MASCOT Search Results

Protein View: Q02880

DNA topoisomerase 2-beta OS=Homo sapiens OX=9606 GN=TOP2B PE=1 SV=3

Database:	Uniprot_Proteome_Human
Score:	19255
Monoisotopic mass (M_r):	184122
Calculated pI:	8.14

Sequence similarity is available as **an NCBI BLAST search of Q02880 against nr**.

Search parameters

MS data file:	`File Name: Z:\SN22\SN221364_deTOP2B_Erk2_1ul.raw;File Path: ;File Time: 3/1/2023 12:45:59 PM;File Size: 347857146 [Byte]`
Enzyme:	Trypsin: cuts C-term side of KR unless next residue is P.
Fixed modifications:	**Carbamidomethyl (C)**
Variable modifications:	**Acetyl (Protein N-term)**, **Oxidation (M)**, **Phospho (ST)**, **Phospho (Y)**

Protein sequence coverage: 62%

Matched peptides shown in ***bold red***.

1 MAKSGGCGAG AGVGGGNGAL TWVTLFDQNN AAK**KEESETA** **NKNDSSKK**LS
51 VERVYQKKTQ LEHILLRPDT YIGSVEPLTQ FMWVYDEDVG MNCR**EVTFVP**
101 **GLYKIFDEIL** **VNAADNK**QR**D** **KNMTCIKVSI** **DPESNIISIW** **NNGK**GIPVVE
151 HKVEK**VYVPA** **LIFGQLLTSS** **NYDDDEKK**VT GGRNGYGAK**L** **CNIFSTK**FTV
201 ETACKEYKHS FK**QTWMNNMM** **K**TSEAKIK**HF** **DGEDYTCITF** **QPDLSK**FKME
251 K**LDKDIVALM** **TR**RAYDLAGS **CR**GVKVMFNG KKLPVNGFR**S** **YVDLYVKDKL**
301 **DETGVALKVI** **HELANERWDV** **CLTLSEKGFQ** **QISFVNSIAT** **TK**GGR**HVDYV**
351 **VDQVVGKLIE** **VVKK**KNK**AGV** **SVKPFQVKNH** **IWVFINCLIE** **NPTFDSQTK**E
401 NMTLQPKSFG SKCQLSEKFF KAASNCGIVE SILNWVKFK**A** **QTQLNKK**CSS
451 VKYSKIKGIP K**LDDANDAGG** **KHSLECTLIL** **TEGDSAKSLA** **VSGLGVIGRD**
501 **RYGVFPLR**GK ILNVREASHK **QIMENAEINN** **IIKIVGLQYK** **KSYDDAESLK**
551 TLRYGK**IMIM** **TDQDQDGSHI** **KGLLINFIHH** **NWPSLLKHGF** **LEEFITPIVK**
601 ASK**NKQELSF** **YSIPEFDEWK** **K**HIENQKAWK IKYYKGLGTS TAKEAK**EYFA**
651 **DMER**HRILFR **YAGPEDDAAI** **TLAFSK**KKID DR**KEWLTNFM** **EDRR**QR**RLHG**
701 **LPEQFLYGTA** **TKHLTYNDFI** **NKELILFSNS** **DNERSIPSLV** **DGFKPGQR**KV
751 LFTCFKRNDK REVKVAQLAG SVAEMSAYHH GEQALMMTIV NLAQNFVGSN
801 NINLLQPIGQ FGTRLHGGKD AASPR**YIFTM** **LSTLARLLFP** **AVDDNLLKFL**
851 **YDDNQR**VEPE WYIPIIPMVL INGAEGIGTG WACK**LPNYDA** **R**EIVNNVRR**M**
901 **LDGLDPHPML** **PNYK**NFK**GTI** **QELGQNQYAV** **SGEIFVVDRN** **TVEITELPVR**
951 TWTQVYK**EQV** **LEPMLNGTDK** **TPALISDYKE** **YHTDTTVK**FV VKMTEEK**LAQ**
1001 **AEAAGLHK**VF KLQTTLTCNS MVLFDHMGCL K**KYETVQDIL** **K**EFFDLRLSY
1051 YGLR**KEWLVG** **MLGAESTK**LN NQAR**FILEKI** **QGK**ITIENRS K**KDLIQMLVQ**
1101 **RGYESDPVK**A WKEAQEKAAE EDETQNQHDD SSSDSGTPSG PDFNYILNMS
1151 LWSLTK**EKVE** **ELIK**QRDAK**G** **REVNDLKRKS** **PSDLWKEDLA** **AFVEELDKVE**
1201 **SQEREDVLAG** **MSGK**AIKGKV GKPKVK**KLQL** **EETMPSPYGR** **RIIPEITAMK**
1251 ADASKKLLKK **KKGDLDTAAV** **KVEFDEEFSG** **APVEGAGEEA** **LTPSVPINK**G
1301 PKPKREKKEP GTRVR**KTPTS** **SGKPSAK**KVK K**RNPWSDDES** **KSESDLEETE**
1351 **PVVIPR**DSLL RR**AAAERPKY** **TFDFSEEEDD** **DADDDDDDNN** **DLEELKVKAS**
1401 **PITNDGEDEF** **VPSDGLDKDE** **YTFSPGK**SKA TPEKSLHDK**K** **SQDFGNLFSF**
1451 **PSYSQKSEDD** **SAKFDSNEED** **SASVFSPSFG** **LK**QTDKVPSK TVAAK**KGKPS**
1501 **SDTVPKPK**RA PKQK**KVVEAV** **NSDSDSEFGI** **PK**KTTTPKGK GRGAKK**RKAS**
1551 **GSENEGDYNP** **GRK**TSKTTSK KPK**KTSFDQD** **SDVDIFPSDF** **PTEPPSLPR**T
1601 GRARKEVK**YF** **AESDEEEDDV** **DFAMFN**

Unformatted sequence string: **1626 residues** (for pasting into other applications).

Sort by ● residue number ○ increasing mass ○ decreasing mass
Show ● matched peptides only ○ predicted peptides also

Query	Start – End	Observed	Mr(expt)	Mr(calc)	ppm	M	Score	Expect	Rank	U	Peptide
1755	34 – 42	518.2515	1034.4884	1034.4880	0.46	1	37	0.012	1	U	K.KEESETANK.N
6141	34 – 47	522.9126	1565.7159	1565.7169	-0.62	2	24	0.02	1	U	K.KEESETANKNDSSK.K
6142	34 – 47	783.8665	1565.7184	1565.7169	0.96	2	55	4.1e-05	1	U	K.KEESETANKNDSSK.K
6143	34 – 47	783.8665	1565.7184	1565.7169	0.96	2	54	2.6e-05	1	U	K.KEESETANKNDSSK.K
7142	34 – 48	565.6111	1693.8114	1693.8118	-0.27	3	25	0.017	1	U	K.KEESETANKNDSSKK.L
7143	34 – 48	565.6115	1693.8127	1693.8118	0.51	3	34	0.0022	1	U	K.KEESETANKNDSSKK.L
2777	95 – 104	576.8185	1151.6225	1151.6227	-0.15	0	14	0.045	1		R.EVTFVPGLYK.I
2779	95 – 104	576.8187	1151.6228	1151.6227	0.11	0	18	0.026	1		R.EVTFVPGLYK.I
2780	95 – 104	576.8188	1151.6230	1151.6227	0.30	0	19	0.026	1		R.EVTFVPGLYK.I
2781	95 – 104	576.8188	1151.6230	1151.6227	0.32	0	21	0.018	1		R.EVTFVPGLYK.I
5070	105 – 117	487.9233	1460.7482	1460.7511	-2.00	0	30	0.005	1		K.IFDEILVNAADNK.Q
5071	105 – 117	731.3821	1460.7496	1460.7511	-0.98	0	50	0.00025	1		K.IFDEILVNAADNK.Q
5072	105 – 117	487.9240	1460.7502	1460.7511	-0.62	0	46	0.00075	1		K.IFDEILVNAADNK.Q
5073	105 – 117	731.3824	1460.7502	1460.7511	-0.61	0	51	0.00011	1		K.IFDEILVNAADNK.Q
5075	105 – 117	731.3824	1460.7503	1460.7511	-0.56	0	68	3.1e-06	1		K.IFDEILVNAADNK.Q

Query	Start - End	Observed	Mr(expt)	Mr(calc)	ppm	M	Score	Expect	Rank	U	Peptide
5076	105 - 117	731.3825	1460.7505	1460.7511	-0.41	0	70	2.6e-06	1		K.IFDEILVNAADNK.Q
5079	105 - 117	731.3826	1460.7507	1460.7511	-0.28	0	71	1.6e-06	1		K.IFDEILVNAADNK.Q
5080	105 - 117	731.3826	1460.7507	1460.7511	-0.24	0	53	0.00011	1		K.IFDEILVNAADNK.Q
5081	105 - 117	487.9242	1460.7507	1460.7511	-0.23	0	33	0.0088	1		K.IFDEILVNAADNK.Q
5082	105 - 117	487.9242	1460.7507	1460.7511	-0.23	0	37	0.006	1		K.IFDEILVNAADNK.Q
5083	105 - 117	487.9242	1460.7507	1460.7511	-0.23	0	44	0.001	1		K.IFDEILVNAADNK.Q
5084	105 - 117	731.3826	1460.7507	1460.7511	-0.23	0	39	0.001	1		K.IFDEILVNAADNK.Q
5085	105 - 117	487.9242	1460.7508	1460.7511	-0.19	0	37	0.0023	1		K.IFDEILVNAADNK.Q
5086	105 - 117	731.3827	1460.7509	1460.7511	-0.13	0	75	2.4e-06	1		K.IFDEILVNAADNK.Q
5087	105 - 117	487.9243	1460.7510	1460.7511	-0.090	0	25	0.043	1		K.IFDEILVNAADNK.Q
5088	105 - 117	487.9243	1460.7510	1460.7511	-0.028	0	31	0.021	1		K.IFDEILVNAADNK.Q
5090	105 - 117	731.3828	1460.7511	1460.7511	0.031	0	37	0.003	1		K.IFDEILVNAADNK.Q
5091	105 - 117	487.9243	1460.7512	1460.7511	0.075	0	34	0.0074	1		K.IFDEILVNAADNK.Q
5093	105 - 117	731.3829	1460.7513	1460.7511	0.14	0	88	9.5e-08	1		K.IFDEILVNAADNK.Q
5094	105 - 117	487.9244	1460.7513	1460.7511	0.16	0	48	0.00076	1		K.IFDEILVNAADNK.Q
5095	105 - 117	731.3829	1460.7513	1460.7511	0.17	0	73	7.1e-07	1		K.IFDEILVNAADNK.Q
5096	105 - 117	731.3830	1460.7514	1460.7511	0.24	0	83	7.4e-08	1		K.IFDEILVNAADNK.Q
5097	105 - 117	487.9244	1460.7514	1460.7511	0.24	0	31	0.011	1		K.IFDEILVNAADNK.Q
5098	105 - 117	731.3830	1460.7514	1460.7511	0.25	0	70	3.1e-06	1		K.IFDEILVNAADNK.Q
5101	105 - 117	487.9245	1460.7516	1460.7511	0.34	0	29	0.011	1		K.IFDEILVNAADNK.Q
5102	105 - 117	731.3831	1460.7516	1460.7511	0.37	0	70	3.4e-06	1		K.IFDEILVNAADNK.Q
5104	105 - 117	731.3832	1460.7519	1460.7511	0.56	0	30	0.0032	1		K.IFDEILVNAADNK.Q
5105	105 - 117	731.3832	1460.7519	1460.7511	0.58	0	29	0.016	1		K.IFDEILVNAADNK.Q
5106	105 - 117	731.3832	1460.7519	1460.7511	0.59	0	55	6.4e-05	1		K.IFDEILVNAADNK.Q
5107	105 - 117	731.3833	1460.7520	1460.7511	0.61	0	65	3.9e-06	1		K.IFDEILVNAADNK.Q
5108	105 - 117	731.3834	1460.7523	1460.7511	0.82	0	74	2e-06	1		K.IFDEILVNAADNK.Q
5109	105 - 117	731.3834	1460.7523	1460.7511	0.82	0	78	3.1e-07	1		K.IFDEILVNAADNK.Q
5110	105 - 117	731.3834	1460.7523	1460.7511	0.84	0	71	2.8e-06	1		K.IFDEILVNAADNK.Q
5111	105 - 117	487.9248	1460.7527	1460.7511	1.12	0	47	0.002	1		K.IFDEILVNAADNK.Q
5112	105 - 117	487.9249	1460.7528	1460.7511	1.20	0	24	0.025	1		K.IFDEILVNAADNK.Q
5113	105 - 117	731.3838	1460.7530	1460.7511	1.29	0	27	0.044	1		K.IFDEILVNAADNK.Q
1679	120 - 127	513.2409	1024.4672	1024.4681	-0.87	1	31	0.037	1	U	R.DKNMTCIK.V + Oxidation (M)
8513	128 - 144	943.4860	1884.9575	1884.9581	-0.31	0	59	1.2e-05	1	U	K.VSIDPESNIISIWNNGK.G
8514	128 - 144	629.3269	1884.9589	1884.9581	0.43	0	48	0.00011	1	U	K.VSIDPESNIISIWNNGK.G
10580	156 - 177	829.7476	2486.2209	2486.2217	-0.31	0	34	0.015	1	U	K.VYVPALIFGQLLTSSNYDDDEK.K
10583	156 - 177	829.7479	2486.2218	2486.2217	0.029	0	38	0.0016	1	U	K.VYVPALIFGQLLTSSNYDDDEK.K
10584	156 - 177	1244.1185	2486.2225	2486.2217	0.33	0	52	9.6e-05	1	U	K.VYVPALIFGQLLTSSNYDDDEK.K
10585	156 - 177	829.7482	2486.2227	2486.2217	0.39	0	60	3.4e-05	1	U	K.VYVPALIFGQLLTSSNYDDDEK.K
10586	156 - 177	1244.1190	2486.2235	2486.2217	0.72	0	58	8.9e-06	1	U	K.VYVPALIFGQLLTSSNYDDDEK.K
10587	156 - 177	1244.1190	2486.2235	2486.2217	0.73	0	87	5.4e-08	1	U	K.VYVPALIFGQLLTSSNYDDDEK.K
10588	156 - 177	1244.1192	2486.2238	2486.2217	0.86	0	86	2.8e-08	1	U	K.VYVPALIFGQLLTSSNYDDDEK.K
10589	156 - 177	1244.1195	2486.2245	2486.2217	1.14	0	70	5.9e-07	1	U	K.VYVPALIFGQLLTSSNYDDDEK.K
10591	156 - 177	1244.1240	2486.2335	2486.2217	4.74	0	80	8.6e-08	1	U	K.VYVPALIFGQLLTSSNYDDDEK.K
10839	156 - 178	872.4444	2614.3114	2614.3166	-1.99	1	43	0.0027	1	U	K.VYVPALIFGQLLTSSNYDDDEKK.V
10844	156 - 178	654.5864	2614.3165	2614.3166	-0.038	1	38	0.0046	1	U	K.VYVPALIFGQLLTSSNYDDDEKK.V
10846	156 - 178	872.4462	2614.3167	2614.3166	0.029	1	65	2.5e-05	1	U	K.VYVPALIFGQLLTSSNYDDDEKK.V
10847	156 - 178	872.4462	2614.3169	2614.3166	0.11	1	42	0.0027	1	U	K.VYVPALIFGQLLTSSNYDDDEKK.V
10849	156 - 178	872.4464	2614.3173	2614.3166	0.27	1	39	0.014	1	U	K.VYVPALIFGQLLTSSNYDDDEKK.V
10850	156 - 178	1308.1660	2614.3174	2614.3166	0.30	1	66	2.7e-05	1	U	K.VYVPALIFGQLLTSSNYDDDEKK.V
10853	156 - 178	654.5868	2614.3180	2614.3166	0.51	1	42	0.0074	1	U	K.VYVPALIFGQLLTSSNYDDDEKK.V
10855	156 - 178	654.5868	2614.3181	2614.3166	0.57	1	37	0.0029	1	U	K.VYVPALIFGQLLTSSNYDDDEKK.V
10856	156 - 178	872.4467	2614.3182	2614.3166	0.60	1	33	0.028	1	U	K.VYVPALIFGQLLTSSNYDDDEKK.V
1361	190 - 197	491.7550	981.4954	981.4953	0.043	0	46	0.00039	1		K.LCNIFSTK.F
3007	213 - 221	592.2567	1182.4988	1182.4984	0.33	0	26	0.028	1	U	K.QTWMNNMMK.T
3100	213 - 221	600.2539	1198.4932	1198.4933	-0.094	0	29	0.027	1	U	K.QTWMNNMMK.T + Oxidation (M)
3101	213 - 221	600.2541	1198.4936	1198.4933	0.26	0	26	0.016	1	U	K.QTWMNNMMK.T + Oxidation (M)
3102	213 - 221	600.2543	1198.4941	1198.4933	0.67	0	34	0.0022	1	U	K.QTWMNNMMK.T + Oxidation (M)
3199	213 - 221	608.2511	1214.4877	1214.4882	-0.44	0	15	0.048	1	U	K.QTWMNNMMK.T + 2 Oxidation (M)
3203	213 - 221	608.2515	1214.4884	1214.4882	0.15	0	19	0.048	1	U	K.QTWMNNMMK.T + 2 Oxidation (M)
3204	213 - 221	608.2515	1214.4885	1214.4882	0.25	0	25	0.043	1	U	K.QTWMNNMMK.T + 2 Oxidation (M)
9693	229 - 246	724.9894	2171.9465	2171.9470	-0.22	0	28	0.014	1	U	K.HFDGEDYTCITFQPDLSK.F
3692	252 - 262	637.8598	1273.7051	1273.7064	-1.04	1	38	0.0012	1	U	K.LDKDIVALMTR.R
3693	252 - 262	637.8601	1273.7057	1273.7064	-0.55	1	29	0.003	1	U	K.LDKDIVALMTR.R
3694	252 - 262	637.8601	1273.7057	1273.7064	-0.54	1	34	0.01	1	U	K.LDKDIVALMTR.R
3699	252 - 262	637.8605	1273.7064	1273.7064	-0.0016	1	35	0.012	1	U	K.LDKDIVALMTR.R
3700	252 - 262	637.8605	1273.7064	1273.7064	-0.0016	1	75	1.3e-06	1	U	K.LDKDIVALMTR.R
3701	252 - 262	425.5761	1273.7064	1273.7064	0.041	1	32	0.016	1	U	K.LDKDIVALMTR.R
3702	252 - 262	637.8605	1273.7064	1273.7064	0.046	1	32	0.013	1	U	K.LDKDIVALMTR.R
3705	252 - 262	637.8606	1273.7066	1273.7064	0.19	1	34	0.0057	1	U	K.LDKDIVALMTR.R
3706	252 - 262	637.8607	1273.7069	1273.7064	0.39	1	49	0.00013	1	U	K.LDKDIVALMTR.R
3707	252 - 262	637.8608	1273.7070	1273.7064	0.47	1	31	0.0054	1	U	K.LDKDIVALMTR.R
3708	252 - 262	637.8608	1273.7071	1273.7064	0.56	1	45	0.0003	1	U	K.LDKDIVALMTR.R
3821	252 - 262	645.8569	1289.6993	1289.7013	-1.54	1	46	0.00015	1	U	K.LDKDIVALMTR.R + Oxidation (M)
3824	252 - 262	645.8577	1289.7008	1289.7013	-0.42	1	33	0.0055	1	U	K.LDKDIVALMTR.R + Oxidation (M)
3825	252 - 262	645.8577	1289.7008	1289.7013	-0.39	1	32	0.002	1	U	K.LDKDIVALMTR.R + Oxidation (M)
3826	252 - 262	430.9076	1289.7009	1289.7013	-0.35	1	32	0.0071	1	U	K.LDKDIVALMTR.R + Oxidation (M)
3828	252 - 262	430.9076	1289.7009	1289.7013	-0.33	1	32	0.036	1	U	K.LDKDIVALMTR.R + Oxidation (M)
3829	252 - 262	645.8577	1289.7009	1289.7013	-0.33	1	39	0.0011	1	U	K.LDKDIVALMTR.R

