



Mascot Search Results

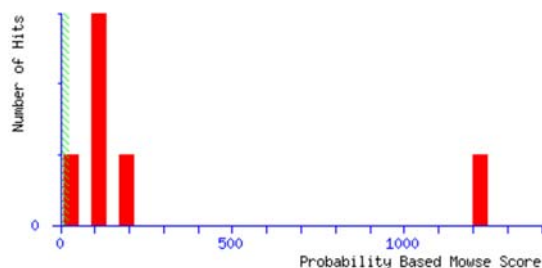
User :
Email :
Search title :
MS data file : C:\Dokumente und Einstellungen\Juliane\Eigene Dateien\Qtrap-files\Quantifizierung 25092008\Qtrap0016153-1.m
Database : Sprot 51.6 (257964 sequences; 93947433 residues)
Taxonomy : Rattus (5769 sequences)
Timestamp : 2 Oct 2008 at 12:02:38 GMT
Protein hits : [ANPRA_RAT](#) 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)
[HS90A_RAT](#) Heat shock protein HSP 90-alpha (HSP 86) - Rattus norvegicus (Rat)
[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)
[RBM10_RAT](#) RNA-binding protein 10 (RNA-binding motif protein 10) (S1-1 protein) - Rattus norvegicus (Rat)
[GRP78_RAT](#) 78 kDa glucose-regulated protein precursor (GRP 78) (Heat shock 70 kDa protein 5) (Immunoglobulin heavy chain binding protein) - Rattus norvegicus (Rat)
[MMP10_RAT](#) Stromelysin-2 precursor (EC 3.4.24.22) (Matrix metalloproteinase-10) (MMP-10) (Transin-2) (SL-2)

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 $p <$ 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: 1221 Queries matched: 39 emPAI: 1.30
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)
☐ Check to include this hit in error tolerant search or archive report

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Peptide
34	409.1700	816.3254	816.4031	-0.0777	0	31	0.016	1	R.FTAHWR.V
178	438.7600	875.5054	875.5480	-0.0426	1	35	0.0064	2	R.KVLFEELK.H
245	457.8100	913.6054	913.4869	0.1186	0	37	0.0032	1	K.IHLSSETK.A
295	491.1900	980.3654	980.4814	-0.1160	0	33	0.0065	1	R.TQAYLEEK.R
322	516.2100	1030.4054	1030.5447	-0.1393	0	58	2.8e-005	1	K.ELVSELWR.V
329	519.2000	1036.3854	1036.5342	-0.1487	0	41	0.0012	1	R.TYWLLGER.G
330	519.2300	1036.4454	1036.5342	-0.0887	0	(38)	0.0027	1	R.TYWLLGER.G
331	519.2400	1036.4654	1036.5342	-0.0687	0	(33)	0.0072	1	R.TYWLLGER.G
344	526.7700	1051.5254	1051.5550	-0.0295	0	32	0.01	1	R.YSLTNDIVK.G
364	536.7800	1071.5454	1071.6110	-0.0656	0	86	4.7e-008	1	R.MALALLDAVR.S
375	544.7400	1087.4654	1087.6059	-0.1405	0	(52)	0.00012	1	R.MALALLDAVR.S + Oxidation (M)
376	544.7500	1087.4854	1087.6059	-0.1205	0	(46)	0.00047	1	R.MALALLDAVR.S + Oxidation (M)
383	548.2800	1094.5454	1094.6448	-0.0993	0	(31)	0.012	1	R.VGPAVELALAR.V
384	548.2800	1094.5454	1094.6448	-0.0993	0	60	1.3e-005	1	R.VGPAVELALAR.V
386	549.7900	1097.5654	1097.6233	-0.0579	0	31	0.013	1	K.LWTAPELLR.M
387	550.2700	1098.5254	1098.5710	-0.0455	0	54	5.7e-005	1	R.SFQGVGTGYLK.I
391	556.2100	1110.4054	1110.5418	-0.1363	0	51	0.00011	1	R.DVQNEHLTR.F
473	600.7300	1199.4454	1199.5822	-0.1368	0	52	0.0001	1	K.ITDYGLESFR.D
721	680.2600	1358.5054	1358.6466	-0.1412	0	32	0.0097	1	R.WEDLQPSLER.H
792	714.2700	1426.5254	1426.6915	-0.1660	0	63	8.2e-006	1	R.VIYICSSPDAFR.N
812	490.2000	1467.5782	1467.6994	-0.1212	0	33	0.0065	1	R.DPEPEQGHTLFAK.K
816	737.7900	1473.5654	1473.7423	-0.1768	0	76	4e-007	1	K.ENSSNILDNLLSR.M
818	738.9000	1475.7854	1475.9075	-0.1221	0	74	6.6e-007	1	R.VPLLTAGAPALGIGVK.D

819	747.3000	1492.5854	1492.7085	-0.1231	0	(34)	0.0057	1	K.EPDNPEYLEFLK.Q
820	747.3100	1492.6054	1492.7085	-0.1031	0	51	0.00012	1	K.EPDNPEYLEFLK.Q
823	748.3500	1494.6854	1494.7943	-0.1088	0	49	0.00018	1	K.SAQGLVPQKPWER.G
827	752.2600	1502.5054	1502.6824	-0.1769	0	47	0.00033	1	R.YCLFGDTVNTASR.M
828	752.3000	1502.5854	1502.6824	-0.0969	0	(36)	0.0038	1	R.YCLFGDTVNTASR.M
832	755.7500	1509.4854	1509.7715	-0.2861	0	(62)	1e-005	1	R.SGVFVVEGLDLSPK.E
835	755.8500	1509.6854	1509.7715	-0.0861	0	86	3.9e-008	1	R.SGVFVVEGLDLSPK.E
941	821.3500	1640.6854	1640.8603	-0.1748	0	50	0.00016	1	K.LYWPLGYPPDPVK.C
955	556.2400	1665.6982	1665.8250	-0.1268	0	70	1.7e-006	1	K.AVLEEFDGFELELR.G
1024	911.4300	1820.8454	1820.9343	-0.0888	0	74	5.2e-007	1	K.VETIGDAYMVVSGLPVR.N + Oxidation (M)
1037	941.8300	1881.6454	1881.8414	-0.1960	0	77	2.3e-007	1	R.MEQYANNLEELVEER.T + Oxidation (M)
1038	628.3100	1881.9082	1881.8414	0.0668	0	(63)	6.4e-006	1	R.MEQYANNLEELVEER.T + Oxidation (M)
1059	1001.8300	2001.6454	2001.8415	-0.1960	0	(55)	2.9e-005	1	R.DTDFSLWMDMPETGAFR.V
1064	1009.8400	2017.6654	2017.8364	-0.1709	0	(76)	2.4e-007	1	R.DTDFSLWMDMPETGAFR.V + Oxidation (M)
1065	1009.8600	2017.7054	2017.8364	-0.1309	0	78	1.8e-007	1	R.DTDFSLWMDMPETGAFR.V + Oxidation (M)
1093	704.6200	2110.8382	2111.0826	-0.2445	1	48	0.0002	1	K.IITYKEPDNPEYLEFLK.Q

2. [HS90A_RAT](#) Mass: 85161 Score: 154 Queries matched: 5 emPAI: 0.21

Heat shock protein HSP 90-alpha (HSP 86) - 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
334	520.2100	1038.4054	1038.4869	-0.0815	0	40	0.0014	1	R.YESLTDPK.L
424	576.2200	1150.4254	1150.5506	-0.1251	0	46	0.00041	1	K.YIDQEELNK.T
504	621.7700	1241.5254	1241.6979	-0.1725	0	55	5.6e-005	1	K.ADLINNLGTIAK.S
602	646.2400	1290.4654	1290.6303	-0.1648	0	41	0.0013	1	R.ELISNSSDALDK.I
644	656.2400	1310.4654	1310.5626	-0.0972	0	57	2.6e-005	1	K.EDQTEYLEER.R

3. [ANPRB_RAT](#) Mass: 117908 Score: 142 Queries matched: 7 emPAI: 0.12

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

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

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Peptide
178	438.7600	875.5054	875.5116	-0.0062	0	36	0.005	1	R.QVLFELK.H
295	491.1900	980.3654	980.4814	-0.1160	0	33	0.0065	1	R.TQAYLEEK.R
329	519.2000	1036.3854	1036.5342	-0.1487	0	41	0.0012	1	R.TYWLLGER.K
330	519.2300	1036.4454	1036.5342	-0.0887	0	(38)	0.0027	1	R.TYWLLGER.K
331	519.2400	1036.4654	1036.5342	-0.0687	0	(33)	0.0072	1	R.TYWLLGER.K
827	752.2600	1502.5054	1502.6824	-0.1769	0	47	0.00033	1	R.YCLFGDTVNTASR.M
828	752.3000	1502.5854	1502.6824	-0.0969	0	(36)	0.0038	1	R.YCLFGDTVNTASR.M

4. [RBM10_RAT](#) Mass: 94672 Score: 79 Queries matched: 2 emPAI: 0.07

RNA-binding protein 10 (RNA-binding motif protein 10) (S1-1 protein) - 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
378	545.6900	1089.3654	1089.5051	-0.1396	0	52	0.00012	1	R.DGLGSDNIGSR.M
725	683.2400	1364.4654	1364.6096	-0.1441	0	50	0.00016	1	R.GSSYGVSTESYK.E

5. [GRP78_RAT](#) Mass: 72473 Score: 76 Queries matched: 2 emPAI: 0.09

78 kDa glucose-regulated protein precursor (GRP 78) (Heat shock 70 kDa protein 5) (Immunoglobulin heavy chain-binding p

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

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Peptide
365	537.7300	1073.4454	1073.5465	-0.1011	0	39	0.0022	1	K.ITITNDQNR.L
484	614.7600	1227.5054	1227.6207	-0.1153	0	62	1e-005	1	R.VELIANDQGNR.I

6. [MMP10_RAT](#) Mass: 54529 Score: 31 Queries matched: 1 emPAI: 0.06

Stromelysin-2 precursor (EC 3.4.24.22) (Matrix metalloproteinase-10) (MMP-10) (Transin-2) (SL-2) (Transformation-associ

☐ 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"/> 357	534.7200	1067.4254	1067.5764	-0.1509	2	31	0.0097	1	R.KNEKQFFK.R

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

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Peptide
1006	583.8000	1748.3782	1748.6553	-0.2771	0	30	0.0027	1	ECCHGDLLECADDR
1109	737.6000	2209.7782	2210.0967	-0.3186	0	30	0.011	1	LGEHNINVLGDEQFINAAK
540	628.3100	1254.6054	1254.5550	0.0504	0	29	0.02	1	MEQYANNLEK + Oxidation (M)
94	425.7200	849.4254	849.4596	-0.0342	0	28	0.025	1	IGDFGLTK
186	441.1900	880.3654	880.4477	-0.0822	0	28	0.021	1	EFILMGR + Oxidation (M)
290	484.6900	967.3654	967.4611	-0.0956	0	25	0.037	1	DEYALTTR
250	459.7400	917.4654	917.4706	-0.0051	0	25	0.058	1	VLEDSDLK
231	449.7500	897.4854	897.4742	0.0112	0	25	0.047	1	LCVLHEK
16	395.2000	788.3854	788.4280	-0.0425	0	24	0.09	1	IVEEATK
1033	622.2200	1863.6382	1863.7979	-0.1597	0	24	0.055	1	CDMLTDPNQEVLEER + Oxidation (M)
553	425.1800	1272.5182	1272.7410	-0.2228	2	24	0.08	1	VMTGGRILMKK
615	431.2500	1290.7282	1290.6568	0.0714	0	23	0.079	1	GLPASINTAYER
13	394.2300	786.4454	786.4712	-0.0257	1	23	0.11	1	RIELTR
390	554.2400	1106.4654	1106.5608	-0.0953	0	22	0.095	1	ALAAAGYDVEK
7	387.7000	773.3854	773.4647	-0.0792	1	22	0.15	1	SVAKLEK
3	386.1900	770.3654	770.4399	-0.0744	0	21	0.12	1	QAGVAIGR
293	489.1700	976.3254	976.5739	-0.2485	2	21	0.15	1	KGVKAMSLK + Oxidation (M)
281	474.7000	947.3854	947.4389	-0.0534	0	21	0.14	1	FYEQFSK
399	560.7300	1119.4454	1119.5560	-0.1106	1	21	0.14	1	YKDDPVDLR
472	599.2800	1196.5454	1196.6077	-0.0623	0	20	0.13	1	IPVGSGETFYK
373	543.8300	1085.6454	1085.6557	-0.0102	1	20	0.18	1	QAILAVKSTR
45	413.1600	824.3054	824.4327	-0.1272	1	19	0.16	1	SRLMFR + Oxidation (M)
506	415.0000	1241.9782	1241.6550	0.3232	1	19	0.19	1	AIEARHASLMK + Oxidation (M)
267	472.6900	943.3654	943.4359	-0.0705	0	19	0.27	1	QDDGGSPIR
773	472.6900	1415.0482	1414.8296	0.2185	0	19	0.19	1	GPPGAGLTVPPALLR
857	509.9300	1526.7682	1526.7365	0.0317	0	18	0.21	1	SLTNDWEDHLAVK
298	499.2400	996.4654	996.5465	-0.0810	1	18	0.2	1	GGVGGAGAAPRK
410	566.2300	1130.4454	1130.6659	-0.2205	1	18	0.24	1	LKLSTSEVVR
950	550.7100	1649.1082	1648.9148	0.1934	0	18	0.2	1	TQEQLANQGLIPPLK
1018	596.5900	1786.7482	1786.9200	-0.1718	0	18	0.21	1	TITLEVEPSDTIENVK
409	565.6900	1129.3654	1129.6091	-0.2437	2	18	0.26	1	EKVKNVEER
18	395.6800	789.3454	789.4021	-0.0567	0	18	0.31	1	LTDWQK
922	536.7800	1607.3182	1606.9518	0.3663	1	18	0.053	1	TLVLVPLANNRER
1070	679.2500	2034.7282	2035.0922	-0.3641	2	18	0.2	1	SVLNNPSKHAIERSNTR
1054	659.3100	1974.9082	1974.9887	-0.0805	0	18	0.22	1	RPPSAFFLFCSEHRPK
360	535.8200	1069.6254	1069.5768	0.0487	1	18	0.3	1	SLEDKTHK
897	526.1600	1575.4582	1575.7277	-0.2696	1	18	0.2	1	DEPDAFRELTGNGR
1041	628.5500	1882.6282	1882.9683	-0.3401	2	18	0.2	1	TMADLHTARLENERVK
992	574.7200	1721.1382	1720.7978	0.3404	1	18	0.24	1	DTSPSPDQKYDMPK
167	433.2500	864.4854	864.4487	0.0367	1	17	0.31	1	SKMSSVAR
359	535.7500	1069.4854	1069.6608	-0.1753	2	17	0.36	1	ALKKGDIVAR
824	499.2400	1494.6982	1494.7943	-0.0961	0	17	0.31	1	SAQGLVPQKPWER
169	433.2700	864.5254	864.3735	0.1520	0	16	0.34	1	VVMCGGR
604	431.1800	1290.5182	1290.6754	-0.1572	2	16	0.4	1	LSAMEKGKFKH + Oxidation (M)
296	491.2200	980.4254	980.4814	-0.0560	0	16	0.33	1	TQAYLEEK
136	431.1600	860.3054	860.3988	-0.0934	0	16	0.58	1	EAAGAGSGGK
807	728.2400	1454.4654	1454.7729	-0.3075	1	16	0.35	1	GAGTSLGTSSAPPPKK
1062	672.3200	2013.9382	2013.9830	-0.0448	1	16	0.36	1	SVGEVMAIGRTFEESFQK
778	473.8600	1418.5582	1418.7803	-0.2221	2	15	0.41	1	VAVKMLKSDATEK
1087	691.2600	2070.7582	2070.9206	-0.1625	2	15	0.33	1	MIMDQEKQEGVSTKCKK
811	489.1700	1464.4882	1464.6732	-0.1851	0	15	0.47	1	TTQATDLSADWEK
656	441.1900	1320.5482	1320.7513	-0.2032	2	15	0.43	1	YQSLLTKNKAR
871	773.3200	1544.6254	1544.7803	-0.1549	1	15	0.49	1	EDCMAPRVIVISR
932	544.2300	1629.6682	1629.8322	-0.1640	1	15	0.5	1	ALQSGSSALSPDKNK
1068	1011.3000	2020.5854	2020.8555	-0.2701	0	15	0.15	1	FMEPLSMFCAMPPEYR + Oxidation (M)
254	461.6900	921.3654	921.4589	-0.0935	2	15	0.49	1	AEMKGKDK + Oxidation (M)
132	430.8600	859.7054	859.4148	0.2907	0	15	0.75	1	ANLDGSQR
870	515.3300	1542.9682	1542.8188	0.1494	0	15	0.54	1	VLLCGGAPLSATTQR
851	507.1900	1518.5482	1518.8630	-0.3149	1	14	0.54	1	LPGNRPTSPKISPR
120	429.3000	856.5854	856.5130	0.0724	1	14	0.63	1	IIEAQRK
717	453.2200	1356.6382	1356.7500	-0.1119	0	14	0.58	1	GIVVSILDDGIEK
1035	625.7100	1874.1082	1873.9767	0.1315	2	14	0.5	1	MQWNVPRMTSRLALR + Oxidation (M)
108	428.7300	855.4454	855.5654	-0.1199	2	14	0.6	1	IALKKQR
525	416.2800	1245.8182	1245.7155	0.1027	1	14	0.66	1	WLMEILIGKK + Oxidation (M)

