

MATRIX

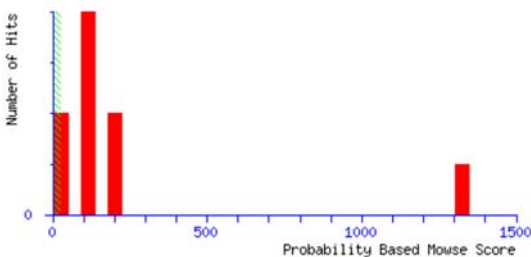
SCIENCE

Mascot Search Results

User :
Email :
Search title :
MS data file : C:\Dokumente und Einstellungen\Juliane\Eigene Dateien\Qtrap-files\Quantifizierung 25092008\Qtrap0016154-1.mgf
Database : Sprout 51.6 (257964 sequences; 93947433 residues)
Taxonomy : Rattus (5769 sequences)
Timestamp : 2 Oct 2008 at 12:03:14 GMT
Protein hits : [ANPRA_RAT](#) Atrial natriuretic peptide receptor A precursor (ANP-A) (ANPRA) (GC-A) (Guanylate cyclase) (EC 4.6.1.2)
[HS90B_RAT](#) Heat shock protein HSP 90-beta (HSP 84) - Rattus norvegicus (Rat)
[HS90A_RAT](#) Heat shock protein HSP 90-alpha (HSP 86) - Rattus norvegicus (Rat)
[GRP78_RAT](#) 78 kDa glucose-regulated protein precursor (GRP 78) (Heat shock 70 kDa protein 5) (Immunoglobulin heav
[RBM10_RAT](#) RNA-binding protein 10 (RNA-binding motif protein 10) (S1-l protein) - Rattus norvegicus (Rat)
[GUC2E_RAT](#) Guanylyl cyclase GC-E precursor (EC 4.6.1.2) (Guanylate cyclase 2E) - Rattus norvegicus (Rat)
[GUC2F_RAT](#) Retinal guanylyl cyclase 2 precursor (EC 4.6.1.2) (Guanylate cyclase 2F, retinal) (RETGC-2) (Rod outer
[ALBU_RAT](#) Serum albumin precursor - Rattus norvegicus (Rat)
[SCN4A_RAT](#) Sodium channel protein type 4 subunit alpha (Sodium channel protein type IV subunit alpha) (Voltage-ga

Probability Based Mowse Score

Ions score is -10*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

Peptide Summary

Help

Significance threshold p<

0.05

Max. number of hits

AUTO

Standard scoring

☐ MudPIT scoring
 ☒ Ions score or expect cut-off

30

Show sub-sets

0

Show pop-ups

☒ Suppress pop-ups
 ☐ Sort unassigned

Decreasing Score

Require bold red

☐

Select All

Select None

Search Selected

☐ Error tolerant

Archive Report

1. [ANPRA_RAT](#) Mass: 119789 Score: 1325 Queries matched: 40 emPAI: 1.43
Atrial natriuretic peptide receptor A precursor (ANP-A) (ANPRA) (GC-A) (Guanylate cyclase) (EC 4.6.1.2) (NPR-A) (Atrial natr
☐ 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"/>	20	394.2300	786.4454	786.4712	-0.0257	1	34	0.0086	1	K.RIELTR.K
<input checked="" type="checkbox"/>	39	409.1900	816.3654	816.4031	-0.0377	0	31	0.015	1	R.FTAHWR.V
<input checked="" type="checkbox"/>	229	457.7100	913.4054	913.4869	-0.0814	0	34	0.0063	1	K.IHLSSETK.A
<input checked="" type="checkbox"/>	274	491.2100	980.4054	980.4814	-0.0760	0	35	0.0042	1	R.TQAYLEEK.R
<input checked="" type="checkbox"/>	275	491.2200	980.4254	980.4814	-0.0560	0	(32)	0.009	1	R.TQAYLEEK.R
<input checked="" type="checkbox"/>	294	516.3600	1030.7054	1030.5447	0.1607	0	46	0.00048	1	K.ELVSELWR.V
<input checked="" type="checkbox"/>	305	519.2600	1036.5054	1036.5342	-0.0287	0	39	0.0022	1	R.TYWLLGER.G
<input checked="" type="checkbox"/>	318	526.7400	1051.4654	1051.5550	-0.0895	0	45	0.00049	1	R.YSLTNDIVK.G
<input checked="" type="checkbox"/>	319	526.7600	1051.5054	1051.5550	-0.0495	0	(40)	0.0017	1	R.YSLTNDIVK.G
<input checked="" type="checkbox"/>	348	536.7500	1071.4854	1071.6110	-0.1256	0	86	4e-008	1	R.MALALLDAVR.S
<input checked="" type="checkbox"/>	353	544.7700	1087.5254	1087.6059	-0.0805	0	(46)	0.00045	1	R.MALALLDAVR.S + Oxidation (M)
<input checked="" type="checkbox"/>	359	548.3300	1094.6454	1094.6448	0.0007	0	82	9.3e-008	1	R.VGPAVELALAR.V
<input checked="" type="checkbox"/>	365	549.7800	1097.5454	1097.6233	-0.0779	0	36	0.0042	1	K.LWTAPELLR.M
<input checked="" type="checkbox"/>	367	550.3000	1098.5854	1098.5710	0.0145	0	52	8.3e-005	1	R.SFQGVGTGULK.I
<input checked="" type="checkbox"/>	371	556.2400	1110.4654	1110.5418	-0.0763	0	51	0.00012	1	R.DVQNEHLTR.F
<input checked="" type="checkbox"/>	384	564.7600	1127.5054	1127.6087	-0.1033	0	62	1.2e-005	1	K.LGDFVTALHR.R
<input checked="" type="checkbox"/>	456	600.7800	1199.5454	1199.5822	-0.0368	0	48	0.00025	1	K.ITDYGLESFR.D
<input checked="" type="checkbox"/>	696	680.3000	1358.5854	1358.6466	-0.0612	0	44	0.00061	1	R.WEDLQPSSLER.H
<input checked="" type="checkbox"/>	766	714.2900	1426.5654	1426.6915	-0.1260	0	58	2.2e-005	1	R.VIYICSSPDAFR.N
<input checked="" type="checkbox"/>	787	490.2000	1467.5782	1467.6994	-0.1212	0	(32)	0.0083	1	R.DPEPEQGHITLFAK.K
<input checked="" type="checkbox"/>	788	734.8000	1467.5854	1467.6994	-0.1140	0	54	6.3e-005	1	R.DPEPEQGHITLFAK.K
<input checked="" type="checkbox"/>	793	737.7700	1473.5254	1473.7423	-0.2168	0	62	1e-005	1	K.ENSSNILDNLLSR.M
<input checked="" type="checkbox"/>	794	737.7900	1473.5654	1473.7423	-0.1768	0	(36)	0.0037	1	K.ENSSNILDNLLSR.M
<input checked="" type="checkbox"/>	798	738.9000	1475.7854	1475.9075	-0.1221	0	60	1.9e-005	1	R.VPLLTAGAPALGIGVK.D

801	747.2400	1492.4654	1492.7085	-0.2431	0	49	0.0002	1	K.EPDNPEYLEFLK.Q
802	747.3100	1492.6054	1492.7085	-0.1031	0	(36)	0.0036	1	K.EPDNPEYLEFLK.Q
813	752.3200	1502.6254	1502.6824	-0.0569	0	64	6.3e-006	1	R.YCLFGDVTNTASR.M
817	755.7700	1509.5254	1509.7715	-0.2461	0	63	7.6e-006	1	R.SGVFVYVEGLDLSPK.E
818	755.7800	1509.5454	1509.7715	-0.2261	0	(57)	3.2e-005	1	R.SGVFVYVEGLDLSPK.E
926	821.3900	1640.7654	1640.8603	-0.0948	0	51	0.00011	1	K.LYWPLGYPPDPVK.C
946	833.8300	1665.6454	1665.8250	-0.1795	0	40	0.0017	1	K.AVLEEFDFGELELR.G
1018	607.8800	1820.6182	1820.9343	-0.3161	0	72	8e-007	1	K.VETIGDAYMVVSGLPVR.N + Oxidation (M)
1026	933.8300	1865.6454	1865.8465	-0.2010	0	119	1.5e-011	1	R.MEQYANNLEELVEER.T
1032	941.8200	1881.6254	1881.8414	-0.2160	0	(98)	1.8e-009	1	R.MEQYANNLEELVEER.T + Oxidation (M)
1033	628.2400	1881.6982	1881.8414	-0.1432	0	(44)	0.00051	1	R.MEQYANNLEELVEER.T + Oxidation (M)
1061	673.5300	2017.5682	2017.8364	-0.2682	0	(50)	3.8e-005	1	R.DTDFSLWMDMPETGAFR.V + Oxidation (M)
1062	1009.8000	2017.5854	2017.8364	-0.2509	0	(58)	7.5e-006	1	R.DTDFSLWMDMPETGAFR.V + Oxidation (M)
1063	1009.8100	2017.6054	2017.8364	-0.2309	0	(79)	7.2e-008	1	R.DTDFSLWMDMPETGAFR.V + Oxidation (M)
1064	1009.8500	2017.6854	2017.8364	-0.1509	0	82	6e-008	1	R.DTDFSLWMDMPETGAFR.V + Oxidation (M)
1196	884.0000	2648.9782	2649.2711	-0.2929	1	58	1.2e-005	1	K.ITDYGLESFRDPEPEQGHTLFAK.K

2. [HS90B_RAT](#) Mass: 83571 Score: 185 Queries matched: 5 emPAI: 0.21

Heat shock protein HSP 90-beta (HSP 84) - 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
309	520.2300	1038.4454	1038.4869	-0.0415	0	49	0.0002	1	R.YESLTDPSK.L
402	576.2200	1150.4254	1150.5506	-0.1251	0	57	3e-005	1	K.YIDQEELNK.T
496	621.7900	1241.5654	1241.6979	-0.1325	0	43	0.00094	1	K.ADLINNLGTIAK.S
618	656.2200	1310.4254	1310.5626	-0.1372	0	62	7.7e-006	1	K.EDQTEYLEER.R
1122	731.6000	2191.7782	2191.9328	-0.1546	0	60	9.5e-006	1	R.YHTSQSGDEMTSLSEYVSR.M + Oxidation (M)

3. [HS90A_RAT](#) Mass: 85161 Score: 174 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
309	520.2300	1038.4454	1038.4869	-0.0415	0	49	0.0002	1	R.YESLTDPSK.L
402	576.2200	1150.4254	1150.5506	-0.1251	0	57	3e-005	1	K.YIDQEELNK.T
496	621.7900	1241.5654	1241.6979	-0.1325	0	43	0.00094	1	K.ADLINNLGTIAK.S
586	646.2400	1290.4654	1290.6303	-0.1648	0	54	6.7e-005	1	R.ELISNSSDALDK.I
618	656.2200	1310.4254	1310.5626	-0.1372	0	62	7.7e-006	1	K.EDQTEYLEER.R

4. [GRP78_RAT](#) Mass: 72473 Score: 106 Queries matched: 3 emPAI: 0.14

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

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

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Peptide
233	459.7000	917.3854	917.4706	-0.0851	0	37	0.0034	1	K.VLEDSDLK.K
349	537.7300	1073.4454	1073.5465	-0.1011	0	42	0.0011	1	K.ITITNDQNR.L
468	614.7600	1227.5054	1227.6207	-0.1153	0	77	3.6e-007	1	R.VEIIANDQGNR.I

5. [RBM10_RAT](#) Mass: 94672 Score: 96 Queries matched: 3 emPAI: 0.11

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
354	545.7200	1089.4254	1089.5051	-0.0796	0	50	0.00019	1	R.DGLGSDNIGSR.M
619	656.8000	1311.5854	1311.7147	-0.1292	0	38	0.0024	1	K.QGIVTPIEAQTR.V
701	683.2300	1364.4454	1364.6096	-0.1641	0	53	8.4e-005	1	R.GSSYGVSTESYK.E

6. [GUC2E_RAT](#) Mass: 121750 Score: 76 Queries matched: 2 emPAI: 0.05

Guanylyl cyclase GC-E precursor (EC 4.6.1.2) (Guanylate cyclase 2E) - 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
813	752.3200	1502.6254	1502.6824	-0.0569	0	64	6.3e-006	1	R.YCLFGDVTNTASR.M
1019	608.2700	1821.7882	1821.8931	-0.1049	0	32	0.0084	1	K.VETIGDAYMVASGLPQR.N + Oxidation (M)

7. [GUC2F_RAT](#) Mass: 125244 Score: 76 Queries matched: 2 emPAI: 0.05

Retinal guanylyl cyclase 2 precursor (EC 4.6.1.2) (Guanylate cyclase 2F, retinal) (RETGC-2) (Rod outer segment membrane guar

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

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Peptide
813	752.3200	1502.6254	1502.6824	-0.0569	0	64	6.3e-006	1	R.YCLFGDVTNTASR.M
1019	608.2700	1821.7882	1821.9295	-0.1413	1	32	0.0084	1	K.VETIGDAYMVASGLPKR.N + Oxidation (M)

8. [ALBU_RAT](#) Mass: 70682 Score: 53 Queries matched: 1 emPAI: 0.05

Serum albumin precursor - 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"/> 997	583.8200	1748.4382	1748.6553	-0.2171	0	53	2e-005	1	K.ECCHGDLLECADDR.A

9. [SCN4A_RAT](#) Mass: 210954 Score: 30 Queries matched: 1 emPAI: 0.02

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

☐ 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"/> 269	488.7800	975.5454	975.4695	0.0759	0	30	0.019	1	K.QEEVCAIK.I

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

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Peptide
<input checked="" type="checkbox"/> 104	426.6700	851.3254	851.3960	-0.0705	0	28	0.022	1	CGVQNFK
<input checked="" type="checkbox"/> 214	449.7000	897.3854	897.4920	-0.1065	0	28	0.024	1	LADINGPAK
<input checked="" type="checkbox"/> 805	748.3300	1494.6454	1494.7943	-0.1488	0	27	0.025	1	SAQGLVPQKPWER
<input checked="" type="checkbox"/> 806	748.3400	1494.6654	1494.7943	-0.1288	0	27	0.026	1	SAQGLVPQKPWER
<input checked="" type="checkbox"/> 361	548.7700	1095.5254	1095.6400	-0.1146	1	25	0.04	1	LLALEPERR
<input checked="" type="checkbox"/> 825	505.2100	1512.6082	1512.7056	-0.0974	1	25	0.046	1	ETQSVSTEDFRSK
<input checked="" type="checkbox"/> 632	443.7100	1328.1082	1327.7347	0.3734	0	25	0.02	1	LSASLPDTVGQLK
<input checked="" type="checkbox"/> 266	484.6900	967.3654	967.4611	-0.0956	0	24	0.054	1	DEYALTTR
<input checked="" type="checkbox"/> 325	528.7600	1055.5054	1055.6087	-0.1033	0	24	0.074	1	LQIATNLQR
<input checked="" type="checkbox"/> 282	505.2100	1008.4054	1008.4546	-0.0491	0	23	0.074	1	METASELGR + Oxidation (M)
<input checked="" type="checkbox"/> 270	489.1600	976.3054	976.4899	-0.1845	0	23	0.11	1	MEIQEAIK + Oxidation (M)
<input checked="" type="checkbox"/> 333	532.2500	1062.4854	1062.5683	-0.0828	0	21	0.15	1	HRPQEQLR
<input checked="" type="checkbox"/> 167	438.7700	875.5254	875.5480	-0.0226	1	21	0.17	1	KVLFELK
<input checked="" type="checkbox"/> 378	563.3300	1124.6454	1124.7393	-0.0939	2	20	0.16	1	VAILKANLRK
<input checked="" type="checkbox"/> 22	395.7000	789.3854	789.4021	-0.0167	0	20	0.23	1	LTDWQK
<input checked="" type="checkbox"/> 288	511.1700	1020.3254	1020.5274	-0.2019	0	19	0.2	1	MQISLTSNK
<input checked="" type="checkbox"/> 94	421.7300	841.4454	841.3674	0.0781	0	19	0.18	1	MSTLSCK + Oxidation (M)
<input checked="" type="checkbox"/> 1023	622.2300	1863.6682	1863.7979	-0.1297	0	19	0.18	1	CDMLTDPNQEVLEER + Oxidation (M)
<input checked="" type="checkbox"/> 1185	836.2900	2505.8482	2506.2346	-0.3865	1	19	0.078	1	QNGFSGGVGALGIMNRLAETSASR
<input checked="" type="checkbox"/> 215	449.7100	897.4054	897.4742	-0.0688	0	18	0.2	1	LCVLHEK
<input checked="" type="checkbox"/> 1024	932.8700	1863.7254	1863.7979	-0.0724	0	18	0.23	1	CDMLTDPNQEVLEER + Oxidation (M)
<input checked="" type="checkbox"/> 679	449.7000	1346.0782	1345.7817	0.2965	1	18	0.19	1	EKVSTAVLSITAK
<input checked="" type="checkbox"/> 747	472.2400	1413.6982	1413.7728	-0.0746	2	18	0.29	1	NKLDGQHAIKK
<input checked="" type="checkbox"/> 522	418.1400	1251.3982	1251.6315	-0.2333	1	18	0.26	1	MVTALDTAMKR + Oxidation (M)
<input checked="" type="checkbox"/> 517	417.1900	1248.5482	1248.6350	-0.0868	1	18	0.29	1	EGEQAKALFEK
<input checked="" type="checkbox"/> 1120	729.2800	2184.8182	2185.1129	-0.2947	1	17	0.22	1	KEVYFMAIDILTHYDAK + Oxidation (M)
<input checked="" type="checkbox"/> 306	519.3700	1036.7254	1036.5342	0.1913	0	17	0.32	1	TYWLLGER
<input checked="" type="checkbox"/> 847	516.6000	1546.7782	1546.8103	-0.0322	1	17	0.28	1	ELAVNTGRIQGDFK
<input checked="" type="checkbox"/> 718	459.7000	1376.0782	1375.7129	0.3653	2	17	0.25	1	DTRGKLEGMELK
<input checked="" type="checkbox"/> 52	412.1400	822.2654	822.4388	-0.1734	0	17	0.31	1	LPFSGFR
<input checked="" type="checkbox"/> 431	392.8000	1175.3782	1175.6914	-0.3132	1	16	0.42	1	IPNTLLKSYK
<input checked="" type="checkbox"/> 969	566.5800	1696.7182	1696.8744	-0.1562	1	16	0.38	1	LQQKEEATAAPDLAGR
<input checked="" type="checkbox"/> 335	532.7400	1063.4654	1063.5332	-0.0677	2	16	0.42	1	EKKLMEDR + Oxidation (M)
<input checked="" type="checkbox"/> 940	550.7700	1649.2882	1648.9148	0.3734	0	16	0.085	1	TQEQLANQGLIPPLK
<input checked="" type="checkbox"/> 838	512.7800	1535.3182	1534.9307	0.3875	1	16	0.094	1	LKPRAAEGAAVALLR
<input checked="" type="checkbox"/> 345	535.7600	1069.5054	1069.5768	-0.0713	1	16	0.48	1	SLLEDKTHK
<input checked="" type="checkbox"/> 301	518.2600	1034.5054	1034.5621	-0.0566	2	16	0.45	1	RYVRAENK
<input checked="" type="checkbox"/> 156	433.3500	864.6854	864.4487	0.2367	2	15	0.43	1	AESKRMK + Oxidation (M)
<input checked="" type="checkbox"/> 177	443.7100	885.4054	885.4192	-0.0138	0	15	0.5	1	AGQAGPSGIE
<input checked="" type="checkbox"/> 516	417.1500	1248.4282	1248.6285	-0.2003	0	15	0.49	1	LFCNTTVPAAR
<input checked="" type="checkbox"/> 761	475.1600	1422.4582	1422.7507	-0.2925	1	15	0.41	1	SKDFQLFGSPLGK
<input checked="" type="checkbox"/> 845	516.3600	1546.0582	1545.7102	0.3480	2	15	0.49	1	FKDRMVSMVMDR + 2 Oxidation (M)
<input checked="" type="checkbox"/> 241	467.1800	932.3454	932.4927	-0.1472	0	15	0.57	1	SSITQIER
<input checked="" type="checkbox"/> 366	549.8400	1097.6654	1097.6233	0.0421	0	15	0.46	1	LWTAPELLR
<input checked="" type="checkbox"/> 883	528.2200	1581.6382	1581.8838	-0.2456	1	15	0.47	1	DALTERLALIQPSR
<input checked="" type="checkbox"/> 670	449.2500	1344.7282	1344.8163	-0.0881	1	15	0.53	1	LARILLMASTLK + Oxidation (M)
<input checked="" type="checkbox"/> 140	431.2300	860.4454	860.4868	-0.0414	1	15	0.73	1	KAPSGFVR