Query	Start - End	Observed	Mr(expt)	Mr(calc)	ppm	M	Score	Expect	Rank	U	Peptide
											+ Oxidation (M)
3830	252 - 262	645.8577	1289.7009	1289.7013	-0.30	1	64	5.3e-06	1	U	K.LDKDIVALMTR.R + Oxidation (M)
3831	252 - 262	430.9076	1289.7011	1289.7013	-0.14	1	25	0.048	1	U	K.LDKDIVALMTR.R + Oxidation (M)
3833	252 - 262	430.9077	1289.7013	1289.7013	-0.029	1	23	0.019	1	U	K.LDKDIVALMTR.R + Oxidation (M)
3834	252 - 262	645.8581	1289.7016	1289.7013	0.25	1	62	1e-05	1	U	K.LDKDIVALMTR.R + Oxidation (M)
3835	252 - 262	430.9078	1289.7016	1289.7013	0.25	1	31	0.024	1	U	K.LDKDIVALMTR.R + Oxidation (M)
3836	252 - 262	645.8582	1289.7018	1289.7013	0.40	1	55	2.3e-05	1	U	K.LDKDIVALMTR.R + Oxidation (M)
938	255 - 262	459.7580	917.5015	917.5004	1.20	0	49	0.0002	1	U	K.DIVALMTR.R
1057	255 - 262	467.7551	933.4956	933.4953	0.28	0	38	0.0092	1	U	K.DIVALMTR.R + Oxidation (M)
1060	255 - 262	467.7553	933.4960	933.4953	0.75	0	37	0.012	1	U	K.DIVALMTR.R + Oxidation (M)
1581	264 - 272	506.7295	1011.4444	1011.4444	0.022	0	37	0.0009	1	U	R.AYDLAGSCR.G
1390	290 - 297	493.7635	985.5124	985.5120	0.35	0	23	0.043	1	U	R.SYVDLYVK.D
1391	290 - 297	493.7635	985.5125	985.5120	0.50	0	32	0.011	1	U	R.SYVDLYVK.D
1392	290 - 297	493.7638	985.5131	985.5120	1.06	0	41	0.00085	1	U	R.SYVDLYVK.D
3039	298 - 308	594.8269	1187.6393	1187.6398	-0.36	1	31	0.0075	1	U	K.DKLDETGVALK.V
3040	298 - 308	396.8871	1187.6394	1187.6398	-0.34	1	26	0.023	1	U	K.DKLDETGVALK.V
3041	298 - 308	396.8871	1187.6394	1187.6398	-0.31	1	27	0.038	1	U	K.DKLDETGVALK.V
3042	298 - 308	594.8270	1187.6394	1187.6398	-0.29	1	53	0.00016	1	U	K.DKLDETGVALK.V
3043	298 - 308	594.8270	1187.6395	1187.6398	-0.24	1	30	0.0099	1	U	K.DKLDETGVALK.V
1116	300 - 308	473.2668	944.5191	944.5179	1.31	0	56	0.00015	1	U	K.LDETGVALK.V
2123	309 - 317	540.7924	1079.5702	1079.5723	-1.98	0	31	0.015	1	U	K.VIHELANER.W
2124	309 - 317	540.7931	1079.5716	1079.5723	-0.67	0	19	0.024	1	U	K.VIHELANER.W
2125	309 - 317	540.7932	1079.5719	1079.5723	-0.43	0	26	0.0037	1	U	K.VIHELANER.W
2126	309 - 317	360.8646	1079.5720	1079.5723	-0.30	0	25	0.018	1	U	K.VIHELANER.W
2128	309 - 317	540.7933	1079.5721	1079.5723	-0.18	0	32	0.0019	1	U	K.VIHELANER.W
2131	309 - 317	540.7934	1079.5723	1079.5723	0.019	0	48	0.00064	1	U	K.VIHELANER.W
2132	309 - 317	540.7935	1079.5724	1079.5723	0.075	0	42	0.0022	1	U	K.VIHELANER.W
2133	309 - 317	540.7935	1079.5724	1079.5723	0.075	0	31	0.012	1	U	K.VIHELANER.W
2134	309 - 317	360.8648	1079.5725	1079.5723	0.14	0	30	0.02	1	U	K.VIHELANER.W
2135	309 - 317	360.8648	1079.5725	1079.5723	0.14	0	15	0.05	1	U	K.VIHELANER.W
2136	309 - 317	360.8648	1079.5726	1079.5723	0.28	0	29	0.0092	1	U	K.VIHELANER.W
2137	309 - 317	540.7936	1079.5727	1079.5723	0.32	0	46	0.00059	1	U	K.VIHELANER.W
2139	309 - 317	360.8649	1079.5728	1079.5723	0.39	0	44	0.0018	1	U	K.VIHELANER.W
2140	309 - 317	360.8650	1079.5731	1079.5723	0.67	0	25	0.042	1	U	K.VIHELANER.W
3468	318 - 327	625.8082	1249.6019	1249.6013	0.51	0	57	2.4e-05	1	U	R.WDVCLTLSEK.G
6635	328 - 342	547.6251	1639.8535	1639.8570	-2.10	0	26	0.0058	1	U	K.GFQQISFVNSIATTK.G
6636	328 - 342	820.9348	1639.8551	1639.8570	-1.13	0	37	0.0024	1	U	K.GFQQISFVNSIATTK.G
6637	328 - 342	820.9350	1639.8554	1639.8570	-0.96	0	60	4.3e-06	1	U	K.GFQQISFVNSIATTK.G
6638	328 - 342	820.9351	1639.8557	1639.8570	-0.76	0	49	3.1e-05	1	U	K.GFQQISFVNSIATTK.G
6639	328 - 342	820.9352	1639.8558	1639.8570	-0.73	0	60	1.7e-05	1	U	K.GFQQISFVNSIATTK.G
6640	328 - 342	820.9352	1639.8559	1639.8570	-0.65	0	49	0.00098	1	U	K.GFQQISFVNSIATTK.G
6641	328 - 342	820.9353	1639.8561	1639.8570	-0.56	0	30	0.0084	1	U	K.GFQQISFVNSIATTK.G
6642	328 - 342	820.9354	1639.8562	1639.8570	-0.48	0	72	5.4e-06	1	U	K.GFQQISFVNSIATTK.G
6643	328 - 342	820.9355	1639.8565	1639.8570	-0.31	0	39	0.00044	1	U	K.GFQQISFVNSIATTK.G
6644	328 - 342	820.9355	1639.8565	1639.8570	-0.29	0	46	5e-05	1	U	K.GFQQISFVNSIATTK.G
6645	328 - 342	547.6261	1639.8565	1639.8570	-0.27	0	38	0.00028	1	U	K.GFQQISFVNSIATTK.G
6646	328 - 342	820.9356	1639.8566	1639.8570	-0.25	0	52	0.00045	1	U	K.GFQQISFVNSIATTK.G
6647	328 - 342	820.9356	1639.8566	1639.8570	-0.23	0	51	0.0003	1	U	K.GFQQISFVNSIATTK.G
6648	328 - 342	820.9356	1639.8566	1639.8570	-0.20	0	57	0.00013	1	U	K.GFQQISFVNSIATTK.G
6649	328 - 342	820.9356	1639.8567	1639.8570	-0.19	0	32	0.0018	1	U	K.GFQQISFVNSIATTK.G
6650	328 - 342	820.9356	1639.8567	1639.8570	-0.17	0	68	1.3e-05	1	U	K.GFQQISFVNSIATTK.G
6652	328 - 342	820.9357	1639.8568	1639.8570	-0.12	0	39	0.0065	1	U	K.GFQQISFVNSIATTK.G
6653	328 - 342	820.9357	1639.8569	1639.8570	-0.068	0	38	0.00066	1	U	K.GFQQISFVNSIATTK.G
6654	328 - 342	547.6263	1639.8570	1639.8570	-0.016	0	53	2.5e-05	1	U	K.GFQQISFVNSIATTK.G
6655	328 - 342	820.9358	1639.8571	1639.8570	0.079	0	47	0.00024	1	U	K.GFQQISFVNSIATTK.G
6656	328 - 342	820.9358	1639.8571	1639.8570	0.091	0	50	4.9e-05	1	U	K.GFQQISFVNSIATTK.G
6657	328 - 342	547.6263	1639.8572	1639.8570	0.13	0	41	0.00057	1	U	K.GFQQISFVNSIATTK.G
6658	328 - 342	820.9359	1639.8572	1639.8570	0.15	0	67	2.9e-06	1	U	K.GFQQISFVNSIATTK.G
6659	328 - 342	820.9359	1639.8572	1639.8570	0.16	0	75	2.3e-06	1	U	K.GFQQISFVNSIATTK.G
6660	328 - 342	547.6264	1639.8573	1639.8570	0.18	0	53	6.3e-05	1	U	K.GFQQISFVNSIATTK.G
6661	328 - 342	547.6264	1639.8573	1639.8570	0.18	0	50	0.00013	1	U	K.GFQQISFVNSIATTK.G
6662	328 - 342	820.9359	1639.8573	1639.8570	0.19	0	69	4.6e-06	1	U	K.GFQQISFVNSIATTK.G
6663	328 - 342	820.9359	1639.8573	1639.8570	0.20	0	42	0.0048	1	U	K.GFQQISFVNSIATTK.G
6665	328 - 342	547.6264	1639.8575	1639.8570	0.33	0	39	0.00085	1	U	K.GFQQISFVNSIATTK.G
6666	328 - 342	547.6265	1639.8576	1639.8570	0.37	0	52	4.6e-05	1	U	K.GFQQISFVNSIATTK.G
6667	328 - 342	820.9361	1639.8577	1639.8570	0.42	0	96	1.7e-08	1	U	K.GFQQISFVNSIATTK.G
6668	328 - 342	820.9361	1639.8577	1639.8570	0.44	0	53	8.5e-05	1	U	K.GFQQISFVNSIATTK.G
6669	328 - 342	820.9362	1639.8578	1639.8570	0.53	0	79	1e-06	1	U	K.GFQQISFVNSIATTK.G
6670	328 - 342	547.6266	1639.8579	1639.8570	0.55	0	63	5.7e-06	1	U	K.GFQQISFVNSIATTK.G
6671	328 - 342	820.9363	1639.8580	1639.8570	0.63	0	64	2.9e-05	1	U	K.GFQQISFVNSIATTK.G
6672	328 - 342	547.6266	1639.8581	1639.8570	0.68	0	44	0.00012	1	U	K.GFQQISFVNSIATTK.G
6673	328 - 342	820.9363	1639.8581	1639.8570	0.70	0	36	0.003	1	U	K.GFQQISFVNSIATTK.G
6674	328 - 342	820.9364	1639.8582	1639.8570	0.73	0	58	2e-05	1	U	K.GFQQISFVNSIATTK.G
6675	328 - 342	820.9364	1639.8583	1639.8570	0.79	0	75	2.7e-06	1	U	K.GFQQISFVNSIATTK.G
6676	328 - 342	820.9367	1639.8588	1639.8570	1.10	0	42	0.00089	1	U	K.GFQQISFVNSIATTK.G
6677	328 - 342	547.6269	1639.8589	1639.8570	1.17	0	25	0.0045	1	U	K.GFQQISFVNSIATTK.G
6678	328 - 342	820.9369	1639.8592	1639.8570	1.33	0	46	0.00034	1	U	K.GFQQISFVNSIATTK.G
6680	328 - 342	820.9376	1639.8607	1639.8570	2.25	0	52	7.6e-05	1	U	K.GFQQISFVNSIATTK.G
4300	346 - 357	679.3586	1356.7027	1356.7038	-0.79	0	81	1.3e-07	1	U	R.HVDYVVDQVVGK.L
4302	346 - 357	679.3588	1356.7031	1356.7038	-0.48	0	59	5.4e-06	1	U	R.HVDYVVDQVVGK.L
4303	346 - 357	679.3589	1356.7033	1356.7038	-0.34	0	83	4.3e-08	1	U	R.HVDYVVDQVVGK.L
4304	346 - 357	679.3591	1356.7036	1356.7038	-0.15	0	77	1.2e-07	1	U	R.HVDYVVDQVVGK.L