967	562.1700	1683.4882	1683.7985	-0.3104	1	14	0.37	1	DPSTSA <u>M</u> VKSSTVSGSK + Oxidation (M)
1077	686.2500	2055.7282	2055.9585	-0.2303	0	14	0.44	1	CWAEDPQERPPFQQIR
740	688.2300	1374.4454	1374.6310	-0.1855	1	14	0.57	1	MSPAAAAADGGERR + Oxidation (M)
903	527.2500	1578.7282	1578.7283	-0.0001	0	14	0.63	1	AMAYLESINCVRH + Oxidation (M)
1181	1099.2900	3294.8482	3294.6100	0.2381	1	14	0.34	1	GGSMHMYAKNFYGGNGIVGAQVPLGAGVALACK
507	415.0100	1242.0082	1241.6364	0.3718	1	14	0.49	1	EQAKPSPSKDR
601	431.1600	1290.4582	1290.6278	-0.1696	2	14	0.71	1	EKASGKY <u>Y</u> AMK + Oxidation (M)
158	432.2100	862.4054	862.4470	-0.0415	0	14	0.86	1	DLDM <u>L</u> IK + Oxidation (M)
1122	755.1600	2262.4582	2262.2918	0.1664	0	14	0.41	1	ALM <u>V</u> VAVLLGFMVLSVVGMM + Oxidation (M)
1105	728.2400	2181.6982	2182.0549	-0.3568	1	14	0.27	1	RGQVPGHASQVTQVAESGCSK
339	524.2300	1046.4454	1046.5794	-0.1340	0	13	0.89	1	NIVTVAGM <u>V</u> K + Oxidation (M)
82	417.7000	833.3854	833.4396	-0.0541	0	13	0.96	1	TFPGVASR
432	577.7700	1153.5254	1153.5516	-0.0262	1	13	0.74	1	VPDFSDYRR
612	431.2500	1290.7282	1290.5623	0.1659	1	13	0.78	1	RQHMDTEGSSK + Oxidation (M)
931	543.8300	1628.4682	1628.8594	-0.3912	2	13	0.55	1	GSNTIGARLNRVEDK
565	640.2700	1278.5254	1278.6489	-0.1235	0	13	0.75	1	LMNSQLVTTEK + Oxidation (M)
48	413.2200	824.4254	824.3520	0.0734	0	13	0.63	1	LMENMR + 2 Oxidation (M)
949	550.2700	1647.7882	1647.7385	0.0497	0	13	0.72	1	NMPTLGAFSMAAYR + 2 Oxidation (M)
441	387.7000	1160.0782	1159.6925	0.3857	2	13	0.079	1	LNTKVTGATKK
71	416.1300	830.2454	830.4358	-0.1904	2	13	1.1	1	EDRAKGR
643	436.7900	1307.3482	1307.6357	-0.2876	1	13	0.71	1	SSFPETEEKVR
105	428.1600	854.3054	854.4293	-0.1239	1	13	0.6	1	NRCHIR
260	466.1100	930.2054	930.4494	-0.2440	0	13	1.1	1	LAAGHCFR
845	505.9500	1514.8282	1514.8126	0.0156	1	13	0.78	1	SLSGCPAAAAEKAK
535	625.7100	1249.4054	1249.6303	-0.2248	0	13	0.89	1	SGDQDSILFIR
888	520.2100	1557.6082	1557.8039	-0.1957	0	13	0.81	1	YDPLGDNTGPLVAVK
588	430.0700	1287.1882	1287.5480	-0.3598	0	13	0.083	1	YSSGANGDTFNR
350	532.1900	1062.3654	1062.5743	-0.2089	0	13	0.92	1	SCILVSISGK
1140	773.3200	2316.9382	2316.9838	-0.0457	1	13	0.67	1	SRDDDYETIAMSTMHTDVSK + Oxidation (M)
78	417.1700	832.3254	832.4290	-0.1036	0	13	0.98	1	AISEQTGK
1002	579.3100	1734.9082	1734.8947	0.0134	2	13	0.91	1	EVFQNI <u>M</u> RRTAQAR + Oxidation (M)
533	417.1900	1248.5482	1248.4863	0.0619	0	13	0.91	1	NHEEEMAS <u>M</u> R + Oxidation (M)
1145	781.3000	2340.8782	2341.2576	-0.3794	2	13	0.6	1	SLRECELYVQKHNIQALLK
320	515.2900	1028.5654	1028.5726	-0.0072	2	13	1.2	1	KLEAAEGRR
605	431.2200	1290.6382	1290.5914	0.0468	1	13	0.94	1	EMSVYEAYRK + Oxidation (M)
300	504.2100	1006.4054	1006.4978	-0.0923	2	12	0.93	1	RSNSKACGK
660	443.1500	1326.4282	1326.7078	-0.2796	0	12	0.84	1	SVTHVNALTVMR
110	428.7400	855.4654	855.4814	-0.0160	1	12	0.94	1	LAKQGDPK
548	423.1200	1266.3382	1266.7044	-0.3663	1	12	0.86	1	IATPRGAATPGQK
524	416.1300	1245.3682	1245.7380	-0.3698	2	12	1	1	LIRKMPFIFGR + Oxidation (M)
928	540.2000	1617.5782	1617.8396	-0.2614	2	12	0.83	1	TIAKKVGCPTEDTAK
486	411.1400	1230.3982	1230.6615	-0.2633	2	12	0.98	1	RAAAACSLRQK
351	532.2500	1062.4854	1062.6107	-0.1252	1	12	1	1	MLLTLSNK + Oxidation (M)
642	436.2700	1305.7882	1305.6863	0.1018	2	12	0.89	1	LHAFSMGKKSGK + Oxidation (M)
452	394.2300	1179.6682	1179.5992	0.0690	0	12	0.92	1	SAVVEM <u>L</u> IMR + 2 Oxidation (M)
457	395.2000	1182.5782	1182.5815	-0.0034	1	12	0.84	1	QFVEMTRTR + Oxidation (M)
17	395.2100	788.4054	788.4028	0.0026	1	12	1.5	1	KEGEQAK
690	447.2000	1338.5782	1338.8235	-0.2453	1	12	0.79	1	IIAIKDLEVVAR
947	548.7200	1643.1382	1642.8712	0.2670	2	12	0.86	1	VAVK <u>M</u> LKSTAHADK + Oxidation (M)
244	457.7000	913.3854	913.4869	-0.1014	0	12	1	1	IHLSETK
522	415.7100	1244.1082	1243.7435	0.3647	2	12	0.19	1	GRVMQIIVKGK + Oxidation (M)
173	434.6800	867.3454	867.3830	-0.0375	1	12	0.83	1	SDMEMKK
576	429.1500	1284.4282	1284.5258	-0.0977	0	12	0.95	1	EFENPDEYSR
404	563.2600	1124.5054	1124.7393	-0.2339	2	12	1.1	1	VAILKANLRK
470	399.1800	1194.5182	1194.6318	-0.1136	1	12	0.93	1	AMDTLKIPYK + Oxidation (M)
1124	755.8200	2264.4382	2264.1648	0.2733	1	12	0.65	1	ALDVQFLDSGNSTSVKVELR
1032	932.8100	1863.6054	1863.7979	-0.1924	0	12	0.76	1	CDMLTDPNQEVLEER + Oxidation (M)
902	527.2100	1578.6082	1578.7824	-0.1743	0	12	1	1	LVTMLSASGSSHFAR + Oxidation (M)
781	473.9200	1418.7382	1418.6646	0.0735	1	12	0.96	1	SPQRDPVPMCSK + Oxidation (M)
927	539.2700	1614.7882	1614.8591	-0.0709	0	12	0.98	1	GRPRPGETTTFVSVGR
1048	640.2700	1917.7882	1917.9962	-0.2080	1	12	0.89	1	WKPGRVDTVGWPLDR
694	447.2500	1338.7282	1338.6463	0.0819	0	12	0.87	1	VNCSIHNTPAAR
933	544.7400	1631.1982	1630.9480	0.2502	1	12	0.72	1	SPFLSVMILAALKNK
572	428.7300	1283.1682	1282.7721	0.3961	2	12	0.14	1	KQGEKALQILR
450	587.2800	1172.5454	1172.5785	-0.0331	1	12	1.3	1	QNLQEEKER

978	566.9200	1697.7382	1697.7315	0.0066	1	12	0.96	1	DGRGQEQGTM ⁺ TYDPK + Oxidation (M)
569	428.1600	1281.4582	1281.6209	-0.1628	1	12	0.99	1	FMEKLDACIR
1083	688.3100	2061.9082	2062.0306	-0.1224	1	12	0.88	1	FLPSDLHNGDSKVIYMAR
69	415.7100	829.4054	829.5273	-0.1219	0	11	1.4	1	LVTGTGVLK
587	429.9800	1286.9182	1286.6917	0.2264	1	11	1.1	1	MVALKAGWQQR
487	411.1400	1230.3982	1230.6794	-0.2813	1	11	1.2	1	LWLKPD ⁺ MGKK + Oxidation (M)
501	413.2500	1236.7282	1236.5299	0.1983	0	11	0.96	1	DIYETDYIR
545	421.1400	1260.3982	1260.6748	-0.2766	0	11	1.3	1	GSDVIIMLVGNK + Oxidation (M)
210	446.2300	890.4454	890.4895	-0.0441	1	11	1.5	1	IKMDLQK + Oxidation (M)
791	475.2100	1422.6082	1422.7112	-0.1030	1	11	1	1	WTLGSAMCKVVR + Oxidation (M)
1164	884.0800	2649.2182	2649.2711	-0.0529	1	11	0.78	1	ITDYGLESFRDPEPEQGHTLFAK
841	505.2100	1512.6082	1512.7056	-0.0974	1	11	1.1	1	ETQSVSTEDFRSK
624	432.2100	1293.6082	1293.6789	-0.0708	1	11	1.2	1	DLRLHDANVVK
691	447.2100	1338.6082	1338.7329	-0.1248	2	11	0.93	1	ATRKL ⁺ LSMFEK + Oxidation (M)
905	531.7100	1592.1082	1591.8569	0.2512	1	11	0.95	1	TLFLLGTASKQEER
326	517.2600	1032.5054	1032.5638	-0.0583	0	11	1.2	1	TIIANLTCK
789	475.1600	1422.4582	1422.6813	-0.2231	1	11	1	1	KFN ⁺ DPVVQSDMK + Oxidation (M)
531	417.1700	1248.4882	1248.7343	-0.2461	2	11	1.3	1	KLLKQYGFPR
1051	656.2400	1965.6982	1966.0676	-0.3694	1	11	0.91	1	GLAEVRLRYPEYVAEFR
918	536.1800	1605.5182	1605.7908	-0.2726	1	11	1	1	LHMMHIQEKGFHV
886	519.2900	1554.8482	1554.6595	0.1886	0	11	1.1	1	ADLSYP ⁺ SHCCAFK
975	566.3400	1695.9982	1696.0148	-0.0166	0	11	1	1	GLNPLAALPQAHL ⁺ LLR
446	389.2200	1164.6382	1164.7091	-0.0709	1	11	1.2	1	IHLSATRLVR
374	544.2300	1086.4454	1086.5669	-0.1215	0	11	1.5	1	AVETVEANVR
808	728.8100	1455.6054	1455.9025	-0.2970	2	11	1.1	1	VTKTQVAIKIIDK
872	516.2100	1545.6082	1545.7102	-0.1020	2	11	1.3	1	FKDRM ⁺ VSMVMDR + 2 Oxidation (M)
433	577.8000	1153.5854	1153.5516	0.0338	1	11	1.2	1	VPDFSDYRR
869	515.2900	1542.8482	1542.6887	0.1595	2	11	1.2	1	ACRMMNGMKLSGR + 2 Oxidation (M)
1167	894.3600	2680.0582	2680.3027	-0.2445	2	11	0.75	1	SLNHSGETLHQKAPMG ⁺ EADPYRVK + Oxidation (M)
153	431.3200	860.6254	860.4902	0.1353	1	11	1.7	1	LLGMSGKR
224	447.3000	892.5854	892.4688	0.1167	1	11	1.4	1	KEAASLMK + Oxidation (M)
959	557.7700	1670.2882	1669.9362	0.3519	1	11	0.4	1	IAGASRIIAIDINSEK
968	563.2600	1686.7582	1686.7527	0.0054	1	11	1	1	MEYALNMLLQRCN + 2 Oxidation (M)
562	427.1600	1278.4582	1278.6067	-0.1485	0	11	1.2	1	LVEHFCAEFK
852	507.2300	1518.6682	1518.8228	-0.1546	2	11	1.2	1	KTLMTKHFQELK + Oxidation (M)
864	768.9400	1535.8654	1535.8494	0.0161	1	11	1.3	1	LPTMSSRLVYTLR
899	526.6800	1577.0182	1576.6538	0.3644	1	11	1.3	1	GLGPSYCSFGEMKE + Oxidation (M)
715	453.1200	1356.3382	1356.7150	-0.3768	1	11	0.91	1	FQDGVGKTLHQK
867	769.7100	1537.4054	1537.7696	-0.3641	2	11	0.64	1	SRSSSVTSIDKESR
517	415.2600	1242.7582	1242.6101	0.1481	1	11	1.3	1	KMGGSFLICK + Oxidation (M)
1107	729.2600	2184.7582	2185.0837	-0.3256	0	11	0.79	1	LVNPHSGEGATYLIDACLQK
273	473.8800	945.7454	945.4338	0.3116	0	11	1.3	1	THSMQQA ⁺ K + Oxidation (M)
1084	688.3200	2061.9382	2062.0405	-0.1023	0	11	1	1	DLIEMSSNPAVL ⁺ LDNFLR + Oxidation (M)
289	484.2200	966.4254	966.4627	-0.0372	0	11	1.1	1	TLAMT ⁺ MQR + Oxidation (M)
1119	752.2600	2253.7582	2254.1061	-0.3479	1	11	0.49	1	KAHLIVHME ⁺ NIICPFCK + Oxidation (M)
519	415.2700	1242.7882	1242.6204	0.1677	0	11	1.3	1	VGNEVATGTGPNK
633	433.2500	1296.7282	1296.7401	-0.0120	0	11	1.1	1	DLEGVKPAVLTR
763	466.2000	1395.5782	1395.7618	-0.1836	2	11	1.2	1	MSASKIPLFKMK + Oxidation (M)
492	412.2200	1233.6382	1233.6037	0.0345	1	11	1.5	1	AHTSMVRNFR + Oxidation (M)
584	429.3000	1284.8782	1284.7513	0.1268	2	11	1.2	1	AGLNSLEAVKRK
880	517.6500	1549.9282	1549.7181	0.2101	0	11	1.3	1	TEITGAETAEEMEK
1073	683.2400	2046.6982	2047.0574	-0.3592	1	11	0.91	1	TTNMLPLHPYWP ⁺ PHLR + Oxidation (M)
340	524.3300	1046.6454	1046.5356	0.1098	1	11	1.7	1	SPRSTEAATK
149	431.2500	860.4854	860.4868	-0.0014	1	11	1.8	1	KAPSGFVR
503	414.8200	1241.4382	1241.6802	-0.2420	1	11	1.4	1	HVLATLGEKMK + Oxidation (M)
719	453.2900	1356.8482	1356.7514	0.0968	1	11	1.4	1	AKIQDYHILTR
57	415.1600	828.3054	828.4678	-0.1624	2	11	1.8	1	RNKQQR
129	430.8200	859.6254	859.4035	0.2219	0	11	1.9	1	DAELQER
500	413.2300	1236.6682	1236.6251	0.0431	0	11	1.2	1	DLWTAPEHLR
652	440.2100	1317.6082	1317.6711	-0.0629	1	11	1.6	1	IEVGNLDGSMRK
160	432.9600	863.9054	863.5116	0.3938	0	11	0.13	1	GILLYGTK
497	413.1600	1236.4582	1236.6938	-0.2356	1	11	1.2	1	RSLALAAAAEHK
514	415.2300	1242.6682	1242.5074	0.1608	1	11	1.4	1	EMEKGEFDDK + Oxidation (M)
735	458.1500	1371.4282	1371.6738	-0.2456	1	11	1.3	1	GTKMLTSM ⁺ LSGSK + 2 Oxidation (M)
894	524.2300	1569.6682	1569.8223	-0.1541	2	10	1.2	1	REESVPPSSIARSR

