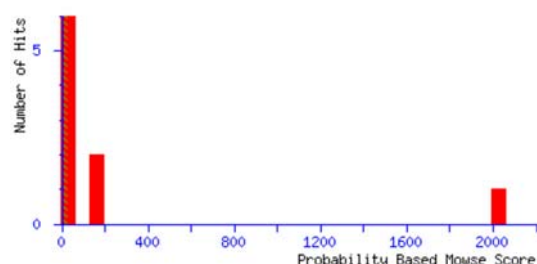


**Mascot Search Results**

User :  
Email :  
Search title :  
MS data file : C:\Dokumente und Einstellungen\Juliane\Eigene Dateien\Qtrap-files\Quantifizierung 01082008\MS2 IP Proben 3107  
Database : Sprot 51.6 (257964 sequences; 93947433 residues)  
Taxonomy : Rattus (5769 sequences)  
Timestamp : 19 Aug 2008 at 15:38:12 GMT  
Protein hits : [ANPRA\\_RAT](#) Atrial natriuretic peptide receptor A precursor (ANP-A) (ANPRA) (GC-A) (Guanylate cyclase) (EC 4.6.1.1) (NPR-A) (Atrial natriuretic peptide receptor A precursor) (Rattus norvegicus)  
[ANPRB\\_RAT](#) Atrial natriuretic peptide receptor B precursor (ANP-B) (ANPRB) (GC-B) (Guanylate cyclase B) (EC 4.6.1.2) (NPR-B) (Atrial natriuretic peptide receptor B precursor) (Rattus norvegicus)  
[K1C10\\_RAT](#) Keratin, type I cytoskeletal 10 (Cytokeratin-10) (CK-10) (Keratin-10) (K10) (KA10) - Rattus norvegicus  
[K2C4\\_RAT](#) Keratin, type II cytoskeletal 4 (Cytokeratin-4) (CK-4) (Keratin-4) (K4) (Type II keratin Kb4) - Rattus norvegicus  
[MPIP2\\_RAT](#) M-phase inducer phosphatase 2 (EC 3.1.3.48) (Dual specificity phosphatase Cdc25B) - Rattus norvegicus  
[GCA\\_RAT](#) Ig gamma-2A chain C region - Rattus norvegicus (Rat)  
[PHF5A\\_RAT](#) PHD finger-like domain-containing protein 5A (PHD finger-like domain protein 5A) (Splicing factor 3-like protein 1) (Rattus norvegicus)  
[SCN4A\\_RAT](#) Sodium channel protein type 4 subunit alpha (Sodium channel protein type IV subunit alpha) (Voltage-gated sodium channel subunit alpha 4) (Rattus norvegicus)  
[MMP2\\_RAT](#) 72 kDa type IV collagenase precursor (EC 3.4.24.24) (72 kDa gelatinase) (Matrix metalloproteinase-2) (Rattus norvegicus)

**Probability Based Mowse Score**

Ions score is  $-10 \cdot \log(P)$ , where P is the probability that the observed match is a random event.  
Individual ions scores > 24 indicate identity or extensive homology ( $p < 0.05$ ).  
Protein scores are derived from ions scores as a non-probabilistic basis for ranking protein hits.

**Peptide Summary Report**

Format As  [Help](#)

Significance threshold  $p < 0.05$  Max. number of hits

Standard scoring ☐ MudPIT scoring ☒ Ions score or expect cut-off  Show sub-sets

Show pop-ups ☒ Suppress pop-ups ☐ Sort unassigned  Require bold red ☐

☐ Error tolerant

1. [ANPRA\\_RAT](#) Mass: 119789 Score: 2026 Queries matched: 58 emPAI: 2.74  
Atrial natriuretic peptide receptor A precursor (ANP-A) (ANPRA) (GC-A) (Guanylate cyclase) (EC 4.6.1.2) (NPR-A) (Atrial natriuretic peptide receptor A precursor) (Rattus norvegicus)  
☐ Check to include this hit in error tolerant search or archive report

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Peptide
<input checked="" type="checkbox"/> 8	396.7400	791.4654	791.4211	0.0444	1	34	0.0082	1	R.KMQLEK.E + Oxidation (M)
<input checked="" type="checkbox"/> 14	409.2200	816.4254	816.4031	0.0223	0	31	0.017	1	R.FTAHWR.V
<input checked="" type="checkbox"/> 84	438.8000	875.5854	875.5480	0.0374	1	41	0.0016	1	R.KVLFLK.H
<input checked="" type="checkbox"/> 134	457.7500	913.4854	913.4869	-0.0014	0	43	0.00075	1	K.IHLSSEK.A
<input checked="" type="checkbox"/> 162	484.7500	967.4854	967.4611	0.0244	0	33	0.007	1	K.DEYALTR.T
<input checked="" type="checkbox"/> 170	491.2400	980.4654	980.4814	-0.0160	0	30	0.012	1	R.TQAYLEEK.R
<input checked="" type="checkbox"/> 172	497.2400	992.4654	992.4346	0.0309	0	59	1.8e-005	1	K.SSNCVVDGR.F
<input checked="" type="checkbox"/> 173	497.7200	993.4254	993.4437	-0.0182	0	(32)	0.0095	1	R.MESNGEALK.I + Oxidation (M)
<input checked="" type="checkbox"/> 174	497.7400	993.4654	993.4437	0.0218	0	34	0.007	1	R.MESNGEALK.I + Oxidation (M)
<input checked="" type="checkbox"/> 189	516.2800	1030.5454	1030.5447	0.0007	0	59	2.5e-005	1	K.ELVSELWR.V
<input checked="" type="checkbox"/> 194	519.2700	1036.5254	1036.5342	-0.0087	0	(39)	0.0021	1	R.TYWLLGER.G
<input checked="" type="checkbox"/> 195	519.2900	1036.5654	1036.5342	0.0313	0	40	0.0016	1	R.TYWLLGER.G
<input checked="" type="checkbox"/> 211	526.8100	1051.6054	1051.5550	0.0505	0	46	0.00041	1	R.YSLTNDIVK.G
<input checked="" type="checkbox"/> 251	536.8000	1071.5854	1071.6110	-0.0256	0	87	3.7e-008	1	R.MALALLDAVR.S
<input checked="" type="checkbox"/> 258	544.8000	1087.5854	1087.6059	-0.0205	0	(56)	4.2e-005	1	R.MALALLDAVR.S + Oxidation (M)
<input checked="" type="checkbox"/> 259	544.8100	1087.6054	1087.6059	-0.0005	0	(43)	0.00091	1	R.MALALLDAVR.S + Oxidation (M)
<input checked="" type="checkbox"/> 260	544.8400	1087.6654	1087.6059	0.0595	0	(53)	0.0001	1	R.MALALLDAVR.S + Oxidation (M)
<input checked="" type="checkbox"/> 264	548.3300	1094.6454	1094.6448	0.0007	0	87	2.8e-008	1	R.VGPAVELALAR.V
<input checked="" type="checkbox"/> 265	548.3300	1094.6454	1094.6448	0.0007	0	(69)	1.8e-006	1	R.VGPAVELALAR.V
<input checked="" type="checkbox"/> 267	549.8400	1097.6654	1097.6233	0.0421	0	37	0.0033	1	K.LWTAPELLR.M
<input checked="" type="checkbox"/> 268	550.3100	1098.6054	1098.5710	0.0345	0	67	2.7e-006	1	R.SFQGVGYLK.I
<input checked="" type="checkbox"/> 272	556.2900	1110.5654	1110.5418	0.0237	0	51	0.00011	1	R.DVQNEHLTR.F

<input type="checkbox"/>	<a href="#">286</a>	564.8200	1127.6254	1127.6087	0.0167	0	44	0.00075	1	K.LGDFVTALHR.R
<input type="checkbox"/>	<a href="#">337</a>	600.8000	1199.5854	1199.5822	0.0032	0	48	0.00026	1	K.ITDYGLESFR.D
<input type="checkbox"/>	<a href="#">348</a>	613.8600	1225.7054	1225.7183	-0.0128	1	38	0.0026	1	K.KLWTAPELLR.M
<input type="checkbox"/>	<a href="#">498</a>	680.3100	1358.6054	1358.6466	-0.0412	0	(36)	0.0039	1	R.WEDLQPSSLER.H
<input type="checkbox"/>	<a href="#">499</a>	680.3100	1358.6054	1358.6466	-0.0412	0	45	0.00045	1	R.WEDLQPSSLER.H
<input type="checkbox"/>	<a href="#">515</a>	690.8800	1379.7454	1379.7674	-0.0219	0	44	0.00067	1	K.ARPDLLPGWTVR.M
<input type="checkbox"/>	<a href="#">568</a>	734.8600	1467.7054	1467.6994	0.0060	0	34	0.0061	1	R.DPEPEQGHTLFAK.K
<input type="checkbox"/>	<a href="#">572</a>	737.8700	1473.7254	1473.7423	-0.0168	0	68	2.4e-006	1	K.ENSSNILDNLLSR.M
<input type="checkbox"/>	<a href="#">575</a>	738.9100	1475.8054	1475.9075	-0.1021	0	92	1.1e-008	1	R.VPLLTAGAPALGIGVK.D
<input type="checkbox"/>	<a href="#">586</a>	747.3700	1492.7254	1492.7085	0.0169	0	63	7.9e-006	1	K.EPDNPEYLEFLK.Q
<input type="checkbox"/>	<a href="#">591</a>	752.3300	1502.6454	1502.6824	-0.0369	0	74	6.7e-007	1	R.YCLFGDTVNTASR.M
<input type="checkbox"/>	<a href="#">594</a>	755.8900	1509.7654	1509.7715	-0.0061	0	79	1.9e-007	1	R.SGVFYVEGLDLSPK.E
<input type="checkbox"/>	<a href="#">633</a>	526.6800	1577.0182	1576.8760	0.1422	0	47	0.00034	1	R.IGIHTGPVCAGVVGLK.M
<input type="checkbox"/>	<a href="#">693</a>	821.4100	1640.8054	1640.8603	-0.0548	0	(47)	0.00031	1	K.LYWPLGYPPDPVK.C
<input type="checkbox"/>	<a href="#">694</a>	821.4300	1640.8454	1640.8603	-0.0148	0	55	4.2e-005	1	K.LYWPLGYPPDPVK.C
<input type="checkbox"/>	<a href="#">695</a>	548.0100	1641.0082	1640.8603	0.1479	0	(55)	4.5e-005	1	K.LYWPLGYPPDPVK.C
<input type="checkbox"/>	<a href="#">706</a>	833.8700	1665.7254	1665.8250	-0.0995	0	88	2.5e-008	1	K.AVLEEFDGFELELR.G
<input type="checkbox"/>	<a href="#">708</a>	557.6100	1669.8082	1669.8576	-0.0494	0	57	2.9e-005	1	R.LGWEHQALVLYADR.L
<input type="checkbox"/>	<a href="#">709</a>	557.6300	1669.8682	1669.8576	0.0106	0	(41)	0.0012	1	R.LGWEHQALVLYADR.L
<input type="checkbox"/>	<a href="#">783</a>	903.4600	1804.9054	1804.9393	-0.0339	0	72	1.1e-006	1	K.VETIGDAYMVVSGLPVR.N
<input type="checkbox"/>	<a href="#">784</a>	602.6500	1804.9282	1804.9393	-0.0112	0	(61)	1.2e-005	1	K.VETIGDAYMVVSGLPVR.N
<input type="checkbox"/>	<a href="#">787</a>	607.9600	1820.8582	1820.9343	-0.0761	0	(61)	9.6e-006	1	K.VETIGDAYMVVSGLPVR.N + Oxidation (M)
<input type="checkbox"/>	<a href="#">809</a>	941.8900	1881.7654	1881.8414	-0.0760	0	104	6.1e-010	1	R.MEQYANNLEELVEER.T + Oxidation (M)
<input type="checkbox"/>	<a href="#">810</a>	628.2900	1881.8482	1881.8414	0.0068	0	(74)	5e-007	1	R.MEQYANNLEELVEER.T + Oxidation (M)
<input type="checkbox"/>	<a href="#">833</a>	1001.9100	2001.8054	2001.8415	-0.0360	0	(77)	2.5e-007	1	R.DTDFSLWMDMPETGAFR.V
<input type="checkbox"/>	<a href="#">836</a>	673.5900	2017.7482	2017.8364	-0.0882	0	(47)	0.00021	1	R.DTDFSLWMDMPETGAFR.V + Oxidation (M)
<input type="checkbox"/>	<a href="#">837</a>	1009.9000	2017.7854	2017.8364	-0.0509	0	82	6.8e-008	1	R.DTDFSLWMDMPETGAFR.V + Oxidation (M)
<input type="checkbox"/>	<a href="#">851</a>	682.9900	2045.9482	2046.0058	-0.0577	0	73	6.7e-007	1	R.GSNYGSLLTTEGQFQVFAK.T
<input type="checkbox"/>	<a href="#">864</a>	704.6500	2110.9282	2111.0826	-0.1545	1	31	0.01	1	K.IITYKEPDNPEYLEFLK.Q
<input type="checkbox"/>	<a href="#">871</a>	1069.0500	2136.0854	2136.1215	-0.0361	0	66	3e-006	1	R.GSQAGDVYSFGIILQEIALR.S
<input type="checkbox"/>	<a href="#">908</a>	786.3900	2356.1482	2356.1423	0.0059	0	86	3e-008	1	K.WEHSFAVFLGPGCVYSAAPVGR.F
<input type="checkbox"/>	<a href="#">912</a>	794.9700	2381.8882	2382.0807	-0.1925	0	59	1.1e-005	1	R.FVGACTDPPNICILTEYCPR.G
<input type="checkbox"/>	<a href="#">924</a>	849.7400	2546.1982	2546.2356	-0.0375	0	(66)	2.4e-006	1	R.MVLGSSSANAAGVCSDTAAPLAAVDLK.W
<input type="checkbox"/>	<a href="#">927</a>	855.0500	2562.1282	2562.2305	-0.1024	0	100	1e-009	1	R.MVLGSSSANAAGVCSDTAAPLAAVDLK.W + Oxidation (M)
<input type="checkbox"/>	<a href="#">928</a>	855.1200	2562.3382	2562.2305	0.1076	0	(82)	5.8e-008	1	R.MVLGSSSANAAGVCSDTAAPLAAVDLK.W + Oxidation (M)
<input type="checkbox"/>	<a href="#">936</a>	884.1100	2649.3082	2649.2711	0.0371	1	31	0.0086	1	K.ITDYGLESFRDPEPEQGHTLFAK.K

2. [ANPRB\\_RAT](#) Mass: 117908 Score: 138 Queries matched: 5 emPAI: 0.12

Atrial natriuretic peptide receptor B precursor (ANP-B) (ANPRB) (GC-B) (Guanylate cyclase B) (EC 4.6.1.2) (NPR-B) (Atrial