Query	Start - End	Observed	Mr(expt)	Mr(calc)	ppm	M	Score	Expect	Rank	U	Peptide
4305	346 - 357	679.3591	1356.7036	1356.7038	-0.12	0	50	4.3e-05	1	U	R.HVDYVVDQVVGK.L
4306	346 - 357	453.2418	1356.7037	1356.7038	-0.055	0	40	0.007	1	U	R.HVDYVVDQVVGK.L
4307	346 - 357	679.3592	1356.7038	1356.7038	-0.021	0	35	0.0011	1	U	R.HVDYVVDQVVGK.L
4308	346 - 357	679.3592	1356.7038	1356.7038	0.038	0	56	2.6e-05	1	U	R.HVDYVVDQVVGK.L
4309	346 - 357	679.3593	1356.7041	1356.7038	0.24	0	79	8.8e-08	1	U	R.HVDYVVDQVVGK.L
4310	346 - 357	679.3594	1356.7042	1356.7038	0.27	0	70	3.7e-07	1	U	R.HVDYVVDQVVGK.L
4312	346 - 357	679.3594	1356.7042	1356.7038	0.33	0	48	3.5e-05	1	U	R.HVDYVVDQVVGK.L
4313	346 - 357	679.3595	1356.7044	1356.7038	0.48	0	36	0.0018	1	U	R.HVDYVVDQVVGK.L
4314	346 - 357	679.3596	1356.7045	1356.7038	0.55	0	36	0.0016	1	U	R.HVDYVVDQVVGK.L
4316	346 - 357	679.3596	1356.7047	1356.7038	0.67	0	50	6.4e-05	1	U	R.HVDYVVDQVVGK.L
4317	346 - 357	679.3596	1356.7047	1356.7038	0.70	0	42	0.00031	1	U	R.HVDYVVDQVVGK.L
4319	346 - 357	679.3599	1356.7052	1356.7038	1.01	0	60	4e-06	1	U	R.HVDYVVDQVVGK.L
483	358 - 364	414.7814	827.5482	827.5480	0.23	1	28	0.011	1	U	K.LIEVVKK.K
2834	368 - 378	387.2324	1158.6754	1158.6761	-0.63	0	27	0.046	1	U	K.AGVSVKPFQVK.N
2835	368 - 378	387.2326	1158.6759	1158.6761	-0.19	0	48	0.00043	1	U	K.AGVSVKPFQVK.N
2836	368 - 378	580.3453	1158.6760	1158.6761	-0.064	0	44	0.00093	1	U	K.AGVSVKPFQVK.N
2838	368 - 378	387.2326	1158.6761	1158.6761	0.017	0	47	0.00055	1	U	K.AGVSVKPFQVK.N
2839	368 - 378	580.3454	1158.6762	1158.6761	0.13	0	33	0.0047	1	U	K.AGVSVKPFQVK.N
2845	368 - 378	580.3457	1158.6769	1158.6761	0.68	0	61	1.8e-05	1	U	K.AGVSVKPFQVK.N
2846	368 - 378	580.3457	1158.6769	1158.6761	0.71	0	61	2e-05	1	U	K.AGVSVKPFQVK.N
10766	379 - 399	859.4257	2575.2554	2575.2529	0.95	0	51	0.0012	1	U	K.NHIWVFINCLIENPTFDSQTK.E
384	440 - 446	401.7244	801.4342	801.4344	-0.32	0	42	0.0027	1	U	K.AQTQLNK.K
1025	440 - 447	465.7720	929.5294	929.5294	-0.017	1	43	0.0014	1	U	K.AQTQLNKK.C
1308	462 - 471	488.2217	974.4289	974.4305	-1.63	0	19	0.023	1	U	K.LDDANDAGGK.H
1310	462 - 471	488.2224	974.4303	974.4305	-0.23	0	56	0.00011	1	U	K.LDDANDAGGK.H
1311	462 - 471	488.2224	974.4303	974.4305	-0.21	0	28	0.0066	1	U	K.LDDANDAGGK.H
1312	462 - 471	488.2225	974.4304	974.4305	-0.090	0	55	0.00011	1	U	K.LDDANDAGGK.H
1313	462 - 471	488.2227	974.4308	974.4305	0.28	0	65	1.7e-05	1	U	K.LDDANDAGGK.H
7731	472 - 487	591.9611	1772.8614	1772.8614	-0.038	0	34	0.0041	1	U	K.HSLECTLILTEGDSAK.S
7732	472 - 487	887.4381	1772.8616	1772.8614	0.078	0	93	6.3e-09	1	U	K.HSLECTLILTEGDSAK.S
2524	488 - 499	564.8394	1127.6642	1127.6663	-1.86	0	70	1.3e-06	1	U	K.SLAVSGLGVIGR.D
2525	488 - 499	376.8956	1127.6649	1127.6663	-1.20	0	26	0.026	1	U	K.SLAVSGLGVIGR.D
2527	488 - 499	564.8400	1127.6654	1127.6663	-0.74	0	43	9.7e-05	1	U	K.SLAVSGLGVIGR.D
2528	488 - 499	564.8401	1127.6656	1127.6663	-0.58	0	60	1.1e-05	1	U	K.SLAVSGLGVIGR.D
2529	488 - 499	564.8401	1127.6657	1127.6663	-0.47	0	63	8.2e-06	1	U	K.SLAVSGLGVIGR.D
2530	488 - 499	564.8402	1127.6657	1127.6663	-0.45	0	68	5.6e-06	1	U	K.SLAVSGLGVIGR.D
2531	488 - 499	564.8402	1127.6658	1127.6663	-0.44	0	47	0.00022	1	U	K.SLAVSGLGVIGR.D
2532	488 - 499	564.8402	1127.6659	1127.6663	-0.33	0	40	0.00075	1	U	K.SLAVSGLGVIGR.D
2533	488 - 499	564.8402	1127.6659	1127.6663	-0.31	0	50	0.00016	1	U	K.SLAVSGLGVIGR.D
2534	488 - 499	564.8403	1127.6660	1127.6663	-0.26	0	52	2.6e-05	1	U	K.SLAVSGLGVIGR.D
2535	488 - 499	564.8403	1127.6660	1127.6663	-0.21	0	61	2.2e-06	1	U	K.SLAVSGLGVIGR.D
2537	488 - 499	564.8403	1127.6661	1127.6663	-0.13	0	69	1.9e-06	1	U	K.SLAVSGLGVIGR.D
2538	488 - 499	564.8404	1127.6662	1127.6663	-0.082	0	79	2e-07	1	U	K.SLAVSGLGVIGR.D
2539	488 - 499	564.8404	1127.6662	1127.6663	-0.046	0	63	4.8e-06	1	U	K.SLAVSGLGVIGR.D
2540	488 - 499	564.8404	1127.6662	1127.6663	-0.028	0	43	0.00045	1	U	K.SLAVSGLGVIGR.D
2541	488 - 499	564.8405	1127.6664	1127.6663	0.096	0	39	0.0015	1	U	K.SLAVSGLGVIGR.D
2542	488 - 499	564.8405	1127.6664	1127.6663	0.11	0	60	8.5e-06	1	U	K.SLAVSGLGVIGR.D
2543	488 - 499	564.8405	1127.6664	1127.6663	0.13	0	39	0.0015	1	U	K.SLAVSGLGVIGR.D
2544	488 - 499	564.8406	1127.6666	1127.6663	0.31	0	34	0.0061	1	U	K.SLAVSGLGVIGR.D
2545	488 - 499	564.8406	1127.6666	1127.6663	0.34	0	37	0.00058	1	U	K.SLAVSGLGVIGR.D
2547	488 - 499	564.8408	1127.6671	1127.6663	0.72	0	40	0.00055	1	U	K.SLAVSGLGVIGR.D
2548	488 - 499	564.8416	1127.6686	1127.6663	2.08	0	28	0.0025	1	U	K.SLAVSGLGVIGR.D
2472	500 - 508	561.8064	1121.5981	1121.5982	-0.024	1	28	0.048	1	U	R.DRYGVFPLR.G
603	502 - 508	426.2422	850.4698	850.4701	-0.37	0	24	0.026	1		R.YGVFPLR.G
606	502 - 508	426.2424	850.4703	850.4701	0.24	0	29	0.015	1		R.YGVFPLR.G
607	502 - 508	426.2425	850.4704	850.4701	0.29	0	25	0.016	1		R.YGVFPLR.G
5768	521 - 533	765.4031	1528.7916	1528.7919	-0.16	0	84	3e-07	1		K.QIMENAEINNIIK.I
5769	521 - 533	510.6048	1528.7925	1528.7919	0.44	0	42	0.0052	1		K.QIMENAEINNIIK.I
5940	521 - 533	773.3997	1544.7848	1544.7868	-1.28	0	52	6.8e-05	1		K.QIMENAEINNIIK.I + Oxidation (M)
5941	521 - 533	773.4005	1544.7865	1544.7868	-0.18	0	63	1.4e-05	1		K.QIMENAEINNIIK.I + Oxidation (M)
5942	521 - 533	773.4008	1544.7871	1544.7868	0.23	0	75	2.8e-06	1		K.QIMENAEINNIIK.I + Oxidation (M)
5943	521 - 533	773.4011	1544.7876	1544.7868	0.52	0	66	6e-06	1		K.QIMENAEINNIIK.I + Oxidation (M)
5944	521 - 533	773.4017	1544.7888	1544.7868	1.29	0	50	0.00012	1		K.QIMENAEINNIIK.I + Oxidation (M)
452	534 - 540	410.7505	819.4864	819.4854	1.15	0	39	0.0018	1		K.IVGLQYK.K
2804	541 - 550	578.2796	1154.5447	1154.5455	-0.67	1	30	0.021	1	U	K.KSYDDAESLK.T
2805	541 - 550	578.2797	1154.5448	1154.5455	-0.60	1	24	0.019	1	U	K.KSYDDAESLK.T
2807	541 - 550	578.2802	1154.5457	1154.5455	0.21	1	35	0.001	1	U	K.KSYDDAESLK.T
1689	542 - 550	514.2324	1026.4502	1026.4505	-0.33	0	19	0.022	1	U	K.SYDDAESLK.T
1690	542 - 550	514.2326	1026.4506	1026.4505	0.041	0	31	0.003	1	U	K.SYDDAESLK.T
1691	542 - 550	514.2327	1026.4508	1026.4505	0.29	0	26	0.0094	1	U	K.SYDDAESLK.T
1692	542 - 550	514.2328	1026.4510	1026.4505	0.47	0	55	0.00019	1	U	K.SYDDAESLK.T
7412	557 - 571	866.4053	1730.7960	1730.7968	-0.44	0	67	3.4e-06	1		K.IMIMTDQDQDGSHIK.G
7414	557 - 571	577.9394	1730.7963	1730.7968	-0.25	0	26	0.025	1		K.IMIMTDQDQDGSHIK.G
7417	557 - 571	577.9396	1730.7971	1730.7968	0.20	0	23	0.038	1		K.IMIMTDQDQDGSHIK.G
7420	557 - 571	577.9400	1730.7980	1730.7968	0.73	0	33	0.03	1		K.IMIMTDQDQDGSHIK.G
7421	557 - 571	866.4065	1730.7984	1730.7968	0.94	0	86	1.8e-07	1		K.IMIMTDQDQDGSHIK.G
7529	557 - 571	874.4023	1746.7900	1746.7917	-0.96	0	76	5.2e-07	1		K.IMIMTDQDQDGSHIK.G + Oxidation (M)
7530	557 - 571	583.2708	1746.7906	1746.7917	-0.60	0	46	0.002	1		K.IMIMTDQDQDGSHIK.G + Oxidation (M)
7531	557 - 571	583.2709	1746.7909	1746.7917	-0.44	0	47	0.00066	1		K.IMIMTDQDQDGSHIK.G + Oxidation (M)
7532	557 - 571	874.4028	1746.7910	1746.7917	-0.38	0	53	0.0005	1		K.IMIMTDQDQDGSHIK.G + Oxidation (M)
7533	557 - 571	583.2710	1746.7911	1746.7917	-0.30	0	25	0.05	1		K.IMIMTDQDQDGSHIK.G

Query	Start - End	Observed	Mr(expt)	Mr(calc)	ppm	M	Score	Expect	Rank	U	Peptide
											+ Oxidation (M)
7535	557 - 571	874.4029	1746.7913	1746.7917	-0.23	0	76	4.5e-07	1		K.IMIMTDQDQDGSHIK.G + Oxidation (M)
7537	557 - 571	583.2712	1746.7918	1746.7917	0.074	0	51	0.00085	1		K.IMIMTDQDQDGSHIK.G + Oxidation (M)
7538	557 - 571	583.2713	1746.7921	1746.7917	0.25	0	47	0.002	1		K.IMIMTDQDQDGSHIK.G + Oxidation (M)
7539	557 - 571	874.4034	1746.7922	1746.7917	0.31	0	69	1.4e-05	1		K.IMIMTDQDQDGSHIK.G + Oxidation (M)
7540	557 - 571	583.2717	1746.7932	1746.7917	0.86	0	52	0.00062	1		K.IMIMTDQDQDGSHIK.G + Oxidation (M)
7541	557 - 571	583.2721	1746.7944	1746.7917	1.59	0	37	0.0034	1		K.IMIMTDQDQDGSHIK.G + Oxidation (M)
7650	557 - 571	588.6021	1762.7846	1762.7866	-1.13	0	42	0.0024	1		K.IMIMTDQDQDGSHIK.G + 2 Oxidation (M)
7651	557 - 571	882.3996	1762.7847	1762.7866	-1.08	0	65	1.6e-05	1		K.IMIMTDQDQDGSHIK.G + 2 Oxidation (M)
7654	557 - 571	588.6025	1762.7856	1762.7866	-0.56	0	52	0.0003	1		K.IMIMTDQDQDGSHIK.G + 2 Oxidation (M)
7655	557 - 571	882.4001	1762.7856	1762.7866	-0.55	0	52	0.00058	1		K.IMIMTDQDQDGSHIK.G + 2 Oxidation (M)
7656	557 - 571	588.6025	1762.7857	1762.7866	-0.50	0	35	0.0047	1		K.IMIMTDQDQDGSHIK.G + 2 Oxidation (M)
7658	557 - 571	588.6026	1762.7859	1762.7866	-0.42	0	30	0.016	1		K.IMIMTDQDQDGSHIK.G + 2 Oxidation (M)
7659	557 - 571	588.6026	1762.7859	1762.7866	-0.40	0	55	0.00011	1		K.IMIMTDQDQDGSHIK.G + 2 Oxidation (M)
7661	557 - 571	588.6027	1762.7862	1762.7866	-0.25	0	36	0.0011	1		K.IMIMTDQDQDGSHIK.G + 2 Oxidation (M)
7662	557 - 571	588.6027	1762.7862	1762.7866	-0.23	0	41	0.0018	1		K.IMIMTDQDQDGSHIK.G + 2 Oxidation (M)
7663	557 - 571	882.4004	1762.7863	1762.7866	-0.18	0	62	6.2e-05	1		K.IMIMTDQDQDGSHIK.G + 2 Oxidation (M)
7665	557 - 571	882.4005	1762.7865	1762.7866	-0.036	0	55	0.00034	1		K.IMIMTDQDQDGSHIK.G + 2 Oxidation (M)
7666	557 - 571	882.4006	1762.7866	1762.7866	-0.0017	0	67	1.2e-05	1		K.IMIMTDQDQDGSHIK.G + 2 Oxidation (M)
7667	557 - 571	882.4006	1762.7866	1762.7866	0.021	0	54	4e-05	1		K.IMIMTDQDQDGSHIK.G + 2 Oxidation (M)
7668	557 - 571	882.4006	1762.7867	1762.7866	0.055	0	64	1.2e-05	1		K.IMIMTDQDQDGSHIK.G + 2 Oxidation (M)
7669	557 - 571	882.4006	1762.7867	1762.7866	0.078	0	66	3.3e-05	1		K.IMIMTDQDQDGSHIK.G + 2 Oxidation (M)
7670	557 - 571	588.6029	1762.7870	1762.7866	0.23	0	58	7.3e-05	1		K.IMIMTDQDQDGSHIK.G + 2 Oxidation (M)
7673	557 - 571	882.4011	1762.7876	1762.7866	0.55	0	44	0.00094	1		K.IMIMTDQDQDGSHIK.G + 2 Oxidation (M)
7674	557 - 571	588.6032	1762.7878	1762.7866	0.67	0	31	0.0061	1		K.IMIMTDQDQDGSHIK.G + 2 Oxidation (M)
8622	572 - 587	951.5398	1901.0650	1901.0676	-1.32	0	36	0.00038	1	U	K.GLLINFIHHNWPSLLK.H
8628	572 - 587	951.5410	1901.0675	1901.0676	-0.033	0	53	3.4e-05	1	U	K.GLLINFIHHNWPSLLK.H
8630	572 - 587	951.5412	1901.0678	1901.0676	0.16	0	54	0.00013	1	U	K.GLLINFIHHNWPSLLK.H
8631	572 - 587	634.6966	1901.0681	1901.0676	0.28	0	21	0.016	1	U	K.GLLINFIHHNWPSLLK.H
8633	572 - 587	634.6967	1901.0683	1901.0676	0.41	0	30	0.0055	1	U	K.GLLINFIHHNWPSLLK.H
5770	588 - 600	765.4204	1528.8262	1528.8290	-1.83	0	73	5.2e-07	1	U	K.HGFLEEFITPIVK.A
5771	588 - 600	510.6162	1528.8267	1528.8290	-1.47	0	25	0.018	1	U	K.HGFLEEFITPIVK.A
5772	588 - 600	765.4206	1528.8267	1528.8290	-1.46	0	86	1.6e-08	1	U	K.HGFLEEFITPIVK.A
5773	588 - 600	510.6163	1528.8271	1528.8290	-1.24	0	44	0.0021	1	U	K.HGFLEEFITPIVK.A
5774	588 - 600	765.4214	1528.8282	1528.8290	-0.52	0	54	8.5e-06	1	U	K.HGFLEEFITPIVK.A
5775	588 - 600	510.6167	1528.8282	1528.8290	-0.47	0	21	0.031	1	U	K.HGFLEEFITPIVK.A
5776	588 - 600	510.6167	1528.8283	1528.8290	-0.43	0	22	0.019	1	U	K.HGFLEEFITPIVK.A
5777	588 - 600	765.4214	1528.8283	1528.8290	-0.42	0	73	3.8e-07	1	U	K.HGFLEEFITPIVK.A
5779	588 - 600	765.4215	1528.8284	1528.8290	-0.36	0	62	3.6e-06	1	U	K.HGFLEEFITPIVK.A
5780	588 - 600	765.4215	1528.8284	1528.8290	-0.35	0	53	1.9e-05	1	U	K.HGFLEEFITPIVK.A
5781	588 - 600	510.6168	1528.8285	1528.8290	-0.32	0	39	0.0017	1	U	K.HGFLEEFITPIVK.A
5782	588 - 600	510.6168	1528.8285	1528.8290	-0.28	0	30	0.048	1	U	K.HGFLEEFITPIVK.A
5783	588 - 600	510.6168	1528.8285	1528.8290	-0.28	0	37	0.0071	1	U	K.HGFLEEFITPIVK.A
5784	588 - 600	510.6168	1528.8286	1528.8290	-0.26	0	49	0.00075	1	U	K.HGFLEEFITPIVK.A
5785	588 - 600	765.4216	1528.8286	1528.8290	-0.23	0	72	3e-07	1	U	K.HGFLEEFITPIVK.A
5786	588 - 600	510.6169	1528.8288	1528.8290	-0.14	0	47	0.00015	1	U	K.HGFLEEFITPIVK.A
5787	588 - 600	510.6169	1528.8288	1528.8290	-0.099	0	35	0.018	1	U	K.HGFLEEFITPIVK.A
5788	588 - 600	765.4217	1528.8288	1528.8290	-0.089	0	65	7.1e-06	1	U	K.HGFLEEFITPIVK.A
5789	588 - 600	765.4217	1528.8289	1528.8290	-0.024	0	71	2.4e-07	1	U	K.HGFLEEFITPIVK.A
5790	588 - 600	510.6169	1528.8289	1528.8290	-0.021	0	25	0.014	1	U	K.HGFLEEFITPIVK.A
5791	588 - 600	765.4218	1528.8289	1528.8290	-0.010	0	68	1.6e-06	1	U	K.HGFLEEFITPIVK.A
5792	588 - 600	765.4218	1528.8290	1528.8290	0.0026	0	84	1.9e-08	1	U	K.HGFLEEFITPIVK.A
5793	588 - 600	510.6169	1528.8290	1528.8290	0.018	0	27	0.027	1	U	K.HGFLEEFITPIVK.A
5795	588 - 600	510.6170	1528.8292	1528.8290	0.14	0	44	0.002	1	U	K.HGFLEEFITPIVK.A
5796	588 - 600	765.4220	1528.8295	1528.8290	0.34	0	87	1e-08	1	U	K.HGFLEEFITPIVK.A
5797	588 - 600	765.4220	1528.8295	1528.8290	0.36	0	63	3.2e-06	1	U	K.HGFLEEFITPIVK.A
5798	588 - 600	510.6171	1528.8296	1528.8290	0.39	0	26	0.04	1	U	K.HGFLEEFITPIVK.A
5799	588 - 600	765.4221	1528.8296	1528.8290	0.43	0	72	9.1e-07	1	U	K.HGFLEEFITPIVK.A
5800	588 - 600	510.6172	1528.8298	1528.8290	0.53	0	32	0.015	1	U	K.HGFLEEFITPIVK.A
5801	588 - 600	765.4222	1528.8298	1528.8290	0.58	0	66	7.9e-07	1	U	K.HGFLEEFITPIVK.A
9640	604 - 620	1080.5174	2159.0202	2159.0211	-0.43	1	100	1.2e-08	1	U	K.NKQELSFYSIPEFDEWK.K
9642	604 - 620	720.6813	2159.0220	2159.0211	0.43	1	35	0.004	1	U	K.NKQELSFYSIPEFDEWK.K
10064	604 - 621	1144.5645	2287.1145	2287.1161	-0.69	2	67	1.1e-06	1	U	K.NKQELSFYSIPEFDEWKK.H
10065	604 - 621	572.7859	2287.1146	2287.1161	-0.65	2	26	0.024	1	U	K.NKQELSFYSIPEFDEWKK.H
10067	604 - 621	763.3794	2287.1163	2287.1161	0.11	2	45	0.00036	1	U	K.NKQELSFYSIPEFDEWKK.H
8741	606 - 620	959.4487	1916.8828	1916.8832	-0.21	0	50	7.3e-05	1	U	K.QELSFYSIPEFDEWK.K
9269	606 - 621	1023.4965	2044.9784	2044.9782	0.12	1	38	0.002	1	U	K.QELSFYSIPEFDEWKK.H

