Mascot Search Results

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User            :
Email           :
Search title    :
MS data file    : C:\Dokumente und Einstellungen\Juliane\Eigene Dateien\Qtrap-files\Quantifizierung 13082008\MS2 IP-Proben 13082008\Qtrap0015765-1
Database        : Sprot 51.6 (257964 sequences; 93947433 residues)
Taxonomy        : Rattus (5769 sequences)
Timestamp       : 19 Aug 2008 at 16:48:58 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) (Atria
                  UBIQ_RAT  Ubiquitin - Rattus norvegicus (Rat)
                  RAB4B_RAT Ras-related protein Rab-4B - Rattus norvegicus (Rat)
                  MPIP2_RAT M-phase inducer phosphatase 2 (EC 3.1.3.48) (Dual specificity phosphatase Cdc25B) - Rattus norvegicus (Rat)
                  MMP2_RAT  72 kDa type IV collagenase precursor (EC 3.4.24.24) (72 kDa gelatinase) (Matrix metalloproteinase-2) (MMP-2) (Gelatina
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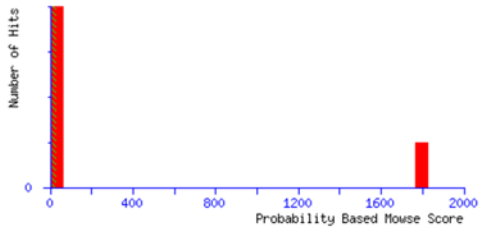
Probability Based Mowse Score

Ions score is -10*Log(P), where P is the probability that the observed match is a random event.
Individual ions scores > 28 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:** 1797 **Queries matched:** 59 **emPAI:** 2.95
Atrial natriuretic peptide receptor A precursor (ANP-A) (ANPRA) (GC-A) (Guanylate cyclase) (EC 4.6.1.2) (NPR-A) (Atrial natriuretic peptide
Check to include this hit in error tolerant search or archive report

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Peptide
104	457.7800	913.5454	913.4869	0.0586	0	37	0.0062	1	K.IHLSSETK.A
133	497.2700	992.5254	992.4346	0.0909	0	59	3.7e-005	1	K.SSNCVVDGR.F
134	497.7400	993.4654	993.4437	0.0218	0	39	0.0046	1	R.MESNGEALK.I + Oxidation (M)
154	516.3000	1030.5854	1030.5447	0.0407	0	41	0.0027	1	K.ELVSELWR.V
160	519.2600	1036.5054	1036.5342	-0.0287	0	(34)	0.014	1	R.TYWLLGER.G
161	519.2700	1036.5254	1036.5342	-0.0087	0	41	0.0026	1	R.TYWLLGER.G
164	519.2800	1036.5454	1036.5342	0.0113	0	(38)	0.0056	1	R.TYWLLGER.G
226	536.8100	1071.6054	1071.6110	-0.0056	0	87	7.6e-008	1	R.MALALLDAVR.S
234	544.7900	1087.5654	1087.6059	-0.0405	0	(49)	0.00048	1	R.MALALLDAVR.S + Oxidation (M)
236	544.8400	1087.6654	1087.6059	0.0595	0	(49)	0.00043	1	R.MALALLDAVR.S + Oxidation (M)
241	548.3900	1094.7654	1094.6448	0.1207	0	53	0.00016	1	R.VGPAVELALAR.V
243	549.8300	1097.6454	1097.6233	0.0221	0	35	0.012	1	K.LWTAPELLR.M
248	556.2800	1110.5454	1110.5418	0.0037	0	51	0.00026	1	R.DVQNEHLTR.F
260	564.7900	1127.5654	1127.6087	-0.0433	0	73	2.1e-006	1	K.LGDFVTALHR.R
264	569.3100	1136.6054	1136.5826	0.0229	1	53	0.00017	1	R.TQAYLEEKR.K
324	600.7700	1199.5254	1199.5822	-0.0568	0	45	0.0014	1	K.ITDYGLESFR.D
344	613.8700	1225.7254	1225.7183	0.0072	1	48	0.00059	1	K.KLWTAPELLR.M
459	680.3300	1358.6454	1358.6466	-0.0012	0	35	0.014	1	R.WEDLQPSSLER.H
483	690.8800	1379.7454	1379.7674	-0.0219	0	41	0.0032	1	K.ARPDLLPGWTVR.M
524	734.8600	1467.7054	1467.6994	0.0060	0	46	0.0011	1	R.DPEPEQGHTLFAK.K
529	737.8400	1473.6654	1473.7423	-0.0768	0	(60)	4.8e-005	1	K.ENSSNILDNLLSR.M
530	737.8600	1473.7054	1473.7423	-0.0368	0	60	4.3e-005	1	K.ENSSNILDNLLSR.M
531	738.9700	1475.9254	1475.9075	0.0179	0	69	5.6e-006	1	R.VPLLTAGAPALGIGVK.D
538	747.3500	1492.6854	1492.7085	-0.0231	0	49	0.00055	1	K.EPDNPEYLEFLK.Q
540	748.4000	1494.7854	1494.7943	-0.0088	0	40	0.0048	1	K.SAQGLVPQKPWER.G
541	499.3600	1495.0582	1494.7943	0.2639	0	(34)	0.0099	1	K.SAQGLVPQKPWER.G
543	752.3300	1502.6454	1502.6824	-0.0369	0	57	8.1e-005	1	R.YCLFGDTVNTASR.M
544	755.8700	1509.7254	1509.7715	-0.0461	0	(50)	0.00044	1	R.SGVFYVEGLDLSPK.E
545	755.9100	1509.8054	1509.7715	0.0339	0	60	4.8e-005	1	R.SGVFYVEGLDLSPK.E
604	789.4200	1576.8254	1576.8760	-0.0505	0	60	5.1e-005	1	R.IGIHTGPVCAGVVGLK.M
605	526.6600	1576.9582	1576.8760	0.0822	0	(46)	0.0012	1	R.IGIHTGPVCAGVVGLK.M
654	807.9200	1613.8254	1613.8161	0.0093	1	57	9.5e-005	1	R.VRWEDLQPSSLER.H
668	821.4000	1640.7854	1640.8603	-0.0748	0	46	0.001	1	K.LYWPLGYPPPDVPK.C
669	821.4200	1640.8254	1640.8603	-0.0348	0	(38)	0.0071	1	K.LYWPLGYPPPDVPK.C

682	833.8700	1665.7254	1665.8250	-0.0995	0	95	1.5e-008	1	K.AVLEEFDGFELELR.G
685	557.6100	1669.8082	1669.8576	-0.0494	0	41	0.0041	1	R.LGWEHQALVLYADR.L
759	903.4700	1804.9254	1804.9393	-0.0139	0	(83)	2.6e-007	1	K.VETIGDAYMVVSGLPVR.N
768	607.9100	1820.7082	1820.9343	-0.2261	0	(53)	0.00022	1	K.VETIGDAYMVVSGLPVR.N + Oxidation (M)
770	607.9900	1820.9482	1820.9343	0.0139	0	(52)	0.00027	1	K.VETIGDAYMVVSGLPVR.N + Oxidation (M)
771	911.4900	1820.9654	1820.9343	0.0312	0	104	1.9e-009	1	K.VETIGDAYMVVSGLPVR.N + Oxidation (M)
775	609.6500	1825.9282	1825.9587	-0.0306	1	41	0.0041	1	R.RLGWEHQALVLYADR.L
781	621.9600	1862.8582	1862.9486	-0.0904	1	68	8.7e-006	1	K.FNKENSSNILDNLLSR.M
783	622.8900	1865.6482	1865.8465	-0.1983	0	(48)	0.00087	1	R.MEQYANNLEELVEER.T
784	933.9000	1865.7854	1865.8465	-0.0610	0	100	5e-009	1	R.MEQYANNLEELVEER.T
790	628.2600	1881.7582	1881.8414	-0.0832	0	(53)	0.00025	1	R.MEQYANNLEELVEER.T + Oxidation (M)
791	941.8900	1881.7654	1881.8414	-0.0760	0	(74)	2.3e-006	1	R.MEQYANNLEELVEER.T + Oxidation (M)
792	628.9900	1883.9482	1883.9135	0.0347	0	45	0.0018	1	K.GMLFLHNGAICSHGNLK.S + Oxidation (M)
807	673.5500	2017.6282	2017.8364	-0.2082	0	(48)	0.00072	1	R.DTDFSLWDMDPETGAFR.V + Oxidation (M)
808	673.6300	2017.8682	2017.8364	0.0318	0	61	4.9e-005	1	R.DTDFSLWDMDPETGAFR.V + Oxidation (M)
817	1023.9800	2045.9454	2046.0058	-0.0604	0	57	0.0001	1	R.GSNYGSLLTTEGQFQVFAK.T
818	683.0100	2046.0082	2046.0058	0.0023	0	(49)	0.00059	1	R.GSNYGSLLTTEGQFQVFAK.T
831	696.6500	2086.9282	2086.9969	-0.0687	0	49	0.00065	1	R.LGDDRPCFFIVEGLYMR.V
834	702.0100	2103.0082	2102.9918	0.0164	0	(44)	0.0022	1	R.LGDDRPCFFIVEGLYMR.V + Oxidation (M)
838	704.7100	2111.1082	2111.0826	0.0255	1	36	0.012	1	K.IITYKEPDNPEYLEFLK.Q
842	713.0400	2136.0982	2136.1215	-0.0233	0	86	1.4e-007	1	R.GSQAGDVYSFGIILQEIALR.S
871	786.4000	2356.1782	2356.1423	0.0359	0	70	5.9e-006	1	K.WEHSPAVFLGPGCVYSAAPVGR.F
883	820.9700	2459.8882	2460.0288	-0.1407	1	61	4.8e-005	1	R.NGDRDTDFSLWDMDPETGAFR.V + Oxidation (M)
891	854.9800	2561.9182	2562.2305	-0.3124	0	71	4.2e-006	1	R.MVLGSSENAAGVCSDTAAPLAAVDLK.W + Oxidation (M)
894	884.0900	2649.2482	2649.2711	-0.0229	1	41	0.0046	1	K.ITDYGLESFRDPEPEQGHTLFAK.K

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2. UBIQ_RAT **Mass:** 8560 **Score:** 49 **Queries matched:** 1 **emPAI:** 0.41
Ubiquitin - 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
232	541.3200	1080.6254	1080.5451	0.0803	0	49	0.00043	1	R.TLSDYNIQK.E

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3. RAB4B_RAT **Mass:** 23899 **Score:** 36 **Queries matched:** 1 **emPAI:** 0.14
Ras-related protein Rab-4B - 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
329	605.3300	1208.6454	1208.5244	0.1211	0	36	0.011	1	K.FLVIGSAGTGK.S + 2 Phospho (ST)

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4. MPIP2_RAT **Mass:** 64987 **Score:** 33 **Queries matched:** 1 **emPAI:** 0.05
M-phase inducer phosphatase 2 (EC 3.1.3.48) (Dual specificity phosphatase Cdc25B) - Rattus norvegicus (Rat)
Check to include this hit in error tolerant search or archive report

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Peptide
101	457.3000	912.5854	912.5393	0.0462	1	33	0.016	1	R.DVPVLSKR.R

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5. MMP2_RAT **Score:** 30 **Queries matched:** 1
72 kDa type IV collagenase precursor (EC 3.4.24.24) (72 kDa gelatinase) (Matrix metalloproteinase-2) (MMP-2) (Gelatinase A) - Rattus norveg
Check to include this hit in error tolerant search or archive report

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Peptide
226	536.8100	1071.6054	1071.5713	0.0341	0	30	0.036	2	K.VWSDVTPLR.F

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

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Peptide
135	497.7400	993.4654	993.4437	0.0218	0	30	0.034	1	MESNGEALK + Oxidation (M)
320	396.7800	1187.3182	1187.5450	-0.2268	2	29	0.044	1	YTYFMKKK + Phospho (Y)
881	809.4600	2425.3582	2425.3580	0.0001	1	29	0.061	1	VPLLTAGAPALGIGVKDEYALTTR
244	550.3400	1098.6654	1098.5710	0.0945	0	29	0.045	1	SFQGVTGYLK
516	714.3300	1426.6454	1426.6915	-0.0460	0	29	0.06	1	VIYICSSPDAFR
130	488.7300	975.4454	975.4314	0.0141	1	29	0.048	1	YDKETIK + Phospho (Y)
809	675.0600	2022.1582	2022.1149	0.0432	0	28	0.066	1	AEALLYQILPHSVAEQLK
7	396.7800	791.5454	791.4211	0.1244	1	28	0.048	1	KMQLEK + Oxidation (M)
845	717.7800	2150.3182	2150.2099	0.1083	1	28	0.064	1	KAEALLYQILPHSVAEQLK
235	544.8200	1087.6254	1087.6059	0.0195	0	28	0.066	1	MALALLDAVR + Oxidation (M)
741	587.7600	1760.2582	1759.8886	0.3695	1	27	0.05	1	KNCAILIENDQSISR
168	519.3100	1036.6054	1036.5342	0.0713	0	26	0.081	1	TYWLLGER
446	449.2300	1344.6682	1344.6591	0.0091	1	26	0.11	1	AYLTKYHLTR + Phospho (Y)
730	587.7500	1760.2282	1759.8886	0.3395	1	26	0.067	1	KNCAILIENDQSISR
165	519.2800	1036.5454	1036.5342	0.0113	0	26	0.091	1	TYWLLGER
67	440.2900	878.5654	878.4167	0.1487	0	25	0.1	1	SVQAAMEK + Oxidation (M)
120	469.2300	936.4454	936.4335	0.0120	1	25	0.098	1	SEAAKSCGK
103	457.7700	913.5254	913.4869	0.0386	0	24	0.14	1	IHLSSETK
850	737.6500	2209.9282	2210.0967	-0.1686	0	23	0.26	1	LGEHNINVLEGDEQFINAAK