☐ Check to include this hit in error tolerant search or archive report

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Peptide
<a href="#">84</a>	438.8000	875.5854	875.5116	0.0738	0	41	0.0016	1	R.QVLFELK.H
<a href="#">170</a>	491.2400	980.4654	980.4814	-0.0160	0	30	0.012	1	R.TQAYLEEK.R
<a href="#">194</a>	519.2700	1036.5254	1036.5342	-0.0087	0	(39)	0.0021	1	R.TYWLLGER.K
<a href="#">195</a>	519.2900	1036.5654	1036.5342	0.0313	0	40	0.0016	1	R.TYWLLGER.K
<a href="#">591</a>	752.3300	1502.6454	1502.6824	-0.0369	0	74	6.7e-007	1	R.YCLFGDTVNTASR.M

3. [K1C10\\_RAT](#) Mass: 56699 Score: 105 Queries matched: 4 emPAI: 0.25

Keratin, type I cytoskeletal 10 (Cytokeratin-10) (CK-10) (Keratin-10) (K10) (KA10) - Rattus norvegicus (Rat)

☐ Check to include this hit in error tolerant search or archive report

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Peptide
<input type="checkbox"/> <a href="#">261</a>	545.7500	1089.4854	1089.5237	-0.0382	0	(31)	0.013	1	K.VTMQNLNDR.L
<input type="checkbox"/> <a href="#">270</a>	553.7700	1105.5254	1105.5186	0.0068	0	64	6.6e-006	1	K.VTMQNLNDR.L + Oxidation (M)
<input type="checkbox"/> <a href="#">298</a>	583.3000	1164.5854	1164.5775	0.0080	0	39	0.0019	1	R.LENEIQTYR.S
<input type="checkbox"/> <a href="#">359</a>	412.3100	1233.9082	1233.6717	0.2365	1	42	0.00098	1	R.LKYENEVALR.Q

4. [K2C4\\_RAT](#) Mass: 57973 Score: 49 Queries matched: 1 emPAI: 0.06

Keratin, type II cytoskeletal 4 (Cytokeratin-4) (CK-4) (Keratin-4) (K4) (Type II keratin Kb4) - Rattus norvegicus (Rat)

☐ Check to include this hit in error tolerant search or archive report

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Peptide
<input checked="" type="checkbox"/> <a href="#">271</a>	554.2900	1106.5654	1106.5720	-0.0065	1	49	0.00021	1	R.AQYEEIARK.S

5. [MPIP2\\_RAT](#) Mass: 64987 Score: 42 Queries matched: 1 emPAI: 0.05

M-phase inducer phosphatase 2 (EC 3.1.3.48) (Dual specificity phosphatase Cdc25B) - Rattus norvegicus (Rat)

☐ Check to include this hit in error tolerant search or archive report

Query	Observed	Mr(expt)	Mr(calc)	Delta Miss	Score	Expect	Rank	Peptide	
<a href="#">132</a>	457.2700	912.5254	912.5393	-0.0138	1	42	0.00089	1	R.DVPVLSKR.R

6. [GCA\\_RAT](#) Mass: 35677 Score: 41 Queries matched: 1 emPAI: 0.09

Ig gamma-2A chain C region - Rattus norvegicus (Rat)

☐ Check to include this hit in error tolerant search or archive report

Query	Observed	Mr(expt)	Mr(calc)	Delta Miss	Score	Expect	Rank	Peptide	
<a href="#">269</a>	550.8300	1099.6454	1099.6489	-0.0034	0	41	0.0015	1	K.DVLTTITLTPK.V

Proteins matching the same set of peptides:

[GCL\\_RAT](#) Mass: 36493 Score: 41 Queries matched: 1  
Ig gamma-1 chain C region - Rattus norvegicus (Rat)

7. [PHF5A\\_RAT](#) Mass: 13138 Score: 31 Queries matched: 1 emPAI: 0.26

PHD finger-like domain-containing protein 5A (PHD finger-like domain protein 5A) (Splicing factor 3B-associated 14 kDa pr

☐ Check to include this hit in error tolerant search or archive report

Query	Observed	Mr(expt)	Mr(calc)	Delta Miss	Score	Expect	Rank	Peptide	
<a href="#">2</a>	386.2900	770.5654	770.4399	0.1256	0	31	0.014	1	K.QAGVAIGR.L

8. [SCN4A\\_RAT](#) Mass: 210954 Score: 31 Queries matched: 1 emPAI: 0.02

Sodium channel protein type 4 subunit alpha (Sodium channel protein type IV subunit alpha) (Voltage-gated sodium channel

☐ Check to include this hit in error tolerant search or archive report

Query	Observed	Mr(expt)	Mr(calc)	Delta Miss	Score	Expect	Rank	Peptide	
<a href="#">166</a>	488.7200	975.4254	975.4695	-0.0441	0	31	0.018	1	K.QEEVCAIK.I

9. [MMP2\\_RAT](#) Mass: 75274 Score: 30 Queries matched: 1 emPAI: 0.04

72 kDa type IV collagenase precursor (EC 3.4.24.24) (72 kDa gelatinase) (Matrix metalloproteinase-2) (MMP-2) (Gelatinase

☐ Check to include this hit in error tolerant search or archive report

Query	Observed	Mr(expt)	Mr(calc)	Delta Miss	Score	Expect	Rank	Peptide	
<a href="#">251</a>	536.8000	1071.5854	1071.5713	0.0141	0	30	0.017	2	K.VWSDVTPLR.F

Peptide matches not assigned to protein hits: (no details means no match)

Query	Observed	Mr(expt)	Mr(calc)	Delta Miss	Score	Expect	Rank	Peptide	
<a href="#">163</a>	484.7600	967.5054	967.4611	0.0444	0	30	0.014	1	DEYALTTR
<a href="#">549</a>	714.3500	1426.6854	1426.6915	-0.0060	0	29	0.018	1	VIYICSSPDAFR
<a href="#">167</a>	489.2400	976.4654	976.4899	-0.0245	0	28	0.031	1	MEIQEAIK + Oxidation (M)
<a href="#">385</a>	628.2900	1254.5654	1254.5550	0.0104	0	27	0.028	1	MEQYANNLEK + Oxidation (M)
<a href="#">569</a>	490.2500	1467.7282	1467.6994	0.0288	0	27	0.03	1	DPEPEQGHTLFAK
<a href="#">247</a>	534.7600	1067.5054	1067.5764	-0.0709	2	26	0.033	1	KNEKQFFK
<a href="#">3</a>	387.7900	773.5654	773.4647	0.1008	1	26	0.059	1	SVAKLEK
<a href="#">168</a>	489.2500	976.4854	976.5090	-0.0236	1	24	0.073	1	RSSWNSLK
<a href="#">877</a>	729.3600	2185.0582	2185.1129	-0.0547	1	24	0.05	1	KEVYFMAIIDILTHYDAK + Oxidation (M)
<a href="#">219</a>	530.7600	1059.5054	1059.5560	-0.0506	1	24	0.075	1	LNKDNDTLK
<a href="#">7</a>	394.2600	786.5054	786.4712	0.0343	1	24	0.084	1	RIELTR
<a href="#">241</a>	530.8200	1059.6254	1059.5560	0.0694	1	24	0.086	1	LNKDNDTLK
<a href="#">788</a>	608.2700	1821.7882	1821.9295	-0.1413	1	24	0.066	1	VETIGDAYMVASGLPKR + Oxidation (M)
<a href="#">682</a>	539.2700	1614.7882	1614.8552	-0.0670	1	23	0.067	1	ELWEKNGAVIMAVR
<a href="#">143</a>	466.7500	931.4854	931.5531	-0.0677	0	23	0.096	1	AILPFFPK
<a href="#">180</a>	504.2300	1006.4454	1006.4502	-0.0047	1	23	0.089	1	ACKTEADGR
<a href="#">756</a>	587.7500	1760.2282	1759.8886	0.3395	1	23	0.074	1	KNCAILIENDQSISR
<a href="#">632</a>	787.3500	1572.6854	1572.7606	-0.0752	1	22	0.097	1	EYTCLAFKVAESR
<a href="#">807</a>	626.2300	1875.6682	1875.9438	-0.2757	1	22	0.079	1	QNLLASREALYGDAAER
<a href="#">882</a>	737.6700	2209.9882	2210.0967	-0.1086	0	22	0.079	1	LGEHNINVLEGDEQFINAAK
<a href="#">181</a>	505.2500	1008.4854	1008.4625	0.0230	1	22	0.097	1	RDYEV DGR
<a href="#">232</a>	530.7900	1059.5654	1059.5560	0.0094	0	21	0.14	1	LLQDISDTR
<a href="#">6</a>	392.2500	782.4854	782.4399	0.0456	1	21	0.092	1	TLHREK
<a href="#">839</a>	675.0200	2022.0382	2022.1149	-0.0768	0	21	0.11	1	AEALLYQILPHSVAEQLK
<a href="#">762</a>	587.7600	1760.2582	1759.8886	0.3695	1	20	0.1	1	KNCAILIENDQSISR
<a href="#">753</a>	587.7500	1760.2282	1759.8886	0.3395	1	20	0.14	1	KNCAILIENDQSISR
<a href="#">797</a>	932.8700	1863.7254	1863.7979	-0.0724	0	20	0.15	1	CDMLTDPNQEVLEER + Oxidation (M)

565	488.7200	1463.1382	1462.8251	0.3131	2	20	0.097	1	MLKEVQMLKALK + 2 Oxidation (M)
220	530.7600	1059.5054	1059.5560	-0.0506	1	20	0.22	1	LNKDNDTLK
127	453.7600	905.5054	905.4607	0.0448	0	19	0.21	1	FLEQQNK
236	530.7900	1059.5654	1059.5825	-0.0171	1	19	0.24	1	LLEGPRYGR
754	587.7500	1760.2282	1759.8886	0.3395	1	19	0.18	1	KNCAILIENDQSISR
140	465.7800	929.5454	929.5334	0.0120	1	19	0.24	1	WAGKDILK
1	385.6100	769.2054	769.4082	-0.2028	0	19	0.18	1	EQGAIPR
221	530.7600	1059.5054	1059.5560	-0.0506	1	19	0.27	1	LNKDNDTLK
738	574.3200	1719.9382	1719.8904	0.0478	2	18	0.22	1	GYLDKETNRALTSPR
438	436.9600	1307.8582	1307.6469	0.2112	2	18	0.26	1	NKYEDEINKR
758	587.7600	1760.2582	1759.8886	0.3695	1	18	0.19	1	KNCAILIENDQSISR
228	530.7800	1059.5454	1059.5825	-0.0371	1	18	0.34	1	LLEGPRYGR
767	587.7700	1760.2882	1759.8886	0.3995	1	17	0.18	1	KNCAILIENDQSISR
566	489.2400	1464.6982	1464.5852	0.1130	0	17	0.31	1	SDDEGDENLQDTK
705	554.2900	1659.8482	1659.7641	0.0841	2	17	0.27	1	RFFREYEEAEER
225	530.7800	1059.5454	1059.5560	-0.0106	1	17	0.38	1	LNKDNDTLK
623	522.2400	1563.6982	1563.7199	-0.0217	2	17	0.27	1	DLVDDTSGRQSPKM + Oxidation (M)
500	680.3800	1358.7454	1358.8068	-0.0613	2	17	0.3	1	KMVLIRTIETR
11	402.2700	802.5254	802.4735	0.0520	0	17	0.44	1	MASILLR
748	587.7300	1760.1682	1759.8886	0.2795	1	17	0.33	1	KNCAILIENDQSISR
366	415.1900	1242.5482	1242.6568	-0.1086	1	17	0.34	1	ASEERKPGELK
96	444.2600	886.5054	886.4946	0.0109	0	17	0.46	1	MLTINPAK
17	411.0200	820.0254	820.4014	-0.3759	0	16	0.21	1	FRPDMR
108	447.2800	892.5454	892.5130	0.0324	0	16	0.42	1	QPPLVPSR
892	751.3500	2251.0282	2251.2511	-0.2229	1	16	0.28	1	RIVWQAEKPVLMQNTALPQK + Oxidation (M)
433	434.8100	1301.4082	1301.6801	-0.2720	1	16	0.39	1	MSLAPAEAWKAK
249	535.8300	1069.6454	1069.5265	0.1190	0	16	0.43	1	TVTQHSNGAR
5	389.2200	776.4254	776.4181	0.0074	0	16	0.54	1	FNEIVR
760	587.7600	1760.2582	1759.8886	0.3695	1	16	0.29	1	KNCAILIENDQSISR
233	530.7900	1059.5654	1059.5560	0.0094	0	16	0.5	1	LLQDISDTR
295	387.7900	1160.3482	1160.5978	-0.2497	1	16	0.45	1	QYKHPDVFK
273	557.6100	1113.2054	1113.5488	-0.3434	1	16	0.23	1	VKSMEYVSR + Oxidation (M)
238	530.8100	1059.6054	1059.5560	0.0494	1	16	0.51	1	LNKDNDTLK
226	530.7800	1059.5454	1059.5560	-0.0106	0	16	0.52	1	LLQDISDTR
562	729.3600	1456.7054	1456.8038	-0.0984	0	16	0.45	1	SGLPAGQVPSLLYR
502	680.9500	1359.8854	1359.6306	0.2548	0	15	0.48	1	EEAQQLWEAEK
300	583.3600	1164.7054	1164.5663	0.1392	0	15	0.46	1	VVGDVAYDEAK
136	461.7900	921.5654	921.4589	0.1065	2	15	0.42	1	AEMKGKDK + Oxidation (M)
457	444.2600	1329.7582	1329.7728	-0.0147	2	15	0.49	1	ARVIDSSSVKLR
308	587.7500	1173.4854	1173.6679	-0.1824	0	15	0.51	1	ILMDLDVVVK + Oxidation (M)
679	536.8000	1607.3782	1607.7580	-0.3798	0	15	0.17	1	LSDYDIHQEIGR
567	489.2500	1464.7282	1464.6732	0.0549	0	15	0.49	1	TTQATDLSADWEK
179	499.2900	996.5654	996.5465	0.0190	1	15	0.42	1	GGVGAGAAPRK
967	1092.9200	3275.7382	3275.5016	0.2366	2	15	0.27	1	WYRSDPDTPVMLYRDGAEPGLAMEGYR + 2 Oxidation (M)
135	461.7400	921.4654	921.4807	-0.0153	0	15	0.44	1	EELALYK
235	530.7900	1059.5654	1059.5560	0.0094	0	15	0.61	1	LLQDISDTR
790	608.3200	1821.9382	1821.9295	0.0087	1	15	0.46	1	VETIGDAYMVASGLPKR + Oxidation (M)
840	675.0600	2022.1582	2022.1149	0.0432	0	15	0.44	1	AEALLYQILPHSVAEQLK
311	587.7500	1173.4854	1173.6652	-0.1797	2	15	0.56	1	LNAMKLNRAK + Oxidation (M)
764	587.7600	1760.2582	1759.8853	0.3729	1	15	0.37	1	GAPEPDTQESRIPVHK
397	428.0600	1281.1582	1280.7969	0.3613	1	15	0.065	1	KVKPPFVPTIR
175	498.2300	994.4454	994.4389	0.0065	1	15	0.47	1	MEESRAEK + Oxidation (M)
54	429.2200	856.4254	856.4767	-0.0512	0	15	0.59	1	SPVTNIAR
176	498.2400	994.4654	994.5382	-0.0727	2	15	0.47	1	FEMKLRR + Oxidation (M)
190	517.2600	1032.5054	1032.5815	-0.0761	0	14	0.6	1	TIQSTGVIK
677	535.8300	1604.4682	1604.8556	-0.3874	2	14	0.45	1	REKDDVLLTTMLR + Oxidation (M)
684	541.3100	1620.9082	1620.8583	0.0498	1	14	0.56	1	EKQQHIEQLAER
524	465.7800	1394.3182	1394.6347	-0.3166	1	14	0.28	1	TELGKDSAGMENK + Oxidation (M)
918	819.4000	2455.1782	2455.1637	0.0144	2	14	0.39	1	AAVRFGMFELSNHMRDAQGR + Oxidation (M)
403	429.1800	1284.5182	1284.6245	-0.1063	0	14	0.56	1	VAHMESSLGQAR
99	445.2200	888.4254	888.4413	-0.0159	1	14	0.78	1	STPADRSR
763	587.7600	1760.2582	1759.8886	0.3695	1	14	0.44	1	KNCAILIENDQSISR
299	389.2200	1164.6382	1164.5557	0.0825	1	14	0.61	1	ASDLTCKSQR
624	522.2500	1563.7282	1563.6844	0.0438	0	14	0.55	1	CHLGISESEMVMR + Oxidation (M)
637	527.3000	1578.8782	1578.9094	-0.0312	1	14	0.65	1	SVVTLGGKLVHVQK
765	587.7700	1760.2882	1759.8886	0.3995	1	14	0.4	1	KNCAILIENDQSISR