Query	Start – End	Observed	Mr(expt)	Mr(calc)	ppm	M	Score	Expect	Rank	U	Peptide
9270	606 – 621	682.6668	2044.9785	2044.9782	0.15	1	29	0.019	1	U	K.QELSFYSIPEFDEWKK.H
1950	647 – 654	530.7238	1059.4329	1059.4331	-0.16	0	22	0.04	1	U	K.EYFADMER.H
1951	647 – 654	530.7240	1059.4335	1059.4331	0.33	0	30	0.0068	1	U	K.EYFADMER.H
1952	647 – 654	530.7243	1059.4340	1059.4331	0.87	0	20	0.036	1	U	K.EYFADMER.H
2089	647 – 654	538.7210	1075.4274	1075.4280	-0.61	0	33	0.0091	1	U	K.EYFADMER.H + Oxidation (M)
2090	647 – 654	538.7211	1075.4276	1075.4280	-0.38	0	22	0.036	1	U	K.EYFADMER.H + Oxidation (M)
2091	647 – 654	538.7213	1075.4281	1075.4280	0.063	0	26	0.027	1	U	K.EYFADMER.H + Oxidation (M)
2092	647 – 654	538.7214	1075.4282	1075.4280	0.19	0	31	0.0067	1	U	K.EYFADMER.H + Oxidation (M)
6872	661 – 676	834.9087	1667.8028	1667.8042	-0.84	0	30	0.003	1	U	R.YAGPEDDAAITLAFSK.K
6873	661 – 676	834.9088	1667.8031	1667.8042	-0.69	0	68	5.5e-07	1	U	R.YAGPEDDAAITLAFSK.K
6874	661 – 676	834.9089	1667.8032	1667.8042	-0.63	0	68	5.3e-07	1	U	R.YAGPEDDAAITLAFSK.K
6875	661 – 676	834.9089	1667.8032	1667.8042	-0.60	0	65	3.2e-06	1	U	R.YAGPEDDAAITLAFSK.K
6876	661 – 676	834.9090	1667.8034	1667.8042	-0.49	0	38	0.00027	1	U	R.YAGPEDDAAITLAFSK.K
6877	661 – 676	834.9090	1667.8034	1667.8042	-0.48	0	76	7.5e-08	1	U	R.YAGPEDDAAITLAFSK.K
6878	661 – 676	834.9091	1667.8036	1667.8042	-0.41	0	55	2.5e-05	1	U	R.YAGPEDDAAITLAFSK.K
6879	661 – 676	834.9091	1667.8036	1667.8042	-0.37	0	75	4.1e-07	1	U	R.YAGPEDDAAITLAFSK.K
6880	661 – 676	834.9091	1667.8036	1667.8042	-0.37	0	29	0.004	1	U	R.YAGPEDDAAITLAFSK.K
6881	661 – 676	834.9092	1667.8038	1667.8042	-0.24	0	75	2.8e-07	1	U	R.YAGPEDDAAITLAFSK.K
6882	661 – 676	834.9092	1667.8039	1667.8042	-0.23	0	81	8.7e-08	1	U	R.YAGPEDDAAITLAFSK.K
6883	661 – 676	834.9093	1667.8040	1667.8042	-0.13	0	41	0.00072	1	U	R.YAGPEDDAAITLAFSK.K
6884	661 – 676	834.9094	1667.8043	1667.8042	0.062	0	63	1.1e-06	1	U	R.YAGPEDDAAITLAFSK.K
6885	661 – 676	834.9095	1667.8044	1667.8042	0.074	0	77	7e-08	1	U	R.YAGPEDDAAITLAFSK.K
6886	661 – 676	834.9095	1667.8045	1667.8042	0.16	0	79	4.7e-08	1	U	R.YAGPEDDAAITLAFSK.K
6887	661 – 676	834.9096	1667.8047	1667.8042	0.28	0	28	0.0031	1	U	R.YAGPEDDAAITLAFSK.K
6888	661 – 676	834.9097	1667.8048	1667.8042	0.35	0	75	3.1e-07	1	U	R.YAGPEDDAAITLAFSK.K
6889	661 – 676	834.9097	1667.8048	1667.8042	0.36	0	72	2.8e-07	1	U	R.YAGPEDDAAITLAFSK.K
6890	661 – 676	834.9097	1667.8049	1667.8042	0.37	0	62	5.4e-06	1	U	R.YAGPEDDAAITLAFSK.K
6891	661 – 676	834.9098	1667.8049	1667.8042	0.42	0	61	4.7e-06	1	U	R.YAGPEDDAAITLAFSK.K
6892	661 – 676	834.9098	1667.8050	1667.8042	0.43	0	69	1.7e-06	1	U	R.YAGPEDDAAITLAFSK.K
6893	661 – 676	834.9098	1667.8050	1667.8042	0.46	0	76	1.5e-07	1	U	R.YAGPEDDAAITLAFSK.K
6894	661 – 676	556.9423	1667.8051	1667.8042	0.51	0	51	0.00015	1	U	R.YAGPEDDAAITLAFSK.K
6895	661 – 676	834.9101	1667.8057	1667.8042	0.87	0	61	4.3e-06	1	U	R.YAGPEDDAAITLAFSK.K
6896	661 – 676	834.9101	1667.8057	1667.8042	0.88	0	56	8.2e-06	1	U	R.YAGPEDDAAITLAFSK.K
6898	661 – 676	834.9102	1667.8058	1667.8042	0.94	0	38	0.00029	1	U	R.YAGPEDDAAITLAFSK.K
6899	661 – 676	834.9103	1667.8060	1667.8042	1.06	0	29	0.0024	1	U	R.YAGPEDDAAITLAFSK.K
6900	661 – 676	834.9103	1667.8061	1667.8042	1.13	0	67	5.8e-07	1	U	R.YAGPEDDAAITLAFSK.K
6901	661 – 676	834.9103	1667.8061	1667.8042	1.13	0	48	0.00011	1	U	R.YAGPEDDAAITLAFSK.K
6902	661 – 676	834.9105	1667.8064	1667.8042	1.32	0	74	3.9e-07	1	U	R.YAGPEDDAAITLAFSK.K
6903	661 – 676	834.9106	1667.8067	1667.8042	1.46	0	89	6.7e-09	1	U	R.YAGPEDDAAITLAFSK.K
6904	661 – 676	834.9118	1667.8091	1667.8042	2.93	0	83	1.7e-08	1	U	R.YAGPEDDAAITLAFSK.K
5161	683 – 693	490.2345	1467.6817	1467.6816	0.073	1	32	0.012	1		R.KEWLTNFMEDR.R
5279	683 – 693	742.8454	1483.6762	1483.6765	-0.21	1	38	0.0015	1		R.KEWLTNFMEDR.R + Oxidation (M)
5280	683 – 693	495.5661	1483.6764	1483.6765	-0.11	1	31	0.0068	1		R.KEWLTNFMEDR.R + Oxidation (M)
5281	683 – 693	495.5661	1483.6765	1483.6765	-0.0081	1	25	0.011	1		R.KEWLTNFMEDR.R + Oxidation (M)
5282	683 – 693	742.8456	1483.6767	1483.6765	0.11	1	26	0.0091	1		R.KEWLTNFMEDR.R + Oxidation (M)
5283	683 – 693	495.5662	1483.6767	1483.6765	0.11	1	45	0.00023	1		R.KEWLTNFMEDR.R + Oxidation (M)
5284	683 – 693	742.8456	1483.6767	1483.6765	0.12	1	56	1.9e-05	1		R.KEWLTNFMEDR.R + Oxidation (M)
5285	683 – 693	742.8457	1483.6768	1483.6765	0.15	1	45	0.0002	1		R.KEWLTNFMEDR.R + Oxidation (M)
5286	683 – 693	495.5662	1483.6768	1483.6765	0.17	1	28	0.0078	1		R.KEWLTNFMEDR.R + Oxidation (M)
5287	683 – 693	742.8458	1483.6771	1483.6765	0.41	1	26	0.0088	1		R.KEWLTNFMEDR.R + Oxidation (M)
6556	683 – 694	542.2685	1623.7836	1623.7827	0.51	2	29	0.025	1		R.KEWLTNFMEDRR.Q
4210	684 – 693	670.8007	1339.5869	1339.5867	0.19	0	28	0.0024	1		K.EWLTNFMEDR.R
4211	684 – 693	670.8010	1339.5874	1339.5867	0.57	0	65	7.4e-06	1		K.EWLTNFMEDR.R
4292	684 – 693	678.7979	1355.5812	1355.5816	-0.27	0	23	0.02	1		K.EWLTNFMEDR.R + Oxidation (M)
4293	684 – 693	678.7980	1355.5814	1355.5816	-0.13	0	28	0.0094	1		K.EWLTNFMEDR.R + Oxidation (M)
4295	684 – 693	678.7983	1355.5820	1355.5816	0.31	0	26	0.0092	1		K.EWLTNFMEDR.R + Oxidation (M)
8191	697 – 712	610.9992	1829.9758	1829.9788	-1.64	1	37	0.0015	1	U	R.RLHGLPEQFLYGTATK.H
8192	697 – 712	610.9992	1829.9759	1829.9788	-1.59	1	47	0.00022	1	U	R.RLHGLPEQFLYGTATK.H
8193	697 – 712	610.9993	1829.9762	1829.9788	-1.44	1	44	0.00046	1	U	R.RLHGLPEQFLYGTATK.H
8194	697 – 712	610.9994	1829.9762	1829.9788	-1.41	1	37	0.003	1	U	R.RLHGLPEQFLYGTATK.H
8195	697 – 712	915.9960	1829.9774	1829.9788	-0.79	1	76	1.7e-07	1	U	R.RLHGLPEQFLYGTATK.H
8196	697 – 712	610.9997	1829.9774	1829.9788	-0.77	1	28	0.0066	1	U	R.RLHGLPEQFLYGTATK.H
8197	697 – 712	610.9998	1829.9775	1829.9788	-0.69	1	67	8.8e-06	1	U	R.RLHGLPEQFLYGTATK.H
8198	697 – 712	458.5018	1829.9780	1829.9788	-0.45	1	36	0.0046	1	U	R.RLHGLPEQFLYGTATK.H
8199	697 – 712	611.0001	1829.9785	1829.9788	-0.17	1	51	9.8e-05	1	U	R.RLHGLPEQFLYGTATK.H
8200	697 – 712	611.0001	1829.9786	1829.9788	-0.13	1	17	0.043	1	U	R.RLHGLPEQFLYGTATK.H
8202	697 – 712	611.0002	1829.9789	1829.9788	0.047	1	33	0.0024	1	U	R.RLHGLPEQFLYGTATK.H
8203	697 – 712	611.0003	1829.9791	1829.9788	0.15	1	38	0.00081	1	U	R.RLHGLPEQFLYGTATK.H
8205	697 – 712	611.0006	1829.9800	1829.9788	0.67	1	20	0.041	1	U	R.RLHGLPEQFLYGTATK.H
8206	697 – 712	611.0007	1829.9804	1829.9788	0.85	1	32	0.0086	1	U	R.RLHGLPEQFLYGTATK.H
6940	698 – 712	558.9653	1673.8741	1673.8777	-2.15	0	21	0.016	1	U	R.LHGLPEQFLYGTATK.H
6941	698 – 712	837.9444	1673.8742	1673.8777	-2.06	0	20	0.019	1	U	R.LHGLPEQFLYGTATK.H
6942	698 – 712	837.9445	1673.8744	1673.8777	-1.96	0	28	0.0026	1	U	R.LHGLPEQFLYGTATK.H
6943	698 – 712	837.9449	1673.8752	1673.8777	-1.51	0	31	0.0011	1	U	R.LHGLPEQFLYGTATK.H

Query	Start - End	Observed	Mr(expt)	Mr(calc)	ppm	M	Score	Expect	Rank	U	Peptide
6945	698 - 712	837.9454	1673.8761	1673.8777	-0.93	0	22	0.0093	1	U	R.LHGLPEQFLYGTATK.H
6947	698 - 712	837.9457	1673.8769	1673.8777	-0.49	0	32	0.001	1	U	R.LHGLPEQFLYGTATK.H
6948	698 - 712	837.9457	1673.8769	1673.8777	-0.49	0	28	0.0023	1	U	R.LHGLPEQFLYGTATK.H
6949	698 - 712	837.9458	1673.8770	1673.8777	-0.44	0	21	0.012	1	U	R.LHGLPEQFLYGTATK.H
6950	698 - 712	837.9458	1673.8771	1673.8777	-0.35	0	26	0.0035	1	U	R.LHGLPEQFLYGTATK.H
6951	698 - 712	558.9663	1673.8772	1673.8777	-0.32	0	36	0.013	1	U	R.LHGLPEQFLYGTATK.H
6953	698 - 712	837.9459	1673.8772	1673.8777	-0.29	0	36	0.00041	1	U	R.LHGLPEQFLYGTATK.H
6954	698 - 712	558.9664	1673.8773	1673.8777	-0.27	0	26	0.033	1	U	R.LHGLPEQFLYGTATK.H
6955	698 - 712	558.9664	1673.8773	1673.8777	-0.23	0	41	0.0011	1	U	R.LHGLPEQFLYGTATK.H
6956	698 - 712	837.9459	1673.8773	1673.8777	-0.22	0	31	0.0038	1	U	R.LHGLPEQFLYGTATK.H
6957	698 - 712	837.9460	1673.8773	1673.8777	-0.21	0	27	0.0034	1	U	R.LHGLPEQFLYGTATK.H
6958	698 - 712	558.9664	1673.8774	1673.8777	-0.20	0	32	0.0084	1	U	R.LHGLPEQFLYGTATK.H
6959	698 - 712	837.9460	1673.8774	1673.8777	-0.15	0	49	3e-05	1	U	R.LHGLPEQFLYGTATK.H
6960	698 - 712	558.9664	1673.8775	1673.8777	-0.12	0	29	0.0062	1	U	R.LHGLPEQFLYGTATK.H
6962	698 - 712	558.9665	1673.8777	1673.8777	0.00060	0	43	0.00027	1	U	R.LHGLPEQFLYGTATK.H
6963	698 - 712	837.9461	1673.8777	1673.8777	0.0042	0	72	2.1e-07	1	U	R.LHGLPEQFLYGTATK.H
6965	698 - 712	558.9665	1673.8778	1673.8777	0.054	0	44	0.00052	1	U	R.LHGLPEQFLYGTATK.H
6966	698 - 712	837.9462	1673.8778	1673.8777	0.076	0	20	0.015	1	U	R.LHGLPEQFLYGTATK.H
6967	698 - 712	558.9666	1673.8779	1673.8777	0.090	0	25	0.036	1	U	R.LHGLPEQFLYGTATK.H
6970	698 - 712	558.9666	1673.8780	1673.8777	0.18	0	35	0.0083	1	U	R.LHGLPEQFLYGTATK.H
6972	698 - 712	837.9463	1673.8780	1673.8777	0.18	0	28	0.0037	1	U	R.LHGLPEQFLYGTATK.H
6973	698 - 712	837.9463	1673.8780	1673.8777	0.20	0	46	0.00036	1	U	R.LHGLPEQFLYGTATK.H
6974	698 - 712	558.9666	1673.8780	1673.8777	0.20	0	31	0.012	1	U	R.LHGLPEQFLYGTATK.H
6975	698 - 712	558.9666	1673.8781	1673.8777	0.22	0	28	0.011	1	U	R.LHGLPEQFLYGTATK.H
6976	698 - 712	558.9666	1673.8781	1673.8777	0.23	0	43	0.0008	1	U	R.LHGLPEQFLYGTATK.H
6977	698 - 712	558.9667	1673.8782	1673.8777	0.29	0	43	0.00041	1	U	R.LHGLPEQFLYGTATK.H
6979	698 - 712	558.9668	1673.8785	1673.8777	0.47	0	50	0.0007	1	U	R.LHGLPEQFLYGTATK.H
6980	698 - 712	558.9668	1673.8787	1673.8777	0.59	0	34	0.034	1	U	R.LHGLPEQFLYGTATK.H
6983	698 - 712	837.9471	1673.8796	1673.8777	1.16	0	70	7.8e-07	1	U	R.LHGLPEQFLYGTATK.H
6984	698 - 712	558.9672	1673.8797	1673.8777	1.22	0	41	0.0017	1	U	R.LHGLPEQFLYGTATK.H
6986	698 - 712	558.9672	1673.8798	1673.8777	1.27	0	42	0.00099	1	U	R.LHGLPEQFLYGTATK.H
3570	713 - 722	632.8182	1263.6217	1263.6248	-2.39	0	26	0.0045	1	U	K.HLTYNDFINK.E
3571	713 - 722	632.8189	1263.6232	1263.6248	-1.21	0	24	0.023	1	U	K.HLTYNDFINK.E
3572	713 - 722	422.2152	1263.6238	1263.6248	-0.77	0	28	0.018	1	U	K.HLTYNDFINK.E
3573	713 - 722	632.8192	1263.6239	1263.6248	-0.71	0	30	0.016	1	U	K.HLTYNDFINK.E
3574	713 - 722	632.8193	1263.6240	1263.6248	-0.62	0	30	0.0078	1	U	K.HLTYNDFINK.E
3575	713 - 722	632.8193	1263.6240	1263.6248	-0.60	0	30	0.013	1	U	K.HLTYNDFINK.E
3576	713 - 722	632.8193	1263.6241	1263.6248	-0.56	0	36	0.00092	1	U	K.HLTYNDFINK.E
3577	713 - 722	632.8193	1263.6241	1263.6248	-0.54	0	33	0.003	1	U	K.HLTYNDFINK.E
3578	713 - 722	632.8193	1263.6241	1263.6248	-0.51	0	33	0.0047	1	U	K.HLTYNDFINK.E
3579	713 - 722	632.8194	1263.6242	1263.6248	-0.41	0	37	0.0075	1	U	K.HLTYNDFINK.E
3580	713 - 722	632.8195	1263.6244	1263.6248	-0.32	0	31	0.0073	1	U	K.HLTYNDFINK.E
3582	713 - 722	422.2155	1263.6247	1263.6248	-0.055	0	26	0.021	1	U	K.HLTYNDFINK.E
3583	713 - 722	632.8196	1263.6247	1263.6248	-0.050	0	27	0.015	1	U	K.HLTYNDFINK.E
3585	713 - 722	632.8197	1263.6249	1263.6248	0.11	0	35	0.0035	1	U	K.HLTYNDFINK.E
3586	713 - 722	632.8198	1263.6249	1263.6248	0.14	0	23	0.0089	1	U	K.HLTYNDFINK.E
3587	713 - 722	632.8198	1263.6250	1263.6248	0.22	0	27	0.011	1	U	K.HLTYNDFINK.E
3588	713 - 722	632.8198	1263.6251	1263.6248	0.25	0	40	0.00059	1	U	K.HLTYNDFINK.E
3589	713 - 722	632.8198	1263.6251	1263.6248	0.30	0	26	0.015	1	U	K.HLTYNDFINK.E
3590	713 - 722	632.8198	1263.6251	1263.6248	0.30	0	31	0.005	1	U	K.HLTYNDFINK.E
3591	713 - 722	632.8198	1263.6251	1263.6248	0.30	0	24	0.014	1	U	K.HLTYNDFINK.E
3592	713 - 722	632.8199	1263.6252	1263.6248	0.33	0	27	0.011	1	U	K.HLTYNDFINK.E
3593	713 - 722	632.8199	1263.6252	1263.6248	0.38	0	19	0.021	1	U	K.HLTYNDFINK.E
3594	713 - 722	632.8200	1263.6255	1263.6248	0.57	0	16	0.034	1	U	K.HLTYNDFINK.E
3595	713 - 722	632.8200	1263.6255	1263.6248	0.61	0	24	0.0059	1	U	K.HLTYNDFINK.E
3596	713 - 722	632.8202	1263.6258	1263.6248	0.82	0	27	0.0055	1	U	K.HLTYNDFINK.E
3597	713 - 722	632.8202	1263.6258	1263.6248	0.84	0	30	0.0014	1	U	K.HLTYNDFINK.E
3598	713 - 722	632.8202	1263.6259	1263.6248	0.93	0	27	0.0043	1	U	K.HLTYNDFINK.E
4842	723 - 734	718.8541	1435.6937	1435.6943	-0.41	0	36	0.0035	1		K.ELILFSNSDNER.S
4844	723 - 734	718.8543	1435.6941	1435.6943	-0.14	0	40	0.0016	1		K.ELILFSNSDNER.S
4845	723 - 734	718.8544	1435.6942	1435.6943	-0.057	0	32	0.0083	1		K.ELILFSNSDNER.S
4846	723 - 734	718.8544	1435.6942	1435.6943	-0.043	0	36	0.0094	1		K.ELILFSNSDNER.S
4847	723 - 734	718.8545	1435.6945	1435.6943	0.12	0	34	0.0072	1		K.ELILFSNSDNER.S
4848	723 - 734	718.8546	1435.6947	1435.6943	0.28	0	35	0.0019	1		K.ELILFSNSDNER.S
4849	723 - 734	718.8546	1435.6947	1435.6943	0.28	0	35	0.026	1		K.ELILFSNSDNER.S
4850	723 - 734	718.8546	1435.6947	1435.6943	0.32	0	30	0.0036	1		K.ELILFSNSDNER.S
4851	723 - 734	718.8547	1435.6948	1435.6943	0.35	0	51	0.0003	1		K.ELILFSNSDNER.S
4852	723 - 734	718.8547	1435.6949	1435.6943	0.42	0	27	0.047	1		K.ELILFSNSDNER.S
4854	723 - 734	718.8548	1435.6949	1435.6943	0.46	0	20	0.041	1		K.ELILFSNSDNER.S
4856	723 - 734	718.8549	1435.6952	1435.6943	0.67	0	51	0.00049	1		K.ELILFSNSDNER.S
4857	723 - 734	718.8550	1435.6954	1435.6943	0.76	0	40	0.003	1		K.ELILFSNSDNER.S
4858	723 - 734	718.8550	1435.6954	1435.6943	0.78	0	31	0.017	1		K.ELILFSNSDNER.S
4860	723 - 734	718.8551	1435.6957	1435.6943	1.00	0	30	0.0086	1		K.ELILFSNSDNER.S
4861	723 - 734	718.8554	1435.6963	1435.6943	1.43	0	28	0.016	1		K.ELILFSNSDNER.S
5425	735 - 748	750.9115	1499.8085	1499.8096	-0.76	0	39	0.0012	1	U	R.SIPSLVDGFKPGQR.K
5426	735 - 748	750.9117	1499.8088	1499.8096	-0.52	0	47	0.00011	1	U	R.SIPSLVDGFKPGQR.K
5434	735 - 748	750.9121	1499.8097	1499.8096	0.025	0	51	3.9e-05	1	U	R.SIPSLVDGFKPGQR.K
5437	735 - 748	750.9122	1499.8099	1499.8096	0.20	0	53	6.8e-05	1	U	R.SIPSLVDGFKPGQR.K
5449	735 - 748	750.9133	1499.8121	1499.8096	1.64	0	53	9.6e-05	1	U	R.SIPSLVDGFKPGQR.K
5450	735 - 748	750.9137	1499.8128	1499.8096	2.10	0	15	0.036	1	U	R.SIPSLVDGFKPGQR.K
4015	826 - 836	658.3563	1314.6980	1314.7006	-1.92	0	31	0.0012	1	U	R.YIFTMLSTLAR.L
4016	826 - 836	658.3566	1314.6985	1314.7006	-1.54	0	23	0.018	1	U	R.YIFTMLSTLAR.L
4017	826 - 836	658.3573	1314.7000	1314.7006	-0.40	0	45	0.00019	1	U	R.YIFTMLSTLAR.L
4018	826 - 836	658.3573	1314.7001	1314.7006	-0.37	0	46	0.00044	1	U	R.YIFTMLSTLAR.L
4019	826 - 836	658.3574	1314.7002	1314.7006	-0.28	0	36	0.00045	1	U	R.YIFTMLSTLAR.L
4020	826 - 836	658.3574	1314.7002	1314.7006	-0.25	0	46	0.00025	1	U	R.YIFTMLSTLAR.L
4021	826 - 836	658.3574	1314.7003	1314.7006	-0.24	0	38	0.00098	1	U	R.YIFTMLSTLAR.L
4022	826 - 836	658.3575	1314.7005	1314.7006	-0.052	0	31	0.0047	1	U	R.YIFTMLSTLAR.L
4023	826 - 836	658.3576	1314.7006	1314.7006	-0.0068	0	50	0.00012	1	U	R.YIFTMLSTLAR.L

