	39.82	3	478.9107
			RLQSIGTENTEENR	42	14	20.97	3	549.6075
			ENLKAAQEEYVK	318	12	31.29	2	711.368
		Carbamidomethyl+C(1)	CPLLKPWALTFSYGR	289	15	40.22	3	630.3066

P27348	14-3-3 protein theta		FSHEEIAMATVTALR	243	15	7.38	3	553.2859
			NLLSVAYK	41	8	52.13	2	454.2662
			DSTLIMQLLR	212	10	122.66	2	595.3385
		Carbamidomethyl+C(3)	SICTTVLELLDK	91	12	96.36	2	696.383
			YLIANATNPESK	103	12	50.49	3	440.8976
P61981	14-3-3 protein gamma		VFYLK	115	5	13.97	2	335.202
		Carbamidomethyl+C(3)	SICTTVLELLDKYLIANATNPESK	91	24	23.06	3	898.4798
			NLLSVAYK	42	8	52.13	2	454.2662
			DSTLIMQLLR	217	10	122.66	2	595.3385
		Carbamidomethyl+C(6)	ELEAVCQDVLSLLDNYLIK	91	19	27.99	3	745.7288
Q06830	Peroxiredoxin-1		ATVVESSEKAYSEAHEISK	143	19	27.99	3	689.0069
			QITVNDLPVGR	140	11	95.06	2	606.3453
			ATAVMPDGQFK	16	11	104.77	2	582.7941
			TIAQDYGVK	110	10	91.71	2	554.3083
			LVQAFQFTDK	158	10	106.47	2	598.8203
			GLFIIDDK	128	8	66.1	2	460.7586
			ADEGISFR	120	8	56.9	2	447.7237
			SVDETLR	151	7	42.59	2	410.2123
			QGGLGPMNIPLVSDPKR	93	17	28.39	3	593.6508
		Carbamidomethyl+C(3);Carbamidomethyl+C(15)	LNCQVIGASVDSHFCHLAWVNTPK	68	24	13.76	4	689.0877
		Carbamidomethyl+C(5)	HGEVCPAGWKPGSDTIKPDVQK	168	22	33.34	4	602.2994
			DISLSDYK	27	8	42.93	2	470.7371
			QGGLGPMNIPLVSDPK	93	16	25.25	2	811.9198
			KQGGLGPMNIPLVSDPK	92	17	72.8	3	584.3224
			MSSGNAKIGHAPNFK	0	16	18.72	3	552.6179
P26641	Elongation factor 1-gamma		DEGISFR	121	7	1.02	1	823.4024
			AQDYGVK	112	8	8.69	1	893.4788
			ILGLLDAYLK	137	10	107.44	2	559.8476
			EYFSWEGAFQHVGK	414	14	79.11	3	562.2658
			TFLVGER	149	7	39.58	2	411.2254
			ALIAAQYSGAQVR	17	13	120.84	2	674.3793
		Carbamidomethyl+C(5)	WFLTCINQPQFR	189	12	64.46	2	805.4101
			TPEFLR	45	6	42.25	2	381.71
			DPFAHLPK	277	8	38.16	2	462.7534
			STFVLDEFK	285	9	48.21	2	543.2878
			AAGTLYTYPENWR	1	13	57.01	2	771.3853
			VLSAPPHFHFGQTNR	30	15	27.84	2	854.4402

Q04917	14-3-3 protein eta		VLSAPPHFHFGQTNRTPEFLR	30	21	23.57	3	817.759
			NLLSVAYK	42	8	52.13	2	454.2662
			DSTLIMQLLR	217	10	122.66	2	595.3385
			YLAEVASGEK	132	10	28.84	2	533.7752
			EQMQPTHPIR	162	10	35.83	3	412.8709
			AVTELNEPLSNEDR	28	14	20.97	3	529.5958
P68104	Elongation factor 1-alpha 1	Carbamidomethyl+C(22)	LGLALNFSVFYYEIQNAPEQACLLAK	172	26	22.85	3	991.5005
			GDYYRYLAEVASGEK	127	15	19.76	3	574.283
		Oxidation+M(22)	NSVVEASEAAAYKEAFEISKEQMQPTHPIR	143	29	36.85	4	827.1534
			IGGIGTVPVGR	255	11	147.93	2	513.308
			YYVTIIDAPGHR	84	12	179.22	3	468.9101
			STTTGHLIYK	20	10	93.47	2	560.8052
			QTVAVGVK	430	9	65.19	2	457.7852
			VETGVLKPGMVVTFAPVNVTEVK	266	24	149.24	3	839.1325
			QLIVGVNK	146	8	84.84	2	435.7706
		Carbamidomethyl+C(15)	DGNASGTTLEALDCILPPTTRPTDKPLR	219	28	154.97	4	756.145
		Carbamidomethyl+C(16)	KDGNASGTTLEALDCILPPTTRPTDKPLR	218	29	105.79	4	788.1703
		Carbamidomethyl+C(16)	SGDAAIIVDMVPGKPMCVESFSDYPPPLGR	395	28	99.28	3	999.1456
Q5VTE0	Putative elongation factor 1-alpha-like 3		EHALLAYTLGVK	134	12	225.9	2	657.8805
			EVSTYIK	172	7	42.59	2	420.2273
			THINIVVIGHVDSGK	5	15	31.81	2	794.9384
			YYVTIIDAPGHRDFIK	84	16	26.42	3	636.6658
			YEEIVK	166	6	28.28	1	780.4167
			IGYNPDTVAFVPISGWNGDNMLEPSANMPWFK	180	32	106.98	3	1189.9106
		Carbamidomethyl+C(11)	STTTGHLIYKCGGIDK	20	16	18.72	3	584.301
			GSFKYAWVLDK	51	11	44.12	2	657.3483
			TIIDAPGHR	87	9	2.39	2	490.2744
			GTVPVGR	259	7	2.05	1	685.4028
			IIDAPGHR	88	8	2.39	2	439.7471
		Carbamidomethyl+C(6)	LEALDCILPPTTRPTDKPLR	228	19	8.36	3	735.74
Q5VTE0	Putative elongation factor 1-alpha-like 3		IGGIGTVPVGR	255	11	147.93	2	513.308
			YYVTIIDAPGHR	84	12	179.22	3	468.9101
			STTTGHLIYK	20	10	93.47	2	560.8052
			QTVAVGVK	430	9	65.19	2	457.7852
			VETGVLKPGMVVTFAPVNVTEVK	266	24	149.24	3	839.1325
			QLIVGVNK	146	8	84.84	2	435.7706
Carbamidomethyl+C(15)	DGNASGTTLEALDCILPPTTRPTDKPLR	219	28	154.97	4	756.145		