288	565.7900	1129.5654	1129.6091	-0.0437	2	14	0.76	1	EKVKNVEER
578	497.2400	1488.6982	1488.6879	0.0103	1	14	0.67	1	SCKSELPSSAPGGGGV
646	530.7600	1589.2582	1588.9664	0.2917	1	14	0.15	1	IVKEHNLQVLGLVK
340	402.2700	1203.7882	1203.6169	0.1713	0	14	0.75	1	EEVASLQAVMK
542	472.9400	1415.7982	1415.7918	0.0063	2	13	0.73	1	QKLMREQNILK + Oxidation (M)
234	530.7900	1059.5654	1059.5825	-0.0171	1	13	0.9	1	LLEGPRYGR
962	1020.4800	3058.4182	3058.3271	0.0911	0	13	0.38	1	EAMAEQETTTLPPQEDMEPNATPTTPEA + 2 Oxidation (M)
313	587.7500	1173.4854	1173.6394	-0.1539	0	13	0.8	1	LLQVGFTPDGK
872	713.3600	2137.0582	2137.1505	-0.0923	2	13	0.62	1	RFSHSGNQLDGPITAIRIR
751	587.7500	1760.2282	1759.8886	0.3395	1	13	0.64	1	KNCAILIENDQSISR
209	524.2600	1046.5054	1046.5509	-0.0454	0	13	0.94	1	INTLGWTSR
854	688.3400	2061.9982	2061.8247	0.1735	0	13	0.59	1	TDDPQLDGDGDDNDEGNLSK
323	587.7700	1173.5254	1173.6540	-0.1285	1	13	0.84	1	LIKPMKDGTR + Oxidation (M)
507	455.9700	1364.8882	1364.7313	0.1569	1	13	0.8	1	QPQNRTPHLFK
689	544.8400	1631.4982	1631.7476	-0.2495	0	13	0.61	1	NMVQWSPFVMSFK + 2 Oxidation (M)
598	508.3200	1521.9382	1521.7424	0.1958	0	13	0.77	1	TQDVPTTQGVDPK
31	416.8600	831.7054	831.4702	0.2353	0	13	1.1	1	TSIEVGVK
933	860.0800	2577.2182	2577.2142	0.0039	1	13	0.57	1	QEHPTSDSLMHVKPEHEQRK
529	467.8800	1400.6182	1400.7558	-0.1376	2	13	0.9	1	NMKLATQPQKAR + Oxidation (M)
428	432.2800	1293.8182	1293.6062	0.2120	1	13	0.9	1	QSAERGSFEGAR
556	482.9100	1445.7082	1445.5924	0.1158	0	13	0.83	1	CMIFMCSNVNR + 2 Oxidation (M)
361	412.7700	1235.2882	1235.6510	-0.3628	0	13	0.68	1	EKPEAPLAEPR
322	587.7700	1173.5254	1173.6679	-0.1424	0	13	0.95	1	ILMDLDVVLK + Oxidation (M)
501	680.6700	1359.3254	1359.6306	-0.3052	0	13	0.59	1	EEAQQLWEAEK
514	688.3400	1374.6654	1374.7653	-0.0998	2	13	0.8	1	GKKTNIIDSMRL
789	911.9400	1821.8654	1821.9295	-0.0640	1	13	0.81	1	VETIGDAYMVASGLPKR + Oxidation (M)
454	665.3700	1328.7254	1328.6824	0.0431	0	13	0.89	1	IPDLTDVNSIDK
423	430.8000	1289.3782	1289.7455	-0.3674	0	13	0.84	1	HINPVAASLIQK
328	587.7800	1173.5454	1173.6394	-0.0939	0	12	0.99	1	LLQVGFTPDGK
643	530.7500	1589.2282	1588.8317	0.3965	0	12	0.33	1	VIGLTCALGSGMPLGK + Oxidation (M)
835	670.3100	2007.9082	2007.9783	-0.0701	1	12	0.75	1	KMSIPDGVSSNTLTNSDVK + Oxidation (M)
324	587.7700	1173.5254	1173.6394	-0.1139	0	12	1	1	LLQVGFTPDGK
563	729.8400	1457.6654	1457.9446	-0.2791	2	12	0.93	1	IVRFTKILSLLR
558	484.3300	1449.9682	1449.6816	0.2865	1	12	0.92	1	QSIQRNMSAMER
79	434.9000	867.7854	867.4855	0.3000	0	12	0.72	1	VTFGLFGK
595	505.2500	1512.7282	1512.7606	-0.0324	0	12	0.92	1	IPPENAVDAMLTAR + Oxidation (M)
244	532.2900	1062.5654	1062.5743	-0.0089	0	12	1.1	1	SCILVSISGK
191	517.3000	1032.5854	1032.5274	0.0581	0	12	1.1	1	DCAVIVTQK
218	530.7500	1059.4854	1059.6189	-0.1334	1	12	1.3	1	IIDFGLARR
436	435.1200	1302.3382	1302.6602	-0.3220	0	12	0.99	1	QLLDLAVCTDR
103	447.1700	892.3254	892.4073	-0.0818	0	12	1.2	1	NTMGDLNR
602	512.2300	1533.6682	1533.8151	-0.1469	0	12	0.96	1	DNVLHVEINGISPK
424	430.8600	1289.5582	1289.6761	-0.1180	1	12	1	1	LCTEILRSNGK
859	702.3300	2103.9682	2104.2004	-0.2322	2	12	0.85	1	GQALEPSEPKNLRLVELR
333	396.7400	1187.1982	1187.4578	-0.2596	0	12	0.35	1	ESGDHEEEK
230	530.7900	1059.5654	1059.5825	-0.0171	1	12	1.3	1	LLEGPRYGR
293	385.6100	1153.8082	1153.6641	0.1440	0	12	1.1	1	IVVMNNVLPNR
321	587.7600	1173.5054	1173.6394	-0.1339	0	12	1.2	1	LLQVGFTPDGK
357	616.7800	1231.5454	1231.6925	-0.1470	0	12	1.2	1	YTVLSVAPGGLR
120	451.7600	901.5054	901.4943	0.0112	0	12	1.6	1	MIPVVAEK + Oxidation (M)
204	521.8400	1041.6654	1041.5131	0.1524	0	12	1.2	1	LLESDFR
292	574.3200	1146.6254	1146.6285	-0.0030	0	11	1.2	1	LSQILSDFPK
30	415.7200	829.4254	829.4518	-0.0264	2	11	1.4	1	ADKNRNR
547	713.3600	1424.7054	1424.6792	0.0263	0	11	1.2	1	EMFELQCLALR + Oxidation (M)
761	587.7600	1760.2582	1759.8886	0.3695	1	11	0.84	1	KNCAILIENDQSISR
222	530.7600	1059.5054	1059.5825	-0.0771	1	11	1.4	1	LLEGPRYGR
640	530.7400	1589.1982	1588.8317	0.3665	0	11	0.69	1	VIGLTCALGSGMPLGK + Oxidation (M)
354	411.2200	1230.6382	1230.6568	-0.0186	0	11	1.3	1	NELSGALTGLTR
435	434.9000	1301.6782	1301.6649	0.0133	1	11	1.2	1	TDHAEMKLTLLK + Oxidation (M)
47	429.1800	856.3454	856.5494	-0.2040	1	11	1.4	1	GLIKSAIR
224	530.7800	1059.5454	1059.5825	-0.0371	1	11	1.5	1	LLEGPRYGR
246	533.2700	1064.5254	1064.5172	0.0083	0	11	1.2	1	AMVASGSELGK + Oxidation (M)
23	412.3100	822.6054	822.4422	0.1633	0	11	1.1	1	YVAAMIR
603	768.8900	1535.7654	1535.8494	-0.0839	1	11	1.3	1	LPTMSSRLVYTLR
149	472.2500	942.4854	942.4770	0.0084	1	11	1.4	1	AGDAEGKAPK
287	565.2700	1128.5254	1128.6325	-0.1070	1	11	1.5	1	LKVMLADSPR

749	587.7400	1760.1982	1759.8886	0.3095	1	11	1.2	1	KNCAILIENDQSISR
217	530.7500	1059.4854	1059.5825	-0.0971	1	11	1.6	1	LLEGPRYGR
223	530.7700	1059.5254	1059.6189	-0.0934	1	11	1.6	1	IIDFGLARR
461	445.2200	1332.6382	1332.7952	-0.1570	1	11	1.4	1	LLFMKRPSVVK + Oxidation (M)
50	429.1900	856.3654	856.5018	-0.1364	0	11	1.4	1	VSNLPTVK
363	413.1900	1236.5482	1236.6687	-0.1205	2	11	1.1	1	VSHSQGPCKNR
414	429.2400	1284.6982	1284.6608	0.0373	1	11	1.2	1	ALRSMTAPEGPR
320	587.7600	1173.5054	1173.7373	-0.2318	0	11	1.4	1	IFLTVIDLIK
329	587.7900	1173.5654	1173.6618	-0.0964	1	11	1.4	1	ELLNRIFNRR
466	447.1700	1338.4882	1338.6568	-0.1686	0	11	1.1	1	SLSSNPSFFTPR
344	608.2700	1214.5254	1214.6143	-0.0888	0	11	1.4	1	QEDVVEDLLR
485	450.2400	1347.6982	1347.7544	-0.0562	2	11	1.3	1	MSQIKRLLSEK + Oxidation (M)
390	423.2600	1266.7582	1266.5584	0.1998	0	11	1.3	1	EGMSIVEAMER + Oxidation (M)
581	746.3700	1490.7254	1490.7776	-0.0522	2	11	1.3	1	KCPFTGNVSIRGR
227	530.7800	1059.5454	1059.5825	-0.0371	1	11	1.7	1	LLEGPRYGR
759	587.7600	1760.2582	1759.8886	0.3695	1	11	1	1	KNCAILIENDQSISR
522	464.6000	1390.7782	1390.6576	0.1206	2	11	1.3	1	KKDGSDDGLEEEK
199	521.7600	1041.5054	1041.5131	-0.0076	0	11	1.5	1	LLESDYFR
229	530.7900	1059.5654	1059.5825	-0.0171	1	11	1.7	1	LLEGPRYGR
868	707.9700	2120.8882	2121.0161	-0.1279	1	11	1.1	1	FLQSLDEDNMTKQPGNLR + Oxidation (M)
380	417.2800	1248.8182	1248.4863	0.3319	0	10	1.5	1	NHEEEMASMR + Oxidation (M)
462	446.2400	1335.6982	1335.5621	0.1361	0	10	1.4	1	SLCDMMLAHDK + Oxidation (M)
613	519.2900	1554.8482	1554.8154	0.0328	0	10	1.3	1	NQIALWDQLLEGR
724	566.6000	1696.7782	1696.8744	-0.0962	1	10	1.4	1	LQKKEBATAAPDLAGR
343	607.9600	1213.9054	1213.7030	0.2024	1	10	1.5	1	KQITVEELVR
583	498.2400	1491.6982	1491.7715	-0.0733	1	10	1.4	1	ALGTMSSQDRALVK + Oxidation (M)
157	481.0500	960.0854	960.4665	-0.3811	0	10	0.58	1	VVGDWTER
37	423.2600	844.5054	844.5130	-0.0076	1	10	2.1	1	KASASIR
508	456.6600	1366.9582	1366.7820	0.1762	2	10	1.3	1	KEETQPPVALKK
41	427.9200	853.8254	853.4770	0.3485	0	10	0.68	1	AGGNIAVPR
900	768.8900	2303.6482	2303.3378	0.3103	2	10	0.34	1	ALRALPITQHSRIWPLYLR
418	429.5200	1285.5382	1285.6666	-0.1285	0	10	1.5	1	SPAGGAALLSEWK
330	392.2500	1173.7282	1173.6394	0.0888	0	10	1.7	1	AAYAGGLVLDPK
589	499.2900	1494.8482	1494.7943	0.0539	0	10	1.3	1	SAQGLVPQKPWER
240	530.8100	1059.6054	1059.5825	0.0229	1	10	1.9	1	LLEGPRYGR
198	521.7600	1041.5054	1041.6182	-0.1128	2	10	1.7	1	ILGKVERID
310	587.7500	1173.4854	1173.6394	-0.1539	0	10	1.7	1	LLQVGFTPDGK
239	530.8100	1059.6054	1059.5825	0.0229	1	10	2	1	LLEGPRYGR
901	769.2500	2304.7282	2305.0896	-0.3615	0	10	0.5	1	SGADVNMIDIGVSPFGPETIIDR + Oxidation (M)
585	747.3400	1492.6654	1492.7265	-0.0611	1	10	1.6	1	MEIQEMQLKEAK + Oxidation (M)
315	587.7600	1173.5054	1173.6540	-0.1485	1	10	1.8	1	LIKPMKDGTR + Oxidation (M)
307	587.7500	1173.4854	1173.6063	-0.1209	0	10	1.8	1	EIICEQAAIK
702	550.3100	1647.9082	1647.7385	0.1697	0	10	1.5	1	NMPTLGAFSMSAAYR + 2 Oxidation (M)
386	631.7900	1261.5654	1261.7030	-0.1376	1	10	1.8	1	LSLEEFIRGAK
536	470.7800	1409.3182	1409.6609	-0.3427	1	10	0.86	1	QDKEVFQQNMK + Oxidation (M)
453	443.2200	1326.6382	1326.7157	-0.0775	2	10	1.6	1	TSVHRKAHYTK
39	425.7900	849.5654	849.4313	0.1342	1	10	1.8	1	MRPRMK + 2 Oxidation (M)
347	409.2200	1224.6382	1224.6727	-0.0346	1	10	1.5	1	TAAVKWAVSHR
703	550.8300	1649.4682	1649.8472	-0.3790	1	10	1	1	SGEITTTSLLDRETK
266	548.3300	1094.6454	1094.5244	0.1210	0	10	1.5	1	GTSTPEYNVK
612	519.2700	1554.7882	1554.8154	-0.0272	0	10	1.5	1	NQIALWDQLLEGR
182	505.2600	1008.5054	1008.4625	0.0430	1	10	1.6	1	RDYEVDR
252	538.2600	1074.5054	1074.6073	-0.1019	0	10	2	1	QVISVLAQAF
873	714.3500	2140.0282	2140.1139	-0.0858	1	10	1.5	1	MGSGKVFLFSPSLLSQTR
231	530.7900	1059.5654	1059.5825	-0.0171	1	10	2.1	1	LLEGPRYGR
752	587.7500	1760.2282	1759.8886	0.3395	1	10	1.5	1	KNCAILIENDQSISR
277	560.3100	1118.6054	1118.5866	0.0188	2	10	2	1	VTDKNMQR
509	457.2700	1368.7882	1368.5827	0.2055	1	10	1.7	1	MSSVEDSDSTKR
43	428.7600	855.5054	855.5654	-0.0599	2	10	1.8	1	LAKLRQK
309	587.7500	1173.4854	1173.6540	-0.1685	1	10	1.9	1	LIKPMKDGTR + Oxidation (M)
463	669.2800	1336.5454	1336.7755	-0.2300	1	10	1.6	1	YGIFAPLSKITK
712	560.3100	1677.9082	1677.7953	0.1128	0	10	1.6	1	CVLELADQTLEMEK
394	426.9600	1277.8582	1277.6835	0.1746	1	10	1.8	1	LKIAGNMGGLAMK + 2 Oxidation (M)
440	438.8000	1313.3782	1313.7442	-0.3660	1	10	1.8	1	KLDVEIILDEK
493	453.2400	1356.6982	1356.6860	0.0122	2	10	1.8	1	KVFCEVYKER
71	432.0600	862.1054	862.4443	-0.3389	1	10	2	1	MGVSSRAR