372	628.2600	1254.5054	1254.5550	-0.0496	0	23	0.19	1	MEQYANNLEK + Oxidation (M)
769	607.9300	1820.7682	1820.9343	-0.1661	0	22	0.29	1	VETIGDAYMVVSGLPVR + Oxidation (M)
430	443.2000	1326.5782	1326.7157	-0.1375	2	22	0.24	1	TSVHRKAHYTK
798	642.7400	1925.1982	1924.8560	0.3422	0	22	0.22	1	MAGAGGGNDIQWCFSQVK
2	387.8100	773.6054	773.4647	0.1408	1	22	0.23	1	SVAKLEK
772	608.2800	1821.8182	1821.9295	-0.1113	1	22	0.35	1	VETIGDAYMVASGLPKR + Oxidation (M)
201	530.7700	1059.5254	1059.5560	-0.0306	1	22	0.27	1	LNKDNDTLK
132	491.2700	980.5254	980.4814	0.0440	0	21	0.23	1	TQAYLEEK
166	519.2900	1036.5654	1036.5342	0.0313	0	21	0.25	1	TYWLLGER
6	394.2600	786.5054	786.4712	0.0343	1	21	0.25	1	RIELTR
282	583.2900	1164.5654	1164.5663	-0.0008	0	21	0.28	1	VVGDVAYDEAK
385	429.0900	1284.2482	1284.5963	-0.3481	0	21	0.25	1	QVSTLINSTDK + Phospho (ST)
863	755.9100	2264.7082	2264.9409	-0.2328	0	21	0.38	1	SHYVGDGVDCEPEQLPLDR + Phospho (Y)
238	545.7700	1089.5254	1089.5051	0.0204	0	21	0.3	1	DGLGSDNIGSR
388	429.2100	1284.6082	1284.5598	0.0483	2	21	0.35	1	KEDDESAGKVK + Phospho (ST)
611	527.6900	1580.0482	1579.7406	0.3076	1	21	0.29	1	EPEFDDEPKFISK
655	538.9800	1613.9182	1613.8161	0.1020	1	21	0.4	1	VRWEDLQPSSLER
129	484.7900	967.5654	967.4611	0.1044	0	21	0.27	1	DEYALTTR
815	680.9500	2039.8282	2039.8135	0.0147	0	21	0.47	1	MSYGRPPPDVEGMTSLK + Oxidation (M); Phospho (ST); Phospho (Y)
3	388.7400	775.4654	775.4989	-0.0335	2	20	0.29	1	KMLLKK + Oxidation (M)
587	520.0200	1557.0382	1556.7864	0.2517	2	20	0.34	1	GKVRTYWLLGER + Phospho (ST)
448	449.2400	1344.6982	1344.6591	0.0391	1	20	0.43	1	AYLTKYHLTR + Phospho (Y)
245	550.8100	1099.6054	1099.6489	-0.0434	0	20	0.39	1	DVLTITLTPK
13	410.9800	819.9454	820.3190	-0.3736	0	20	0.088	1	MASAFSK + Phospho (ST)
210	530.7800	1059.5454	1059.4638	0.0817	0	20	0.42	1	QFAEGSTLK + Phospho (ST)
59	437.7800	873.5454	873.4920	0.0535	0	20	0.39	1	VGTVIGSNK
211	530.7800	1059.5454	1059.5825	-0.0371	1	20	0.42	1	LLEGPRYGR
144	506.7100	1011.4054	1011.4209	-0.0154	1	19	0.42	1	RSVCADPK + Phospho (ST)
766	605.8200	1814.4382	1814.5689	-0.1307	2	19	0.4	1	HKHRSSGGGSSGGER + 4 Phospho (ST)
208	530.7800	1059.5454	1059.5560	-0.0106	1	19	0.46	1	LNKDNDTLK
514	713.0400	1424.0654	1423.7337	0.3318	2	19	0.24	1	RQFPSKEALIR + Phospho (ST)
523	488.7300	1463.1682	1462.8251	0.3431	2	19	0.18	1	MLKEVQMLKALK + 2 Oxidation (M)
128	484.7400	967.4654	967.4611	0.0044	0	19	0.39	1	DEYALTTR
22	413.1400	824.2654	824.4157	-0.1502	1	19	0.35	1	LKSIER + Phospho (ST)
64	440.2100	878.4054	878.3245	0.0810	0	19	0.42	1	CESYLK + Phospho (Y)
224	534.7600	1067.5054	1067.3817	0.1237	0	19	0.45	1	FGTCTMQK + Oxidation (M); Phospho (ST)
811	677.3000	2028.8782	2028.8603	0.0178	1	19	0.69	1	AGVYKLTGAIMHYGNMK + Oxidation (M); Phospho (ST); Phospho (Y)
273	387.7900	1160.3482	1160.6401	-0.2919	2	19	0.55	1	KLEKEQTGTK
737	587.7600	1760.2582	1759.8886	0.3695	1	18	0.34	1	KNCAILIENDQSISR
117	465.8100	929.6054	929.5334	0.0720	1	18	0.5	1	WAGKDILK
451	449.9100	1346.7082	1346.3402	0.3679	0	18	0.6	1	EYTMSWMK + 2 Oxidation (M); 2 Phospho (ST); Phospho (Y)
218	530.8000	1059.5854	1059.5560	0.0294	1	18	0.58	1	LNKDNDTLK
413	438.8200	1313.4382	1313.6873	-0.2491	2	18	0.64	1	KLKLPSVLTR + 2 Phospho (ST)
1	387.7900	773.5654	773.4283	0.1372	1	18	0.57	1	EGAEKIK
258	563.2700	1124.5254	1124.5591	-0.0336	1	18	0.64	1	LGLERGTTAK + Phospho (ST)
62	438.8200	875.6254	875.5480	0.0774	1	18	0.48	1	KVLFELK
214	530.7900	1059.5654	1059.5560	0.0094	1	18	0.65	1	LNKDNDTLK
736	587.7600	1760.2582	1759.8886	0.3695	1	18	0.39	1	KNCAILIENDQSISR
159	519.2400	1036.4654	1036.5342	-0.0687	0	18	0.57	1	TYWLLGER
599	522.2500	1563.7282	1563.6192	0.1090	1	18	0.74	1	TLNGGSGAGGSRSAGR + 2 Phospho (ST)
651	536.8100	1607.4082	1607.7912	-0.3830	1	18	0.65	1	SQARQSLAMGVWMK + Oxidation (M)
102	457.7500	913.4854	913.4869	-0.0014	0	18	0.55	1	IHLSSETK
639	530.7900	1589.3482	1589.5851	-0.2370	0	18	0.52	1	CSSADGLDGPTMGAR + Oxidation (M); Phospho (ST)
189	526.8400	1051.6654	1051.5550	0.1105	0	17	0.59	1	YSLTNDIVK
835	702.3600	2104.0582	2103.7783	0.2798	0	17	1	1	NSPSNLSSSSETGSGGGTYR + 2 Phospho (ST)
407	433.1100	1296.3082	1296.6187	-0.3105	2	17	0.66	1	DRTQELRTAK + Phospho (ST)
199	530.7600	1059.5054	1059.5560	-0.0506	1	17	0.75	1	LNKDNDTLK
163	519.2700	1036.5254	1036.5342	-0.0087	0	17	0.66	1	TYWLLGER
322	398.7700	1193.2882	1193.3751	-0.0869	0	17	0.75	1	SSHSSSSGNGK + 2 Phospho (ST)
814	680.6500	2038.9282	2039.0598	-0.1317	2	17	1	1	TILTTEDRIRKPLMTR + Oxidation (M); Phospho (ST)
12	409.2600	816.5054	816.4031	0.1023	0	17	0.73	1	FTAHWR
746	587.7700	1760.2882	1759.8886	0.3995	1	17	0.44	1	KNCAILIENDQSISR
37	429.1900	856.3654	856.3440	0.0215	0	17	0.64	1	SQTNTAR + Phospho (ST)
251	557.8300	1113.6454	1113.5293	0.1161	1	17	0.79	1	APYPKMSLK + Phospho (ST)
202	530.7700	1059.5254	1059.5560	-0.0306	1	17	0.83	1	LNKDNDTLK
596	521.8300	1562.4682	1562.7705	-0.3024	0	17	0.87	1	LGALTQGTPAGTAPTK + Phospho (ST)
393	429.2200	1284.6382	1284.5646	0.0736	1	17	0.89	1	QSARMTPSVGR + Oxidation (M); Phospho (ST)
302	587.7600	1173.5054	1173.5431	-0.0377	1	17	0.86	1	KEGGTVVYGGK + Phospho (ST)
550	504.7700	1511.2882	1511.5096	-0.2214	1	17	0.5	1	SYSVGASGSSSRK + 2 Phospho (ST); Phospho (Y)
728	587.7500	1760.2282	1759.8886	0.3395	1	17	0.57	1	KNCAILIENDQSISR
743	587.7700	1760.2882	1759.8886	0.3995	1	17	0.5	1	KNCAILIENDQSISR
822	686.3500	2056.0282	2055.9585	0.0697	0	16	1.2	1	CWAEDPQERPPFQQIR
900	915.3600	2743.0582	2742.8731	0.1850	0	16	1.4	1	ETSSLQEQADILYMLYTMK + 4 Phospho (ST); 2 Phospho (Y)
636	530.7900	1589.3482	1589.5664	-0.2182	0	16	0.67	1	QASSDSDSILSLK + 3 Phospho (ST)
276	387.8100	1160.4082	1160.5979	-0.1897	0	16	0.92	1	WPQGFGQLTK
778	613.8700	1838.5882	1838.8468	-0.2587	1	16	1.2	1	RQEAEELEGYCSQLK

☐	387	429.1900	1284.5482	1284.5646	-0.0164	1	16	1	1	QSARMTPSVGR + Oxidation (M); Phospho (ST)
☐	157	519.2400	1036.4654	1036.5342	-0.0687	0	16	0.84	1	TYWLLGER
☐	305	587.7600	1173.5054	1173.6540	-0.1485	1	16	1	1	LIKPMKDGTR + Oxidation (M)
☐	398	430.1000	1287.2782	1287.6336	-0.3554	2	16	0.8	1	SKQRLNFTSK + Phospho (ST)
☐	464	455.3200	1362.9382	1362.6140	0.3242	2	16	0.83	1	SKSSTGTSSSAKR + Phospho (ST)
☐	823	687.0500	2058.1282	2057.9167	0.2115	2	16	1.3	1	YRRQQGAEELLDEESR + Phospho (Y)
☐	898	911.4900	2731.4482	2731.3663	0.0819	1	16	1.3	1	GNIKVLMATNRPDTLDPALMRPGR + Oxidation (M); Phospho (ST)
☐	582	519.2900	1554.8482	1554.6224	0.2258	0	16	1.1	1	MTTSTSPAAMLLR + Oxidation (M); 2 Phospho (ST)
☐	731	587.7500	1760.2282	1759.8886	0.3395	1	16	0.71	1	KNCAILIENDQSISR
☐	470	457.3000	1368.8782	1368.7067	0.1714	0	16	1.1	1	FPHVSALLLHR + Phospho (ST)
☐	697	566.6200	1696.8382	1696.8032	0.0349	1	16	1.3	1	NVTNNLKSLEAASEK + Phospho (ST)
☐	686	557.8300	1670.4682	1670.6759	-0.2078	1	16	1.1	1	ASSSSPYSRMPSYR + Oxidation (M); Phospho (ST)
☐	594	521.7700	1562.2882	1562.6241	-0.3359	1	16	0.51	1	VKVSEAGYYTMR + 2 Phospho (ST)
☐	394	429.2400	1284.6982	1284.5963	0.1019	0	16	1.2	1	QVSTLINSTDK + Phospho (ST)
☐	365	415.9200	1244.7382	1244.5115	0.2267	0	15	1.2	1	TYGFFSTASGK + Phospho (ST)
☐	460	680.6500	1359.2854	1359.6306	-0.3452	0	15	0.86	1	EEAQQLWEAEK
☐	726	587.7400	1760.1982	1759.8886	0.3095	1	15	0.92	1	KNCAILIENDQSISR
☐	758	602.3000	1803.8782	1803.7724	0.1058	1	15	1.6	1	DNHKDCSGVSVHLTR + Phospho (ST)
☐	445	449.1300	1344.3682	1344.3842	-0.0160	0	15	1.2	1	QFQSSSTLK + 4 Phospho (ST)
☐	390	429.2100	1284.6082	1284.4537	0.1545	0	15	1.3	1	QFSSASSQQR + 2 Phospho (ST)
☐	868	769.3000	2304.8782	2304.9457	-0.0675	0	15	1.7	1	AEAMLGPSLSPGQDSEGDSSYK + Phospho (Y)
☐	855	742.3300	2223.9682	2223.9749	-0.0067	2	15	1.6	1	MGVQVETISSGDGRTFPKR + 2 Phospho (ST)
☐	600	522.5900	1564.7482	1564.8742	-0.1260	0	15	1.4	1	IITGPAPVLPPAALR + Phospho (ST)
☐	899	912.4200	2734.2382	2734.2018	0.0364	2	15	1.9	1	RMDEQRVDLAGSPDQEASGLPDPR + Oxidation (M); Phospho (ST)
☐	374	419.8100	1256.4082	1256.5915	-0.1833	0	15	1.2	1	LGFTVTVGNNR + Phospho (ST)
☐	826	688.3100	2061.9082	2062.0252	-0.1170	1	15	1.8	1	MEEEIRQQSDEVLTVIK + Oxidation (M)
☐	879	804.7100	2411.1082	2410.8378	0.2704	1	15	1.8	1	ITDLKSGCTSLTPGPNCDR + 4 Phospho (ST)
☐	345	410.9800	1229.9182	1229.6880	0.2301	1	15	0.94	1	ARGISPIVFDR
☐	830	696.3000	2085.8782	2085.9296	-0.0514	0	15	1.7	1	ISEYINVENEAPWVTDK + Phospho (ST)
☐	740	587.7600	1760.2582	1759.8886	0.3695	1	15	0.74	1	KNCAILIENDQSISR
☐	182	522.2400	1042.4654	1042.5560	-0.0905	0	15	1.2	1	HSLLVGDFR
☐	97	454.5500	907.0854	907.3661	-0.2807	1	15	0.82	1	RSESGHR + Phospho (ST)
☐	858	748.4000	2242.1782	2242.0062	0.1720	1	15	1.7	1	TAVVPRPPAPAGALRESTGR + 3 Phospho (ST)
☐	431	443.2600	1326.7582	1326.6082	0.1500	1	15	1.3	1	RQSSVFPSPSR + Phospho (ST)
☐	649	536.3000	1605.8782	1605.5627	0.3155	0	15	1.5	1	AVTPSHTGAPTDGR + 3 Phospho (ST)
☐	292	587.7400	1173.4654	1173.5617	-0.0963	1	15	1.4	1	KAFLSGICAK + Phospho (ST)
☐	116	465.7700	929.5254	929.5334	-0.0080	1	15	1.2	1	WAGKDILK
☐	191	527.6900	1053.3654	1053.4033	-0.0379	0	15	1.1	1	MDGTASEDGR + Oxidation (M)
☐	436	445.0700	1332.1882	1332.5701	-0.3819	2	15	0.59	1	GGRIGASSAKGGR + 2 Phospho (ST)
☐	892	859.8700	2576.5882	2576.1942	0.3940	2	15	1.2	1	METKGGTVKAASGFNATEDAQVLR + Oxidation (M); Phospho (ST)
☐	762	605.3300	1812.9682	1812.9499	0.0183	1	15	1.9	1	ADLAVAPLTITHVREK + Phospho (ST)
☐	567	513.2800	1536.8182	1536.7773	0.0408	2	15	1.6	1	KPPSATRTSKTQR + Phospho (ST)
☐	779	619.3400	1854.9982	1854.8183	0.1799	0	14	1.9	1	SLQSLEASLHAMESTR + Oxidation (M); Phospho (ST)
☐	715	581.2300	1740.6682	1740.8560	-0.1878	1	14	1.7	1	KIIDNNGFLGSGTLGR + Phospho (ST)
☐	680	555.3400	1662.9982	1662.7338	0.2644	0	14	1.7	1	LAQENGWGVMVSHR + Phospho (ST)
☐	410	437.7800	1310.3182	1310.5254	-0.2072	0	14	1.3	1	YCFGVEDTLK + Phospho (ST)
☐	203	530.7700	1059.5254	1059.4638	0.0617	0	14	1.5	1	QFAEGSTLK + Phospho (ST)
☐	564	511.6500	1531.9282	1531.7160	0.2121	1	14	1.6	1	RTDSLSSLRPIK + 2 Phospho (ST)
☐	846	722.3600	2164.0582	2163.7693	0.2889	2	14	1.9	1	SKSDATASISLSSNLKR + 5 Phospho (ST)
☐	4	389.2400	776.4654	776.4181	0.0474	0	14	1	1	FNEIVR
☐	904	1020.4500	3058.3282	3058.3603	-0.0321	1	14	2.4	1	ASIISELSSKLQQFGGSSTAGGALPWAR + 3 Phospho (ST)
☐	708	574.3100	1719.9082	1719.7725	0.1357	0	14	1.7	1	MACARPLISVYSEK + Oxidation (M); Phospho (ST)
☐	584	519.3100	1554.9082	1554.6732	0.2350	1	14	1.6	1	LKSESVETSLFR + 2 Phospho (ST)
☐	866	759.3400	2274.9982	2275.0892	-0.0911	2	14	2.3	1	QGHNLLKMTTAPRGLQSGDR + Oxidation (M); Phospho (ST)
☐	209	530.7800	1059.5454	1059.5560	-0.0106	0	14	1.5	1	LLQDISDTR
☐	843	713.3400	2136.9982	2137.1505	-0.1523	2	14	2.2	1	RFSHSGNQLDGPITAIRIR
☐	94	453.3200	904.6254	904.3093	0.3162	0	14	1.3	1	SADISPR + 2 Phospho (ST)
☐	437	445.1000	1332.2782	1332.5567	-0.2785	0	14	1.2	1	NMAVGITSMASR + Oxidation (M); Phospho (ST)
☐	396	429.9400	1286.7982	1286.4850	0.3132	0	14	1.5	1	QPGMGATDTEGK + Oxidation (M); Phospho (ST)
☐	346	411.0600	1230.1582	1229.7642	0.3940	2	14	0.62	1	VMRLVKLLSR + Oxidation (M)
☐	601	523.3000	1566.8782	1566.6705	0.2077	1	14	1.8	1	SSVRHAQPSPVSR + 2 Phospho (ST)
☐	197	530.7600	1059.5054	1059.5560	-0.0506	0	14	1.6	1	LLQDISDTR
☐	215	530.7900	1059.5654	1059.5518	0.0136	0	14	1.6	1	LLYGFLVR + Phospho (Y)
☐	706	573.2500	1716.7282	1716.9522	-0.2241	1	14	2	1	NHSIILSAPNPEGKIK
☐	712	581.2100	1740.6082	1740.8005	-0.1923	1	14	1.8	1	KADMLESIAVGIDDGK + Phospho (ST)
☐	279	581.2400	1160.4654	1160.5785	-0.1131	1	14	1.6	1	RISATAEDGNK
☐	261	565.2900	1128.5654	1128.6325	-0.0670	1	14	1.6	1	LKVMLADSPR
☐	739	587.7600	1760.2582	1759.8886	0.3695	1	14	0.95	1	KNCAILIENDQSISR
☐	15	411.0900	820.1654	820.3245	-0.1591	1	14	1.2	1	AVRSTK + 2 Phospho (ST)
☐	283	389.2400	1164.6982	1164.4489	0.2493	0	14	1.5	1	DFYPGTTER + Phospho (ST)
☐	629	530.7700	1589.2882	1589.6051	-0.3170	1	14	0.79	1	TDEPAKYTAYSGK + 2 Phospho (ST)
☐	139	504.7700	1007.5254	1007.5070	0.0185	1	14	1.4	1	RQMSLTEK + Oxidation (M)
☐	752	592.2200	1773.6382	1773.7835	-0.1454	1	14	2.1	1	YAGLLFSSRSDAHDR + Phospho (ST)
☐	508	471.1800	1410.5182	1410.4030	0.1152	0	14	1.9	1	YSSDEDLQSK + 2 Phospho (ST); Phospho (Y)
☐	213	530.7900	1059.5654	1059.5560	0.0094	0	14	1.6	1	LLQDISDTR
☑	418	440.2900	1317.8482	1317.5602	0.2880	0	14	1.6	1	FQSEQAAGSVSK + Phospho (ST)