395	557.7700	1113.5254	1113.6506	-0.1251	1	10	1.6	1	EVSILREIR
1015	592.1700	1773.4882	1773.8607	-0.3725	0	10	0.54	1	DPEHIYNVAMVETLK + Oxidation (M)
685	446.2300	1335.6682	1335.6639	0.0043	1	10	1.4	1	VLVEKMMNNSR + Oxidation (M)
809	729.2600	1456.5054	1456.8362	-0.3307	1	10	1.5	1	ATIIAGTANVKVGSR
844	505.9300	1514.7682	1514.7439	0.0243	1	10	1.4	1	AVKEANAYDFIMK + Oxidation (M)
449	391.1900	1170.5482	1170.6033	-0.0551	0	10	1.6	1	QPPSQGLGYPK
848	506.3300	1515.9682	1515.8714	0.0967	0	10	1.6	1	HHWILPFVQVLK
252	460.2800	918.5454	918.5399	0.0055	1	10	1.8	1	RVLVYGGR
36	411.1400	820.2654	820.3571	-0.0917	0	10	1.6	1	MEAMAPR + Oxidation (M)
695	447.2500	1338.7282	1338.6463	0.0819	0	10	1.2	1	VNC SIHTPAAR
508	415.1100	1242.3082	1242.6317	-0.3235	2	10	1.2	1	THGSGTKGENKK
552	425.1600	1272.4582	1272.5591	-0.1009	1	10	1.7	1	TSCPMGSKAYR + Oxidation (M)
634	433.2700	1296.7882	1296.6860	0.1022	1	10	1.2	1	DVKGQIGAPMPGK
934	544.7500	1631.2282	1630.8898	0.3383	1	10	0.72	1	VAAAMLLRSCPVL SK + Oxidation (M)
1169	912.3600	2734.0582	2734.2571	-0.1989	0	10	0.83	1	EEYSLDLIPFDGDL S MESESAFK
70	416.0500	830.0854	830.4134	-0.3279	0	10	1.5	1	ELGPNSSK
475	401.1400	1200.3982	1200.6172	-0.2190	1	10	1.6	1	MAAADEPKPKK + Oxidation (M)
750	460.2800	1377.8182	1377.6347	0.1835	0	10	1.5	1	QTAQGM DY LHAK + Oxidation (M)
134	431.1300	860.2454	860.4868	-0.2414	1	10	2.1	1	KAPSGFVR
883	519.2000	1554.5782	1554.8154	-0.2372	0	10	1.4	1	NQIALWDQLLEGR
581	429.2600	1284.7582	1284.7514	0.0068	2	10	1.5	1	GIEDIIVSKRR
83	418.1800	834.3454	834.4898	-0.1443	1	10	1.7	1	LMRIFR
193	444.1800	886.3454	886.4331	-0.0876	0	10	2.2	1	GLCQPGQK
148	431.2500	860.4854	860.4868	-0.0014	1	10	2.2	1	KAPSGFVR
727	456.1500	1365.4282	1365.6931	-0.2649	1	10	1.4	1	AVVLMGKNTMMR + Oxidation (M)
179	439.1500	876.2854	876.4599	-0.1745	1	10	1.9	1	SARQIMR + Oxidation (M)
287	479.7100	957.4054	957.6222	-0.2168	2	10	2	1	IIKTEVKK
1025	912.3600	1822.7054	1823.0312	-0.3258	2	10	1.4	1	GCPLVLLGATGARIGRGR
654	441.1600	1320.4582	1320.5809	-0.1227	0	10	1.4	1	CVGEAAGGFYYK
664	444.1800	1329.5182	1329.5945	-0.0763	0	10	1.7	1	QTYGDM EV MLK + Oxidation (M)
1094	707.7000	2120.0782	2120.0857	-0.0075	2	10	1.4	1	SIEMMDIVVEKNGESI AKK
32	401.1600	800.3054	800.3374	-0.0320	0	10	2.1	1	YSQEMK + Oxidation (M)
705	449.2600	1344.7582	1344.7812	-0.0230	1	10	1.7	1	HRHLVLQMALK
1031	621.7700	1862.2882	1861.9464	0.3418	0	10	1	1	DMANPTALLLSAVMMLR + Oxidation (M)
197	445.0800	888.1454	888.4301	-0.2846	0	10	2.1	1	NLGATEER
630	433.2100	1296.6082	1296.7951	-0.1870	1	10	1.4	1	LSQILKIMVPR
707	449.2900	1344.8482	1344.7289	0.1192	0	10	1.7	1	LGGSLIVAFEGSPV
703	672.3200	1342.6254	1342.6841	-0.0586	1	10	1.7	1	QLEQENKDLAR
181	439.2100	876.4054	876.4739	-0.0684	0	10	2.1	1	LTQQMIK + Oxidation (M)
382	548.2000	1094.3854	1094.5464	-0.1609	1	10	1.5	1	QMLVDMAKK + 2 Oxidation (M)
714	451.9300	1352.7682	1352.6442	0.1240	0	10	1.6	1	MAHQLGHS LGMR + Oxidation (M)
478	403.1300	1206.3682	1206.6319	-0.2637	0	10	1.7	1	DIFTGLIGPMK + Oxidation (M)
650	439.2100	1314.6082	1314.6891	-0.0810	2	10	1.7	1	TRSPVEKENQK
803	484.2200	1449.6382	1449.6493	-0.0111	0	10	1.6	1	HIMGQNVADYMR + Oxidation (M)
901	527.1700	1578.4882	1578.8505	-0.3623	1	10	1.5	1	SLVDTVYALKDEVK
1129	757.2800	2268.8182	2269.0797	-0.2615	1	10	1	1	EQQALREFFDSLNEAIMR + Oxidation (M)
1132	760.2600	2277.7582	2278.0900	-0.3318	1	10	0.87	1	GASDQEPGAKEPMAEVT PPPVR + Oxidation (M)
317	511.1700	1020.3254	1020.4182	-0.0927	0	10	1.9	1	MEGAGGENEK
716	679.2500	1356.4854	1356.6932	-0.2077	1	10	1.8	1	REMPGGAVNSALR
346	527.2100	1052.4054	1052.5365	-0.1311	0	10	1.7	1	VGPFMY PVK + Oxidation (M)
953	554.2400	1659.6982	1659.9065	-0.2083	2	10	1.6	1	RRLMALPPPPPPMR + 2 Oxidation (M)
92	425.1800	848.3454	848.4426	-0.0971	1	10	2.1	1	DKSLQMK
195	444.8300	887.6454	887.5301	0.1154	2	10	2.5	1	LGAKSRTR
636	433.6900	1298.0482	1297.7646	0.2836	0	10	1.1	1	SSILPFTPIVK
696	447.2600	1338.7582	1338.6463	0.1119	0	10	1.4	1	VNC SIHTPAAR
753	691.2700	1380.5254	1380.7071	-0.1817	1	10	1.6	1	DFVMKQALGGATK + Oxidation (M)
493	412.6700	1234.9882	1234.6268	0.3614	0	10	1.4	1	YEVPCVLDLK
619	431.3200	1290.9382	1290.7044	0.2338	1	10	1.8	1	AELTRLANTFR
221	447.2600	892.5054	892.4436	0.0618	1	10	2.1	1	MLRSENK + Oxidation (M)
679	445.3000	1332.8782	1332.7302	0.1479	1	9	1.9	1	FEAPLFNARIR
143	431.2400	860.4654	860.4868	-0.0214	1	9	2.5	1	KAPSGFVR
662	443.1900	1326.5482	1326.7078	-0.1596	1	9	1.7	1	ILPRNQCEGIK
547	421.7700	1262.2882	1262.6441	-0.3560	1	9	1.4	1	KFQPQGNIMGK + Oxidation (M)
862	511.5400	1531.5982	1531.8333	-0.2352	2	9	1.9	1	VFKKWC SIHSLK
938	545.6900	1634.0482	1633.8729	0.1753	0	9	1.5	1	PQNVVLP GPAPWGFR

1057	666.6900	1997.0482	1997.0905	-0.0423	1	9	1.6	1	LLETLEAQDGLATAQLR
822	748.2400	1494.4654	1494.7916	-0.3262	2	9	1.5	1	NPKRHLSDDHVR
332	519.2900	1036.5654	1036.5414	0.0241	1	9	1.8	1	NTVSSARFR
1047	638.2500	1911.7282	1911.8751	-0.1470	1	9	1.5	1	FYYSSGSSSPTHAKSAHV
474	401.0800	1200.2182	1200.5623	-0.3441	0	9	0.76	1	VSQGVEDGPDAK
1013	590.7800	1769.3182	1768.9319	0.3863	0	9	0.55	1	DEITLAILQLQENNR
41	412.2200	822.4254	822.4157	0.0098	0	9	1.6	1	MEIISK + Oxidation (M)
785	473.9400	1418.7982	1418.8582	-0.0601	2	9	1.7	1	RLAGLHQVTRLR
698	447.2700	1338.7882	1338.6463	0.1419	0	9	1.5	1	VNCSTHNTPAAR
744	688.3100	1374.6054	1374.6887	-0.0832	0	9	1.7	1	QMPDPALSMLIK + 2 Oxidation (M)
646	438.7600	1313.2582	1313.5414	-0.2832	1	9	0.65	1	ECEMQTMGGKK + Oxidation (M)
712	450.1800	1347.5182	1347.7431	-0.2250	2	9	1.8	1	LQKKVMELESK + Oxidation (M)
219	447.2500	892.4854	892.3886	0.0968	0	9	2.1	1	SESGSSPSR
578	429.2000	1284.5782	1284.7401	-0.1620	0	9	1.7	1	AVGTQALSGAGLLK
216	447.2100	892.4054	892.4225	-0.0171	0	9	2.2	1	QWSMLGR + Oxidation (M)
599	431.1300	1290.3682	1290.6568	-0.2886	0	9	1.9	1	LEAENNLAVYR
1074	683.7000	2048.0782	2048.1629	-0.0848	0	9	1.6	1	LALSSPRPILAPLSTAGEQK
510	415.1600	1242.4582	1242.6092	-0.1510	1	9	1.9	1	DDAPVADGVEKK
325	517.1100	1032.2054	1032.5644	-0.3590	0	9	1.9	1	EFVPPFGIK
459	395.6800	1184.0182	1183.7189	0.2992	2	9	1	1	KVSFIIGRHK
859	510.2300	1527.6682	1527.8256	-0.1575	1	9	1.9	1	LQQQIVNTEKAEK
80	417.1900	832.3654	832.4337	-0.0683	1	9	2.3	1	CRTAGIR
187	441.7100	881.4054	881.4429	-0.0375	0	9	1.7	1	TICVAYR
438	387.0700	1158.1882	1158.5880	-0.3999	2	9	0.76	1	NPEKTGKEK
563	427.1600	1278.4582	1278.6105	-0.1523	1	9	1.9	1	YEGEWLGNNR
112	429.1500	856.2854	856.4654	-0.1800	0	9	2.2	1	GLLDPSQK
488	411.3500	1231.0282	1230.6325	0.3957	1	9	1.2	1	IHSRTMIMAR + Oxidation (M)
973	565.6900	1694.0482	1693.8020	0.2462	1	9	1.7	1	EGSPGADGPPGRDGAAGVK
154	432.0500	862.0854	862.4396	-0.3541	0	9	2	1	ETISTANK
311	507.9500	1013.8854	1013.5254	0.3601	1	9	1.9	1	RAAATQPDGK
471	399.2500	1194.7282	1194.4935	0.2347	0	9	1.8	1	DMNTQENATR + Oxidation (M)
1116	748.3500	2242.0282	2242.1528	-0.1247	1	9	1.4	1	QGPPGPPGPPSAGQLVMGLKGER + Oxidation (M)
496	413.1600	1236.4582	1236.5445	-0.0863	0	9	1.7	1	EGMPLEDYQR
648	439.1500	1314.4282	1314.7190	-0.2909	1	9	2	1	TLARVASGCRPK
861	511.1700	1530.4882	1530.7249	-0.2368	0	9	1.7	1	DASQHPQMVFTR + Oxidation (M)
477	604.1700	1206.3254	1206.5993	-0.2739	0	9	2	1	LHHVDES VGSK
623	432.1700	1293.4882	1293.6169	-0.1287	1	9	2.2	1	LRGESMAGAAGMK + Oxidation (M)
227	448.6800	895.3454	895.4512	-0.1057	0	9	1.7	1	EHSLASPR
526	416.8400	1247.4982	1247.6431	-0.1450	0	9	2.2	1	ILVAGDTMDSVK
468	399.1100	1194.3082	1194.4758	-0.1676	0	9	1.7	1	TVCAEQCDGR
419	573.2000	1144.3854	1144.6604	-0.2750	0	9	2.2	1	FSILGGPVLSR
1029	615.2400	1842.6982	1842.9662	-0.2680	2	9	1.6	1	EHKAEKVPANYIMK + Oxidation (M)
542	419.6800	1256.0182	1255.7473	0.2709	2	9	1.4	1	QLRLRGARSSR
732	457.7000	1370.0782	1369.6911	0.3870	1	9	1.3	1	TMSKSDLFNALK + Oxidation (M)
797	721.2800	1440.5454	1440.7105	-0.1650	0	9	1.9	1	ALVGTFMSALEMR + Oxidation (M)
627	433.1200	1296.3382	1296.6132	-0.2750	0	9	1.4	1	YGMSRPGSIADK + Oxidation (M)
60	415.2300	828.4454	828.4341	0.0114	1	9	2.8	1	APEDKAAK
913	534.6800	1601.0182	1600.8759	0.1423	1	9	2	1	AAPMFGKTLKPADVR
1046	637.3300	1908.9682	1909.0632	-0.0951	1	9	1.8	1	EELPRAVGTQALSGAGLLK
847	506.3000	1515.8782	1515.7655	0.1127	1	9	2.2	1	VGHQGPVHSASERR
44	413.0600	824.1054	824.4253	-0.3198	1	9	1.5	1	GERGPPGR
371	540.7800	1079.5454	1079.5355	0.0100	0	9	2	1	AAEMMASLLK + Oxidation (M)
2	385.5800	769.1454	769.4446	-0.2992	1	9	1.7	1	SHSLAKK
704	448.6800	1343.0182	1342.6663	0.3519	1	9	1.9	1	DQNSQMKIVHK + Oxidation (M)
952	553.2700	1656.7882	1656.8334	-0.0452	0	9	2	1	CFLAGNNFTPIYK
603	431.1700	1290.4882	1290.7078	-0.2196	2	9	2.2	1	MSLTLSNKNR
762	466.1100	1395.3082	1395.6738	-0.3656	0	9	0.89	1	VLLATMESMNAGK + 2 Oxidation (M)
456	395.1700	1182.4882	1182.6734	-0.1852	2	9	1.8	1	FKRQQHALR
415	570.7000	1139.3854	1139.5611	-0.1757	0	9	2	1	VEFTTGAYPR
554	637.3300	1272.6454	1272.6972	-0.0518	2	9	2.4	1	ISKECARKPGK
151	431.2700	860.5254	860.4538	0.0717	1	9	2.9	1	KGLMAADR
772	707.9700	1413.9254	1413.8278	0.0976	2	9	2.3	1	SIGFLPKMPRLR
261	466.2000	930.3854	930.4770	-0.0916	0	9	2.9	1	QSAALAENK
960	558.1800	1671.5182	1671.8580	-0.3398	2	9	1.6	1	EEYSDLKLPRASHK
530	417.1500	1248.4282	1248.5842	-0.1561	1	9	2.3	1	GDDLAMMDRL