Query	Start - End	Observed	Mr(expt)	Mr(calc)	ppm	M	Score	Expect	Rank	U	Peptide
4024	826 - 836	658.3576	1314.7007	1314.7006	0.069	0	49	0.00011	1	U	R.YIFTMLSTLAR.L
4025	826 - 836	658.3577	1314.7008	1314.7006	0.21	0	50	7.2e-05	1	U	R.YIFTMLSTLAR.L
4026	826 - 836	658.3577	1314.7009	1314.7006	0.24	0	40	0.00067	1	U	R.YIFTMLSTLAR.L
4027	826 - 836	658.3578	1314.7009	1314.7006	0.28	0	38	0.00028	1	U	R.YIFTMLSTLAR.L
4028	826 - 836	658.3585	1314.7024	1314.7006	1.36	0	48	0.00036	1	U	R.YIFTMLSTLAR.L
4029	826 - 836	658.3585	1314.7025	1314.7006	1.44	0	30	0.0081	1	U	R.YIFTMLSTLAR.L
4144	826 - 836	666.3540	1330.6934	1330.6955	-1.54	0	24	0.026	1	U	R.YIFTMLSTLAR.L + Oxidation (M)
4145	826 - 836	666.3544	1330.6942	1330.6955	-0.94	0	54	8.2e-05	1	U	R.YIFTMLSTLAR.L + Oxidation (M)
4148	826 - 836	666.3548	1330.6950	1330.6955	-0.35	0	44	0.00026	1	U	R.YIFTMLSTLAR.L + Oxidation (M)
4149	826 - 836	666.3549	1330.6952	1330.6955	-0.22	0	41	0.00056	1	U	R.YIFTMLSTLAR.L + Oxidation (M)
4150	826 - 836	666.3550	1330.6954	1330.6955	-0.096	0	51	9.2e-05	1	U	R.YIFTMLSTLAR.L + Oxidation (M)
4151	826 - 836	666.3551	1330.6957	1330.6955	0.16	0	52	6.2e-05	1	U	R.YIFTMLSTLAR.L + Oxidation (M)
4152	826 - 836	666.3551	1330.6957	1330.6955	0.16	0	38	0.0012	1	U	R.YIFTMLSTLAR.L + Oxidation (M)
4155	826 - 836	666.3552	1330.6959	1330.6955	0.31	0	24	0.017	1	U	R.YIFTMLSTLAR.L + Oxidation (M)
4156	826 - 836	666.3553	1330.6960	1330.6955	0.37	0	23	0.016	1	U	R.YIFTMLSTLAR.L + Oxidation (M)
4157	826 - 836	666.3553	1330.6960	1330.6955	0.40	0	55	2.8e-05	1	U	R.YIFTMLSTLAR.L + Oxidation (M)
4158	826 - 836	666.3554	1330.6962	1330.6955	0.50	0	51	5.3e-05	1	U	R.YIFTMLSTLAR.L + Oxidation (M)
4159	826 - 836	666.3555	1330.6964	1330.6955	0.72	0	42	0.00025	1	U	R.YIFTMLSTLAR.L + Oxidation (M)
4160	826 - 836	666.3555	1330.6965	1330.6955	0.73	0	35	0.0024	1	U	R.YIFTMLSTLAR.L + Oxidation (M)
4161	826 - 836	666.3559	1330.6972	1330.6955	1.26	0	39	0.00093	1	U	R.YIFTMLSTLAR.L + Oxidation (M)
4320	837 - 848	679.3895	1356.7644	1356.7653	-0.62	0	31	0.0095	1	U	R.LLFPAVDDNLLK.F
4321	837 - 848	679.3898	1356.7649	1356.7653	-0.25	0	35	0.0075	1	U	R.LLFPAVDDNLLK.F
4322	837 - 848	679.3898	1356.7650	1356.7653	-0.24	0	36	0.0047	1	U	R.LLFPAVDDNLLK.F
4323	837 - 848	679.3898	1356.7651	1356.7653	-0.15	0	41	0.00064	1	U	R.LLFPAVDDNLLK.F
4324	837 - 848	679.3898	1356.7651	1356.7653	-0.15	0	32	0.024	1	U	R.LLFPAVDDNLLK.F
4325	837 - 848	679.3898	1356.7651	1356.7653	-0.13	0	39	0.0022	1	U	R.LLFPAVDDNLLK.F
4326	837 - 848	679.3898	1356.7651	1356.7653	-0.12	0	53	8.8e-05	1	U	R.LLFPAVDDNLLK.F
4328	837 - 848	679.3900	1356.7654	1356.7653	0.058	0	33	0.011	1	U	R.LLFPAVDDNLLK.F
4329	837 - 848	679.3900	1356.7654	1356.7653	0.058	0	39	0.0031	1	U	R.LLFPAVDDNLLK.F
4330	837 - 848	679.3900	1356.7655	1356.7653	0.16	0	50	0.00021	1	U	R.LLFPAVDDNLLK.F
4331	837 - 848	679.3900	1356.7655	1356.7653	0.18	0	27	0.013	1	U	R.LLFPAVDDNLLK.F
4332	837 - 848	679.3901	1356.7657	1356.7653	0.31	0	42	0.00071	1	U	R.LLFPAVDDNLLK.F
2043	849 - 856	535.7489	1069.4832	1069.4829	0.28	0	39	0.0082	1		K.FLYDDNQR.V
2044	849 - 856	535.7489	1069.4833	1069.4829	0.42	0	25	0.041	1		K.FLYDDNQR.V
590	885 - 891	424.7166	847.4187	847.4188	-0.053	0	25	0.042	1	U	K.LPNYDAR.E
592	885 - 891	424.7168	847.4190	847.4188	0.25	0	36	0.0064	1	U	K.LPNYDAR.E
7496	900 - 914	870.9260	1739.8375	1739.8375	0.040	0	81	3.9e-07	1	U	R.MLDGLDPHPMLPNYK.N
7608	900 - 914	878.9237	1755.8328	1755.8324	0.22	0	24	0.01	1	U	R.MLDGLDPHPMLPNYK.N + Oxidation (M)
7609	900 - 914	878.9238	1755.8330	1755.8324	0.37	0	37	0.001	1	U	R.MLDGLDPHPMLPNYK.N + Oxidation (M)
7612	900 - 914	878.9241	1755.8336	1755.8324	0.69	0	59	3e-05	1	U	R.MLDGLDPHPMLPNYK.N + Oxidation (M)
7615	900 - 914	878.9250	1755.8353	1755.8324	1.68	0	27	0.0088	1	U	R.MLDGLDPHPMLPNYK.N + Oxidation (M)
7722	900 - 914	886.9206	1771.8266	1771.8273	-0.41	0	22	0.026	1	U	R.MLDGLDPHPMLPNYK.N + 2 Oxidation (M)
7723	900 - 914	886.9208	1771.8270	1771.8273	-0.16	0	31	0.0063	1	U	R.MLDGLDPHPMLPNYK.N + 2 Oxidation (M)
7728	900 - 914	591.6170	1771.8292	1771.8273	1.08	0	31	0.016	1	U	R.MLDGLDPHPMLPNYK.N + 2 Oxidation (M)
7729	900 - 914	886.9221	1771.8296	1771.8273	1.30	0	25	0.038	1	U	R.MLDGLDPHPMLPNYK.N + 2 Oxidation (M)
10332	918 - 939	1212.1072	2422.1999	2422.2129	-5.35	0	112	9.6e-11	1	U	K.GTIQELGQNQYAVSGEIFVVDR.N
10333	918 - 939	808.4094	2422.2062	2422.2129	-2.74	0	34	0.0042	1	U	K.GTIQELGQNQYAVSGEIFVVDR.N
10339	918 - 939	1212.1133	2422.2121	2422.2129	-0.31	0	142	7.2e-13	1	U	K.GTIQELGQNQYAVSGEIFVVDR.N
10342	918 - 939	1212.1137	2422.2128	2422.2129	-0.021	0	64	8.4e-06	1	U	K.GTIQELGQNQYAVSGEIFVVDR.N
10343	918 - 939	808.4116	2422.2128	2422.2129	-0.016	0	21	0.028	1	U	K.GTIQELGQNQYAVSGEIFVVDR.N
10344	918 - 939	808.4116	2422.2129	2422.2129	-0.0033	0	23	0.024	1	U	K.GTIQELGQNQYAVSGEIFVVDR.N
10345	918 - 939	808.4116	2422.2129	2422.2129	0.021	0	22	0.022	1	U	K.GTIQELGQNQYAVSGEIFVVDR.N
10346	918 - 939	808.4116	2422.2131	2422.2129	0.11	0	25	0.044	1	U	K.GTIQELGQNQYAVSGEIFVVDR.N
10348	918 - 939	808.4117	2422.2133	2422.2129	0.19	0	41	0.0013	1	U	K.GTIQELGQNQYAVSGEIFVVDR.N
10349	918 - 939	606.5606	2422.2134	2422.2129	0.23	0	35	0.02	1	U	K.GTIQELGQNQYAVSGEIFVVDR.N
10352	918 - 939	808.4118	2422.2137	2422.2129	0.33	0	27	0.016	1	U	K.GTIQELGQNQYAVSGEIFVVDR.N
10354	918 - 939	808.4122	2422.2147	2422.2129	0.75	0	33	0.014	1	U	K.GTIQELGQNQYAVSGEIFVVDR.N
10355	918 - 939	606.5612	2422.2156	2422.2129	1.14	0	39	0.0028	1	U	K.GTIQELGQNQYAVSGEIFVVDR.N
10357	918 - 939	1212.1162	2422.2178	2422.2129	2.03	0	42	0.00051	1	U	K.GTIQELGQNQYAVSGEIFVVDR.N
3640	940 - 950	635.8524	1269.6902	1269.6929	-2.09	0	35	0.013	1	U	R.NTVEITELPVR.T
3641	940 - 950	635.8532	1269.6918	1269.6929	-0.81	0	67	7.3e-06	1	U	R.NTVEITELPVR.T
3642	940 - 950	635.8532	1269.6919	1269.6929	-0.76	0	32	0.0024	1	U	R.NTVEITELPVR.T
3643	940 - 950	635.8534	1269.6923	1269.6929	-0.42	0	53	0.00027	1	U	R.NTVEITELPVR.T
3644	940 - 950	635.8535	1269.6924	1269.6929	-0.38	0	50	0.00056	1	U	R.NTVEITELPVR.T
3645	940 - 950	635.8536	1269.6926	1269.6929	-0.21	0	55	0.00017	1	U	R.NTVEITELPVR.T
3646	940 - 950	635.8536	1269.6926	1269.6929	-0.18	0	19	0.041	1	U	R.NTVEITELPVR.T
3647	940 - 950	635.8537	1269.6928	1269.6929	-0.038	0	53	6.7e-05	1	U	R.NTVEITELPVR.T
3648	940 - 950	635.8539	1269.6932	1269.6929	0.28	0	23	0.0075	1	U	R.NTVEITELPVR.T
3650	940 - 950	635.8539	1269.6933	1269.6929	0.37	0	47	8.5e-05	1	U	R.NTVEITELPVR.T

