Suppl Table 5. Database Search Results Using Alternate CID/PQD$_{modified}$ on IMAC Enriched p-proteins from S49 Cells

The right three columns indicate the Xcorr for CID, PQD$_{modified}$, and their ratios, respectively

Reference Scan(s)	Peptide	MH+	Charge	Xcorr (merged CID/PQD	Score DeltaCn	Sp	RSp	Peptide (Hits) Ions	Xcorr (CID)	Xcorr (PQD)	Xcorr (PQD/CID)
1 ENOA_MOUSE RecName: Full=Alpha-enolase; AltName: Full=2-phospho-D-glycerate hydro-lyase; AltName: Full=Non-neural enolase; Short=NNE; Alt								17 (17 0 0 0 0)			
1632 - 1633	K.KVNVVEQEK.I	1072.6	2	2.91	0.29	843.8	2	15/16	2.45	2.84	1.16
1684 - 1685	K.KVNVVEQEK.I	1072.6	2	2.71	0.18	564.6	7	13/16	2.49	3.16	1.27
2287 - 2288	K.KVNVVEQEKIDK.L	1428.8	3	3.19	0.12	832.1	1	24/44	3.53		0.00
2517 - 2518	K.GVSQAVEHINK.T	1181.6	2	3.74	0.23	1014.8	1	16/20	3.28	3.55	1.08
3882 - 3883	R.GNPTVEVDLYTAK.G	1406.7	2	2.64	0.37	842.7	1	16/24	2.71		0.00
4509 - 4510	R.EIFDSRGNPTVEVDLYTAK.G	2154.1	2	3.20	0.44	442.5	1	16/36	2.78		0.00
4612 - 4613	K.FTASAGIQVVGDDLTVTNPKR.I	2189.2	3	3.44	0.32	698.4	1	26/80	3.51		0.00
4777 - 4778	K.FTASAGIQVVGDDLTVTNPK.R	2033.1	2	4.33	0.54	1227.2	1	22/38	4.47	2.08	0.47
4914 - 4915	R.YITPDQLADLYK.S	1439.7	2	2.52	0.36	659.0	1	16/22	2.15	2.46	1.14
5162 - 5163	R.AAVPSGASTGIYEALELR.D	1804.9	2	3.84	0.43	713.5	1	24/34	3.82	3.15	0.82
5437 - 5438	K.YGKDATNVGDEGGFAPNILENKEALELLK.T	3105.6	3	6.42	0.50	2206.8	1	42/112	6.31	4.11	0.65
5642 - 5643	R.HIADLAGNPEVILPVPAFNVINGGSHAGNK.L	3021.6	3	6.50	0.44	2408.7	1	43/116	6.37	5.73	0.90
5647 - 5648	K.DATNVGDEGGFAPNILENKEALELLK.T	2757.4	3	3.89	0.55	635.7	1	31/100	3.64	3.97	1.09
6222 - 6223	K.SFVQNYPVVSIEDPFDQDDWGAWQK.F	2970.4	3	5.72	0.45	838.8	1	32/96	5.69	4.28	0.75
6897 - 6898	R.SGETEDTFIADLVVGLCTGQIK.T	2353.2	2	5.39	0.66	1613.9	1	26/42	5.28	4.98	0.94
2 HS90B_MOUSE RecName: Full=Heat shock protein HSP 90-beta; AltName: Full=HSP 84; AltName: Full=Tumor-specific transplantation 84 kDa antige								26 (26 0 0 0 0)			
1817 - 1818	K.IEDVGS*DEEDDSGKDKK.K	1945.8	3	4.33	0.26	1361.5	1	43/96	4.55	3.51	0.77
1832 - 1833	K.IEDVGS*DEEDDSGKDKK.K	1945.8	2	3.99	0.34	523.7	1	29/48	3.76	4.56	1.21
1882 - 1883	K.IEDVGS*DEEDDSGKDKK.K	1945.8	2	4.35	0.38	731.7	1	33/48	3.72	5.20	1.40
1917 - 1918	K.IEDVGS*DEEDDSGKDKK.K	1945.8	3	4.50	0.31	836.5	2	37/96	4.31	3.26	0.76
1924 - 1925	R.EKEIS*DDEAEEEK.G	1630.6	2	4.69	0.47	637.6	1	28/36	4.65	4.26	0.92
1932 - 1933	R.EKEIS*DDEAEEEKGEK.E	1944.8	2	3.53	0.49	374.0	1	30/45	3.11	4.42	1.42
1972 - 1973	R.EKEIS*DDEAEEEK.G	1630.6	2	4.48	0.52	886.6	1	32/36	4.79	3.98	0.83
1982 - 1983	K.IEDVGS*DEEDDSGKDK.K	1817.7	2	5.41	0.33	971.6	1	35/45	5.04	5.51	1.09
1989 - 1990	K.IEDVGS*DEEDDSGKDK.K	1817.7	3	3.80	0.32	1399.9	1	41/90	3.32	3.38	1.02
2032 - 2033	K.IEDVGS*DEEDDSGKDK.K	1817.7	2	5.29	0.32	1050.5	1	36/45	5.34	5.42	1.01
2074 - 2075	K.IEDVGS*DEEDDSGK.D	1574.6	2	4.97	0.34	1427.2	1	31/39	4.99	4.49	0.90
2082 - 2083	K.IEDVGS*DEEDDSGKDK.K	1817.7	2	6.13	0.31	831.7	1	36/45	6.07	4.92	0.81
2117 - 2118	K.IEDVGS*DEEDDSGK.D	1574.6	2	4.90	0.34	1609.5	1	33/39	4.66	4.82	1.04
2132 - 2133	K.IEDVGS*DEEDDSGKDK.K	1817.7	2	5.15	0.36	618.4	1	30/45	4.71	4.62	0.98
2162 - 2163	K.IEDVGS*DEEDDSGK.D	1574.6	2	5.06	0.33	1908.3	1	33/39	5.00	4.95	0.99
2187 - 2188	K.IEDVGS*DEEDDSGKDK.K	1817.7	2	4.82	0.35	940.7	1	34/45	4.58	4.29	0.94
2214 - 2215	K.IEDVGS*DEEDDSGK.D	1574.6	2	5.28	0.34	1492.4	1	32/39	5.31	4.16	0.78
2254 - 2255	K.IEDVGS*DEEDDSGKDK.K	1817.7	2	5.13	0.30	792.6	1	31/45	4.64	3.85	0.83
2684 - 2685	K.IEDVGS*DEEDDSGKDK.K	1817.7	2	3.37	0.28	209.4	7	16/45	3.04		0.00
3 HS90A_MOUSE RecName: Full=Heat shock protein HSP 90-alpha; AltName: Full=HSP 86; AltName: Full=Tumor-specific transplantation 86 kDa antig								21 (21 0 0 0 0)			
1617 - 1618	R.DKEVS*DDEAEEKEEK.E	1859.7	3	4.08	0.31	799.2	1	41/84	3.73	3.57	0.96
1619 - 1620	R.DKEVS*DDEAEEKEEK.E	1859.7	2	4.86	0.46	637.2	1	32/42	4.35	4.79	1.10
1667 - 1668	R.DKEVS*DDEAEEKEEK.E	1859.7	3	3.89	0.45	793.2	1	40/84	3.97	3.53	0.89
2889 - 2890	K.ESDDKPEIEDVGS*DEEEEEKKDGDK.K	2931.2	3	4.06	0.24	538.0	1	45/144	3.97	5.20	1.31
2929 - 2930	K.ESDDKPEIEDVGS*DEEEEEKK.D	2516.0	2	2.49	0.42	174.5	1	20/60	2.46	1.86	0.76
2932 - 2933	K.ESDDKPEIEDVGS*DEEEEEKKDGDK.K	2931.2	3	4.09	0.27	582.7	1	46/144	4.18	5.50	1.32
2952 - 2953	K.ESDDKPEIEDVGS*DEEEEEKK.D	2516.0	3	4.08	0.40	1052.7	1	45/120	4.30	3.81	0.89
2997 - 2998	K.ESDDKPEIEDVGS*DEEEEEKK.D	2516.0	3	5.04	0.47	933.9	1	45/120	4.74	4.44	0.94
3027 - 3028	K.ESDDKPEIEDVGS*DEEEEEK.K	2387.9	3	3.93	0.21	944.1	1	34/114	3.27		0.00
3029 - 3030	K.ESDDKPEIEDVGS*DEEEEEK.K	2387.9	2	3.50	0.50	220.8	1	20/57	3.49	3.57	1.02