	752	691.2600	1380.5054	1380.8453	-0.3398	1	9	1.9	1	IVELTLPRVSVR
	795	478.2000	1431.5782	1431.8059	-0.2277	1	9	2.1	1	KPRSV AHLTG NPR
	842	757.8300	1513.6454	1513.8504	-0.2050	0	9	2	1	SVGNAIEPVILFQK
	536	417.7000	1250.0782	1249.6918	0.3864	1	9	0.61	1	FLKGD TTDLLK
	751	461.1500	1380.4282	1380.7257	-0.2976	1	9	1.9	1	IMSIPNLRYMK + Oxidation (M)
	35	411.1400	820.2654	820.4668	-0.2013	2	9	2.5	1	F SRGAKR
	579	429.2300	1284.6682	1284.7190	-0.0508	1	9	2.1	1	KYGLALDPVPGR
	307	506.3000	1010.5854	1010.5470	0.0384	1	9	2	1	KFIMESLK + Oxidation (M)
	609	431.2400	1290.6982	1290.7217	-0.0235	2	9	2.3	1	EAVLKKS IEMK + Oxidation (M)
	754	461.6900	1382.0482	1381.6725	0.3757	1	9	1.7	1	SKDEAEALVQTK
	168	433.2700	864.5254	864.4123	0.1131	1	9	2.1	1	QSMSEKR
	86	421.1400	840.2654	840.3396	-0.0741	0	9	1.8	1	SCSSASSR
	537	418.1800	1251.5182	1251.6095	-0.0914	0	9	2.2	1	AFATQSGSQDLK
	629	433.1900	1296.5482	1296.6860	-0.1378	1	9	1.8	1	DVKGQIGAPMPGK
	56	415.1100	828.2054	828.4818	-0.2763	0	9	3	1	QSGSVILR
	263	467.8000	933.5854	933.5430	0.0425	2	9	2.7	1	RLMSGKVK + Oxidation (M)
	321	515.3300	1028.6454	1028.5614	0.0840	1	9	2.9	1	KESAVKPDR
	119	429.2700	856.5254	856.4766	0.0488	0	9	2.5	1	ELIAAANR
	741	688.2500	1374.4854	1374.7289	-0.2434	2	9	2.1	1	QKLMNKTLEDR
	1049	644.3100	1929.9082	1929.9102	-0.0020	1	9	2.1	1	DMQVPTIEKSHSSPGSSK + Oxidation (M)
	128	430.2400	858.4654	858.4671	-0.0017	2	9	3.3	1	NEGKGAKR
	879	517.2600	1548.7582	1548.7361	0.0220	0	8	2.4	1	GEVQFGSWFDHIK
	891	522.6700	1564.9882	1564.7741	0.2140	1	8	2	1	ELWKLVMNTMER + Oxidation (M)
	1026	609.9000	1826.6782	1827.0076	-0.3295	2	8	1.8	1	MAGKKVLLVYAHQEPK + Oxidation (M)
	1079	688.2300	2061.6682	2061.9214	-0.2533	0	8	1.3	1	SSSAASPLFAPGEDCGPAWR
	979	569.6800	1706.0182	1705.8900	0.1282	2	8	1.9	1	IFWGGKAETERGLSR
	1142	774.7800	2321.3182	2321.0376	0.2806	2	8	1.6	1	RDAEDAMDAMDGAVLDGRELR + Oxidation (M)
	986	573.2000	1716.5782	1716.8101	-0.2319	0	8	2.1	1	LLEASADANIQDNMGR
	595	430.8300	1289.4682	1289.6398	-0.1716	1	8	2.2	1	TAQQIAKDMER
	215	447.2000	892.3854	892.4919	-0.1065	0	8	2.6	1	ALAAHPWK
	558	426.1500	1275.4282	1275.6744	-0.2462	1	8	2.2	1	MKETIPLTAEK + Oxidation (M)
	742	688.2500	1374.4854	1374.7541	-0.2686	1	8	2.1	1	CKLSPTVVGLSSK
	1106	728.8100	2183.4082	2183.0204	0.3877	0	8	1.5	1	NGSGINPYCALIEEAYGLDK
	606	431.2300	1290.6682	1290.6238	0.0444	1	8	2.4	1	CDLPSRTVDTK
	954	556.2100	1665.6082	1665.9050	-0.2968	2	8	2.4	1	EGKEGTAPVLVPKGER
	1097	714.7800	2141.3182	2141.1051	0.2130	1	8	1.5	1	IPASKQHQTVPVYLGATAGMR + Oxidation (M)
	639	434.6800	1301.0182	1300.6921	0.3260	1	8	2	1	LGCLGRGAQEIK
	469	399.1700	1194.4882	1194.6357	-0.1475	1	8	2.1	1	IEGEKHDIR
	361	536.1800	1070.3454	1070.4736	-0.1282	0	8	2.9	1	MSGSSVAAMK + Oxidation (M)
	218	447.2500	892.4854	892.4800	0.0054	1	8	2.7	1	KMTSATAR + Oxidation (M)
	586	429.9600	1286.8582	1286.6877	0.1705	1	8	2.2	1	IQAQARGQLMR + Oxidation (M)
	689	447.1500	1338.4282	1338.6463	-0.2181	0	8	1.8	1	VNC SIHNTPAAR
	810	487.7300	1460.1682	1459.8068	0.3613	2	8	0.96	1	DNVLKMIAEVKGK + Oxidation (M)
	367	539.2200	1076.4254	1076.5138	-0.0884	0	8	2.6	1	SPNGISDYPK
	730	457.2500	1368.7282	1368.7361	-0.0079	2	8	2.4	1	KTNHKS PESITK
	1072	681.2400	2040.6982	2040.8993	-0.2011	1	8	1.6	1	QGAENMIQMYSNGPSKDR + Oxidation (M)
	593	430.2400	1287.6982	1287.6670	0.0311	1	8	2.4	1	DVITKAVEEER
	956	556.2400	1665.6982	1665.8032	-0.1051	1	8	2.5	1	MAESDWD TTVTLRK + Oxidation (M)
	768	471.2700	1410.7882	1410.8017	-0.0135	0	8	2.5	1	ALMGSPQLVAAVVR
	220	447.2500	892.4854	892.4767	0.0088	1	8	2.7	1	QDLSKFR
	884	519.2300	1554.6682	1554.8154	-0.1472	0	8	2.1	1	NQIALWDQLEGR
	557	638.2500	1274.4854	1274.6228	-0.1374	1	8	2.4	1	QREHLEGNHR
	411	566.3400	1130.6654	1130.6924	-0.0270	1	8	2.5	1	VALLVTRGFR
	926	539.2700	1614.7882	1614.8260	-0.0378	2	8	2.2	1	RLSGKNMEPNINAR + Oxidation (M)
	12	391.1900	780.3654	780.4204	-0.0549	0	8	2.5	1	MQIFVK + Oxidation (M)
	389	553.2700	1104.5254	1104.5849	-0.0595	0	8	2.6	1	VMLLGESGVGK + Oxidation (M)
	756	463.9500	1388.8282	1388.6904	0.1378	2	8	2.5	1	AKGKEAMHTCLK + Oxidation (M)
	843	505.9300	1514.7682	1514.7259	0.0422	1	8	2.3	1	DNALCENARSIPR
	91	425.1600	848.3054	848.4314	-0.1259	0	8	2.9	1	ELVDVMK + Oxidation (M)
	202	445.2300	888.4454	888.3937	0.0517	0	8	3.1	1	GDSGQPSNK
	43	412.7300	823.4454	823.5028	-0.0574	1	8	2.1	1	VPSRLPR
	673	667.2800	1332.5454	1332.6681	-0.1226	2	8	2.5	1	RRMSSTGGQTPR
	731	685.5700	1369.1254	1368.7514	0.3741	2	8	1.1	1	YTGSNVFGKLRK
	802	483.2800	1446.8182	1446.7202	0.0980	1	8	2.6	1	DTTDL SVEASPKGK
	11	389.2200	776.4254	776.4181	0.0074	0	8	3.3	1	FNEIVR

	516	415.2600	1242.7582	1242.7118	0.0464	1	8	2.5	1	RIA <u>E</u> VLNGLMK
	635	433.2700	1296.7882	1296.6053	0.1828	2	8	2	1	<u>M</u> SAKKSPEEMK + 2 Oxidation (M)
	435	386.1900	1155.5482	1155.6611	-0.1130	1	8	2.4	1	LLRSGADPSLK
	895	524.3300	1569.9682	1569.7495	0.2186	1	8	2.1	1	DSRGAAATTPTEHR
	140	431.2300	860.4454	860.4868	-0.0414	0	8	3.4	1	NALAAFVR
	464	398.1800	1191.5182	1191.5628	-0.0446	0	8	2.4	1	DEMLGLVPMR + 2 Oxidation (M)
	981	570.7000	1709.0782	1708.8468	0.2314	2	8	1.9	1	ARRLFWTDTGMSPR + Oxidation (M)
	764	466.2900	1395.8482	1395.7470	0.1011	1	8	2.3	1	DLLPPGDTSRGLR
	532	417.1800	1248.5182	1248.6561	-0.1380	2	8	2.6	1	ESVLDKSDTKK
	892	523.2400	1566.6982	1566.8590	-0.1608	2	8	2.4	1	ATQSIERSHRIAAK
	594	430.8200	1289.4382	1289.6227	-0.1845	0	8	2.4	1	MHGDISGFVIK
	1088	691.2700	2070.7882	2071.1322	-0.3440	1	8	1.9	1	<u>M</u> EPAAALLNVIIIRMLASWK + Oxidation (M)
	33	403.1300	804.2454	804.4341	-0.1887	0	8	3	1	SSLANVSK
	916	535.7500	1604.2282	1603.8354	0.3928	0	8	1.3	1	VLQFLLMYSMSLK + 2 Oxidation (M)
	982	570.8800	1709.6182	1709.8294	-0.2112	0	8	2.1	1	EPAPQSIDVCELPQK
	1146	786.3200	2355.9382	2356.1236	-0.1855	1	8	1.8	1	GFIWSAASASYQVEGAWRADGK
	38	411.3500	820.6854	820.4000	0.2854	0	8	2.8	1	VLEMEGK + Oxidation (M)
	421	573.2200	1144.4254	1144.6526	-0.2271	0	8	2.7	1	VIIMILNGEK + Oxidation (M)
	1058	667.2800	1998.8182	1998.9543	-0.1361	1	8	2.1	1	NIQLEDGKMMPASQFFK + Oxidation (M)
	736	458.2500	1371.7282	1371.7081	0.0201	2	8	2.5	1	APWMVEPSRKR + Oxidation (M)
	1028	614.7600	1841.2582	1841.0258	0.2324	1	8	1.7	1	TGTLELGDKLLAIDNIR
	368	539.2700	1076.5254	1076.5098	0.0156	0	8	2.9	1	QTTEPASSTR
	434	385.5800	1153.7182	1153.6581	0.0601	2	8	2.6	1	NRRLGFVHR
	513	415.2300	1242.6682	1242.6568	0.0114	0	8	2.6	1	QEEVSAIIQR
	919	536.2300	1605.6682	1605.9025	-0.2343	2	8	2.3	1	VVVEYLRAVMQKR + Oxidation (M)
	1071	680.2600	2037.7582	2037.9235	-0.1653	1	8	1.9	1	KDVVIQDDDVECTMVEK + Oxidation (M)
	589	430.0900	1287.2482	1287.6129	-0.3647	1	8	0.88	1	HTKGLMESEK
	607	431.2400	1290.6982	1290.7264	-0.0282	2	8	2.7	1	<u>M</u> MLGKRSAILR + Oxidation (M)
	61	415.2300	828.4454	828.4090	0.0365	0	8	3.5	1	AEATANPR
	631	433.2300	1296.6682	1296.5391	0.1291	0	8	2.1	1	TEMIDQEEIS + Oxidation (M)
	974	566.2300	1695.6682	1695.8766	-0.2085	1	8	2.2	1	DPEATLLQMFGLRR
	1099	721.2800	2160.8182	2160.9528	-0.1346	1	8	1.9	1	STQSLSGCEDSGSSLMGRFR
	448	585.2300	1168.4454	1168.5230	-0.0775	1	8	2.4	1	CNLCGRSFR
	833	504.2100	1509.6082	1509.6729	-0.0648	1	8	2.8	1	GKQQDGAMESSQTK + Oxidation (M)
	665	444.2200	1329.6382	1329.6387	-0.0005	1	8	2.8	1	NFIAMGKNYEK + Oxidation (M)
	551	425.1600	1272.4582	1272.7038	-0.2456	0	8	3	1	STSIIATIGPASR
	166	433.2500	864.4854	864.4494	0.0361	0	8	2.5	1	LSYAFHK
	255	463.0600	924.1054	924.4045	-0.2990	0	8	1.7	1	EVDLMMR + 2 Oxidation (M)
	505	414.9900	1241.9482	1241.7390	0.2092	2	8	2.6	1	LVMAAANRLRK
	887	519.9600	1556.8582	1556.8198	0.0383	1	8	2.6	1	DLWIKQIGEAQEK
	655	441.1600	1320.4582	1320.7111	-0.2530	1	8	2.4	1	EVMIVQKFAEK
	146	431.2500	860.4854	860.4868	-0.0014	0	8	3.7	1	NALAAFVR
	467	399.1100	1194.3082	1194.4935	-0.1853	0	8	2.2	1	DMNTQENATR + Oxidation (M)
	617	431.2700	1290.7882	1290.6503	0.1379	1	8	2.8	1	VVRGEGMPQYR
	489	411.3500	1231.0282	1230.6456	0.3826	0	8	1.7	1	VIEAVSEELSR
	882	777.7800	1553.5454	1553.7409	-0.1954	1	8	2.3	1	FDSWAGMALARASR + Oxidation (M)
	1120	752.3000	2253.8782	2254.0576	-0.1794	2	8	1.7	1	DDEENYLDLFSHKNMKLK + Oxidation (M)
	866	769.3300	1536.6454	1536.7453	-0.0999	2	8	2.4	1	<u>M</u> SDKSDLKAELEK + Oxidation (M)
	310	507.2300	1012.4454	1012.5553	-0.1099	1	8	2.7	1	IVPEKGAGDK
	608	431.2400	1290.6982	1290.6290	0.0692	1	8	2.9	1	GHVNSNRNTHR
	345	527.1700	1052.3254	1052.4774	-0.1520	0	8	2.7	1	EDSAALYER
	485	615.2400	1228.4654	1228.6122	-0.1467	0	8	3	1	QMGGQLLEEPK
	1076	685.5700	2053.6882	2054.0215	-0.3333	2	8	1.6	1	SDLTGRGVLDGTTTFCK
	123	430.0700	858.1254	858.4559	-0.3305	0	8	3.8	1	TQPSSALR
	598	430.8800	1289.6182	1289.6761	-0.0580	2	8	2.7	1	GGKNAINMKDVK + Oxidation (M)
	692	447.2200	1338.6382	1338.7983	-0.1601	1	8	2.2	1	KPLDSRVLNAVK
	1138	769.3300	2304.9682	2305.1848	-0.2167	1	8	2	1	AAMPRIYELAAGGTAVGTGLNTR + Oxidation (M)
	277	473.9300	945.8454	945.5356	0.3099	2	8	2.7	1	SATQGGKKAR
	163	433.1900	864.3654	864.4310	-0.0655	1	8	2.6	1	TAKMMQR
	1081	688.2500	2061.7282	2061.8983	-0.1701	0	8	2	1	EMEMNDHQLSVSELEK + Oxidation (M)
	1152	821.8400	2462.4982	2462.1715	0.3266	2	8	1.7	1	HMKALLEQMPGSSSSMAEAAKSR + Oxidation (M)
	591	430.1800	1287.5182	1287.7146	-0.1965	2	8	2.8	1	TKQGVAAEAGKTK
	1042	629.1200	1884.3382	1883.9788	0.3594	1	8	1.3	1	RQAMGPGTPAPAKPGPHAK + Oxidation (M)
	392	556.2400	1110.4654	1110.5782	-0.1127	0	8	2.6	1	LGTSAEGAHLR
	251	460.0800	918.1454	918.5433	-0.3978	2	8	3.3	1	<u>M</u> SLIRK + Oxidation (M)