☐	127	478.2800	954.5454	954.4252	0.1203	0	14	1.4	1	AYAYLFK + Phospho (Y)
☐	274	581.2100	1160.4054	1160.5785	-0.1731	1	14	1.7	1	RISATAEDGNK
☐	773	608.2800	1821.8182	1821.8397	-0.0215	2	14	2.3	1	ESALLYDKEKSSASSK + Phospho (ST)
☐	761	605.3000	1812.8782	1812.7601	0.1181	0	14	2.3	1	ENDEIEAGIDGVVSMR + Phospho (ST)
☐	105	457.7800	913.5454	913.4869	0.0586	0	14	1.4	1	IHLSSETK
☐	719	584.9800	1751.9182	1751.8194	0.0987	2	14	2.1	1	KLIIVASQDMRYR + Phospho (ST); Phospho (Y)
☐	684	556.8400	1667.4982	1667.5076	-0.0094	0	14	2	1	SESTEMAVSTQDK + Oxidation (M); 3 Phospho (ST)
☐	896	894.4000	2680.1782	2679.9335	0.2447	2	14	2.7	1	SGLTTDDDAMSEMKMGRYWSK + 2 Oxidation (M); 3 Phospho (ST)
☐	742	587.7700	1760.2882	1759.8886	0.3995	1	14	0.98	1	KNCAILIENDQSISR
☐	885	821.4200	2461.2382	2460.9545	0.2837	1	14	2.4	1	DSYLILETLPTEYDSRVK + 3 Phospho (ST); Phospho (Y)
☐	503	469.2300	1404.6682	1404.5687	0.0995	0	14	2	1	TNATLSLEPGSR + 2 Phospho (ST)
☐	729	587.7500	1760.2282	1759.8886	0.3395	1	14	1.2	1	KNCAILIENDQSISR
☐	277	581.2200	1160.4254	1160.5785	-0.1531	1	14	1.7	1	RISATAEDGNK
☐	275	581.2100	1160.4054	1160.5785	-0.1731	1	14	1.8	1	RISATAEDGNK
☐	89	449.2300	896.4454	896.4716	-0.0261	1	13	1.4	1	GDKAHIEK
☐	195	530.7600	1059.5054	1059.5518	-0.0464	0	13	1.8	1	LLYGFLVR + Phospho (Y)
☐	581	519.2800	1554.8182	1554.8154	0.0028	0	13	2	1	NQIALWDQLLEGR
☐	74	443.2600	884.5054	884.4967	0.0087	0	13	1.4	1	SLPSAPVSK
☐	205	530.7700	1059.5254	1059.5518	-0.0264	0	13	1.8	1	LLYGFLVR + Phospho (Y)
☐	412	438.7400	1313.1982	1313.5145	-0.3164	0	13	0.87	1	VCGDTCVPAAGK + Phospho (ST)
☐	692	563.2500	1686.7282	1686.8664	-0.1383	1	13	2.2	1	EMFGGLHHFKLVTR + Oxidation (M)
☐	41	429.2200	856.4254	856.3440	0.0815	0	13	1.5	1	SQTNTAR + Phospho (ST)
☐	310	587.7700	1173.5254	1173.6159	-0.0904	0	13	1.9	1	LLDTLPLPGR + Phospho (ST)
☐	438	445.1200	1332.3382	1332.6860	-0.3478	1	13	1.9	1	VCEAVPGAKGAFK
☐	495	465.7700	1394.2882	1394.5414	-0.2533	1	13	1.3	1	RMDASASAATVR + 2 Phospho (ST)
☐	652	537.2700	1608.7882	1608.7371	0.0510	0	13	2.1	1	ELSPGVFGPMPNLR + Oxidation (M); Phospho (ST)
☐	873	790.3400	2367.9982	2368.0963	-0.0981	0	13	2.5	1	NMYSEPSHLLYLLEHIWK + Oxidation (M); Phospho (ST)
☐	456	453.3200	1356.9382	1356.5549	0.3832	2	13	1.7	1	SAAKKSEMAFK + 2 Phospho (ST)
☐	354	413.1400	1236.3982	1236.5864	-0.1882	1	13	1.8	1	TVKDVTPQNR + Phospho (ST)
☐	880	807.9200	2420.7382	2421.0995	-0.3614	0	13	2	1	LTVGAENPGCQAVPSAAVTASGER + Phospho (ST)
☐	901	933.9000	2798.6782	2798.3860	0.2922	1	13	1.6	1	SRPVMVLTELMELGPLDSFLRQR + 2 Oxidation (M); Phospho (ST)
☐	853	738.9700	2213.8882	2213.6815	0.2067	1	13	2.7	1	SLYDLYTRTTSLSSK + 5 Phospho (ST); Phospho (Y)
☐	361	622.3000	1242.5854	1242.5870	-0.0016	1	13	1.8	1	QLSGQRFTAR + Phospho (ST)
☐	221	532.2800	1062.5454	1062.5683	-0.0228	0	13	1.7	1	HRPQEQLR
☐	303	587.7600	1173.5054	1173.4144	0.0910	0	13	2	1	QYFQTAEK + Phospho (ST); Phospho (Y)
☐	198	530.7600	1059.5054	1059.5825	-0.0771	1	13	1.9	1	LLEGPRYGR
☐	219	530.8100	1059.6054	1059.5859	0.0196	2	13	2	1	LLCDQKRK
☐	455	451.9000	1352.6782	1352.6887	-0.0105	1	13	2.1	1	KLIIVASQDMR + Phospho (ST)
☐	298	587.7600	1173.5054	1173.5617	-0.0563	0	13	2	1	MILLAFSSGR + Phospho (ST)
☐	785	623.2300	1866.6682	1866.9465	-0.2783	2	13	2.5	1	RRSGGLPPQPPVLEER + Phospho (ST)
☐	206	530.7700	1059.5254	1059.5560	-0.0306	0	13	2	1	LLQDISDTR
☐	296	587.7500	1173.4854	1173.6618	-0.1764	1	13	2	1	ELLNRIFNR
☐	722	587.7000	1760.0782	1759.7947	0.2835	0	13	2.1	1	ISPPPSGVLTPPHSSK + 2 Phospho (ST)
☐	753	592.2300	1773.6682	1773.8219	-0.1538	2	13	2.6	1	DLSAKETKTLMAAGDK + Oxidation (M); Phospho (ST)
☐	499	466.3000	1395.8782	1395.5697	0.3085	2	13	2	1	AREAFNSGKTR + 2 Phospho (ST)
☐	794	633.2200	1896.6382	1896.8805	-0.2423	1	13	2.5	1	MHELGGISVTYNPKGSK + Phospho (ST)
☐	38	429.2100	856.4054	856.3440	0.0615	0	13	1.6	1	SQTNTAR + Phospho (ST)
☐	267	573.2100	1144.4054	1144.6452	-0.2397	1	13	1.9	1	TDKELIATVR
☐	749	588.2400	1761.6982	1761.8103	-0.1122	1	13	2.5	1	TSRDIEVQGFLIPK + 2 Phospho (ST)
☐	696	565.2900	1692.8482	1692.6637	0.1844	0	13	2.5	1	FTGDSGIEVCVCNR + Phospho (ST)
☐	443	447.7500	1340.2282	1340.5697	-0.3415	0	13	1.3	1	EHMQPTHPIR + Oxidation (M); Phospho (ST)
☐	569	516.3000	1545.8782	1545.6299	0.2482	0	13	2.4	1	CQASTIVSPAPGAK + 2 Phospho (ST)
☐	690	562.3200	1683.9382	1683.9573	-0.0191	1	13	2.6	1	QVHLSRGVFPLLYR
☐	856	747.3500	2239.0282	2239.0257	0.0025	1	13	3.2	1	EEATKEVAEPQTTSLEELR + Phospho (ST)
☐	847	728.8100	2183.4082	2183.0268	0.3814	2	13	1.6	1	MNFLERMKNTGVYLISR + 2 Oxidation (M); Phospho (Y)
☐	496	465.8100	1394.4082	1394.7031	-0.2949	2	13	2.2	1	GTVDARTAQKLR + Phospho (ST)
☐	26	415.7100	829.4054	829.4518	-0.0464	2	13	1.8	1	ADKNRAR
☐	895	891.4000	2671.1782	2671.2160	-0.0378	1	13	3.4	1	GKAPVLPSSQSSAVSSVTTSVTTIK + 3 Phospho (ST)
☐	280	388.7400	1163.1982	1163.4934	-0.2952	0	13	1.6	1	YGVTMEQIK + Oxidation (M); Phospho (ST)
☐	648	534.7600	1601.2582	1601.5933	-0.3351	2	13	0.9	1	ETSETDTKEMKK + Oxidation (M); 2 Phospho (ST)
☐	391	429.2200	1284.6382	1284.6479	-0.0097	1	13	2.3	1	KQVLESFQVK + Phospho (ST)
☐	841	707.6800	2120.0182	2120.0797	-0.0615	2	13	3	1	NLTQPKGALLDGTSRFSCR
☐	61	438.7400	875.4654	875.4014	0.0640	0	13	1.7	1	NVLHSAR + Phospho (ST)
☐	358	414.2600	1239.7582	1239.5319	0.2263	0	13	2.1	1	ASPCGGGGSALVK + Phospho (ST)
☐	641	530.8000	1589.3782	1589.5851	-0.2070	0	13	1.9	1	CSSADGLDGPTMGAR + Oxidation (M); Phospho (ST)
☐	288	587.7000	1173.3854	1173.6158	-0.2304	0	13	2.3	1	LEILQIHTK + Phospho (ST)
☐	744	587.7700	1760.2882	1759.9581	0.3301	2	13	1.3	1	QIKTISGKTPQQFER
☐	589	521.1800	1560.5182	1560.4701	0.0481	0	13	2.5	1	TSTPTGHGASPTK + 4 Phospho (ST)
☐	44	429.2400	856.4654	856.3440	0.1215	0	13	1.8	1	SQTNTAR + Phospho (ST)
☐	207	530.7800	1059.5454	1059.5825	-0.0371	1	12	2.2	1	LLEGPRYGR
☐	556	506.7100	1517.1082	1516.8167	0.2915	0	12	1.2	1	LVPGWTKPITIGR + Phospho (ST)
☐	149	511.2800	1020.5454	1020.4827	0.0627	2	12	2.1	1	YMTVKKR + Oxidation (M); Phospho (ST)
☐	507	470.7700	1409.2882	1409.6609	-0.3727	0	12	1.6	1	GVDSGLYLGMNER
☐	250	557.6100	1113.2054	1113.5141	-0.3086	0	12	1.7	1	LANITVMEK + Oxidation (M); Phospho (ST)
☐	293	587.7400	1173.4654	1173.3450	0.1204	0	12	2.4	1	SEYMEGGNK + Phospho (ST); Phospho (Y)
☑	795	634.3800	1900.1182	1899.8281	0.2901	0	12	2.6	1	AHTLLSPPSASNATFAR + 2 Phospho (ST)