		Carbamidomethyl+C(16)	KDGNASGTTLLEALDCILPPTRPDKPLR	218	29	105.79	4	788.1703
		Carbamidomethyl+C(16)	SGDAAIIVDMVPGKPMCVESFSDYPLGR	395	28	99.28	3	999.1456
			EHALLAYTLGVK	134	12	225.9	2	657.8805
			EVSTYIK	172	7	42.59	2	420.2273
			THINIVVIGHVDSGK	5	15	31.81	2	794.9384
			YYVTIIDAPGHRDFIK	84	16	26.42	3	636.6658
			AAGAGK	444	6	14.31	1	474.2671
			GITIDISLWK	69	10	28.84	2	573.3262
			EVSTYIKK	172	8	35.15	2	484.2722
		Carbamidomethyl+C(16)	KDGNASGTTLLEALDCILPPTRPDKPLR	218	29	12.27	4	788.1747
			DMRQTVAVGVK	427	12	24.09	3	439.5856
			VTIIDAPGHR	86	10	7.91	2	539.8063
			TGHLIYK	23	7	23.63	2	416.2419
			AYTLGVK	139	7	22.55	2	376.2228
			PPTRPDKPLR	236	11	8.21	2	639.3673
			EVSTYIK	172	7	0.68	2	411.2241
			STTTGHLIYK	20	10	1.71	3	368.1982
P61247	40S ribosomal protein S3a	Carbamidomethyl+C(2)	ACQSIYPLHDVFVR	199	14	86.39	3	568.9569
		Carbamidomethyl+C(2)	NCLTNFHGMDLTR	94	13	48.78	3	526.9121
			MMEIMTR	167	7	42.59	2	456.2143
			TSYAQHQQVR	152	10	76.49	3	406.5422
			VVDPFSK	20	7	42.59	2	396.2157
			DWYDVK	28	6	28.28	2	413.1919
			KTSYAQHQQVR	151	11	26.18	2	673.3491
P31947	14-3-3 protein sigma		NLLSVAYK	41	8	52.13	2	454.2662
			DSTLIMQLLR	214	10	122.66	2	595.3385
			YLAEVATGDDK	129	11	37.94	3	394.5304
P14618	Pyruvate kinase isozymes M1/M2		ITLDNAYMEK	141	10	74.73	2	599.2969
			TATESFASDPILYRPVAVALDTK	92	23	90.49	3	822.4397
			VNFAMNVGK	489	9	94.38	2	490.2572
			APIIAVTR	447	8	67.86	2	420.7646
		Carbamidomethyl+C(6)	NTGICTIGPASR	43	13	105.9	2	680.3613
			GDLGIEIPAEK	294	11	133.96	2	571.3128
			IYVDDGLISLQVK	173	13	141.62	2	731.9194
		Carbamidomethyl+C(1);Carbamidomethyl+C(2)	CCSGAIVLTK	422	11	29.19	2	611.326
			MQHLIAR	376	7	84.5	2	434.7413
		Carbamidomethyl+C(16)	AEGSDVANAVLDGADCIMLSGETAK	342	25	28.94	3	832.0605

P23396	40S ribosomal protein S3	Carbamidomethyl+C(7)	GIFPVLCKDPVQEAWAEDVDLR	467	22	42.75	3	853.1032
			GVNLPGAAVDLPAVSEKDIQDLK	207	23	14.17	3	783.7617
			VVPVP	526	5	41.91	1	510.3291
		Carbamidomethyl+C(1)	CDENILWLDYK	151	11	26.18	2	734.8534
			GADFLVTEVENGGSLGSK	188	18	56.25	2	890.4522
			LAPITSDPTEATAVGAVEASFK	400	22	23.37	2	1088.0775
			VFLAQK	305	6	28.28	2	353.2186
			GVNLPGAAVDLPAVSEK	207	17	29.64	2	818.9591
			MMIGR	311	5	27.94	1	607.309
		Carbamidomethyl+C(7)	AGKPVICATQMLESNIK	319	17	24.8	3	626.3209
			NPQTAR	455	6	14.31	1	686.3655
			KGVNLPGAAVDLPAVSEK	206	18	44.5	3	589.0021
			RFDEILEASDGIMVAR	278	16	95.77	3	607.9789
			GATLKITLDNAYMEK	136	15	31.81	3	556.625
			IENHEGVRR	270	9	40.26	2	555.2879
			NPQTARQAHLR	455	12	31.29	3	485.5905
			EMIKSGMVAR	62	11	26.18	3	412.5505
		Carbamidomethyl+C(1);Carbamidomethyl+C(10)	CNRAGKPVICATQMLESNIK	316	20	23.81	3	769.7189
		Carbamidomethyl+C(7);Oxidation+M()	AGKPVICATQMLESNIK	319	17	17.81	3	631.6644
			ILYRPVAVALDTK	102	13	6.15	3	486.9659
			IMLPWDPTGK	187	10	42.81	2	579.3092
			TEIILATR	45	9	65.19	2	515.3213
			FIMESGAK	124	8	42.93	2	441.7268
	FVDGLMIHSGDPVNYVDTAVR	151	22	33.34	3	823.411		
	DEILPTTPISEK	214	13	27.16	3	490.9321		
Carbamidomethyl+C(3)	GLCAIAQAESLR	94	12	70.64	2	644.8452		
	FVADGIFK	10	8	50.88	2	448.7513		
	HVLLR	173	5	41.91	2	319.2093		
	GGKPEPPAMPQPVPTA	227	16	37.83	2	787.4175		
	FGFPEGSVELYAEK	76	14	20.97	3	524.9208		
	ELAEDGYSGVEVR	27	13	29.87	2	712.3472		
P62258	14-3-3 protein epsilon	NLLSVAYK	42	8	52.13	2	454.2662	
	DSTLIMQLLR	215	10	122.66	2	595.3385		
Carbamidomethyl+C(3);Carbamidomethyl+C(4)	LICCDILDVLDK	94	12	47.47	2	738.884		
	NVIGAR	50	6	28.28	1	629.3769		
	VFYYK	118	5	27.94	2	360.1955		
	HLIPAANTGESK	106	12	24.09	3	413.2246		