3042 - 3043	K.ESDDKPEIEDVGS*DEEEEEKK.D	2516.0	3	4.72	0.50	674.7	1	40/120	4.83		0.00
3072 - 3073	K.ESDDKPEIEDVGS*DEEEEEK.K	2387.9	3	5.43	0.48	1421.2	1	40/114	5.11	3.14	0.61
3074 - 3075	K.ESDDKPEIEDVGS*DEEEEEK.K	2387.9	2	2.89	0.34	239.6	1	21/57	2.70	2.23	0.83
4 LDHA_MOUSE RecName: Full=L-lactate dehydrogenase A chain; Short=LDH-A; AltName: Full=LDH muscle subunit; Short=LDH-M								6 (6 0 0 0 0)			
2777 - 2778	K.VTLTPEEEAR.L	1144.6	2	2.50	0.27	584.1	1	15/18	2.40	2.63	1.10
3589 - 3590	K.LVIITAGAR.Q	913.6	2	2.96	0.37	788.9	1	15/16	3.22	2.38	0.74
3624 - 3625	K.SLNPELGTDADKEQWK.E	1830.9	2	3.90	0.41	1130.9	1	19/30	3.72	3.17	0.85
4089 - 4090	K.SADTLWGIQK.E	1118.6	2	3.41	0.29	757.7	1	14/18	3.42	2.71	0.79
5832 - 5833	K.SADTLWGIQKELQF.-	1635.8	2	2.31	0.14	870.9	1	16/26	2.82	2.51	0.89
5 SRRM2_MOUSE RecName: Full=Serine/arginine repetitive matrix protein 2								6 (6 0 0 0 0)			
2369 - 2370	K.RVPS*PTPVPK.E	1157.6	2	3.14	0.18	516.7	2	17/27	3.02	2.66	0.88
3009 - 3010	R.RSS*SELSPEVVEK.V	1526.7	2	4.74	0.08	851.4	1	29/36	4.59	4.62	1.01
3052 - 3053	R.S*PVPSAFSDQSR.S	1357.6	2	2.40	0.39	527.6	1	21/33	2.30	2.27	0.99
3844 - 3845	K.NSGPVSEVNTGFS*PEVK.E	1827.8	2	5.19	0.12	1754.8	1	32/48	4.74	5.35	1.13
4652 - 4653	K.SEQPLSQVLPSLS*PEHK.E	1955.9	2	4.38	0.11	695.1	1	29/48	4.05	4.02	0.99
4699 - 4700	K.SEQPLSQVLPSLS*PEHK.E	1955.9	2	4.67	0.13	527.0	1	26/48	4.32	2.51	0.58
6 HSP7C_MOUSE RecName: Full=Heat shock cognate 71 kDa protein; AltName: Full=Heat shock 70 kDa protein 8								5 (5 0 0 0 0)			
1774 - 1775	K.NQTAEKEEFEHQQK.E	1745.8	3	3.37	0.25	1062.4	1	29/52	3.41	3.38	0.99
1824 - 1825	K.NQTAEKEEFEHQQK.E	1745.8	3	3.55	0.28	1104.1	1	29/52	3.38	2.89	0.86
2864 - 2865	K.STAGDTHLGGEDFDNR.M	1691.7	3	2.97	0.45	541.6	1	26/60	2.90		0.00
5199 - 5200	K.CNEIISWLDK.N	1277.6	2	3.80	0.27	1244.0	1	15/18	3.57	3.16	0.89
5904 - 5905	K.SINPDEAVAYGAAVQAAILSGDK.S	2260.1	2	6.20	0.71	2240.3	1	29/44	6.23	4.53	0.73
7 G3P_MOUSE RecName: Full=Glyceraldehyde-3-phosphate dehydrogenase; Short=GAPDH								5 (5 0 0 0 0)			
2879 - 2880	K.VGVNGFGR.I	805.4	2	2.10	0.11	520.9	2	11/14	2.12		0.00
3134 - 3135	R.GAAQNIIPASTGAAK.A	1369.7	2	3.49	0.22	865.3	1	21/28	3.72	3.42	0.92
4452 - 4453	K.LISWYDNEYGYSNR.V	1779.8	2	4.00	0.51	1088.1	1	16/26	3.80	2.93	0.77
4499 - 4500	K.LISWYDNEYGYSNR.V	1779.8	2	3.94	0.40	1378.6	1	18/26	3.80	2.63	0.69
5164 - 5165	K.WGEAGAEYVVESTGVFTTMEK.A	2307.0	2	6.07	0.62	2363.5	1	26/40	6.11	5.49	0.90
8 BCLF1_MOUSE RecName: Full=Bcl-2-associated transcription factor 1; Short=Btf								4 (4 0 0 0 0)			
2147 - 2148	K.KAEGEPQEES*PLK.S	1521.7	2	5.02	0.40	915.1	1	29/36	4.58	4.76	1.04
2579 - 2580	K.FHDS*EGDDTEETEDYR.Q	2024.7	2	6.37	0.30	1825.2	1	36/45	6.33	6.18	0.98
2589 - 2590	K.FHDS*EGDDTEETEDYR.Q	2024.7	3	3.27	0.18	1157.7	1	34/90	3.34	2.95	0.88

	4049 - 4050	R.IDIS*PSALR.K	1051.5	2	3.01	0.09	1394.9	1	22/24	2.64	2.82	1.07
9	KPYM_MOUSE RecName: Full=Pyruvate kinase isozymes M1/M2; AltName: Full=Pyruvate kinase muscle isozyme								3 (3 0 0 0 0)			
	3734 - 3735	R.NTGIICTIGPASR.S	1359.7	2	3.55	0.55	1501.2	1	20/24	3.58	3.18	0.89
	3739 - 3740	R.LDIDSAPITAR.N	1171.6	2	2.94	0.28	645.1	5	14/20	3.10	2.01	0.65
	5409 - 5410	R.LAPITSDPTEAAAVGAVEASFK.C	2145.1	2	6.16	0.66	2411.8	1	32/42	6.25	4.81	0.77
10	TBB5_MOUSE RecName: Full=Tubulin beta-5 chain								3 (3 0 0 0 0)			
	3212 - 3213	R.ISVYYNEATGGK.Y	1301.6	2	2.22	0.16	381.8	4	12/22	2.22		0.00
	4907 - 4908	K.FWEVISDEHGIDPTGTYHGDSDLQLDR.I	3102.4	3	5.91	0.35	1105.8	1	36/104	5.81	4.59	0.79
	5469 - 5470	R.ALTVPELTQQVFDAK.N	1659.9	2	3.06	0.48	379.0	1	16/28	2.91		0.00
11	PTMA_MOUSE RecName: Full=Prothymosin alpha; Contains: RecName: Full=Thymosin alpha								5 (5 0 0 0 0)			
	1594 - 1595	K.RVAEDDEDDDVDTKK.Q	1749.8	3	5.43	0.39	1931.7	1	35/56	5.13	5.47	1.07
	1642 - 1643	K.RVAEDDEDDDVDTKK.Q	1749.8	3	5.46	0.37	1978.5	1	33/56	4.88	5.46	1.12
	1664 - 1665	R.VAEDDEDDDVDTKK.Q	1593.7	2	4.75	0.50	1855.9	1	20/26	4.47	3.93	0.88
	1672 - 1673	R.VAEDDEDDDVDTKK.Q	1593.7	3	3.41	0.51	659.4	1	26/52	2.59	3.62	1.40
	1777 - 1778	K.RVAEDDEDDDVDTK.K	1621.7	2	4.68	0.45	1683.9	1	22/26	4.45	4.61	1.04
12	TBA1B_MOUSE RecName: Full=Tubulin alpha-1B chain; AltName: Full=Tubulin alpha-2 chain; AltName: Full=Alpha-tubulin 2; AltName: Full=Alpha-tub								3 (3 0 0 0 0)			
	4372 - 4373	K.VGINYQPPTVVPGGDLAK.V	1825.0	2	3.79	0.38	481.3	1	17/34	3.94		0.00
	5052 - 5053	K.TIGGGDDSFNTFFSETGAGK.H	2007.9	2	4.71	0.67	2008.7	1	26/38	4.73	4.00	0.85
	5412 - 5413	R.AVFVDLEPTVIDEVR.T	1701.9	2	3.98	0.40	725.5	1	19/28	3.61	2.56	0.71