555	759.3400	1516.6654	1516.8725	-0.2071	2	12	2.6	1	GLKYLTSKGPGAGLR
905	1020.9400	3059.7982	3059.4763	0.3219	2	12	2.3	1	LQKLNSEGELVDCGTSAQKLLSLLQR + 2 Phospho (ST)
888	829.9200	2486.7382	2486.9715	-0.2333	1	12	2.1	1	TSCLYNDPEMTSMEKDIDMK + Phospho (ST)
672	548.3000	1641.8782	1641.5313	0.3469	1	12	3	1	AASTSSMGTLPKR + Oxidation (M); 4 Phospho (ST)
767	605.8400	1814.4982	1814.7811	-0.2830	0	12	2.7	1	HVNFNGSAGTPVMFNK + Oxidation (M); Phospho (ST)
646	532.3200	1593.9382	1593.6875	0.2507	0	12	2.6	1	LSATTMVAVTVADR + 2 Phospho (ST)
395	429.4500	1285.3282	1285.5442	-0.2160	2	12	2.3	1	TSHSVGRRAR + 2 Phospho (ST)
392	429.2200	1284.6382	1284.4537	0.1845	0	12	2.5	1	QFSSASSQQR + 2 Phospho (ST)
114	465.7300	929.4454	929.3678	0.0777	0	12	2.1	1	SSSGMPIR + Oxidation (M); Phospho (ST)
777	915.3600	1828.7054	1828.7580	-0.0525	1	12	3	1	AKAGAGSATLSMAYAGAR + Oxidation (M); 2 Phospho (ST)
756	599.2900	1794.8482	1794.9999	-0.1517	2	12	2.9	1	GVAMVTAVAARLATHRR + Oxidation (M)
586	519.9900	1556.9482	1556.7028	0.2454	0	12	2.6	1	EISMEDEATTLFR + Oxidation (M)
222	532.3200	1062.6254	1062.5743	0.0511	0	12	2.1	1	SCILVSISGK
141	505.2300	1008.4454	1008.4625	-0.0170	1	12	2	1	RDYEVDGR
278	581.2300	1160.4454	1160.6223	-0.1769	1	12	2.4	1	KGDIMTVLER
384	429.0000	1283.9782	1283.5832	0.3950	0	12	1.5	1	AIEMLGGELGSK + Phospho (ST)
870	775.3300	2322.9682	2323.0531	-0.0849	0	12	3.7	1	FTSLLVATLTYPSHCCAFR + Phospho (ST)
153	513.2800	1024.5454	1024.5318	0.0136	1	12	2	1	KIVTTDLR + Phospho (ST)
727	587.7400	1760.1982	1759.8886	0.3095	1	12	1.9	1	KNCAILIENDQSISR
745	587.7700	1760.2882	1759.8886	0.3995	1	12	1.4	1	KNCAILIENDQSISR
565	511.9500	1532.8282	1532.5177	0.3105	0	12	2.9	1	SMVAVMDSDTTGK + 2 Oxidation (M); 2 Phospho (ST)
463	455.2700	1362.7882	1362.4577	0.3304	0	12	2.5	1	AFHTHTCSSR + 2 Phospho (ST)
517	478.2800	1431.8182	1431.6857	0.1325	0	12	2.7	1	LFFQPYQAGMSK + Oxidation (M)
642	530.8100	1589.4082	1589.7854	-0.3773	1	12	2.5	1	LLEVYDQLFKSR + Phospho (ST)
563	511.3000	1530.8782	1530.6231	0.2550	0	12	2.5	1	SNYPDMHSYMVR + 2 Oxidation (M)
399	430.8300	1289.4682	1289.5145	-0.0463	0	12	2.5	1	MIDMLAANSGR + 2 Oxidation (M); Phospho (ST)
401	430.9700	1289.8882	1289.6398	0.2484	2	12	2.1	1	SRSPECPKTTK
717	582.7500	1745.2282	1744.9545	0.2737	0	12	1.5	1	LLGLTLVGLVLALYK + Phospho (ST); Phospho (Y)
50	430.9700	859.9254	860.2718	-0.3464	0	12	0.39	1	SSPPEGK + 2 Phospho (ST)
147	509.9500	1017.8854	1017.5138	0.3717	1	12	1.3	1	MGGLQNSRR
677	550.3400	1647.9982	1647.7423	0.2559	0	12	2.8	1	GLSSKPSFPTAQLR + 2 Phospho (ST)
570	516.6900	1547.0482	1546.6810	0.3671	2	12	1.9	1	SRTATEGDIRMSK + Oxidation (M); Phospho (ST)
40	429.2100	856.4054	856.3552	0.0502	1	12	2	1	RASSGGSR + Phospho (ST)
660	544.2700	1629.7882	1629.5167	0.2715	0	12	3.2	1	ESTTVSPSYIAR + 4 Phospho (ST)
233	544.2700	1086.5254	1086.5587	-0.0332	1	12	2.6	1	RFTLTTLR + Phospho (ST)
350	411.3000	1230.8782	1230.5897	0.2885	0	12	2.1	1	TITVGVYEAAK + Phospho (ST)
522	728.8100	1455.6054	1455.8422	-0.2368	1	12	2.9	1	RPYGRNKPLISR
347	411.0900	1230.2482	1230.5159	-0.2677	1	12	2	1	STTPSLPGRR + 2 Phospho (ST)
732	587.7600	1760.2582	1759.8995	0.3586	2	12	1.5	1	RPAGVRGHFKVVDSR + Phospho (ST)
829	691.6600	2071.9582	2071.8752	0.0830	0	12	3.5	1	SSVQPPTPTSISTSSPDPK + 2 Phospho (ST)
368	417.1500	1248.4282	1248.5248	-0.0966	1	12	2.6	1	GEPGSPAGRGER + Phospho (ST)
788	625.9900	1874.9482	1874.9446	0.0036	2	12	3.3	1	EREIQSITDESRGSIR
91	449.2400	896.4654	896.5304	-0.0650	2	12	2.1	1	SKHLRTR
608	790.3400	1578.6654	1578.7113	-0.0459	1	12	3	1	VLMSSKYADGVTGR + Oxidation (M); Phospho (Y)
628	530.7700	1589.2882	1589.6756	-0.3874	1	12	1.3	1	SASQASKEMEALSR + Oxidation (M); Phospho (ST)
903	1001.3700	3001.0882	3001.4075	-0.3193	2	12	4	1	WSAPTAVRPMARVSANAYFTIKFNK + Oxidation (M); Phospho (ST); Phospho (Y)
704	573.2100	1716.6082	1716.8101	-0.2019	0	12	3.4	1	LLEASADANIQDNMGR
333	605.8200	1209.6254	1209.4502	0.1753	0	12	2.6	1	MAIQTQQSK + Oxidation (M); 2 Phospho (ST)
580	519.2800	1554.8182	1554.7475	0.0706	1	12	3	1	FMDPKNMFAIWR
294	587.7500	1173.4854	1173.5617	-0.0763	1	12	2.8	1	KAFLSGICAK + Phospho (ST)
140	505.2300	1008.4454	1008.4625	-0.0170	1	12	2.3	1	RDYEVDGR
797	641.3600	1921.0582	1920.9393	0.1188	2	12	3.5	1	RGGTWKLLGSAICAHSK + Phospho (ST)
839	705.0000	2111.9782	2112.0405	-0.0623	2	12	4.1	1	ETPSRELKVLDGLWSFR + Phospho (ST)
363	415.7100	1244.1082	1244.5009	-0.3928	0	11	0.84	1	GTLGGSNCPFR + Phospho (ST)
553	505.2400	1512.6982	1512.5391	0.1591	0	11	3.2	1	SMIALMDTDGSGR + 2 Phospho (ST)
43	429.2200	856.4254	856.3440	0.0815	0	11	2.3	1	SQTNTAR + Phospho (ST)
488	464.2700	1389.7882	1389.7129	0.0752	1	11	3.1	1	ARGPDSNVLLLR + Phospho (ST)
576	519.2600	1554.7582	1554.7807	-0.0225	0	11	3.1	1	LTAGNALTFLGLER + Phospho (ST)
369	417.2600	1248.7582	1248.5921	0.1661	0	11	2.8	1	SFMNTIHDIR + Oxidation (M)
848	734.8600	2201.5582	2201.8336	-0.2755	1	11	2	1	SLSNVGDPEIIKSPSDPK + 4 Phospho (ST)
614	528.9800	1583.9182	1583.6633	0.2548	0	11	3.1	1	QLYSASTEGLLSR + 2 Phospho (ST)
821	683.8200	2048.4382	2048.0680	0.3702	2	11	1.6	1	EHAALEPRHLGGRAIITK + Phospho (ST)
566	769.3000	1536.5854	1536.7735	-0.1881	1	11	3.3	1	IVSSILRMPSPGGK + Oxidation (M); Phospho (ST)
27	415.9200	829.8254	829.4294	0.3961	0	11	1.2	1	ESSAIPAR
458	453.8800	1358.6182	1358.5686	0.0496	1	11	3	1	WTVTHPRFR + 2 Phospho (ST)
212	530.7900	1059.5654	1059.5518	0.0136	0	11	2.9	1	LLYGFLVR + Phospho (Y)
878	796.3600	2386.0582	2386.2886	-0.2304	2	11	4	1	AEVRYNPAVIQPRVIAELIR + Phospho (Y)
490	464.6600	1390.9582	1390.7391	0.2191	1	11	2.4	1	CVRILLDPYSR
551	505.2300	1512.6682	1512.6118	0.0563	1	11	3.3	1	MMNTDLSRILK + 2 Oxidation (M); 2 Phospho (ST)
764	605.3500	1813.0282	1813.0349	-0.0067	1	11	3.8	1	LGALLDSSIAIAEVWKK
624	530.7700	1589.2882	1589.5391	-0.2510	0	11	1.4	1	STSISGDMCSLEK + Oxidation (M); 2 Phospho (ST)
908	1055.5500	3163.6282	3163.2646	0.3636	2	11	4.1	1	NNTAKNHPDRGSDTSPEAEASSGGGGVALK + 3 Phospho (ST)
720	585.2900	1752.8482	1752.8461	0.0021	2	11	3.4	1	NRYKNILPFDHTR + Phospho (ST)
825	688.3100	2061.9082	2061.9393	-0.0311	1	11	4.4	1	AMDMRSPVLSTLLPSLR + Oxidation (M); 2 Phospho (ST)
534	497.2700	1488.7882	1488.7420	0.0462	0	11	3.2	1	SLSSPTDNLELSAR
435	445.0600	1332.1582	1332.4037	-0.2455	0	11	1	1	VTSVSDQSDR + 3 Phospho (ST)