P07195	L-lactate dehydrogenase B chain	Carbamidomethyl+C(3);Carbamidomethyl+C(4) Oxidation+M(7)	VAGMDVELTVEER	29	13	34.81	2	724.3595	
			IISSEQKEENK	61	12	24.09	3	473.2517	
			HLIPAANTGESKVFYK	106	17	24.8	2	969.5027	
			LICCDILDVLDKHLIPAANTGESK	94	24	21.25	3	899.1401	
			AASDIAMTELPPTHPIR	153	17	24.8	2	918.4677	
			Carbamidomethyl+C(6)	VIGSGCNLDSAR	158	12	83.2	2	624.8069
				FIIPQIVK	119	8	66.1	2	479.3089
				MVVESAYEVIK	233	11	119.99	2	634.3387
				IHPVSTMVK	270	9	48.05	2	506.2871
				IVADKDYSVTANSK	77	14	45.6	3	504.2638
		LIAPVAEEEEATVPNNK		7	16	122.16	2	847.9609	
		IVVVTAGVR		91	9	57.24	2	457.2984	
		GLTSVINQK		299	9	40.26	2	480.2821	
		GEMMDLQHGSFLQTPK		60	17	29.64	3	644.6518	
		SADTLWDIQQ		319	10	42.81	2	588.8059	
		Carbamidomethyl+C(8) Oxidation+M(18)	YLMAEK	172	6	42.25	2	377.6941	
			SLADELALVDVLEDK	43	15	162.46	2	815.4439	
			IVADK	77	5	13.97	1	545.3271	
			NVNVFK	113	6	14.31	2	360.707	
			LSGLPK	150	6	14.31	1	614.3931	
SLADELALVDVLEDKLK	43		17	46.5	3	624.3527			
HRVIGSGCNLDSAR	156		14	20.97	3	514.5973			
GYTNWAIGLSVADLIESMLK	246		20	23.81	3	733.0376			
VVTAGVR	93		7	1.37	1	701.4365			
TSVINQK	301		7	1.37	1	789.4507			
P30041	Peroxiredoxin-6		LPFPIIDDR	97	9	57.24	2	543.3079	
			LIALSIDSVEDHLAWSK	67	17	82.22	3	633.0087	
			LSILYPATTGR	144	11	29.19	2	596.3462	
			ELAILLGMLDPAEKDEK	108	17	74.69	3	629.0055	
			VVFVFGPDKK	132	10	55.99	2	568.3324	
			VATPVDWK	174	8	42.93	2	458.2554	
			VVFVFGPDK	132	9	40.26	2	504.287	
			MPGGLLLGDVAPNFEANTTVGR	0	22	26.16	3	743.7111	
			IRFHDFLGDSWGILFSHPR	22	19	25.48	3	767.4031	
			FVFGPDKK	134	8	1.71	2	469.2624	
VATPVDWK	174	8	1.02	2	449.2466				
ELAILLGMLDPAEKDEK	108	17	4.1	3	623.0004				

P05388	60S acidic ribosomal protein P0		IIQLDDYPK	16	10	42.81	2	609.3451		
			TSFFQALGITTK	134	12	52.99	2	657.3627		
			AFLADPSAFVAAAPVAAATTAAPAAAAAPAK	266	31	92.15	3	918.1679		
			GHLENNPALEK	66	11	44.12	2	611.321		
			GTIEILSDVQLIK	149	13	88.92	2	714.9276		
			FLEGVR	214	6	45.26	2	360.7062		
		Carbamidomethyl+C(6)	NVASVCLQIGYPTVASVPHSIINGYK	220	26	13.07	3	929.829		
			QMQQIR	38	6	14.31	2	402.2124		
		P62826	GTP-binding nuclear protein Ran		LVLVGDGGTGK	12	11	56.33	2	508.2963
					SNYNFEKPFLWLAR	152	14	51.62	3	595.6439
	NLQYYDISAK			142	10	92.5	2	607.8125		
	HLTGEFEK			29	8	70.87	2	480.7436		
	YVATLGVEVHPLVFHTNR			38	18	39.92	3	684.7107		
	FNVWDTAGQEK			60	11	68.08	2	647.816		
Carbamidomethyl+C(2);Carbamidomethyl+C(10)	VCENIPIVLCGNK			110	13	43.84	3	505.9246		
	SIVFHR			134	6	14.31	2	379.7176		
Carbamidomethyl+C(6);Carbamidomethyl+C(14)	DLVRVCENIPIVLCGNK			106	17	17.81	2	1000.0195		
Carbamidomethyl+C(14);Oxidation+M(18)	FGGLRDGYYIQAQCAIIMFDVTSR			71	24	13.76	3	933.122		
P68366	Tubulin alpha-4A chain		IHFPLATYAPVISA EK	264	16	101.78	3	586.3254		
			NLDIERPTYTNLNR	215	14	73.38	3	573.6324		
			LISQIVSSITASLR	229	14	183.87	2	744.4493		
			FDLMYAK	394	7	67.52	2	444.2196		
		Carbamidomethyl+C(4);Carbamidomethyl+C(5)	YMACCLLYR	311	9	57.24	2	625.2871		
			QLFHPEQLITGK	84	12	37.31	3	470.9275		
			EDMAALEK	422	8	42.93	2	453.719		
			LSVDYGK	156	7	42.59	2	391.2075		
			LSVDYGKK	156	8	42.93	2	455.2583		
			AFVHWYV GEGMEEGEFSEAR	402	20	15.68	3	777.3528		
			FDGALNVDL TEFQTNLVPYPR	243	21	15.12	3	803.7496		
			AVFVDLEPTVIDEIR	64	15	61.46	2	858.4731		
		Carbamidomethyl+C(8)	SIQFVDWCPTGFK	339	13	157.35	2	792.8888		
		Carbamidomethyl+C(3)	AVCMLSNTTAIAEAWAR	373	17	39.18	2	932.9675		
		Carbamidomethyl+C(15)	AYHEQLSVAEITNACFEPANQMVK	280	24	13.76	3	917.445		
Q9H4B7	Tubulin beta-1 chain		PVISA EK	273	7	3.76	2	372.2194		
			LAVNMVPPFR	252	10	141.4	2	572.323		
			IREEYPDR	154	8	78.65	2	539.2682		
			EVDQQLLSVQTR	324	12	52.99	3	472.5885		