673	449.2700	1344.7882	1344.7613	0.0269	2	15	0.56	1	PEVSAKGTISK
143	431.2400	860.4654	860.4174	0.0480	0	15	0.76	1	TPCNLTR
411	577.7700	1153.5254	1153.5516	-0.0262	1	15	0.56	1	VPDFSDYRR
836	511.1700	1530.4882	1530.7500	-0.2619	1	14	0.48	1	MPEWIGGESELRK
31	399.1800	796.3454	796.4741	-0.1287	1	14	0.45	1	HLKMLR
145	431.2500	860.4854	860.4868	-0.0014	1	14	0.79	1	KAPSGFVR
265	481.2000	960.3854	960.4876	-0.1022	0	14	0.64	1	NSSQVLGEK
278	504.1700	1006.3254	1006.4502	-0.1247	1	14	0.6	1	ACKTEADGR
736	467.1800	1398.5182	1398.7579	-0.2397	2	14	0.53	1	KEQERLAQLER
194	447.0600	892.1054	892.4766	-0.3712	1	14	0.59	1	LEGYQKR
484	413.1600	1236.4582	1236.7666	-0.3084	2	14	0.54	1	LRELGPGLVR
434	393.2600	1176.7582	1176.7706	-0.0125	2	14	0.68	1	GLKVLPGKIPR
57	413.1600	824.3054	824.4327	-0.1272	1	14	0.53	1	SRLMFR + Oxidation (M)
984	574.7100	1721.1082	1720.7978	0.3104	1	14	0.6	1	DTSPSPDQKYDMLPK
114	428.8300	855.6454	855.5654	0.0801	2	14	0.71	1	IALKKQR
547	425.6200	1273.8382	1273.6262	0.2119	1	14	0.71	1	TIINADKGDGR
474	411.1900	1230.5482	1230.5888	-0.0406	1	14	0.73	1	LVNGGDRCCGR
906	535.2800	1602.8182	1602.9192	-0.1010	2	13	0.72	1	EKEKVSTAVLSITAK
669	449.2200	1344.6382	1344.6530	-0.0148	2	13	0.74	1	RMVTKFGMSEK + 2 Oxidation (M)
336	533.2100	1064.4054	1064.5172	-0.1117	0	13	0.74	1	AMVASGSELGK + Oxidation (M)
452	399.1800	1194.5182	1194.6655	-0.1474	1	13	0.66	1	LHQRLCQLK
164	436.8000	871.5854	871.5491	0.0364	2	13	0.94	1	EKVQKLK
17	392.8000	783.5854	783.4603	0.1252	0	13	0.57	1	KPAAAAGAK
589	431.2000	1290.5782	1290.6853	-0.1071	1	13	0.82	1	KTLGADDIMLAK + Oxidation (M)
141	431.2300	860.4454	860.4868	-0.0414	1	13	1.1	1	KAPSGFVR
390	567.7900	1133.5654	1133.5387	0.0268	0	13	0.83	1	IDAVDAEMVR + Oxidation (M)
1085	687.3600	2059.0582	2059.1637	-0.1055	2	13	0.59	1	VKTLSQNTLASTASLLR
550	426.6700	1276.9882	1276.6888	0.2994	2	13	0.75	1	SQRGSVWTKTK
749	473.1100	1416.3082	1416.6489	-0.3408	0	13	0.29	1	ADPQEAINCLMR
435	589.7800	1177.5454	1177.6819	-0.1364	2	13	0.88	1	FRALKTSLDK
730	465.1500	1392.4282	1392.7085	-0.2803	2	13	0.84	1	CLWDFKVGRGR
360	548.6800	1095.3454	1095.4768	-0.1313	0	13	0.71	1	DGGVQACFSR
1009	593.2500	1776.7282	1776.8465	-0.1183	0	13	0.72	1	MSYTPGIGGDPAQLAQR + Oxidation (M)
674	449.3000	1344.8782	1344.7262	0.1520	1	13	0.86	1	IEFAQRIGQQR
326	529.2100	1056.4054	1056.6543	-0.2488	0	13	1	1	ILAINSVSLK
603	432.8000	1295.3782	1295.5993	-0.2212	0	13	0.72	1	EEAESTLQSFR
835	510.2200	1527.6382	1527.6810	-0.0428	1	13	0.84	1	QQMGADGMYDKLR + Oxidation (M)
887	530.6400	1588.8982	1588.8824	0.0158	2	13	0.87	1	EKKFQEALVLQK
21	395.2200	788.4254	788.4028	0.0227	1	13	1.4	1	KAEAENK
1092	689.2600	2064.7582	2065.0592	-0.3010	2	13	0.65	1	GTTIYWLRELQDSNKNK
246	470.7100	939.4054	939.4927	-0.0872	1	13	0.79	1	FGGFTGARK
765	475.9800	1424.9182	1424.7082	0.2100	1	13	0.92	1	LPSEMSPDLHRK + Oxidation (M)
173	442.4700	882.9254	882.6014	0.3240	1	13	0.13	1	RALVILAK
1148	755.8100	2264.4082	2264.0756	0.3325	2	13	0.59	1	FPCGEGPANLSGFREVSRR
908	535.7600	1604.2582	1603.8716	0.3866	2	12	0.28	1	KTSPIRATVEIMSR + Oxidation (M)
458	401.1400	1200.3982	1200.7343	-0.3361	1	12	0.94	1	HLQALPKGIPK
582	431.0300	1290.0682	1290.4526	-0.3845	0	12	0.39	1	MTCEETSDMR + 2 Oxidation (M)
514	417.0100	1248.0082	1247.6292	0.3790	1	12	0.71	1	NISTKMVGNER
481	412.2100	1233.6082	1233.6612	-0.0530	2	12	1	1	VKAAGMRVGSSR + Oxidation (M)
461	604.2400	1206.4654	1206.5112	-0.0458	0	12	0.96	1	SGNSQEEAETR
824	505.1800	1512.5182	1512.7056	-0.1874	1	12	0.86	1	ETQSVSTEDFRSK
1137	748.3300	2241.9682	2242.0861	-0.1179	1	12	0.67	1	MTTMVNVDTLPEYEKSQIK + Oxidation (M)
872	526.2100	1575.6082	1575.9137	-0.3055	0	12	0.84	1	WVGILEGLQAILHK
498	415.0100	1242.0082	1241.6339	0.3743	0	12	0.71	1	HPFVSMQQLR
785	489.1600	1464.4582	1464.5852	-0.1270	0	12	0.91	1	SDDEGDENLQDTK
853	518.2600	1551.7582	1551.6844	0.0738	1	12	0.96	1	ADPAECISKVMCR + Oxidation (M)
646	445.2900	1332.8482	1332.7038	0.1444	0	12	0.99	1	LEALGVDQAVYR
899	534.7000	1601.0782	1600.7944	0.2838	0	12	0.95	1	EVAEPQTTSLEELR
430	587.2800	1172.5454	1172.6288	-0.0834	1	12	1.2	1	DIKEAIEEVK
126	429.2800	856.5454	856.5382	0.0073	1	12	1.1	1	GEIILKLG
343	535.2800	1068.5454	1068.5386	0.0068	0	12	0.89	1	IHTGEKPCK
472	411.1600	1230.4582	1230.6794	-0.2213	1	12	1.1	1	LWLKPDMGKK + Oxidation (M)
533	421.1500	1260.4282	1260.6860	-0.2578	1	12	1.1	1	CATLDRALLK
720	460.1800	1377.5182	1377.6347	-0.1165	0	12	1	1	QTAQGMDYLHAK + Oxidation (M)
85	417.1900	832.3654	832.4290	-0.0636	0	12	1.2	1	AISEQTGK
922	545.7200	1634.1382	1633.9225	0.2156	1	12	0.76	1	SLVRLSLEAVICFK
1076	680.3000	2037.8782	2038.0479	-0.1697	0	12	0.84	1	LTLTLTTFMSHVMSIETAK + Oxidation (M)
1125	737.7700	2210.2882	2210.0109	0.2772	2	12	0.78	1	STWNLGNAGKDPGRMYQCR

465	608.2700	1214.5254	1214.6143	-0.0888	0	12	1.1	1	QEDVVEDLLR
919	544.7700	1631.2882	1630.9480	0.3402	1	12	0.22	1	SPFLSVMLAALKNK
652	447.0000	1337.9782	1337.6384	0.3398	1	12	1.1	1	SKMTDEEILEK + Oxidation (M)
697	454.1900	1359.5482	1359.7245	-0.1763	1	12	1.1	1	SKTLEELANDIK
32	399.2100	796.4054	796.4555	-0.0501	1	12	0.87	1	GDPKKPR
844	515.2200	1542.6382	1542.8015	-0.1633	2	12	1.1	1	QPSGATEAPRARFR
874	526.7400	1577.1982	1576.9453	0.2529	2	12	0.58	1	YGRKVLVLLSPR
45	411.1800	820.3454	820.3715	-0.0261	0	12	1.2	1	SHEVYAK
493	414.1800	1239.5182	1239.6320	-0.1138	0	12	1	1	QPAGSGQKPQSR
878	527.2100	1578.6082	1578.7283	-0.1201	0	12	1.1	1	AMAYLESINCVHR + Oxidation (M)
426	391.2000	1170.5782	1170.5777	0.0005	1	12	1.2	1	KLMDLCFTK + Oxidation (M)
815	504.1700	1509.4882	1509.6738	-0.1856	1	12	1.1	1	LNQQMAKMM DPR + 3 Oxidation (M)
819	755.8100	1509.6054	1509.7708	-0.1654	2	12	1.2	1	MTESLPSASKTKK + Oxidation (M)
242	467.2100	932.4054	932.3190	0.0864	0	12	1.4	1	GMMGFNNM + 2 Oxidation (M)
443	396.2400	1185.6982	1185.6254	0.0727	1	11	1.2	1	NWRGIVAQDK
767	721.1100	1440.2054	1439.8136	0.3918	0	11	0.24	1	SHIDQLVLIFAGK
295	516.6000	1031.1854	1031.4131	-0.2276	0	11	1.1	1	QNEYCYR
56	413.1600	824.3054	824.4980	-0.1926	1	11	0.95	1	ALVRNPR
74	415.2500	828.4854	828.4678	0.0176	2	11	1.6	1	NRAGQKR
532	629.8000	1257.5854	1257.6789	-0.0935	2	11	1.2	1	RKSTGPATTSR
25	397.2300	792.4454	792.3986	0.0469	1	11	1.3	1	RMLDMK
875	526.7600	1577.2582	1576.9453	0.3129	2	11	0.18	1	YGRKVLVLLSPR
958	563.3300	1686.9682	1686.8723	0.0959	2	11	0.99	1	SMPIRKDEVQVVR + Oxidation (M)
446	397.2300	1188.6682	1188.6754	-0.0072	0	11	1.3	1	GIIPETATLTK
262	475.1900	948.3654	948.4512	-0.0858	0	11	1.2	1	SSVEVG DTR
932	548.6800	1643.0182	1642.7807	0.2375	1	11	1.1	1	FCDIARLTGSASMAK + Oxidation (M)
12	389.1800	776.3454	776.4181	-0.0726	0	11	1.6	1	FNEIVR
665	447.2800	1338.8182	1338.7507	0.0675	0	11	0.99	1	AGNILLTEPGQVK
1086	688.2400	2061.6982	2061.9889	-0.2907	0	11	0.81	1	VGDSQNPLLS DGLSTMIGK + Oxidation (M)
1139	748.3700	2242.0882	2242.0327	0.0555	2	11	0.88	1	MGLVMDRMGSVERMGSGIER + 2 Oxidation (M)
596	431.2500	1290.7282	1290.6541	0.0741	1	11	1.3	1	SPNNPRLSGHGR
925	547.6600	1639.9582	1639.7373	0.2209	1	11	1.1	1	HTEGGTSEHEKLCR
149	432.0300	862.0454	862.4331	-0.3876	1	11	0.81	1	GGREVAMK + Oxidation (M)
645	445.1900	1332.5482	1332.7071	-0.1590	1	11	1.3	1	KMGADLLGSVQAK + Oxidation (M)
519	417.2700	1248.7882	1248.6350	0.1532	1	11	1.4	1	EEYSDLKLPR
320	526.7900	1051.5654	1051.5550	0.0105	0	11	1.2	1	YSLTNDIVK
485	413.1600	1236.4582	1236.7078	-0.2496	1	11	1.1	1	VEPGEVVVPKGK
575	644.3100	1286.6054	1286.6579	-0.0524	2	11	1.2	1	GQGAAAADGKGKEK
1060	673.1700	2016.4882	2016.8717	-0.3835	1	11	0.26	1	TCLHWGTQKCGEPGACR
1091	688.3100	2061.9082	2061.8247	0.0835	0	11	1	1	TDDPQLDGGDDNDEGNLSK
467	410.1300	1227.3682	1227.6432	-0.2750	2	11	1.3	1	INDGDLNRNR
89	418.1400	834.2654	834.4599	-0.1945	0	11	1.4	1	TVEAFRLR
480	412.1400	1233.3982	1233.4866	-0.0885	1	11	1.5	1	SDAHD RMDCK
234	460.1800	918.3454	918.5399	-0.1945	1	11	1.7	1	RVLVYGR
597	431.2600	1290.7582	1290.5914	0.1668	1	11	1.4	1	EMSVYEAYRK + Oxidation (M)
1084	686.3100	2055.9082	2055.9585	-0.0503	0	11	1.1	1	CWAEDPQERPPFQQIR
412	385.5200	1153.5382	1153.6581	-0.1199	2	11	1.3	1	NRRLGFVHR
950	836.2900	1670.5654	1670.6959	-0.1304	0	11	1.2	1	MPSCTASTMPGMICK
1111	721.3100	2160.9082	2160.9528	-0.0446	1	11	1	1	STQSLSGCEDSGSSLMGRFR
776	727.3100	1452.6054	1452.7395	-0.1340	1	11	1.3	1	NIMALSDGGKLYR + Oxidation (M)
152	432.8000	863.5854	863.4898	0.0956	2	11	1.6	1	KLKNMSK + Oxidation (M)
492	414.1800	1239.5182	1239.6281	-0.1100	1	11	1.2	1	YGV TMEQIKR + Oxidation (M)
538	423.1900	1266.5482	1266.7044	-0.1563	1	11	1.3	1	IATPRGAATPGQK
293	515.2200	1028.4254	1028.5502	-0.1248	0	11	1.8	1	GGLPELSSAAK
911	536.7500	1607.2282	1606.8389	0.3893	1	11	0.58	1	TGQKFSLCILTPDK
974	570.7000	1709.0782	1708.8468	0.2314	2	11	1.1	1	ARRLFWTD TGMSPR + Oxidation (M)
963	564.7400	1691.1982	1690.8903	0.3079	2	11	1	1	NVSQAIHKYNAYRK
566	429.1200	1284.3382	1284.7190	-0.3808	1	11	1	1	KYGLALDPVPGR
664	447.2500	1338.7282	1338.8347	-0.1065	1	11	1.1	1	IQLLKIGSAIQR
1186	837.3600	2509.0582	2509.2734	-0.2152	0	11	0.91	1	AVSTQNLELGLMTYDGNTGLLATK
147	431.2800	860.5454	860.4868	0.0586	1	11	1.9	1	KAPSGFVR
1151	758.3700	2272.0882	2272.1547	-0.0665	1	11	0.99	1	QVDTEEAGVVTAATASN VKASPK
552	427.1600	1278.4582	1278.7006	-0.2424	0	11	1.4	1	MKPNTLVIGYK + Oxidation (M)
629	442.7000	1325.0782	1324.8191	0.2591	1	11	0.68	1	IIGGKGAVITQIR
1100	698.7700	2093.2882	2093.0398	0.2484	2	11	1.1	1	GIFRQLPESSLVKAMGNCA + Oxidation (M)
457	400.9800	1199.9182	1199.5968	0.3213	0	11	1.4	1	EVGQMPAPLSR + Oxidation (M)
782	487.7100	1460.1082	1459.7704	0.3377	1	11	1.1	1	GLSMAKEGVVAAAEK
453	399.2100	1194.6082	1194.7812	-0.1730	2	11	1.3	1	APRAKLISVLK