13	MCM2_MOUSE RecName: Full=DNA replication licensing factor MCM2; AltName: Full=Minichromosome maintenance protein 2 homolog; AltName: Ful								3 (3 0 0 0 0)			
	3224 - 3225	R.RIS*DPLTSSPGR.S	1365.7	2	2.11	0.27	496.1	1	25/33	2.29	2.53	1.11
	3284 - 3285	R.ISDPLTSS*PGR.S	1209.6	2	3.05	0.11	943.6	1	21/30	2.66	3.08	1.16
	3527 - 3528	R.GLLYDS*SEEDEERPAR.K	1945.8	2	2.91	0.09	261.2	3	25/45	2.92	3.52	1.20
14	EF1A1_MOUSE RecName: Full=Elongation factor 1-alpha 1; Short=EF-1-alpha-1; Short=Elongation factor 1 A-1; AltName: Full=eEF1A-1; AltName: F								3 (3 0 0 0 0)			
	2207 - 2208	K.RYEEIVK.E	936.5	2	2.22	0.11	470.1	2	12/12	2.30		0.00
	2534 - 2535	K.STTTGHLIYK.C	1120.6	2	2.72	0.40	707.3	1	13/18	2.75	2.50	0.91
15	NPM_MOUSE RecName: Full=Nucleophosmin; Short=NPM; AltName: Full=Nucleolar phosphoprotein B23; AltName: Full=Numatrin; AltName: Full=Nu10 (10 0 0 0 0)											
	2769 - 2770	K.VDNDENEHQLSLR.T	1568.7	2	2.65	0.30	665.9	1	14/24	2.41	2.19	0.91
	3922 - 3923	K.CGSGPVHISGQHLVAVEEDAES*EDEDEEDVK.L	3446.4	3	6.03	0.46	861.9	1	49/180	5.57	5.34	0.96
	4104 - 4105	K.CGSGPVHISGQHLVAVEEDAES*EDEDEEDVK.L	3446.4	3	7.51	0.47	1036.7	1	54/180	6.74	4.70	0.70
	4152 - 4153	K.CGSGPVHISGQHLVAVEEDAES*EDEDEEDVK.L	3446.4	3	6.14	0.44	791.9	1	48/180	6.07	4.06	0.67
	4254 - 4255	K.CGSGPVHISGQHLVAVEEDAES*EDEDEEDVK.L	3446.4	3	6.86	0.44	586.6	1	46/180	6.90	4.01	0.58
	4364 - 4365	K.CGSGPVHISGQHLVAVEEDAES*EDEDEEDVK.L	3446.4	3	7.03	0.37	711.2	1	47/180	6.67	4.60	0.69
	4409 - 4410	K.CGSGPVHISGQHLVAVEEDAES*EDEDEEDVK.L	3446.4	3	6.06	0.44	627.7	1	45/180	5.66	3.47	0.61
16	MCM3_MOUSE RecName: Full=DNA replication licensing factor MCM3; AltName: Full=DNA polymerase alpha holoenzyme-associated protein P1; AltN								2 (2 0 0 0 0)			
	2969 - 2970	K.ASEDES*DLEDEEEKSQEDTEQK.R	2650.0	3	4.40	0.19	974.2	1	38/126	4.22		0.00
	5302 - 5303	R.DYLDFLDDEEDQGIYQNK.V	2220.0	2	5.01	0.61	2342.9	1	25/34	5.02	4.09	0.81
17	G6PI_MOUSE RecName: Full=Glucose-6-phosphate isomerase; Short=GPI; AltName: Full=Phosphoglucose isomerase; Short=PGI; AltName: Full=P								2 (2 0 0 0 0)			
	2817 - 2818	K.HFVALSTNTAK.V	1188.6	2	2.69	0.43	896.2	1	16/20	2.66	2.47	0.93
	4874 - 4875	K.KIEPELEGSSAVTSHDSSTNGLISFIK.Q	2846.4	3	6.95	0.55	1719.2	1	42/104	6.09	6.56	1.08
18	EF1D_MOUSE RecName: Full=Elongation factor 1-delta; Short=EF-1-delta								3 (3 0 0 0 0)			
	1782 - 1783	R.ATAPQTQHVS*PMR.Q	1519.7	2	2.81	0.27	431.7	1	24/36	2.63	2.92	1.11
	4074 - 4075	K.GATPAEDDEDKDIDLFGS*DEEEEDKEAAR.L	3276.3	3	6.58	0.53	812.8	1	57/168	6.48	6.27	0.97
	4117 - 4118	K.GATPAEDDEDKDIDLFGS*DEEEEDKEAAR.L	3276.3	3	5.43	0.49	962.3	1	60/168	5.18	6.56	1.26
19	TR150_MOUSE RecName: Full=Thyroid hormone receptor-associated protein 3; AltName: Full=Thyroid hormone receptor-associated protein complex 1								3 (3 0 0 0 0)			
	3487 - 3488	K.WAHDKFS*GEEGEIEDDESGTENR.E	2717.1	3	5.78	0.40	2205.9	1	56/132	5.68	5.02	0.88
	4154 - 4155	R.IDIS*PSTFR.K	1115.5	2	2.93	0.13	1056.7	1	20/24	2.96	2.60	0.88
	4197 - 4198	R.IDIS*PSTFR.K	1115.5	2	3.04	0.16	1272.1	1	21/24	2.99	3.03	1.01
20	1433Z_MOUSE RecName: Full=14-3-3 protein zeta/delta; AltName: Full=Protein kinase C inhibitor protein 1; Short=KCIP-1; AltName: Full=SEZ-2								2 (2 0 0 0 0)			
	2634 - 2635	K.SVTEQGAELSNEER.N	1548.7	2	3.89	0.48	2023.3	1	21/26	3.72	2.44	0.66
	4714 - 4715	K.GIVDQSQQAYQEAFEISK.K	2041.0	2	5.14	0.63	2238.8	1	23/34	5.11	3.50	0.68
21	ACTS_MOUSE RecName: Full=Actin, alpha skeletal muscle; AltName: Full=Alpha-actin-1								3 (3 0 0 0 0)			
	2332 - 2333	K.AGFAGDDAPR.A	976.4	2	3.29	0.43	1242.6	1	17/18	3.21	3.06	0.95
	5969 - 5970	K.LCYVALDFENEMATAASSSSLEK.S	2552.2	3	3.98	0.37	826.3	1	26/88	3.74	3.50	0.94
22	SET_MOUSE RecName: Full=Protein SET; AltName: Full=Phosphatase 2A inhibitor I2PP2A; Short=I-2PP2A; AltName: Full=Template-activating fact								3 (3 0 0 0 0)			
	3434 - 3435	R.LNEQASEEILK.V	1273.7	2	3.80	0.27	1079.9	1	16/20	3.59		0.00
	5357 - 5358	R.IDFYFDENPYFENK.V	1840.8	2	4.98	0.39	1961.3	1	20/26	4.98	4.61	0.93
	5404 - 5405	R.IDFYFDENPYFENK.V	1840.8	2	3.96	0.47	1877.4	1	20/26	3.84	3.18	0.83
23	NOL5_MOUSE RecName: Full=Nucleolar protein 5; AltName: Full=SIK-similar protein; AltName: Full=MSSP								2 (2 0 0 0 0)			
	3204 - 3205	K.HIKEEPLS*EEEPCTSTAVPS*PEKK.K	2882.3	3	4.78	0.18	789.7	1	53/184	4.23	2.93	0.69
	3354 - 3355	K.HIKEEPLS*EEEPCTSTAVPS*PEK.K	2754.2	3	4.41	0.12	1812.7	1	56/176	4.02	4.58	1.14
24	ALDOC_MOUSE RecName: Full=Fructose-bisphosphate aldolase C; AltName: Full=Brain-type aldolase; AltName: Full=Aldolase 3; AltName: Full=Zebr								2 (2 0 0 0 0)			
	3492 - 3493	K.Y*S*PEEIAMAT*VTALR.R	1907.7	3	2.99	0.12	578.9	1	39/140			#DIV/0!