P62277	40S ribosomal protein S13	LHFFMPGFAPLTAQGSQQYR	262	20	15.68	3	766.0556	
		IMNSFSVMPSPK	162	12	28.07	2	669.3417	
		AVLVDLEPGTMD SIR	62	15	27.84	2	808.4322	
		VDQQLLSVQTR	325	11	7.91	2	643.8509	
		GLAPDLPEDLYHLIK	78	15	122.77	3	565.3089	
		LILIESR	114	7	39.58	2	422.2687	
		GLSQSALPYR	9	10	35.83	2	546.3009	
		GLTPSQIGVILR	43	12	119.66	2	627.3879	
		SVPTWLK	20	7	39.58	2	415.7486	
		KGLTPSQIGVILR	42	13	34.81	3	461.2882	
		LTSDDVKEQIYK	27	12	24.09	2	719.876	
		GLAPDLPEDLYHLIKK	78	16	18.72	3	634.6613	
		PDLPEDLYHLIK	81	12	7.38	2	726.8982	
		APDLPEDLYHLIK	80	13	27.84	2	762.4131	
O43707	Alpha-actinin-4	LASDLLEWIR	300	10	107.44	2	608.3461	
		VGWEQLLTTIAR	733	12	34.3	2	693.8983	
		HTNYTMEHIR	723	10	35.83	3	434.539	
		NFITAEELR	859	9	32.48	2	546.787	
		KDDPVTNLNNAFEVAEK	216	17	39.14	3	635.3226	
		DLLLDPAWEK	40	10	28.84	2	600.3229	
		FAIQDISVEETSAK	152	14	26.41	3	513.2572	
		LSNRPAFMPSEGK	365	13	29.87	3	478.582	
		VLAVNQENEHLMEDY EK	283	17	17.81	3	687.6643	
		LSGSNPYTTVTPQIINSK	604	18	17.01	2	960.5069	
		AIMTYVSSFYHAFSGAQK	255	18	53.53	2	1004.4737	
		DGLAFNALIHR	193	11	26.18	2	613.8427	
		IMSLVDPNHSGLVTFQAFIDFMSR	813	24	30.95	4	682.0893	
		TIPWLEDR	311	8	35.15	2	515.2743	
		Carbamidomethyl+C(2)	AC LISLGYDVENDR	791	14	20.97	2	812.8965
		DDPVTNLNNAFEVAEK	217	16	39.68	3	592.626	
		Carbamidomethyl+C(10)	ELPPDQAEYCIAR	869	13	27.16	2	781.381
		ISIEMNGTLEDQLSHLK	674	17	17.81	3	643.3384	
		VPQKTIQEMQQK	319	12	36.81	2	729.3852	
		TAPYKNVNVQNFHISWK	176	17	17.81	3	682.6885	
TIQEMQQKLEDFR	323	13	32.16	2	833.4143			
KAGTQIENIDEDFR	65	14	26.41	3	545.9339			
P13639	Elongation factor 2	VFSGLVSTGLK	415	11	50.14	2	554.3257	

	VNFTVDQIR	1	9	32.48	2	546.2993
	GGGQIPTAR	716	10	91.71	2	485.2789
	GPLMMYISK	391	9	79.16	2	520.274
	FSVSPVVR	498	8	81.83	2	445.7566
	NMSVIAHVDHGK	20	12	58.27	3	436.5546
	VFDAIMNFK	299	9	94.38	2	542.7809
	WLPAGDALLQMITIHLPSVTAQK	342	24	108.32	3	867.4852
Carbamidomethyl+C(3)	TFCQLILDPIFK	287	12	145.26	2	747.9126
Carbamidomethyl+C(1)	CLYASVLTAQPR	727	12	116.35	2	689.867
Carbamidomethyl+C(9)	STLTDSLVCK	32	10	54.57	2	562.2892
	GHVFEEESQVAGTPMFVVK	767	18	107.11	3	654.6681
	IKPVLMMNK	150	9	57.24	2	537.3201
	SDPVVSYR	572	8	56.9	2	461.7394
	KEDLYLKPIQR	438	11	26.18	3	468.2754
	ALLELQLEPEELYQTFQR	162	18	67.41	3	740.7244
	DSVVAGFQWATK	676	12	68.42	2	654.8351
	NPADLPK	512	7	56.56	2	377.7071
	STAISLFYELSENDLNFIK	71	19	57.59	3	735.3806
Carbamidomethyl+C(12)	LMEPIYLVEIQCEQVVGGIYGV LNR	739	26	130.61	3	997.1994
	YEWVVAEAR	638	9	60.25	2	569.7698
	QFAEMYVAK	226	9	57.24	2	543.7745
	EDLYLKPIQR	439	10	45.82	2	637.8672
Carbamidomethyl+C(5)	EGALCEENMR	688	10	38.84	2	604.7632
	AYLPVNESFGFTADLR	785	16	37.83	2	900.4648
	FYAFGR	409	6	28.28	2	380.6929
	FDVHDVTLHADAHR	701	15	27.84	3	582.6368
Carbamidomethyl+C(10)	YVEPIEDVPCGNIVGLVGVDQFLVK	456	25	25.23	3	920.4889
	FTDTR	55	5	13.97	1	639.3062
	IMGPNYTPGK	428	10	28.84	2	539.2792
	GEGQLGPAER	239	10	28.84	2	507.2482
Carbamidomethyl+C(8)	DLEEDHACIPIK	559	12	31.29	3	480.5728
	TGTITTFEHAHNMR	481	14	29.54	2	808.3984
	EGIPALDNFLDK	845	12	47.47	2	666.3526
	ANIRNMSVIAHVDHGK	16	16	37.83	2	881.4625
	FSKSATSPEGK	272	11	39.35	2	569.7916
	MVNFTVDQIRAIMDK	0	15	31.81	2	890.9479
	GEGQLGPAERAK	239	12	28.07	3	404.8833