1123	755.7500	2264.2282	2264.0089	0.2192	0	8	2	1	LESDSHCLWTDQILMGSEK + Oxidation (M)
15	395.1700	788.3254	788.4432	-0.1178	0	8	4.4	1	EPLGFVK
422	574.3000	1146.5854	1146.6145	-0.0291	1	8	3.1	1	LIKGHYSSSR
527	416.9100	1247.7082	1247.5452	0.1630	1	8	3.1	1	SSAMDEHSEKK
784	473.9400	1418.7982	1418.7630	0.0352	1	7	2.6	1	VQQTSTRGVLELR
787	474.7000	1421.0782	1420.7786	0.2996	1	7	2.2	1	EHIEELLRNIR
668	444.8300	1331.4682	1331.6503	-0.1821	0	7	3.3	1	MVAAAAAAEATEAR
760	697.2500	1392.4854	1392.7911	-0.3057	1	7	3	1	ALRMIVTGTIFR + Oxidation (M)
1004	581.9200	1742.7382	1742.7240	0.0142	0	7	2.6	1	GESGQDGEMGPMGPPGPK + Oxidation (M)
555	425.2300	1272.6682	1272.5292	0.1390	0	7	3.3	1	SPPHSSESLEMDS
962	560.2400	1677.6982	1677.8607	-0.1626	1	7	2.7	1	KADIGIAMGITGSDVSK + Oxidation (M)
556	425.7200	1274.1382	1274.4907	-0.3526	0	7	0.33	1	QQMGADGMYDK + 2 Oxidation (M)
790	475.2100	1422.6082	1422.7112	-0.1030	1	7	2.6	1	SAGCPILRQYMK
836	755.8600	1509.7054	1509.6916	0.0139	1	7	3	1	CGDCASIGKNISTK
328	518.1800	1034.3454	1034.5482	-0.2027	1	7	2.9	1	RAAHGDRPR
814	491.2200	1470.6382	1470.7314	-0.0933	0	7	2.7	1	GDLTELPNGLGETR
1115	748.2400	2241.6982	2242.0327	-0.3345	2	7	0.65	1	MGLVMDRMGSVERMSGIER + 2 Oxidation (M)
775	473.2200	1416.6382	1416.8275	-0.1893	2	7	3.2	1	FLKGCVPSLIRK
1133	760.7900	2279.3482	2279.0503	0.2979	1	7	2.3	1	AWNAYPYCRTIVTNEYMK
337	523.2400	1044.4654	1044.5611	-0.0956	1	7	3.5	1	MSARATRPR
1149	817.7100	2450.1082	2450.1722	-0.0641	0	7	2.1	1	MATPYVPVPMPIGNSASSFTNNR
1168	911.4300	2731.2682	2731.4843	-0.2162	1	7	1.8	1	MSQLLVPGASVPSPLRPWGPQTKSAK
76	417.0600	832.1054	832.3814	-0.2759	0	7	3.2	1	DAEELEK
658	442.1300	1323.3682	1323.5918	-0.2236	0	7	2.4	1	EIYTSNHMWK + Oxidation (M)
454	592.1700	1182.3254	1182.6067	-0.2812	0	7	2.5	1	AYGILMATTSR
743	688.3000	1374.5854	1374.6878	-0.1024	0	7	2.8	1	SLEDILTQDDVK
876	774.8300	1547.6454	1547.7865	-0.1410	1	7	2.9	1	MEEQGLADASLLKK + Oxidation (M)
889	520.2500	1557.7282	1557.8039	-0.0757	0	7	3	1	YDPLGDNTGPLVAVK
577	429.1600	1284.4582	1284.7190	-0.2608	2	7	2.8	1	KHEAAKEVFVK
275	473.9200	945.8254	945.5131	0.3124	1	7	3	1	DKDSLLAGK
462	397.1800	1188.5182	1188.5458	-0.0276	1	7	3.3	1	RAPQMDWNR + Oxidation (M)
925	539.2200	1614.6382	1614.7737	-0.1355	2	7	2.8	1	SKSPPKSPEEGAVSS
1113	747.3000	2238.8782	2239.2437	-0.3655	1	7	2.4	1	RALAGLTPEVQVEGLLHPSPR
343	526.6800	1051.3454	1051.5258	-0.1803	1	7	2.9	1	SKSSSNTSVR
873	774.1400	1546.2654	1545.8766	0.3888	2	7	0.54	1	VATPKVVEKIGDYK
885	519.2400	1554.6982	1554.7145	-0.0164	1	7	2.7	1	MATFHGMKMPFNK + Oxidation (M)
1066	673.8200	2018.4382	2018.0693	0.3689	2	7	0.97	1	SQDPVSWMKLLQLQMSKK
793	714.7800	1427.5454	1427.7343	-0.1889	1	7	3	1	GSKSLCLPAWGPR
414	569.6800	1137.3454	1137.4972	-0.1517	1	7	2.9	1	RIAEESEASM + Oxidation (M)
697	447.2600	1338.7582	1338.7296	0.0286	2	7	2.5	1	KFGVLSDNFKGK
724	455.1100	1362.3082	1362.6965	-0.3884	0	7	1.8	1	LPYTASSGLMAPR
170	433.6900	865.3654	865.4658	-0.1003	0	7	2.9	1	VTSFLSGR
788	475.1500	1422.4282	1422.7289	-0.3007	1	7	2.7	1	QYSKGISQMPLR + Oxidation (M)
439	387.1400	1158.3982	1158.6621	-0.2640	1	7	3.4	1	HLKNAQAHLK
614	431.2500	1290.7282	1290.6675	0.0606	1	7	3.3	1	ALMECALEVKK
1021	604.1700	1809.4882	1809.7538	-0.2656	1	7	1.1	1	FWHKACFHCETCK
88	421.7700	841.5254	841.5134	0.0121	1	7	2.9	1	AILQKNR
1114	747.3100	2238.9082	2239.0831	-0.1749	0	7	2.6	1	CTNSEVTVQPSPYLSYGLPK
943	548.2000	1641.5782	1641.7933	-0.2152	0	7	2.9	1	GCTEIVNFHNVPQPK
637	433.9800	1298.9182	1298.7207	0.1974	2	7	3.1	1	RGPPPRSGGPPPK
498	413.1700	1236.4882	1236.6462	-0.1581	0	7	2.7	1	HLIPAANTGESK
570	428.2100	1281.6082	1281.5222	0.0860	0	7	2.9	1	ASGDDPEPSDHR
109	428.7300	855.4454	855.4814	-0.0360	0	7	3.3	1	TAVAPIER
729	457.2100	1368.6082	1368.6344	-0.0262	1	7	3.2	1	MIDGESGEKTFR
1165	884.6700	2650.9882	2651.1681	-0.1799	0	7	1.5	1	SMFAIGFCFTALMGMFNSIFDGR + 2 Oxidation (M)
733	457.8100	1370.4082	1370.7154	-0.3072	1	7	2.9	1	VGNEVATGTGPNKK
1017	894.3600	1786.7054	1786.8099	-0.1045	0	7	2.9	1	VLHHMGGMAGLQSMRR + 2 Oxidation (M)
632	433.2500	1296.7282	1296.7554	-0.0272	0	7	2.6	1	HLLATYPTLIR
14	395.1600	788.3054	788.3889	-0.0835	1	7	5.1	1	RGAGGTDR
874	516.7400	1547.1982	1546.8256	0.3726	1	7	1.3	1	HVYSEAAARVLQFK
93	425.2300	848.4454	848.3851	0.0604	0	7	3.9	1	CDLQWK
315	510.2300	1018.4454	1018.5043	-0.0589	1	7	3.9	1	AENRTTEAK
164	433.2100	864.4054	864.3937	0.0117	0	7	3.1	1	ESSQATSR
265	472.2400	942.4654	942.4923	-0.0268	0	7	3.8	1	WTAPEAIR
499	413.2200	1236.6382	1236.6938	-0.0556	1	7	2.8	1	RSLALAAAAEHK

336	522.6700	1043.3254	1043.5723	-0.2469	1	7	3.8	1	RLDATALER
647	439.1500	1314.4282	1314.7408	-0.3127	1	7	3.3	1	VRLVFQDSPVR
653	440.6900	1319.0482	1318.7133	0.3349	0	7	2	1	DPQFSLISATIK
31	401.1400	800.2654	800.4069	-0.1414	0	7	4.3	1	YFSGVTK
30	401.0800	800.1454	800.3664	-0.2210	0	7	4.3	1	APGDQGEK
638	434.0800	1299.2182	1299.6129	-0.3947	2	7	0.73	1	QDFSGTMMKKDK + Oxidation (M)
917	535.8200	1604.4382	1604.7893	-0.3512	2	7	2.1	1	KEEDDTLGKLQDSK
483	409.1700	1224.4882	1224.6727	-0.1846	1	7	3	1	TAAVKWAVSHR
84	419.1400	836.2654	836.4280	-0.1625	0	7	3.3	1	ELQTSIF
877	517.0800	1548.2182	1547.9286	0.2895	1	7	1.2	1	LLPPERLELVLEK
286	478.2000	954.3854	954.5471	-0.1617	2	7	3.1	1	EKGRPGRR
746	688.7600	1375.5054	1375.7129	-0.2075	0	7	3.5	1	MGTTVATNALLER
765	467.8000	1400.3782	1400.6911	-0.3129	0	7	3.1	1	MDVTIQHPWFK
67	415.2800	828.5454	828.4341	0.1114	1	7	4.7	1	APEDKAAK
223	447.2700	892.5254	892.4290	0.0964	0	7	4	1	EPSYLER
618	431.2800	1290.8182	1290.7045	0.1137	1	7	3.7	1	ARFVVTDGGITR
1019	599.2800	1794.8182	1794.9662	-0.1480	0	7	2.9	1	VAVATLSHEQMIDLLR
779	473.8800	1418.6182	1418.8245	-0.2064	1	7	3.2	1	SHTLLSPSPKPKK
1141	774.1400	2319.3982	2319.1416	0.2565	0	7	2.8	1	SINPDEAVAYGAAVQAAILMGDK + Oxidation (M)
420	573.2100	1144.4054	1144.5949	-0.1894	1	7	3.8	1	SGTNNVAQARK
155	432.0600	862.1054	862.3967	-0.2912	0	6	4	1	DAMNLSGR
611	431.2500	1290.7282	1290.6932	0.0350	1	6	3.7	1	FGNLKNGVSDIK
1085	688.7600	2063.2582	2062.9564	0.3017	1	6	2.7	1	MPSSNPASGSGGEVVMWARK + Oxidation (M)
628	433.1600	1296.4582	1296.7037	-0.2456	1	6	3	1	SNTEIVEHIKK
706	449.2800	1344.8182	1344.6633	0.1548	2	6	3.7	1	KSEEDGSPTPGKR
1148	804.0500	2409.1282	2409.3478	-0.2197	2	6	2.5	1	LEQRSKLENLEDEIIVQLK
363	536.7500	1071.4854	1071.5560	-0.0706	0	6	4	1	LQAANAEDIK
481	609.9000	1217.7854	1217.5829	0.2025	0	6	4	1	EGWVVHYSNK
1075	684.3400	2049.9982	2049.9855	0.0127	1	6	3.2	1	TSDSHEDAGTLDFFSLLKK
512	415.1600	1242.4582	1242.6819	-0.2238	0	6	3.7	1	ISQLDALELNK
701	448.3100	1341.9082	1341.7589	0.1493	2	6	4.1	1	QASGVKSRRPTR
180	439.1500	876.2854	876.5433	-0.2578	1	6	4.5	1	KQTLFIK
946	548.2800	1641.8182	1641.8878	-0.0697	2	6	3.5	1	YLDFIFAVKNEKR
1117	748.3600	2242.0582	2242.0650	-0.0068	1	6	2.6	1	MNKMLPDPGTLGEYIEQFK + 2 Oxidation (M)
1176	1001.8300	3002.4682	3002.5270	-0.0589	0	6	2.3	1	AVEMSEEDILSVSQFQLAPAILQGQTK
1082	688.3000	2061.8782	2062.0503	-0.1722	1	6	2.9	1	LLSQGMTEEEEDKLLALK + Oxidation (M)
1090	697.2500	2088.7282	2089.0675	-0.3393	1	6	2.4	1	AVLPIRWMAWECILMGK + Oxidation (M)
671	445.1400	1332.3982	1332.6343	-0.2362	0	6	3.8	1	LSMTNDPLEAAR + Oxidation (M)
596	430.8400	1289.4982	1289.6364	-0.1383	0	6	3.6	1	GPSGPQGPSGAPGPK
961	559.3200	1674.9382	1674.9192	0.0189	0	6	3.3	1	ELSILYGGVGPTTIGAK
304	505.9300	1009.8454	1009.5266	0.3188	0	6	3.1	1	IGFAMLTNK + Oxidation (M)
444	389.2000	1164.5782	1164.6139	-0.0357	1	6	3.7	1	QSTVSKGPFSK
674	445.1900	1332.5482	1332.6959	-0.1477	1	6	3.9	1	GDLTAEVVMKIK
372	541.4800	1080.9454	1080.5750	0.3705	2	6	1.9	1	GYMKIAKDR
495	413.0600	1236.1582	1236.5557	-0.3975	0	6	0.42	1	EAFNMIDQNR
1009	585.2300	1752.6682	1752.8716	-0.2034	1	6	3.1	1	SFNGSMKQVAVEELSK
1003	579.6100	1735.8082	1735.9509	-0.1427	1	6	3.6	1	WLDLKDNDPLDPVLAK
63	415.2600	828.5054	828.4090	0.0965	0	6	5.1	1	LQNPSDR
68	415.6400	829.2654	829.4518	-0.1864	2	6	4.6	1	ADKNRAR
583	429.2700	1284.7882	1284.7448	0.0433	2	6	3.6	1	VRKQCALAALR
9	389.2000	776.3854	776.3963	-0.0108	1	6	5.1	1	AVREMR + Oxidation (M)
280	474.1700	946.3254	946.5157	-0.1903	1	6	4.8	1	MSEVKLPK + Oxidation (M)
678	445.2800	1332.8182	1332.6860	0.1322	1	6	4	1	VCEAVPGAKGAFK
702	672.1700	1342.3254	1342.6729	-0.3474	0	6	2.5	1	DPAPTDSASLLR
400	561.2100	1120.4054	1120.6492	-0.2437	2	6	4.1	1	LYKEAEKIK
964	561.2100	1680.6082	1680.7341	-0.1259	1	6	3.5	1	EEKEELMEWWK + Oxidation (M)
476	401.1600	1200.4582	1200.6186	-0.1604	0	6	4	1	LLHHLCGHSK
518	415.2600	1242.7582	1242.7006	0.0576	0	6	3.9	1	SLQPSVLMQLK
957	556.7000	1667.0782	1666.8526	0.2256	0	6	3.2	1	TSGISPLPDGELTPR
356	534.6800	1067.3454	1067.5400	-0.1945	0	6	3.3	1	EYGAFVVQR
1089	696.2600	2085.7582	2085.9942	-0.2360	2	6	3.1	1	EYAWSCDLEDIFRKVR
305	505.9500	1009.8854	1009.5015	0.3840	0	6	2.6	1	TYGICGAIR
394	556.7000	1111.3854	1111.6060	-0.2205	0	6	4	1	GVLVGVPPGTGK
511	415.1600	1242.4582	1242.5988	-0.1406	0	6	4	1	VVDLMAYMASK + Oxidation (M)
1036	627.2200	1878.6382	1879.0001	-0.3619	1	6	3.1	1	IILLNCAWFLRMK + Oxidation (M)