291	513.1800	1024.3454	1024.4317	-0.0863	0	10	1.2	1	GESMAGAAGMK + Oxidation (M)
473	411.1800	1230.5182	1230.6139	-0.0957	0	10	1.5	1	GGQVNVLMNQK + Oxidation (M)
464	607.8800	1213.7454	1213.6060	0.1395	0	10	1.5	1	RPCLTVMHGK + Oxidation (M)
174	442.7000	883.3854	883.4585	-0.0731	1	10	1.3	1	IRSYMAK + Oxidation (M)
257	474.2300	946.4454	946.4607	-0.0153	0	10	1.8	1	SAVEDEGLK
938	549.8400	1646.4982	1646.7545	-0.2563	2	10	1.1	1	MAGSAFDNFENMKRK + Oxidation (M)
816	504.1700	1509.4882	1509.7093	-0.2211	1	10	1.5	1	EMASASSGPSRSLSK + Oxidation (M)
888	530.7100	1589.1082	1588.7457	0.3625	1	10	1.3	1	HRVFWTDPMQEK + Oxidation (M)
594	431.2400	1290.6982	1290.6276	0.0705	2	10	1.5	1	GRTESGGESRGAK
421	389.1800	1164.5182	1164.7091	-0.1909	1	10	1.5	1	IHLSATRLVR
599	431.9900	1292.9482	1292.5819	0.3663	1	10	1.5	1	EMRGYVEHK + Oxidation (M)
540	423.3000	1266.8782	1266.7044	0.1738	1	10	1.5	1	APRALTAAAPGSGK
668	449.1300	1344.3682	1344.7037	-0.3355	2	10	1.3	1	QEAWEKEKAVK
592	431.2300	1290.6682	1290.5914	0.0768	1	10	1.6	1	EMSVYEAYRK + Oxidation (M)
979	573.2200	1716.6382	1716.7274	-0.0892	2	10	1.5	1	ERDSGKWNDDACHK
598	431.2800	1290.8182	1290.7217	0.0965	2	10	1.6	1	EAVLKKSIEMK + Oxidation (M)
604	433.1700	1296.4882	1296.6053	-0.1172	2	10	1.2	1	MSAKKSPEEMK + 2 Oxidation (M)
1202	933.3300	2796.9682	2797.3453	-0.3772	1	10	0.41	1	RLESASYSSVCSHLAETFGSQVVR
555	427.2600	1278.7582	1278.5914	0.1667	0	10	1.5	1	WVDLTMDDIR + Oxidation (M)
445	397.1700	1188.4882	1188.6867	-0.1985	0	10	1.7	1	TFVLAPSSVLR
1048	645.7400	1934.1982	1933.9985	0.1996	1	10	1.1	1	LKVCFAHGGGAFFPTIGR
1183	833.8300	2498.4682	2498.1858	0.2824	2	10	0.98	1	EDDGGADLHNATNLRSLSGTGR
588	431.2000	1290.5782	1290.6172	-0.0391	0	10	1.7	1	LMQLNLCNNR + Oxidation (M)
259	475.0800	948.1454	948.4149	-0.2694	0	10	1.4	1	ATEDSGVDR
1058	668.2500	2001.7282	2002.0055	-0.2773	1	10	1.1	1	SEGPHHITSTPGVPMGVR + Oxidation (M)
138	431.2000	860.3854	860.3876	-0.0021	0	10	2.2	1	AASSPGEDK
716	688.3000	1374.5854	1374.6878	-0.1024	0	10	1.5	1	SLEDILTQDDVK
455	399.2400	1194.6982	1194.6218	0.0764	2	10	1.4	1	HPRRAQDSTK
1112	721.7800	2162.3182	2162.0756	0.2425	2	10	1.2	1	APSKGFVVRDAPWTSNSEEK
744	471.2000	1410.5782	1410.6926	-0.1144	1	10	1.7	1	RTPGAPGPSSPQMI + Oxidation (M)
54	412.7500	823.4854	823.5028	-0.0174	1	10	1.4	1	VPSRLPR
37	401.2300	800.4454	800.4756	-0.0301	0	10	2.1	1	EALVTIR
1155	764.3100	2289.9082	2289.9511	-0.0430	2	10	1.2	1	EERSGLTTDDDMSEMKMGR + 2 Oxidation (M)
956	562.7700	1685.2882	1684.9260	0.3621	1	10	0.62	1	AHFSSNLTLRGELK
1002	587.2800	1758.8182	1758.9046	-0.0865	1	10	1.5	1	LMKQGGAALEGSSALANGR + Oxidation (M)
334	532.2700	1062.5254	1062.5743	-0.0489	0	10	1.8	1	SCILVVISGK
700	682.2000	1362.3854	1362.6813	-0.2958	1	10	1.5	1	NSLSEEIANKKK
1078	681.0400	2040.0982	2040.1215	-0.0233	1	10	1.3	1	GVDLVNLSLAEEKLQASVR
507	415.3400	1242.9982	1242.6204	0.3777	0	10	1.3	1	VGNEVATGTGPNK
86	417.2100	832.4054	832.4290	-0.0236	0	10	1.9	1	AISEQTGK
321	527.2100	1052.4054	1052.5324	-0.1270	0	10	1.6	1	MTAIGAQAYK
513	417.0000	1247.9782	1247.6517	0.3265	2	10	1.6	1	CTRTRLASQR
1089	688.2900	2061.8482	2062.1508	-0.2576	1	10	1.3	1	LPKAAELLPLQSSPEEQGR
518	417.2100	1248.6082	1248.5703	0.0379	2	10	1.8	1	MARAPCKEDR + Oxidation (M)
771	722.2400	1442.4654	1442.7001	-0.2347	1	10	1.4	1	EDHVADKQSLSSK
393	570.7000	1139.3854	1139.5611	-0.1757	0	10	1.6	1	VEFTTGAYPR
416	387.7500	1160.2282	1160.6223	-0.3942	1	10	1.2	1	GLVDKIMVDR + Oxidation (M)
821	504.6700	1510.9882	1510.6518	0.3364	0	10	1.4	1	ADPCASRPCAHGGR
986	576.2200	1725.6382	1725.8794	-0.2412	2	10	1.4	1	DTMGTIKKICDFLGK
287	510.2200	1018.4254	1018.5043	-0.0789	1	10	2	1	AENRTTEAK
521	626.2200	1250.4254	1250.6475	-0.2220	2	10	1.7	1	AKMRAAEALK + 2 Oxidation (M)
437	394.2300	1179.6682	1179.5302	0.1379	0	10	1.6	1	MTLNGSGGAGGSR + Oxidation (M)
486	413.1900	1236.5482	1236.5405	0.0077	0	10	1.4	1	DQGAMTDQLSR + Oxidation (M)
640	445.0800	1332.2182	1331.8401	0.3781	2	10	0.31	1	KIIAPLVTRHGK
1016	605.2900	1812.8482	1812.8941	-0.0459	2	10	1.4	1	DMVRYARNVIEEFR + Oxidation (M)
1205	942.3400	2823.9982	2824.3515	-0.3534	2	10	0.48	1	EPDGERVVYTGIIYDETVGAPTKSGER
635	666.2700	1330.5254	1330.6492	-0.1238	0	10	1.7	1	WQSMPIWDR
859	519.3700	1555.0882	1554.7764	0.3118	2	10	1.5	1	STNAQGSHWKQRR
300	518.2500	1034.4854	1034.4153	0.0702	0	10	1.7	1	TDGDIEDDR
831	509.2200	1524.6382	1524.8664	-0.2282	1	10	1.7	1	VLKDEFLGQVHLK
357	548.1700	1094.3254	1094.6084	-0.2829	0	10	1.6	1	EPKPVGLNNK
780	729.2800	1456.5454	1456.7894	-0.2440	2	10	1.8	1	KCEPIVMTVPRK
10	387.7700	773.5254	773.4032	0.1223	0	10	2.5	1	QQGSGGLK
762	475.1900	1422.5482	1422.6263	-0.0781	0	10	1.6	1	VGEGFEEETVDGR
1094	690.3300	2067.9682	2067.9862	-0.0180	0	10	1.5	1	GEEPGQDQDPVQLLSGFPR
558	428.2400	1281.6982	1281.5945	0.1037	0	10	1.6	1	MEEVVIAGMSGK + 2 Oxidation (M)
579	430.2800	1287.8182	1287.5408	0.2774	0	10	1.8	1	FEEGDSSGFWK
666	447.3300	1338.9682	1338.6602	0.3080	0	10	1.4	1	NMLFSGTNIAAGK + Oxidation (M)

1103	702.3600	2104.0582	2104.1892	-0.1310	0	10	1.4	1	SLRPEVENNLVLIPPSLSK
737	467.2100	1398.6082	1398.5681	0.0400	0	9	1.7	1	ATSDSGTTNQMR + Oxidation (M)
133	431.0600	860.1054	860.4538	-0.3483	2	9	2.2	1	RKMEGPK + Oxidation (M)
1015	604.2400	1809.6982	1809.9989	-0.3007	1	9	1.6	1	LLALGDSGVGKTTFLYR
990	577.7000	1730.0782	1729.8967	0.1814	2	9	1.7	1	LERVDGPKQCLLMR + Oxidation (M)
1090	688.3000	2061.8782	2062.0551	-0.1769	1	9	1.4	1	NTGIICTIGPASRSVEMLK + Oxidation (M)
478	411.3500	1231.0282	1230.6794	0.3487	1	9	1.1	1	LWLKPDMSGKK + Oxidation (M)
13	389.2100	776.4054	776.4181	-0.0126	0	9	2.5	1	FNEIVR
858	519.2600	1554.7582	1554.8154	-0.0572	0	9	1.7	1	NQIALWDQLLEGR
168	439.2000	876.3854	876.4599	-0.0745	1	9	2.3	1	SARQIMR + Oxidation (M)
95	421.8700	841.7254	841.4658	0.2597	0	9	1.7	1	GTGVPVGQK
637	445.0400	1332.0982	1331.7119	0.3863	0	9	1	1	INSTMTTPQVLK
976	571.2200	1710.6382	1710.9628	-0.3247	1	9	1.7	1	LPTQPSGISTVVKTQR
379	563.7800	1125.5454	1125.6870	-0.1415	1	9	1.8	1	VNALKNLQVK
36	401.1400	800.2654	800.4392	-0.1737	0	9	2.5	1	VQEALNK
900	534.8200	1601.4382	1601.8308	-0.3926	2	9	0.93	1	RATSLAASADVPCRK
310	521.8100	1041.6054	1041.5607	0.0447	0	9	2	1	GFPQQLVR
107	427.1800	852.3454	852.4527	-0.1073	1	9	1.6	1	NAVKMFK + Oxidation (M)
862	520.2300	1557.6682	1557.7246	-0.0564	1	9	1.9	1	VWKTDGLSSCSYR
488	413.2300	1236.6682	1236.7190	-0.0508	2	9	1.7	1	GKKIHGEDIK
477	411.3100	1230.9082	1230.7183	0.1898	1	9	2	1	TLLQKITEASK
87	417.2700	832.5254	832.4225	0.1029	1	9	2.3	1	GVVCDKR
671	449.2500	1344.7282	1344.6642	0.0639	1	9	2	1	GVDGRNLMPVCK
873	526.2300	1575.6682	1575.8178	-0.1496	1	9	1.8	1	EMDKDLNSVVIAVK + Oxidation (M)
740	702.3600	1402.7054	1402.7854	-0.0799	2	9	1.9	1	KDNVLKMIAEVK + Oxidation (M)
413	386.2300	1155.6682	1155.5520	0.1162	1	9	1.9	1	QTRASDSYK
553	427.1800	1278.5182	1278.7157	-0.1975	2	9	2	1	RRQAPSSGVPPK
939	550.3000	1647.8782	1647.7385	0.1397	0	9	1.8	1	NMPTLGAFSMSAAYR + 2 Oxidation (M)
415	387.1400	1158.3982	1158.5955	-0.1973	0	9	2.2	1	QVPVDVVEMK + Oxidation (M)
889	531.5400	1591.5982	1591.7914	-0.1932	2	9	1.8	1	RNSNGTTTETEVRK
1143	751.7500	2252.2282	2252.1470	0.0811	2	9	1.6	1	NQLNEDYKTVNNLLKATMK + Oxidation (M)
308	519.8900	1037.7654	1037.5367	0.2288	1	9	1.8	1	VQPGGRDGR
621	439.2000	1314.5782	1314.6463	-0.0681	1	9	2	1	DGRASVHSMISR
46	411.1900	820.3654	820.3571	0.0083	0	9	2.3	1	MEAMAPR + Oxidation (M)
433	589.2100	1176.4054	1176.5874	-0.1819	1	9	2.1	1	ETELDSLKDK
846	774.3600	1546.7054	1546.8793	-0.1738	1	9	1.8	1	VPLDMSLFLKLQK + Oxidation (M)
155	433.2300	864.4454	864.3735	0.0720	0	9	1.9	1	VVMCGGR
450	399.1600	1194.4582	1194.6972	-0.2390	2	9	1.8	1	SPPLTPKEKAK
864	523.2400	1566.6982	1566.7725	-0.0743	1	9	1.9	1	AIASYISSHCRFR
1042	634.7100	1901.1082	1900.8955	0.2126	1	9	1.8	1	AEYFDGSEPVQNRVYK
712	688.2400	1374.4654	1374.7653	-0.2998	2	9	1.9	1	GKKTNIDSMLR
396	573.1800	1144.3454	1144.6274	-0.2820	1	9	2.2	1	LKVMLADSPR + Oxidation (M)
717	688.3100	1374.6054	1374.7653	-0.1598	2	9	1.9	1	GKKTNIDSMLR
119	429.1200	856.2254	856.4767	-0.2512	0	9	2.3	1	VQTVPSAR
1029	626.8800	1877.6182	1877.9735	-0.3553	0	9	1.4	1	LDSSVVPNTVTFTITR
83	417.1500	832.2854	832.4039	-0.1184	0	9	2.5	1	QSAGATNGK
100	425.1700	848.3254	848.4174	-0.0920	1	9	2.5	1	MRELER + Oxidation (M)
754	473.9300	1418.7682	1418.6725	0.0957	1	9	1.9	1	WDAPAITRSSCR
125	429.2700	856.5254	856.4654	0.0600	0	9	2.3	1	IVDSGPAAK
578	430.1700	1287.4882	1287.5942	-0.1061	1	9	2.1	1	SEVAPEEDERK
48	411.2100	820.4054	820.4555	-0.0501	1	9	2.4	1	GLRQYQK
255	473.9300	945.8454	945.5066	0.3389	0	9	2	1	TQVCGILR
698	454.2000	1359.5782	1359.5725	0.0057	0	9	2.2	1	EPAEAPGGGTGMDR + Oxidation (M)
90	419.1900	836.3654	836.4239	-0.0585	1	9	2.1	1	KADSSTTK
106	427.1600	852.3054	852.3977	-0.0923	0	9	1.8	1	SNNDIPPP
531	420.1600	1257.4582	1257.6425	-0.1843	2	9	2.3	1	ARAEAEAQKR
212	449.2700	896.5254	896.4174	0.1080	0	9	1.7	1	THMHLK + Oxidation (M)
417	387.7700	1160.2882	1160.5608	-0.2726	1	9	2.2	1	NGQTPKG TACK
482	412.7500	1235.2282	1235.6041	-0.3759	1	9	0.87	1	TMSGGRAQSIGR + Oxidation (M)
763	475.2000	1422.5782	1422.7653	-0.1871	1	9	2	1	FLSTEAISIMRR
509	415.6800	1244.0182	1243.6521	0.3661	0	9	1.8	1	ESQTALVVNQR
1105	707.6000	2119.7782	2120.1702	-0.3920	1	9	1.8	1	GQRVAEVIAPTANGAAVELVR
903	802.2600	1602.5054	1602.7849	-0.2794	2	9	2	1	EDSVLRELDREDK
600	432.0300	1293.0682	1292.6799	0.3883	0	9	1.1	1	DNIACVILTFK
966	565.3800	1693.1182	1692.8042	0.3140	1	9	2	1	FWRSGAQMPNNIEK + Oxidation (M)
281	505.1800	1008.3454	1008.4625	-0.1170	1	8	2	1	RDYEVDGR
370	554.1300	1106.2454	1106.6349	-0.3894	1	8	2.2	1	SRLPVPWPR
397	573.2200	1144.4254	1144.5587	-0.1332	1	8	2.4	1	DGATMTFFKK