P06733	Alpha-enolase		MSVIAHVDHGK	21	11	2.39	2	597.3089		
			FSVSPVVR	498	8	10.22	2	436.7515		
			YISPDQLADLYK	269	12	102.38	2	713.3702		
			IGAEVYHNLK	183	10	141.4	2	572.3166		
			AAVPSGASTGIYEALELR	32	18	117.1	2	902.9858		
			LAQANGWGVMSHR	358	14	125.28	3	509.2595		
			TIAPALVSK	71	9	65.19	2	450.2776		
			Carbamidomethyl+C(2);Carbamidomethyl+C(4)	SCNCLLLK	335	8	66.1	2	504.2566	
				IEEELGSK	412	8	70.87	2	452.734	
				LMIEMDGTENK	92	11	86.82	2	640.8031	
				HIADLAGNSEVILPVPAFNVINGGSHAGNK	132	30	105.02	4	753.6461	
				GNPTVEVDLFTSK	15	13	70.97	2	703.8688	
			Carbamidomethyl+C(14)	VNQIGSVTESLQACK	343	15	78.72	2	817.4236	
				LNVTEQEK	81	8	56.9	2	480.7529	
				DYPVVSIEDPFDQDDWGAWQK	285	21	66.36	3	837.3858	
				VVIGMDVAASEFFR	239	14	33.97	2	770.8988	
				YNQLLR	406	6	42.25	2	403.7253	
				EGLELLK	221	7	39.58	2	401.2388	
				DATNVGDEGGFAPNILENK	202	19	32.28	2	980.98	
				YDLDFK	256	6	70.19	1	800.3879	
				GLFR	28	4	13.63	1	492.2922	
				FTASAGIQVVGDDLTVTNPK	306	20	29.95	2	1017.048	
				GVPLYR	126	6	14.31	2	352.7101	
				IDKLMIEMDGTENK	89	14	20.97	2	818.8984	
			Oxidation+M(10)	LAQANGWGVMSHR	358	14	28.75	3	514.5971	
				APALVSK	73	7	24.53	1	685.4302	
		P00338	L-lactate dehydrogenase A chain	Carbamidomethyl+C(6)	VIGGCNLD SAR	157	12	83.2	2	624.8069
					FIIPNVVK	118	8	80.07	2	465.2926
					TLHPDLGTDKDKEQWK	212	16	60.05	4	478.4933
					LVITAGAR	90	9	96.14	2	457.2933
					QVVESAYEVIK	232	11	59.34	2	632.8464
					GEMMDLQHGSFLR	59	14	41.17	3	545.2655
VTLTSEEEAR	305				10	54.57	2	567.7892		
VHPVSTMIK	269				9	48.21	2	506.2851		
DQLIYNLLK	5				9	96.14	2	560.3273		
Carbamidomethyl+C(9)	DDVFLSVPCLGQNGISDLVK				284	21	15.12	3	763.7368	
	DLADELALVDVIEDK				42	15	121.51	2	829.44	

			LLIVSNPVDILTYVAWK	132	17	182.34	2	972.5775
			LNLVQR	106	6	56.22	2	371.7301
			YLMGER	171	6	42.25	2	384.6895
			DYNTANSK	81	9	32.48	2	506.2447
			NVNIFK	112	6	14.31	2	367.7152
			SADTLWGIQK	318	10	28.84	1	1118.5918
			RVHPVSTMIK	268	10	28.84	3	389.8923
			LKGYTSWAIGLSVADLAESIMK	243	22	14.62	3	785.091
			TLHPDLGTDKDK	212	12	24.09	2	670.3449
			IVSGKDYNVTANSK	76	14	33.97	3	499.258
			VLTSEEEAR	305	10	28.84	2	607.7631
			IITAGAR	92	7	1.37	1	701.4343
			MMDLQHGSFLR	61	12	7.5	3	483.2456
			GEMMDLQHGSFLR	59	14	7.5	3	539.2655
P63104	14-3-3 protein zeta/delta		NLLSVAYK	41	8	52.13	2	454.2662
			DSTLIMQLLR	212	10	122.66	2	595.3385
			FLIPNASQAESK	103	12	24.09	2	652.8525
		Carbamidomethyl+C(3)	DICNDVLSLEK	91	12	31.29	2	709.8696
			YLAEVAAGDDKK	127	12	47.48	3	427.2234
			TAFDEAIAELDTLSEESYK	193	19	16.31	3	711.3392
P08865	40S ribosomal protein SA		FAAATGATPIAGR	89	13	121.63	2	602.333
			LLVVTDPK	120	8	35.15	2	456.7812
			AIVAIENPADVSVISSR	63	17	17.81	3	580.9821
			GTISREHPWEVMPDLFYR	186	19	16.31	3	799.3851
		Carbamidomethyl+C(8)	YVDIAIPCNNK	155	11	26.18	2	653.8376
			LLLAAR	57	6	14.31	1	656.4525
			KSDGIYIINLK	41	11	29.19	2	632.3719
			EEQAAAEEKAVTK	212	12	31.29	2	637.8332
			FAAATGATPIAGR	89	13	29.87	3	428.5436
		Oxidation+M(10)	MSGALDVLQMK	0	11	26.18	2	604.8106
P62937	Peptidyl-prolyl cis-trans isomerase A		FEDENFILK	82	9	63.43	2	577.7923
			EGMNIVEAMER	133	11	59.34	2	639.7997
			VSFELFADK	19	9	108.35	2	528.2759
		Carbamidomethyl+C(7)	IIPGFMCQGGDFTR	55	14	45.6	2	799.8835
			TEWLDGK	118	7	42.59	2	424.711
		Carbamidomethyl+C(24)	HTGPGILSMANAGPNTNGSQFFICTAK	91	27	16.94	3	931.1229
			VKEGMNIVEAMER	131	13	34.81	3	502.5882