	5284 - 5285	R.YASICQQNGIVPIVEPEILPDGDHDLK.R	3020.5	3	3.97	0.23	945.1	2	32/104	3.67		0.00
25	ACTB_MOUSE RecName: Full=Actin, cytoplasmic 1; AltName: Full=Beta-actin								2 (2 0 0 0 0)			
	2784 - 2785	K.QEYDESGPSIVHR.K	1516.7	3	2.65	0.33	1066.7	1	24/48	2.62	2.53	0.97
	4242 - 4243	R.VAPEEHPVLLTEAPLNPK.A	1954.1	3	3.96	0.19	760.3	1	28/68	3.51	3.70	1.05
26	UBIQ_MOUSE RecName: Full=Ubiquitin								2 (2 0 0 0 0)			
	4179 - 4180	K.TITLEVEPSDTIENVKAK.I	1987.1	3	2.83	0.22	341.1	1	22/68		3.53	#DIV/0!
	4429 - 4430	K.TITLEVEPSDTIENVK.A	1787.9	2	3.94	0.39	772.4	1	19/30	3.80	2.34	0.62
27	NP1L4_MOUSE RecName: Full=Nucleosome assembly protein 1-like 4								2 (2 0 0 0 0)			
	3384 - 3385	K.FYEEVHDLER.K	1336.6	2	3.25	0.44	1401.7	1	18/18	2.48	3.23	1.30
	4227 - 4228	R.EFITGDVEPTDAESAWHS*ENEEEDK.L	2944.2	3	3.93	0.19	850.5	1	39/144	3.72		0.00
28	NUCL_MOUSE RecName: Full=Nucleolin; AltName: Full=Protein C23								2 (2 0 0 0 0)			
	2974 - 2975	K.GLSEDTTEETLK.E	1322.6	2	2.89	0.45	985.4	1	17/22	3.26	2.68	0.82
	4822 - 4823	K.FGYVDFESAEDLEK.A	1648.7	2	3.55	0.58	1259.5	1	19/26	3.52	2.71	0.77
29	PPIA_MOUSE RecName: Full=Peptidyl-prolyl cis-trans isomerase A; Short=PPIase A; Short=Rotamase A; AltName: Full=Cyclophilin A; AltName: Fu								4 (4 0 0 0 0)			
	3177 - 3178	K.TEWLDGK.H	848.4	2	2.08	0.30	337.2	1	9/12		2.05	#DIV/0!
	3187 - 3188	K.TEWLDGK.H	848.4	1	1.99	0.39	327.2	1	10/12		1.90	#DIV/0!
	4384 - 4385	K.FEDENFILK.H	1154.6	2	3.02	0.28	899.4	1	16/16	3.03	2.93	0.97
	4427 - 4428	K.FEDENFILK.H	1154.6	2	3.17	0.22	851.6	1	16/16	3.32	2.99	0.90
30	INO1_MOUSE RecName: Full=Inositol-3-phosphate synthase 1; AltName: Full=Myo-inositol-1-phosphate synthase; Short=MI-1-P synthase; Short=MI								2 (2 0 0 0 0)			
	2832 - 2833	R.HVFVGGDDFKSGQTK.V	1621.8	3	2.93	0.32	691.2	1	23/56	2.79	3.10	1.11
	3232 - 3233	R.HVFVGGDDFK.S	1120.5	2	2.55	0.37	488.3	1	12/18	2.67	2.73	1.02
31	1433E_MOUSE RecName: Full=14-3-3 protein epsilon; Short=14-3-3E								1 (1 0 0 0 0)			
	6039 - 6040	K.AAFDDAIAELDTLSEESYK.D	2088.0	2	6.82	0.62	2541.0	1	27/36	6.79	5.65	0.83

32	SRRM1_MOUSE RecName: Full=Serine/arginine repetitive matrix protein 1; AltName: Full=Plenty-of-prolines 101								1 (1 0 0 0 0)			
	2299 - 2300	R.RLS*PS*ASPPR.R	1227.5	2	2.23	0.21	549.0	3	24/36	1.92	2.26	1.18
	2484 - 2485	R.RYS*PPIQR.R	1096.5	2	2.45	0.16	372.6	2	16/21	2.46		0.00
	3412 - 3413	R.KETES*EAEDDNLDDLER.H	2087.8	2	6.61	0.50	1466.2	2	40/48		6.08	#DIV/0!
33	EIF3B_MOUSE RecName: Full=Eukaryotic translation initiation factor 3 subunit B; Short=eIF3b; AltName: Full=Eukaryotic translation initiation factor 3								1 (1 0 0 0 0)			
	2382 - 2383	R.AKPAAQSEEETATS*PAASPTPQSAER.S	2692.2	3	4.30	0.10	542.6	1	40/150	4.47		0.00
34	NSUN2_MOUSE RecName: Full=tRNA (cytosine-5-)-methyltransferase NSUN2; AltName: Full=NOL1/NOP2/Sun domain family member 2; AltName: F								1 (1 0 0 0 0)			
	3329 - 3330	K.EGVILTNENAAS*PEQPGDEDAK.Q	2364.0	2	5.75	0.28	1167.6	1	33/63	5.58	4.51	0.81
35	6PGD_MOUSE RecName: Full=6-phosphogluconate dehydrogenase, decarboxylating								1 (1 0 0 0 0)			
	5807 - 5808	K.LVPLLDTGDIIIDGGNSEYR.D	2160.1	2	5.69	0.58	1443.0	1	26/38	5.58	3.25	0.58
36	HEM2_MOUSE RecName: Full=Delta-aminolevulinic acid dehydratase; Short=ALADH; AltName: Full=Porphobilinogen synthase								1 (1 0 0 0 0)			
	3124 - 3125	K.DEQGSAADSEDSPTIEAVR.L	1976.9	2	5.62	0.60	2846.8	1	27/36	5.03	5.99	1.19
37	NOL5A_MOUSE RecName: Full=Nucleolar protein 5A; AltName: Full=Nucleolar protein Nop56								1 (1 0 0 0 0)			
	2714 - 2715	K.EEVAS*EPEEAASPTTPK.K	1851.8	2	5.59	0.38	1237.6	1	30/48	5.48	4.75	0.87
38	ZRAB2_MOUSE RecName: Full=Zinc finger Ran-binding domain-containing protein 2; AltName: Full=Zinc finger protein 265; AltName: Full=Zinc finger,								1 (1 0 0 0 0)			
	2639 - 2640	K.YNLDAS*EEEDSNK.K	1593.6	2	5.48	0.26	1298.9	1	31/36	5.68	4.33	0.76
39	TCEA1_MOUSE RecName: Full=Transcription elongation factor A protein 1; AltName: Full=Transcription elongation factor S-II protein 1; AltName: Ful								1 (1 0 0 0 0)			
	1699 - 1700	K.KKEPAISSQNS*PEAR.E	1721.8	3	5.20	0.27	1485.1	2	41/84	4.93	5.32	1.08
40	1433B_MOUSE RecName: Full=14-3-3 protein beta/alpha; AltName: Full=Protein kinase C inhibitor protein 1; Short=KCIP-1								1 (1 0 0 0 0)			
	6014 - 6015	K.TAFDEAIAELDTLNEESYK.D	2159.0	2	5.13	0.66	2508.5	1	25/36	5.23	3.37	0.64
41	BTF3_MOUSE RecName: Full=Transcription factor BTF3; AltName: Full=RNA polymerase B transcription factor 3								1 (1 0 0 0 0)			
	5217 - 5218	K.APLATGEDDDDEVPDLVENFDEASK.N	2691.2	2	5.10	0.64	897.3	1	23/48	5.02	2.27	0.45
42	LRRF2_MOUSE RecName: Full=Leucine-rich repeat flightless-interacting protein 2; AltName: Full=LRR FLII-interacting protein 2								1 (1 0 0 0 0)			