473	457.7800	1370.3182	1370.5146	-0.1964	1	11	2.4	1	QSSRQLVASR + 3 Phospho (ST)
429	443.1900	1326.5482	1326.5864	-0.0382	2	11	3	1	SRTSKSMTHGR + Phospho (ST)
477	687.3100	1372.6054	1372.6946	-0.0892	1	11	3.5	1	ETVDQVEELRR
400	430.9700	1289.8882	1289.5653	0.3229	0	11	2.7	1	ISTELGYNGTR + Phospho (ST)
578	519.2700	1554.7882	1554.7208	0.0674	0	11	3.4	1	LSHANSAVVLSAVK + 2 Phospho (ST)
585	519.7900	1556.3482	1556.6888	-0.3406	1	11	2.4	1	TSRSYSEILTLK + 2 Phospho (ST)
633	530.7800	1589.3182	1589.5391	-0.2210	0	11	1.9	1	STSISGDMCSLEK + Oxidation (M); 2 Phospho (ST)
698	567.2800	1698.8182	1698.8818	-0.0636	1	11	4	1	IIFRLSGTGSAGATIR + Phospho (ST)
151	511.6500	1021.2854	1021.4594	-0.1739	0	11	2.5	1	AAGAPQVNSK + Phospho (ST)
414	440.1800	1317.5182	1317.5602	-0.0420	0	11	3.3	1	AGSQVEFGTTNK + Phospho (ST)
552	505.2300	1512.6682	1512.7775	-0.1094	1	11	3.6	1	QFLGSVPIMVKSK + Phospho (ST)
695	564.7900	1691.3482	1691.6852	-0.3370	2	11	2	1	KRQSTASSMLDHR + Oxidation (M); 2 Phospho (ST)
479	688.3100	1374.6054	1374.4936	0.1118	1	11	3.2	1	EKGNSTTDNSDQ + Phospho (ST)
35	429.0900	856.1654	856.2439	-0.0784	0	11	2.6	1	TTTCSK + 2 Phospho (ST)
349	411.2000	1230.5782	1230.6145	-0.0364	0	11	3.3	1	INPDHIGFYR
90	449.2300	896.4454	896.4117	0.0338	0	11	2.6	1	VANSGITR + Phospho (ST)
172	520.2800	1038.5454	1038.5532	-0.0077	0	11	3	1	YLSQLLMR + Oxidation (M)
713	581.2100	1740.6082	1740.4946	0.1136	0	11	3.8	1	GYCVSVTSNSGYK + 2 Phospho (ST); 2 Phospho (Y)
561	511.2500	1530.7282	1530.5860	0.1421	1	11	3.5	1	TLSCTNVKSMSK + Oxidation (M); 2 Phospho (ST)
515	713.3400	1424.6654	1424.7826	-0.1171	1	11	3.6	1	LARILLMASTLK + Oxidation (M); Phospho (ST)
381	428.0600	1281.1582	1281.3912	-0.2330	0	11	1.4	1	TDSATANGDDR + 2 Phospho (ST)
462	454.5500	1360.6282	1360.5941	0.0340	1	11	3.5	1	SAQAFTHLKAK + 2 Phospho (ST)
308	587.7700	1173.5254	1173.4144	0.1110	0	11	3.5	1	QYFQTAEK + Phospho (ST); Phospho (Y)
819	683.1300	2046.3682	2046.1027	0.2655	2	11	2.2	1	VHPEPPQIKLEPSKLVR + Phospho (ST)
98	455.2700	908.5254	908.4062	0.1193	0	11	2.7	1	GDYPQAMK
664	545.2700	1632.7882	1632.7883	-0.0001	0	11	4	1	VVPGEEEQTFEIEK
295	587.7500	1173.4854	1173.4988	-0.0134	1	11	3.5	1	KDVESLMEK + Oxidation (M); Phospho (ST)
810	675.3800	2023.1182	2022.8224	0.2957	0	11	4.7	1	TSNSPTPDDELFQTLAK + 2 Phospho (ST)
268	573.2300	1144.4454	1144.5013	-0.0558	1	11	3.2	1	SSKDSDVSIK + Phospho (ST)
360	621.9600	1241.9054	1241.5958	0.3097	0	11	2.7	1	FHYINILSR + Phospho (Y)
750	588.3100	1761.9082	1761.7112	0.1970	0	11	4.1	1	GFGSDSSESMDSGAGSIR + Oxidation (M)
738	587.7600	1760.2582	1759.9168	0.3414	1	11	2.1	1	MAASTASHRPIKGILK + Phospho (ST)
812	680.3300	2037.9682	2038.0479	-0.0797	0	11	4.8	1	LLTLTTFMSHVMSIETAK + Oxidation (M)
860	752.3300	2253.9682	2254.1470	-0.1789	2	11	5	1	LAVYIDRVRSLETENAGLR + Phospho (ST)
432	444.1100	1329.3082	1329.6693	-0.3612	2	10	3.1	1	TKVFLKETER + Phospho (ST)
440	447.2000	1338.5782	1338.5341	0.0441	0	10	3.3	1	DPETGVDNTSPK + Phospho (ST)
760	603.2700	1806.7882	1806.6740	0.1142	2	10	4.6	1	TSLFANRRGSDSEK + 3 Phospho (ST)
487	463.1400	1386.3982	1386.4619	-0.0637	0	10	3.4	1	ATAGTASAGPTSR + 3 Phospho (ST)
73	443.2000	884.3854	884.2314	0.1540	0	10	2.8	1	SDSSSSR + 2 Phospho (ST)
194	530.7300	1059.4454	1059.5002	-0.0547	0	10	3.6	1	IITSDLYR + Phospho (ST)
343	409.2600	1224.7582	1224.5904	0.1678	0	10	3.4	1	AWISTALDLR + Phospho (ST)
673	548.3200	1641.9382	1641.6742	0.2640	1	10	4.5	1	FERHLYNSAAFK + Phospho (ST); Phospho (Y)
148	511.2500	1020.4854	1020.6556	-0.1702	2	10	3.4	1	KKALIVGHR
716	581.2400	1740.6982	1740.8560	-0.1578	1	10	4.3	1	KIIDNNGFLGSGTLGR + Phospho (ST)
591	521.2700	1560.7882	1560.4701	0.3181	0	10	4.2	1	TSTPTGHGASPTK + 4 Phospho (ST)
859	750.9300	2249.7682	2249.9914	-0.2232	1	10	4.9	1	SSPSSGHLRSDAVISSPDDTR + Phospho (ST)
583	519.3000	1554.8782	1554.7708	0.1074	1	10	4	1	ALTYHRIVEAFR + Phospho (ST)
882	818.0000	2450.9782	2451.0502	-0.0720	2	10	6	1	EDQVLSLEGRASDLTCKSQR + 2 Phospho (ST)
217	530.8000	1059.5854	1059.5825	0.0029	1	10	3.8	1	LLEGPRYGR
178	521.7700	1041.5254	1041.5818	-0.0564	0	10	3.3	1	ILDLNVAER
290	587.7400	1173.4654	1173.5617	-0.0963	0	10	3.9	1	MILLAFSSGR + Phospho (ST)
428	443.1600	1326.4582	1326.7408	-0.2826	1	10	3.8	1	DSAFGLLRVPPR
357	413.8200	1238.4382	1238.6271	-0.1890	2	10	3.7	1	TKAPSETKIGK + Phospho (ST)
309	587.7700	1173.5254	1173.6618	-0.1364	1	10	4	1	ELLNRIFNR
588	520.2800	1557.8182	1557.6672	0.1510	0	10	4.7	1	ESSNTDSAGALGTLR + Phospho (ST)
637	530.7900	1589.3482	1589.7338	-0.3856	0	10	2.9	1	TAFQNGTESTIITK + Phospho (ST)
304	587.7600	1173.5054	1173.6540	-0.1485	1	10	4	1	LIKPMKDGTR + Oxidation (M)
513	473.5000	1417.4782	1417.4840	-0.0058	0	10	4.5	1	YDPTIEDSYR + Phospho (ST); Phospho (Y)
306	587.7600	1173.5054	1173.5617	-0.0563	1	10	4	1	KAFLSGICAK + Phospho (ST)
676	549.8300	1646.4682	1646.8644	-0.3962	0	10	4.2	1	TIAIIAEGIPEALTR + Phospho (ST)
707	859.8700	1717.7254	1717.9202	-0.1947	2	10	5	1	KADGVPLPIGMVKSVK + Phospho (ST)
549	756.3500	1510.6854	1510.5581	0.1273	1	10	4.3	1	CNSMQSEYREK + Phospho (ST)
57	433.1100	864.2054	864.3143	-0.1089	0	10	2.9	1	ATATVSR + 2 Phospho (ST)
173	521.1800	1040.3454	1040.4440	-0.0986	0	10	3.4	1	ASPPSHHTK + Phospho (ST)
313	587.7800	1173.5454	1173.5795	-0.0340	1	10	4.1	1	YQSLLTKNK + Phospho (ST)
869	772.3100	2313.9082	2314.0051	-0.0969	1	10	6.1	1	WTSADMMDTYEVRLYLPK + Oxidation (M); Phospho (Y)
80	445.1000	888.1854	888.4106	-0.2252	2	10	3.4	1	SKFKGDK + Phospho (ST)
175	521.2700	1040.5254	1040.5185	0.0069	1	10	3.4	1	AHSCPSVRK
299	587.7600	1173.5054	1173.5617	-0.0563	0	10	4.2	1	MILLAFSSGR + Phospho (ST)
887	821.8900	2462.6482	2462.8981	-0.2499	0	10	3.1	1	KPTDGASSSNCVTDISHLVR + 4 Phospho (ST)
131	491.2700	980.5254	980.4814	0.0440	0	10	3.2	1	TQAYLEEK
442	447.2100	1338.6082	1338.6432	-0.0350	0	10	3.8	1	LLATSQSSDLPK + Phospho (ST)
146	508.3100	1014.6054	1014.4481	0.1574	0	10	4	1	QMPYFGEK + Oxidation (M)
186	523.6700	1045.3254	1045.4246	-0.0992	0	10	3.6	1	GNSTLAVPK + 2 Phospho (ST)
312	587.7700	1173.5254	1173.3814	0.1440	0	10	4.2	1	YSGTLDCAK + Phospho (ST); Phospho (Y)
447	449.2300	1344.6682	1344.6221	0.0461	2	10	4.4	1	MTKTGSKGGNLR + Oxidation (M); Phospho (ST)

☐	478	459.1600	1374.4582	1374.4172	0.0409	2	10	4	1	RYSGKTTSR + 3 Phospho (ST); Phospho (Y)
☐	789	627.4900	1879.4482	1879.6031	-0.1549	1	10	2.8	1	TSAALSTMGSAISRK + 5 Phospho (ST)
☐	481	459.2100	1374.6082	1374.4172	0.1909	2	10	4.1	1	RYSGKTTSR + 3 Phospho (ST); Phospho (Y)
☐	710	578.7200	1733.1382	1732.8375	0.3006	0	10	3.8	1	NLLPSSDPVVMEMASK + Oxidation (M)
☐	579	519.2700	1554.7882	1554.9093	-0.1212	1	10	4.5	1	TGLLIAAGGGGAAKTGIK
☐	317	394.2600	1179.7582	1179.6489	0.1093	2	10	3.9	1	IRISISQKR + Phospho (ST)
☐	493	465.7300	1394.1682	1394.4480	-0.2798	0	10	1.3	1	CDSDSTDCTVR + Phospho (ST)
☐	689	561.3200	1680.9382	1680.6408	0.2973	1	10	4.9	1	SDYHCAVWKIDK + Phospho (ST); Phospho (Y)
☐	252	557.9200	1113.8254	1113.5141	0.3114	0	10	3.5	1	LANITVMEK + Oxidation (M); Phospho (ST)
☐	48	430.1000	858.1854	858.3558	-0.1704	0	10	4.1	1	ISMADVK + Oxidation (M); Phospho (ST)
☐	122	471.1800	940.3454	940.4419	-0.0965	0	10	3.7	1	HITYSIK + Phospho (Y)
☐	34	429.0000	855.9854	856.3262	-0.3408	0	10	1.1	1	MGAASGQR + Phospho (ST)
☐	693	563.2700	1686.7882	1686.7978	-0.0096	0	10	5	1	ASVSFQIISEVQSGR + Phospho (ST)
☐	559	508.3100	1521.9082	1521.8515	0.0567	2	10	4.5	1	LRSTIGVDGSVYKK
☐	297	587.7500	1173.4854	1173.4144	0.0710	0	10	4.4	1	QYFQTAEK + Phospho (ST); Phospho (Y)
☐	724	587.7400	1760.1982	1759.8886	0.3095	1	10	3.4	1	KNCAILIENDQSISR
☐	204	530.7700	1059.5254	1059.5825	-0.0571	1	10	4.3	1	LLEGPRYGR
☐	301	587.7600	1173.5054	1173.6791	-0.1737	0	10	4.4	1	LGANMLISVLK + Oxidation (M)
☐	691	562.7600	1685.2582	1685.6576	-0.3994	2	10	2	1	LRETDANLGKSSR + 3 Phospho (ST)
☐	338	608.2800	1214.5454	1214.6143	-0.0688	0	10	4.2	1	QEDVVEDLLR
☐	558	508.0000	1520.9782	1520.7712	0.2070	1	10	4	1	RLQIEESSKPVR + Phospho (ST)
☐	832	698.7800	2093.3182	2093.1229	0.1953	2	10	3.8	1	VPETRNLNLEKAGVNTNPK
☐	340	609.6500	1217.2854	1217.4131	-0.1277	0	10	4.2	1	GISTSASLSR + 3 Phospho (ST)
☐	602	523.6700	1567.9882	1567.6069	0.3813	1	10	4.4	1	SRNGGVYPGTSGEK + 2 Phospho (ST)
☐	876	792.0500	2373.1282	2372.9933	0.1348	2	10	6.2	1	QVSIACTEHNLKSRNGEDR + 2 Phospho (ST)
☐	377	634.3800	1266.7454	1266.4717	0.2738	1	10	4.3	1	NTKGPGMTGTK + Oxidation (M); 2 Phospho (ST)
☐	884	821.4000	2461.1782	2461.1420	0.0362	2	10	6.4	1	SLVPVGIPTSTVSPASPSKRNK + 3 Phospho (ST)
☐	492	464.8000	1391.3782	1391.5911	-0.2129	0	10	4.2	1	LHFSIYDFDR + Phospho (ST)
☐	54	431.0600	860.1054	860.3793	-0.2739	0	10	3.9	1	HLPAESK + Phospho (ST)
☐	142	505.2400	1008.4654	1008.4625	0.0030	1	10	3.6	1	RDYEVDGR
☐	659	541.3200	1620.9382	1620.6962	0.2419	0	10	5	1	MDMSNMVLSLIQK + 2 Oxidation (M); Phospho (ST)
☐	180	521.8300	1041.6454	1041.5042	0.1413	1	10	3.9	1	KQLSTVMR + Phospho (ST)
☐	33	428.7700	855.5254	855.3851	0.1403	0	9	3.6	1	SLSSLNR + Phospho (ST)
☐	355	413.1900	1236.5482	1236.6155	-0.0673	1	9	4.3	1	SSITKFYLAK + Phospho (ST)
☐	419	440.7400	1319.1982	1319.5620	-0.3638	0	9	2.3	1	GGPGAGGSATPGAQR + Phospho (ST)
☐	386	429.1200	1284.3382	1284.5347	-0.1965	1	9	4.5	1	TDTARGSSGEPK + Phospho (ST)
☐	906	1023.9800	3068.9182	3069.2999	-0.3817	1	9	3.9	1	SRIQTSLTSASLGSADENSMAQADDNLK + 2 Phospho (ST)
☐	816	1020.9400	2039.8654	2039.7921	0.0733	1	9	6	1	MVSGNRGTSLNDSYHSR + Phospho (ST); Phospho (Y)
☐	143	505.2400	1008.4654	1008.4625	0.0030	1	9	3.7	1	RDYEVDGR
☐	734	587.7600	1760.2582	1759.8886	0.3695	1	9	2.7	1	KNCAILIENDQSISR
☐	889	833.8700	2498.5882	2498.9658	-0.3776	1	9	3.5	1	TERVGHGYHTIEDEALYNR + 2 Phospho (ST); Phospho (Y)
☐	119	466.3000	930.5854	930.4883	0.0972	1	9	4.2	1	SRESPLSR
☐	327	402.8900	1205.6482	1205.6624	-0.0142	1	9	4.5	1	ALIRVICSMK + Oxidation (M)
☐	223	534.2500	1066.4854	1066.5600	-0.0746	0	9	4	1	GIFFAWAQK
☐	281	582.7500	1163.4854	1163.4794	0.0060	0	9	4.6	1	VSSIHPECR + Phospho (ST)
☐	562	511.2800	1530.8182	1530.6453	0.1728	2	9	4.8	1	QSTQTNPQRRR + 2 Phospho (ST)
☐	352	412.8000	1235.3782	1235.3641	0.0141	0	9	4.5	1	YLQSCTSMS + 2 Phospho (ST)
☐	421	442.1800	1323.5182	1323.6224	-0.1042	0	9	4.7	1	AFAPPSLDLASR + Phospho (ST)
☐	851	737.8400	2210.4982	2210.7772	-0.2790	2	9	3.1	1	RSYASSETMVRGHGPTR + 4 Phospho (ST)
☐	69	442.1800	882.3454	882.2674	0.0781	0	9	3.4	1	SWSSTR + 2 Phospho (ST)
☐	111	464.2700	926.5254	926.3551	0.1703	0	9	3.9	1	YILSSGK + 2 Phospho (ST)
☐	653	537.7900	1610.3482	1610.6664	-0.3182	0	9	2.9	1	GTITIQDTGIGMTK + Oxidation (M); 2 Phospho (ST)
☐	854	739.3800	2215.1182	2215.0704	0.0478	2	9	6.7	1	RYPASPPVQLLGHTPRIPG + Phospho (ST); Phospho (Y)
☐	527	736.9800	1471.9454	1471.9490	-0.0036	2	9	4.6	1	LLGKGTFGKVILVK
☐	63	440.1800	878.3454	878.4419	-0.0964	0	9	4	1	TMLELEK + Oxidation (M)
☐	249	556.8400	1111.6654	1111.6059	0.0595	0	9	4.5	1	ITGEIMHALK
☐	263	567.2800	1132.5454	1132.4107	0.1347	0	9	4.4	1	AEESLSDMR + Oxidation (M); Phospho (ST)
☐	714	581.2200	1740.6382	1740.6696	-0.0314	0	9	5.5	1	ETMMNSSVSSGSGSLR + 2 Oxidation (M); Phospho (ST)
☐	723	587.7300	1760.1682	1759.8886	0.2795	1	9	4.2	1	KNCAILIENDQSISR
☐	225	536.3000	1070.5854	1070.4525	0.1329	0	9	4.8	1	LCQECSFK
☐	376	633.2200	1264.4254	1264.6428	-0.2173	1	9	4.8	1	KITIGQAPTEK + Phospho (ST)
☐	679	829.9200	1657.8254	1657.8440	-0.0186	2	9	6	1	SKVSFKITLTSDPR + Phospho (ST)
☐	337	607.9900	1213.9654	1213.5704	0.3951	1	9	2.6	1	TVTTSGAKAGGGK + Phospho (ST)
☐	46	429.9400	857.8654	857.4719	0.3936	1	9	1.7	1	DEGLRLR
☐	71	443.1600	884.3054	884.2500	0.0554	0	9	3.8	1	STGMSAR + Oxidation (M); 2 Phospho (ST)
☐	82	447.2000	892.3854	892.3514	0.0341	0	9	4	1	TYINMR + Oxidation (M); Phospho (ST)
☐	824	687.3100	2058.9082	2058.8912	0.0170	0	9	6.8	1	GPGSGGLSSSPSEILQELGK + 2 Phospho (ST)
☐	291	587.7400	1173.4654	1173.5617	-0.0963	0	9	5	1	MILLAFSSGR + Phospho (ST)
☐	311	587.7700	1173.5254	1173.5318	-0.0064	0	9	5	1	DTAEFAISIK + Phospho (ST)
☐	776	609.9700	1826.8882	1826.9655	-0.0774	2	9	6.3	1	GKLKVLATAFDTTLGGR + Phospho (ST)
☐	318	592.2200	1182.4254	1182.6145	-0.1891	1	9	4.8	1	ATGNPKHPFSK
☐	300	587.7600	1173.5054	1173.6159	-0.1104	0	9	5.1	1	LLDTLPLPGR + Phospho (ST)
☐	397	430.0000	1286.9782	1286.6540	0.3241	0	9	3.1	1	NLPEGVAMEVTK
☐	865	756.3500	2266.0282	2266.0730	-0.0448	2	9	7.4	1	TESVTSGPLSPEGSPSKSPSKK + Phospho (ST)
☐	595	521.8100	1562.4082	1562.5895	-0.1813	0	9	4.6	1	CGPTTGSSVCSGWK + Phospho (ST)
☑	577	519.2700	1554.7882	1554.8154	-0.0272	0	9	5.5	1	NQIALWDQLLEGR