P37802	Transgelin-2	Carbamidomethyl+C(7)	VNPTVFFDIAVDGEPLGR	1	18	99.16	2	973.5177	
			VSFELFADKVPK	19	12	96.36	3	460.5875	
			SIYGEKFEDENFILK	76	15	39.08	3	611.3112	
			KITIADCGQLE	154	11	33.16	2	624.3216	
			VKEGMNIVEAMER	131	13	22.39	3	502.5901	
			EGMNIVEAMERFGSR	133	15	39.08	2	863.4146	
			TLMNLGGLAVAR	127	12	119.66	2	608.3517	
			IQASTMAFK	79	9	57.24	2	498.7663	
			NVIGLQMGTR	171	11	29.19	2	601.8136	
			GPAYGLSREVQQK	4	13	36.86	2	716.8741	
			NFSDNQLQEGK	160	11	26.18	2	640.3101	
			GASQAGMTGYGMPR	182	14	64.34	2	692.3201	
			DDGLFSGDPNWFPK	139	14	42.22	2	797.8744	
			QMEQISQFLQAAER	88	14	35.45	2	839.9287	
P29401	Transketolase	Carbamidomethyl+C(5)	YGINTTDIFQTVDLWEGK	102	18	71.81	2	1050.5348	
			VLDPFTIKPLDR	530	12	88.71	3	471.9379	
			MPSLPSYK	302	8	52.13	2	461.7409	
			ISSDLDGHPVPK	102	12	24.09	3	422.2212	
			IILDGDTK	334	9	57.24	2	473.2692	
			HQPTAIIAK	232	9	55.99	2	489.7886	
			NMAEQIIQEIYSQIQSK	264	17	117.06	3	675.0129	
			LDNLVAILDINR	174	12	118.11	2	684.9026	
			TSRPENAIHYNNNEDFQVGQAK	471	22	14.62	3	836.749	
			NSTFSEIFK	343	9	40.26	2	536.7747	
			LGQSDPAPLQHQMDIYQK	186	18	27	3	690.3427	
			ILATPPQEDAPSVDIANIR	283	19	51.57	2	1010.5544	
			Carbamidomethyl+C(3)	TVPFCS'TFAAFFTR	381	14	51.62	2	826.4134
			SGKPAELLK	594	9	32.48	2	471.7878	
MFGIDR	603	6	28.28	2	369.6854				
P00558	Phosphoglycerate kinase 1	Carbamidomethyl+C(3)	GICFIR	465	6	14.31	2	383.2093	
			GHAAPILYAVWAEAGFLAEALLNLR	75	26	19.96	3	932.5028	
			LGHASDRIIALDGDGDK	327	16	29.98	3	561.2993	
			DPFTIKPLDR	532	10	22.55	2	601.3366	
			PSLPSYK	303	7	1.02	2	396.2229	
			LGDVVYVNDAFGTAHR	156	15	76.73	3	545.6041	
			ALESPERPFLAILGGAK	199	17	96.55	3	590.337	
			VDFNVPMK	22	8	80.07	2	475.2458	

P04406	Glyceraldehyde-3-phosphate dehydrogenase	Carbamidomethyl+C(2)	FCLDNGAK	48	8	52.13	2	462.7209
			IQLINNMLDK	220	10	42.81	2	601.339
			AHSSMVGVNLPQK	171	13	83.7	3	456.5775
		Carbamidomethyl+C(2)	ACANPAAGSVILLENLR	106	17	78.24	2	884.9825
			VNEMIIGGGMAFTFLK	230	16	26.57	2	864.4474
			YSLEPVAVELK	75	11	73.82	2	624.3552
		Carbamidomethyl+C(2)	DCVGPEVEK	97	9	40.26	2	516.7434
			VLNNMEIGTSLFDEEGAK	246	18	40.77	2	983.9897
			FHVEEEGK	123	8	38.16	2	487.7393
			VSHVSTGGGASLELLEK	388	18	17.01	2	870.954
			ITLPVDFVTADKFDENAK	279	18	70.77	3	675.0198
			SVVLMShLGRPDGVPMPDKYSLEPVAVELK	56	30	12.06	5	653.5496
			AEPAKIEAFR	141	10	28.84	2	566.3054
			GVNLPQK	177	7	2.73	1	755.4437
			VIISAPSADAPMFVMGVNHEK	118	21	277.61	3	738.3743
		Carbamidomethyl+C(13)	VPTANVSVDLTCR	234	14	162.25	2	765.9042
			GALQNIIPASTGAAK	200	15	150.04	2	706.4031
			VIHDNFGIVEGLMTTVHAIATQK	162	24	264.83	4	649.5957
			LTGMAFR	227	7	42.59	2	398.2095
	Carbamidomethyl+C(7);Carbamidomethyl+C(11)	IISNASCTINCLAPLAK	145	17	141.4	2	917.4684	
	VVDLMAHMASKE	323	12	83.2	3	444.2193		
	LVINGNPITIFQERDPSK	66	18	37.58	3	681.0447		
	VVDLMAHMASK	323	11	103.8	3	401.2022		
	LISWYDNEFGYSNR	309	14	125.28	2	882.4152		
	RVIISAPSADAPMFVMGVNHEK	117	22	105.84	3	790.4118		
	VEGLMTTVHAIATQK	170	16	7.67	3	567.304		
	LTGMAFR	227	7	0.68	2	389.2081		
	Carbamidomethyl+C(13)	VPTANVSVDLTCR	234	14	3.07	2	756.8874	
P12814	Alpha-actinin-1		LASDLEWIR	281	10	107.44	2	608.3461
			VGWEQLLTTIAR	714	12	34.3	2	693.8983
			HTNYTMEHIR	704	10	35.83	3	434.539
			DLLDPAWEK	21	10	28.84	2	600.3229
			FAIQDISVEETSAK	133	14	26.41	3	513.2572
			LAKPER	76	6	31.29	2	357.2188
			NVNIQNFHISWK	162	12	34.3	3	500.5915
			DDPLTNLNTAFDVAEK	198	16	33.1	3	588.2885
			LGVVTFQAFIDFMSR	803	15	27.84	3	577.627