78	415.6800	829.3454	829.4518	-0.1064	2	8	2.8	1	ADKNRAR
182	445.0800	888.1454	888.4189	-0.2734	0	8	2.8	1	SGPAEATEK
1156	768.7800	2303.3182	2303.0886	0.2296	1	8	1.8	1	GISRSDLEETMSKPPDCLPR + Oxidation (M)
663	447.2400	1338.6982	1338.6463	0.0519	0	8	1.9	1	VNCSEHNTPAAR
1161	785.7900	2354.3482	2354.1900	0.1582	1	8	1.8	1	RQSVLDLMTFTPSSVSSSLQR + Oxidation (M)
839	768.7800	1535.5454	1535.8494	-0.3039	1	8	2.3	1	LPTMSSRLVYTLR
386	565.3800	1128.7454	1128.6550	0.0905	2	8	2.8	1	IRAPITRMR + Oxidation (M)
1027	623.7200	1868.1382	1867.9653	0.1729	2	8	2	1	VHPYQRIVTADRAATGN
1180	829.1700	2484.4882	2484.2568	0.2314	2	8	1.5	1	NELLDGAGNSSENQLIKLREER
561	428.8800	1283.6182	1283.6595	-0.0414	2	8	2.2	1	RNWTGQNPRR
786	489.2200	1464.6382	1464.8664	-0.2282	2	8	2.4	1	KEPLISSVHTKVK
1028	626.2200	1875.6382	1875.9876	-0.3495	1	8	1.8	1	EAPPMEKPEVKTHLR + Oxidation (M)
1176	819.3000	2454.8782	2455.2749	-0.3968	0	8	1.1	1	IVCGTVMAGELSLMAALAAGHLVR + Oxidation (M)
475	411.2100	1230.6082	1230.5914	0.0168	1	8	2.5	1	MEEAKTELHK + Oxidation (M)
190	446.0600	890.1054	890.4895	-0.3841	0	8	2.5	1	NSVAILMK + Oxidation (M)
653	447.0300	1338.0682	1337.8183	0.2499	0	8	1.4	1	YLAIVHAVLALR
1069	674.1800	2019.5182	2019.9109	-0.3927	2	8	0.38	1	YKFESWGACDGSTGTKAR
314	524.2200	1046.4254	1046.5720	-0.1466	2	8	3	1	KVKSDVTDR
841	513.1800	1536.5182	1536.7330	-0.2148	0	8	2.1	1	MLANFMGHSVFQR
1095	690.9600	2069.8582	2070.0820	-0.2238	2	8	1.9	1	SVKKGFDFTLMVAGESGLGK
1021	619.7500	1856.2282	1855.8774	0.3507	1	8	1.8	1	ETYETLASDMQWKVR
655	447.0900	1338.2482	1338.5728	-0.3246	0	8	0.56	1	FFEEPDPSSR
1025	933.3300	1864.6454	1864.8988	-0.2534	1	8	1.8	1	MEQYANNLEKLVEER
684	450.2300	1347.6682	1347.6387	0.0295	1	8	2.4	1	MLNGLDQRCNK
689	451.2400	1350.6982	1350.6680	0.0301	0	8	2.3	1	HLQVWSPEAER
719	689.2600	1376.5054	1376.7156	-0.2101	0	8	2.7	1	MAQVVQVMASAVK + Oxidation (M)
1121	730.5000	2188.4782	2188.0995	0.3787	2	8	1.2	1	HMFPTKLEMMLEPKVWR + Oxidation (M)
490	413.2700	1236.7882	1236.7091	0.0790	1	8	2.1	1	VPVQPSWLRR
615	436.8000	1307.3782	1307.7449	-0.3667	1	8	2.4	1	EVKILEVHVDK
947	556.2400	1665.6982	1665.8661	-0.1679	0	8	2.6	1	WMHSLQPLDGLITR
952	558.7100	1673.1082	1672.8897	0.2185	2	8	2.2	1	QEKFGTGGAAVPEKVR
1201	932.8700	2795.5882	2795.4350	0.1532	1	8	1.7	1	AFITVLEMTPLVGTETIINYRDGMGR
225	454.2000	906.3854	906.5031	-0.1176	2	8	3	1	IKKCVIM + Oxidation (M)
560	428.8300	1283.4682	1283.7714	-0.3032	0	8	2.3	1	GVPVPKPPGALPR
328	530.6400	1059.2654	1059.5859	-0.3204	2	8	3.1	1	LSSPRGGMKK
1106	708.2700	2121.7882	2122.1323	-0.3442	2	8	1.8	1	KILQASGQPFDDYSPIRFR
247	471.2000	940.3854	940.4978	-0.1123	0	8	2.4	1	VPEVNDLR
1135	747.7800	2240.3182	2240.0276	0.2906	0	8	1.9	1	NQSLPVMMSGFAPVCTTSPK + 2 Oxidation (M)
7	386.6700	771.3254	771.3551	-0.0297	0	8	3.4	1	SEFYAR
662	447.2100	1338.6082	1338.6463	-0.0381	0	8	2.1	1	VNCSEHNTPAAR
608	434.0400	1299.0982	1298.7307	0.3675	1	8	1.1	1	DGRVLGVLEVSR
150	432.2400	862.4654	862.4470	0.0185	0	8	3.2	1	DLDMLIK + Oxidation (M)
758	474.6700	1420.9882	1420.6616	0.3266	1	8	2.5	1	IRDQMAATEQDK + Oxidation (M)
895	532.7400	1595.1982	1594.8719	0.3263	1	8	1.3	1	EKVEVQLPELFHK
1159	774.3600	2320.0582	2320.2501	-0.1919	0	8	1.9	1	TLPLFLNLGEMLYVLDQR + Oxidation (M)
606	433.2300	1296.6682	1296.7513	-0.0832	1	8	2.1	1	IEAENRALILR
830	508.2100	1521.6082	1521.7232	-0.1151	0	8	2.4	1	MDTVGDALEEVLAK + Oxidation (M)
624	439.2600	1314.7582	1314.6134	0.1447	1	8	2.6	1	MLKCPCTYK + Oxidation (M)
546	425.1800	1272.5182	1272.5591	-0.0409	1	8	3	1	TSCPMGSKAYR + Oxidation (M)
609	434.6900	1301.0482	1300.7173	0.3309	1	8	1.9	1	LALQKNVICDK
808	749.2800	1496.5454	1496.7372	-0.1917	1	8	2.4	1	YLGQDYENLRAR
985	575.2300	1722.6682	1722.9489	-0.2807	2	8	2.2	1	TVNAPGPNSKGRSLIGR
630	443.1400	1326.3982	1326.7296	-0.3314	1	8	2.3	1	AYPLADAHLLTKK
526	628.2400	1254.4654	1254.5550	-0.0896	0	8	2.5	1	MEQYANNLEK + Oxidation (M)
40	410.1300	818.2454	818.4385	-0.1931	0	8	3.4	1	IEVTTEK
494	414.2100	1239.6082	1239.7914	-0.1832	2	8	2.4	1	LKQLKAEVLAK
1108	713.2700	2136.7882	2137.0401	-0.2520	2	8	2	1	IEYGAVEDGATMTFFKKSK + Oxidation (M)
625	440.2300	1317.6682	1317.6524	0.0157	1	8	3	1	LRGEDGNITESK
631	443.2100	1326.6082	1326.7507	-0.1425	0	8	2.5	1	VLQNLLTIEER
1082	1026.3700	2050.7254	2051.0040	-0.2786	1	8	1.9	1	GQMLHIPTMENGHKLSSR + Oxidation (M)
9	387.7500	773.4854	773.4283	0.0572	1	8	3.8	1	EGAEEKIK
797	738.3600	1474.7054	1474.7668	-0.0613	0	8	2.4	1	DGSESGLLNLPFVK
1039	629.8000	1886.3782	1885.9972	0.3810	1	8	1	1	TVGVEAWPDGKGVVVVMK + Oxidation (M)
1093	690.2600	2067.7582	2068.0411	-0.2829	2	8	2.1	1	TNWISRDAAQKIYVEMK + Oxidation (M)
595	431.2400	1290.6982	1290.6853	0.0129	1	8	2.8	1	KTLGADDIMLAK + Oxidation (M)
297	517.2600	1032.5054	1032.5637	-0.0583	1	8	2.8	1	AVEAQKLMK + Oxidation (M)
1013	897.8300	1793.6454	1793.8730	-0.2276	1	8	2	1	DLYQQEKAQMGSAGLR
678	673.9000	1345.7854	1345.5894	0.1961	0	8	3.2	1	QTYGDMEVMLK + 2 Oxidation (M)

35	400.9800	799.9454	800.3374	-0.3920	0	8	0.17	1	YSQEMK + Oxidation (M)
562	429.0000	1283.9782	1283.5928	0.3854	1	8	2.2	1	GLSMDRSPYSR + Oxidation (M)
699	681.0400	1360.0654	1359.7544	0.3110	1	8	2.1	1	VGGICTVIQSKAK
703	457.2800	1368.8182	1368.6972	0.1210	1	8	2.7	1	YFVEAGAMAVRR
1214	1025.8700	3074.5882	3074.5793	0.0088	2	8	1.5	1	VQRLQETEMWAQLCPSAKGAILLYNR
136	431.1900	860.3654	860.3988	-0.0333	0	8	3.8	1	ATAAQEDR
219	451.2400	900.4654	900.5644	-0.0989	1	8	3.7	1	IESKLLAK
545	425.1700	1272.4882	1272.5881	-0.0999	0	8	3.1	1	CSLGLHASGSEK
401	575.2300	1148.4454	1148.6805	-0.2350	0	8	2.9	1	LEAIIPTPPAK
487	413.2200	1236.6382	1236.5445	0.0937	0	8	2.3	1	EGMPLEDYQR
856	777.7800	1553.5454	1553.8314	-0.2860	1	8	2.3	1	SPNHVKITDFGLAR
840	769.2600	1536.5054	1536.6959	-0.1905	1	8	2.4	1	GECARQVANMMVR + Oxidation (M)
151	432.7200	863.4254	863.3919	0.0335	0	8	3.3	1	SGAGSAGMAR
935	549.2200	1644.6382	1644.8155	-0.1773	2	8	2.6	1	RCVHRATGDEFVK
203	447.2400	892.4654	892.4436	0.0218	1	8	3.2	1	VKGESAMR + Oxidation (M)
746	472.1900	1413.5482	1413.8126	-0.2644	2	8	3	1	VIAIKVMARDGGGK
755	473.9600	1418.8582	1418.7518	0.1064	0	8	2.5	1	SFQNTVDLVIQR
422	389.2100	1164.6082	1164.4870	0.1212	0	8	2.8	1	WDDVVCESR
573	429.2800	1284.8182	1284.7224	0.0958	1	8	2.6	1	LPGDKGLVLSMR
154	433.2300	864.4454	864.3946	0.0509	0	8	2.7	1	MAASAVCR
738	468.1400	1401.3982	1401.6736	-0.2754	1	8	2.7	1	EIVRDLQDQDK
682	450.0300	1347.0682	1346.6718	0.3964	0	7	1.7	1	ELGSLPQEAPEK
585	431.1200	1290.3382	1290.6390	-0.3009	0	7	2.8	1	NFLMNPQNGLK + Oxidation (M)
826	758.3700	1514.7254	1514.7664	-0.0409	0	7	2.8	1	YAGGNPVCVRPTPK
543	424.0100	1269.0082	1268.6105	0.3977	0	7	2.2	1	SVSVATGLNMMK + 2 Oxidation (M)
784	488.7800	1463.3182	1463.6351	-0.3169	0	7	0.95	1	LGEMWNNTAADK
587	431.1900	1290.5482	1290.5914	-0.0432	1	7	3	1	EMSVYEAYRK + Oxidation (M)
525	627.8000	1253.5854	1253.6186	-0.0332	1	7	2.5	1	TRMAYNNIQK + Oxidation (M)
977	571.2900	1710.8482	1710.8941	-0.0459	1	7	2.5	1	TLTIGSAGKSFSATGWK
358	548.2100	1094.4054	1094.4662	-0.0608	0	7	2.6	1	EMASASSGPSR + Oxidation (M)
176	443.2100	884.4054	884.3732	0.0323	1	7	2.8	1	MGSKSNVM + 2 Oxidation (M)
166	437.2200	872.4254	872.5080	-0.0825	1	7	4.3	1	IRETVQK
792	491.2200	1470.6382	1470.6297	0.0085	0	7	2.7	1	GYISSEQDGMEQK
399	574.2900	1146.5654	1146.6145	-0.0491	1	7	3.2	1	LIKGHYSSSR
1096	691.3000	2070.8782	2070.9602	-0.0820	0	7	2.3	1	VFGGMNEENMTELLSSGLK + Oxidation (M)
460	401.2700	1200.7882	1200.5775	0.2107	2	7	3	1	SYKEKEDFR
751	473.9100	1418.7082	1418.7405	-0.0324	0	7	2.7	1	DYIDISVAVATPR
871	788.3200	1574.6254	1574.9184	-0.2930	2	7	3.1	1	KQIEAVGFPAFIKK
1008	592.1700	1773.4882	1773.8607	-0.3725	0	7	1.1	1	DPEHIYNVAMVETLK + Oxidation (M)
570	429.2000	1284.5782	1284.6132	-0.0350	1	7	2.8	1	ECLKLDQDHK
317	526.2300	1050.4454	1050.4730	-0.0276	0	7	2.8	1	DPNTTFNSR
743	470.7100	1409.1082	1408.8078	0.3004	2	7	1.7	1	EFKAELILYRK
249	472.2400	942.4654	942.5572	-0.0918	0	7	3.4	1	QLTMPILK
454	399.2200	1194.6382	1194.5993	0.0389	1	7	2.6	1	SRIAYSDEVR
1003	589.2100	1764.6082	1764.8815	-0.2733	2	7	2.5	1	KDIESSMVKVELDK + Oxidation (M)
73	415.2400	828.4654	828.4929	-0.0275	2	7	4	1	QREKLR
611	435.1600	1302.4582	1302.8023	-0.3442	1	7	3.3	1	VFLSRLSQILK
753	473.9200	1418.7382	1418.6976	0.0406	1	7	2.7	1	CVSKYLDIHER
616	437.1500	1308.4282	1308.7085	-0.2803	2	7	2.9	1	RKMADLHAVPR + Oxidation (M)
638	445.0400	1332.0982	1331.7231	0.3751	1	7	1.6	1	KQNGMGLSIVAAK + Oxidation (M)
245	470.0800	938.1454	938.3764	-0.2309	0	7	1.8	1	ESVSCSDR
842	514.3500	1540.0282	1539.7174	0.3108	0	7	2.9	1	AGHMVPADQGDMAK
892	532.2400	1593.6982	1593.7311	-0.0329	0	7	2.7	1	DGDFENPVPYSGAVK
204	447.2500	892.4854	892.5494	-0.0640	2	7	3.5	1	RYKSIVK
750	473.2600	1416.7582	1416.6997	0.0584	1	7	3.4	1	VRTATGYSYGYSQK
202	447.2100	892.4054	892.3886	0.0168	0	7	3.5	1	SESGSSPSR
205	447.2800	892.5454	892.4688	0.0767	1	7	3.5	1	MDLSGVKK + Oxidation (M)
340	535.1100	1068.2054	1068.5815	-0.3760	0	7	1.9	1	DKPEKPLDK
210	449.2500	896.4854	896.5695	-0.0840	1	7	2.5	1	LIEGLPKK
68	415.0100	828.0054	828.3838	-0.3784	1	7	0.59	1	GDPRDNR
466	409.1900	1224.5482	1224.6397	-0.0915	1	7	2.8	1	NMAPLPESAPRR + Oxidation (M)
961	564.2300	1689.6682	1689.9526	-0.2844	2	7	2.9	1	ILSPPGPEEAQRKLR
471	411.1500	1230.4282	1230.5888	-0.1606	1	7	3.2	1	LVNGGDRQCGR
713	688.2700	1374.5254	1374.6310	-0.1055	1	7	2.9	1	MSPAAAAADGGERR + Oxidation (M)
1163	788.3200	2361.9382	2362.3235	-0.3853	1	7	2.2	1	MKFLLLSALLFLHSSLAWTR + Oxidation (M)
590	431.2200	1290.6382	1290.5993	0.0389	0	7	3.3	1	FPPDNSAPYGAR
870	524.7000	1571.0782	1570.6893	0.3889	0	7	2.8	1	SGSGMSVISSSADQR + Oxidation (M)
617	437.2200	1308.6382	1308.5768	0.0613	0	7	3	1	TMVGPEDAGNYR