☐	703	570.9500	1709.8282	1709.9174	-0.0893	1	9	6.3	1	VFFKAGLLGTLEEMR
☐	644	796.3600	1590.7054	1590.6848	0.0206	1	9	5.8	1	DGKLVSESSDIMSK + Oxidation (M); Phospho (ST)
☐	469	457.2500	1368.7282	1368.5584	0.1698	0	9	5.7	1	MSMILSASVVR + Oxidation (M); 2 Phospho (ST)
☐	590	521.2500	1560.7282	1560.6626	0.0656	1	9	5.9	1	YATALYSAASKQK + 2 Phospho (ST)
☐	678	550.8100	1649.4082	1649.7886	-0.3804	2	9	4.3	1	SVPAASGGDKEAVARR + Phospho (ST)
☐	725	587.7400	1760.1982	1759.8831	0.3151	1	9	4.1	1	MSASILLSKLFDDLK + Phospho (ST)
☐	36	429.1200	856.2254	856.3884	-0.1630	0	9	4.2	1	SWIPFK + Phospho (ST)
☐	765	605.6200	1813.8382	1813.7471	0.0911	0	9	6.4	1	GIAPASPMLGNASNPNK + Oxidation (M); 2 Phospho (ST)
☐	441	447.2000	1338.5782	1338.6293	-0.0511	0	9	4.8	1	TSSTSRPASLPR + Phospho (ST)
☐	81	445.1200	888.2254	888.3994	-0.1739	0	9	4.4	1	EVSAYIK + Phospho (ST)
☐	622	530.7600	1589.2582	1589.5760	-0.3178	0	9	2.2	1	AGSHEGSDSSGGAALK + 2 Phospho (ST)
☐	735	587.7600	1760.2582	1760.6308	-0.3726	0	9	3.1	1	ETDQSPTISTSSIR + 3 Phospho (ST)
☐	572	775.3300	1548.6454	1548.5010	0.1445	0	9	6.2	1	IPSEMSSPNFGK + Oxidation (M); 3 Phospho (ST)
☐	747	587.7800	1760.3182	1759.9866	0.3316	2	9	2.6	1	QTCLKTVVLLTDNKK
☐	709	575.3000	1722.8782	1722.5134	0.3648	0	9	6.3	1	AESEEMETSQAGSK + 3 Phospho (ST)
☐	755	894.4000	1786.7854	1786.7256	0.0598	0	9	6.6	1	VEGFPTIYFAPSGDK + 2 Phospho (ST)
☐	480	688.3100	1374.6054	1374.6506	-0.0451	0	9	5.3	1	MELLAYLLGEK + Oxidation (M); Phospho (Y)
☐	316	588.3100	1174.6054	1174.4907	0.1147	0	9	5.1	1	GTSTPEYNVK + Phospho (Y)
☐	42	429.2200	856.4254	856.3440	0.0815	0	9	4.3	1	SQTNTAR + Phospho (ST)
☐	319	592.2300	1182.4454	1182.5282	-0.0827	0	9	5.2	1	VSQTPESISR + Phospho (ST)
☐	335	607.9100	1213.8054	1213.6918	0.1137	1	9	5.1	1	EIEVLQDKIK
☐	511	472.2900	1413.8482	1413.7269	0.1213	2	9	5.8	1	KFPTSTTKISPK + Phospho (ST)
☐	631	530.7800	1589.3182	1589.6051	-0.2870	1	9	3.3	1	TDEPAKYTAYSGK + 2 Phospho (ST)
☐	348	411.1400	1230.3982	1230.4063	-0.0081	0	9	5.4	1	MSGSSSVAAMK + Oxidation (M); 2 Phospho (ST)
☐	546	755.9100	1509.8054	1509.5763	0.2292	1	9	6.4	1	QAWTGSSQRSSR + 2 Phospho (ST)
☐	314	587.7800	1173.5454	1173.4195	0.1259	0	9	5.6	1	KPEECSCGK + Phospho (ST)
☐	9	398.7700	795.5254	795.4116	0.1138	2	9	3.6	1	RGSRLK + Phospho (ST)
☐	200	530.7600	1059.5054	1059.4750	0.0304	1	9	5.5	1	ERGLFSGSK + Phospho (ST)
☐	647	534.2500	1599.7282	1599.6266	0.1016	1	9	6.4	1	RVAFSSASMSGGAGR + 2 Phospho (ST)
☐	554	505.2400	1512.6982	1512.6449	0.0533	0	9	6.2	1	VSTMRPLATAYK + Oxidation (M); 2 Phospho (ST)
☐	461	680.9500	1359.8854	1359.5707	0.3147	0	9	5.3	1	ATQEFTANAEAK + Phospho (ST)
☐	675	548.5500	1642.6282	1642.8881	-0.2600	1	9	6.6	1	RVFLMLSVALGLTK + Oxidation (M); Phospho (ST)
☐	152	511.9500	1021.8854	1021.5444	0.3411	1	9	2.3	1	ASYPTVKEK
☐	415	440.2100	1317.6082	1317.4722	0.1360	0	9	5.9	1	DDDTTTVNSDR + Phospho (ST)
☐	687	557.9200	1670.7382	1670.6831	0.0551	2	8	6.4	1	TELKQRLNSQSK + 3 Phospho (ST)
☐	79	445.0700	888.1254	888.4705	-0.3451	1	8	4.5	1	DGKATVWI
☐	618	530.7600	1589.2582	1589.6579	-0.3997	1	8	2.4	1	TMDASERGCLLNK + Oxidation (M); Phospho (ST)
☐	626	530.7700	1589.2882	1589.5800	-0.2918	0	8	2.7	1	TGQAAGFSYTDANK + 2 Phospho (ST)
☐	662	544.8200	1631.4382	1631.5565	-0.1184	1	8	5.8	1	DSGVGASLTRCNR + 3 Phospho (ST)
☐	803	663.5300	1987.5682	1987.9431	-0.3749	1	8	5.7	1	GFMVTRSYTVGVTMMHR + Oxidation (M)
☐	47	430.0000	857.9854	858.2691	-0.2837	0	8	1.5	1	GCEGNSR + Phospho (ST)
☐	874	790.8600	2369.5582	2369.2607	0.2975	1	8	4.1	1	ATDLAKLLPVSLDSSPTPVPLR + Phospho (ST)
☐	389	429.2100	1284.6082	1284.6479	-0.0397	0	8	6.2	1	FATEAAITILR + Phospho (ST)
☐	494	465.7500	1394.2282	1394.4939	-0.2657	0	8	2.7	1	DTAGTDGALVCR + 2 Phospho (ST)
☐	378	635.2700	1268.5254	1268.4621	0.0633	2	8	5.7	1	KRETSMDSR + 2 Phospho (ST)
☐	28	417.1500	832.2854	832.1806	0.1048	0	8	4.7	1	QSSSGK + 3 Phospho (ST)
☐	183	522.2500	1042.4854	1042.5659	-0.0804	0	8	5.6	1	LLGADAVEQK
☐	813	1020.4500	2038.8854	2038.9837	-0.0982	2	8	7.9	1	LFERSVPAASGGDKEAVAR + Phospho (ST)
☐	482	460.0500	1377.1282	1377.4992	-0.3711	2	8	2.1	1	RYSRSSLNR + 2 Phospho (ST); Phospho (Y)
☐	718	583.2900	1746.8482	1746.6069	0.2413	0	8	7.4	1	QSPISTPTSPGSLR + 4 Phospho (ST)
☐	86	447.7500	893.4854	893.4607	0.0248	1	8	4.2	1	LDDTKFR
☐	230	539.3000	1076.5854	1076.5536	0.0319	0	8	5.5	1	TEQMISIQK
☐	366	623.6400	1245.2654	1245.6136	-0.3481	0	8	4.8	1	GPSCILGSGAATR
☐	92	449.9100	897.8054	897.4208	0.3846	1	8	2.8	1	VVEKSEK + Phospho (ST)
☐	861	755.8700	2264.5882	2264.9520	-0.3639	2	8	4.4	1	YLSKTGRADIANLAEEFK + 2 Phospho (ST); Phospho (Y)
☐	638	530.7900	1589.3482	1589.6723	-0.3241	0	8	4.3	1	SDGAIGNYSGGGQTVK + Phospho (ST)
☐	29	417.2600	832.5054	832.5171	-0.0116	0	8	4.8	1	FTVVVLR
☐	162	519.2700	1036.5254	1036.4413	0.0842	1	8	5.1	1	HTPSKEMK + Phospho (ST)
☐	632	530.7800	1589.3182	1589.6943	-0.3761	2	8	3.6	1	KADSKMVCDVVSR + Oxidation (M); Phospho (ST)
☐	666	545.7700	1634.2882	1634.6477	-0.3596	1	8	2.5	1	TDGEASPLKEAETK + 2 Phospho (ST)
☐	520	484.7400	1451.1982	1451.5741	-0.3760	2	8	2	1	AQRMRVSSGER + Oxidation (M); 2 Phospho (ST)
☐	701	569.7500	1706.2282	1705.9371	0.2910	2	8	3.1	1	STKIWMAMVKVLSGR
☐	486	462.1600	1383.4582	1383.6759	-0.2177	1	8	6.4	1	DAGKSVGIVTTTR + Phospho (ST)
☐	489	696.3000	1390.5854	1390.5476	0.0379	0	8	6.1	1	QADYEELMGQK + Phospho (Y)
☐	560	509.9500	1526.8282	1526.6840	0.1442	0	8	6.6	1	SCPFTDAAPLQLK + Phospho (ST)
☐	542	750.9300	1499.8454	1499.7419	0.1036	2	8	6.3	1	SMIEKVTGKNAVK + Oxidation (M); Phospho (ST)
☐	867	760.3200	2277.9382	2278.0900	-0.1518	1	8	9.1	1	GASDQEPGAKEPMAEVTPPPVR + Oxidation (M)
☐	307	587.7600	1173.5054	1173.4580	0.0474	0	8	6.3	1	LNQPSASAAR + 2 Phospho (ST)
☐	457	453.3800	1357.1182	1357.4353	-0.3172	0	8	2.2	1	VSGQNPTSSNK + 3 Phospho (ST)
☐	14	411.0600	820.1054	820.4299	-0.3245	0	8	4.4	1	TILMMGR
☐	688	558.9200	1673.7382	1673.7848	-0.0466	1	8	7.1	1	SGKGPIVMELQTYR + Oxidation (M); Phospho (ST)
☐	598	522.2400	1563.6982	1563.6612	0.0369	1	8	6.9	1	VHSRGGLISASIK + 3 Phospho (ST)
☐	733	587.7600	1760.2582	1759.8886	0.3695	1	8	3.7	1	KNCAILIENDQSISR
☐	68	440.7400	879.4654	879.3712	0.0942	1	8	4.7	1	NGPRGSGR + Phospho (ST)
☐	351	411.3700	1231.0882	1231.3673	-0.2791	0	8	1.7	1	GSSGNSTVQR + 3 Phospho (ST)
☑	864	756.3200	2265.9382	2265.8884	0.0497	1	8	9.2	1	DSSGASLPKASFPEELTYK + 3 Phospho (ST)