P23528	Cofilin-1	Carbamidomethyl+C(6)	VEQIAAIAQELNELDYYDSPSVNAR	450	25	13.4	3	936.8013		
			DGLGFCALIHRRRPELIDYGK	174	21	23.57	3	823.0893		
		Carbamidomethyl+C(5)	ILAGDKNYITMDELK	834	15	19.76	2	876.454		
			AVLFCLSEDKK	34	11	75.07	3	437.2289		
		Carbamidomethyl+C(7)	MLPDKDCR	73	8	56.9	2	517.746		
		Q9BUF5	Tubulin beta-6 chain	Carbamidomethyl+C(5)	NIILEEGKEILVGDVGGQTVDDPYATFVK	45	28	28.39	3	1021.5464
					LGGSAVISLEGKPL	152	14	20.97	2	670.8978
				Carbamidomethyl+C(6)	KEDLVFIFWAPESAPLK	95	17	37	3	664.0311
					YALYDATYETK	81	11	69.05	2	669.3244
				Carbamidomethyl+C(5)	VFNDMK	13	6	31.29	2	377.1863
EILVGDVGGQTVDDPYATFVK	53				20	21.82	3	722.7045		
Carbamidomethyl+C(6)	SKMIYASSK			112	9	40.26	2	507.7645		
	AVLFCLSEDKK			34	11	26.18	3	437.2351		
P60174	Triosephosphate isomerase			Carbamidomethyl+C(6)	LAVNMVFPFR	252	10	141.4	2	572.323
					LHFFMPGFAPLTSR	262	14	204.83	3	540.9483
		Carbamidomethyl+C(12)	NMMAACDPR	297	9	47.7	2	533.2217		
			MASTFIGNSTAIQELFK	362	17	29.64	2	929.4894		
		Carbamidomethyl+C(2)	YLTVATVFRGPMSMK	309	15	19.76	3	567.6361		
			TATPQQAQEVHEK	175	13	143.38	3	489.5756		
		Carbamidomethyl+C(12)	DCGATWVVLGHSER	85	14	45.6	3	529.5858		
			VVLAYEPVWAIGTGK	160	15	184.21	2	801.9563		
		Carbamidomethyl+C(9)	ELASQPDVDGFLVGGASLKPEFVDIINAK	219	29	36.68	3	1010.5411		
			IYGGSVTGATCK	206	13	27.16	2	663.8485		
P07437	Tubulin beta chain	Carbamidomethyl+C(9)	QSLGELIGTLNAAK	19	14	44.18	2	707.9077		
			VPADTEVVCAPPTAYIDFAR	33	20	27.31	2	1096.5559		
		Carbamidomethyl+C(2)	DCGATWVVLGHSEK	85	15	19.76	3	581.6184		
			QSLGELIGTLNAAKVPADTEVVCAPPTAYIDFAR	19	34	16.49	4	897.7055		
		Carbamidomethyl+C(23)	FFVGGNWKMNKR	6	12	24.09	2	706.8412		
			VTNGAFTGEISPGMIKDCGATWVVLGHSER	69	30	17.95	5	641.919		
		Carbamidomethyl+C(18);Oxidation+M(14)	Oxidation+M(14)	VTNGAFTGEISPGMIK	69	16	18.72	3	546.6174	
			TATPQQAQEVHEK	175	13	2.73	3	483.5759		
		Carbamidomethyl+C(23)	LAVNMVFPFR	252	10	141.4	2	572.323		
			IMNTFSVVPSPK	162	12	146.05	2	660.3597		
Carbamidomethyl+C(23)	LHFFMPGFAPLTSR	262	14	204.83	3	540.9483				
	GHYTEGAELVDSVLDVVR	103	18	118.35	3	653.6672				
Carbamidomethyl+C(23)	LTTPTYGDLNHLVSATMSGVTTCLR	216	25	153.05	3	903.4569				
	ISEQFTAMFR	380	10	78.53	2	615.3081				

P00966	Argininosuccinate synthase	YLTVAAVFR	309	9	79.16	2	520.3008	
		Carbamidomethyl+C(6)	NMMAACDPR	297	9	47.7	2	533.2217
			IREEYPDR	154	8	78.65	2	539.2682
			AILVDLEPGTMDSVR	62	15	113.12	2	808.4295
		Carbamidomethyl+C(10)	EIVHIQAGQCGNQIGAK	2	17	35.75	3	608.316
			FWEVISDEHGIDPTGTYHGDSDLQLDR	19	27	29.3	4	776.3609
		Carbamidomethyl+C(5);Carbamidomethyl+C(7)	EAESCDCQLQGFQLTHSLGGGTGSGMGTLISK	122	32	11.69	3	1104.5268
			EVDEQMLNVQNK	324	12	78.42	2	723.8573
			NSSYFVEWIPNNVK	336	14	186.09	2	848.9302
		Carbamidomethyl+C(4)	ISVYYNEATGGK	46	12	105.69	2	651.33
			TAVCDIPRGLK	350	12	24.09	2	663.862
			ISEQFTAMFRR	380	11	26.18	3	462.5696
			GLKMAVTFIGNSTAIQELFK	359	20	24.67	3	723.3969
			RISEQFTAMFR	379	11	29.19	3	462.5688
		Carbamidomethyl+C(23);Oxidation+M()	LTTPTYGDLNHLVSATMSGVTTCLR	216	25	13.4	3	908.786
			TVAAVFR	311	7	1.37	1	763.4442
			MPEFYNR	146	7	42.59	2	478.7227
		Carbamidomethyl+C(5)	FELSCYSLAPQIK	127	13	90.68	2	778.4037
			APNTPDILEIEFKK	215	14	26.41	3	538.9632
			VFIEDVSR	58	8	35.15	2	482.76
			EFVEEFIWPAIQSSALYEDR	66	20	33.45	3	810.3997
			DGTTHTQTSLELFMYLNEVAGK	239	21	15.12	3	785.3879
			IDIVENR	265	7	42.59	2	429.7398
		Carbamidomethyl+C(15)	GSVVLAYSGGLDTSCILVWLK	4	21	48.3	4	560.3028
			VIAPWR	140	6	31.29	2	371.2238
		Carbamidomethyl+C(11)	YLLGTSLARPCAR	86	14	28.75	3	530.9656
			YVSHGATGK	112	9	40.26	2	460.2419
	GIYETPAGTILYHAHLIDIEAFTMDR	279	25	19.62	3	945.4799		
	EQGYDVIAYLANIGQK	25	16	27.09	3	594.6406		
Oxidation+M(23)	GIYETPAGTILYHAHLIDIEAFTMDREVR	279	28	12.51	4	809.4008		
	VAPVPLYSFHDVYK	434	15	55.44	3	583.6409		
Carbamidomethyl+C(8)	LQLIPGVCGFR	319	11	29.19	2	630.3551		
	YLNAGAGGIAGAFIHEK	276	17	17.81	3	563.6363		
	DVFQELEK	412	8	35.15	2	504.2593		
	ILLEAK	157	6	42.25	2	343.7297		
	FTNLLTSILDSAETK	449	15	40.22	2	826.9496		
	EPSSLELPADTVQR	1	14	26.41	3	514.6034		
Q16719	Kynureninase							