221	452.0700	902.1254	902.5073	-0.3818	1	7	3.7	1	TIELDGKK
69	415.0500	828.0854	828.4705	-0.3851	0	7	2.8	1	NEVGGLIK
554	427.2300	1278.6682	1278.7217	-0.0535	2	7	3.2	1	KMTISKSEVLK + Oxidation (M)
556	427.3500	1279.0282	1278.6503	0.3779	1	7	2.2	1	DVRSCLFLGLR
996	581.7000	1742.0782	1741.8862	0.1920	0	7	3.1	1	VLGFCFLNLPNFSK
535	421.7300	1262.1682	1262.5626	-0.3945	0	7	0.39	1	EGLAEDSETQ GK
1216	1055.1700	3162.4882	3162.4890	-0.0008	1	7	1.8	1	LYQIPQTDMAECAGKLFDLVDGFAESTK + Oxidation (M)
571	429.2300	1284.6682	1284.6786	-0.0104	1	7	3	1	AKPEVQDKQSR
893	532.2500	1593.7282	1593.8362	-0.1080	2	7	2.9	1	QYKQSLAIESDGKK
160	435.1600	868.3054	868.3861	-0.0807	0	7	2.6	1	AMFNGGTR + Oxidation (M)
1057	666.3200	1995.9382	1995.9762	-0.0381	1	7	2.7	1	DAEAPPAQNSQLTWKQGR
1177	821.3900	2461.1482	2461.0737	0.0744	0	7	2.3	1	TLSQSSSGTLPSGPPGHTMEVSC + Oxidation (M)
232	459.1600	916.3054	916.4324	-0.1270	0	7	4.4	1	MPEDQVAK
924	819.3000	1636.5854	1636.7693	-0.1838	0	7	3	1	LDGDFELGSISNQSR
1128	738.2900	2211.8482	2212.0324	-0.1842	1	7	2.1	1	LNSKSFNDNIENPPFEFVS
1150	757.2400	2268.6982	2268.3313	0.3669	1	7	0.9	1	VIIMILNGEKLPGLLMTIIR + 2 Oxidation (M)
505	415.2500	1242.7282	1242.7482	-0.0200	2	7	3.3	1	KLVGPKVLM ^{MSR} + Oxidation (M)
1116	727.1900	2178.5482	2178.1585	0.3896	1	7	0.91	1	TYFQGNL ^{PARAAYQVAALPK}
1005	589.7800	1766.3182	1766.7087	-0.3906	0	7	1	1	DAEDAMDAMD ^{GAVLDGR} + Oxidation (M)
213	449.3000	896.5854	896.5192	0.0663	0	7	2.6	1	QLKPQQR
1046	644.3100	1929.9082	1930.0119	-0.1038	2	7	3	1	NLD ^{TL} SN ^{DKGRLQSELK}
228	457.7000	913.3854	913.4617	-0.0763	1	7	3.4	1	GAREQPEK
879	527.2400	1578.6982	1578.7889	-0.0908	1	7	3.2	1	KEDDSL ^{TIFGVAER}
404	577.1700	1152.3254	1152.5928	-0.2673	1	7	3.2	1	NVDVEFFKR
369	551.7700	1101.5254	1101.6328	-0.1074	1	7	3.7	1	LIGKCSGVLR
564	429.1100	1284.3082	1284.6206	-0.3124	0	7	2	1	LTPTMMLYSGR + Oxidation (M)
337	533.8200	1065.6254	1065.5342	0.0912	1	7	3.1	1	VKDEFTA ^{EAK}
1114	723.3200	2166.9382	2167.0698	-0.1317	2	7	2.6	1	GPSSPEPDFSVFRDFISRK
236	461.1900	920.3654	920.4603	-0.0949	0	7	4.1	1	LGQFEEAK
916	541.5700	1621.6882	1621.7947	-0.1066	0	7	2.8	1	ADALQAGASVFESSAAK
115	428.8800	855.7454	855.5290	0.2164	2	7	3.3	1	ISQPKKR
489	413.2600	1236.7582	1236.6132	0.1450	1	7	2.8	1	RMTLTDSIER + Oxidation (M)
506	415.2600	1242.7582	1242.6792	0.0789	2	7	3.4	1	EQASAKAGRGIR
511	415.9400	1244.7982	1244.7241	0.0741	1	7	4	1	LPLAGQYSLRK
809	751.2600	1500.5054	1500.6216	-0.1161	0	7	3.3	1	EFVSSDESSSGENK
1056	666.2700	1995.7882	1996.0378	-0.2496	1	7	2.8	1	KLQDLLSGVNYSTAFGR
29	399.1600	796.3054	796.4443	-0.1388	0	7	2.7	1	HIEVTAK
313	523.7900	1045.5654	1045.6396	-0.0742	2	7	4.1	1	LRDKFVLR
779	486.1800	1455.5182	1455.6889	-0.1707	1	7	3.2	1	RVAFSSASMSGGAGR + Oxidation (M)
661	447.2100	1338.6082	1338.7408	-0.1326	1	7	2.7	1	YGTQRVISDFIR
731	697.2600	1392.5054	1392.6779	-0.1725	2	7	3.6	1	RKSTQAGDDL ^{MR} + Oxidation (M)
75	415.2600	828.5054	828.4705	0.0350	0	7	4.6	1	AAQEIGIK
181	445.0800	888.1454	888.5029	-0.3574	1	7	4.2	1	KQSQSI ^{AK}
1203	933.8300	2798.4682	2798.3731	0.0951	0	7	2.2	1	VEAFLGAELCQEAHNPIMS ^{VLGQAAK} + Oxidation (M)
184	445.1300	888.2454	888.4970	-0.2516	1	7	4.4	1	KVPFWGR
1007	590.2700	1767.7882	1767.9124	-0.1242	2	7	3	1	SNIAFMGTLVRCGKAK + Oxidation (M)
1067	673.9000	2018.6782	2019.0095	-0.3313	0	7	2.1	1	AGGSASAMLQPLLDNQVGFK + Oxidation (M)
1	385.0200	768.0254	768.4242	-0.3988	0	7	1.6	1	TAHSVVR
391	569.2500	1136.4854	1136.6050	-0.1196	2	7	3.4	1	QKATHDGPKR
557	428.0100	1281.0082	1280.6585	0.3497	2	7	2.3	1	NKGPEQRAPER
283	508.2100	1014.4054	1014.5710	-0.1655	0	7	4.6	1	VAVGTLQEAK
1068	1010.3500	2018.6854	2019.0320	-0.3465	2	7	2.1	1	ESGMRRPSPFKSPLTSSR
843	772.3200	1542.6254	1542.8194	-0.1940	2	7	3.3	1	KLQDVFEFRYAK
527	419.1900	1254.5482	1254.6655	-0.1174	0	7	3.3	1	GP ^{PP} PGMRPPRP
574	429.2800	1284.8182	1284.7513	0.0668	2	7	3.2	1	AGLNSLEAVKRK
863	521.8100	1562.4082	1562.7511	-0.3429	0	7	1.9	1	GYLDLMGASQHS ^{LR} + Oxidation (M)
901	535.1100	1602.3082	1601.9365	0.3716	1	7	0.51	1	ALSIHVSIPPSGLRR
355	545.7200	1089.4254	1089.5012	-0.0758	0	7	4	1	SMVEALAAPSD
24	397.1700	792.3254	792.3661	-0.0406	1	7	3.8	1	G ^{NRSMGR} + Oxidation (M)
403	385.0200	1152.0382	1151.7026	0.3356	1	7	0.83	1	GPAADVIRILK
1131	739.3400	2214.9982	2215.0071	-0.0089	1	7	3	1	SYS ^{DDMMNLMRL} EEQLSPR + Oxidation (M)
368	550.7700	1099.5254	1099.5042	0.0213	0	7	4.2	1	SFSQMMLEK
476	411.2100	1230.6082	1230.6615	-0.0533	2	7	3.7	1	M ^{GLEALRGRR} + Oxidation (M)
551	427.1300	1278.3682	1278.6819	-0.3138	0	7	3.3	1	L ^{SLDVEIATYR}
1001	587.2400	1758.6982	1758.8974	-0.1992	1	7	3.2	1	YAKLHP ^{EMS} NLDLTK
627	442.4700	1324.3882	1324.6479	-0.2597	1	7	3	1	GRVSILDS ^{MMGK} + 2 Oxidation (M)
885	529.2100	1584.6082	1584.7202	-0.1120	2	7	3	1	VDGAKEYRNGDS ^{SMK} + Oxidation (M)
1102	702.3100	2103.9082	2104.0544	-0.1462	2	6	2.8	1	LEKQLAEEKA ^{MSDAMV} PK + Oxidation (M)

1200	897.8300	2690.4682	2690.2972	0.1710	0	6	2.6	1	SDMYSLGVILLELPQPPGTEMER + Oxidation (M)
832	509.2300	1524.6682	1524.8334	-0.1652	1	6	3.5	1	GQIGAPMPGKVIDVK + Oxidation (M)
710	687.3600	1372.7054	1372.7973	-0.0918	2	6	4	1	KVLMTLAAQSRR
1117	727.3100	2178.9082	2179.0853	-0.1771	1	6	3	1	AMVQLIRYMHTYCLPQR
459	401.2300	1200.6682	1200.5623	0.1059	0	6	3.7	1	VSQGVEDGPDAK
852	518.2500	1551.7282	1551.7576	-0.0294	2	6	3.7	1	FKKIRASNTGAGDR
1207	1437.0300	2872.0454	2872.3848	-0.3393	2	6	1.5	1	EVLKFKGQMLGSNMTEFHSQISKSR + 2 Oxidation (M)
1154	760.2600	2277.7582	2278.1173	-0.3591	1	6	1.8	1	FAKGIASGMAYLHSMCIHR + Oxidation (M)
833	509.2700	1524.7882	1524.9392	-0.1510	1	6	3.6	1	LHVVEAPVKLPVVK
170	439.2600	876.5054	876.4777	0.0277	2	6	4.5	1	SRGKSQSK
84	417.1500	832.2854	832.4515	-0.1660	2	6	4.3	1	EASRKSR
76	415.3400	828.6654	828.4640	0.2015	1	6	5	1	GPMKLGAR
112	428.2400	854.4654	854.5953	-0.1298	1	6	2.8	1	ALLKILGK
324	528.2200	1054.4254	1054.5883	-0.1629	1	6	3.8	1	RPEVDGVVK
387	565.7500	1129.4854	1129.6091	-0.1237	2	6	4	1	EKVKNVEER
675	673.5300	1345.0454	1344.7765	0.2689	1	6	3.2	1	AVSPPPKAEKPPK
957	563.2400	1686.6982	1686.8940	-0.1959	0	6	3.1	1	QVLLSEPQEAALYR
884	528.7600	1583.2582	1582.8930	0.3652	1	6	0.89	1	VIKTIIEEVTPEGR
1178	821.8000	2462.3782	2462.1715	0.2066	2	6	2.5	1	HMKALLEQMPGSGSSMAEAAKSR + Oxidation (M)
1194	868.8100	2603.4082	2603.1890	0.2192	2	6	2.4	1	TEGYSGADITNICRDASLMAMRR + Oxidation (M)
1054	663.5300	1987.5682	1987.9431	-0.3749	1	6	0.93	1	GFMVTRSYTVGVTTMMHR + Oxidation (M)
109	427.2600	852.5054	852.3833	0.1221	1	6	3.2	1	MGSKSNVM
120	429.1200	856.2254	856.4767	-0.2512	0	6	4.2	1	VQTVPSAR
772	723.3200	1444.6254	1444.7570	-0.1316	0	6	4	1	IYEMMGHVKPIK
774	484.6900	1451.0482	1450.7272	0.3210	2	6	3.3	1	LNLEKMMEQKR + 2 Oxidation (M)
392	569.7000	1137.3854	1137.4972	-0.1117	1	6	3.5	1	RIAEEEEAS + Oxidation (M)
768	481.2000	1440.5782	1440.8300	-0.2518	2	6	3.5	1	RLQEKVEVLEAK
827	759.2800	1516.5454	1516.7595	-0.2141	1	6	3.4	1	YKVICQSSELYK
613	435.7800	1304.3182	1304.6507	-0.3325	1	6	2.7	1	ISMVSPSPQR + Oxidation (M)
927	548.1700	1641.4882	1641.7564	-0.2683	0	6	2.7	1	GPYMMSPAMIALSNK + 2 Oxidation (M)
791	491.2100	1470.6082	1470.7619	-0.1537	1	6	3.5	1	ELQFYRNNIFK
211	449.2600	896.5054	896.5192	-0.0137	1	6	3.1	1	AEPVRLGR
854	518.7800	1553.3182	1553.6571	-0.3389	0	6	0.66	1	MGQMAMGGAMGINNR + Oxidation (M)
1038	629.6100	1885.8082	1885.8662	-0.0581	1	6	3.4	1	GSPASPRCGSPTPMEIDK
329	530.7100	1059.4054	1059.4742	-0.0688	1	6	4.8	1	FFRSMCGR
423	583.8200	1165.6254	1165.5584	0.0671	1	6	3.6	1	QCLEMTTKR
302	518.7800	1035.5454	1035.4655	0.0799	0	6	4.4	1	SSGTPTMNGGK
756	474.2300	1419.6682	1419.6338	0.0343	1	6	3.7	1	AATGGGAEDSRSGR
735	467.1700	1398.4882	1398.7116	-0.2234	2	6	3.6	1	EHEGRLRYPSR
972	569.7000	1706.0782	1705.8643	0.2138	2	6	3.3	1	AVEEKFRALCQPMK
271	489.2200	976.4254	976.4946	-0.0692	1	6	5	1	MRCELIR
449	399.1500	1194.4282	1194.5373	-0.1091	0	6	3.6	1	SCMNQSVIEK
375	561.2700	1120.5254	1120.5620	-0.0366	0	6	4.2	1	CLEGMILAAK + Oxidation (M)
623	658.3800	1314.7454	1314.7143	0.0311	1	6	4	1	KGDVVALLSEER
1134	747.3100	2238.9082	2239.2212	-0.3130	1	6	3.3	1	QISKNLQELDYIGHIVEK
124	429.2300	856.4454	856.5130	-0.0676	1	6	4.5	1	IADLKAAR
1199	892.3500	2674.0282	2674.3813	-0.3531	2	6	2.5	1	KPSDEEFVAVRKSTAALQILK
178	444.0800	886.1454	886.5124	-0.3669	1	6	5.1	1	DVVKEVAK
732	465.8700	1394.5882	1394.7088	-0.1207	0	6	3.8	1	AGPKPSSLSMAHGR
891	531.8300	1592.4682	1592.6849	-0.2167	1	6	3.1	1	GTGTEECGRINEDR
568	429.1500	1284.4282	1284.6674	-0.2392	1	6	3.9	1	KKPLPDTSEDR
715	688.2900	1374.5654	1374.7619	-0.1965	1	6	3.8	1	KAPHPAITSAGTPK
781	730.5000	1458.9854	1458.6297	0.3558	0	6	4	1	FMGTEVSAESTER + Oxidation (M)
1193	868.3400	2601.9982	2602.3286	-0.3304	1	6	2.5	1	RHHLTDSLNLITSDHGMTTVNK
108	427.2300	852.4454	852.5069	-0.0614	1	6	3.5	1	IKSPSPPK
705	457.7000	1370.0782	1369.6846	0.3936	0	6	2.7	1	LLHMQMVSGPNK + Oxidation (M)
1071	675.0800	2022.2182	2021.9442	0.2739	1	6	3.5	1	ETQEPESFSAWSERLAR
811	751.7500	1501.4854	1501.8212	-0.3358	2	6	3.8	1	DRLSSNGKQVGTLK
910	536.7300	1607.1682	1606.7872	0.3810	2	6	3.1	1	ELISEKMEETKDR
967	565.7500	1694.2282	1693.8536	0.3746	1	6	2.5	1	SAHEATRYQLSLR
1052	656.8000	1967.3782	1967.0186	0.3596	1	6	1.9	1	GELYIGGLSKNMFNLPK
53	412.2100	822.4054	822.3946	0.0109	0	6	3.8	1	MLPFGDK + Oxidation (M)
651	446.2000	1335.5782	1335.6856	-0.1075	0	6	4.1	1	LTNPLISMYER
420	389.0900	1164.2482	1164.5662	-0.3181	0	6	3.3	1	ELEEEITFR
536	421.8700	1262.5882	1262.6904	-0.1022	2	6	4.4	1	VSKDMEAKVIK + Oxidation (M)
1044	638.1800	1911.5182	1911.8641	-0.3460	0	6	0.97	1	VEFVHMLNATMCATTR + 2 Oxidation (M)
188	445.2900	888.5654	888.4202	0.1453	1	6	5.5	1	RWNEER
1187	841.8600	2522.5582	2522.5307	0.0275	0	6	2.6	1	LVLGLIMCVSLAGNAILSLVLK