	4657 - 4658	R.RGS*GDTSSLIDPDTSLSELR.E	2186.0	2	5.01	0.19	466.0	1	23/57	4.39		0.00
43	TCPB_MOUSE RecName: Full=T-complex protein 1 subunit beta; Short=TCP-1-beta; AltName: Full=CCT-beta								1 (1 0 0 0 0)			
	6394 - 6395	R.VQDDEVGDGTTSVTVLAAELLR.E	2288.2	2	4.99	0.50	1870.9	1	26/42	4.68	3.88	0.83
44	IF4A1_MOUSE RecName: Full=Eukaryotic initiation factor 4A-I; Short=eIF-4A-I; Short=eIF4A-I; AltName: Full=ATP-dependent RNA helicase eIF4A-								1 (1 0 0 0 0)			
	5454 - 5455	R.GIDVQQVSLVINYDLPTNR.E	2144.1	2	4.98	0.58	2086.3	1	24/36	4.90	3.70	0.76
45	1433T_MOUSE RecName: Full=14-3-3 protein theta; AltName: Full=14-3-3 protein tau								1 (1 0 0 0 0)			
	5999 - 6000	K.TAFDEAIAELDTLNEDSYK.D	2145.0	2	4.97	0.61	2356.2	1	25/36	5.09	3.87	0.76
46	HNRPF_MOUSE RecName: Full=Heterogeneous nuclear ribonucleoprotein F; Short=hnRNP F								1 (1 0 0 0 0)			
	5737 - 5738	K.ITGEAFVQFASQELAEK.A	1867.9	2	4.97	0.48	2351.4	1	23/32	5.10	4.35	0.85
47	CH60_MOUSE RecName: Full=60 kDa heat shock protein, mitochondrial; AltName: Full=Heat shock protein 60; Short=HSP-60; Short=Hsp60; AltNam								1 (1 0 0 0 0)			
	4544 - 4545	R.IQEITEQLDITTSEYEK.E	2040.0	2	4.86	0.61	2258.3	1	25/32	4.84	2.29	0.47
48	GRP78_MOUSE RecName: Full=78 kDa glucose-regulated protein; AltName: Full=GRP 78; AltName: Full=Heat shock 70 kDa protein 5; AltName: Ful								1 (1 0 0 0 0)			
	6042 - 6043	R.IEIESFFEGEDFSETLTR.A	2149.0	2	4.79	0.57	2548.4	1	27/34	4.76	3.48	0.73
49	DNLI1_MOUSE RecName: Full=DNA ligase 1; AltName: Full=DNA ligase I; AltName: Full=Polydeoxyribonucleotide synthase [ATP] 1								1 (1 0 0 0 0)			
	3119 - 3120	K.VAQVLSCEGEDEDEAPGT*PK.V	2210.9	2	4.77	0.59	1177.2	1	31/57	4.85	4.41	0.91
50	COF1_MOUSE RecName: Full=Cofilin-1; AltName: Full=Cofilin, non-muscle isoform								1 (1 0 0 0 0)			
	2687 - 2688	K.HELQANCYEEVK.D	1519.7	2	4.69	0.55	1794.3	1	21/22	4.57	4.17	0.91
51	FNBP4_MOUSE RecName: Full=Formin-binding protein 4; AltName: Full=Formin-binding protein 30								1 (1 0 0 0 0)			
	3184 - 3185	K.IDEIS*DKETEVEESSEK.I	2046.9	2	4.68	0.33	434.7	1	23/48	4.42	3.56	0.80
52	PCNA_MOUSE RecName: Full=Proliferating cell nuclear antigen; Short=PCNA; AltName: Full=Cyclin								1 (1 0 0 0 0)			
	5142 - 5143	R.AEDNADTLALVFEAPNQEK.V	2075.0	2	4.67	0.54	1168.7	1	20/36	4.44	2.71	0.61
53	TIF1B_MOUSE RecName: Full=Transcription intermediary factor 1-beta; Short=TIF1-beta; AltName: Full=Tripartite motif-containing protein 28; AltNar								1 (1 0 0 0 0)			
	3679 - 3680	R.SRS*GEGEVSGLLR.K	1426.7	2	3.83	0.16	251.7	1	19/36	3.44	3.35	0.98
54	MLL3_MOUSE RecName: Full=Histone-lysine N-methyltransferase MLL3; AltName: Full=Myeloid/lymphoid or mixed-lineage leukemia protein 3 homolog								1 (1 0 0 0 0)			
	5492 - 5493	K.EEPPEPVPS*PIIPILPS*IS*GK.N	2436.1	3	4.31	0.10	796.8	2	44/200		4.45	#DIV/0!
55	SEPT2_MOUSE RecName: Full=Septin-2; AltName: Full=Neural precursor cell expressed developmentally down-regulated protein 5; Short=NEDD-5								1 (1 0 0 0 0)			
	3789 - 3790	K.IYHLPDAES*DEDEDFKEQTR.L	2517.0	3	4.29	0.36	1634.5	1	47/114	4.12	4.53	1.10
56	RPA43_MOUSE RecName: Full=DNA-directed RNA polymerase I subunit RPA43; AltName: Full=Twist neighbor protein								1 (1 0 0 0 0)			
	2184 - 2185	K.HSEEANFES*PK.K	1354.5	2	4.29	0.32	646.5	1	21/30	4.19	3.72	0.89
57	PPIL4_MOUSE RecName: Full=Peptidyl-prolyl cis-trans isomerase-like 4; Short=PPIase; Short=Rotamase; AltName: Full=Cyclophilin-like protein PPIL								1 (1 0 0 0 0)			
	5684 - 5685	R.INHTVILDDPFDDPPDLLIPDRS*PEPTK.E	3249.6	3	4.29	0.10	611.7	1	38/162	4.53		0.00
58	TBB2B_MOUSE RecName: Full=Tubulin beta-2B chain								1 (1 0 0 0 0)			
	6019 - 6020	K.GHYTEGAELVDSVLDVVR.K	1959.0	3	4.27	0.43	1354.3	1	31/68	3.76	3.92	1.04
59	TBA4A_MOUSE RecName: Full=Tubulin alpha-4A chain; AltName: Full=Tubulin alpha-4 chain; AltName: Full=Alpha-tubulin 4; AltName: Full=Alpha-tubu								1 (1 0 0 0 0)			
	5264 - 5265	K.TIGGGDDSFTTFFCETGAGK.H	2067.9	2	4.26	0.60	821.1	1	21/38	4.41	3.06	0.69
60	GDIR1_MOUSE RecName: Full=Rho GDP-dissociation inhibitor 1; Short=Rho GDI 1; AltName: Full=Rho-GDI alpha; AltName: Full=GDI-1								1 (1 0 0 0 0)			
	4072 - 4073	R.VAVSADPNVPNVIVTR.L	1650.9	2	4.22	0.47	1007.7	1	22/30	4.46	3.37	0.76
61	ACTBL_MOUSE RecName: Full=Beta-actin-like protein 2; AltName: Full=Kappa-actin								2 (2 0 0 0 0)			
	4719 - 4720	R.SYELPDGQVITIGNER.F	1790.9	2	4.19	0.52	1080.7	1	20/30	4.06	2.87	0.71
	4757 - 4758	R.SYELPDGQVITIGNER.F	1790.9	2	3.76	0.50	972.3	1	20/30	3.70	2.23	0.60
62	TKT_MOUSE RecName: Full=Transketolase; Short=TK; AltName: Full=P68								1 (1 0 0 0 0)			
	4532 - 4533	K.ILATPPQEDAPSVDIANIR.M	2020.1	2	3.98	0.60	307.9	1	17/36	4.06	2.68	0.66
63	IMB1_MOUSE RecName: Full=Importin subunit beta-1; AltName: Full=Karyopherin subunit beta-1; AltName: Full=Nuclear factor P97; AltName: Full=F								1 (1 0 0 0 0)			