455	395.1600	1182.4582	1182.5591	-0.1009	0	6	3.5	1	LMEFNLGTDK + Oxidation (M)
739	459.1500	1374.4282	1374.7700	-0.3418	0	6	3.6	1	LVQPIPFPTWK
440	387.6700	1159.9882	1159.6495	0.3387	2	6	2.8	1	KRCNSIAALK
1147	797.7900	2390.3482	2390.2311	0.1170	1	6	2.9	1	HDVDMRIGIHSGSVLCGVLGLR
133	430.8800	859.7454	859.4188	0.3266	0	6	5.5	1	SPYSPGPR
771	472.2600	1413.7582	1413.8741	-0.1160	1	6	4.4	1	ILMTLTVKVLGAR
1005	874.7800	1747.5454	1747.8682	-0.3227	2	6	3.2	1	TRFSYASPKPEFPYR
142	431.2400	860.4654	860.4756	-0.0102	0	6	5.5	1	NVLTTWK
443	581.9200	1161.8254	1161.5812	0.2442	0	6	4.2	1	EVTSIQLCR
381	548.1800	1094.3454	1094.4662	-0.1208	0	6	3.7	1	EMASASSGPSR + Oxidation (M)
24	399.0200	796.0254	796.3538	-0.3283	0	6	1.9	1	CAFSQ GK
162	433.1600	864.3054	864.3726	-0.0671	0	6	3.9	1	SSTNWDR
800	722.3000	1442.5854	1442.5806	0.0049	0	6	3.4	1	STNEAMEWMNSK + Oxidation (M)
406	563.7200	1125.4254	1125.6506	-0.2251	0	6	3.8	1	LLSPVAAASAAR
156	432.0700	862.1254	862.3967	-0.2712	0	6	4.9	1	DAMNLSGR
676	445.2300	1332.6682	1332.6197	0.0484	0	6	4.3	1	YGFNELPTEEGK
995	576.7300	1727.1682	1726.8710	0.2971	2	6	3.3	1	AARGVIREEGTSGDGPR
102	427.2000	852.3854	852.3946	-0.0091	1	6	3.5	1	ASGKMGM R + Oxidation (M)
1023	606.2700	1815.7882	1815.7846	0.0036	0	6	3.8	1	SPTNPPAAFSGSPCEGDR
1153	827.4300	2479.2682	2479.2125	0.0557	2	6	2.9	1	SESSSTRCQWSEADALLAVVKR
107	428.3700	854.7254	854.4208	0.3047	0	6	3.1	1	ETFMALK + Oxidation (M)
910	533.1700	1596.4882	1596.7128	-0.2246	0	6	3	1	EDDGGADLHNATNLR
288	483.2800	964.5454	964.4462	0.0993	0	6	3.9	1	SGGDSTSLNK
253	461.1500	920.2854	920.4022	-0.1167	1	6	5.2	1	MDRGSDPK + Oxidation (M)
993	576.2200	1725.6382	1725.8508	-0.2126	1	6	3.5	1	IFKNGELIYG CADAR
59	415.1600	828.3054	828.4858	-0.1803	0	6	5.7	1	LWNLV K
87	421.7400	841.4654	841.5134	-0.0479	1	6	3.9	1	RIGELVR
898	526.2300	1575.6682	1575.8733	-0.2051	1	6	3.8	1	AGLLTLEDHPNIKR
319	514.1900	1026.3654	1026.5532	-0.1877	0	6	4.2	1	GIPTLPMNGK
341	526.1600	1050.3054	1050.5069	-0.2015	1	6	4	1	FRAMFHD K
718	453.2500	1356.7282	1356.6997	0.0285	1	6	4.3	1	ELRSDAVPSEVR
726	683.7000	1365.3854	1365.6419	-0.2564	2	6	3.6	1	SRARTMSEQR + Oxidation (M)
582	429.2700	1284.7882	1284.6422	0.1460	1	6	4	1	NPKTDNLVND R
1095	707.9700	2120.8882	2121.1227	-0.2345	1	6	3.4	1	MEVTGRLFIWAILAVSCR
1130	757.8300	2270.4682	2270.2117	0.2564	2	6	2.5	1	ELLKEKIQEALTQSQSEQK
377	544.8000	1087.5854	1087.5370	0.0484	2	6	4.8	1	EGQARERDK
914	534.7200	1601.1382	1600.9188	0.2193	1	6	3.7	1	TSSKLEHFVSILK
977	566.5600	1696.6582	1696.9359	-0.2778	1	6	4.1	1	TGVIGVQPEEVTAAAKK
990	860.8700	1719.7254	1719.8349	-0.1094	1	6	3.8	1	EGLSPANMEVATKETK + Oxidation (M)
1180	1053.3400	3156.9982	3156.7659	0.2323	2	6	1.2	1	HYLKGSSSIAGLLLKPTNEKLSVYTALQR
222	447.2600	892.5054	892.5018	0.0036	0	6	5	1	SLNNAFTK
1043	629.2700	1884.7882	1884.9080	-0.1198	1	6	4	1	EMNPNYTEFKFPQIK
855	509.2600	1524.7582	1524.7896	-0.0314	1	6	4.3	1	RLGIEDAAGLGGPDGK
850	760.2600	1518.5054	1518.8268	-0.3214	2	6	4.1	1	YKPFKGIKYMTK + Oxidation (M)
686	446.2400	1335.6982	1335.5976	0.1005	0	6	4.3	1	DTEMLATGAQDGK
4	387.0700	772.1254	772.4079	-0.2825	1	6	6.4	1	KDQTPGK
893	524.2100	1569.6082	1569.6882	-0.0800	0	6	3.9	1	QHAYSMALAEDYR + Oxidation (M)
759	696.2600	1390.5054	1390.8448	-0.3394	2	6	4.3	1	YLAI RVP LRYK
241	456.1500	910.2854	910.4834	-0.1979	0	6	3.8	1	LLLD MYK + Oxidation (M)
544	629.2700	1256.5254	1256.7088	-0.1834	1	6	4.7	1	QIEGKVVEISR
971	564.2300	1689.6682	1689.8654	-0.1972	2	6	4.2	1	KRMQDLNLAMDALR + Oxidation (M)
52	414.8200	827.6254	827.5593	0.0662	1	6	4.6	1	VSL LKLR
1069	675.5700	2023.6882	2024.0843	-0.3961	2	6	3	1	GIFWKDEAQVVRWALEK
47	413.1700	824.3254	824.4466	-0.1211	0	6	3.7	1	FALISM K + Oxidation (M)
58	415.1600	828.3054	828.5181	-0.2127	2	6	6.1	1	RKEGIVK
575	429.1400	1284.3982	1284.7401	-0.3420	0	5	4.2	1	AVGTQALSGAGLLK
626	432.9600	1295.8582	1295.6068	0.2514	0	5	4.1	1	MDVGGLSDPYVK + Oxidation (M)
798	722.2100	1442.4054	1442.6249	-0.2194	1	5	3.2	1	RYTMGDAPDFDR
568	428.1600	1281.4582	1281.6789	-0.2207	2	5	4.1	1	DERILSHERK
236	453.2500	904.4854	904.4978	-0.0123	1	5	6.2	1	LKGSQSTGK
1158	856.0200	2565.0382	2565.2317	-0.1935	1	5	2.9	1	AMNEFDIFINCIEAYVTLKMK + Oxidation (M)
141	431.2400	860.4654	860.4790	-0.0135	0	5	6.3	1	MITAKPGK + Oxidation (M)
46	413.1600	824.3054	824.3586	-0.0531	0	5	3.8	1	ISTDDMK + Oxidation (M)
347	527.2500	1052.4854	1052.5365	-0.0511	0	5	4.5	1	VPGFMYPVK + Oxidation (M)
194	444.2200	886.4254	886.4885	-0.0631	2	5	6.3	1	KQWRNR

776	473.6900	1418.0482	1417.7235	0.3247	1	5	4.3	1	GMLNGAVPSEATKK + Oxidation (M)
138	431.1800	860.3454	860.4504	-0.1050	1	5	6.4	1	WAGNSKAK
1137	769.2800	2304.8182	2305.2001	-0.3819	1	5	2.7	1	LVQRQMLGLEHPLDYTAGHK
27	399.1700	796.3254	796.4443	-0.1188	0	5	3.7	1	HIEVTAK
801	724.3400	1446.6654	1446.7501	-0.0846	0	5	5	1	QQDLSIAMVVTSR
42	412.6700	823.3254	823.4803	-0.1549	0	5	4.1	1	LEAPGPLK
657	441.7100	1322.1082	1321.7354	0.3728	2	5	1.5	1	KKGSQGAIPPPDK
813	491.1900	1470.5482	1470.6409	-0.0927	1	5	4.3	1	EMESFQRNTSDK
770	472.2400	1413.6982	1413.6632	0.0350	0	5	5.2	1	MLFESADVSM ¹ LR + Oxidation (M)
1151	821.3500	2461.0282	2461.0737	-0.0456	0	5	3.4	1	TLSQSSESGLTPSGPPGHTMEVSC + Oxidation (M)
22	398.1800	794.3454	794.3923	-0.0468	0	5	4.2	1	GISSEFR
145	431.2500	860.4854	860.4868	-0.0014	1	5	6.5	1	KAPSGFVR
308	506.3300	1010.6454	1010.4855	0.1599	0	5	4.4	1	VFLSNMER + Oxidation (M)
124	430.0900	858.1654	858.4923	-0.3269	1	5	7.1	1	KVTTTPGR
625	432.2100	1293.6082	1293.5871	0.0211	1	5	5.1	1	TLMAAGDKDGDGK + Oxidation (M)
77	417.1500	832.2854	832.4589	-0.1734	1	5	5.6	1	IACSKVR
684	668.7600	1335.5054	1335.6670	-0.1616	1	5	4.7	1	TNDEIKFLNDK
203	445.2600	888.5054	888.4705	0.0349	1	5	6.2	1	DGKATVWI
226	448.3100	894.6054	894.4269	0.1785	1	5	4.2	1	KFNMDPK + Oxidation (M)
758	464.2400	1389.6982	1389.6895	0.0087	2	5	5.3	1	GAGTQSGNARMKGR
130	430.8300	859.6454	859.5279	0.1175	1	5	6.6	1	IPKAYIR
560	426.9900	1277.9482	1277.6074	0.3408	1	5	4.7	1	KAPFMP ¹ TDESR
1112	738.9000	2213.6782	2213.3374	0.3408	0	5	1.4	1	APILLSILVNFVLFICIIR
1154	834.6600	2500.9582	2501.2472	-0.2890	2	5	3.4	1	EDTSEEVV ¹ PVLVNNWKKECVK
366	538.1300	1074.2454	1074.5305	-0.2851	1	5	5.4	1	KPEDRSSEK
1144	777.7800	2330.3182	2330.2608	0.0574	1	5	4.2	1	LRQVLVSHVSHPFALTQQDR
157	432.1700	862.3254	862.4396	-0.1141	0	5	6.2	1	ETISTANK
90	425.1600	848.3054	848.3665	-0.0610	0	5	5.9	1	WQDDTGK
402	561.2900	1120.5654	1120.5070	0.0584	0	5	5.2	1	CLSPDDSTVK
362	536.2300	1070.4454	1070.6236	-0.1782	1	5	6.2	1	YLPNPALKR
200	445.1900	888.3654	888.5545	-0.1891	1	5	6.4	1	KVAFVLGR
984	571.5900	1711.7482	1711.9608	-0.2126	0	5	4.5	1	IITLEEGDLILTGTK
85	419.6800	837.3454	837.4167	-0.0712	0	5	4.4	1	ANFMAIR + Oxidation (M)
780	473.8900	1418.6482	1418.6976	-0.0494	0	5	4.5	1	GISDLAQHYLMR + Oxidation (M)
1179	1011.3000	3030.8782	3030.5121	0.3661	1	5	1.9	1	MSGGLAPSKSTVYVSNLPFLTNNDLYR
1101	722.2500	2163.7282	2164.0582	-0.3301	1	5	2.5	1	GAEALQKIQEAYGDVSGLCR
184	441.1600	880.3054	880.4146	-0.1092	0	5	4.2	1	LMAGSMAGK + Oxidation (M)
667	666.6900	1331.3654	1331.7098	-0.3444	1	5	5.4	1	TGYAYRHPLVR
183	440.6900	879.3654	879.4338	-0.0683	0	5	4.9	1	SLSAEFLN
114	429.2000	856.3854	856.3861	-0.0007	0	5	5.6	1	DVEAHMR
117	429.2600	856.5054	856.5382	-0.0327	1	5	5.6	1	GEIIKLK
453	591.1500	1180.2854	1180.6023	-0.3168	1	5	4.2	1	LNGVRFTSCK
1091	702.2100	2103.6082	2103.9426	-0.3344	2	5	1.2	1	HRMSEKDCGGGDALSNGIK + Oxidation (M)
208	446.0700	890.1254	890.4532	-0.3277	0	5	5.9	1	MTPTGAGLK + Oxidation (M)
663	444.1500	1329.4282	1329.5945	-0.1663	0	5	5.4	1	QTYGDM ¹ EVMLK + Oxidation (M)
131	430.8400	859.6654	859.4260	0.2395	2	5	7	1	RDREER
237	453.2900	904.5654	904.5528	0.0127	2	5	7	1	MKRTLLK + Oxidation (M)
761	465.9200	1394.7382	1394.8497	-0.1115	0	5	4.8	1	IIVPNSTAGLIIGK
403	562.1700	1122.3254	1122.6761	-0.3506	0	5	5	1	VLALVQEVR
379	545.7900	1089.5654	1089.5164	0.0490	0	5	6	1	LMTAYNSYK
534	417.2900	1248.8482	1248.6649	0.1833	1	5	5.5	1	MSLAWRTLQK + Oxidation (M)
269	473.2200	944.4254	944.4563	-0.0309	0	5	6.5	1	LLENADDR
590	430.1100	1287.3082	1287.7009	-0.3927	0	5	3.9	1	YGSVIQLLHMK
159	432.2100	862.4054	862.3967	0.0087	0	5	6.6	1	GVGAGCNTK
677	445.2600	1332.7582	1332.6352	0.1230	1	5	5.5	1	GMEHLLSMKCK
66	415.2700	828.5254	828.4341	0.0913	0	5	7.2	1	SEDLPLR
528	417.0000	1247.9782	1247.6730	0.3052	0	5	5.2	1	MLMLQGLIAAR + 2 Oxidation (M)
737	687.1800	1372.3454	1372.6722	-0.3267	0	5	4.1	1	EEESLENIPSVK
111	429.1400	856.2654	856.4766	-0.2112	0	5	5.9	1	LNQAVANK
597	430.8600	1289.5582	1289.6986	-0.1405	2	5	5.2	1	RQLSMTLRGGR + Oxidation (M)
722	453.9600	1358.8582	1358.5516	0.3066	0	5	5.1	1	CMDLSASAMDVK + 2 Oxidation (M)
316	510.6300	1019.2454	1019.5070	-0.2615	0	5	6.1	1	LNATTDVMR
688	446.9700	1337.8882	1337.6476	0.2406	2	5	5.5	1	YYDSKNHQKR
413	566.9200	1131.8254	1131.6612	0.1643	2	5	5.4	1	VSKVVKGSSGK
461	397.1600	1188.4582	1188.4977	-0.0396	0	5	5.9	1	QPAMMMFSSK + 2 Oxidation (M)