70	415.0500	828.0854	828.4705	-0.3850	0	6	3.8	1	AAQEIGIK
752	473.9100	1418.7082	1418.7915	-0.0833	2	6	3.9	1	ITKEAGSVSLRMK
851	518.2400	1551.6982	1551.7715	-0.0733	1	6	4.4	1	LAAAFVSRMEQDK + Oxidation (M)
339	534.8200	1067.6254	1067.4917	0.1337	1	6	3.7	1	DSKISSMER + Oxidation (M)
47	411.2100	820.4054	820.3571	0.0483	0	6	4.9	1	MEAMAPR + Oxidation (M)
807	748.3700	1494.7254	1494.7790	-0.0536	0	6	3.8	1	TYSLGSALRPSTSR
995	581.2500	1740.7282	1740.8240	-0.0958	0	6	3.5	1	EGLLPMSPATPPGSDEK + Oxidation (M)
1170	802.2600	2403.7582	2404.0738	-0.3156	2	6	1.2	1	ESQAQRDEDAVLASGDERDEGK
316	526.2100	1050.4054	1050.5896	-0.1841	1	6	4.2	1	MVLIKEFR + Oxidation (M)
729	464.7300	1391.1682	1390.7932	0.3749	2	6	0.72	1	KEGLSFLGGLRSK
235	461.0800	920.1454	920.4716	-0.3261	0	6	5.1	1	VLFNDTGR
1158	772.3200	2313.9382	2314.1845	-0.2464	1	6	3.6	1	QKVIFGSGTVTFSLSFDEPQK
978	573.1800	1716.5182	1716.8656	-0.3474	2	6	3.3	1	AVAKGDFHQASTSSRR
199	447.2100	892.4054	892.4290	-0.0236	0	6	5.1	1	EATFSNPK
385	565.2400	1128.4654	1128.6251	-0.1597	1	6	5.3	1	LDIAGRDIR
1132	743.3400	2226.9982	2227.1960	-0.1979	1	6	3.8	1	TLIKSFDSASQVPNAAAAAIPR
515	417.1500	1248.4282	1248.6938	-0.2657	1	6	4.7	1	ASLPQHAGKAAAK
534	421.2200	1260.6382	1260.7190	-0.0809	1	6	5	1	LGDRVLQVSFK
905	535.2200	1602.6382	1602.7382	-0.1000	0	6	4.5	1	SSSMVLGSGFGTDLMR + Oxidation (M)
692	679.2200	1356.4254	1356.8089	-0.3834	2	6	4.6	1	RAATTVLQELKK
1087	688.2700	2061.7882	2061.9499	-0.1618	1	6	3.5	1	NEEEYMVNTFIVMQRK + 2 Oxidation (M)
988	577.2000	1728.5782	1728.7777	-0.1996	0	5	4.4	1	ETYGSGTQYHMLAK + Oxidation (M)
789	490.3200	1467.9382	1467.8231	0.1150	2	5	4	1	LTDKQLKHLNMK
775	727.1900	1452.3654	1452.7469	-0.3814	1	5	3	1	YCKVLVGVGMADK
695	453.3000	1356.8782	1356.7911	0.0871	2	5	4.7	1	SLLPKLSCGVKR
707	686.3100	1370.6054	1370.6356	-0.0302	1	5	4.3	1	SKLCMSIMNSK + Oxidation (M)
26	397.3800	792.7454	792.4381	0.3073	0	5	4.4	1	LIEGSFK
338	534.7000	1067.3854	1067.5400	-0.1545	0	5	3.9	1	EYGAFVVQR
1175	818.6200	2452.8382	2453.0859	-0.2477	1	5	1.9	1	FASCIFYGPFRRDAAQSSPAFGDR
395	571.2900	1140.5654	1140.6139	-0.0484	0	5	4.3	1	VISAEELPGR
1146	755.7700	2264.2882	2264.0920	0.1961	1	5	3.2	1	GRDPTSDSYSEDAELLQIR
1037	629.3100	1884.9082	1885.0269	-0.1187	2	5	4.2	1	KIRLDTETEGVPSTAIR
72	415.1700	828.3254	828.4705	-0.1450	0	5	6.3	1	AAQEIGIK
438	592.1700	1182.3254	1182.6067	-0.2812	0	5	3.9	1	AYGILMATTSR
1055	665.8200	1994.4382	1994.0836	0.3545	1	5	1	1	ELKPARVVGTSGLALYEK
1070	674.7500	2021.2282	2020.8555	0.3727	0	5	3.8	1	FMEPLSMFCAMPPEYR + Oxidation (M)
931	822.2700	1642.5254	1642.7443	-0.2189	1	5	3.9	1	GGFGFVSACQMKATGK + Oxidation (M)
960	564.1600	1689.4582	1689.8131	-0.3550	0	5	2.1	1	MPVVTDAESETGIPK + Oxidation (M)
1010	593.5700	1777.6882	1777.8206	-0.1324	1	5	4.5	1	QHVGSAAEFMEAWRK + Oxidation (M)
14	391.2000	780.3854	780.3510	0.0345	0	5	4.8	1	LMDQMK + Oxidation (M)
941	551.7700	1652.2882	1651.9695	0.3187	1	5	1.1	1	QVIPIIGKCLDGIVK
814	503.5500	1507.6282	1507.5659	0.0623	0	5	4.3	1	DASDNSDGGQNDENK
135	431.1200	860.2254	860.5014	-0.2760	2	5	6.5	1	RKMALAR + Oxidation (M)
829	760.2600	1518.5054	1518.8268	-0.3214	2	5	4.5	1	YKPFKGIKYMTK + Oxidation (M)
41	411.1100	820.2054	820.4113	-0.2058	0	5	5.3	1	CTNLVSK
105	427.1300	852.2454	852.3721	-0.1267	0	5	4	1	IEADMMK + Oxidation (M)
881	790.7700	1579.5254	1579.7916	-0.2661	0	5	4.3	1	VLYSTAMESIQGPQK
934	549.1500	1644.4282	1644.7164	-0.2882	0	5	1.9	1	GEMMTYFLNGGPPLS + 2 Oxidation (M)
131	430.2800	858.5454	858.4308	0.1147	0	5	7.1	1	VANQSQGR
642	445.1300	1332.3682	1332.6157	-0.2475	1	5	4.7	1	QVESKDNEGEAK
992	867.8300	1733.6454	1733.7930	-0.1476	1	5	4	1	STLSTYLEDCKFDR
1097	693.7700	2078.2882	2077.9860	0.3022	2	5	3.8	1	GMCPFRHISGEKTVVCK + Oxidation (M)
1075	679.4300	2035.2682	2034.8688	0.3994	0	5	3.8	1	MSTNTDLSLSSYDEGQGSK + Oxidation (M)
601	432.2400	1293.6982	1293.7041	-0.0059	1	5	5.2	1	GPPLLEEQALKR
206	447.3300	892.6454	892.4225	0.2229	0	5	5.6	1	KPGFCER
146	431.2600	860.5054	860.4828	0.0226	1	5	6.6	1	ASRLGTTR
183	445.0800	888.1454	888.4777	-0.3323	2	5	6	1	QGRSKEGK
850	518.2100	1551.6082	1551.8330	-0.2248	2	5	4.9	1	DYKTMALAKAIEK
708	458.2300	1371.6682	1371.5249	0.1433	0	5	4.8	1	DQEMFSDGEGNK + Oxidation (M)
876	526.7900	1577.3482	1577.7296	-0.3815	1	5	1	1	HFNMAKSFPNEEK
1110	721.1100	2160.3082	2160.1150	0.1932	2	5	3.6	1	SVMAKWFTIPDHSRQLTK + Oxidation (M)
1145	752.3200	2253.9382	2254.0576	-0.1194	2	5	3.2	1	DDEENYLDLFSHKNMKLK + Oxidation (M)
58	413.1900	824.3654	824.3851	-0.0196	0	5	4	1	MTGVFDR
400	574.7100	1147.4054	1147.5694	-0.1639	2	5	5.3	1	SPSRRESSR
237	464.7300	927.4454	927.4385	0.0070	0	5	5.5	1	IHAWDMR
331	531.8300	1061.6454	1061.5829	0.0626	2	5	6	1	EAGISKSSRK
722	690.3300	1378.6454	1378.6762	-0.0308	1	5	4.9	1	MSSTKLEDSLPR + Oxidation (M)
1073	675.8700	2024.5882	2024.9010	-0.3129	1	5	1.5	1	QGEESGDMAWEEVRGVFR + Oxidation (M)

1179	822.2700	2463.7882	2463.4325	0.3556	1	5	1.2	1	GFGRALAPQLAGLLSPGSVLLLSAR
327	530.1900	1058.3654	1058.5244	-0.1589	0	5	6.3	1	EELPSSELR
583	431.0600	1290.1582	1290.5510	-0.3928	0	5	0.33	1	MDTASSPPNAER + Oxidation (M)
1191	860.8200	2579.4382	2579.1342	0.3039	0	5	3.1	1	MPQLSGGGGGDPELCATDEMIPFK + Oxidation (M)
483	413.1400	1236.3982	1236.5445	-0.1463	0	5	4.2	1	EGMPLEDYQR
865	523.2500	1566.7282	1566.9392	-0.2110	2	5	4.7	1	ALLCLTLKNPIRR
139	431.2200	860.4254	860.5014	-0.0760	2	5	6.9	1	RKMALAR + Oxidation (M)
193	447.0300	892.0454	892.3960	-0.3506	0	5	2.4	1	SPVATATSC
612	435.7600	1304.2582	1304.6282	-0.3700	1	5	1.9	1	MKDATEGVDPVK + Oxidation (M)
962	564.2800	1689.8182	1689.9526	-0.1344	2	5	4.7	1	ILSPPGPEEAQRKLR
636	666.3200	1330.6254	1330.7544	-0.1289	1	5	5	1	AGVIFPVGRMLR + Oxidation (M)
137	431.2000	860.3854	860.4716	-0.0861	2	5	7	1	VSDRKEK
248	472.1900	942.3654	942.4447	-0.0792	0	5	5.8	1	ETDFYLR
427	391.2000	1170.5782	1170.7124	-0.1343	2	5	5.7	1	AKPKDPFLKK
1141	751.2600	2250.7582	2251.1458	-0.3876	0	5	2.2	1	LVEVNGVNVEGETHHQVVR
1099	697.2600	2088.7582	2089.0300	-0.2719	2	5	3.6	1	ATDNGLGKPDFAEASRERR
572	429.2700	1284.7882	1284.7190	0.0692	2	5	4.8	1	KHEAAKEVFVK
1136	747.8300	2240.4682	2240.1814	0.2868	2	5	2.9	1	DGPNALRPPRGTPPEYVKFAR
163	436.7400	871.4654	871.4586	0.0069	0	5	6.4	1	MIHTNLK + Oxidation (M)
381	564.2300	1126.4454	1126.4778	-0.0324	0	5	5.3	1	DEGYEAAASSK
541	634.7100	1267.4054	1267.6482	-0.2427	1	5	5.5	1	MKEIAEAYLGK + Oxidation (M)
1192	867.8300	2600.4682	2600.0982	0.3700	1	5	3.6	1	DMHGDSEYNIMFGPDICPGTKK + 2 Oxidation (M)
230	458.2300	914.4454	914.4821	-0.0367	0	5	6.3	1	QLVPSTDR
463	606.2100	1210.4054	1210.7397	-0.3343	2	5	4.2	1	GGSKGIPLKNIK
130	430.1700	858.3254	858.5287	-0.2032	2	5	7.8	1	GLSKAGAKK
251	473.2600	944.5054	944.5291	-0.0236	1	5	6.5	1	QSSKIPSAK
1153	759.9800	2276.9182	2277.1529	-0.2347	1	5	3.4	1	HTTFFSVSDILSPLEESYKK
512	623.7200	1245.4254	1245.6605	-0.2350	0	5	5.9	1	VTSAAFPSPIEK
65	414.2100	826.4054	826.5388	-0.1334	1	5	5.1	1	LNKAILR
113	428.7400	855.4654	855.4926	-0.0272	0	5	5.4	1	GNLANVIR
272	490.2000	978.3854	978.6087	-0.2232	2	5	5.9	1	RALGLHGKK
323	527.2700	1052.5254	1052.4895	0.0359	1	5	5.2	1	MSGRLWCK + Oxidation (M)
350	538.2000	1074.3854	1074.5305	-0.1451	0	5	6.2	1	LEGSSQEVAR
1215	1026.3700	3076.0882	3076.3833	-0.2951	0	5	1.4	1	TPHDTDGFWIESQTDGSLIGPSTQTACR
344	535.6800	1069.3454	1069.5556	-0.2102	0	5	5.8	1	GYLAYTGLGR
644	445.1600	1332.4582	1332.6521	-0.1939	1	5	5.5	1	VAAESVDAKNDSK
322	527.2400	1052.4654	1052.4676	-0.0021	0	5	5.2	1	YSFQTHDR
93	421.2200	840.4254	840.4929	-0.0675	1	5	4.3	1	APAASRLR
693	453.1800	1356.5182	1356.7224	-0.2042	0	5	5.5	1	FPLVPALDGCIR
1041	634.3500	1900.0282	1900.1332	-0.1050	1	5	4.5	1	ISPLFVVRVLVAAMTIR + Oxidation (M)
258	474.6700	947.3254	947.4977	-0.1723	0	5	6.4	1	YFHIVNR
1182	831.8600	2492.5582	2492.2560	0.3022	2	5	2.8	1	YSAGLDLLSRYEDTWAALHRR
929	548.2100	1641.6082	1641.8878	-0.2797	2	5	5.1	1	YLDFFFAVKNEKR
439	395.2200	1182.6382	1182.7196	-0.0815	2	5	4.8	1	LNAKLAELRR
524	627.2800	1252.5454	1252.7438	-0.1983	2	5	4.8	1	KPSMLKKHIR + Oxidation (M)
576	429.9900	1286.9482	1286.6731	0.2751	2	5	5	1	NAFRKNPTDPK
725	461.1900	1380.5482	1380.7249	-0.1767	2	5	4.9	1	KTSEEEYVIRK
441	593.2500	1184.4854	1184.6764	-0.1910	2	5	5.9	1	EEKPKKEVAK
122	429.1600	856.3054	856.4767	-0.1712	0	5	6.1	1	VQTVPSAR
733	698.7700	1395.5254	1395.6486	-0.1232	1	5	5.1	1	GMSSGDMKEVISR
955	841.8600	1681.7054	1681.8783	-0.1728	2	5	5	1	EMKLLDMYKSAPK + Oxidation (M)
634	665.8200	1329.6254	1329.7802	-0.1547	2	5	5.9	1	AMAILLREAKAK + Oxidation (M)
714	688.2700	1374.5254	1374.7143	-0.1889	0	5	5.2	1	GIIIFANEDDIR
549	426.1800	1275.5182	1275.6903	-0.1722	2	5	5.5	1	MSALRLAACKR
1167	797.0700	2388.1882	2388.2260	-0.0378	1	5	3.7	1	DLIEMSSNPAVLDDNFLRWR
764	713.2700	1424.5254	1424.7160	-0.1906	1	5	5.7	1	KSDAHWITPNR
252	473.9100	945.8054	945.5284	0.2771	0	5	5.8	1	IYHLSVSK
709	458.2400	1371.6982	1371.6817	0.0165	0	5	5.6	1	AMSTGGGHLDDLK + Oxidation (M)
224	454.1900	906.3654	906.5287	-0.1632	1	5	6.8	1	SKALGYLR
620	438.7700	1313.2882	1313.6624	-0.3742	1	5	2.9	1	YCPMARYILK
933	548.7700	1643.2882	1643.0610	0.2272	2	4	1.6	1	LLSHIKNVPLILKR
1165	790.7700	2369.2882	2369.1759	0.1123	2	4	4.3	1	GNMGKILPEYLSNWTMEVK + 2 Oxidation (M)
253	473.9100	945.8054	945.4920	0.3135	0	4	5.8	1	GTWSTGLPK
593	431.2400	1290.6982	1290.6350	0.0631	0	4	6	1	SQQSMAVGSLGAR
834	764.3100	1526.6054	1526.8093	-0.2038	1	4	5.2	1	VSKEQDHFLISPK
921	545.7200	1634.1382	1633.8729	0.2653	0	4	4.1	1	PQNVVLPGPAPWGFR
6	386.2300	770.4454	770.4109	0.0346	1	4	6	1	HKDIMK
1168	800.4000	2398.1782	2398.0873	0.0909	1	4	4.1	1	CPPSARSSPHSPWSAASSWTSR