P10599	Thioredoxin		VALHLDEEDKLR	28	12	47.47	3	479.9282	
			PVPLYNSFHDVYK	436	13	7.38	3	526.9386	
			YLNAGAGGIAGAFIHEK	276	17	4.1	3	557.625	
			TAFQEALDAAGDK	8	13	110.67	2	668.8302	
			VGEFSGANK	85	9	71.21	2	454.7261	
		Carbamidomethyl+C(1)	CMPTFQFFK	72	9	60.25	2	603.283	
		Oxidation+M(1)	MIKPFHSLSEK	36	12	24.09	2	740.3808	
P07197	Neurofilament medium polypeptide		GEFSGANK	86	8	1.37	1	809.3828	
			EYQDLLNVK	382	9	80.41	2	561.3009	
			SYTLDSLGNPSAYR	1	14	33.97	3	515.2541	
			QLSDIEER	343	8	35.15	2	495.2467	
			FVEEIIETK	451	10	28.84	3	412.8868	
			EAAEEK	489	6	14.31	1	676.3139	
			EIEAEIQALR	127	10	28.84	2	586.3207	
			EDIAVNGEVEGK	797	12	28.07	3	420.5464	
			SPVPKSPVEEAK	679	12	24.09	3	423.2347	
			KEDIAVNGEVEGK	796	13	27.16	3	463.2372	
			SSFSRVSGSPSSGFR	21	15	19.76	3	515.5812	
			EEGKPLQKEKEK	762	12	24.09	3	481.5872	
			ATAPEVKEEEGEK	514	13	22.39	3	472.8971	
			ESLERQLSDIEER	338	13	31.63	2	802.4042	
P09601	Heme oxygenase 1		AALEQDLAFWYGPR	86	14	30.01	3	546.2782	
			VQDSAPVETPR	243	11	29.19	2	599.8102	
			ESPVFAPVYFPEELHR	69	16	69.79	3	639.6614	
			ALDLPSSGEGLAFFTFPNIASATK	153	24	25.23	3	818.7531	
			LVMASLYHIYVALEEEIER	48	19	16.31	4	570.3039	
			TEPELLVAHAYTR	123	13	22.39	2	750.4045	
			PVFAPVYFPEELHR	71	14	7.31	3	567.6265	
O00410	Importin-5		ATAAFILANEHNVALFK	195	17	18.59	3	610.6715	
			ITFLLQAIR	41	9	72.95	2	537.8423	
			LMVPLLK	705	7	43.64	2	407.2685	
			ENVNATENCISAVGK	963	15	20.59	2	803.38	
			QAEETYENIPGQSK	27	14	29.61	3	531.9225	
			FLFDSVSSQNVGLR	134	14	59.62	2	784.9037	
			Carbamidomethyl+C(1);Carbamidomethyl+C(9)	CIEVMGDGCLNNEHFEEELGGILK	775	23	36.63	3	878.7366
				SLLIPYLDNLVK	475	12	25	2	694.4116
		LLSSAFDEVYPALPSDVQTAIK	68	22	50.99	2	1182.6341		

		Carbamidomethyl+C(5)	MLVQCMQDQEHSIR	175	15	20.59	3	624.6237
		Carbamidomethyl+C(4)	YAACNAVGMATDFAPGFQK	416	20	25.8	3	716.3366
		Carbamidomethyl+C(13)	VAAAESMPLLECAR	720	15	20.59	3	544.2761
			EGFVEYTEQVVK	693	12	25	3	476.5789
		Carbamidomethyl+C(16)	VQAHAAAALNFTEDCPK	457	18	54.96	2	978.4928
			IFSIIAEGEMHEAIK	1037	15	20.59	3	563.2962
			EHIMQMLQNPDKYR	360	15	20.59	3	663.6532
		Carbamidomethyl+C(11)	TKENVNATENCISAVGK	961	17	25.58	2	917.9452
			QLALEVIVTLSETAAAMLK	276	20	49.46	3	746.3925
P13804	Electron transfer flavoprotein subunit alpha		LEVAPISDIIAIK	126	13	28.05	2	691.4251
		Carbamidomethyl+C(9)	TIYAGNALCTVK	146	12	25	2	655.8495
			GLLPEELTPLLATQK	85	16	19.53	2	868.5216
			ASSTSPVEISEWLDQK	187	16	19.53	3	592.955
		Carbamidomethyl+C(7)	LGGEVSVCLVAGTK	46	13	33.42	2	645.8365
			LLYDLADQLHAAVGASR	232	17	18.59	3	604.995
			AAVDAGFVPMNDMQVGTGK	249	19	26.21	3	635.6345
		Oxidation+M(5)	VVPEMTEILK	321	10	31.58	2	587.8189
P62158	Calmodulin		EAFSLFDKDGDTITTK	14	17	71.89	3	615.6395
			VFDKDGNGYISAAELR	91	16	46.58	3	585.6338
			MADQLTEEQIAEFK	0	14	29.61	3	551.5949
P30086	Phosphatidylethanolamine-binding protein 1		NRPTSISWDGLDSGK	47	15	64.19	3	544.9424
			YVWLVYEQDRPLK	119	13	32.52	3	570.3103
			VLTPTQVK	39	8	58.3	2	443.2748
			LYEQLSGK	179	8	36.18	2	469.2603
			GNDISSGTVLSDYVGSPPK	93	20	33.87	2	975.4923
			LYTLVLTDPDAPSR	62	14	30.4	2	780.9051
			EWHHFLVVNMK	82	11	27.12	2	720.354
		Oxidation+M(12)	YREWHHFLVVNMK	80	13	23.28	3	592.3021
P08708	40S ribosomal protein S17		IAGYVTHLMK	49	10	36.81	2	566.8108
			LLDFGSLSNLQVTQPTVGMNFK	107	22	59.66	3	803.7605
			RDNYVPEVSALDQEIIIVDPDTK	80	23	14.78	3	882.4459
			LQEEER	72	6	14.65	2	402.1956
			DNYVPEVSALDQEIIIVDPDTK	81	22	15.26	2	1245.1175
			IAGYVTHLMKR	49	11	27.12	2	644.8631
			YYTRLGNDFHTNK	19	13	23.28	3	543.5965