88	440.2300	878.4454	878.4498	-0.0043	0	9	2	1	ELSDFLR
848	680.9500	2039.8282	2039.9847	-0.1566	1	9	1.4	1	TVPERFHCVGGSVQNPEK
430	432.9600	1295.8582	1295.5816	0.2766	1	9	1.7	1	TMHKYEQESK + Oxidation (M)
455	444.2000	1329.5782	1329.7326	-0.1544	0	9	1.9	1	LCSLSSPLQVVK
533	469.8300	1406.4682	1406.7630	-0.2948	1	9	1.7	1	NSPHLLGGKTDLR
345	608.3200	1214.6254	1214.6619	-0.0364	2	9	2	1	EKLERA VNEK
90	441.9200	881.8254	881.5195	0.3059	2	9	1.1	1	KSHKNLR
606	516.2800	1545.8182	1545.8627	-0.0445	2	9	2	1	TLFQLEDLRKQR
845	680.3800	2038.1182	2038.0346	0.0836	0	9	1.5	1	ATFYAAEIIICGLQFLHGK
362	412.8300	1235.4682	1235.5531	-0.0849	0	9	1.8	1	GDASTGWNSVSR
70	432.0300	862.0454	862.4331	-0.3876	0	9	1.2	1	MAGVGAVSR + Oxidation (M)
301	583.7400	1165.4654	1165.5332	-0.0677	1	9	1.7	1	MAEMSR AQAR + Oxidation (M)
441	439.5400	1315.5982	1315.7095	-0.1114	1	9	2.1	1	SLSAIDRAGAEVK
920	821.4300	2461.2682	2461.1795	0.0887	1	9	1.4	1	VRFYEGSELVADSGVTIDTTMR + Oxidation (M)
626	523.2800	1566.8182	1566.7725	0.0457	1	9	1.8	1	AIASYISSHCRFR
834	669.2800	2004.8182	2004.8816	-0.0634	1	9	1.5	1	GGRIPTMGCLDPQGEDMR + Oxidation (M)
476	448.0400	1341.0982	1340.7915	0.3067	1	9	0.87	1	LELKL SITEPAK
150	472.9400	943.8654	943.5524	0.3130	1	9	2	1	IMKQPLSK
474	447.8800	1340.6182	1340.7188	-0.1006	0	9	1.9	1	LLNDEDPVVVTK
245	532.3100	1062.6054	1062.4989	0.1066	2	9	2.2	1	RMDASDRGR
72	432.2800	862.5454	862.4265	0.1189	1	9	2.5	1	MAARCVR
600	510.2900	1527.8482	1527.8198	0.0284	2	9	2	1	FAATNFGREKFIK
101	446.8200	891.6254	891.4008	0.2247	0	9	2.2	1	EKPEDMK + Oxidation (M)
746	587.3100	1758.9082	1759.0217	-0.1135	2	9	1.8	1	ESLRLHPPVTVISRR
335	599.3000	1196.5854	1196.6989	-0.1135	1	9	1.7	1	ALAVSGGTLPRR
379	625.0300	1248.0454	1247.6622	0.3832	1	9	1.1	1	VLDTNDRFLR
477	448.0500	1341.1282	1340.7452	0.3829	0	9	0.62	1	LAVLSSSLTHWK
552	481.0500	1440.1282	1439.7330	0.3952	0	9	1.2	1	SFAVTETLQMGIK + Oxidation (M)
723	565.7900	1694.3482	1693.9516	0.3966	0	9	0.32	1	WVLNTVSTGAHVLLGK
237	530.8000	1059.5854	1059.5825	0.0029	1	9	2.5	1	LLEGPRYGR
352	411.0200	1230.0382	1229.6550	0.3832	2	9	1.3	1	RCVSLEPKNK
25	412.8300	823.6454	823.3382	0.3073	0	9	1.8	1	MAEQSDK + Oxidation (M)
201	521.7900	1041.5654	1041.5818	-0.0164	0	9	2.2	1	IVLEIDNAR
964	1055.4500	3163.3282	3163.6001	-0.2719	2	9	1	1	MAIDIVLATDMSKHMNLLADLKT MVETK + 2 Oxidation (M)
814	949.0900	1896.1654	1895.9523	0.2131	1	9	1.8	1	ALPATPQLPSRSGMDSPR + Oxidation (M)
469	670.3100	1338.6054	1338.5795	0.0259	0	9	1.7	1	EPMTVSSDQMAK + Oxidation (M)
58	429.2400	856.4654	856.5130	-0.0476	2	9	2.3	1	ILNKGKAN
447	441.9200	1322.7382	1322.6765	0.0617	1	9	1.7	1	VMAEAFQSLRR + Oxidation (M)
672	532.3100	1593.9082	1593.8012	0.1070	0	9	1.9	1	NQPGPPGPPGPPGAAGAR
334	398.7700	1193.2882	1193.6326	-0.3444	0	9	2.1	1	IASLTSGLTMGK + Oxidation (M)
130	455.9700	909.9254	909.5396	0.3859	1	9	0.32	1	GGSLPPVKR
887	742.3500	2224.0282	2224.1310	-0.1028	2	9	1.7	1	KLMLDTWNESIFSNIKNR + Oxidation (M)
779	897.9100	1793.8054	1793.9900	-0.1846	2	9	1.7	1	GQRSNYALKILQFTR
464	446.8200	1337.4382	1337.6436	-0.2055	1	9	2.2	1	DRSTIPQHGDR
417	429.5100	1285.5082	1285.7142	-0.2061	2	9	2.1	1	RVVWEENVKK
543	473.3300	1416.9682	1416.7031	0.2650	0	9	2.4	1	VNLSCIGVSDPTR
686	541.8300	1622.4682	1622.8264	-0.3582	2	9	1.4	1	IDRADFSNEKTISK
274	557.6300	1113.2454	1113.5852	-0.3398	0	9	1.9	1	GLPGTAGLPGMK + Oxidation (M)
636	527.2600	1578.7582	1578.7283	0.0299	0	9	2.2	1	AMAYLESINCVHR + Oxidation (M)
425	430.9000	1289.6782	1289.7125	-0.0344	2	9	2.1	1	ISVLGKGS MRDK
831	665.3700	1993.0882	1992.9674	0.1208	0	9	1.7	1	DLLEVTSGSISDDIINMR + Oxidation (M)
707	556.2900	1665.8482	1665.8661	-0.0179	0	9	2.3	1	WMHSLQPLDGLITR
444	440.2300	1317.6682	1317.6751	-0.0069	1	9	2.6	1	LQEKDIQMWK
242	530.8300	1059.6454	1059.5825	0.0629	1	8	2.8	1	LLEGPRYGR
856	691.0000	2069.9782	2069.9108	0.0674	0	8	1.7	1	DGNLMFDQVPMVEIDGMK + 2 Oxidation (M)
471	447.2600	1338.7582	1338.6932	0.0650	1	8	1.8	1	TYSTFSGLAKHK
550	478.2700	1431.7882	1431.7457	0.0425	1	8	2.2	1	DDLEQLTTEIKK
381	625.7700	1249.5254	1249.6635	-0.1380	1	8	2.5	1	MMAATVVSRIR + Oxidation (M)
596	505.2600	1512.7582	1512.7644	-0.0063	1	8	2.1	1	GQTQEEVVRPKGR
131	456.6600	911.3054	911.3728	-0.0674	0	8	1.9	1	NMEVMEK + 2 Oxidation (M)
429	432.8600	1295.5582	1295.7310	-0.1728	2	8	2.1	1	KAKDLHTSIQR
282	563.2500	1124.4854	1124.5938	-0.1084	1	8	2.4	1	VTVDGPREPR
312	587.7500	1173.4854	1173.7234	-0.2379	1	8	2.5	1	IAINLTVFRK
711	559.3400	1674.9982	1674.8359	0.1623	2	8	2.1	1	SAPDRQEEISKLMR + Oxidation (M)
80	435.1200	868.2254	868.4364	-0.2110	0	8	1.9	1	TLMTPYK + Oxidation (M)
106	447.2100	892.4054	892.4436	-0.0382	1	8	2.7	1	SSPRTSMK

10	401.3000	800.5854	800.5232	0.0623	2	8	3	1	GILKKS
45	429.1400	856.2654	856.3861	-0.1207	0	8	2.6	1	HCLDQK
188	512.2300	1022.4454	1022.4822	-0.0367	0	8	2.4	1	FFTPSPDGR
48	429.1800	856.3454	856.4403	-0.0948	0	8	2.7	1	RPSTDGK
795	618.2600	1851.7582	1851.8574	-0.0992	0	8	2	1	SDHTLTVTSGVYAWCR
510	457.3100	1368.9082	1368.6157	0.2924	1	8	2.4	1	SGNGGTFTEKDEK
442	439.6000	1315.7782	1315.6190	0.1591	0	8	2.7	1	QMETSGPPAGGLR + Oxidation (M)
480	449.2300	1344.6682	1344.6633	0.0048	2	8	2.5	1	KSSDGSPTPGKR
974	1161.5700	3481.6882	3481.8519	-0.1637	1	8	1.2	1	GTSAAWAILPLLLLVMAAVGGYLMWRNWOHK + Oxidation (M)
832	666.3700	1996.0882	1996.0200	0.0681	0	8	2	1	NHTMVQVPAFLQELVDR
158	481.9200	961.8254	961.5127	0.3127	1	8	2.6	1	AMAAGTRLR + Oxidation (M)
416	429.2500	1284.7282	1284.6206	0.1075	0	8	2.3	1	IDIMVTMGFAR + 2 Oxidation (M)
177	498.7700	995.5254	995.5916	-0.0662	2	8	2.1	1	IYKAKFR
885	738.6900	2213.0482	2213.0510	-0.0028	2	8	1.6	1	AISVLEMENGYWCCRK + Oxidation (M)
895	752.3600	2254.0582	2254.1593	-0.1012	2	8	1.6	1	KYSDVSGLLANYTDPQSKLR
874	722.3200	2163.9382	2164.0656	-0.1275	0	8	1.8	1	LPQLVDMASQIASGMAYVDR
319	587.7600	1173.5054	1173.6540	-0.1485	1	8	2.7	1	LIKPMKDGTG + Oxidation (M)
942	897.9100	2690.7082	2690.3262	0.3820	0	8	1.2	1	EFGDLVDNMDVPTPLSAYQIPR
701	549.8400	1646.4982	1646.8879	-0.3898	0	8	1.9	1	LDVTPLTGVPPEHIK
950	949.0900	2844.2482	2844.5129	-0.2648	2	8	1.7	1	MGTEGKAGSKLLFLFTSMILGSLVQGK + 2 Oxidation (M)
327	587.7800	1173.5454	1173.6288	-0.0834	1	8	2.8	1	LLRQMVDVR + Oxidation (M)
36	421.7600	841.5054	841.5134	-0.0079	1	8	2.3	1	VAQLQRK
256	541.3100	1080.6054	1080.5637	0.0417	0	8	2.3	1	DMALYSLLR
160	484.0200	966.0254	966.4155	-0.3901	0	8	0.33	1	HGGPADEER
666	530.8200	1589.4382	1589.7634	-0.3252	1	8	1.8	1	FDRLAHEHHCLR
823	641.3600	1921.0582	1921.0931	-0.0349	2	8	2.1	1	RVELAVMLNLTERHIK
368	622.3600	1242.7054	1242.7659	-0.0605	2	8	2.6	1	VTAGKKPSSIKK
378	416.9900	1247.9482	1247.5717	0.3765	0	8	2.7	1	SANFMEHIQR + Oxidation (M)
373	624.3300	1246.6454	1246.6591	-0.0137	1	8	2.5	1	TGPEMQTVLKK + Oxidation (M)
743	583.3600	1747.0582	1746.8042	0.2540	2	8	2.4	1	RSGSKGHMNYEGPGMAR
843	680.3100	2037.9082	2037.9235	-0.0153	1	8	2.1	1	KDVVIQDDVECTMVEK + Oxidation (M)
445	440.2600	1317.7582	1317.7187	0.0395	1	8	3	1	MAATAAVSGVLR + Oxidation (M)
608	517.3000	1548.8782	1548.7355	0.1427	1	8	2.7	1	EWAEQLTQMGRGK + Oxidation (M)
916	812.0500	2433.1282	2432.9966	0.1316	0	8	1.7	1	MSAQVPMNMTITGCMTFYR + 4 Oxidation (M)
739	872.8100	1743.6054	1743.8284	-0.2229	1	8	2.4	1	TLYRSCMNQSVIEK + Oxidation (M)
564	488.5500	1462.6282	1462.7854	-0.1572	1	8	2.7	1	MVLDDLFRVDK
351	411.0200	1230.0382	1229.7033	0.3349	1	8	1.6	1	KILHTAWHPK
850	682.7000	2045.0782	2045.0398	0.0384	1	8	2.1	1	IHMDETGMTILRILSQR + 2 Oxidation (M)
216	530.7400	1059.4654	1059.5859	-0.1204	2	8	3.2	1	LLCDQKRK
791	613.8600	1838.5582	1838.8655	-0.3073	0	8	1.5	1	MCISAPGPGPSADLDPVR
945	911.9400	2732.7982	2732.5324	0.2658	2	8	0.74	1	DIVPGDIVEIAVGDKVPADIRLTSIK
869	708.6700	2122.9882	2122.9987	-0.0105	2	8	2.2	1	LPSETTMMADIAERNEKR + 2 Oxidation (M)
206	522.2500	1042.4854	1042.5043	-0.0189	0	8	3.4	1	VEPSSQSPGR
159	482.9100	963.8054	963.4450	0.3604	0	8	2.8	1	FGSYAYTR
342	605.8200	1209.6254	1209.7081	-0.0827	1	8	2.6	1	APVKVTAAPTQK
383	627.8100	1253.6054	1253.5598	0.0457	0	8	2.3	1	LGDLYEEEMR
331	588.3300	1174.6454	1174.6492	-0.0038	1	8	2.9	1	NIKVIMATNR + Oxidation (M)
341	404.1000	1209.2782	1209.6142	-0.3360	0	8	2.1	1	EHSAPQAPPVK
867	707.6500	2119.9282	2120.0493	-0.1211	2	8	2.4	1	LEKQLAEKAAMSADAMPK + 2 Oxidation (M)
86	439.6000	877.1854	877.4691	-0.2837	1	8	3.2	1	TRTLMEK
698	548.3300	1641.9682	1641.8475	0.1207	0	8	2.6	1	GKPGPAEGDPSPALPPR
4	389.2000	776.3854	776.3929	-0.0075	1	8	3.8	1	EPGRYR
966	1069.0500	3204.1282	3203.8354	0.2928	2	8	0.47	1	ILLAARKQAVQVASLTGTAGQALETQVPR
148	470.7800	939.5454	939.4405	0.1049	1	8	2.5	1	EELMKMK + 2 Oxidation (M)
523	465.2700	1392.7882	1392.6853	0.1028	1	7	3	1	MMQAQEAVERVK + Oxidation (M)
800	624.0800	1869.2182	1868.8613	0.3569	0	7	2.4	1	TDGAAPNVAPSDVGGGGTNR
18	411.1600	820.3054	820.4589	-0.1534	2	7	3.2	1	MAATKRK + Oxidation (M)
133	457.3100	912.6054	912.4413	0.1641	1	7	2.6	1	GDGNAHKK
627	523.7200	1568.1382	1567.8205	0.3176	1	7	2.2	1	DKILEALASSADAHK
35	418.8900	835.7654	835.4626	0.3029	1	7	2.6	1	AMPVYKK
370	415.7200	1244.1382	1243.7652	0.3729	1	7	0.29	1	IFLVAQQAVK
255	540.8200	1079.6254	1079.5355	0.0900	0	7	2.8	1	AAEMMASLLK + Oxidation (M)
599	508.8100	1523.4082	1523.7072	-0.2990	1	7	1.9	1	TMQSIISNEQKACK
212	527.2600	1052.5054	1052.5753	-0.0699	0	7	2.9	1	SYSEILTLK
921	821.9000	2462.6782	2462.3533	0.3249	0	7	0.61	1	SHIQIPPGLTELLQGYTVEVLR
21	411.4000	820.7854	820.4265	0.3589	1	7	2.8	1	YMKHK + Oxidation (M)