702	457.1400	1368.3982	1368.7725	-0.3743	0	4	5.1	1	ALQGASQIIAEIR
822	504.8500	1511.5282	1511.8494	-0.3212	0	4	5.4	1	RPQSMLTSAPALLK
1157	769.2600	2304.7582	2305.1161	-0.3579	2	4	2.3	1	GSLKDVLRNSDHEMDWIFK + Oxidation (M)
171	440.2300	878.4454	878.3730	0.0725	0	4	6.4	1	GADTSSADR
936	549.5800	1645.7182	1645.7624	-0.0442	0	4	5.7	1	FITSNGGDFSDPVYK
191	446.2000	890.3854	890.4345	-0.0491	1	4	7.5	1	GDDEKLSK
544	425.1000	1272.2782	1272.6575	-0.3793	2	4	3.9	1	LKEFHDGGRSK
773	724.3100	1446.6054	1446.7990	-0.1935	2	4	6.2	1	HRARAHSIQIMK
769	721.3100	1440.6054	1440.7500	-0.1446	0	4	5.4	1	LGFSEEGSLYVLK
92	421.1500	840.2854	840.4276	-0.1421	0	4	4.7	1	VMEGLHR
268	487.7100	973.4054	973.5556	-0.1502	1	4	7.3	1	VEASATLKR
971	569.2500	1704.7282	1704.7699	-0.0417	2	4	5.1	1	SMSTDGLMKFVDSKSG + Oxidation (M)
376	562.7700	1123.5254	1123.6363	-0.1108	1	4	5.3	1	RPAGVRGHFK
1152	759.2800	2274.8182	2275.1783	-0.3602	1	4	4.3	1	LGAVVHVVFVDCSNRAEIIYK
159	435.1000	868.1854	868.5494	-0.3640	2	4	4.4	1	IDLPRKK
605	433.2300	1296.6682	1296.7224	-0.0542	1	4	4.8	1	KAIATMETIAHGK + Oxidation (M)
1115	724.3100	2169.9082	2170.0439	-0.1357	0	4	4.8	1	LAFGESLMTHAMTFTAVSEK
200	447.2100	892.4054	892.5130	-0.1076	1	4	6.9	1	LYSLGKGR
134	431.0700	860.1254	860.3521	-0.2266	0	4	7.8	1	SYTMMGR + Oxidation (M)
296	517.1200	1032.2254	1032.5716	-0.3461	1	4	6.2	1	KLEELHHK
913	538.2000	1611.5782	1611.8766	-0.2985	2	4	5.6	1	IPESLSKRCPVQAK
102	425.6200	849.2254	849.4266	-0.2011	0	4	6.6	1	QVLSMEK + Oxidation (M)
803	747.7800	1493.5454	1493.7699	-0.2244	2	4	5.5	1	GRYGIRQSTNSGAK
848	517.1200	1548.3382	1548.7355	-0.3973	0	4	1.5	1	LQNGSSSGWPIIMTR + Oxidation (M)
44	411.1600	820.3054	820.5170	-0.2116	2	4	6.8	1	ALKKAYK
71	415.1200	828.2254	828.4341	-0.2086	1	4	8.2	1	APEDKAAK
610	435.1000	1302.2782	1302.5616	-0.2834	0	4	3.6	1	DVTTSDFFDK
897	533.8200	1598.4382	1598.7181	-0.2799	0	4	3.2	1	SECFALMNVSGNVR + Oxidation (M)
633	444.0800	1329.2182	1329.6023	-0.3841	1	4	1.2	1	YERQEFMAEK
904	535.2200	1602.6382	1602.7460	-0.1079	0	4	6.1	1	IHDGEADIMINFGR + Oxidation (M)
1147	755.7800	2264.3182	2264.0703	0.2479	2	4	4.3	1	LPSSSSEMGSDGSPLETRK + Oxidation (M)
406	385.1800	1152.5182	1152.5663	-0.0481	0	4	6.1	1	DVTAQLESYK
118	429.1100	856.2054	856.3861	-0.1807	0	4	6.7	1	DVEAHMR
1211	1009.8500	3026.5282	3026.4920	0.0362	0	4	3.7	1	IHILPSMNPDGYEVAAQGPNTSGYLVGR
1113	722.2400	2163.6982	2164.0041	-0.3059	2	4	2.5	1	AGTHDPKCKNQSLEFSAMK + Oxidation (M)
408	385.1800	1152.5182	1152.6655	-0.1473	0	4	6.2	1	NHYIPLVGIK
388	565.7700	1129.5254	1129.5979	-0.0724	1	4	6.8	1	GPSSVEDIKAK
659	447.2100	1338.6082	1338.7256	-0.1174	0	4	5.1	1	TSVGPSKPVSQPR
690	451.8900	1352.6482	1352.7598	-0.1116	1	4	5.8	1	VHAKQAIQMLMK + Oxidation (M)
860	519.8700	1556.5882	1556.7942	-0.2061	1	4	6.2	1	LEKNVSVMTMVFK + 2 Oxidation (M)
277	504.1700	1006.3254	1006.5117	-0.1862	2	4	6.5	1	KQMSKEEK
425	585.2200	1168.4254	1168.6088	-0.1833	1	4	5.9	1	KTEAPAAGPEAK
491	619.7500	1237.4854	1237.5609	-0.0754	1	4	5.5	1	MEDSSRVSPSK + Oxidation (M)
667	673.1700	1344.3254	1344.6382	-0.3127	1	4	4.2	1	QSDQDAERLR
1144	752.2400	2253.6982	2254.0452	-0.3470	1	4	1.5	1	RYHCQFCFQGFLYLSTK
1040	634.2800	1899.8182	1899.9400	-0.1219	1	4	5.4	1	TSFGQATLESFSLCK
1080	683.2300	2046.6682	2046.9646	-0.2965	1	4	3.9	1	GYSYDLQVEEAYDLARR
419	581.7000	1161.3854	1161.6982	-0.3127	2	4	6.7	1	QSVYRLLR
760	475.1000	1422.2782	1422.6530	-0.3748	2	4	1.4	1	MKGMSRHSQMAK + 2 Oxidation (M)
965	565.2400	1692.6982	1692.8393	-0.1411	1	4	5.9	1	MSDVTIVKEDWVQK + Oxidation (M)
999	584.9800	1751.9182	1751.7719	0.1462	1	4	5.6	1	CSGNEVYHIRMGDSK
1000	585.2200	1752.6382	1752.9006	-0.2624	2	4	5.1	1	GEKELSSEPRTPPAQK
1079	682.2000	2043.5782	2043.9580	-0.3799	0	4	1.7	1	SCSPYNFMVVSMLPAVR
569	429.1600	1284.4582	1284.6206	-0.1625	0	4	6	1	IDIMVTMGFAR + 2 Oxidation (M)
982	860.8200	1719.6254	1719.7846	-0.1591	0	4	5.6	1	AQSLNPDASGSSCSLAR
837	511.2600	1530.7582	1530.8188	-0.0606	1	4	5.7	1	QAGIRVIMITGDNK + Oxidation (M)
103	426.1800	850.3454	850.4661	-0.1206	1	4	5.6	1	VTYGQKR
49	411.3100	820.6054	820.3861	0.2193	0	4	7.3	1	VASMNQR + Oxidation (M)
462	605.2900	1208.5654	1208.5464	0.0190	1	4	5.8	1	MAVSHMKSMR + 2 Oxidation (M)
23	396.2400	790.4654	790.4623	0.0032	0	4	8.4	1	LMTSLVK
993	868.3400	1734.6654	1734.8570	-0.1916	2	4	7.1	1	NTSNKMAQDKINDIK + Oxidation (M)
1088	688.2700	2061.7882	2062.1608	-0.3727	1	4	5.1	1	KISDIAICAGLIPSNHLLK
429	587.2400	1172.4654	1172.5785	-0.1131	1	4	7.6	1	QNLQEEKER
680	449.7100	1346.1082	1345.7275	0.3807	2	4	3.4	1	KKAGLELSPPEMK + Oxidation (M)
1160	777.7800	2330.3182	2330.1286	0.1895	0	4	5.7	1	FDLIAESNVGPPMTDPVLMR
11	389.0900	776.1654	776.3963	-0.2308	1	4	9	1	AVREMR + Oxidation (M)
1127	737.9800	2210.9182	2211.0590	-0.1408	1	4	5.6	1	EILRQFNQTVQSSGNMTDK + Oxidation (M)
158	434.6900	867.3654	867.4450	-0.0796	0	4	5.5	1	NVHELEK

648	668.3900	1334.7654	1334.6902	0.0752	2	4	7.1	1	TSTSDRSANLKR
706	457.7100	1370.1082	1369.7466	0.3615	1	4	3.3	1	GDIAGHLRLSGFK
563	429.0400	1284.0982	1283.7523	0.3459	0	4	2.5	1	ILVPALMVTAEK
869	786.3400	1570.6654	1570.8324	-0.1669	1	4	6.3	1	SIVGMKTVLSMPHR + Oxidation (M)
1210	1009.8100	3026.4082	3026.6263	-0.2181	2	4	4.1	1	IIKHPNYSSWTLNNDIMLIKLSPPVK + Oxidation (M)
918	814.2600	1626.5054	1626.6800	-0.1746	1	4	5.1	1	MCEQALGKACGGDSK + Oxidation (M)
1129	738.3600	2212.0582	2212.2038	-0.1456	1	4	4.9	1	ASCLLSLLLAGFVPPGRGQEK
186	445.1600	888.3054	888.4851	-0.1797	1	4	8.9	1	TIMPGSRK
424	584.9800	1167.9454	1167.5884	0.3571	0	4	5.2	1	AGEQDASIHKL
352	541.5700	1081.1254	1081.5148	-0.3893	0	4	2	1	CVSEMLVTK + Oxidation (M)
770	721.7800	1441.5454	1441.6330	-0.0876	0	4	6.9	1	DSGMVPMVTGFTQR + Oxidation (M)
55	413.1400	824.2654	824.3772	-0.1117	0	4	5.7	1	IMEMAAK + 2 Oxidation (M)
332	532.2400	1062.4654	1062.5193	-0.0539	0	4	7.7	1	EGSSIGAIDSK
577	430.0400	1287.0982	1286.7081	0.3900	1	4	2.2	1	LKDEEISAAAIK
739	702.3100	1402.6054	1402.7099	-0.1045	2	4	6.9	1	ANGMELDGRIR + Oxidation (M)
227	457.2800	912.5454	912.5406	0.0049	2	4	6.3	1	KFRGHLR
704	685.5400	1369.0654	1368.7911	0.2743	1	4	5.3	1	LLRAVIMGAPGSGK
1030	627.2800	1878.8182	1878.9323	-0.1142	0	4	6.4	1	GGSFSGALTVDGLLGNEK
1006	884.7800	1767.5454	1767.9016	-0.3561	1	4	4.6	1	RSNYGEIPGQEHLLR
175	443.1400	884.2654	884.5080	-0.2425	0	3	7	1	LLQDQLR
948	556.3000	1665.8782	1665.8839	-0.0057	0	3	7.5	1	IDGDITLGGLPVHGR
1107	711.2100	2130.6082	2130.9391	-0.3309	0	3	1.9	1	DQWSMTPPMVNAYSPK + Oxidation (M)
223	453.3000	904.5854	904.4555	0.1299	0	3	9.8	1	FAEHVFR
42	411.1300	820.2454	820.3935	-0.1481	0	3	8.1	1	MGLVMDR
723	690.9600	1379.9054	1379.6906	0.2149	2	3	7.3	1	TVRNDNSSRFGK
304	519.1900	1036.3654	1036.4682	-0.1027	0	3	7.3	1	SSSMVHVMIK + 2 Oxidation (M)
1012	892.3500	1782.6854	1782.7643	-0.0788	0	3	6.4	1	ESTESSNTTIEDVDK
1197	884.7800	2651.3182	2651.3085	0.0096	1	3	4.5	1	QPSASAPQSSSTAPCLSSSPALPRQR
470	411.1300	1230.3682	1230.6027	-0.2345	0	3	7.6	1	DSVMVLSATHR + Oxidation (M)
1074	679.2200	2034.6382	2034.8914	-0.2532	0	3	3.5	1	YSMPETESGYMVANLAK + Oxidation (M)
1190	860.3000	2577.8782	2578.2697	-0.3915	2	3	2.4	1	QADQVTEIMLNFDKVLERDVK + Oxidation (M)
954	561.2700	1680.7882	1680.9410	-0.1528	1	3	6.7	1	IPLLVGNGKSDLEER
15	391.2000	780.3854	780.4316	-0.0462	2	3	7.7	1	ALKMRF + Oxidation (M)
1133	747.2400	2238.6982	2239.0653	-0.3671	0	3	2.2	1	MALSEPILPSFATFASPCR + Oxidation (M)
928	821.8000	1641.5854	1641.7383	-0.1528	0	3	6.9	1	ESGAYGAANAGGSFDLR
1218	1437.0300	4308.0682	4308.2001	-0.1319	0	3	2.7	1	TVIEPFENIEVYNLLCDLLHIQAPNNGSHGSLNHLK
1173	814.2600	2439.7582	2440.1434	-0.3852	2	3	1.6	1	ELPSPDEGFEGKSLYDSWKEK
346	535.7600	1069.5054	1069.5148	-0.0093	0	3	8.2	1	MLTSMLSGSK + Oxidation (M)
497	414.9300	1241.7682	1241.6802	0.0880	1	3	8	1	HVLATLGEKMK + Oxidation (M)
726	691.3000	1380.5854	1380.7071	-0.1217	2	3	6.9	1	FTATKKDMSPQK
187	445.1900	888.3654	888.4552	-0.0898	0	3	9.9	1	AATEALGEK
91	420.1600	838.3054	838.4371	-0.1316	1	3	6.7	1	FEMIKR + Oxidation (M)
867	785.7900	1569.5654	1569.7358	-0.1704	1	3	6.7	1	DLNFRMFVVGQR + Oxidation (M)
195	447.0900	892.1654	892.5355	-0.3700	1	3	8.9	1	QLRAHLR
656	447.0900	1338.2482	1338.5703	-0.3221	0	3	1.8	1	MWYFTSDFSR
711	459.1600	1374.4582	1374.7177	-0.2595	1	3	7.1	1	VSEMQLDAQVK
795	737.9800	1473.9454	1473.7423	0.2032	0	3	7.4	1	ENSSNILDNLISR
50	411.3500	820.6854	820.4668	0.2187	2	3	8.7	1	SKGARFR
469	411.1100	1230.3082	1230.6204	-0.3122	1	3	7.2	1	KAVELGDEASGR
315	524.7000	1047.3854	1047.5349	-0.1495	1	3	8.2	1	KVEDFTGPR
373	558.7100	1115.4054	1115.6161	-0.2107	0	3	8.5	1	GLILCLWNK
27	398.0300	794.0454	794.2510	-0.2055	0	3	5.6	1	CGCAPCA
153	433.1700	864.3254	864.4739	-0.1484	1	3	7.5	1	MVVASSKK + Oxidation (M)
217	450.2300	898.4454	898.4331	0.0124	0	3	7.9	1	AIVHCDGK
347	536.7300	1071.4454	1071.5317	-0.0863	0	3	8.8	1	LQMOMHLR + Oxidation (M)
537	634.2800	1266.5454	1266.7659	-0.2205	2	3	7.8	1	KVVKQAAEGPLK
197	447.1200	892.2254	892.4511	-0.2256	0	3	9.3	1	CLAVGMVK + Oxidation (M)
677	673.8600	1345.7054	1345.8306	-0.1252	2	3	9.5	1	LVTPRVLQHKR
727	693.7700	1385.5254	1385.7051	-0.1797	1	3	8.1	1	DESPASWRLGLR
96	423.1900	844.3654	844.4879	-0.1224	2	3	12	1	RDKTAVR
240	467.1700	932.3254	932.4563	-0.1309	0	3	9.8	1	ASLEQTER
243	468.1400	934.2654	934.4793	-0.2139	1	3	9.7	1	EKAMIAK + Oxidation (M)
724	461.0800	1380.2182	1379.8500	0.3682	1	3	1.1	1	TISHVIIGLKTA
407	385.1800	1152.5182	1152.6403	-0.1222	1	3	8.2	1	NPLREFLHK
97	423.3000	844.5854	844.4515	0.1340	1	3	12	1	NKNVTNR
915	540.1200	1617.3382	1617.7378	-0.3996	1	3	1.3	1	ESYSALMRELEMK + 2 Oxidation (M)
914	808.3200	1614.6254	1614.8186	-0.1932	2	3	7.9	1	RSGNPSSLSIDIGNRR
685	450.3500	1348.0282	1347.6452	0.3830	1	3	7.1	1	EEEAMSLQRQK