356	619.3400	1236.6654	1236.4780	0.1874	1	8	5.9	1	NMSAMERFR + Oxidation (M); Phospho (ST)
787	625.2100	1872.6082	1872.7131	-0.1049	0	8	8.4	1	ASQPSSVISQVIDMR + Oxidation (M); 3 Phospho (ST)
852	737.8600	2210.5582	2210.8205	-0.2623	0	8	4.8	1	TSSVSSLTSTCTGGIPSSSR + 3 Phospho (ST)
799	649.4000	1945.1782	1944.8830	0.2952	0	8	6.4	1	NSVLEVIAYSSSETPNR + Phospho (ST)
547	504.2900	1509.8482	1509.6266	0.2216	0	8	7.6	1	EGLSIFSGLANSR + 2 Phospho (ST)
890	850.9500	2549.8282	2549.8335	-0.0053	2	8	7.7	1	GSPHSEGSDRYRQNSTHCR + 3 Phospho (ST); Phospho (Y)
45	429.4500	856.8854	856.5130	0.3724	0	8	1.7	1	VALNTLAR
497	465.9400	1394.7982	1394.6943	0.1039	1	8	6.8	1	GSDGFWVGKSSLR
289	587.7300	1173.4454	1173.5543	-0.1089	1	8	6.7	1	LPRNPASPDK + Phospho (ST)
640	530.8000	1589.3782	1589.6602	-0.2820	1	8	5.7	1	FSAATYLMDKVGK + Phospho (ST); Phospho (Y)
828	691.3400	2070.9982	2070.8800	0.1182	1	8	8.6	1	AAKFEEMCALVMGMFTR + Phospho (ST)
453	675.3800	1348.7454	1348.5193	0.2262	0	8	6.5	1	TCMLWDATSGK + Phospho (ST)
257	563.2500	1124.4854	1124.4863	-0.0008	0	8	6.6	1	EEALSGVAGGR + Phospho (ST)
287	587.3500	1172.6854	1172.6149	0.0705	1	8	6.8	1	DLIKENNATR
634	530.7800	1589.3182	1589.6466	-0.3284	1	8	4	1	SQMEEEKTEMIR + Phospho (ST)
774	912.4200	1822.8254	1822.8882	-0.0628	1	8	9	1	KLATATETYIKPISK + Phospho (ST); Phospho (Y)
886	821.6800	2462.0182	2462.1239	-0.1057	0	8	9.5	1	DPLVTMKPGSGTLVINIMSEGK + Oxidation (M); 2 Phospho (ST)
284	389.2400	1164.6982	1164.4859	0.2122	1	8	6.1	1	GPSGTAHRMR + Oxidation (M); Phospho (ST)
656	539.3000	1614.8782	1614.7212	0.1570	0	8	7.8	1	AESLSAEMQVLTEK + Phospho (ST)
66	440.2500	878.4854	878.3721	0.1133	0	8	5.6	1	LMPSHSK + Phospho (ST)
51	430.9700	859.9254	860.3065	-0.3811	0	8	1	1	GFADSER + Phospho (ST)
265	569.7500	1137.4854	1137.4972	-0.0117	1	8	5.9	1	RIAESEEASM + Oxidation (M)
84	447.2000	892.3854	892.5494	-0.1640	0	8	5.6	1	LALAPVGPR
334	605.8400	1209.6654	1209.7081	-0.0427	1	8	6.4	1	APVKVTAAPTQK
484	691.3400	1380.6654	1380.6490	0.0165	1	8	7.2	1	SLSGCPRATSAMK + Oxidation (M)
619	530.7600	1589.2582	1589.5760	-0.3178	0	8	2.9	1	AGSHEGSDSSGGAALK + 2 Phospho (ST)
683	556.2800	1665.8182	1665.8661	-0.0479	0	8	8.9	1	WMHSLQPLDGLITR
780	621.8000	1862.3782	1862.7120	-0.3338	0	8	3.7	1	EYLIMGMDGVTSDLK + 2 Oxidation (M); Phospho (ST); Phospho (Y)
434	445.0600	1332.1582	1332.5567	-0.3985	0	8	2.4	1	NMAVGITSMASR + Oxidation (M); Phospho (ST)
657	539.3300	1614.9682	1614.6821	0.2861	2	8	7.5	1	GDPASKSRSCSEVR + Phospho (ST)
645	532.2800	1593.8182	1593.8158	0.0024	2	8	8.1	1	RHARALGNMPENTK
247	555.7800	1109.5454	1109.6849	-0.1394	1	8	6.1	1	VKVFIYTLK
256	562.7600	1123.5054	1123.5825	-0.0770	0	8	6.4	1	VVTALCLLR + Phospho (ST)
519	722.3600	1442.7054	1442.7316	-0.0262	2	8	7.3	1	ATVLLSMSKGGKR + Oxidation (M); Phospho (ST)
671	821.8900	1641.7654	1641.7892	-0.0238	1	8	9	1	VLDAKGSNSLPLLR + 2 Phospho (ST)
255	562.3200	1122.6254	1122.5274	0.0981	1	8	6.5	1	VSLMCEGRR + Oxidation (M)
491	696.6500	1391.2854	1391.6697	-0.3843	0	8	4.9	1	NLAPLVEDVQSK + Phospho (ST)
833	701.5300	2101.5682	2101.7747	-0.2065	1	8	5.9	1	LSLRQTGSPGMIYSTR + Oxidation (M); 3 Phospho (ST); Phospho (Y)
485	691.6600	1381.3054	1381.6286	-0.3231	2	7	6.2	1	RRCSPTEAAVR + Phospho (ST)
184	522.5900	1043.1654	1043.5304	-0.3649	0	7	5.2	1	IITFTLEK + Phospho (ST)
259	563.7300	1125.4454	1125.5179	-0.0725	1	7	6.3	1	LKAQQSTDR + Phospho (ST)
416	440.2400	1317.6982	1317.6928	0.0054	0	7	7.5	1	ENKPYALNLEK
72	443.1900	884.3654	884.5556	-0.1901	1	7	5.6	1	RALIVASR
471	457.7500	1370.2282	1370.5146	-0.2864	1	7	3.6	1	QSSRQLVASR + 3 Phospho (ST)
670	821.6800	1641.3454	1641.7152	-0.3697	0	7	4.7	1	GSGDTSISMDTEASIR + Oxidation (M)
606	526.8000	1577.3782	1577.5751	-0.1970	1	7	6.3	1	TYKSHLMSTVR + Oxidation (M); 3 Phospho (ST)
270	574.3100	1146.6054	1146.6285	-0.0230	0	7	6.8	1	LSQILSDFPK
535	497.7400	1490.1982	1489.7988	0.3994	1	7	2.8	1	LTTTQQTAEEKIK
827	690.8800	2069.6182	2069.9895	-0.3713	1	7	8.9	1	HVLEDSPAGKNGTLKPGDR + Phospho (ST)
621	530.7600	1589.2582	1589.5391	-0.2810	0	7	3.1	1	STSISGDMCSLEK + Oxidation (M); 2 Phospho (ST)
444	447.8600	1340.5582	1340.5197	0.0385	1	7	8	1	LAEMTSTRTR + Oxidation (M); 2 Phospho (ST)
342	407.7700	1220.2882	1220.6547	-0.3665	2	7	6.7	1	QASKKTAMAAAK + Oxidation (M)
623	530.7600	1589.2582	1588.8865	0.3717	0	7	3.1	1	IAPIPEGSAFFILSK
53	431.0400	860.0654	860.3542	-0.2887	0	7	5.6	1	HTASHTK + Phospho (ST)
694	563.7300	1688.1682	1687.8311	0.3370	1	7	4.8	1	EEIGDRNAARPSVMK + Oxidation (M)
49	430.8300	859.6454	859.3874	0.2580	1	7	6.1	1	GMLKTSK + Oxidation (M); Phospho (ST)
518	717.7800	1433.5454	1433.6139	-0.0684	0	7	8.6	1	QQISLATQMVR + 2 Phospho (ST)
627	530.7700	1589.2882	1589.6602	-0.3720	1	7	3.7	1	FSAATYLMDKVGK + Phospho (ST); Phospho (Y)
176	521.7500	1041.4854	1041.5042	-0.0187	1	7	6.7	1	KQLSTVMR + Phospho (ST)
321	398.0100	1191.0082	1191.3685	-0.3603	0	7	2.5	1	VNSGLMTSK + Oxidation (M); 3 Phospho (ST)
76	445.0300	888.0454	888.3855	-0.3400	1	7	3.5	1	FGGTGRSK + Phospho (ST)
872	789.4200	2365.2382	2365.1124	0.1258	1	7	9.8	1	SCTVNESTLTTLKDFLESLK + Phospho (ST)
405	432.2800	1293.8182	1293.7517	0.0665	2	7	7.9	1	HIEAVVTGGKKR
625	530.7700	1589.2882	1589.5664	-0.2782	0	7	3.8	1	QASSDSDSILSLK + 3 Phospho (ST)
840	705.3200	2112.9382	2113.1936	-0.2554	1	7	11	1	LLFLVPTGVPVRSGDATFPK
681	555.7800	1664.3182	1664.7005	-0.3823	0	7	3.3	1	STESSMTPDLLNFK + Oxidation (M); Phospho (ST)
404	431.0600	1290.1582	1290.4547	-0.2965	0	7	2.6	1	SVIGSSSTVSK + 3 Phospho (ST)
269	573.2500	1144.4854	1144.5352	-0.0497	1	7	7.5	1	KQAFPMISK + Oxidation (M); Phospho (ST)
99	455.3200	908.6254	908.3277	0.2978	0	7	6.4	1	DHTTDQL + Phospho (ST)
610	790.8600	1579.7054	1579.6814	0.0241	1	7	9	1	DAHLSTPSQCTKR + Phospho (ST)
106	459.1600	916.3054	916.4671	-0.1616	0	7	7.8	1	YILTLSK + Phospho (ST)
108	460.0500	918.0854	918.1922	-0.1068	0	7	5.2	1	SDSGASR + 3 Phospho (ST)
285	584.9800	1167.9454	1167.5706	0.3748	1	7	4	1	NTIMKAYDGR
78	445.0600	888.1054	888.3937	-0.2883	0	7	6.1	1	GDSGQPSNK
433	445.0300	1332.0682	1331.6711	0.3971	1	7	3.7	1	TTQRIVAPPGGR + Phospho (ST)
700	569.3100	1704.9082	1704.8642	0.0439	2	7	10	1	EETGVSTSQKVKEAGR

897	903.4700	2707.3882	2707.1255	0.2627	1	7	12	1	DSPHMQDPNQADEEAMTQIIRVS + Oxidation (M); Phospho (ST)
454	677.3000	1352.5854	1352.5836	0.0019	1	7	9	1	NYLKQGFMEK + Oxidation (M); Phospho (Y)
800	661.5400	1981.5982	1981.6753	-0.0771	1	7	10	1	YASVSEPAKVSECCR + 2 Phospho (ST); Phospho (Y)
502	702.3600	1402.7054	1402.6792	0.0263	2	7	8.4	1	VEARKTYMGLR + Phospho (Y)
721	587.3500	1759.0282	1758.7145	0.3137	0	7	10	1	GHSLGTASSNPHMDPR + Oxidation (M); Phospho (ST)
796	635.2700	1902.7882	1902.7506	0.0376	0	7	11	1	MSGNGGAATTAEENGSMMR + 2 Oxidation (M)
16	411.1400	820.2654	820.3190	-0.0536	0	7	6.3	1	CLAYSK + Phospho (ST)
439	447.2000	1338.5782	1338.7442	-0.1660	1	7	7.9	1	ELGRMVQLHLK + Oxidation (M)
107	459.2100	916.4054	916.4671	-0.0616	0	7	8.1	1	YILTLSK + Phospho (ST)
196	530.7600	1059.5054	1059.5131	-0.0077	0	7	8.6	1	LLCGGGAAADR
635	530.7900	1589.3482	1589.6602	-0.3120	1	7	6.3	1	FSAATYLMDKVGK + Phospho (ST); Phospho (Y)
5	389.2400	776.4654	776.3929	0.0725	1	7	6	1	EPGRYR
10	402.8900	803.7654	803.4025	0.3630	0	7	5	1	DVLSGGEK
574	519.2400	1554.6982	1554.8042	-0.1060	0	7	9.4	1	QLEFLQPLAEDPR
571	516.7200	1547.1382	1547.4943	-0.3561	0	7	4.1	1	NSNGTTTETEVR + 3 Phospho (ST)
382	428.7700	1283.2882	1283.6122	-0.3241	1	7	6.9	1	DLKSVVATESR + Phospho (ST)
417	440.2500	1317.7282	1317.5860	0.1421	2	7	9	1	LTRSSGRSCSK + Phospho (ST)
661	544.7900	1631.3482	1631.4629	-0.1148	0	7	5.8	1	MSLQDTSGSATSK + 4 Phospho (ST)
403	431.0400	1290.0982	1289.7932	0.3050	2	7	2.1	1	KPPPRIERGLK
246	555.3400	1108.6654	1108.5893	0.0762	0	7	8	1	TEIIILATR + Phospho (ST)
228	537.7900	1073.5654	1073.4794	0.0860	0	6	8.2	1	LSFPSTTNK + Phospho (ST)
138	504.2900	1006.5654	1006.4277	0.1377	0	6	7.6	1	MEQETPEK + Oxidation (M)
229	538.9800	1075.9454	1075.6026	0.3428	0	6	2.8	1	FLVIGNAGTGK
52	431.0000	859.9854	860.2119	-0.2265	0	6	3.3	1	VGGSSSK + 3 Phospho (ST)
406	433.0100	1296.0082	1295.7925	0.2157	1	6	4.3	1	LLLSREILSPR
630	530.7800	1589.3182	1589.7004	-0.3822	0	6	5.5	1	TNLALVVGTNSWR + 2 Phospho (ST)
557	760.3200	1518.6254	1518.8268	-0.2014	2	6	10	1	YKPFKGIKYMTK + Oxidation (M)
216	530.7900	1059.5654	1059.4862	0.0792	2	6	9.1	1	QKETYRR + Phospho (ST)
411	438.1700	1311.4882	1311.5877	-0.0995	1	6	8.8	1	YKVSVTLSGAK + Phospho (ST); Phospho (Y)
615	530.3100	1587.9082	1587.8178	0.0904	0	6	11	1	ILPEQGLMLTGSADK + Oxidation (M)
849	736.9800	2207.9182	2207.9680	-0.0498	2	6	13	1	KTMGMADGKHCTFPHLPGK + Oxidation (M); Phospho (ST)
326	603.2700	1204.5254	1204.5536	-0.0282	2	6	10	1	FRAMATRTR + Oxidation (M); Phospho (ST)
408	649.4000	1296.7854	1296.5792	0.2063	0	6	9	1	IGSGFFSEVFK + Phospho (ST)
537	498.2500	1491.7282	1491.8119	-0.0838	1	6	10	1	LKAVFDCVVNSLK
526	491.2700	1470.7882	1470.8657	-0.0775	1	6	10	1	LEKNLTATLVLEK
643	531.2400	1590.6982	1590.6765	0.0216	0	6	11	1	LSNITNIGPLDMK + Oxidation (M); 2 Phospho (ST)
271	575.3000	1148.5854	1148.5954	-0.0100	1	6	8.8	1	QRIISEPVK + Phospho (ST)
893	869.0900	2604.2482	2604.1601	0.0881	0	6	15	1	VAEQMYQPQQTACSDTALIVQK + Oxidation (M); Phospho (Y)
362	622.8900	1243.7654	1243.6594	0.1060	2	6	9.9	1	GVPCGELKKEK
793	632.7700	1895.2882	1894.9111	0.3771	0	6	6.9	1	EVAEVSPLSAANMSIAVK + Phospho (ST)
179	521.8100	1041.6054	1041.5260	0.0795	0	6	8.6	1	LLDLSVFR + Phospho (ST)
782	622.3000	1863.8782	1863.8112	0.0670	0	6	14	1	SSGLAAAGLNSGGDGHSQAK + Phospho (ST)
364	623.2300	1244.4454	1244.7315	-0.2860	0	6	11	1	MKPNILVVGFK
100	457.2500	912.4854	912.3953	0.0901	0	6	8	1	AASSLEQK + Phospho (ST)
383	642.7400	1283.4654	1283.3592	0.1063	0	6	10	1	EGSSESEDER + 2 Phospho (ST)
620	530.7600	1589.2582	1588.9664	0.2917	1	6	4.4	1	IVKEHNLQVLGLVK
373	628.9900	1255.9654	1255.6884	0.2770	1	6	6.3	1	ADLAAVEAKVNR
409	435.8000	1304.3782	1304.4843	-0.1061	0	6	10	1	MPSESDDSLTK + Oxidation (M); Phospho (ST)
862	755.9100	2264.7082	2265.0041	-0.2959	0	6	12	1	MASLALNTQADPEIELFVK + Oxidation (M); 2 Phospho (ST)
21	412.8100	823.6054	823.5028	0.1026	1	6	7.7	1	VPSRLPR
121	470.7700	939.5254	939.4661	0.0593	1	6	8.8	1	ETFSSNKK
521	484.7900	1451.3482	1451.4924	-0.1443	1	5	9.3	1	RFSWSSSLDK + 3 Phospho (ST)
802	663.3800	1987.1182	1986.8345	0.2836	0	5	12	1	LDTHPAMVTVLEMGAAR + Oxidation (M); 2 Phospho (ST)
167	519.3000	1036.5854	1036.5342	0.0513	0	5	9.7	1	TYWLLGER
158	519.2400	1036.4654	1036.5778	-0.1123	0	5	9.7	1	IQASLGGHVR
402	431.0000	1289.9782	1289.6969	0.2813	2	5	6.9	1	LRLITSSKHR + Phospho (ST)
472	457.7700	1370.2882	1370.5342	-0.2461	1	5	7.7	1	MFNKATDAVSK + 2 Phospho (ST)
65	440.2400	878.4654	878.3412	0.1242	1	5	9.5	1	RSISTR + 2 Phospho (ST)
220	531.2400	1060.4654	1060.4664	-0.0010	0	5	11	1	MPVSYLGSK + Phospho (ST)
548	756.3200	1510.6254	1510.7181	-0.0926	2	5	13	1	RSGLYFSTKGTSK + Phospho (ST)
254	561.3200	1120.6254	1120.6005	0.0249	0	5	10	1	VLQSALAAIR + Phospho (ST)
424	442.6600	1324.9582	1324.8051	0.1530	2	5	8.7	1	RVLLQAGSRLGR
875	791.6800	2372.0182	2372.1018	-0.0836	2	5	18	1	CLCTGEKGTGKSTQKPLHYK + Phospho (ST)
375	632.7700	1263.5254	1263.5374	-0.0119	1	5	12	1	SAGSRLTLSGR + 2 Phospho (ST)
509	472.0400	1413.0982	1412.7064	0.3917	0	5	5.2	1	SAELNSALFLLR + Phospho (ST)
188	526.8000	1051.5854	1051.3755	0.2099	0	5	10	1	MMSETLNF + Phospho (ST)
181	522.0400	1042.0654	1042.3409	-0.2755	0	5	3.8	1	ETESVYR + Phospho (ST); Phospho (Y)
272	578.7200	1155.4254	1155.6037	-0.1782	1	5	12	1	VAFFGRTSSGK
323	599.2900	1196.5654	1196.5552	0.0102	0	5	11	1	ISYMLSIYK + Phospho (ST)
705	573.2300	1716.6682	1716.8656	-0.1974	2	5	15	1	AVAKGDFHQASTSSRR
907	1054.7400	3161.1982	3161.4182	-0.2200	0	5	18	1	MSAPWTLSPEPLPPSTGPPVGAGLDVEQR + Oxidation (M); 2 Phospho (ST)
804	663.8300	1988.4682	1988.7336	-0.2654	2	5	8.4	1	DSFASKQKISGTSVSK + 4 Phospho (ST)
87	447.8600	893.7054	893.3913	0.3142	0	5	8.1	1	DMDVVSGR + Oxidation (M)
512	472.3000	1413.8782	1413.5756	0.3025	0	5	13	1	GELDSDENHNER
650	804.7100	1607.4054	1607.6837	-0.2782	2	5	12	1	DRKSMSVYCSPAK + Phospho (ST)
156	516.7200	1031.4254	1031.4623	-0.0369	1	5	11	1	SGFGIGMRK + Phospho (ST)