483	673.9100	1345.8054	1345.6626	0.1429	0	7	3.5	1	SYVAGASAAPAEPR
332	394.2600	1179.7582	1179.5302	0.2279	0	7	2.8	1	MTLNGSGAGGSR + Oxidation (M)
580	497.7400	1490.1982	1489.8239	0.3742	1	7	0.88	1	TLTLDTKDLTIEK
894	752.3300	2253.9682	2254.1061	-0.1379	1	7	1.9	1	KAHLIVHMEINEICPFCK + Oxidation (M)
452	443.2100	1326.6082	1326.7256	-0.1174	0	7	2.8	1	LIQIQDNGTGIR
491	452.0000	1352.9782	1352.6242	0.3540	0	7	2.7	1	LCTSATESEVTR
456	444.2200	1329.6382	1329.7326	-0.0944	0	7	3.2	1	LCSLSPLQVVK
513	688.3300	1374.6454	1374.7255	-0.0801	1	7	2.8	1	ENINVKQVFER
713	560.3200	1677.9382	1677.8773	0.0609	2	7	2.8	1	LWDFLEEMVAARR + Oxidation (M)
676	535.3400	1602.9982	1602.8334	0.1648	2	7	3	1	KDARACVINGMQLK
147	469.8300	937.6454	937.4691	0.1763	1	7	2.5	1	KAAFDVCK
490	451.9200	1352.7382	1352.7347	0.0035	2	7	2.8	1	MLAQQAVKRTAH
496	453.7600	1358.2582	1358.6500	-0.3918	0	7	0.71	1	SPSNSQIECPIK
404	429.1800	1284.5182	1284.7401	-0.2220	0	7	2.9	1	AVGTQALSGAGLLK
112	448.0400	894.0654	894.4191	-0.3536	0	7	1.4	1	LMVEMEK + Oxidation (M)
903	1161.5700	2321.1254	2321.1687	-0.0433	1	7	2.2	1	LYQVMETKDMLYIVTEFAK
448	442.2000	1323.5782	1323.5843	-0.0062	0	7	2.8	1	EEAEAPHAWER
73	432.8600	863.7054	863.4654	0.2401	0	7	3.6	1	SGFIVWR
314	587.7600	1173.5054	1173.6580	-0.1525	1	7	3.4	1	ILNKWEMLK
214	530.3000	1058.5854	1058.5794	0.0060	0	7	3.9	1	LVSDLLPMR + Oxidation (M)
717	563.2500	1686.7282	1686.7494	-0.0212	1	7	2.6	1	QFNCPVCYAASKK
419	429.5300	1285.5682	1285.6779	-0.1097	1	7	3.1	1	EFLVPSREPGR
472	447.2800	1338.8182	1338.7143	0.1039	1	7	2.5	1	KSLADEAEVHLK
806	625.7700	1874.2882	1873.9720	0.3162	1	7	2.2	1	AMSIPTSPTRVSFHSIK + Oxidation (M)
497	453.7800	1358.3182	1358.6837	-0.3655	2	7	1.9	1	RENSSPRVMQR
16	411.0200	820.0254	820.3861	-0.3607	1	7	1.9	1	KDMGAGAR + Oxidation (M)
853	688.3300	2061.9682	2061.9889	-0.0207	0	7	2.5	1	VGDSQNPLSDGDLSTMIGK + Oxidation (M)
663	530.8100	1589.4082	1589.8058	-0.3976	1	7	1.5	1	MAHYLEKALLDMR
401	429.1400	1284.3982	1284.5921	-0.1939	0	7	3	1	ENGSNLAFMFR
434	434.9000	1301.6782	1301.7052	-0.0270	1	7	3.2	1	KPVSRDGLTSSR
607	517.2600	1548.7582	1548.8810	-0.1228	2	7	3.4	1	AVCRLSVKFGATLK
411	429.2200	1284.6382	1284.6245	0.0137	0	7	3.1	1	VAHMESSLQAR
422	429.5700	1285.6882	1285.7605	-0.0724	1	7	3.3	1	GTDTVAGIALIKK
116	449.2300	896.4454	896.5304	-0.0850	2	7	2.7	1	SKHLRTR
532	469.7800	1406.3182	1406.7014	-0.3833	2	7	1.6	1	SRTPPRSYNSSR
305	587.7300	1173.4454	1173.7016	-0.2561	2	7	3.6	1	ILMGSTLRKR
215	530.7400	1059.4654	1059.6223	-0.1568	1	7	4.1	1	ATRSILMLR
582	498.2300	1491.6682	1491.7504	-0.0822	2	7	3.1	1	EDRHAYAMKVLSK + Oxidation (M)
615	521.7400	1562.1982	1561.8828	0.3154	1	7	1.7	1	LKVLATAFDTTLGR
69	430.9000	859.7854	859.4399	0.3455	0	7	4.4	1	EDIASVAR
126	453.7500	905.4854	905.5698	-0.0844	2	7	3.8	1	GKVFSKLLK
250	536.7900	1071.5654	1071.6149	-0.0494	2	7	3.7	1	SRNEALRVK
68	430.8600	859.7054	859.4334	0.2720	0	7	4.6	1	CNRPSVK
619	521.7900	1562.3482	1562.7219	-0.3737	2	7	0.77	1	RNSGAMDIERNR + Oxidation (M)
766	587.7700	1760.2882	1759.8999	0.3883	2	7	2.1	1	QQAQNIKMSKQTAR
29	415.2100	828.4054	828.4705	-0.0651	0	7	4.6	1	LVGGTTPGK
530	702.3300	1402.6454	1402.7205	-0.0750	0	7	3.4	1	EQLAELQNGFVR
193	519.1200	1036.2254	1036.5526	-0.3271	2	7	3.2	1	HNPETRRK
350	411.0000	1229.9782	1229.6476	0.3306	2	7	3.3	1	SAHAKASRTSSK
467	447.1800	1338.5182	1338.8057	-0.2875	1	7	2.8	1	VQIPIMLVGNKK
28	415.1900	828.3654	828.4454	-0.0799	0	7	4.7	1	GVPSSQR
318	587.7600	1173.5054	1173.6580	-0.1525	1	7	3.8	1	ILNKWEMLK
858	696.3200	2085.9382	2086.0881	-0.1499	0	7	3	1	MVQPDPPANLVVSAIPGEPR
628	524.2600	1569.7582	1569.8483	-0.0901	1	7	3	1	KLMHQAALLGGMIR + 2 Oxidation (M)
611	519.1200	1554.3382	1554.7170	-0.3789	1	7	0.77	1	EGIMNPEVGMKYR + 2 Oxidation (M)
847	680.6700	2038.9882	2039.1124	-0.1242	2	7	2.8	1	VLADLGVTPTDKITNSGQRR
203	521.8200	1041.6254	1041.6335	-0.0080	2	7	3.7	1	KKGPPPPPK
326	587.7800	1173.5454	1173.6394	-0.0939	0	7	3.8	1	LLQVGFTPDGK
681	538.3400	1611.9982	1611.7960	0.2022	2	7	3.4	1	ASRDSLSEMKMLK + Oxidation (M)
593	504.2300	1509.6682	1509.8047	-0.1365	2	7	3.7	1	MMKRFISLDELK
667	530.8300	1589.4682	1589.7838	-0.3156	0	7	2.9	1	QPTTEHAAPWIPDK
755	587.7500	1760.2282	1759.8886	0.3395	1	7	3	1	KNCAILIENDQSISR
969	1104.1700	3309.4882	3309.6306	-0.1424	2	7	1.9	1	DLGDSKDVNGSPLSHATSFKFLSNWYIPK
741	582.7400	1745.1982	1744.8930	0.3052	1	7	3	1	CQWSEADALLAVVKR
407	429.2000	1284.5782	1284.7152	-0.1370	0	7	3.3	1	IIMTVFTFGIK + Oxidation (M)
545	712.8600	1423.7054	1423.8875	-0.1820	2	7	3.4	1	IPRITSDRLLIK

67	430.8000	859.5854	859.4875	0.0979	2	7	4.9	1	DKKSGGLGR
675	534.7600	1601.2582	1600.8672	0.3910	2	7	0.96	1	QLQEKLTDLKEKE
692	819.4000	1636.7854	1636.9624	-0.1770	1	6	3.4	1	ALVITIDTPVLGNRR
722	565.2700	1692.7882	1692.8353	-0.0471	1	6	3.3	1	DGDGTITTKELGTVMR
727	854.3400	1706.6654	1706.8111	-0.1457	0	6	3.1	1	QQSEEDLLQDFSR
316	587.7600	1173.5054	1173.6540	-0.1485	1	6	3.9	1	LIKPMKDGTR + Oxidation (M)
844	680.3100	2037.9082	2038.0479	-0.1397	0	6	2.9	1	LLTLTTFMSHVMSIETAK + Oxidation (M)
89	440.2600	878.5054	878.5589	-0.0535	0	6	4.1	1	VNPILPVK
97	445.0900	888.1654	888.3937	-0.2283	0	6	4.7	1	GDSGQPSNK
629	786.3100	1570.6054	1570.7198	-0.1144	0	6	3.4	1	AGHASGAAMWPGTDVK + Oxidation (M)
884	738.0500	2211.1282	2211.1503	-0.0222	2	6	3.1	1	QNLAEMLAMDPNKAVPLRK + Oxidation (M)
733	571.3000	1710.8782	1710.8536	0.0245	1	6	3.3	1	QNPSNTNEEKPKTPK
680	538.2600	1611.7582	1611.7715	-0.0134	0	6	3.6	1	DWVMLSLSNFTQR + Oxidation (M)
142	466.2500	930.4854	930.5022	-0.0167	0	6	4.9	1	EVISAVADK
673	533.2700	1596.7882	1596.7640	0.0242	0	6	3.1	1	ISGLDYMDGGLLMGR
641	530.7400	1589.1982	1588.9148	0.2834	2	6	2.1	1	SLLSKARVIDSSSVK
421	429.5400	1285.5982	1285.7354	-0.1372	2	6	3.7	1	KKSLLNNEEVAR
750	587.7500	1760.2282	1759.8886	0.3395	1	6	3.2	1	KNCAILIENDQSISR
291	573.2300	1144.4454	1144.5949	-0.1494	1	6	4	1	SGTNNVAQARK
548	476.2400	1425.6982	1425.7584	-0.0603	0	6	3.2	1	LMHQAAALLGGMIR + Oxidation (M)
396	427.9200	1280.7382	1280.7061	0.0320	2	6	3.4	1	VSAHTRAVRER
365	413.8100	1238.4082	1238.6731	-0.2650	0	6	3.6	1	TVLTGATGHLNR
494	453.2700	1356.7882	1356.7224	0.0658	1	6	3.9	1	KVYVTLTCAFR
700	548.3300	1641.9682	1641.9011	0.0670	0	6	3.6	1	LLTQMLPPSVAESLK + Oxidation (M)
860	702.3600	2104.0582	2104.2408	-0.1827	1	6	3	1	KLTHLLNAVTDALVWVIK
123	453.1700	904.3254	904.5130	-0.1876	0	6	5.2	1	LIQQTFR
478	448.2700	1341.7882	1341.7365	0.0517	2	6	4.3	1	GADGKTGAKIATPR
102	447.0300	892.0454	892.3886	-0.3432	0	6	1.8	1	SESGSSPSR
880	1103.9100	2205.8054	2206.1230	-0.3175	0	6	3	1	KPSVSELTNFVHPSANSDTVK
420	429.5400	1285.5982	1285.7102	-0.1120	1	6	3.9	1	LAAGGKALGSAQSR
208	523.7200	1045.4254	1045.6066	-0.1812	2	6	4.8	1	KAMIVRNAK + Oxidation (M)
697	548.3100	1641.9082	1641.8297	0.0785	1	6	3.7	1	CVFGRSTIQLGNYK
325	587.7800	1173.5454	1173.6652	-0.1197	2	6	4.3	1	LEKLLRCR
620	521.8100	1562.4082	1562.7949	-0.3867	1	6	2.2	1	VMMVAKTFLDAGHK + Oxidation (M)
410	429.2200	1284.6382	1284.6384	-0.0002	1	6	3.7	1	SEFSISSKICK
402	429.1800	1284.5182	1284.7442	-0.2260	0	6	3.7	1	GLFIIDPNGVIK
297	389.2000	1164.5782	1164.6801	-0.1019	2	6	4	1	FLSKVLMRR + Oxidation (M)
110	447.8800	893.7454	893.4970	0.2484	2	6	3.9	1	AKAGEKYK
926	854.7400	2561.1982	2561.1502	0.0480	1	6	2.5	1	KQGGCSCSWAFPVGTGAIEGQMFK + Oxidation (M)
949	945.8700	2834.5882	2834.4504	0.1378	0	6	2.4	1	FFAPAILSPNLFQLTPHHTDPQTSR
405	429.1900	1284.5482	1284.6310	-0.0828	0	6	3.8	1	SPSEGPVATTSPR
857	691.3100	2070.9082	2071.1235	-0.2153	1	6	3.2	1	KVLEPMPTTAEISTSGAVLK
290	571.3000	1140.5854	1140.6325	-0.0470	0	6	3.8	1	AMPLQPSILR + Oxidation (M)
479	449.2000	1344.5782	1344.6773	-0.0991	0	6	4.2	1	ETLPAEQDLTTK
124	453.2400	904.4654	904.5130	-0.0476	0	6	5.5	1	YIVVGAQR
881	1104.1700	2206.3254	2206.1753	0.1502	2	6	3.3	1	NTSRTHKIIPANMERPVRR + Oxidation (M)
670	532.0100	1593.0082	1592.8167	0.1915	1	6	3.8	1	FNKPCIMDVKIGR + Oxidation (M)
484	449.9100	1346.7082	1346.6071	0.1011	1	6	3.9	1	MDEMRRQLHK + 2 Oxidation (M)
876	1092.9200	2183.8254	2184.1171	-0.2916	0	6	3.3	1	VHAVIGVLMDDTDPLVTVMK + 2 Oxidation (M)
409	429.2200	1284.6382	1284.7765	-0.1383	1	6	3.9	1	LIKDAGLSVTLR
93	443.2200	884.4254	884.5304	-0.1049	2	6	4.1	1	KNQRALR
91	442.2000	882.3854	882.4195	-0.0341	1	6	3.3	1	TYNDKSR
360	618.2600	1234.5054	1234.6194	-0.1139	0	6	4.5	1	DSGLPSQGLSFK
803	624.6000	1870.7782	1870.9683	-0.1902	2	6	3.8	1	MSSETGPVAVDPTLRRR
20	411.3700	820.7254	820.3497	0.3757	0	6	4.7	1	NMEAGAGR + Oxidation (M)
519	461.7900	1382.3482	1382.7055	-0.3573	1	6	2.5	1	GWLHKQDSSGLR
805	625.0300	1872.0682	1871.9523	0.1159	2	6	3.6	1	LKASREVESVDLPNCR
64	429.5400	857.0654	857.4065	-0.3411	0	6	2.3	1	MAAPEPAR + Oxidation (M)
128	453.7800	905.5454	905.4791	0.0664	2	6	4.8	1	SASRSRSR
117	449.2600	896.5054	896.5443	-0.0389	0	6	3.5	1	TPLSRPVK
517	691.3100	1380.6054	1380.7612	-0.1558	0	6	3.9	1	QELQNLVAIPEK
645	530.7600	1589.2582	1588.9413	0.3169	1	6	0.95	1	EAKLVHNLNVILAR
144	466.7600	931.5054	931.4148	0.0907	0	6	5.7	1	EWAEQGQR
113	448.0500	894.0854	894.4606	-0.3752	2	6	2.5	1	FRMGGRR + Oxidation (M)
83	438.7300	875.4454	875.5229	-0.0774	0	6	5.4	1	NLITFLR
526	466.2500	1395.7282	1395.6560	0.0721	0	6	4	1	TPIQVMMMGNVK + 3 Oxidation (M)