1065	673.8500	2018.5282	2018.2114	0.3167	1	3	1.5	1	LGLLMFLPLLLLATRYR + Oxidation (M)
1051	656.2200	1965.6382	1965.9319	-0.2938	0	3	5.1	1	YLEDQVNADLPYEIER
987	577.1700	1728.4882	1728.7704	-0.2822	0	3	4.4	1	GHTDSVQDISFDHSGK
1209	1009.8000	3026.3782	3026.4841	-0.1060	1	3	5.1	1	TMLRMSEITTPSGAPFTQPLSSNEIFR + Oxidation (M)
451	399.1600	1194.4582	1194.6244	-0.1662	0	3	7.7	1	SPAEAKPPAEAK
1022	621.7900	1862.3482	1862.0850	0.2632	1	3	3	1	LTIAQARLGTPVDRPVR
132	431.0300	860.0454	860.4426	-0.3971	0	3	5	1	LTEPMVR + Oxidation (M)
382	564.2800	1126.5454	1126.6281	-0.0826	2	3	9	1	MAPAGGPRVKK + Oxidation (M)
565	429.1200	1284.3382	1284.6647	-0.3265	2	3	6.7	1	QRQLEGNERR
1020	614.7600	1841.2582	1840.9757	0.2825	2	3	6	1	DPYSGKLISLFQAMKK + Oxidation (M)
3	385.1800	768.3454	768.4494	-0.1039	0	3	6.8	1	SALHITK
930	548.3300	1641.9682	1641.8475	0.1207	0	3	8.4	1	GKPGPAEGDPSPALPPR
179	445.0400	888.0654	888.4487	-0.3833	0	3	4.4	1	AGAMPISRR
292	514.3500	1026.6854	1026.4474	0.2381	1	3	8.9	1	EMNSGMAKK + 2 Oxidation (M)
778	727.8500	1453.6854	1453.6620	0.0235	1	3	9	1	IFRQMDTNNDGK + Oxidation (M)
894	532.2700	1593.7882	1593.8627	-0.0745	2	3	8	1	LAQKAFYGVKQGR
980	860.3000	1718.5854	1718.8839	-0.2984	0	3	7.3	1	AVEETQHPPTIQEIK
1034	942.3400	1882.6654	1882.9384	-0.2730	1	3	7.4	1	NILKPRNEQEQQEEK
5	385.5200	769.0254	769.3065	-0.2810	0	3	3.6	1	EMDGYR
523	626.8800	1251.7454	1251.6281	0.1173	1	3	8.6	1	MAEFPSKVSTR
896	533.2100	1596.6082	1596.7168	-0.1087	0	3	7.3	1	NSNGSSGEFLPGEFR
1124	735.5100	2203.5082	2203.1228	0.3853	1	2	3.5	1	KGEPISCEDLGVSGALTVLMK
285	509.2300	1016.4454	1016.4774	-0.0320	0	2	11	1	EAEADDVLR
290	512.7800	1023.5454	1023.4477	0.0977	0	2	9.3	1	ASANMDLMR + Oxidation (M)
757	711.2100	1420.4054	1420.7636	-0.3581	0	2	7.9	1	ELVLMNLNLFQK + Oxidation (M)
142	431.2400	860.4654	860.3777	0.0878	0	2	12	1	YVHDDGR
688	675.8700	1349.7254	1349.6503	0.0751	0	2	9	1	ILSFGSWEDLSP
98	424.0100	846.0054	846.3542	-0.3487	0	2	1.9	1	TDHAEMK + Oxidation (M)
1184	834.3400	2499.9982	2500.1692	-0.1711	2	2	6.3	1	DGIMNLNGRDYIFSKAIGDAEW + Oxidation (M)
1142	751.7200	2252.1382	2252.0677	0.0704	2	2	7.3	1	VKQGAENMIQMYSNGPSKDR
298	518.2100	1034.4054	1034.4629	-0.0574	0	2	9.3	1	AGDSSGTGAGQK
501	415.1200	1242.3382	1242.6568	-0.3186	1	2	8.8	1	ASEERKPGELK
810	751.7200	1501.4254	1501.6177	-0.1922	0	2	7.1	1	ENNMSNYNLMEK + Oxidation (M)
1049	646.2400	1935.6982	1935.9187	-0.2205	2	2	6.6	1	GYPPPRDSYSSSSRGAPR
672	449.2600	1344.7582	1344.7725	-0.0143	2	2	9.6	1	TDKSAVSGAIRLK
43	411.1500	820.2854	820.3572	-0.0717	0	2	11	1	CTPGVCK
311	523.2400	1044.4654	1044.5902	-0.1248	0	2	11	1	RPMYPILR
902	802.2300	1602.4454	1602.8300	-0.3846	1	2	6.2	1	DLRFQHVMSITTR
414	386.6700	1156.9882	1156.6703	0.3179	1	2	7.3	1	VIALIDEEKK
1169	802.2300	2403.6682	2404.0682	-0.4000	1	2	2.5	1	IHDLREQMNMHSMSSGSGSLR + 2 Oxidation (M)
687	675.5100	1349.0054	1348.6670	0.3385	2	2	8.2	1	LSKDAHRYGMR + Oxidation (M)
968	565.7700	1694.2882	1694.0090	0.2791	2	2	2.7	1	TKHVNELKLSVVSLEK
161	435.7600	869.5054	869.4970	0.0084	0	2	9.6	1	QPSNAILEK
742	470.0800	1407.2182	1407.5943	-0.3761	0	2	1.1	1	DDGDSYGFITYR
144	431.2400	860.4654	860.4426	0.0229	0	2	13	1	MPEISLR + Oxidation (M)
88	417.7100	833.4054	833.4283	-0.0229	0	2	13	1	DVSTVWK
849	517.2600	1548.7582	1548.7864	-0.0282	2	2	10	1	MARNAEKAMTALAR + Oxidation (M)
907	535.6800	1604.0182	1603.9219	0.0963	2	2	10	1	MDLLVEKVKSVSIK + Oxidation (M)
196	447.0900	892.1654	892.4688	-0.3033	1	2	11	1	KEAASLMK + Oxidation (M)
1126	737.7900	2210.3482	2210.1516	0.1966	2	2	7.1	1	ANNVQEVRRLLSEGADVNR
356	547.6600	1093.3054	1093.5082	-0.2028	2	2	9.3	1	EHMKKMK + 2 Oxidation (M)
1035	942.8200	1883.6254	1883.9265	-0.3010	0	2	6.4	1	DLFSLDSEGPSASPPLR
607	433.3500	1297.0282	1296.6860	0.3422	1	2	5.7	1	DVKGGQIGAPMPGK
1213	1020.4000	3058.1782	3058.4384	-0.2603	2	2	3.7	1	LMAKMESVGPMTVKETCSYQSFLHPR + 2 Oxidation (M)
59	413.2200	824.4254	824.3884	0.0370	0	2	8.2	1	MVISGMR + 2 Oxidation (M)
289	511.2600	1020.5054	1020.4949	0.0106	1	2	11	1	RTSSGGGGGTGK
363	549.2200	1096.4254	1096.6314	-0.2060	2	2	8.6	1	ISAKYKIMK + Oxidation (M)
286	509.2700	1016.5254	1016.5363	-0.0108	2	2	12	1	DIRRNEK
983	574.2900	1719.8482	1719.7345	0.1137	0	2	8.9	1	CLAGCEGAHEQVDFK
649	445.9500	1334.8282	1334.7055	0.1227	2	2	11	1	ERRSFTEAAIR
991	577.7700	1730.2882	1729.9726	0.3155	2	2	4.4	1	DVPVAIKALKAGYTER
1066	673.8600	2018.5582	2018.9408	-0.3826	1	2	2.3	1	MYDFDGNGLISKDEFIR
448	398.0300	1191.0682	1190.6692	0.3989	2	2	2	1	SLAVKAEAMKK + Oxidation (M)
226	457.1400	912.2654	912.4890	-0.2235	1	2	9.1	1	GGPGSARGVR
495	414.8500	1241.5282	1241.6373	-0.1091	2	2	11	1	MVSMTFKRSR
676	673.8500	1345.6854	1345.6812	0.0042	1	2	12	1	MVSHLAEFFKR
1098	696.2700	2085.7882	2086.0192	-0.2310	1	2	8.6	1	ADSSRPYLPRQQDVPSDR
209	449.2500	896.4854	896.5154	-0.0299	2	2	8.3	1	KFVKTMK + Oxidation (M)

362	549.1500	1096.2854	1096.6202	-0.3348	0	2	8.5	1	L Y MV L I T T K + Oxidation (M)
377	563.2400	1124.4654	1124.5938	-0.1284	0	2	11	1	APGGSPGSAGLVR
909	535.7600	1604.2582	1603.8781	0.3801	1	2	3.2	1	VSEQTLQSASSKVLK
380	564.1600	1126.3054	1126.5692	-0.2638	2	2	10	1	SFKKMDLDK + Oxidation (M)
499	415.0500	1242.1282	1241.7343	0.3938	1	2	1.7	1	AGLVIGKGGETIK
504	415.2400	1242.6982	1242.7370	-0.0388	1	2	11	1	LVPGAKATLV M K + Oxidation (M)
953	561.2500	1680.7282	1680.9046	-0.1765	0	2	9.6	1	EEVASALVHILQSTGK
231	458.2400	914.4654	914.5338	-0.0683	0	2	13	1	NLLLTWR
1077	1020.4000	2038.7854	2039.0298	-0.2444	1	2	8.5	1	GSPVPARALQPPEYPW M K + Oxidation (M)
307	519.8700	1037.7254	1037.4885	0.2369	1	2	9.4	1	MAEMKSP T K + Oxidation (M)
591	431.2300	1290.6682	1290.6213	0.0469	2	2	11	1	QMKMYRGFSK + Oxidation (M)
748	708.2700	1414.5254	1414.8772	-0.3518	0	2	11	1	KPQKPIPRPLNK
581	645.7400	1289.4654	1289.6364	-0.1710	0	2	11	1	SFPSSHGLTTTR
683	674.7500	1347.4854	1347.7432	-0.2577	2	2	11	1	VVDMASEKKVVK + Oxidation (M)
121	429.1500	856.2854	856.3749	-0.0894	0	2	12	1	EMSATFR + Oxidation (M)
1130	738.9000	2213.6782	2214.0101	-0.3319	1	2	3.2	1	VKNMICMLYFD F WFER + Oxidation (M)
580	645.2700	1288.5254	1288.6081	-0.0827	0	2	13	1	DNAMLPISDSAR
261	475.1600	948.3054	948.5062	-0.2008	1	1	12	1	ESMIGKIR + Oxidation (M)
943	554.1300	1659.3682	1659.7233	-0.3551	0	1	1.9	1	EGMVPSGHSLLAMD G Q + 2 Oxidation (M)
539	634.3500	1266.6854	1266.7448	-0.0594	1	1	11	1	SLRFVTL L YR
263	475.2000	948.3854	948.5029	-0.1174	0	1	12	1	APPSGPAPAGK
67	414.9300	827.8454	827.5018	0.3437	1	1	7.6	1	KGFVLHK
116	429.0000	855.9854	856.3306	-0.3452	0	1	1.2	1	ISMESQ M + 2 Oxidation (M)
626	441.1500	1320.4282	1320.7111	-0.2830	1	1	10	1	EVMI V QKFAEK
923	818.6200	1635.2254	1634.9104	0.3151	1	1	5.9	1	TIKVS Y ARPSSASIR
861	519.8900	1556.6482	1556.8028	-0.1546	2	1	12	1	AEHMT R TLRGV M R
994	868.8100	1735.6054	1735.8597	-0.2542	1	1	11	1	MKTLS S SGNCTLN V PAK + Oxidation (M)
1208	981.3800	2941.1182	2941.4889	-0.3707	2	1	4.6	1	SKEE P VTMT H PGTGDIIA V MITELRGK + 2 Oxidation (M)
654	447.0600	1338.1582	1337.7667	0.3915	2	1	1.7	1	SLSLI Y SGSKRK
584	431.0700	1290.1882	1290.5373	-0.3491	0	1	1.2	1	FYAMCAA A ENK + Oxidation (M)
959	563.7800	1688.3182	1687.9257	0.3925	1	1	1.7	1	ILKLTLYDQSNPQR
66	414.8500	827.6854	827.4501	0.2354	1	1	12	1	ADIPERK
510	415.7600	1244.2582	1244.6257	-0.3675	0	1	8.5	1	VGAPLVCCEIK
641	445.0800	1332.2182	1332.5980	-0.3798	0	1	2.2	1	STEMEVHEL S R + Oxidation (M)
239	465.8700	929.7254	929.4930	0.2324	1	1	14	1	EKELQQR
447	397.3800	1189.1182	1188.7230	0.3952	2	1	0.99	1	VFELLNKKAK
614	436.7400	1307.1982	1307.5349	-0.3367	0	1	1.6	1	MCDVMAAYFGK + Oxidation (M)
823	757.2400	1512.4654	1512.7909	-0.3255	2	1	10	1	QYQDAIRAHKAGR
964	564.7600	1691.2582	1690.8600	0.3982	0	1	5.8	1	ALTVP E L T QQMFDAK
410	577.7000	1153.3854	1153.6204	-0.2349	1	1	13	1	TSGDLQKH I R
62	413.2700	824.5254	824.4578	0.0676	2	1	10	1	KGMKFAK + Oxidation (M)
16	391.2500	780.4854	780.4051	0.0803	0	1	13	1	LMSTVSK + Oxidation (M)
99	425.1000	848.1854	848.4426	-0.2571	1	1	15	1	MAENLKK + Oxidation (M)
1014	600.7800	1799.3182	1798.9425	0.3757	1	1	5.1	1	LSLADKENTPPTLSSAR
418	581.2500	1160.4854	1160.5785	-0.0931	1	1	14	1	RISATAEDGNK
260	475.1000	948.1854	948.5029	-0.3175	0	1	13	1	GPPGVPVPSGK
218	450.3500	898.6854	898.5389	0.1466	1	1	13	1	WGKPVGKK
1011	595.1400	1782.3982	1782.7414	-0.3432	1	1	2.7	1	EGCFPASAGKGC E GN S R
912	537.7300	1610.1682	1609.8787	0.2894	1	1	10	1	TLIENGEKITS L HR
127	429.2800	856.5454	856.4079	0.1375	0	1	14	1	FN Y QGTK
1206	942.8200	2825.4382	2825.2111	0.2271	1	1	7.9	1	EQFLEAVTVSAGDEEDEDGSREER
622	439.2300	1314.6682	1314.7520	-0.0839	2	1	13	1	VFSKQPGRIQR
602	432.7200	1295.1382	1294.8237	0.3144	1	1	1.6	1	IWILVLQVRR
520	417.7100	1250.1082	1249.7143	0.3939	1	1	1.8	1	EIVPVHVSSRK
1172	812.0200	2433.0382	2433.2039	-0.1657	0	1	8.9	1	IFGSSYPVSI A FIVVNEFCER
820	755.8500	1509.6854	1509.7829	-0.0975	2	1	14	1	AVVLMGKNTM M RK + 2 Oxidation (M)
162	435.7800	869.5454	869.4971	0.0484	0	1	13	1	VLSPEAVR
643	445.1500	1332.4282	1332.7302	-0.3021	1	1	14	1	FEAPLFNARIR
1123	734.8000	2201.3782	2201.0575	0.3207	0	1	8.7	1	HTLVADPYEEAWNQ M LLR + Oxidation (M)
796	738.2900	1474.5654	1474.7337	-0.1683	1	1	12	1	ELANMDTESIPKK
951	837.3600	1672.7054	1672.7953	-0.0898	0	1	12	1	EMVYCLEQGLIYR
201	447.2100	892.4054	892.4767	-0.0712	1	1	16	1	QDLSKFR
1047	645.2700	1932.7882	1932.9575	-0.1693	1	1	11	1	QGRPIILCSKDDTESSK
1138	748.3400	2241.9982	2242.1528	-0.1547	1	1	10	1	QGPPGPPGPPSAGQLV M GLKGER + Oxidation (M)
60	413.2300	824.4454	824.4327	0.0128	0	1	11	1	GMPHVIR + Oxidation (M)
64	414.1800	826.3454	826.4661	-0.1206	1	1	14	1	NLPKAER
647	668.2500	1334.4854	1334.5963	-0.1109	0	1	15	1	EEVGHQDTAGHR
857	519.1900	1554.5482	1554.6409	-0.0927	0	1	13	1	MEPSEYHEYQAR + Oxidation (M)

<input type="checkbox"/>	949	834.3400	1666.6654	1666.7151	-0.0497	2	1	12	1	SNGEEPRMGSRMER + 2 Oxidation (M)
<input type="checkbox"/>	1109	714.2900	2139.8482	2139.9929	-0.1447	1	1	12	1	MEDSGIYVCEGVNLVGRDK
<input type="checkbox"/>	8	387.1400	772.2654	772.4443	-0.1788	0	1	20	1	VLDLASR
<input type="checkbox"/>	250	473.1100	944.2054	944.5291	-0.3236	1	0	18	1	QSSKIPSAK
<input type="checkbox"/>	1162	786.3400	2355.9982	2356.3339	-0.3357	2	0	11	1	YNVQINSIGRALLLNKGGLSAR
<input type="checkbox"/>	1212	1010.3500	3028.0282	3027.6851	0.3431	0	0	3	1	LSEVITGDLIIIMAQIIIAIQMVLEEK + 2 Oxidation (M)
<input type="checkbox"/>	436	590.2700	1178.5254	1178.6845	-0.1591	2	0	13	1	MPPKKPEPKK
<input type="checkbox"/>	759	475.0800	1422.2182	1421.8970	0.3212	2	0	2.2	1	LELPLKQKGVGLK
<input type="checkbox"/>	61	413.2600	824.5054	824.4136	0.0919	0	0	12	1	MLMSSIK + Oxidation (M)
<input type="checkbox"/>	279	504.6700	1007.3254	1007.4052	-0.0798	0	0	15	1	SPAPMSCDK + Oxidation (M)
<input type="checkbox"/>	660	447.2100	1338.6082	1338.6020	0.0062	2	0	12	1	EAMEMREQKR + 2 Oxidation (M)
<input type="checkbox"/>	508	415.3500	1243.0282	1242.6866	0.3415	1	0	9.9	1	MLSPRNQLIR + Oxidation (M)
<input type="checkbox"/>	1050	981.3800	1960.7454	1960.9108	-0.1654	2	0	13	1	QTNMRFGKNMHVNDR
<input type="checkbox"/>	828	759.9800	1517.9454	1517.8201	0.1253	1	0	15	1	ENQIAIRASFLEK
<input type="checkbox"/>	284	509.2200	1016.4254	1016.5516	-0.1261	0	0	18	1	LIPHTGSHR
<input type="checkbox"/>	728	696.2700	1390.5254	1390.6221	-0.0966	1	0	14	1	RMMGPVDPEEAK + 2 Oxidation (M)
<input type="checkbox"/>	1171	808.3200	2421.9382	2422.1469	-0.2087	0	0	10	1	CLVVCDSPPSGDGAVTSSLGISVR
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<input type="checkbox"/>	1118	727.6000	2179.7782	2180.0909	-0.3127	2	0	10	1	FQGQNGNYTRMLQIPNRK + Oxidation (M)
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<input type="checkbox"/>	1217	1334.8500	4001.5282	4001.5190	0.0092	2	0	2.7	1	AMYSREAKAQMEDEDEEEEEDEDDNMSTVMR + 2 Oxidation (M)
<input type="checkbox"/>	1059	668.3900	2002.1482	2001.9617	0.1865	2	0	12	1	QQRESSSKDITGTHWSR
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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 : 1218

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