Query	Start - End	Observed	Mr(expt)	Mr(calc)	ppm	M	Score	Expect	Rank	U	Peptide
3651	940 - 950	635.8540	1269.6934	1269.6929	0.45	0	22	0.041	1	U	R.NTVEITELPVR.T
3652	940 - 950	424.2385	1269.6936	1269.6929	0.62	0	53	0.00026	1	U	R.NTVEITELPVR.T
5219	958 - 970	737.3661	1472.7176	1472.7181	-0.29	0	40	0.0019	1	U	K.EQVLEPMLNGTDK.T
5324	958 - 970	745.3634	1488.7122	1488.7130	-0.56	0	47	0.0003	1	U	K.EQVLEPMLNGTDK.T + Oxidation (M)
5325	958 - 970	745.3638	1488.7131	1488.7130	0.10	0	44	0.00051	1	U	K.EQVLEPMLNGTDK.T + Oxidation (M)
10561	958 - 979	826.7514	2477.2325	2477.2359	-1.40	1	38	0.0015	1	U	K.EQVLEPMLNGTDKTPALISDYK.E + Oxidation (M)
1541	971 - 979	504.2741	1006.5336	1006.5335	0.094	0	36	0.0031	1	U	K.TPALISDYK.E
1542	971 - 979	504.2743	1006.5341	1006.5335	0.59	0	35	0.0042	1	U	K.TPALISDYK.E
1543	971 - 979	504.2743	1006.5341	1006.5335	0.63	0	26	0.019	1	U	K.TPALISDYK.E
1544	971 - 979	504.2745	1006.5344	1006.5335	0.91	0	27	0.019	1	U	K.TPALISDYK.E
9387	971 - 988	694.6838	2081.0297	2081.0317	-0.98	1	38	0.00076	1	U	K.TPALISDYKEYHTDTTVK.F
9388	971 - 988	694.6842	2081.0308	2081.0317	-0.44	1	30	0.0058	1	U	K.TPALISDYKEYHTDTTVK.F
9390	971 - 988	694.6845	2081.0317	2081.0317	-0.010	1	18	0.045	1	U	K.TPALISDYKEYHTDTTVK.F
2249	980 - 988	547.2617	1092.5088	1092.5088	0.063	0	31	0.0057	1		K.EYHTDTTVK.F
2251	980 - 988	547.2618	1092.5090	1092.5088	0.23	0	19	0.032	1		K.EYHTDTTVK.F
2357	998 - 1008	554.8088	1107.6030	1107.6036	-0.57	0	63	1.9e-05	1	U	K.LAQAEAAGLHK.V
2358	998 - 1008	554.8089	1107.6032	1107.6036	-0.41	0	55	6.6e-05	1	U	K.LAQAEAAGLHK.V
2359	998 - 1008	370.2083	1107.6032	1107.6036	-0.39	0	47	0.00093	1	U	K.LAQAEAAGLHK.V
2361	998 - 1008	370.2084	1107.6035	1107.6036	-0.090	0	32	0.0088	1	U	K.LAQAEAAGLHK.V
2362	998 - 1008	370.2085	1107.6036	1107.6036	-0.063	0	38	0.003	1	U	K.LAQAEAAGLHK.V
2363	998 - 1008	554.8091	1107.6036	1107.6036	-0.013	0	40	0.0015	1	U	K.LAQAEAAGLHK.V
2364	998 - 1008	370.2086	1107.6041	1107.6036	0.40	0	43	0.0023	1	U	K.LAQAEAAGLHK.V
3341	1032 - 1041	618.8448	1235.6750	1235.6761	-0.93	1	21	0.023	1	U	K.KYETVQDILK.E
3343	1032 - 1041	618.8453	1235.6761	1235.6761	-0.019	1	62	4.5e-06	1	U	K.KYETVQDILK.E
3344	1032 - 1041	618.8454	1235.6762	1235.6761	0.029	1	35	0.00091	1	U	K.KYETVQDILK.E
3345	1032 - 1041	618.8454	1235.6762	1235.6761	0.094	1	49	7.3e-05	1	U	K.KYETVQDILK.E
3347	1032 - 1041	412.8994	1235.6763	1235.6761	0.15	1	39	0.0057	1	U	K.KYETVQDILK.E
3348	1032 - 1041	618.8454	1235.6763	1235.6761	0.16	1	33	0.0035	1	U	K.KYETVQDILK.E
2355	1033 - 1041	554.7979	1107.5812	1107.5812	0.046	0	44	0.0022	1	U	K.YETVQDILK.E
5970	1055 - 1068	774.9081	1547.8016	1547.8017	-0.061	1	76	2.1e-06	1	U	R.KEWLVGMLGAESTK.L
5972	1055 - 1068	516.9413	1547.8022	1547.8017	0.29	1	41	0.003	1	U	R.KEWLVGMLGAESTK.L
6116	1055 - 1068	782.9052	1563.7959	1563.7967	-0.49	1	53	5.7e-05	1	U	R.KEWLVGMLGAESTK.L + Oxidation (M)
6117	1055 - 1068	782.9054	1563.7962	1563.7967	-0.29	1	43	0.00053	1	U	R.KEWLVGMLGAESTK.L + Oxidation (M)
6118	1055 - 1068	782.9055	1563.7965	1563.7967	-0.098	1	68	7.6e-06	1	U	R.KEWLVGMLGAESTK.L + Oxidation (M)
6119	1055 - 1068	782.9055	1563.7965	1563.7967	-0.098	1	70	8.2e-06	1	U	R.KEWLVGMLGAESTK.L + Oxidation (M)
6120	1055 - 1068	522.2730	1563.7973	1563.7967	0.42	1	29	0.0036	1	U	R.KEWLVGMLGAESTK.L + Oxidation (M)
6121	1055 - 1068	522.2731	1563.7975	1563.7967	0.56	1	28	0.006	1	U	R.KEWLVGMLGAESTK.L + Oxidation (M)
6122	1055 - 1068	522.2732	1563.7977	1563.7967	0.63	1	37	0.00081	1	U	R.KEWLVGMLGAESTK.L + Oxidation (M)
6123	1055 - 1068	522.2732	1563.7977	1563.7967	0.67	1	35	0.00098	1	U	R.KEWLVGMLGAESTK.L + Oxidation (M)
6124	1055 - 1068	782.9065	1563.7985	1563.7967	1.16	1	62	1.2e-05	1	U	R.KEWLVGMLGAESTK.L + Oxidation (M)
4717	1056 - 1068	474.2428	1419.7066	1419.7068	-0.11	0	28	0.012	1	U	K.EWLVGMLGAESTK.L
4718	1056 - 1068	710.8607	1419.7068	1419.7068	0.029	0	52	3.6e-05	1	U	K.EWLVGMLGAESTK.L
4724	1056 - 1068	710.8612	1419.7079	1419.7068	0.79	0	32	0.0034	1	U	K.EWLVGMLGAESTK.L
4726	1056 - 1068	710.8618	1419.7091	1419.7068	1.65	0	29	0.0018	1	U	K.EWLVGMLGAESTK.L
4865	1056 - 1068	718.8577	1435.7008	1435.7017	-0.63	0	37	0.0081	1	U	K.EWLVGMLGAESTK.L + Oxidation (M)
4866	1056 - 1068	718.8578	1435.7010	1435.7017	-0.51	0	39	0.0055	1	U	K.EWLVGMLGAESTK.L + Oxidation (M)
4867	1056 - 1068	718.8580	1435.7015	1435.7017	-0.15	0	32	0.044	1	U	K.EWLVGMLGAESTK.L + Oxidation (M)
4869	1056 - 1068	718.8580	1435.7015	1435.7017	-0.11	0	20	0.045	1	U	K.EWLVGMLGAESTK.L + Oxidation (M)
2088	1075 - 1083	538.3291	1074.6436	1074.6437	-0.055	1	27	0.0041	1	U	R.FILEKIQGK.I
3414	1092 - 1101	415.2443	1242.7110	1242.7118	-0.62	1	38	0.0061	1	U	K.KDLIQMLVQR.G
3415	1092 - 1101	622.3631	1242.7117	1242.7118	-0.064	1	54	0.00016	1	U	K.KDLIQMLVQR.G
3545	1092 - 1101	420.5761	1258.7065	1258.7067	-0.18	1	51	0.00042	1	U	K.KDLIQMLVQR.G + Oxidation (M)
3546	1092 - 1101	630.3607	1258.7069	1258.7067	0.11	1	40	0.0037	1	U	K.KDLIQMLVQR.G + Oxidation (M)
3547	1092 - 1101	420.5763	1258.7071	1258.7067	0.32	1	33	0.019	1	U	K.KDLIQMLVQR.G + Oxidation (M)
3548	1092 - 1101	630.3610	1258.7073	1258.7067	0.49	1	55	0.00019	1	U	K.KDLIQMLVQR.G + Oxidation (M)
3549	1092 - 1101	420.5769	1258.7088	1258.7067	1.63	1	41	0.0033	1	U	K.KDLIQMLVQR.G + Oxidation (M)
2423	1093 - 1101	558.3156	1114.6167	1114.6169	-0.13	0	58	8.4e-05	1	U	K.DLIQMLVQR.G
2424	1093 - 1101	558.3157	1114.6168	1114.6169	-0.022	0	51	0.00039	1	U	K.DLIQMLVQR.G
2425	1093 - 1101	558.3158	1114.6170	1114.6169	0.18	0	42	0.0034	1	U	K.DLIQMLVQR.G
2426	1093 - 1101	558.3158	1114.6171	1114.6169	0.21	0	48	0.00092	1	U	K.DLIQMLVQR.G
2577	1093 - 1101	566.3119	1130.6093	1130.6118	-2.21	0	35	0.014	1	U	K.DLIQMLVQR.G + Oxidation (M)
2578	1093 - 1101	566.3122	1130.6099	1130.6118	-1.67	0	48	0.001	1	U	K.DLIQMLVQR.G + Oxidation (M)
2579	1093 - 1101	566.3127	1130.6108	1130.6118	-0.83	0	24	0.049	1	U	K.DLIQMLVQR.G + Oxidation (M)
2580	1093 - 1101	566.3129	1130.6112	1130.6118	-0.46	0	32	0.038	1	U	K.DLIQMLVQR.G + Oxidation (M)
2581	1093 - 1101	566.3130	1130.6115	1130.6118	-0.25	0	44	0.0013	1	U	K.DLIQMLVQR.G + Oxidation (M)

Query	Start - End	Observed	Mr(expt)	Mr(calc)	ppm	M	Score	Expect	Rank	U	Peptide
2582	1093 - 1101	566.3132	1130.6119	1130.6118	0.12	0	31	0.015	1	U	K.DLIQMLVQR.G + Oxidation (M)
2583	1093 - 1101	566.3132	1130.6119	1130.6118	0.14	0	48	0.00081	1	U	K.DLIQMLVQR.G + Oxidation (M)
2584	1093 - 1101	566.3133	1130.6120	1130.6118	0.17	0	44	0.0025	1	U	K.DLIQMLVQR.G + Oxidation (M)
2585	1093 - 1101	566.3133	1130.6120	1130.6118	0.19	0	48	0.00061	1	U	K.DLIQMLVQR.G + Oxidation (M)
2586	1093 - 1101	566.3133	1130.6121	1130.6118	0.26	0	51	0.00039	1	U	K.DLIQMLVQR.G + Oxidation (M)
2587	1093 - 1101	566.3133	1130.6121	1130.6118	0.28	0	33	0.016	1	U	K.DLIQMLVQR.G + Oxidation (M)
2589	1093 - 1101	566.3134	1130.6122	1130.6118	0.39	0	51	0.00035	1	U	K.DLIQMLVQR.G + Oxidation (M)
2590	1093 - 1101	566.3134	1130.6122	1130.6118	0.42	0	42	0.0025	1	U	K.DLIQMLVQR.G + Oxidation (M)
2591	1093 - 1101	566.3134	1130.6123	1130.6118	0.49	0	45	0.00074	1	U	K.DLIQMLVQR.G + Oxidation (M)
796	1102 - 1109	447.7138	893.4130	893.4131	-0.030	0	46	8.3e-05	1	U	R.GYESDPVK.A
797	1102 - 1109	447.7138	893.4130	893.4131	-0.030	0	23	0.012	1	U	R.GYESDPVK.A
1398	1157 - 1164	494.2895	986.5644	986.5648	-0.39	1	41	0.0042	1	U	K.EKVEELIK.Q
1400	1157 - 1164	494.2898	986.5649	986.5648	0.18	1	35	0.016	2	U	K.EKVEELIK.Q
2191	1170 - 1178	543.8042	1085.5939	1085.5941	-0.19	2	39	0.0063	1	U	K.GREVNDLKR.K
2192	1170 - 1178	362.8721	1085.5945	1085.5941	0.37	2	34	0.021	1	U	K.GREVNDLKR.K
1226	1179 - 1186	480.7616	959.5087	959.5076	1.16	1	28	0.04	1		R.KSPSDLWK.E
4455	1187 - 1198	689.8400	1377.6655	1377.6664	-0.64	0	52	0.00011	1	U	K.EDLAAFVEELDK.V
4457	1187 - 1198	689.8403	1377.6661	1377.6664	-0.16	0	33	0.0092	1	U	K.EDLAAFVEELDK.V
4458	1187 - 1198	689.8404	1377.6662	1377.6664	-0.075	0	57	4.3e-05	1	U	K.EDLAAFVEELDK.V
4459	1187 - 1198	689.8411	1377.6676	1377.6664	0.88	0	37	0.0023	1	U	K.EDLAAFVEELDK.V
4460	1187 - 1198	689.8412	1377.6678	1377.6664	1.03	0	48	0.0014	1	U	K.EDLAAFVEELDK.V
9493	1187 - 1204	703.0100	2106.0083	2106.0117	-1.58	1	37	0.0051	1	U	K.EDLAAFVEELDKVESQER.E
9494	1187 - 1204	1054.0120	2106.0094	2106.0117	-1.09	1	56	8.1e-06	1	U	K.EDLAAFVEELDKVESQER.E
9495	1187 - 1204	1054.0121	2106.0096	2106.0117	-0.99	1	91	1.7e-08	1	U	K.EDLAAFVEELDKVESQER.E
9496	1187 - 1204	1054.0126	2106.0106	2106.0117	-0.51	1	52	6.7e-05	1	U	K.EDLAAFVEELDKVESQER.E
9497	1187 - 1204	1054.0126	2106.0107	2106.0117	-0.46	1	52	5.4e-05	1	U	K.EDLAAFVEELDKVESQER.E
9498	1187 - 1204	1054.0128	2106.0109	2106.0117	-0.34	1	76	2.1e-07	1	U	K.EDLAAFVEELDKVESQER.E
9499	1187 - 1204	703.0110	2106.0113	2106.0117	-0.16	1	47	0.00065	1	U	K.EDLAAFVEELDKVESQER.E
9500	1187 - 1204	1054.0130	2106.0114	2106.0117	-0.11	1	51	5.4e-05	1	U	K.EDLAAFVEELDKVESQER.E
9501	1187 - 1204	703.0111	2106.0114	2106.0117	-0.10	1	36	0.0034	1	U	K.EDLAAFVEELDKVESQER.E
9502	1187 - 1204	703.0111	2106.0115	2106.0117	-0.088	1	34	0.01	1	U	K.EDLAAFVEELDKVESQER.E
9503	1187 - 1204	703.0112	2106.0117	2106.0117	0.040	1	51	0.00049	1	U	K.EDLAAFVEELDKVESQER.E
9504	1187 - 1204	703.0113	2106.0120	2106.0117	0.15	1	45	0.00082	1	U	K.EDLAAFVEELDKVESQER.E
9505	1187 - 1204	1054.0133	2106.0121	2106.0117	0.20	1	46	8.9e-05	1	U	K.EDLAAFVEELDKVESQER.E
9506	1187 - 1204	1054.0133	2106.0121	2106.0117	0.20	1	72	1.5e-06	1	U	K.EDLAAFVEELDKVESQER.E
9507	1187 - 1204	703.0113	2106.0122	2106.0117	0.24	1	51	0.00012	1	U	K.EDLAAFVEELDKVESQER.E
9508	1187 - 1204	703.0113	2106.0122	2106.0117	0.25	1	38	0.004	1	U	K.EDLAAFVEELDKVESQER.E
9510	1187 - 1204	703.0114	2106.0123	2106.0117	0.28	1	37	0.0043	1	U	K.EDLAAFVEELDKVESQER.E
9511	1187 - 1204	703.0114	2106.0123	2106.0117	0.32	1	29	0.009	1	U	K.EDLAAFVEELDKVESQER.E
9512	1187 - 1204	1054.0134	2106.0123	2106.0117	0.33	1	75	3.9e-07	1	U	K.EDLAAFVEELDKVESQER.E
9513	1187 - 1204	703.0114	2106.0124	2106.0117	0.34	1	30	0.01	1	U	K.EDLAAFVEELDKVESQER.E
9514	1187 - 1204	1054.0135	2106.0124	2106.0117	0.35	1	34	0.0031	1	U	K.EDLAAFVEELDKVESQER.E
9515	1187 - 1204	703.0115	2106.0126	2106.0117	0.47	1	29	0.023	1	U	K.EDLAAFVEELDKVESQER.E
9517	1187 - 1204	703.0119	2106.0139	2106.0117	1.08	1	26	0.017	1	U	K.EDLAAFVEELDKVESQER.E
9518	1187 - 1204	1054.0150	2106.0155	2106.0117	1.83	1	60	1e-05	1	U	K.EDLAAFVEELDKVESQER.E
9519	1187 - 1204	1054.0155	2106.0165	2106.0117	2.31	1	46	0.00019	1	U	K.EDLAAFVEELDKVESQER.E
11909	1187 - 1214	1032.1681	3093.4824	3093.4812	0.41	2	67	1.6e-05	1	U	K.EDLAAFVEELDKVESQEREDVLAGMSGK.A
11959	1187 - 1214	1037.4987	3109.4743	3109.4761	-0.57	2	64	2.9e-05	1	U	K.EDLAAFVEELDKVESQEREDVLAGMSGK.A + Oxidation (M)
11960	1187 - 1214	1037.4990	3109.4753	3109.4761	-0.25	2	36	0.0026	1	U	K.EDLAAFVEELDKVESQEREDVLAGMSGK.A + Oxidation (M)
11964	1187 - 1214	1037.5004	3109.4793	3109.4761	1.03	2	37	0.0024	1	U	K.EDLAAFVEELDKVESQEREDVLAGMSGK.A + Oxidation (M)
7446	1199 - 1214	578.9492	1733.8258	1733.8254	0.22	1	30	0.041	1	U	K.VESQEREDVLAGMSGK.A
7447	1199 - 1214	867.9204	1733.8261	1733.8254	0.43	1	57	2.7e-05	1	U	K.VESQEREDVLAGMSGK.A
7570	1199 - 1214	584.2806	1749.8201	1749.8203	-0.13	1	38	0.0028	1	U	K.VESQEREDVLAGMSGK.A + Oxidation (M)
7572	1199 - 1214	875.9176	1749.8206	1749.8203	0.16	1	56	6.3e-05	1	U	K.VESQEREDVLAGMSGK.A + Oxidation (M)
7573	1199 - 1214	875.9180	1749.8214	1749.8203	0.64	1	62	4.2e-05	1	U	K.VESQEREDVLAGMSGK.A + Oxidation (M)
1531	1205 - 1214	503.7475	1005.4805	1005.4801	0.40	0	59	2e-05	1	U	R.EDVLAGMSGK.A
1651	1205 - 1214	511.7440	1021.4735	1021.4750	-1.51	0	54	0.00013	1	U	R.EDVLAGMSGK.A + Oxidation (M)
1652	1205 - 1214	511.7448	1021.4750	1021.4750	-0.018	0	52	0.00014	1	U	R.EDVLAGMSGK.A + Oxidation (M)
1653	1205 - 1214	511.7448	1021.4750	1021.4750	0.022	0	56	8.6e-05	1	U	R.EDVLAGMSGK.A + Oxidation (M)
1654	1205 - 1214	511.7448	1021.4751	1021.4750	0.14	0	47	0.00042	1	U	R.EDVLAGMSGK.A + Oxidation (M)
1655	1205 - 1214	511.7449	1021.4752	1021.4750	0.18	0	54	8.7e-05	1	U	R.EDVLAGMSGK.A + Oxidation (M)
1656	1205 - 1214	511.7449	1021.4752	1021.4750	0.22	0	54	9.8e-05	1	U	R.EDVLAGMSGK.A + Oxidation (M)
1657	1205 - 1214	511.7452	1021.4759	1021.4750	0.90	0	49	0.00027	1	U	R.EDVLAGMSGK.A + Oxidation (M)
6727	1227 - 1240	824.9219	1647.8293	1647.8290	0.19	1	88	2.4e-08	1	U	K.KLQLEETMPSPYGR.R
6836	1227 - 1240	832.9187	1663.8228	1663.8239	-0.66	1	71	4.7e-07	1	U	K.KLQLEETMPSPYGR.R + Oxidation (M)
6837	1227 - 1240	555.6151	1663.8235	1663.8239	-0.24	1	27	0.0066	1	U	K.KLQLEETMPSPYGR.R + Oxidation (M)
6838	1227 - 1240	555.6152	1663.8237	1663.8239	-0.15	1	29	0.0061	1	U	K.KLQLEETMPSPYGR.R