940	547.8800	1640.6182	1640.7835	-0.1653	0	5	4.9	1	VYFDFQIGDEPVGR
1118	751.7400	2252.1982	2252.1590	0.0392	0	5	4.3	1	SDYLPISHPQGNEFLPVLAR
465	398.8100	1193.4082	1193.5802	-0.1721	0	5	5.6	1	SGIHHDHVR
139	431.2200	860.4254	860.4650	-0.0396	1	5	7.4	1	SARQIMR
966	561.2900	1680.8482	1680.8691	-0.0209	2	5	4.9	1	MPFSKVKALCSELR + Oxidation (M)
1103	724.3400	2169.9982	2170.0688	-0.0707	1	5	4.4	1	LDLDPVDSGGMKNLGVSPQGR + Oxidation (M)
860	510.6300	1528.8682	1528.8110	0.0572	1	5	5	1	SALSGAPGGPAGYLRR
118	429.2700	856.5254	856.4879	0.0376	2	5	6	1	RVSKDPR
232	450.1800	898.3454	898.5124	-0.1669	1	5	5.4	1	IPKDGIEK
369	539.2700	1076.5254	1076.5727	-0.0472	0	5	6.2	1	VVHEQVNPR
104	428.1600	854.3054	854.4134	-0.1079	0	5	4.2	1	AEELHEK
520	415.2800	1242.8182	1242.6720	0.1461	0	5	5.6	1	ALQASALAAWGGK
81	417.2900	832.5654	832.4443	0.1211	0	5	6.4	1	NPITGFGK
980	855.3000	1708.5854	1708.7614	-0.1760	1	5	4.2	1	TFFKEGPEDMANETK + Oxidation (M)
95	426.1500	850.2854	850.4582	-0.1728	2	5	4.8	1	KTNAMEK + Oxidation (M)
709	673.8200	1345.6254	1345.7062	-0.0808	1	5	6.5	1	TSGGAGGLGSLRASR
212	446.7200	891.4254	891.5766	-0.1512	1	5	6.1	1	VLRVLHR
423	574.7200	1147.4254	1147.5694	-0.1439	2	5	6	1	SPSRRESSR
189	443.1500	884.2854	884.4352	-0.1497	0	4	5.5	1	DPAVGQNGK
205	445.3000	888.5854	888.3937	0.1917	0	4	7.3	1	GDSGQPSNK
987	573.2100	1716.6082	1716.8656	-0.2574	2	4	5.4	1	AVAKGDFHQASTSSRR
1100	722.2100	2163.6082	2163.9994	-0.3912	1	4	0.98	1	SGRYEMEETEVTTSYQK + Oxidation (M)
1016	892.3400	1782.6654	1782.8934	-0.2280	0	4	4.9	1	FMGSSILGSLGTLGNTR + Oxidation (M)
204	445.2800	888.5454	888.4301	0.1154	0	4	7.4	1	AEAIDSQR
675	445.2000	1332.5782	1332.6860	-0.1078	1	4	6	1	VCEAVPGAKGAFK
1126	755.8600	2264.5582	2264.2317	0.3264	1	4	1.6	1	LSVFQTVNKFLLSLFTHR
313	509.8900	1017.7654	1017.4839	0.2815	1	4	7.6	1	KQNETENR
1056	666.2900	1995.8482	1995.9724	-0.1242	2	4	4.8	1	ASLMNEDFEKIKNWQK + Oxidation (M)
201	445.2000	888.3854	888.4552	-0.0698	0	4	7.4	1	SSAPAEVTK
693	447.2500	1338.7282	1338.7619	-0.0337	2	4	4.7	1	LVEHESTKLK
699	447.3000	1338.8782	1338.7408	0.1374	0	4	4.7	1	HIDLKPLYANR
783	473.9300	1418.7682	1418.6282	0.1400	0	4	5.3	1	HMQMSSQEALNK + Oxidation (M)
904	529.7100	1586.1082	1585.8069	0.3013	1	4	5.3	1	GLCGAIHSSVAKQMK
915	534.7500	1601.2282	1600.8607	0.3675	1	4	2.6	1	GEDVNVKQILLSMR
73	416.8400	831.6654	831.3835	0.2820	1	4	8	1	EERQDR
769	707.7000	1413.3854	1413.7100	-0.3245	0	4	4.9	1	HEDTNLASSTIVK
559	426.6700	1276.9882	1276.6043	0.3839	0	4	5.6	1	MSLSLMFTTSK + 2 Oxidation (M)
407	564.2300	1126.4454	1126.4778	-0.0324	0	4	6	1	DEGYEAAASSK
930	541.4800	1621.4182	1621.7658	-0.3476	0	4	2.7	1	MVGEDPYLISDLDR
1172	933.3800	2797.1182	2797.2186	-0.1004	1	4	3.4	1	VWAEYDPAACGRISYNDMFEMLK + 2 Oxidation (M)
945	548.2800	1641.8182	1641.8434	-0.0252	1	4	5.5	1	ADLQASRQVEQLR
398	560.2400	1118.4654	1118.5729	-0.1074	1	4	7	1	LPRWLCMK + Oxidation (M)
214	447.1500	892.2854	892.4371	-0.1517	2	4	6.8	1	RKCAACK
1052	656.2500	1965.7282	1965.8659	-0.1377	0	4	4.7	1	AQELEMEMLSSTSPPER + 2 Oxidation (M)
834	755.8200	1509.6254	1509.7708	-0.1454	2	4	6.2	1	MTESSLPSASKTKK + Oxidation (M)
1128	756.2900	2265.8482	2266.0320	-0.1838	1	4	3.8	1	MEKYENLGLVGESYGMVMK + 2 Oxidation (M)
323	516.7400	1031.4654	1031.5070	-0.0415	0	4	6.8	1	ALMDSNLPR + Oxidation (M)
649	658.2600	1314.5054	1314.7118	-0.2064	0	4	5.9	1	ISSQMVVWLPR
906	532.1900	1593.5482	1593.7933	-0.2451	0	4	5.2	1	SQVMTHLVHVEER + Oxidation (M)
963	560.7300	1679.1682	1678.8387	0.3295	2	4	5.1	1	REEQRYSGELSGIR
610	431.2500	1290.7282	1290.6172	0.1109	1	4	6.3	1	GQIMAMSREPR + Oxidation (M)
766	702.2100	1402.4054	1402.7490	-0.3435	0	4	5.4	1	QMALPGSLTSASLK
96	426.6700	851.3254	851.3960	-0.0705	0	4	5.4	1	CGVQNFK
299	504.0700	1006.1254	1006.4866	-0.3611	1	4	3.7	1	NAESVKGMR + Oxidation (M)
840	757.2800	1512.5454	1512.8008	-0.2554	1	4	5.6	1	QSSTAPNVVNAARAK
147	431.2500	860.4854	860.4940	-0.0086	2	4	8.2	1	VRRSTSR
622	432.0700	1293.1882	1293.5871	-0.3989	1	4	0.94	1	TLMAAGDKDGDGK + Oxidation (M)
26	399.1100	796.2054	796.4191	-0.2137	1	4	4.8	1	KHQAGEK
942	548.1800	1641.5182	1641.8951	-0.3769	1	4	4.9	1	AGDTIPRIFQAVQR
276	473.9200	945.8254	945.4992	0.3263	1	4	6.1	1	RLQSESAR
274	473.8900	945.7654	945.5284	0.2371	0	4	6.4	1	DPLYIGLR
445	389.2200	1164.6382	1164.6213	0.0169	0	4	6.1	1	ASTSLMWLLK + Oxidation (M)
567	428.0600	1281.1582	1281.5069	-0.3487	0	4	0.75	1	SGDGESSEGSSAR
8	387.7200	773.4254	773.4395	-0.0141	1	4	8.8	1	LEKAASR
748	689.1800	1376.3454	1376.6896	-0.3441	1	4	5	1	SSSQSSKNTGLKP

282	475.1500	948.2854	948.4341	-0.1487	0	4	6.3	1	TFESYFR
683	446.0700	1335.1882	1334.8147	0.3735	1	4	0.62	1	HIRTVTQLQVLR
161	433.1200	864.2254	864.3759	-0.1505	1	4	5.8	1	REEEMR + Oxidation (M)
997	577.2700	1728.7882	1728.9379	-0.1497	1	4	6.3	1	KSMIISATIHMQVVR + Oxidation (M)
196	445.0600	888.1054	888.4665	-0.3610	1	4	6.2	1	DRATDLAK
358	534.7500	1067.4854	1067.5281	-0.0426	1	4	5.3	1	SGSSSVAAMKK + Oxidation (M)
272	473.8600	945.7054	945.4015	0.3040	0	4	6.6	1	MESGFGFR + Oxidation (M)
908	532.2500	1593.7282	1593.8297	-0.1015	1	4	5.6	1	CSLSLVGRGFLTER
988	573.2200	1716.6382	1716.7261	-0.0879	0	4	6	1	SAEMEPEDSGGHSQK + Oxidation (M)
6	387.6700	773.3254	773.4032	-0.0777	0	4	9	1	QQGGGSLK
991	574.3000	1719.8782	1719.8713	0.0069	1	4	5.5	1	DIKSDNILLGMDGSVK + Oxidation (M)
333	519.9600	1037.9054	1037.5804	0.3250	1	4	3.8	1	TVRGMLPHK
782	473.9200	1418.7382	1418.7300	0.0082	2	4	5.7	1	TDAAVEMKRINR + Oxidation (M)
125	430.1100	858.2054	858.4447	-0.2392	0	4	9.4	1	VEVVEER
126	430.1800	858.3454	858.3355	0.0099	0	4	9.5	1	DDDHETK
1139	769.7100	2306.1082	2306.1688	-0.0607	2	4	4.5	1	RDEIAIMETINNGKSIFEAR
825	748.3600	1494.7054	1494.9246	-0.2191	1	4	5.6	1	ASAILRSQKPVVVK
257	464.1600	926.3054	926.4709	-0.1655	0	4	6.1	1	AGTYSSTLK
1086	689.1800	2064.5182	2064.1514	0.3668	2	4	1.1	1	LKGAILTTMLATRNFSVGR + Oxidation (M)
794	716.3200	1430.6254	1430.8497	-0.2242	2	4	7	1	LKKDVEFLAQLK
10	389.2200	776.4254	776.3963	0.0292	1	4	8.7	1	AVREMR + Oxidation (M)
182	440.2100	878.4054	878.4167	-0.0113	0	4	7.2	1	EMLQQSK + Oxidation (M)
1022	604.7600	1811.2582	1810.9359	0.3222	2	4	5	1	QMRVSRPYKISESSK + Oxidation (M)
849	759.2700	1516.5254	1516.8072	-0.2817	0	4	5.8	1	MGLPAGQVPSLLYR + Oxidation (M)
1121	754.9500	2261.8282	2262.1049	-0.2767	2	4	4.2	1	LAMSKKQEELEELDEAVER + Oxidation (M)
309	507.1900	1012.3654	1012.5553	-0.1898	1	4	6.6	1	IVPEKGAGDK
1155	849.2400	2544.6982	2544.4111	0.2871	1	4	2.1	1	RPMLQRIGGLHPDIPVSVIFGAR + Oxidation (M)
89	423.1200	844.2254	844.4879	-0.2624	2	4	9.6	1	RDKTAVR
116	429.2400	856.4654	856.3861	0.0793	1	4	7.4	1	REMYSR + Oxidation (M)
796	479.7100	1436.1082	1435.7242	0.3840	2	4	4.6	1	NKMSIQGDPKYR
1143	774.8300	2321.4682	2321.1131	0.3551	0	4	3.9	1	VLEGNTMADESLITGEAMPVTK + Oxidation (M)
983	856.0200	1710.0254	1710.0040	0.0215	0	4	5.8	1	GTITITSVLKPKALVASR
165	433.2300	864.4454	864.4011	0.0443	0	4	6.4	1	MANVADTK + Oxidation (M)
1161	874.7800	2621.3182	2621.3602	-0.0420	2	4	4.3	1	RLLGYPATLKDNFGFIETANHDK
564	427.1700	1278.4882	1278.6932	-0.2050	0	4	6.8	1	VNADPELLPGVR
480	606.2700	1210.5254	1210.6670	-0.1415	1	4	5.5	1	ITSLHREVEK
258	464.2400	926.4654	926.4167	0.0487	0	4	6.5	1	EMSEFIR + Oxidation (M)
1098	716.3200	2145.9382	2146.1465	-0.2083	2	4	5.3	1	TIMIGKAAPGYHMAKMIK + Oxidation (M)
229	449.2800	896.5454	896.4100	0.1354	0	4	5.5	1	ASPAGSDHR
401	561.2700	1120.5254	1120.6604	-0.1350	0	4	7.3	1	GTPPTLLGIR
999	577.6800	1730.0182	1729.8967	0.1214	2	4	6.5	1	LERVDGPKQCLLMR + Oxidation (M)
566	427.2000	1278.5782	1278.6642	-0.0860	1	4	6.9	1	MPNIAKDVFTK + Oxidation (M)
854	507.9500	1520.8282	1520.8688	-0.0406	2	4	6.5	1	GPAFRNLKIGVGHR
494	412.7300	1235.1682	1235.4976	-0.3294	0	4	1.1	1	EGPEDMANETK + Oxidation (M)
225	448.0900	894.1654	894.4600	-0.2945	0	4	5.8	1	GFSFVNPK
929	540.7800	1619.3182	1618.9519	0.3663	2	4	1	1	TRTIQRVTTILGFSK
951	827.4300	1652.8454	1652.8495	-0.0041	1	4	6.9	1	SHSRQVSVGLHLNR
176	436.2700	870.5254	870.4123	0.1131	0	3	7.7	1	VYEADFK
1136	768.9400	2303.7982	2304.0726	-0.2744	1	3	3.5	1	QHGMIRTEITGAETAEEMEKEK + 2 Oxidation (M)
1050	646.2400	1935.6982	1936.0207	-0.3225	2	3	5.1	1	VSPDYNWFRSTVPLKK
243	457.2500	912.4854	912.5141	-0.0287	1	3	6.5	1	PAGGRAGSLK
1174	942.2600	2823.7582	2823.4344	0.3238	2	3	2.9	1	LEEFPAPFRAQVFRFEASVIEER
39	412.0500	822.0854	822.3984	-0.3130	0	3	6	1	EPSPTHR
283	475.1600	948.3054	948.4148	-0.1094	0	3	7.6	1	GNAESADSAK
923	537.7300	1610.1682	1609.8538	0.3144	1	3	5.8	1	WPLYLSTKNTIMK + Oxidation (M)
749	460.0800	1377.2182	1376.8616	0.3566	2	3	1.1	1	LVLKSKNGIHLR
831	504.0700	1509.1882	1508.8059	0.3822	1	3	2.5	1	RLAEDGAHVVISSR
396	558.1800	1114.3454	1114.4093	-0.0639	0	3	8	1	MSPADGSMCK + 2 Oxidation (M)
661	443.1600	1326.4582	1326.6489	-0.1907	1	3	7	1	MLKEGATASEYK
856	509.8900	1526.6482	1526.7446	-0.0964	0	3	6.8	1	AAHMCAGLAGVINR
1001	577.8000	1730.3782	1730.7756	-0.3974	1	3	0.91	1	DSYSGGVVNMVYHMKK + Oxidation (M)
865	769.2800	1536.5454	1536.7572	-0.2118	1	3	6.6	1	RGVDYNAEIPFEK
1045	635.2300	1902.6682	1902.9647	-0.2965	2	3	5.7	1	RTKDLADLQGSDSVAEAK
1150	817.9300	2450.7682	2451.1490	-0.3809	2	3	2	1	NVSQSQAMLNQMAKMDPR + Oxidation (M)
1104	728.1700	2181.4882	2181.1113	0.3769	1	3	3.3	1	DHRGTMIPSEAPLLHHQVK + Oxidation (M)

393	556.2400	1110.4654	1110.6033	-0.1379	0	3	7	1	QDGLNLNPLK
1034	933.3800	1864.7454	1864.8521	-0.1067	1	3	5.9	1	MLMNARYFLEMSDTK + Oxidation (M)
99	427.1600	852.3054	852.4705	-0.1651	0	3	6.4	1	HVIVDLA
970	563.7200	1688.1382	1687.8060	0.3322	1	3	6.1	1	APCSAGAAAASGSEVAR
592	430.2000	1287.5782	1287.7285	-0.1504	1	3	7.6	1	TLEEKSDIILK
580	429.2400	1284.6982	1284.7402	-0.0420	0	3	7.1	1	VLQATVVAVGSGGK
920	804.0500	1606.0854	1605.7899	0.2955	2	3	6.8	1	RIWSEYDPEAKGR
1110	737.7900	2210.3482	2210.0559	0.2923	1	3	5.5	1	ASMKGLGTDEDSLIEIICSR + Oxidation (M)
306	506.2300	1010.4454	1010.4855	-0.0401	0	3	7.2	1	ALVGDFMSR + Oxidation (M)
805	485.7700	1454.2882	1454.6565	-0.3683	0	3	1.5	1	IINDYYPEEDGK
539	419.1400	1254.3982	1254.6867	-0.2885	1	3	7.5	1	LVVCPRLNR
338	524.2100	1046.4054	1046.6825	-0.2770	2	3	9.8	1	KKPILHRR
174	435.2000	868.3854	868.3596	0.0258	0	3	6.4	1	SMSTEGNK + Oxidation (M)
482	612.8000	1223.5854	1223.7098	-0.1244	1	3	7.4	1	RLLGPANSGIAR
447	583.8000	1165.5854	1165.5588	0.0266	1	3	7.4	1	NNTAKNHPR
998	577.6800	1730.0182	1729.8610	0.1572	0	3	7.6	1	GVAHLWQEFVLEMR + Oxidation (M)
279	473.9400	945.8654	945.4926	0.3728	2	3	6.8	1	RRMQEAR
1134	764.6800	2291.0182	2290.9744	0.0437	0	3	6.3	1	CYAHFSGLVACAPGYMGVR + Oxidation (M)
713	675.5700	1349.1254	1348.7351	0.3904	0	3	1.8	1	SAAAFKPVGSTSVK
1156	1273.4600	2544.9054	2545.2661	-0.3606	0	3	4.5	1	VTTVVATPGQGPDRPQEVSYTDTK
349	531.7100	1061.4054	1061.5651	-0.1597	1	3	10	1	RMLTSEGLR
1000	577.7700	1730.2882	1729.9648	0.3234	2	3	3.6	1	KLVEASDMVLELKK
745	688.3200	1374.6254	1374.5652	0.0603	1	3	7.6	1	MTLKECGMMDK + 2 Oxidation (M)
284	475.2100	948.4054	948.4739	-0.0684	0	3	8.5	1	EMLNLWK + Oxidation (M)
640	435.2000	1302.5782	1302.7183	-0.1402	0	3	9.1	1	TQEILSQLPFK
924	538.1300	1611.3682	1611.7207	-0.3526	1	3	2.1	1	ADWTPLMMACTRK + 2 Oxidation (M)
538	627.2200	1252.4254	1252.6663	-0.2409	1	3	7.3	1	STIGVDGSVYKK
921	536.7500	1607.2282	1606.8315	0.3967	0	3	3.6	1	ASVSFQIIEVQSGR
1108	1099.2900	2196.5654	2196.1804	0.3851	1	3	1.7	1	VFLQHVSRTFHNLEGSVVK
1163	876.7500	2627.2282	2627.2438	-0.0156	2	3	4.4	1	DYAFVHFSNREDAVEAMKALNGK + Oxidation (M)
397	559.3200	1116.6254	1116.6655	-0.0401	2	3	9.3	1	RELKTFVPK
342	526.2300	1050.4454	1050.5934	-0.1480	1	3	8.1	1	DHGLVNLRK
278	473.9400	945.8654	945.5066	0.3589	1	3	7.1	1	AQPKMVTR + Oxidation (M)
645	656.2500	1310.4854	1310.6942	-0.2088	0	3	7.2	1	VPPNSTSNILNR
757	464.1600	1389.4582	1389.6064	-0.1482	1	3	9.2	1	LHSGNCRQCMK
291	485.7700	969.5254	969.6335	-0.1080	1	3	8.2	1	IQILSKLR
681	446.0000	1334.9782	1334.7418	0.2363	2	3	8.7	1	KISEARHLPER
1	385.0900	768.1654	768.3991	-0.2336	1	3	6.5	1	GGHTRNK
436	579.3100	1156.6054	1156.4958	0.1097	0	3	9.7	1	LTFMEEEDK + Oxidation (M)
416	570.8800	1139.7454	1139.6186	0.1268	0	3	8.2	1	VTEIPTDLPR
1060	668.7600	2003.2582	2002.9097	0.3485	2	3	6.8	1	LADFGTCMKMNKEGMVR + Oxidation (M)
616	431.2600	1290.7582	1290.5914	0.1668	1	3	9	1	EMSVYEAYRK + Oxidation (M)
911	533.2600	1596.7582	1596.7548	0.0034	2	3	7.1	1	AHCSICKRCIR
294	490.2000	978.3854	978.3787	0.0068	0	3	9.6	1	MGDMGDPPK + 2 Oxidation (M)
755	463.0600	1386.1582	1385.7990	0.3591	2	3	2.6	1	INESIKAQTKVR
1102	722.3000	2163.8782	2164.0551	-0.1769	2	3	6.3	1	NINEAMRVLVEKMNNNSR + Oxidation (M)
804	484.6900	1451.0482	1450.7932	0.2549	0	3	7.5	1	LHLIAQELPFDR
935	544.8000	1631.3782	1631.7580	-0.3798	0	3	1.8	1	LYWSDHGTDSGVPAK
972	564.6700	1690.9882	1690.8269	0.1612	1	3	7.9	1	MALSMPLNGLKEEDK + Oxidation (M)
1177	1009.8400	3026.4982	3026.4763	0.0219	1	3	5.3	1	GIITAILDDACMNVGKVTDMGFLEALNSK + 2 Oxidation (M)
521	415.6400	1243.8982	1243.7136	0.1846	2	3	9.6	1	GKENSKEVLK
948	549.7900	1646.3482	1646.7466	-0.3984	2	3	1.4	1	ADTGKMYAMKCLDK + Oxidation (M)
1166	892.3400	2673.9982	2674.3398	-0.3416	1	3	4.7	1	WHRLQDELQNSPEGMQVLRPNK
863	767.3000	1532.5854	1532.7955	-0.2101	1	3	8.9	1	MIHMLNAAAYRVK + Oxidation (M)
881	518.1800	1551.5182	1551.6835	-0.1653	1	2	8.8	1	DTKCQSQSGVGEEK
228	449.2600	896.5054	896.4175	0.0880	0	2	7.3	1	CFQSVTR
135	431.1500	860.2854	860.3851	-0.0996	0	2	13	1	NMWPEGK
192	444.1500	886.2854	886.4760	-0.1905	1	2	13	1	AESPVKEK
50	413.2500	824.4854	824.4136	0.0719	0	2	7.5	1	MLMSSIK + Oxidation (M)
458	395.2100	1182.6082	1182.6033	0.0049	1	2	8.1	1	QSFQEAARKFK
262	466.2900	930.5654	930.4658	0.0996	0	2	12	1	GPSSVEDIK
1159	860.3100	2577.9082	2578.2306	-0.3225	2	2	3.7	1	MAAKSDGAAAVAGPGPEGAGADRGGAGGR
1170	925.2000	2772.5782	2772.3133	0.2649	1	2	6	1	YTSLLADKVGCVNLDTVDMVDCLR + Oxidation (M)
1044	634.2800	1899.8182	1899.9474	-0.1293	0	2	7.9	1	LAMQEFMILPVGASSFK + 2 Oxidation (M)
312	509.2600	1016.5054	1016.5251	-0.0196	0	2	11	1	SAPGSALSTAR