	3012 - 3013	K.QDENDDDDDWNPCK.A	1765.6	2	3.97	0.31	684.7	1	14/26	3.87	3.05	0.79
64	FA83B_MOUSE RecName: Full=Protein FAM83B								1 (1 0 0 0 0)			
	4157 - 4158	R.FEPFCKIESSIQPASS*VT*NT*HVNRPEVK.S	3441.5	3	3.88	0.08	634.7	1	48/270	3.24		0.00
65	AATC_MOUSE RecName: Full=Aspartate aminotransferase, cytoplasmic; AltName: Full=Transaminase A; AltName: Full=Glutamate oxaloacetate trar								1 (1 0 0 0 0)			
	3492 - 3493	R.VGGVQSLGGTGALR.I	1271.7	2	3.85	0.37	718.8	1	17/26	3.37	2.65	0.79
66	TCOF_MOUSE RecName: Full=Treacle protein; AltName: Full=Treacher Collins syndrome protein homolog								1 (1 0 0 0 0)			
	2867 - 2868	R.KLS*GDLEAGAPK.N	1265.6	2	3.81	0.45	751.4	1	27/33	3.64	3.82	1.05
67	IF2P_MOUSE RecName: Full=Eukaryotic translation initiation factor 5B; Short=eIF-5B; AltName: Full=Translation initiation factor IF-2								1 (1 0 0 0 0)			
	3067 - 3068	K.SVPTVDS*GNEDDDSSFK.I	1878.7	2	3.77	0.27	780.2	1	33/48	3.56	4.23	1.19
68	RU17_MOUSE RecName: Full=U1 small nuclear ribonucleoprotein 70 kDa; Short=U1 snRNP 70 kDa; Short=snRNP70								1 (1 0 0 0 0)			
	2582 - 2583	R.YDERPGPS*PLPHR.D	1600.7	3	3.74	0.42	1101.1	1	36/72	3.57	2.75	0.77
69	DC1L1_MOUSE RecName: Full=Cytoplasmic dynein 1 light intermediate chain 1; AltName: Full=Dynein light intermediate chain 1, cytosolic; Short=Dyne								1 (1 0 0 0 0)			
	2017 - 2018	K.ENKNIDLVY*KYIVQK.L	1947.0	3	3.66	0.13	959.6	1	43/84	2.97	4.14	1.39
70	NP1L1_MOUSE RecName: Full=Nucleosome assembly protein 1-like 1; AltName: Full=NAP-1-related protein; AltName: Full=Brain protein DN38								1 (1 0 0 0 0)			
	5187 - 5188	R.LDGLVDTPTGYIESLPK.V	1818.0	2	3.62	0.40	611.1	1	17/32	3.76	2.96	0.79
71	ALDOA_MOUSE RecName: Full=Fructose-bisphosphate aldolase A; AltName: Full=Muscle-type aldolase; AltName: Full=Aldolase 1								1 (1 0 0 0 0)			
	3422 - 3423	K.GILAADESTGSIAK.R	1332.7	2	3.60	0.61	1677.1	1	20/26	3.66	2.71	0.74
72	CI078_MOUSE RecName: Full=Uncharacterized protein C9orf78 homolog								1 (1 0 0 0 0)			
	1854 - 1855	R.VGDTEKPEPERS*PPNR.K	1887.9	3	3.58	0.12	735.3	2	33/90	3.17	3.13	0.99
73	DNMBP_MOUSE RecName: Full=Dynamin-binding protein; AltName: Full=Scaffold protein Tuba								1 (1 0 0 0 0)			

	5807 - 5808	R.GCQRSSPHSEVVGY*S*VPGRNDQGSDS*IK.G	3243.3	3	3.37	0.11	322.5	10	42/270			#DIV/0!
74	KAP0_MOUSE RecName: Full=cAMP-dependent protein kinase type I-alpha regulatory subunit								2 (2 0 0 0 0)			
	3264 - 3265	R.TDSREDEIS*PPPPNPVVK.G	2057.0	3	3.36	0.20	978.4	1	43/102	3.09	3.31	1.07
	3317 - 3318	R.TDSREDEIS*PPPPNPVVK.G	2057.0	3	3.02	0.14	1010.5	1	43/102	2.78	2.85	1.03
75	U3IP2_MOUSE RecName: Full=U3 small nucleolar RNA-interacting protein 2; AltName: Full=U3 small nucleolar ribonucleoprotein-associated 55 kDa pro								1 (1 0 0 0 0)			
	3612 - 3613	R.GHQLS*ITCLVIT*PDDLAIFSAAKDCT*IIK.W	3440.6	3	3.31	0.09	589.3	3	44/280			#DIV/0!
76	EI2BE_MOUSE RecName: Full=Translation initiation factor eIF-2B subunit epsilon; AltName: Full=eIF-2B GDP-GTP exchange factor subunit epsilon								2 (2 0 0 0 0)			
	3159 - 3160	R.AGS*PQLDDIR.V	1151.5	2	3.29	0.26	917.5	1	19/27	3.17	2.85	0.90
	3202 - 3203	R.AGS*PQLDDIR.V	1151.5	2	3.02	0.15	1075.0	1	21/27	2.83	2.62	0.93
77	ABCF1_MOUSE RecName: Full=ATP-binding cassette sub-family F member 1								1 (1 0 0 0 0)			
	4177 - 4178	K.QLSVPAS*DEEDEVPAPIPR.G	2129.0	2	3.18	0.19	1097.6	1	29/54	3.18	2.44	0.77
78	CJ078_MOUSE RecName: Full=Uncharacterized protein C10orf78 homolog								1 (1 0 0 0 0)			
	2744 - 2745	R.ENPPS*PPTSPAAPQPR.E	1722.8	2	3.07	0.13	445.0	1	21/45	2.70	2.93	1.09
79	ERBB2_MOUSE RecName: Full=Receptor tyrosine-protein kinase erbB-2; AltName: Full=p185erbB2; AltName: Full=C-erbB-2; AltName: Full=NEU prc								1 (1 0 0 0 0)			
	3334 - 3335	R.FVVIQNEDLGPSSPMDS*T*FY*R.S	2658.0	2	3.05	0.11	428.6	4	24/100	3.00		0.00
80	MICA3_MOUSE RecName: Full=Protein MICAL-3								1 (1 0 0 0 0)			
	4142 - 4143	R.QTEGY*S*GVNVTDLTMS*WK.S	2271.8	2	3.03	0.22	241.4	2	22/85	2.82		0.00
81	CALR_MOUSE RecName: Full=Calreticulin; AltName: Full=CRP55; AltName: Full=Calregulin; AltName: Full=HACBP; AltName: Full=ERp60; Flags: Pr								1 (1 0 0 0 0)			
	2939 - 2940	K.IKDPDAAKPEDWDER.A	1784.8	3	3.03	0.34	966.4	1	27/56	3.03	2.62	0.86
82	NFAC3_MOUSE RecName: Full=Nuclear factor of activated T-cells, cytoplasmic 3; Short=NF-ATc3; Short=NFATc3; AltName: Full=T-cell transcriptic								1 (1 0 0 0 0)			
	3389 - 3390	K.VLS*LQIASIPVECS*QR.S	1959.9	3	3.02	0.09	604.8	3	35/120	2.68		0.00
83	TENA_MOUSE RecName: Full=Tenascin; Short=TN; AltName: Full=Tenascin-C; Short=TN-C; AltName: Full=Hexabrachion; Flags: Precursor								1 (1 0 0 0 0)			
	4662 - 4663	R.VPGDQT*S*TTIRELEPGVEY*FIR.V	2747.2	3	3.00	0.08	576.7	2	40/210			#VALUE!