Query	Start – End	Observed	Mr(expt)	Mr(calc)	ppm	M	Score	Expect	Rank	U	Peptide
											+ Oxidation (M)
6839	1227 – 1240	832.9191	1663.8237	1663.8239	-0.13	1	76	1.4e-06	1	U	K.KLQLEETMPSPYGR.R + Oxidation (M)
6840	1227 – 1240	555.6152	1663.8238	1663.8239	-0.094	1	29	0.016	1	U	K.KLQLEETMPSPYGR.R + Oxidation (M)
6842	1227 – 1240	555.6153	1663.8240	1663.8239	0.068	1	28	0.0073	1	U	K.KLQLEETMPSPYGR.R + Oxidation (M)
6843	1227 – 1240	832.9194	1663.8242	1663.8239	0.19	1	59	8.7e-06	1	U	K.KLQLEETMPSPYGR.R + Oxidation (M)
6844	1227 – 1240	832.9194	1663.8243	1663.8239	0.23	1	55	1.3e-05	1	U	K.KLQLEETMPSPYGR.R + Oxidation (M)
6845	1227 – 1240	832.9197	1663.8249	1663.8239	0.59	1	65	1.8e-06	1	U	K.KLQLEETMPSPYGR.R + Oxidation (M)
6846	1227 – 1240	832.9197	1663.8249	1663.8239	0.60	1	75	3.9e-07	1	U	K.KLQLEETMPSPYGR.R + Oxidation (M)
6847	1227 – 1240	832.9199	1663.8252	1663.8239	0.76	1	66	2.7e-06	1	U	K.KLQLEETMPSPYGR.R + Oxidation (M)
5662	1228 – 1240	760.8741	1519.7337	1519.7341	-0.23	0	62	6.5e-06	1	U	K.LQLEETMPSPYGR.R
5663	1228 – 1240	507.5853	1519.7341	1519.7341	0.011	0	34	0.0015	1	U	K.LQLEETMPSPYGR.R
5664	1228 – 1240	760.8749	1519.7352	1519.7341	0.77	0	55	2.2e-05	1	U	K.LQLEETMPSPYGR.R
5665	1228 – 1240	760.8757	1519.7368	1519.7341	1.82	0	41	0.00075	1	U	K.LQLEETMPSPYGR.R
5842	1228 – 1240	768.8707	1535.7269	1535.7290	-1.34	0	21	0.016	1	U	K.LQLEETMPSPYGR.R + Oxidation (M)
5843	1228 – 1240	768.8714	1535.7282	1535.7290	-0.49	0	60	1.1e-05	1	U	K.LQLEETMPSPYGR.R + Oxidation (M)
5844	1228 – 1240	768.8714	1535.7283	1535.7290	-0.45	0	57	2.5e-05	1	U	K.LQLEETMPSPYGR.R + Oxidation (M)
5845	1228 – 1240	768.8716	1535.7286	1535.7290	-0.24	0	64	2.9e-06	1	U	K.LQLEETMPSPYGR.R + Oxidation (M)
5846	1228 – 1240	768.8718	1535.7289	1535.7290	-0.016	0	84	5.6e-08	1	U	K.LQLEETMPSPYGR.R + Oxidation (M)
5847	1228 – 1240	768.8720	1535.7293	1535.7290	0.24	0	56	1.3e-05	1	U	K.LQLEETMPSPYGR.R + Oxidation (M)
2928	1241 – 1250	586.3471	1170.6797	1170.6794	0.21	1	42	0.0005	1	U	R.RIIPEITAMK.A
2929	1241 – 1250	391.2339	1170.6798	1170.6794	0.35	1	41	0.0014	1	U	R.RIIPEITAMK.A
2930	1241 – 1250	586.3472	1170.6799	1170.6794	0.44	1	20	0.037	1	U	R.RIIPEITAMK.A
3028	1241 – 1250	396.5650	1186.6733	1186.6743	-0.86	1	37	0.0011	1	U	R.RIIPEITAMK.A + Oxidation (M)
3029	1241 – 1250	396.5651	1186.6734	1186.6743	-0.76	1	16	0.034	1	U	R.RIIPEITAMK.A + Oxidation (M)
3030	1241 – 1250	594.3440	1186.6735	1186.6743	-0.71	1	33	0.00077	1	U	R.RIIPEITAMK.A + Oxidation (M)
3031	1241 – 1250	594.3444	1186.6743	1186.6743	-0.067	1	37	0.00075	1	U	R.RIIPEITAMK.A + Oxidation (M)
3032	1241 – 1250	594.3445	1186.6744	1186.6743	0.068	1	43	0.00021	1	U	R.RIIPEITAMK.A + Oxidation (M)
3033	1241 – 1250	396.5654	1186.6744	1186.6743	0.072	1	15	0.04	1	U	R.RIIPEITAMK.A + Oxidation (M)
3034	1241 – 1250	594.3445	1186.6745	1186.6743	0.15	1	49	4.3e-05	1	U	R.RIIPEITAMK.A + Oxidation (M)
1724	1242 – 1250	516.2934	1030.5723	1030.5732	-0.93	0	51	0.00021	1	U	R.IIPEITAMK.A + Oxidation (M)
2703	1261 – 1271	573.3292	1144.6439	1144.6452	-1.07	2	59	6.1e-05	1	U	K.KKGDLDTAAVK.V
1627	1262 – 1271	509.2820	1016.5495	1016.5502	-0.74	1	61	5.2e-05	1	U	K.KGDLDTAAVK.V
1628	1262 – 1271	509.2821	1016.5497	1016.5502	-0.54	1	32	0.041	1	U	K.KGDLDTAAVK.V
1629	1262 – 1271	509.2826	1016.5506	1016.5502	0.40	1	48	0.0008	1	U	K.KGDLDTAAVK.V
1630	1262 – 1271	509.2826	1016.5506	1016.5502	0.42	1	45	0.0017	1	U	K.KGDLDTAAVK.V
1631	1262 – 1271	509.2826	1016.5507	1016.5502	0.46	1	54	0.00023	1	U	K.KGDLDTAAVK.V
783	1263 – 1271	445.2348	888.4550	888.4553	-0.24	0	46	0.0016	1	U	K.GDLDTAAVK.V
11397	1272 – 1299	973.4679	2917.3820	2917.3869	-1.68	0	38	0.0012	1	U	K.VEFDEEFSGAPVEGAGEEALTPSVPINK.G
11398	1272 – 1299	973.4688	2917.3847	2917.3869	-0.76	0	32	0.0041	1	U	K.VEFDEEFSGAPVEGAGEEALTPSVPINK.G
11399	1272 – 1299	973.4689	2917.3848	2917.3869	-0.71	0	49	0.00022	1	U	K.VEFDEEFSGAPVEGAGEEALTPSVPINK.G
11400	1272 – 1299	973.4690	2917.3852	2917.3869	-0.58	0	50	0.00025	1	U	K.VEFDEEFSGAPVEGAGEEALTPSVPINK.G
11402	1272 – 1299	973.4692	2917.3859	2917.3869	-0.36	0	56	5e-05	1	U	K.VEFDEEFSGAPVEGAGEEALTPSVPINK.G
11407	1272 – 1299	973.4694	2917.3864	2917.3869	-0.16	0	40	0.00093	1	U	K.VEFDEEFSGAPVEGAGEEALTPSVPINK.G
11408	1272 – 1299	973.4695	2917.3866	2917.3869	-0.089	0	33	0.0047	1	U	K.VEFDEEFSGAPVEGAGEEALTPSVPINK.G
11411	1272 – 1299	973.4697	2917.3874	2917.3869	0.16	0	22	0.031	1	U	K.VEFDEEFSGAPVEGAGEEALTPSVPINK.G
11412	1272 – 1299	973.4698	2917.3876	2917.3869	0.24	0	28	0.016	1	U	K.VEFDEEFSGAPVEGAGEEALTPSVPINK.G
11414	1272 – 1299	973.4699	2917.3878	2917.3869	0.32	0	40	0.0092	1	U	K.VEFDEEFSGAPVEGAGEEALTPSVPINK.G
11416	1272 – 1299	973.4701	2917.3884	2917.3869	0.52	0	62	1.2e-05	1	U	K.VEFDEEFSGAPVEGAGEEALTPSVPINK.G
11417	1272 – 1299	973.4702	2917.3889	2917.3869	0.68	0	34	0.0018	1	U	K.VEFDEEFSGAPVEGAGEEALTPSVPINK.G
11420	1272 – 1299	973.4704	2917.3894	2917.3869	0.86	0	33	0.029	1	U	K.VEFDEEFSGAPVEGAGEEALTPSVPINK.G
11421	1272 – 1299	730.3547	2917.3897	2917.3869	0.97	0	43	0.0085	1	U	K.VEFDEEFSGAPVEGAGEEALTPSVPINK.G
11423	1272 – 1299	973.4711	2917.3915	2917.3869	1.57	0	44	0.00077	1	U	K.VEFDEEFSGAPVEGAGEEALTPSVPINK.G
3047	1316 – 1327	396.8909	1187.6508	1187.6510	-0.20	1	31	0.023	1	U	R.KTPTSSGKPSAK.K
3048	1316 – 1327	396.8909	1187.6509	1187.6510	-0.096	1	28	0.016	1	U	R.KTPTSSGKPSAK.K
3050	1316 – 1327	396.8909	1187.6510	1187.6510	0.0051	1	40	0.0023	1	U	R.KTPTSSGKPSAK.K
3051	1316 – 1327	594.8329	1187.6513	1187.6510	0.25	1	53	0.00035	1	U	R.KTPTSSGKPSAK.K
3052	1316 – 1327	594.8330	1187.6514	1187.6510	0.34	1	34	0.0066	1	U	R.KTPTSSGKPSAK.K
3614	1316 – 1327	634.8160	1267.6175	1267.6173	0.17	1	46	0.0011	1	U	R.KTPTSSGKPSAK.K + Phospho (ST)
1958	1317 – 1327	530.7853	1059.5561	1059.5560	0.074	0	27	0.0082	1	U	K.TPTSSGKPSAK.K
1959	1317 – 1327	530.7854	1059.5562	1059.5560	0.19	0	43	0.00082	1	U	K.TPTSSGKPSAK.K
11390	1332 – 1356	729.3481	2913.3633	2913.3628	0.16	2	32	0.034	1	U	K.RNPWSDDESKSESDLEETEPVVIPR.D
11391	1332 – 1356	972.1286	2913.3639	2913.3628	0.36	2	73	3.3e-07	1	U	K.RNPWSDDESKSESDLEETEPVVIPR.D
11392	1332 – 1356	729.3485	2913.3650	2913.3628	0.75	2	30	0.0099	1	U	K.RNPWSDDESKSESDLEETEPVVIPR.D
11698	1332 – 1356	998.7837	2993.3292	2993.3291	0.022	2	63	2.4e-05	1	U	K.RNPWSDDESKSESDLEETEPVVIPR.D + Phospho (ST)
11699	1332 – 1356	998.7838	2993.3297	2993.3291	0.20	2	63	1e-05	1	U	K.RNPWSDDESKSESDLEETEPVVIPR.D + Phospho (ST)
2097	1333 – 1341	539.2279	1076.4412	1076.4411	0.14	0	37	0.0012	1	U	R.NPWSDDESK.S