425	576.7200	1151.4254	1151.5467	-0.1213	0	2	8.9	1	VCMLNPFQK + Oxidation (M)
188	442.1300	882.2454	882.4447	-0.1992	0	2	7.4	1	VDQPPEAK
268	473.1000	944.1854	944.4927	-0.3072	1	2	12	1	GNPSIKDSK
460	396.0600	1185.1582	1185.5522	-0.3940	0	2	1.5	1	DMIMQFTR + 2 Oxidation (M)
408	564.6700	1127.3254	1127.6411	-0.3156	2	2	11	1	NELLEAKRR
1010	587.2800	1758.8182	1759.0430	-0.2248	0	2	8.7	1	MQFLVALLLSVAVAR + Oxidation (M)
574	428.7400	1283.1982	1283.5737	-0.3755	0	2	1.7	1	SSQDMLSIMEK + Oxidation (M)
672	445.1700	1332.4882	1332.5842	-0.0961	0	2	10	1	IGAFGYMECSAK
40	412.0600	822.1054	822.3984	-0.2930	0	2	8.4	1	EPSPTHR
240	455.1100	908.2054	908.6032	-0.3977	1	2	10	1	RPRVLLR
348	529.7100	1057.4054	1057.5768	-0.1713	1	2	11	1	RLSDPTLEK
651	659.3100	1316.6054	1316.6507	-0.0452	2	2	10	1	AKDERAGMQPAK + Oxidation (M)
550	635.2300	1268.4454	1268.6990	-0.2535	0	2	9.8	1	LVTFLQHQQR
103	428.0600	854.1054	854.3812	-0.2758	1	2	5.5	1	KMGNNMK + Oxidation (M)
900	526.7700	1577.2882	1576.9453	0.3429	2	2	0.72	1	YGRKVLVLLSPR
1178	1009.8600	3026.5582	3026.4008	0.1574	2	2	6	1	HQIQSYTCEIDALKGTNDSLMRQMR + 2 Oxidation (M)
191	443.1900	884.3654	884.5331	-0.1676	1	2	9.9	1	KLTVPAEK
799	722.2500	1442.4854	1442.7412	-0.2557	2	2	8.6	1	SALTQHMERRAK + Oxidation (M)
944	821.8400	1641.6654	1641.8878	-0.2224	2	2	9.8	1	YLDFIFAVKNEKR
259	465.9200	929.8254	929.4930	0.3324	1	2	11	1	QKDVLGDR
734	686.2500	1370.4854	1370.6864	-0.2009	0	2	10	1	EMSNPDITPVL
352	533.1200	1064.2254	1064.5614	-0.3360	0	2	10	1	TLPSPQASHK
1061	672.1700	2013.4882	2013.0994	0.3888	0	2	2.4	1	ASLVGGSSEDTVSLTPLQIK
700	448.0900	1341.2482	1341.6426	-0.3944	0	2	3.1	1	HQSLQPSDFGAR
426	576.7300	1151.4454	1151.5467	-0.1013	0	2	10	1	VCMLNPFQK + Oxidation (M)
19	396.0600	790.1054	790.3821	-0.2766	1	2	14	1	DGEGKGTK
49	413.2300	824.4454	824.4136	0.0319	0	2	8.8	1	MLMSSIK + Oxidation (M)
466	399.0200	1194.0382	1193.6478	0.3903	0	2	2.8	1	CATGVLVYLAK
144	431.2500	860.4854	860.3988	0.0867	1	2	15	1	ENKGEER
561	427.1400	1278.3982	1278.5524	-0.1542	0	2	11	1	HSKSHSPMSTR + Oxidation (M)
1171	932.8100	2795.4082	2795.3865	0.0217	2	2	7.6	1	LEFEDGSVLKQFLSETEKLSPEDR
613	431.2500	1290.7282	1290.7812	-0.0530	1	2	12	1	LLTVIKWHGPK
1131	759.2700	2274.7882	2275.1386	-0.3504	1	2	7.2	1	GLQHPNIVRFYDSWESTVK
711	449.7500	1346.2282	1346.5118	-0.2837	0	1	1.7	1	SAEEAYEDMMR + Oxidation (M)
405	563.3400	1124.6654	1124.5801	0.0854	1	1	12	1	MYGQPVFRK
490	412.0500	1233.1282	1233.4866	-0.3585	1	1	0.72	1	SDAHRMDCK
1182	1273.4600	3817.3582	3817.0025	0.3556	2	1	2	1	SGPSVARPLAMSRSPAPRAVSGAPLRPGTVLGTMEMGR
388	550.7100	1099.4054	1099.5557	-0.1502	1	1	14	1	MAPSGPGGVRR + Oxidation (M)
1175	942.3200	2823.9382	2824.2111	-0.2729	0	1	2.5	1	SSVHSECMMPVMLGDHVSSTFPR + Oxidation (M)
127	430.2000	858.3854	858.4196	-0.0341	0	1	17	1	ISGGDPTGR
858	764.6800	1527.3454	1527.7425	-0.3971	1	1	3.6	1	MDFVMKQALGATK + 2 Oxidation (M)
1135	767.3000	2298.8782	2299.2437	-0.3655	2	1	7.3	1	IGQSKIFFRAGVLAHLEER
209	446.0700	890.1254	890.3916	-0.2662	0	1	14	1	DCGPLSSR
21	397.1800	792.3454	792.4130	-0.0676	0	1	13	1	FTGGIGNK
600	431.1500	1290.4282	1290.6945	-0.2663	2	1	13	1	IYRASKFHNR
502	414.1100	1239.3082	1239.5956	-0.2875	0	1	8.4	1	GGPGAGGSATPGAQR
230	449.2900	896.5654	896.4096	0.1559	0	1	9.7	1	MTLQCTK + Oxidation (M)
738	459.1100	1374.3082	1374.6272	-0.3190	1	1	5.9	1	MNSKMVYSGSK + Oxidation (M)
958	834.6600	1667.3054	1666.9770	0.3284	2	1	2.2	1	AETVSPLKHFVLAKK
621	432.0600	1293.1582	1293.5368	-0.3786	1	1	1.6	1	GEAGRDGMGDTGR + Oxidation (M)
1162	875.8600	2624.5582	2624.2408	0.3174	1	1	8.6	1	VQAAHQWREDFASNEVVYNAK
451	590.7800	1179.5454	1179.5673	-0.0218	0	1	12	1	GFNLPLYQDAR
249	459.1500	916.2854	916.4324	-0.1470	0	1	17	1	MPEDQVAK
969	563.3400	1686.9982	1686.7680	0.2302	2	1	10	1	SMAYMRGVYFRMK + 3 Oxidation (M)
1011	884.0800	1766.1454	1765.9686	0.1768	2	1	10	1	QTNLDEKQLAKLHTK
786	474.1700	1419.4882	1419.7028	-0.2146	0	1	11	1	LLQLLTCSSDDR
529	417.0600	1248.1582	1248.5155	-0.3573	0	1	1.2	1	TDYTPFSCMK
509	622.2200	1242.4254	1242.5624	-0.1370	0	1	13	1	VQIFEMMDAK + 2 Oxidation (M)
821	498.7200	1493.1382	1492.7643	0.3739	1	1	7.6	1	MVWLVAmtsRQR + Oxidation (M)
1014	591.1500	1770.4282	1770.8132	-0.3851	1	1	2.4	1	AEAAGEAGASERDPDAVR
687	446.7200	1337.1382	1336.8190	0.3191	2	1	2.4	1	QLAKLHTKTGLK
747	459.7400	1376.1982	1375.8075	0.3907	0	1	1.6	1	YILVTGGVISGIGK
235	453.2200	904.4254	904.4436	-0.0182	0	1	18	1	TALAMGADR
292	487.7300	973.4454	973.5556	-0.1102	1	1	16	1	IGQTATKQK
427	385.0900	1152.2482	1152.5492	-0.3010	2	1	11	1	SNMQRSKMR + Oxidation (M)

896	786.3200	1570.6254	1570.6648	-0.0394	0	1	12	1	SAGVDDQENWHEGK
175	435.7300	869.4454	869.4971	-0.0516	0	1	13	1	VLSPEAVR
839	756.2900	1510.5654	1510.7542	-0.1887	1	1	11	1	YPQQWHLNNRR
708	673.4700	1344.9254	1344.6972	0.2282	1	1	13	1	ARCYLLPAPER
28	399.1800	796.3454	796.4919	-0.1465	1	1	10	1	RIQVPGK
523	416.0500	1245.1282	1245.5230	-0.3949	0	1	1.4	1	QCEPCSPNVR
994	576.7200	1727.1382	1726.8971	0.2411	1	1	11	1	HAIMRSPQM ⁺ SAIVR + 2 Oxidation (M)
1020	600.7300	1799.1682	1798.8447	0.3234	0	1	12	1	WFEEMVTTTLELER + Oxidation (M)
55	415.0100	828.0054	828.3978	-0.3923	0	1	2.6	1	DDPVDLR
115	429.2300	856.4454	856.5130	-0.0676	1	1	15	1	IADLKAAR
1080	688.2500	2061.7282	2061.8247	-0.0965	0	1	9.7	1	TDDPQLDGD ⁺ DDNDEGNLSK
723	681.2400	1360.4654	1360.7245	-0.2591	2	1	14	1	DLTSKNCLVRR
264	471.2700	940.5254	940.5130	0.0124	0	1	13	1	HAFGAPLTK
217	447.2200	892.4254	892.4337	-0.0083	1	1	16	1	RGMPYGGRR
106	428.2100	854.4054	854.4763	-0.0708	1	1	10	1	TLYRFR
838	756.2100	1510.4054	1510.7306	-0.3251	2	1	8.1	1	KLCVKEMNSGMAK + Oxidation (M)
37	411.3500	820.6854	820.4191	0.2663	0	1	16	1	YLQQNR
97	426.9900	851.9654	852.3613	-0.3959	0	1	1.4	1	EYNADGGK
324	517.0800	1032.1454	1032.4519	-0.3065	1	1	8.8	1	EQRCGNGGR
354	533.2600	1064.5054	1064.5325	-0.0270	0	1	14	1	MGLNDFIQK
198	445.1400	888.2654	888.5069	-0.2414	0	1	18	1	IPSFQGLK
996	577.2500	1728.7282	1728.9046	-0.1764	1	0	15	1	LGETYKDHENIVIAK
380	547.8800	1093.7454	1093.5954	0.1501	0	0	14	1	MILLAFSSGR
297	498.7200	995.4254	995.4746	-0.0491	0	0	13	1	YPAIMTER + Oxidation (M)
777	473.8600	1418.5582	1418.6500	-0.0918	1	0	13	1	DNSFITERMYK + Oxidation (M)
1067	673.8700	2018.5882	2018.9619	-0.3737	1	0	4.5	1	DGFIDKEDLHDM ⁺ LASLGK + Oxidation (M)
1040	942.3200	1882.6254	1882.9142	-0.2887	1	0	11	1	RMTAAHPPETTVGNMVR + Oxidation (M)
868	514.1900	1539.5482	1539.7504	-0.2022	1	0	15	1	GRPEDKLEFM ⁺ R + Oxidation (M)
1078	687.1800	2058.5182	2058.8656	-0.3475	1	0	2.9	1	MLMRGESGEVTDDEM ⁺ ATR + 2 Oxidation (M)
431	577.6800	1153.3454	1153.6204	-0.2749	1	0	15	1	TSGDLQKHIR
965	561.2700	1680.7882	1680.8683	-0.0801	0	0	14	1	TAPGSLDHITTVVTADGK
829	754.9500	1507.8854	1507.8259	0.0595	1	0	14	1	LPLARHAFEGLR
878	517.1100	1548.3082	1547.9473	0.3609	1	0	3	1	MSLLNPVLLPPKVK
100	427.1600	852.3054	852.4229	-0.1174	0	0	13	1	DYETVVK
190	443.1600	884.3054	884.5079	-0.2025	2	0	15	1	APAKKGGEK
853	760.7900	1519.5654	1519.7154	-0.1500	0	0	15	1	YASGPSASLGGPESAVA
890	781.3000	1560.5854	1560.8698	-0.2843	1	0	13	1	MTAIGAQA ⁺ YKLLGPK
1063	673.4700	2017.3882	2017.0704	0.3177	1	0	9.8	1	KHNLGINNNILQPVDSK
302	505.2100	1008.4054	1008.4400	-0.0345	0	0	14	1	FNDEDIEK
571	428.3700	1282.0882	1281.7881	0.3001	2	0	4.1	1	RGSPLLIGVRSK
479	604.7600	1207.5054	1207.5444	-0.0390	0	0	16	1	TVCNPWFER
515	415.2500	1242.7282	1242.6793	0.0489	2	0	16	1	ARTAQVQKDAR
5	387.1400	772.2654							
20	397.1600	792.3054							
23	398.8100	795.6054							
25	399.1100	796.2054							
29	399.2500	796.4854							
51	414.1100	826.2054							
53	414.9900	827.9654							
54	415.0000	827.9854							
62	415.2500	828.4854							
64	415.2600	828.5054							
65	415.2600	828.5054							
72	416.2800	830.5454							
74	416.9100	831.8054							
75	417.0000	831.9854							
79	417.1800	832.3454							
98	427.1400	852.2654							
101	427.1700	852.3254							
113	429.1600	856.3054							
121	429.9600	857.9054							
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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 : ± 0.4 Da
 Fragment Mass Tolerance: ± 0.4 Da
 Max Missed Cleavages : 2
 Instrument type : ESI-4SECTOR
 Number of queries : 1182

Mascot: <http://www.matrixscience.com/>