597	508.2500	1521.7282	1521.7973	-0.0691	1	6	4.1	1	LDNLLN <b>M</b> AYGVKR + Oxidation (M)
634	526.8100	1577.4082	1577.7660	-0.3579	0	6	2.1	1	QVSN <b>G</b> HIAYFPAMK + Oxidation (M)
105	447.1900	892.3654	892.3886	-0.0232	0	6	5.1	1	SESGSSPSR
604	769.2500	1536.4854	1536.7572	-0.2718	1	6	3.6	1	RGVDYNAEIPFEK
798	622.3600	1864.0582	1863.9812	0.0770	1	6	3.9	1	VFVRPTNSCMKTIGVR
891	747.3700	2239.0882	2239.1769	-0.0888	1	6	3.7	1	ASKSKPLTLLEYNL <b>T</b> MDTAK + Oxidation (M)
443	439.8900	1316.6482	1316.6871	-0.0389	1	6	4.6	1	GVVLGGCGDKSIR
955	960.1000	2877.2782	2877.4915	-0.2133	1	6	2.1	1	<b>M</b> RSSAALALLLCAGQV <b>F</b> ALPVNS <b>P</b> MTK + 2 Oxidation (M)
276	559.3400	1116.6654	1116.5710	0.0945	0	6	4.9	1	NLEM <b>R</b> PSVR + Oxidation (M)
304	587.7300	1173.4454	1173.6652	-0.2197	2	6	4.8	1	L <b>N</b> AMKLNRAK + Oxidation (M)
52	429.2200	856.4254	856.4039	0.0216	0	6	4.9	1	QSPAS <b>P</b> DR
940	890.3700	2668.0882	2668.3087	-0.2206	2	5	2.8	1	EAMQAYSESL <b>M</b> SPAAGTVLQ <b>E</b> AKL + Oxidation (M)
470	447.2100	1338.6082	1338.6932	-0.0850	1	5	3.7	1	TYST <b>F</b> SGLAKHK
638	530.3000	1587.8782	1587.8733	0.0049	0	5	4.8	1	THINIVVIGHVDSGK
716	562.3300	1683.9682	1683.9268	0.0414	2	5	4.4	1	SPLPTKRGASSSLDR
734	573.2300	1716.6682	1716.8076	-0.1394	1	5	4.4	1	NFS <b>P</b> RTPHVA <b>M</b> AMDK + Oxidation (M)
579	497.7200	1490.1382	1489.7525	0.3857	0	5	2.9	1	QHSAILAAPNPDEK
888	746.3700	2236.0882	2235.9606	0.1276	1	5	3.5	1	CHTCNTDRNAICVNCIK
296	582.7400	1163.4654	1163.5571	-0.0916	1	5	4.5	1	TEN <b>S</b> W <b>S</b> NKAK
747	587.7300	1760.1682	1759.8886	0.2795	1	5	4.6	1	KNCAIL <b>I</b> ENDQ <b>S</b> ISR
576	493.2900	1476.8482	1476.7143	0.1338	1	5	4.2	1	YCAEGGGPV <b>L</b> GRNK
169	490.2500	978.4854	978.5134	-0.0280	0	5	5.2	1	K <b>P</b> SSAAYQK
846	1020.4800	2038.9454	2039.0582	-0.1127	2	5	3.8	1	THLGTGTERSPGAMERVLK
432	434.2800	1299.8182	1299.5691	0.2491	0	5	4.9	1	QPPEASDSADQR
642	530.7500	1589.2282	1588.8977	0.3304	0	5	1.7	1	VVLPTSSVVSLWFR
930	855.7100	2564.1082	2564.2507	-0.1425	1	5	2.8	1	DYSTLTSLSSQGLPPIWEDGRSR
15	411.0000	819.9854	820.3749	-0.3894	0	5	0.91	1	<b>M</b> DLEAAR + Oxidation (M)
51	429.2000	856.3854	856.4039	-0.0184	0	5	5.3	1	QSPAS <b>P</b> DR
906	784.3400	2349.9982	2349.9511	0.0470	1	5	3.7	1	VR <b>M</b> EEEGEDG <b>E</b> MPSG <b>P</b> MASHK + 3 Oxidation (M)
278	560.3200	1118.6254	1118.5754	0.0501	1	5	5.7	1	K <b>A</b> MEAVAAQ <b>G</b> K + Oxidation (M)
53	429.2200	856.4254	856.5355	-0.1101	2	5	5.3	1	RVTRVAR
540	707.9700	1413.9254	1413.8278	0.0976	2	5	5.3	1	SIGFLPKMPRLR
495	453.7500	1358.2282	1358.6249	-0.3967	0	5	0.7	1	MEDGTLQAGPGGAR
609	775.8600	1549.7054	1549.8868	-0.1814	0	5	4.8	1	LLPGVG <b>V</b> YLSLYTR
399	429.0900	1284.2482	1284.6206	-0.3725	0	5	1.6	1	IDIM <b>V</b> T <b>M</b> GFAR + 2 Oxidation (M)
183	508.2500	1014.4854	1014.5709	-0.0855	0	5	6.7	1	DVNAA <b>T</b> ATIK
910	787.3500	2359.0282	2359.2019	-0.1737	1	5	3.7	1	ALFRADLALIDTPDAESVAESR
302	585.3600	1168.7054	1168.6815	0.0239	2	5	4.6	1	EP <b>I</b> AAGKLKDK
369	622.8200	1243.6254	1243.6707	-0.0452	1	5	5.5	1	SSRPLMKAPNK + Oxidation (M)
902	772.6900	2315.0482	2315.2233	-0.1751	2	5	3.8	1	IINEPTAAAIAYGLDRTGKGER
923	849.4400	2545.2982	2545.2417	0.0565	1	5	3.8	1	DPYGNRPLCIGRL <b>M</b> PVSDINDK + Oxidation (M)
317	587.7600	1173.5054	1173.7016	-0.1961	2	5	5.5	1	ILMGSTLRKR
914	796.8700	2387.5882	2387.3246	0.2635	1	5	2.6	1	GASSPGILVLTGLSKPFMRLLDK
303	587.3100	1172.6054	1172.5786	0.0269	0	5	5.9	1	GPNVTDSL <b>T</b> NR
946	924.9000	2771.6782	2771.5433	0.1349	1	5	2.7	1	LSILQPLILETLDALVDPKHSSVDR
905	1167.4800	2332.9454	2333.0383	-0.0928	0	5	3.7	1	N <b>M</b> VQADQEH <b>D</b> ASGWFDVLQK + Oxidation (M)
489	451.7600	1352.2582	1352.6502	-0.3920	0	5	1.7	1	MA <b>A</b> MLGDAIM <b>V</b> AK + 2 Oxidation (M)
664	530.8100	1589.4082	1589.8049	-0.3967	1	5	2.5	1	ILRE <b>S</b> SATNL <b>F</b> PE
389	634.3400	1266.6654	1266.6860	-0.0205	0	5	5.1	1	LLEVYDQLFK
553	722.3200	1442.6254	1442.7843	-0.1588	2	5	4.4	1	YEMLLKDY <b>L</b> KK
481	449.2600	1344.7582	1344.6747	0.0834	1	5	5.3	1	MNDSLLSYFKK
118	449.9100	897.8054	897.5647	0.2407	1	5	4.1	1	KPAVVEKK
42	428.0600	854.1054	854.3882	-0.2828	0	5	2.9	1	EDLE <b>G</b> HR
745	585.3600	1753.0582	1752.9998	0.0583	2	5	4.3	1	LWKLLSPAGLASRADR
691	545.7500	1634.2282	1633.9403	0.2879	2	5	2	1	RSILDDSFKL <b>S</b> LK
802	624.3300	1869.9682	1869.9229	0.0452	1	5	4.8	1	MPRYCLFGNNVTLASK
852	686.3700	2056.0882	2055.9585	0.1297	0	5	4.5	1	CWAEDPQERPPFQQIR
200	521.7800	1041.5454	1041.5495	-0.0040	1	5	5.7	1	KTYIFAGDK
375	416.8600	1247.5582	1247.6371	-0.0789	2	5	5.9	1	TRGWKGSNTNK
185	508.8100	1015.6054	1015.5774	0.0280	2	5	6.4	1	RSVEERIK
66	429.5700	857.1254	857.4032	-0.2777	0	5	6.7	1	GHTW <b>E</b> K
943	903.4600	2707.3582	2707.2579	0.1003	2	5	3.6	1	NASSIP <b>R</b> SESASKGLNQ <b>M</b> NNNSNGSNK + Oxidation (M)
138	464.6000	927.1854	927.4306	-0.2452	1	5	5.6	1	QCKM <b>F</b> AK + Oxidation (M)
413	429.2300	1284.6682	1284.7224	-0.0542	0	5	5.1	1	LVCLVTGAP <b>S</b> IR
590	751.3500	1500.6854	1500.7256	-0.0401	1	5	5.4	1	IGQICKNDFGGHR
687	544.8000	1631.3782	1631.7476	-0.3695	0	5	1.2	1	N <b>M</b> VQWSPFV <b>M</b> SFK + 2 Oxidation (M)