Query	Start - End	Observed	Mr(expt)	Mr(calc)	ppm	M	Score	Expect	Rank	U	Peptide
11130	1333 - 1356	920.0933	2757.2580	2757.2617	-1.32	1	40	0.017	1	U	R.NPWSDDESKSESDLEETEPVVIPR.D
11131	1333 - 1356	920.0943	2757.2612	2757.2617	-0.19	1	76	2.9e-06	1	U	R.NPWSDDESKSESDLEETEPVVIPR.D
11292	1333 - 1356	946.7496	2837.2270	2837.2280	-0.37	1	59	0.00013	1	U	R.NPWSDDESKSESDLEETEPVVIPR.D + Phospho (ST)
11293	1333 - 1356	946.7497	2837.2272	2837.2280	-0.30	1	46	0.0012	1	U	R.NPWSDDESKSESDLEETEPVVIPR.D + Phospho (ST)
11294	1333 - 1356	946.7503	2837.2291	2837.2280	0.38	1	43	0.0038	1	U	R.NPWSDDESKSESDLEETEPVVIPR.D + Phospho (ST)
7173	1342 - 1356	850.4231	1698.8316	1698.8312	0.24	0	89	1.1e-07	1	U	K.SESDLEETEPVVIPR.D
7749	1342 - 1356	890.4108	1778.8070	1778.7975	5.36	0	38	0.019	1	U	K.SESDLEETEPVVIPR.D + Phospho (ST)
139	1363 - 1369	371.7141	741.4136	741.4133	0.47	0	32	0.0049	1	U	R.AAAERPK.Y
12250	1370 - 1396	1076.7357	3227.1852	3227.1858	-0.21	0	46	0.00021	1	U	K.YTFDFSEEEDDDADDDDDDNNDLEELK.V
12251	1370 - 1396	1076.7358	3227.1855	3227.1858	-0.096	0	62	3.7e-06	1	U	K.YTFDFSEEEDDDADDDDDDNNDLEELK.V
10301	1397 - 1418	805.0321	2412.0744	2412.0734	0.44	1	42	0.00069	1	U	K.VKASPITNDGEDEFVPSDGLDK.D + Phospho (ST)
10302	1397 - 1418	805.0322	2412.0748	2412.0734	0.60	1	37	0.0022	1	U	K.VKASPITNDGEDEFVPSDGLDK.D + Phospho (ST)
12656	1397 - 1427	1146.5148	3436.5225	3436.5236	-0.32	2	77	2.6e-06	1	U	K.VKASPITNDGEDEFVPSDGLDKDEYTFSPGK.S + Phospho (ST)
12657	1397 - 1427	860.1381	3436.5233	3436.5236	-0.088	2	69	2.9e-05	1	U	K.VKASPITNDGEDEFVPSDGLDKDEYTFSPGK.S + Phospho (ST)
12658	1397 - 1427	860.1381	3436.5233	3436.5236	-0.088	2	57	5.3e-05	1	U	K.VKASPITNDGEDEFVPSDGLDKDEYTFSPGK.S + Phospho (ST)
12659	1397 - 1427	1146.5152	3436.5239	3436.5236	0.11	2	77	1.1e-06	1	U	K.VKASPITNDGEDEFVPSDGLDKDEYTFSPGK.S + Phospho (ST)
12660	1397 - 1427	860.1383	3436.5239	3436.5236	0.11	2	41	0.0089	1	U	K.VKASPITNDGEDEFVPSDGLDKDEYTFSPGK.S + Phospho (ST)
12661	1397 - 1427	860.1386	3436.5251	3436.5236	0.46	2	46	0.0019	1	U	K.VKASPITNDGEDEFVPSDGLDKDEYTFSPGK.S + Phospho (ST)
12662	1397 - 1427	1146.5198	3436.5377	3436.5236	4.10	2	30	0.021	1	U	K.VKASPITNDGEDEFVPSDGLDKDEYTFSPGK.S + Phospho (ST)
9484	1399 - 1418	1053.4792	2104.9439	2104.9437	0.089	0	69	2.5e-06	1	U	K.ASPITNDGEDEFVPSDGLDK.D
12036	1399 - 1427	1044.1375	3129.3908	3129.3939	-0.98	1	71	5.4e-06	1	U	K.ASPITNDGEDEFVPSDGLDKDEYTFSPGK.S
12037	1399 - 1427	1044.1384	3129.3933	3129.3939	-0.18	1	29	0.021	1	U	K.ASPITNDGEDEFVPSDGLDKDEYTFSPGK.S
12038	1399 - 1427	1044.1384	3129.3933	3129.3939	-0.18	1	80	2.9e-07	1	U	K.ASPITNDGEDEFVPSDGLDKDEYTFSPGK.S
12039	1399 - 1427	783.3558	3129.3943	3129.3939	0.14	1	34	0.014	1	U	K.ASPITNDGEDEFVPSDGLDKDEYTFSPGK.S
12041	1399 - 1427	1044.1393	3129.3960	3129.3939	0.67	1	58	5.4e-05	1	U	K.ASPITNDGEDEFVPSDGLDKDEYTFSPGK.S
12043	1399 - 1427	1044.1399	3129.3978	3129.3939	1.25	1	73	4.4e-06	1	U	K.ASPITNDGEDEFVPSDGLDKDEYTFSPGK.S
12215	1399 - 1427	1070.7933	3209.3581	3209.3602	-0.66	1	72	6.5e-06	1	U	K.ASPITNDGEDEFVPSDGLDKDEYTFSPGK.S + Phospho (ST)
12216	1399 - 1427	1070.7940	3209.3602	3209.3602	0.015	1	33	0.031	1	U	K.ASPITNDGEDEFVPSDGLDKDEYTFSPGK.S + Phospho (ST)
1796	1419 - 1427	522.2377	1042.4608	1042.4607	0.047	0	36	0.003	1	U	K.DEYTFSPGK.S
9055	1440 - 1456	990.4784	1978.9423	1978.9425	-0.072	1	84	1.5e-07	1	U	K.KSQDFGNLFSFPSYSQK.S
8336	1441 - 1456	926.4306	1850.8467	1850.8475	-0.42	0	67	4.7e-07	1	U	K.SQDFGNLFSFPSYSQK.S
8337	1441 - 1456	617.9563	1850.8472	1850.8475	-0.20	0	23	0.019	1	U	K.SQDFGNLFSFPSYSQK.S
8338	1441 - 1456	926.4311	1850.8477	1850.8475	0.10	0	60	3.5e-06	1	U	K.SQDFGNLFSFPSYSQK.S
8339	1441 - 1456	926.4312	1850.8479	1850.8475	0.21	0	87	9.9e-09	1	U	K.SQDFGNLFSFPSYSQK.S
8340	1441 - 1456	926.4313	1850.8480	1850.8475	0.28	0	65	1.6e-06	1	U	K.SQDFGNLFSFPSYSQK.S
8341	1441 - 1456	926.4314	1850.8482	1850.8475	0.37	0	49	3.8e-05	1	U	K.SQDFGNLFSFPSYSQK.S
8342	1441 - 1456	926.4314	1850.8483	1850.8475	0.44	0	40	0.00032	1	U	K.SQDFGNLFSFPSYSQK.S
8344	1441 - 1456	926.4318	1850.8491	1850.8475	0.86	0	74	1.1e-07	1	U	K.SQDFGNLFSFPSYSQK.S
8345	1441 - 1456	617.9570	1850.8491	1850.8475	0.87	0	55	6e-05	1	U	K.SQDFGNLFSFPSYSQK.S
8346	1441 - 1456	926.4320	1850.8493	1850.8475	0.98	0	60	2.5e-06	1	U	K.SQDFGNLFSFPSYSQK.S
8347	1441 - 1456	926.4324	1850.8502	1850.8475	1.42	0	60	2.4e-06	1	U	K.SQDFGNLFSFPSYSQK.S
8348	1441 - 1456	926.4340	1850.8535	1850.8475	3.21	0	65	2.7e-06	1	U	K.SQDFGNLFSFPSYSQK.S
11176	1457 - 1482	932.4094	2794.2064	2794.2093	-1.05	1	35	0.0042	1	U	K.SEDDSAKFDSNEEDSASVFSPSFGLK.Q
11177	1457 - 1482	932.4099	2794.2080	2794.2093	-0.49	1	67	2.4e-06	1	U	K.SEDDSAKFDSNEEDSASVFSPSFGLK.Q
11179	1457 - 1482	699.5595	2794.2089	2794.2093	-0.14	1	34	0.016	1	U	K.SEDDSAKFDSNEEDSASVFSPSFGLK.Q
11180	1457 - 1482	932.4103	2794.2090	2794.2093	-0.12	1	71	7.4e-07	1	U	K.SEDDSAKFDSNEEDSASVFSPSFGLK.Q
11181	1457 - 1482	932.4105	2794.2098	2794.2093	0.16	1	75	8.4e-07	1	U	K.SEDDSAKFDSNEEDSASVFSPSFGLK.Q
11183	1457 - 1482	932.4108	2794.2106	2794.2093	0.46	1	60	2.3e-05	1	U	K.SEDDSAKFDSNEEDSASVFSPSFGLK.Q
11184	1457 - 1482	699.5609	2794.2145	2794.2093	1.86	1	29	0.018	1	U	K.SEDDSAKFDSNEEDSASVFSPSFGLK.Q
11185	1457 - 1482	932.4129	2794.2170	2794.2093	2.73	1	27	0.013	1	U	K.SEDDSAKFDSNEEDSASVFSPSFGLK.Q
11345	1457 - 1482	959.0653	2874.1740	2874.1757	-0.56	1	25	0.026	1	U	K.SEDDSAKFDSNEEDSASVFSPSFGLK.Q + Phospho (ST)
11347	1457 - 1482	959.0659	2874.1759	2874.1757	0.085	1	36	0.0068	1	U	K.SEDDSAKFDSNEEDSASVFSPSFGLK.Q + Phospho (ST)
11348	1457 - 1482	959.0667	2874.1782	2874.1757	0.90	1	35	0.015	1	U	K.SEDDSAKFDSNEEDSASVFSPSFGLK.Q + Phospho (ST)
9320	1464 - 1482	1031.9623	2061.9100	2061.9167	-3.25	0	61	8e-06	1	U	K.FDSNEEDSASVFSPSFGLK.Q
9321	1464 - 1482	1031.9636	2061.9127	2061.9167	-1.97	0	91	2.4e-08	1	U	K.FDSNEEDSASVFSPSFGLK.Q
9322	1464 - 1482	1031.9651	2061.9156	2061.9167	-0.54	0	34	0.0023	1	U	K.FDSNEEDSASVFSPSFGLK.Q
9324	1464 - 1482	1031.9651	2061.9156	2061.9167	-0.53	0	62	3.3e-06	1	U	K.FDSNEEDSASVFSPSFGLK.Q
9325	1464 - 1482	1031.9651	2061.9157	2061.9167	-0.50	0	43	0.00021	1	U	K.FDSNEEDSASVFSPSFGLK.Q
9326	1464 - 1482	688.3126	2061.9159	2061.9167	-0.41	0	23	0.033	1	U	K.FDSNEEDSASVFSPSFGLK.Q
9328	1464 - 1482	1031.9654	2061.9162	2061.9167	-0.24	0	20	0.022	1	U	K.FDSNEEDSASVFSPSFGLK.Q
9329	1464 - 1482	1031.9655	2061.9165	2061.9167	-0.13	0	129	2.6e-12	1	U	K.FDSNEEDSASVFSPSFGLK.Q
9330	1464 - 1482	1031.9656	2061.9166	2061.9167	-0.051	0	68	2e-06	1	U	K.FDSNEEDSASVFSPSFGLK.Q
9331	1464 - 1482	1031.9656	2061.9166	2061.9167	-0.041	0	47	0.0005	1	U	K.FDSNEEDSASVFSPSFGLK.Q
9333	1464 - 1482	1031.9656	2061.9167	2061.9167	-0.022	0	35	0.0035	1	U	K.FDSNEEDSASVFSPSFGLK.Q
9335	1464 - 1482	1031.9656	2061.9167	2061.9167	-0.022	0	97	1.5e-09	1	U	K.FDSNEEDSASVFSPSFGLK.Q
9336	1464 - 1482	1031.9657	2061.9169	2061.9167	0.075	0	92	1.8e-08	1	U	K.FDSNEEDSASVFSPSFGLK.Q
9337	1464 - 1482	1031.9657	2061.9169	2061.9167	0.085	0	34	0.0014	1	U	K.FDSNEEDSASVFSPSFGLK.Q
9338	1464 - 1482	1031.9657	2061.9169	2061.9167	0.095	0	58	1.4e-05	1	U	K.FDSNEEDSASVFSPSFGLK.Q
9339	1464 - 1482	1031.9658	2061.9170	2061.9167	0.15	0	83	6.8e-08	1	U	K.FDSNEEDSASVFSPSFGLK.Q
9340	1464 - 1482	1031.9658	2061.9171	2061.9167	0.18	0	55	0.00011	1	U	K.FDSNEEDSASVFSPSFGLK.Q
9342	1464 - 1482	1031.9658	2061.9171	2061.9167	0.20	0	92	1.7e-08	1	U	K.FDSNEEDSASVFSPSFGLK.Q
9343	1464 - 1482	1031.9659	2061.9172	2061.9167	0.21	0	25	0.0068	1	U	K.FDSNEEDSASVFSPSFGLK.Q

Query	Start - End	Observed	Mr(expt)	Mr(calc)	ppm	M	Score	Expect	Rank	U	Peptide
9344	1464 - 1482	1031.9660	2061.9174	2061.9167	0.32	0	57	3.3e-05	1	U	K.FDSNEEDSASVFSPSFGLK.Q
9345	1464 - 1482	1031.9660	2061.9174	2061.9167	0.33	0	50	0.00041	1	U	K.FDSNEEDSASVFSPSFGLK.Q
9346	1464 - 1482	1031.9660	2061.9174	2061.9167	0.33	0	109	3.6e-10	1	U	K.FDSNEEDSASVFSPSFGLK.Q
9347	1464 - 1482	688.3132	2061.9176	2061.9167	0.43	0	51	0.00028	1	U	K.FDSNEEDSASVFSPSFGLK.Q
9348	1464 - 1482	688.3132	2061.9177	2061.9167	0.46	0	20	0.046	1	U	K.FDSNEEDSASVFSPSFGLK.Q
9349	1464 - 1482	1031.9664	2061.9183	2061.9167	0.77	0	86	3.8e-08	1	U	K.FDSNEEDSASVFSPSFGLK.Q
9602	1464 - 1482	1071.9476	2141.8805	2141.8831	-1.17	0	68	2.7e-06	1	U	K.FDSNEEDSASVFSPSFGLK.Q + Phospho (ST)
9603	1464 - 1482	1071.9482	2141.8818	2141.8831	-0.60	0	86	2.3e-07	1	U	K.FDSNEEDSASVFSPSFGLK.Q + Phospho (ST)
9604	1464 - 1482	1071.9485	2141.8825	2141.8831	-0.27	0	64	4.7e-06	1	U	K.FDSNEEDSASVFSPSFGLK.Q + Phospho (ST)
4376	1496 - 1508	456.9329	1367.7768	1367.7773	-0.37	1	40	0.0011	1	U	K.KGKPSSDTVPKPK.R
4377	1496 - 1508	684.8958	1367.7770	1367.7773	-0.15	1	54	5.1e-05	1	U	K.KGKPSSDTVPKPK.R
3386	1497 - 1508	620.8479	1239.6812	1239.6823	-0.89	0	50	7.7e-05	1	U	K.GKPSSDTVPKPK.R
3388	1497 - 1508	620.8481	1239.6817	1239.6823	-0.51	0	37	0.0012	1	U	K.GKPSSDTVPKPK.R
3393	1497 - 1508	414.2349	1239.6828	1239.6823	0.42	0	48	0.00046	1	U	K.GKPSSDTVPKPK.R
3394	1497 - 1508	414.2350	1239.6832	1239.6823	0.75	0	31	0.0099	1	U	K.GKPSSDTVPKPK.R
4063	1497 - 1508	440.8899	1319.6478	1319.6486	-0.64	0	23	0.034	1	U	K.GKPSSDTVPKPK.R + Phospho (ST)
8780	1515 - 1532	640.9893	1919.9461	1919.9476	-0.80	1	47	0.00026	1	U	K.KVVEAVNSDSDSEFGIPK.K
8782	1515 - 1532	960.9814	1919.9482	1919.9476	0.29	1	90	4.4e-09	1	U	K.KVVEAVNSDSDSEFGIPK.K
9116	1515 - 1532	667.6446	1999.9120	1999.9140	-0.96	1	35	0.0037	1	U	K.KVVEAVNSDSDSEFGIPK.K + Phospho (ST)
9118	1515 - 1532	667.6452	1999.9139	1999.9140	-0.047	1	39	0.0013	1	U	K.KVVEAVNSDSDSEFGIPK.K + Phospho (ST)
9119	1515 - 1532	1000.9650	1999.9155	1999.9140	0.77	1	49	0.00017	1	U	K.KVVEAVNSDSDSEFGIPK.K + Phospho (ST)
7879	1516 - 1532	896.9335	1791.8524	1791.8527	-0.16	0	49	5.1e-05	1	U	K.VVEAVNSDSDSEFGIPK.K
7880	1516 - 1532	896.9337	1791.8529	1791.8527	0.14	0	67	1.2e-06	1	U	K.VVEAVNSDSDSEFGIPK.K
7881	1516 - 1532	896.9340	1791.8535	1791.8527	0.45	0	51	1.6e-05	1	U	K.VVEAVNSDSDSEFGIPK.K
8452	1516 - 1532	936.9165	1871.8185	1871.8190	-0.26	0	52	2.8e-05	1	U	K.VVEAVNSDSDSEFGIPK.K + Phospho (ST)
8453	1516 - 1532	936.9169	1871.8192	1871.8190	0.11	0	79	5.2e-08	1	U	K.VVEAVNSDSDSEFGIPK.K + Phospho (ST)
8454	1516 - 1532	936.9175	1871.8205	1871.8190	0.78	0	48	5.9e-05	1	U	K.VVEAVNSDSDSEFGIPK.K + Phospho (ST)
8111	1547 - 1562	606.2584	1815.7533	1815.7537	-0.18	2	47	0.00037	1	U	K.RKASGSENEGDYNPGR.K + Phospho (ST)
6257	1548 - 1562	790.8496	1579.6847	1579.6862	-0.99	1	35	0.0029	1	U	R.KASGSENEGDYNPGR.K
6795	1548 - 1562	830.8318	1659.6491	1659.6526	-2.06	1	22	0.02	1	U	R.KASGSENEGDYNPGR.K + Phospho (ST)
6797	1548 - 1562	830.8340	1659.6535	1659.6526	0.54	1	49	6.9e-05	1	U	R.KASGSENEGDYNPGR.K + Phospho (ST)
7490	1548 - 1562	870.8170	1739.6195	1739.6189	0.35	1	45	0.00034	1	U	R.KASGSENEGDYNPGR.K + 2 Phospho (ST)
7491	1548 - 1562	870.8181	1739.6216	1739.6189	1.56	1	30	0.0033	1	U	R.KASGSENEGDYNPGR.K + 2 Phospho (ST)
7223	1548 - 1563	570.2679	1707.7818	1707.7812	0.34	2	43	0.00047	1	U	R.KASGSENEGDYNPGRK.T
7817	1548 - 1563	596.9232	1787.7477	1787.7475	0.12	2	24	0.026	1	U	R.KASGSENEGDYNPGRK.T + Phospho (ST)
4984	1549 - 1562	726.8011	1451.5877	1451.5913	-2.47	0	32	0.0047	1	U	K.ASGSENEGDYNPGR.K
4985	1549 - 1562	484.8711	1451.5914	1451.5913	0.061	0	38	0.0014	1	U	K.ASGSENEGDYNPGR.K
4986	1549 - 1562	484.8711	1451.5916	1451.5913	0.19	0	26	0.009	1	U	K.ASGSENEGDYNPGR.K
4987	1549 - 1562	726.8031	1451.5916	1451.5913	0.19	0	62	1.7e-05	1	U	K.ASGSENEGDYNPGR.K
4988	1549 - 1562	726.8032	1451.5918	1451.5913	0.37	0	40	0.0029	1	U	K.ASGSENEGDYNPGR.K
4989	1549 - 1562	726.8032	1451.5918	1451.5913	0.37	0	40	0.00056	1	U	K.ASGSENEGDYNPGR.K
5818	1549 - 1562	766.7843	1531.5541	1531.5576	-2.28	0	45	0.0011	1	U	K.ASGSENEGDYNPGR.K + Phospho (ST)
5819	1549 - 1562	766.7845	1531.5545	1531.5576	-2.04	0	60	3.2e-05	1	U	K.ASGSENEGDYNPGR.K + Phospho (ST)
5820	1549 - 1562	766.7863	1531.5580	1531.5576	0.26	0	44	0.00026	1	U	K.ASGSENEGDYNPGR.K + Phospho (ST)
5821	1549 - 1562	766.7866	1531.5586	1531.5576	0.65	0	28	0.025	1	U	K.ASGSENEGDYNPGR.K + Phospho (ST)
5822	1549 - 1562	766.7867	1531.5589	1531.5576	0.83	0	30	0.0043	1	U	K.ASGSENEGDYNPGR.K + Phospho (ST)
6259	1549 - 1563	790.8505	1579.6864	1579.6862	0.10	1	59	4.9e-05	1	U	K.ASGSENEGDYNPGRK.T
6796	1549 - 1563	830.8339	1659.6532	1659.6526	0.37	1	31	0.043	1	U	K.ASGSENEGDYNPGRK.T + Phospho (ST)
6798	1549 - 1563	554.2251	1659.6535	1659.6526	0.58	1	36	0.0018	1	U	K.ASGSENEGDYNPGRK.T + Phospho (ST)
11470	1574 - 1599	979.7962	2936.3667	2936.3716	-1.67	1	32	0.0067	1	U	K.KTSFDQDSDVDIFPSDFPTEPPSLPR.T
11475	1574 - 1599	979.7970	2936.3691	2936.3716	-0.88	1	44	0.002	1	U	K.KTSFDQDSDVDIFPSDFPTEPPSLPR.T
11476	1574 - 1599	979.7970	2936.3692	2936.3716	-0.84	1	37	0.0035	1	U	K.KTSFDQDSDVDIFPSDFPTEPPSLPR.T
11478	1574 - 1599	979.7973	2936.3702	2936.3716	-0.50	1	34	0.01	1	U	K.KTSFDQDSDVDIFPSDFPTEPPSLPR.T
11482	1574 - 1599	979.7983	2936.3731	2936.3716	0.51	1	26	0.039	1	U	K.KTSFDQDSDVDIFPSDFPTEPPSLPR.T
11483	1574 - 1599	735.1006	2936.3733	2936.3716	0.57	1	30	0.035	1	U	K.KTSFDQDSDVDIFPSDFPTEPPSLPR.T
11226	1575 - 1599	937.0990	2808.2752	2808.2767	-0.53	0	25	0.04	1	U	K.TSFDQDSDVDIFPSDFPTEPPSLPR.T
11232	1575 - 1599	937.1001	2808.2784	2808.2767	0.61	0	24	0.032	1	U	K.TSFDQDSDVDIFPSDFPTEPPSLPR.T
9682	1609 - 1626	1086.9143	2171.8141	2171.8154	-0.59	0	44	8e-05	1	U	K.YFAESDEEEDDVDFAMFN.-
9684	1609 - 1626	1086.9145	2171.8144	2171.8154	-0.42	0	16	0.029	1	U	K.YFAESDEEEDDVDFAMFN.-
9686	1609 - 1626	1086.9150	2171.8155	2171.8154	0.062	0	24	0.026	1	U	K.YFAESDEEEDDVDFAMFN.-
9688	1609 - 1626	724.9461	2171.8165	2171.8154	0.53	0	42	0.0011	1	U	K.YFAESDEEEDDVDFAMFN.-
9735	1609 - 1626	1094.9107	2187.8068	2187.8103	-1.57	0	47	4.8e-05	1	U	K.YFAESDEEEDDVDFAMFN.- + Oxidation (M)
9736	1609 - 1626	1094.9109	2187.8073	2187.8103	-1.37	0	63	1.7e-05	1	U	K.YFAESDEEEDDVDFAMFN.- + Oxidation (M)
9737	1609 - 1626	1094.9123	2187.8100	2187.8103	-0.14	0	52	8.4e-05	1	U	K.YFAESDEEEDDVDFAMFN.- + Oxidation (M)
9739	1609 - 1626	1094.9125	2187.8104	2187.8103	0.053	0	26	0.0036	1	U	K.YFAESDEEEDDVDFAMFN.-

Query	Start - End	Observed	Mr(expt)	Mr(calc)	ppm	M	Score	Expect	Rank	U	Peptide
											+ Oxidation (M)
9741	1609 - 1626	1094.9130	2187.8115	2187.8103	0.55	0	27	0.0035	1	U	K.YFAESDEEEDDVDFAMFN.- + Oxidation (M)