84	EF2_MOUSE RecName: Full=Elongation factor 2; Short=EF-2								2 (2 0 0 0 0)			
	3782 - 3783	K.YEWDVAEAR.K	1138.5	2	3.00	0.50	911.9	1	15/16	3.23	2.76	0.85
	3829 - 3830	K.YEWDVAEAR.K	1138.5	2	3.00	0.43	775.5	1	15/16	3.26	2.60	0.80
85	COF2_MOUSE RecName: Full=Cofilin-2; AltName: Full=Cofilin, muscle isoform								1 (1 0 0 0 0)			
	3664 - 3665	R.YALYDATYETK.E	1337.6	2	3.00	0.47	924.1	1	16/20	3.03	2.65	0.87
86	PLCZ1_MOUSE RecName: Full=1-phosphatidylinositol-4,5-bisphosphate phosphodiesterase zeta-1; AltName: Full=Phospholipase C-zeta-1; Short=PLC-								1 (1 0 0 0 0)			
	2077 - 2078	R.VY*QQFNET*NSIGESRARK.L	2287.0	2	2.99	0.12	718.8	1	23/68	2.60		0.00
87	WDR27_MOUSE RecName: Full=WD repeat-containing protein 27								1 (1 0 0 0 0)			
	3944 - 3945	-.METPPEMPST*DGHT*RAIVT*ER.Y	2627.0	3	2.95	0.14	344.4	4	45/200			#VALUE!
88	EIF3C_MOUSE RecName: Full=Eukaryotic translation initiation factor 3 subunit C; Short=eIF3c; AltName: Full=Eukaryotic translation initiation factor 3								2 (2 0 0 0 0)			
	3594 - 3595	K.QPLLLS*EDEEDTKR.V	1752.8	3	2.84	0.39	542.7	2	32/78	2.16	3.17	1.47
	3617 - 3618	K.QPLLLS*EDEEDTKR.V	1752.8	2	2.02	0.22	137.0	4	16/39			#VALUE!
89	NUCB2_MOUSE RecName: Full=Nucleobindin-2; AltName: Full=DNA-binding protein NEFA; Flags: Precursor								1 (1 0 0 0 0)			
	2912 - 2913	K.KLQQGIAPS*GPAGELKFEPHT*.-	2365.1	3	2.93	0.18	374.4	2	39/160			#VALUE!
90	TNFL8_MOUSE RecName: Full=Tumor necrosis factor ligand superfamily member 8; AltName: Full=CD30 ligand; Short=CD30-L; AltName: CD_antige								1 (1 0 0 0 0)			
	2227 - 2228	K.IKKQT*LVT*VCESGVQS*K.N	2144.9	2	2.90	0.10	432.1	3	22/80			#VALUE!
91	ATM_MOUSE RecName: Full=Serine-protein kinase ATM; AltName: Full=Ataxia telangiectasia mutated homolog; Short=A-T, mutated homolog								1 (1 0 0 0 0)			
	2649 - 2650	K.SNVSAT*T*QSS*R.Q	1377.4	3	2.89	0.17	609.2	2	36/100			#VALUE!
92	TITIN_MOUSE RecName: Full=Titin; AltName: Full=Connectin								1 (1 0 0 0 0)			
	1917 - 1918	K.ELEGT*GKLEIK.I	1296.6	2	2.19	0.13	422.6	5	17/30			#VALUE!
93	PRG4_MOUSE RecName: Full=Proteoglycan 4; AltName: Full=Lubricin; AltName: Full=Megakaryocyte-stimulating factor; AltName: Full=Superficial zo								1 (1 0 0 0 0)			
	4889 - 4890	K.DQY*YNIDVPTRTARAITTR.S	2334.1	2	2.87	0.11	424.0	1	18/54			#VALUE!
94	NR1D1_MOUSE RecName: Full=Nuclear receptor subfamily 1 group D member 1; AltName: Full=V-erbA-related protein EAR-1; AltName: Full=Rev-ert								1 (1 0 0 0 0)			
	1589 - 1590	R.EIFT*YAHDK.L	1203.5	3	2.83	0.16	425.6	1	19/48	2.85		0.00
95	BPAEA_MOUSE RecName: Full=Bullous pemphigoid antigen 1, isoform 5; Short=BPA; AltName: Full=Hemidesmosomal plaque protein; AltName: Full=								1 (1 0 0 0 0)			
	1722 - 1723	K.TS*IPIKAICDY*R.Q	1596.7	3	2.83	0.09	699.4	10	31/88			#VALUE!
96	PML_MOUSE RecName: Full=Probable transcription factor PML								1 (1 0 0 0 0)			
	4224 - 4225	R.LATSS*PEQSWPSTFK.A	1745.8	2	2.82	0.09	507.6	1	18/42			#VALUE!
97	CSN3_MOUSE RecName: Full=COP9 signalosome complex subunit 3; Short=Signalosome subunit 3; Short=SGN3; AltName: Full=JAB1-containing sig								1 (1 0 0 0 0)			
	1879 - 1880	K.YVLHMIEDGEIFASINQK.D	2123.0	3	2.78	0.10	652.7	1	25/68			#VALUE!
98	CA055_MOUSE RecName: Full=UPF0667 protein C1orf55 homolog								1 (1 0 0 0 0)			
	3669 - 3670	R.EDGIDAVEVAADRPGS*PR.S	1933.9	3	2.66	0.21	665.5	4	33/102		2.23	#VALUE!
99	CNTN5_MOUSE RecName: Full=Contactin-5; AltName: Full=Neural recognition molecule NB-2; Flags: Precursor								1 (1 0 0 0 0)			
	3414 - 3415	R.T*NEAVPKT*APSNVSGR.S	1787.8	3	2.62	0.19	685.7	2	35/120			#VALUE!
100	OBSCN_MOUSE RecName: Full=Obscurin; AltName: Full=Obscurin-myosin light chain kinase; Short=Obscurin-MLCK; AltName: Full=Obscurin-RhoG								1 (1 0 0 0 0)			
	3397 - 3398	R.EVPGRSHS*LDNPPVT*T*GPSPEACK.E	2772.1	2	2.62	0.12	418.0	2	24/115			#VALUE!
101	PDE1C_MOUSE RecName: Full=Calcium/calmodulin-dependent 3',5'-cyclic nucleotide phosphodiesterase 1C; Short=Cam-PDE 1C								1 (1 0 0 0 0)			
	3054 - 3055	K.RS*GVKS*SGSDGSAPINNSVIPVDYK.S	2694.2	3	2.61	0.11	369.9	1	47/192			#VALUE!
102	BPA1_MOUSE RecName: Full=Bullous pemphigoid antigen 1, isoforms 1/2/3/4; Short=BPA; AltName: Full=Hemidesmosomal plaque protein; AltName:								1 (1 0 0 0 0)			
	2224 - 2225	K.QT*T*GDEVLIIQDK.L	1619.7	2	2.55	0.14	420.1	1	19/48		2.17	#VALUE!
103	CRBB2_MOUSE RecName: Full=Beta-crystallin B2; AltName: Full=Beta-B2 crystallin; AltName: Full=Beta-crystallin Bp								1 (1 0 0 0 0)			
	4747 - 4748	-.MAS*DHQT*QAGKPQPLNPK.I	2123.9	2	2.60	0.08	195.1	8	23/68	2.61		0.00
104	DCR1A_MOUSE RecName: Full=DNA cross-link repair 1A protein								1 (1 0 0 0 0)			
	2964 - 2965	K.RS*S*MPLDKPLGTSPSSPK.C	2060.9	3	2.58	0.18	309.1	3	35/136			#VALUE!