393	425.7900	1274.3482	1274.6619	-0.3137	1	5	5.3	1	KTVHYNPTSTK
488	675.3700	1348.7254	1348.6405	0.0849	1	5	5.2	1	LLDRDSCDTR
294	386.2900	1155.8482	1155.6611	0.1870	1	5	5.3	1	TVSEPNLKLK
57	429.2300	856.4454	856.4555	-0.0101	1	5	6.1	1	RSWSPSK
525	465.9400	1394.7982	1394.6945	0.1037	2	5	5.2	1	QVANMMVRMKR + 2 Oxidation (M)
952	958.0400	2871.0982	2871.4946	-0.3965	2	5	2.4	1	IGDTRLSTMETGTGLIRAMIEVINHK + Oxidation (M)
744	583.7400	1748.1982	1747.9984	0.1997	2	5	5	1	LLNELFARFDKLAAK
958	991.9200	2972.7382	2972.3557	0.3825	0	5	2.5	1	DLDDEQAGQVLITEDSDSLAVVHDCTK
306	587.7400	1173.4654	1173.6540	-0.1885	1	5	6.1	1	LIKPMKDGTR + Oxidation (M)
187	511.2900	1020.5654	1020.5352	0.0302	1	4	6.2	1	REIGEYVR
915	800.4000	2398.1782	2398.2427	-0.0645	2	4	4	1	SLGKGSAPPGPVPEGQIRVYSMR + Oxidation (M)
544	473.7700	1418.2882	1418.6460	-0.3578	0	4	1.3	1	RPAMLDNEADGSK + Oxidation (M)
395	641.3600	1280.7054	1280.7526	-0.0472	1	4	5.1	1	LKSVPMLVPPGIK + Oxidation (M)
825	661.2800	1980.8182	1981.0778	-0.2597	2	4	4.8	1	GLAPQNKPELQKVMK + Oxidation (M)
207	523.2800	1044.5454	1044.5611	-0.0156	1	4	6.9	1	MSARATPR
893	1126.9400	2251.8654	2252.1648	-0.2993	2	4	4.3	1	EQTEDSALHGIEELKKVAAGK
95	444.2200	886.4254	886.5487	-0.1233	1	4	7.9	1	KLVSLELK
76	434.2800	866.5454	866.4974	0.0481	0	4	4.6	1	RPEPQLK
960	1009.9000	3026.6782	3026.4841	0.1940	1	4	3.4	1	TMLRMSEITTPSGAPFTQPLSSNEIFR + Oxidation (M)
792	614.3700	1840.0882	1839.9414	0.1468	2	4	5.4	1	NTHCSSLPHYQKLKK
151	473.3300	944.6454	944.5403	0.1051	2	4	7.3	1	TLGQKKDR
284	563.7700	1125.5254	1125.5414	-0.0160	0	4	5.5	1	NEAGEAHASIK
737	860.0800	1718.1454	1717.8999	0.2455	1	4	5.3	1	AKGPGGTSDAYAVIQVGK
114	448.2700	894.5254	894.5287	-0.0033	0	4	5.1	1	ISVPGPAVR
12	404.1000	806.1854	806.3341	-0.1486	0	4	6.4	1	GNEGQMR + Oxidation (M)
94	444.2000	886.3854	886.4331	-0.0476	0	4	8.1	1	MAAAAPPSR + Oxidation (M)
406	429.1900	1284.5482	1284.5921	-0.0439	0	4	5.6	1	HGEPAPYLCNK
865	705.3100	2112.9082	2113.1181	-0.2099	1	4	4.9	1	NALRAAQPTGFPVFSRPER
699	548.3300	1641.9682	1641.8475	0.1207	0	4	5.6	1	GKPGPAEGDPSALPPR
109	447.8400	893.6654	893.4277	0.2378	0	4	5.8	1	NQTTTMAK
671	532.2900	1593.8482	1593.7688	0.0794	1	4	5.4	1	ASWERGFAHGSVYK
925	854.3400	2559.9982	2560.1654	-0.1673	0	4	3.7	1	HFLDYLQEFGLGVMSTEWAMEV + Oxidation (M)
40	426.9600	851.9054	851.5341	0.3713	1	4	0.53	1	THVVKLR
367	415.2100	1242.6082	1242.6754	-0.0672	1	4	6.2	1	MPNSTIPALKR + Oxidation (M)
427	432.0600	1293.1582	1293.5329	-0.3747	0	4	0.78	1	SSSDHEATAMMK
808	627.8100	1880.4082	1880.0116	0.3966	0	4	1.1	1	AGHVVLVSVEGTGLQASSLR
616	521.7600	1562.2582	1561.9119	0.3462	0	4	1.2	1	YPTLLEVLNLFK
520	464.2800	1389.8182	1389.6446	0.1736	0	4	6.7	1	DMDPSELVEALR + Oxidation (M)
458	666.3700	1330.7254	1330.7027	0.0228	1	4	6	1	IRELLQQMER + Oxidation (M)
358	412.2100	1233.6082	1233.6023	0.0058	1	4	6.8	1	KDDPMLLSSGR + Oxidation (M)
539	472.2500	1413.7282	1413.7650	-0.0368	1	4	6.7	1	SLNTEVHLKVMK + Oxidation (M)
504	682.3700	1362.7254	1362.6925	0.0329	2	4	6.2	1	NVEIRTCKDTK
669	796.8700	1591.7254	1592.0025	-0.2770	1	4	5.6	1	LILRLVGTPGAELLK
934	872.8100	2615.4082	2615.2294	0.1788	1	4	4.1	1	AHGRINPYMSSPCHIEMLITEK + 2 Oxidation (M)
56	429.2300	856.4454	856.5018	-0.0564	1	4	6.8	1	DKTPPAVK
437	435.8000	1304.3782	1304.5667	-0.1885	0	4	5.6	1	MNEDGLTPEQR + Oxidation (M)
973	1142.0200	3423.0382	3422.7955	0.2427	2	4	2.3	1	RQPRTLNFRPFMVVITDMSQSILFVAK
919	821.4100	2461.2082	2461.1795	0.0287	1	4	4.5	1	VRFYEGSELVADSGVTIDTTMR + Oxidation (M)
60	429.2500	856.4854	856.4879	-0.0024	1	4	7	1	GAKGLQQR
263	548.3100	1094.6054	1094.7036	-0.0982	1	4	5.8	1	TLRALRPLR
720	564.2900	1689.8482	1689.6078	0.2404	0	4	5.9	1	DPGMGAMGGMGGMGGGMF + Oxidation (M)
674	800.4000	1598.7854	1598.9216	-0.1362	1	4	5.9	1	SISASTVLRPVASRR
388	421.7600	1262.2582	1262.6102	-0.3521	1	4	3.7	1	RTESTPAGSETK
932	859.9000	2576.6782	2576.3744	0.3038	1	4	2.4	1	QMLTAAHALAVDAKNLLDVIDQAR
141	465.9400	929.8654	929.4930	0.3724	0	4	6.1	1	DALQGTGLR
121	451.9200	901.8254	901.5094	0.3161	2	4	8.2	1	VKGNRGSGK
818	958.0400	1914.0654	1913.9667	0.0987	2	4	5.8	1	TEGPSASTEAPANRSKR
665	530.8100	1589.4082	1589.7872	-0.3790	0	4	3.1	1	VAPGMELSNVTPGFR + Oxidation (M)
778	894.4700	1786.9254	1786.9076	0.0178	1	4	5.8	1	GIFGTWAKSISGLYCK
770	587.7800	1760.3182	1759.9794	0.3388	1	4	2.5	1	LMISDIKLFDPVCLK
584	747.0400	1492.0654	1491.8773	0.1882	1	4	5.8	1	KSTEPVQPRPLLK
715	561.3200	1680.9382	1680.9046	0.0335	0	4	5.9	1	EEVASALVHILQSTGK
742	583.3000	1746.8782	1746.8835	-0.0053	2	4	6.2	1	AIWSRADKAIMEGSGR
855	690.8800	2069.6182	2069.9874	-0.3692	2	4	2.3	1	CRNLKAMDITGSSDPYTK + Oxidation (M)
387	631.8000	1261.5854	1261.6343	-0.0488	0	4	7.2	1	AYVTQSGYFVK
528	466.7600	1397.2582	1397.6319	-0.3737	0	4	1.4	1	FLEMCDDLLAR + Oxidation (M)

838	673.9100	2018.7082	2018.9506	-0.2425	0	4	4.5	1	IISFEEMNPPENIDDIK + Oxidation (M)
392	425.7700	1274.2882	1274.6619	-0.3737	1	4	4.5	1	LAAEGSEPKFR
956	960.1200	2877.3382	2877.3320	0.0062	2	4	3.2	1	ALLEQMPSGSSSMAEAKSRAWTHCR + Oxidation (M)
819	959.3900	1916.7654	1916.8905	-0.1250	0	4	5.2	1	FGGAFSEEDSQLVVNYR
757	587.7600	1760.2582	1759.9039	0.3543	1	4	4.8	1	HQSEMALKNVFTALR + Oxidation (M)
446	661.2800	1320.5454	1320.7554	-0.2099	2	4	5.9	1	APNNVIKFYKK
92	443.2100	884.4054	884.5192	-0.1137	1	4	6.5	1	KRPSELR
728	854.7400	1707.4654	1707.8250	-0.3596	1	4	3.4	1	SGDATFPKAMDNTVTR
473	447.8400	1340.4982	1340.7412	-0.2430	1	4	6.6	1	LQAEIDALKGQR
772	587.7900	1760.3482	1759.9515	0.3966	2	4	1.7	1	CLYGALSDPIRRALR
935	873.0400	2616.0982	2616.2537	-0.1555	1	4	4.5	1	AVVMISCNRHTLAGNFPVSEER + Oxidation (M)
971	1128.3600	3382.0582	3381.7278	0.3303	2	4	2.4	1	DWKTQAMNVKPLKSASGYSDDILAIQDLFK
811	945.8700	1889.7254	1889.9635	-0.2381	1	4	5.5	1	VEYTKNVNPNWSNVK
890	747.3400	2238.9982	2239.0354	-0.0373	0	4	5.8	1	LATTALYFTYSALEEEEDR + Oxidation (M)
364	619.3000	1236.5854	1236.5405	0.0450	1	4	5.9	1	ADSRSESPCK
257	541.8300	1081.6454	1081.6244	0.0211	2	4	5.8	1	KEPLRSPQK
668	796.8600	1591.7054	1591.7631	-0.0576	1	4	6.4	1	KHPDSSVNFAEFSK
87	439.8900	877.7654	877.4770	0.2885	1	4	7.8	1	TFDRALR
506	682.9900	1363.9654	1363.5826	0.3828	1	4	7.4	1	KNHEMFEGNDK + Oxidation (M)
475	447.9000	1340.6782	1340.6837	-0.0055	1	4	7	1	NPEALAKWAEGR
503	455.1700	1362.4882	1362.6667	-0.1785	0	4	7.2	1	ETEPGEAYVIQK
557	484.0200	1449.0382	1448.6752	0.3630	1	4	6	1	VMDTDTCPNKIR
875	722.3500	2164.0282	2163.8750	0.1532	0	4	5.3	1	GNSELSEAENMDTPPDESK
415	429.2500	1284.7282	1284.7700	-0.0418	1	3	6.7	1	MLGVSLGARLLR
338	401.3000	1200.8782	1200.6900	0.1882	1	3	7.4	1	SLLPKLSCGVK
26	413.1900	824.3654	824.4657	-0.1003	1	3	5.9	1	RSIFFR
465	447.0300	1338.0682	1337.6761	0.3920	0	3	4	1	QISELHPICNK
55	429.2200	856.4254	856.4767	-0.0512	1	3	8	1	VTGKEPAR
186	510.2900	1018.5654	1018.4567	0.1088	1	3	8.5	1	DEQNEEKK
408	429.2200	1284.6382	1284.6608	-0.0227	1	3	6.9	1	ALRSMTAPEGPR
909	786.9000	2357.6782	2358.0468	-0.3686	0	3	1.7	1	MDMLDPGLDPASSATAAAAASHDK + Oxidation (M)
975	1167.4800	3499.4182	3499.7302	-0.3120	2	3	2.9	1	GIKQMYMNLPPQGEKIQLMYIWDGTGEGLR + 2 Oxidation (M)
353	411.1600	1230.4582	1230.5438	-0.0857	0	3	7.7	1	ASVMVYDDTSK + Oxidation (M)
129	455.1700	908.3254	908.4426	-0.1171	1	3	7.8	1	KYMPENK
685	812.0500	1622.0854	1621.7445	0.3410	0	3	6.1	1	GEPGAPGENTPGQAGAR
137	464.2800	926.5454	926.4167	0.1287	0	3	7.1	1	EMSEFIR + Oxidation (M)
719	563.7700	1688.2882	1687.8927	0.3955	2	3	2.1	1	EIIQKLMLDGDNRK + Oxidation (M)
551	479.8500	1436.5282	1436.6680	-0.1398	0	3	7.2	1	MFCVAPPELETK + Oxidation (M)
863	1055.8500	2109.6854	2110.0670	-0.3815	1	3	3.8	1	FRLHVEEGDILYAMYVR
125	453.2700	904.5254	904.5243	0.0012	1	3	10	1	RVNLTFR
152	473.7700	945.5254	945.5396	-0.0141	0	3	7.9	1	NVFNALIR
98	445.1700	888.3254	888.5069	-0.1814	0	3	9.6	1	SLVGSWLK
729	855.0500	1708.0854	1707.8250	0.2604	1	3	7	1	SGDATFPKAMDNTVTR
931	859.7100	2576.1082	2576.3018	-0.1937	1	3	5.2	1	GMDLLECIASGVPTPDIAWYKK
970	1126.9400	3377.7982	3377.5010	0.2972	2	3	3.7	1	NGGCEHICQESLGTAQCLCREGFVKAPDGK
630	786.3900	1570.7654	1570.8216	-0.0561	1	3	7.1	1	GWVNTLVGGQKEGAR
725	849.4400	1696.8654	1696.8533	0.0122	1	3	7.5	1	RNLSDDASALVFFSR
601	511.2900	1530.8482	1530.8076	0.0406	1	3	6.9	1	NLADLEVQMGAVKK + Oxidation (M)
777	890.3700	1778.7254	1778.7815	-0.0561	0	3	7.2	1	DDDIAALVVDNGSGMCK
968	1103.9100	3308.7082	3308.5700	0.1382	2	3	4.2	1	GMGQVLPPHLMERLIRQQEEMEDQR + 2 Oxidation (M)
817	635.2800	1902.8182	1902.9647	-0.1465	2	3	6.4	1	RTKDLADLQGSDSVAEAK
154	476.2400	950.4654	950.4379	0.0275	0	3	7.8	1	VDMDVAGTK + Oxidation (M)
889	747.0400	2238.0982	2238.2135	-0.1154	2	3	5.5	1	IANCWSQIFLYLKWRLK
828	663.6100	1987.8082	1988.0691	-0.2609	2	3	6.3	1	LLGNKSSLFPQGLEDSKR
63	429.5300	857.0454	857.3623	-0.3168	0	3	2.7	1	MSASTMAK + 2 Oxidation (M)
164	485.7500	969.4854	969.4628	0.0226	0	3	7.7	1	GSEHAGIGSR
400	643.2000	1284.3854	1284.6206	-0.2352	0	3	7.2	1	LTPTMMLYSGR + Oxidation (M)
961	1014.4700	3040.3882	3040.6777	-0.2895	2	3	4.6	1	TLKREGVCAASLPTTMGVVAGILVQNVLK + Oxidation (M)
740	873.0400	1744.0654	1743.9380	0.1274	1	3	8	1	QDLKQHVLIHTQER
796	619.3000	1854.8782	1854.8432	0.0350	0	3	7.3	1	CAGPGGGGGGAPGALWTEAR
959	1001.9100	3002.7082	3002.6164	0.0918	2	3	4.6	1	ERTYKLIQFVNQMAIHFSQVGNLIPK
374	624.6000	1247.1854	1247.5816	-0.3961	1	3	1.4	1	QKQAADAEMEK
635	790.3200	1578.6254	1578.7824	-0.1570	0	3	8.1	1	LVTMLSASGSSSHFAR + Oxidation (M)
771	587.7800	1760.3182	1759.9866	0.3316	2	3	3.2	1	QTCCLKTVVLLTDNKK
776	885.9000	1769.7854	1769.8907	-0.1053	2	3	7	1	KAEEEEELASPVREQR
947	932.8700	2795.5882	2795.4714	0.1168	2	3	5.6	1	KLVASMPLFANADPNFVTSMLTKLR + 2 Oxidation (M)