105	TCPQ_MOUSE RecName: Full=T-complex protein 1 subunit theta; Short=TCP-1-theta; AltName: Full=CCT-theta								1 (1 0 0 0 0)			
	4339 - 4340	K.DMLEAS*ILDTY*LGKYWAIK.L	2406.1	2	2.52	0.24	132.6	10	16/72			#VALUE!
106	GIT1_MOUSE RecName: Full=ARF GTPase-activating protein GIT1; AltName: Full=G protein-coupled receptor kinase-interactor 1; AltName: Full=GI								1 (1 0 0 0 0)			
	1932 - 1933	K.HDS*FVPCS*EKIHLAVTEMASLFPK.R	2919.3	3	2.54	0.20	251.1	1	40/184			#VALUE!
107	MSH3_MOUSE RecName: Full=DNA mismatch repair protein Msh3; Short=Repair-3 protein; AltName: Full=REP-1								1 (1 0 0 0 0)			
	1819 - 1820	R.S*T*FMEQLT*DTAEIIRR.A	2166.9	3	2.53	0.08	557.2	1	41/150			#VALUE!
108	PGK2_MOUSE RecName: Full=Phosphoglycerate kinase 2; AltName: Full=Phosphoglycerate kinase, testis specific								1 (1 0 0 0 0)			
	2064 - 2065	R.FHVEEEGK.G	974.5	2	2.52	0.35	908.2	1	14/14	2.73	2.67	0.98
109	RAN_MOUSE RecName: Full=GTP-binding nuclear protein Ran; AltName: Full=GTPase Ran; AltName: Full=Ras-related nuclear protein; AltName: Fu								1 (1 0 0 0 0)			
	2279 - 2280	R.HLTGEFEK.K	960.5	2	2.51	0.28	721.6	1	13/14	2.37	2.84	1.20
110	ROA1_MOUSE RecName: Full=Heterogeneous nuclear ribonucleoprotein A1; AltName: Full=hnRNP core protein A1; AltName: Full=Helix-destabilizing p								1 (1 0 0 0 0)			
	2367 - 2368	K.SES*PKEPEQLR.K	1379.6	2	2.47	0.10	638.6	1	23/30	2.33	2.16	0.93
111	RINI_MOUSE RecName: Full=Ribonuclease inhibitor; AltName: Full=Ribonuclease/angiogenin inhibitor 1								1 (1 0 0 0 0)			
	2732 - 2733	K.ELS*LASNELK.D	1183.6	2	2.47	0.11	453.4	1	17/27			#VALUE!
112	GSK3A_MOUSE RecName: Full=Glycogen synthase kinase-3 alpha; Short=GSK-3 alpha								1 (1 0 0 0 0)			
	4449 - 4450	K.LGRDSGKVT*T*VVATVGQGPER.S	2287.1	2	2.22	0.14	384.1	1	30/80			#VALUE!
113	K22O_MOUSE RecName: Full=Keratin, type II cytoskeletal 2 oral; AltName: Full=Keratin-76; Short=K76								1 (1 0 0 0 0)			
	5467 - 5468	K.KQNTNMQTSIAEAEQR.G	1864.9	2	2.43	0.22	467.6	4	12/30	2.36		0.00
114	CAC1D_MOUSE RecName: Full=Voltage-dependent L-type calcium channel subunit alpha-1D; AltName: Full=Voltage-gated calcium channel subunit alpl								1 (1 0 0 0 0)			

	3612 - 3613	K.ET*EGGNHSSGKS*GGFDVKALR.A	2293.0	2	2.39	0.12	366.9	3	18/80	2.33		0.00
115	RS18_MOUSE RecName: Full=40S ribosomal protein S18; AltName: Full=Ke-3; Short=Ke3								1 (1 0 0 0 0)			
	2664 - 2665	R.AGELTEDEVER.V	1247.6	2	2.39	0.24	417.2	4	12/20	2.01		0.00
116	FRAP_MOUSE RecName: Full=FKBP12-rapamycin complex-associated protein; AltName: Full=FK506-binding protein 12-rapamycin complex-associate								1 (1 0 0 0 0)			
	4162 - 4163	R.LMDT*NT*KGNK.R	1297.5	2	2.34	0.15	452.5	10	17/36		2.54	#VALUE!
117	DOPD_MOUSE RecName: Full=D-dopachrome decarboxylase; AltName: Full=D-dopachrome tautomerase								1 (1 0 0 0 0)			
	2564 - 2565	R.IPAGLENR.L	869.5	2	2.28	0.19	691.8	1	13/14	2.64	2.21	0.84
118	CTND2_MOUSE RecName: Full=Catenin delta-2; AltName: Full=Neural plakophilin-related ARM-repeat protein; Short=NPRAP; AltName: Full=Neurojun								1 (1 0 0 0 0)			
	5819 - 5820	K.DGWSQYHFVASS*S*T*IER.D	2209.8	2	2.27	0.14	166.4	9	18/80			#VALUE!
119	FOLR4_MOUSE RecName: Full=Probable folate receptor delta; Short=FR-delta; AltName: Full=Folate receptor 4; AltName: Full=Folate-binding protei								1 (1 0 0 0 0)			
	3002 - 3003	K.LLSVCMNS*K.R	1147.5	2	2.25	0.22	520.0	1	16/24			#VALUE!
120	CC114_MOUSE RecName: Full=Coiled-coil domain-containing protein 114								1 (1 0 0 0 0)			
	4539 - 4540	R.GRES*T*AGGVHSQS*MGSELSR.G	2288.8	2	2.23	0.12	250.0	3	27/95	2.17		0.00
121	NOTC3_MOUSE RecName: Full=Neurogenic locus notch homolog protein 3; Short=Notch 3; Contains: RecName: Full=Notch 3 extracellular truncation;								1 (1 0 0 0 0)			
	3869 - 3870	R.Y*GGKCLDLVDK.Y	1347.6	2	2.22	0.09	227.9	10	16/30			#VALUE!
122	K1B16_MOUSE RecName: Full=Kallikrein 1-related peptidase b16; AltName: Full=Gamma-renin, submandibular gland; Short=mGK-16; Flags: Precurso								1 (1 0 0 0 0)			
	5644 - 5645	K.LDS*TCLVS*GWGS*ITPTK.W	2061.8	2	2.22	0.09	155.0	8	21/80			#VALUE!
123	IDHC_MOUSE RecName: Full=Isocitrate dehydrogenase [NADP] cytoplasmic; Short=IDH; AltName: Full=Cytosolic NADP-isocitrate dehydrogenase; A								1 (1 0 0 0 0)			
	2059 - 2060	K.TVEAEAAHGTVTR.H	1341.7	2	2.19	0.19	303.4	6	11/24			#VALUE!
124	THIL_MOUSE RecName: Full=Acetyl-CoA acetyltransferase, mitochondrial; AltName: Full=Acetoacetyl-CoA thiolase; Flags: Precursor								1 (1 0 0 0 0)			
	1987 - 1988	R.QEQDTYALSSYTR.S	1561.7	2	2.13	0.09	190.7	3	12/24			#VALUE!
125	TBX10_MOUSE RecName: Full=T-box transcription factor TBX10; Short=T-box protein 10; AltName: Full=T-box protein 13; AltName: Full=MmTBX7								1 (1 0 0 0 0)			
	4409 - 4410	R.EADPDS*WPVTPRPLLSIPAR.S	2297.1	2	2.07	0.15	208.7	5	16/57			#VALUE!
126	PRAF1_MOUSE RecName: Full=Prenylated Rab acceptor protein 1; AltName: Full=PRA1 family protein 1; AltName: Full=Prenylin								1 (1 0 0 0 0)			
	2407 - 2408	K.DAEGEGLS*AT*T*LLPK.L	1741.7	2	2.01	0.09	225.9	1	23/70			#VALUE!