460	445.1700	1332.4882	1332.7006	-0.2124	1	3	8.6	1	TLAMDVMKPRR + Oxidation (M)
560	484.7600	1451.2582	1451.6497	-0.3915	1	3	1.3	1	GRADELCTMVER + Oxidation (M)
49	429.1900	856.3654	856.4476	-0.0822	0	3	9.1	1	LIESMHK
570	491.2400	1470.6982	1470.7136	-0.0155	2	3	7.6	1	ENPAPPKCKSEK
426	432.0300	1293.0682	1292.7354	0.3328	0	3	4.2	1	AVGHPFVIQLGR
948	941.8900	2822.6482	2822.4848	0.1634	1	3	5.1	1	NMLFSGTNTIAAGKAVGIVATTGVSTEIGK + Oxidation (M)
349	614.3700	1226.7254	1226.6910	0.0344	0	3	7.1	1	GAILSLLSYYK
773	588.3300	1761.9682	1761.8818	0.0863	1	3	8.1	1	LSPTSLMDDIERELK + Oxidation (M)
487	675.0600	1348.1054	1347.7259	0.3796	2	3	3	1	KYPSLANRNGTK
804	624.8800	1871.6182	1871.9213	-0.3032	2	3	6.1	1	GFCGSLSRSSGFLRWR
512	686.3700	1370.7254	1370.5958	0.1296	1	3	8.1	1	FMTMNAEDEKR
941	894.4700	2680.3882	2680.1529	0.2353	0	3	5.7	1	MCSWSLDMSTPQESMELVYNK + 2 Oxidation (M)
878	729.8400	2186.4982	2186.1591	0.3390	0	3	3.5	1	AITIASAVNCPLYIVHVMSK
115	449.2000	896.3854	896.4715	-0.0861	1	3	6.9	1	KIHENEK
439	438.7300	1313.1682	1313.5657	-0.3975	1	3	1.1	1	ETSETDTKEMK + Oxidation (M)
944	906.3600	2716.0582	2716.3279	-0.2697	2	3	4.5	1	RDVDNGLSLVVFSDWYNTSVMRK + Oxidation (M)
119	450.2400	898.4654	898.4079	0.0575	0	3	8.5	1	GNCNVAHK
285	564.2900	1126.5654	1126.4778	0.0876	0	3	8.8	1	DEGYEAAASK
793	616.7800	1847.3182	1846.9326	0.3856	0	3	4.1	1	KPYDIDWGNITVNVASR
38	425.7700	849.5254	849.4378	0.0876	0	3	9.7	1	MSGIALSR + Oxidation (M)
146	469.7800	937.5454	937.4803	0.0651	1	3	7.1	1	EAMIRFR + Oxidation (M)
100	446.2400	890.4654	890.4974	-0.0320	0	3	12	1	ALGVGFATR
622	521.8400	1562.4982	1562.8191	-0.3210	0	3	7.8	1	EEYAVLISEAQAIK
492	453.1700	1356.4882	1356.6270	-0.1388	1	2	9.3	1	NDFASGTSSRSTK
346	407.7400	1220.1982	1220.5408	-0.3427	0	2	2.5	1	SSEPTEDVETK
614	521.7400	1562.1982	1561.8320	0.3662	2	2	4.7	1	NQMNLLTMDVKKK
197	521.7400	1041.4654	1041.6586	-0.1932	0	2	9.7	1	KPLIVFTPK
824	643.2000	1926.5782	1926.9330	-0.3548	1	2	3.8	1	QTIHEEGCNSRTIINR
178	498.7900	995.5654	995.4528	0.1126	1	2	8	1	MEASKQMR + Oxidation (M)
780	599.3000	1794.8782	1794.8934	-0.0153	1	2	7.8	1	KPEGTINSVGFMTRK + Oxidation (M)
904	775.8600	2324.5582	2324.1761	0.3821	1	2	3.4	1	KTFPTVNPTTGEVIGHVABGDR
939	1334.8100	2667.6054	2667.2654	0.3400	0	2	5.2	1	DTLALKPMNCPAHCLMFAHRPR + 2 Oxidation (M)
972	1128.9500	3383.8282	3383.7222	0.1059	1	2	4.8	1	AVDGGVGHNQKTGIATVNVTLDDINDNHPTWK
696	821.9000	1641.7854	1641.8878	-0.1024	2	2	8.9	1	YLDIFIFAVKNEKR
59	429.2500	856.4854	856.5494	-0.0640	1	2	10	1	RALIGLSK
156	479.8500	957.6854	957.6222	0.0632	2	2	12	1	IIKTEVKK
161	484.3300	966.6454	966.5247	0.1208	0	2	8.3	1	HLLSGLGDR
688	544.8100	1631.4082	1631.7476	-0.3395	0	2	3.2	1	NMVQWSPFVMSFK + 2 Oxidation (M)
459	445.0900	1332.2482	1332.6027	-0.3545	1	2	2.7	1	RMSCHAVASGNK + Oxidation (M)
111	447.9000	893.7854	893.5334	0.2520	1	2	8.9	1	APKKPEPK
625	784.3400	1566.6654	1566.8916	-0.2261	1	2	9.2	1	VLGNMVHAIQIKTK + Oxidation (M)
535	705.3100	1408.6054	1408.7715	-0.1660	0	2	9.4	1	VADVFNVTYILR
377	416.9700	1247.8882	1247.7462	0.1420	1	2	11	1	AAVLRNQIHVK
648	530.7700	1589.2882	1588.9664	0.3217	1	2	1.3	1	IVKEHNLQVLGLVK
710	557.9900	1670.9482	1670.8456	0.1025	1	2	9.1	1	YLSYPAPDIKWYR
27	413.8100	825.6054	825.4457	0.1598	1	2	7.8	1	LSKDAHR
382	626.2300	1250.4454	1250.7095	-0.2640	1	2	10	1	LRAIQLDSHAK
196	521.7400	1041.4654	1041.5865	-0.1211	2	2	11	1	KVSMRLHR + Oxidation (M)
521	696.3200	1390.6254	1390.7755	-0.1500	2	2	9.8	1	VDNFLKVLKCR
654	530.7900	1589.3482	1589.7290	-0.3808	0	2	1.5	1	CAGCAQGISPDLVR
85	439.5400	877.0654	877.4368	-0.3713	0	2	7.4	1	YQMPVPK + Oxidation (M)
862	1055.4500	2108.8854	2108.9871	-0.1016	1	2	8.5	1	YTTMRQLGDGTYSVLMGK + 2 Oxidation (M)
899	1142.0200	2282.0254	2282.3223	-0.2968	1	2	7.5	1	DQLVRSALLALYTARPGGILR
398	428.7600	1283.2582	1283.5928	-0.3346	1	2	3.9	1	GLSMDRSPYSR + Oxidation (M)
781	599.3500	1795.0282	1794.9264	0.1017	1	2	8.9	1	VDFSLAGALNAGFKETR
555	481.9200	1442.7382	1442.6572	0.0810	1	2	9	1	EGAGEQKAHEMTR
917	817.7200	2450.1382	2450.4447	-0.3065	1	2	7.5	1	MNIFRLTGDLSHLAAIVILLK
718	563.7500	1688.2282	1687.8927	0.3355	1	2	6	1	VGLDATNCLRITDLK
896	1128.3600	2254.7054	2255.0935	-0.3880	2	2	3.1	1	TMMSTFGKMMVTPVELHKR + 2 Oxidation (M)
574	738.6900	1475.3654	1475.7330	-0.3675	0	2	6.2	1	IEEPEFIALCQK
898	755.8900	2264.6482	2264.2780	0.3702	0	2	1.7	1	LAPPLVTLLSGEPEVQYVALR
280	561.3200	1120.6254	1120.6968	-0.0714	1	2	11	1	IPPVLAEKVR
957	991.4300	2971.2682	2971.4467	-0.1785	1	2	6.6	1	VMQYVNGATTTHQLPVAEAMLCRHK + Oxidation (M)
816	634.3400	1899.9982	1899.9474	0.0507	0	2	9.3	1	LAMQEFMILPVGASSFK + 2 Oxidation (M)
78	434.9000	867.7854	867.3909	0.3946	0	2	8.1	1	SPNMTFR + Oxidation (M)
683	540.8200	1619.4382	1619.7760	-0.3378	1	2	7.3	1	KCAGCTNPISGLGGTK



527	466.7500	1397.2282	1397.6245	-0.3963	0	2	1.7	1	EGLADMEHQPK + Oxidation (M)
61	429.5100	857.0054	857.3814	-0.3759	0	2	1.4	1	ESHGCIR
412	429.2300	1284.6682	1284.6285	0.0397	1	1	11	1	RSNMEFLFNK
254	539.2700	1076.5254	1076.5978	-0.0724	2	1	13	1	EIFKQKER
922	833.8700	2498.5882	2498.3898	0.1983	2	1	4.7	1	ALGVNMMMRKIAVAASKPAVEIK
621	521.8200	1562.4382	1562.7623	-0.3241	2	1	8.3	1	YPAELDRAEMGRR
704	553.7700	1658.2882	1657.9199	0.3683	2	1	3.5	1	ARLGVWGMRLVLTQR + Oxidation (M)
19	411.2200	820.4254	820.3497	0.0757	0	1	13	1	NMEAGAGR + Oxidation (M)
659	530.7900	1589.3482	1588.9664	0.3817	1	1	1.7	1	IVKEHNLQVLGLVK
9	398.7700	795.5254	795.4351	0.0903	1	1	9.3	1	RVAEGHK
468	447.1900	1338.5482	1338.6099	-0.0617	0	1	9.5	1	HCVSSTSPATHR
155	478.2700	954.5254	954.5750	-0.0495	0	1	11	1	ASDVLPIK
951	949.4400	2845.2982	2845.4935	-0.1954	0	1	7.7	1	LCIYTDNSVKPQELLEWEVLVLGK
104	447.1800	892.3454	892.4511	-0.1056	0	1	14	1	CLAVGMVK + Oxidation (M)
210	526.6800	1051.3454	1051.4791	-0.1336	0	1	11	1	CNTTVCLGK
714	561.2900	1680.8482	1680.9046	-0.0565	0	1	11	1	EEVASALVHILQSTGK
678	536.7900	1607.3482	1607.0498	0.2984	2	1	2.7	1	VLRAKLTISVIPGLK
897	1128.9500	2255.8854	2256.2114	-0.3259	0	1	8.6	1	TLGPLADYLVVNVSSPNTAGLR
644	530.7600	1589.2582	1588.9123	0.3459	1	1	2.7	1	LIIVMTPTNVVRR + Oxidation (M)
801	624.2900	1869.8482	1869.9796	-0.1314	0	1	11	1	TLEEQNQLLSAELGGLR
384	418.8900	1253.6482	1253.5710	0.0771	0	1	11	1	FGSLCEVETGR
911	790.3200	2367.9382	2368.1468	-0.2086	2	1	8.1	1	LGDTKELEDFIADLDRTLASM + Oxidation (M)
937	884.3500	2650.0282	2650.3510	-0.3228	2	1	7.1	1	LYNNHEIRSGKHIGVCISVANNR
279	561.2900	1120.5654	1120.6063	-0.0408	1	1	13	1	FMNLIKEAR
46	429.1800	856.3454	856.4879	-0.1424	2	1	14	1	RVSKDPR
431	433.0600	1296.1582	1295.7813	0.3769	1	1	1.5	1	IVIPTDLERLK
81	435.8000	869.5854	869.6062	-0.0208	2	1	13	1	VVGKKLVK
830	664.2900	1989.8482	1990.1476	-0.2994	1	1	13	1	IFRQPQGHLLIGVSGAGK
815	949.4400	1896.8654	1896.8808	-0.0154	1	1	11	1	MEIDDLASNMETVSKAK + Oxidation (M)
486	675.0200	1348.0254	1347.7398	0.2857	0	1	11	1	NLVDSYVAIINK
879	734.8600	2201.5582	2201.2460	0.3122	2	1	3.1	1	LIEFYAPEPAVDVTRKILK
592	752.3600	1502.7054	1502.7213	-0.0158	0	1	13	1	GNVQLETSEDVGQK
841	675.3700	2023.0882	2023.0673	0.0209	1	1	12	1	LPGVNMFEGHGHKLDLLR
588	498.7900	1493.3482	1493.7184	-0.3702	1	1	5.7	1	EKSPSTEFIGMPR + Oxidation (M)
631	786.9000	1571.7854	1571.7184	0.0670	1	1	13	1	KVLCGGEPCEPENG
339	602.6500	1203.2854	1203.6645	-0.3791	2	1	13	1	LDKVLSDMKR
184	508.3200	1014.6254	1014.5346	0.0909	0	1	19	1	AVNSATGVPTV
883	737.8700	2210.5882	2210.9824	-0.3942	1	1	2.7	1	DMGSKEVLMESPPDYSTGPR + Oxidation (M)
907	786.3100	2355.9082	2356.1423	-0.2341	0	1	9.9	1	WEHSPAVFLPGPCVYSAAPVGR
849	682.3700	2044.0882	2044.1351	-0.0469	0	1	13	1	VVGVGASGSSVSIMVANILR + Oxidation (M)
736	859.9000	1717.7854	1717.7981	-0.0127	0	1	13	1	FLSSCGYVSTDQLNK
516	691.0000	1379.9854	1379.7633	0.2221	1	1	14	1	RTSQPGGAALPGLR
171	493.2900	984.5654	984.5505	0.0150	1	1	15	1	IPTSFHRK
886	738.9100	2213.7082	2213.3374	0.3708	0	1	5.5	1	APILLSILVNFVLFICIIR
929	855.6800	2564.0182	2564.2442	-0.2260	2	1	7.6	1	SDHPAVARMRVSDNAYIGVTYK
336	599.3500	1196.6854	1196.5972	0.0883	1	0	12	1	SQAKVSGMFAR + Oxidation (M)
511	457.7500	1370.2282	1370.6062	-0.3781	0	0	1.9	1	DPAEGETQGNPTR
976	1334.8100	4001.4082	4001.0874	0.3208	0	0	2.4	1	AALPMLWTGLVLLGLGFQPTPAQGHDTVPNFQQDK
768	587.7800	1760.3182	1760.0097	0.3085	2	0	5.7	1	VLTYEWRLGNKLLR
652	530.7800	1589.3182	1588.9188	0.3994	2	0	1.3	1	YTLPEKRETVILK
661	530.7900	1589.3482	1589.6919	-0.3438	1	0	2.1	1	MDVDEDTAEKFYK
813	631.8000	1892.3782	1891.9832	0.3950	1	0	4.8	1	REGHPILFLYYEDLK
355	411.3700	1231.0882	1230.7084	0.3798	1	0	3	1	AIKLAANDFLR
953	959.3900	2875.1482	2875.4071	-0.2589	2	0	7.2	1	ADFVLMDTVSMPEFMANLRLRFK + Oxidation (M)
573	738.0500	1474.0854	1473.7722	0.3133	2	0	12	1	RQRMESALDQLK
34	417.2800	832.5454	832.4807	0.0648	0	0	18	1	LLSTFPR
965	1055.8500	3164.5282	3164.7703	-0.2421	2	0	8	1	KPMVVLGSSALQRDDGAAILAIVSSIAQKIR
22	412.2100	822.4054	822.4157	-0.0102	0	0	14	1	SMLDTIK + Oxidation (M)
954	959.7800	2876.3182	2876.4789	-0.1607	2	0	8.5	1	QRSRLSIMAQYLCNVEHLFTIPGK + Oxidation (M)
77	434.8100	867.6054	867.4450	0.1604	0	0	13	1	VSPPESPR
647	530.7600	1589.2582	1588.8646	0.3935	2	0	3.5	1	ELLAEKWKAMNK + Oxidation (M)
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24	412.7700	823.5254							
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### Search Parameters

Type of search : MS/MS Ion Search  
Enzyme : Trypsin  
Fixed modifications : Carbamidomethyl (C)  
Variable modifications : Oxidation (M)  
Mass values : Monoisotopic  
Protein Mass : Unrestricted  
Peptide Mass Tolerance :  $\pm 0.4$  Da  
Fragment Mass Tolerance :  $\pm 0.4$  Da  
Max Missed Cleavages : 2  
Instrument type : ESI-4SECTOR  
Number of queries : 976

Mascot: <a href="http://www.matrixscience.com/">http://www.matrixscience.com/</a>
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