☐	240	548.3200	1094.6254	1094.4434	0.1821	0	5	12	1	YIQTDGYR + Phospho (ST)
☐	379	425.2000	1272.5782	1272.5282	0.0500	1	5	13	1	MSSTGGQTPRR + Oxidation (M); Phospho (ST)
☐	331	605.3500	1208.6854	1208.6257	0.0597	0	5	12	1	MSMILSASVVR + Oxidation (M)
☐	757	600.7700	1799.2882	1798.9425	0.3457	1	5	6.2	1	LSLADKENTPPTLSSAR
☐	609	527.2800	1578.8182	1578.6306	0.1875	1	5	14	1	VMESMLKSEEER + 2 Oxidation (M); Phospho (ST)
☐	150	511.3000	1020.5854	1020.4576	0.1279	2	5	12	1	MPRKSSVH + Phospho (ST)
☐	786	623.6400	1867.8982	1867.8597	0.0385	0	5	18	1	FSGVPAMMEGSWLDVAR + Oxidation (M)
☐	39	429.2100	856.4054	856.4879	-0.0824	2	5	11	1	RVSKDPR
☐	877	795.3000	2382.8782	2382.9313	-0.0531	2	5	20	1	VKITSGADLSTVKTCEMCK + Oxidation (M); 3 Phospho (ST)
☐	115	465.7500	929.4854	929.5546	-0.0691	1	5	12	1	LVKEGLSGK
☐	20	412.8000	823.5854	823.4188	0.1666	0	5	9.3	1	NSTLFSR
☐	353	412.8100	1235.4082	1235.7026	-0.2944	2	5	13	1	FPKTPSKYLR
☐	155	516.6900	1031.3654	1031.5862	-0.2208	1	5	12	1	TTEAKELIK
☐	801	663.2100	1986.6082	1986.8731	-0.2649	2	5	14	1	RSYASSETMVRGHGPTR + Oxidation (M); Phospho (ST)
☐	837	1055.5500	2109.0854	2109.0074	0.0781	2	5	17	1	DPKTLLPMPGVMVGDMGKK + Oxidation (M); Phospho (ST)
☐	450	673.6300	1345.2454	1345.4887	-0.2432	1	5	8.6	1	SQRGSYVSMR + Oxidation (M); 2 Phospho (ST)
☐	371	627.4900	1252.9654	1252.6329	0.3326	1	5	8	1	LQAISWARTK + Phospho (ST)
☐	339	608.2800	1214.5454	1214.5730	-0.0276	1	5	14	1	SEIVGSIKMR + Oxidation (M); Phospho (ST)
☐	525	491.2700	1470.7882	1470.8098	-0.0217	1	5	15	1	YSLLKLTALLEK + Phospho (ST)
☐	663	544.8400	1631.4982	1631.6932	-0.1950	1	5	17	1	TWLDSMARIHVK + Oxidation (M); 2 Phospho (ST)
☐	607	526.8400	1577.4982	1577.6835	-0.1853	2	5	17	1	KRAYTGSESTADGR + Phospho (ST)
☐	665	818.0000	1633.9854	1633.7787	0.2068	0	4	14	1	SAAVMAGGVLYTATVK + Oxidation (M); Phospho (ST)
☐	505	705.0000	1407.9854	1407.7834	0.2021	2	4	11	1	AVAEEPPGLRNKK
☐	55	432.2800	862.5454	862.3855	0.1600	0	4	12	1	MAAGDGDVK
☐	702	854.9800	1707.9454	1707.7238	0.2216	2	4	19	1	KVHMASASSSLRMK + Oxidation (M); 2 Phospho (ST)
☐	805	664.0800	1989.2182	1988.8789	0.3393	1	4	14	1	VQMARYGRPPDSHHSR + Oxidation (M); Phospho (ST)
☐	367	625.2100	1248.4054	1248.6761	-0.2707	1	4	14	1	LLQRLCSGFR
☐	532	739.3800	1476.7454	1476.7065	0.0390	0	4	17	1	AAQLCGAGMAAVVDK + Oxidation (M)
☐	754	891.4000	1780.7854	1780.6624	0.1230	1	4	19	1	GVTYRGTHSFTTSK + 3 Phospho (ST)
☐	24	413.8200	825.6254	825.4109	0.2145	2	4	11	1	NSAKAKK + Phospho (ST)
☐	227	537.2700	1072.5254	1072.4008	0.1247	1	4	14	1	TVAVTKSK + 3 Phospho (ST)
☐	452	675.0600	1348.1054	1347.7387	0.3667	2	4	4.5	1	QLLSIPRASKR + Phospho (ST)
☐	315	588.2400	1174.4654	1174.4348	0.0306	1	4	14	1	KIDSDFYK + Phospho (ST); Phospho (Y)
☐	77	445.0600	888.1054	888.2160	-0.1105	0	4	11	1	GSGMMSK + 2 Oxidation (M); 2 Phospho (ST)
☐	504	704.7100	1407.4054	1407.5208	-0.1153	0	4	15	1	GPDTVDSTTDIK + 2 Phospho (ST)
☐	844	714.3300	2139.9682	2139.9044	0.0638	2	4	21	1	KNIYLNSGLTSTKNYGK + 3 Phospho (ST)
☐	475	686.3500	1370.6854	1370.5827	0.1027	1	4	15	1	EEGGSDLSVRSR + Phospho (ST)
☐	597	522.0400	1563.0982	1562.7202	0.3780	1	4	10	1	RTHSEGSLLQEAR + Phospho (ST)
☐	763	605.3400	1812.9982	1812.7518	0.2463	1	4	20	1	SGVAAYVSARTMPEAK + Oxidation (M); Phospho (ST); Phospho (Y)
☐	190	527.2800	1052.5454	1052.5978	-0.0524	1	4	13	1	KIEISQHAK
☐	75	444.1100	886.2054	886.3732	-0.1678	1	4	14	1	TVRGCSK + Phospho (ST)
☐	237	545.2700	1088.5254	1088.4573	0.0682	1	4	14	1	MKTSEELR + Oxidation (M); Phospho (ST)
☐	474	457.7800	1370.3182	1370.5156	-0.1975	0	4	12	1	LFVNQDSSSSK + 2 Phospho (ST)
☐	32	428.0600	854.1054	854.4974	-0.3919	1	4	9.4	1	AKLGPAGNK
☐	109	462.1600	922.3054	922.4178	-0.1124	0	4	12	1	TGMIESNR + Oxidation (M)
☐	575	519.2400	1554.6982	1554.6731	0.0250	2	4	17	1	REYLKTLSEEK + Phospho (ST); Phospho (Y)
☐	266	570.9500	1139.8854	1139.6523	0.2332	1	4	11	1	AKPSGNRLAAR
☐	359	621.8000	1241.5854	1241.5839	0.0016	1	4	16	1	EICAVSRISK + Phospho (ST)
☐	11	407.7700	813.5254	813.5072	0.0182	0	4	12	1	IALALASR
☐	95	453.3800	904.7454	904.4072	0.3382	1	4	12	1	DPEMRNK + Oxidation (M)
☐	137	499.3600	996.7054	996.5465	0.1590	1	4	13	1	GGVGGAGAAPRK
☐	330	605.3400	1208.6654	1208.5802	0.0853	0	4	16	1	NVNTGELAAIK + Phospho (ST)
☐	498	698.7800	1395.5454	1395.7024	-0.1569	2	4	17	1	KSFIHRSSLNK + Phospho (ST)
☐	613	792.0500	1582.0854	1581.8127	0.2727	2	4	13	1	LDTVSSKIELNRK + Phospho (ST)
☐	536	497.7400	1490.1982	1489.8001	0.3981	2	4	6.2	1	ARIKHSEGGDVPPK
☐	617	530.7300	1589.1682	1588.8378	0.3304	2	4	8.4	1	KTPVSRLSLFSFK + Phospho (ST)
☐	85	447.2100	892.4054	892.3514	0.0541	1	4	14	1	TMKDYR + Phospho (ST)
☐	31	425.2000	848.3854	848.3082	0.0773	0	4	14	1	TEKPSK + 2 Phospho (ST)
☐	169	519.7900	1037.5654	1037.5393	0.0261	0	4	13	1	FLLSESGTGK
☐	126	473.5000	944.9854	945.3722	-0.3868	0	4	2.8	1	VVTPGASR + 2 Phospho (ST)
☐	506	705.3200	1408.6254	1408.7350	-0.1096	0	4	17	1	GEQWTPIEPKPK
☐	70	442.6600	883.3054	883.4416	-0.1361	1	4	14	1	DLSLKTK + Phospho (ST)
☐	806	1001.3700	2000.7254	2000.9027	-0.1772	1	4	23	1	MEGPLSVFGDRSTGEAIR + Phospho (ST)
☐	96	453.8800	905.7454	905.3660	0.3794	0	4	11	1	ALGTSIGK + 2 Phospho (ST)
☐	476	687.0500	1372.0854	1371.7357	0.3497	1	4	7	1	EEIEREVSILR
☐	332	605.6200	1209.2254	1209.5802	-0.3547	2	4	13	1	MLRGTPRQR + Oxidation (M); Phospho (ST)
☐	253	558.9200	1115.8254	1115.5232	0.3022	1	3	15	1	LLKMATGMR + Oxidation (M); Phospho (ST)
☐	533	742.3300	1482.6454	1482.6902	-0.0447	0	3	19	1	AGQSVIGLQMGTNK + Phospho (ST)
☐	528	737.6500	1473.2854	1473.6410	-0.3556	0	3	11	1	RPMNAFMVWSR + Phospho (ST)
☐	174	521.2500	1040.4854	1040.4345	0.0509	0	3	16	1	YTQMNDNR
☐	857	747.8500	2240.5282	2240.7959	-0.2677	2	3	12	1	KVLGSSTFVTNSSGSSRK + 5 Phospho (ST)
☐	328	605.3000	1208.5854	1208.6642	-0.0788	2	3	18	1	LGVIKGTASRK + Phospho (ST)
☐	467	683.3300	1364.6454	1364.7156	-0.0701	1	3	20	1	VLQTLREMMTK + Oxidation (M)
☐	25	414.2600	826.5054	826.3851	0.1204	1	3	15	1	RVGPYR + Phospho (Y)
☐	88	449.1300	896.2454	896.3575	-0.1121	0	3	15	1	AHTSMVR + Oxidation (M); Phospho (ST)
☑	902	941.8900	2822.6482	2822.3276	0.3206	2	3	19	1	RDPLSDFFEVESELGRGATSIVYR + Phospho (ST)

380	641.3600	1280.7054	1280.4008	0.3047	0	3	18	1	AFMDSYTMR + Phospho (ST); Phospho (Y)
145	508.0000	1013.9854	1013.5982	0.3873	1	3	4.7	1	RLGATILDR
674	548.3900	1642.1482	1641.8396	0.3086	0	3	13	1	ESDTHAVQIALMALK + Oxidation (M)
341	609.9700	1217.9254	1217.6557	0.2698	0	3	14	1	QTPSFWILAR
568	772.3100	1542.6054	1542.6004	0.0051	1	3	24	1	SVSASYQADAKEK + 2 Phospho (ST)
501	702.0100	1402.0054	1401.6251	0.3804	0	3	15	1	YEDLAPCITLK + Phospho (ST)
113	464.8000	927.5854	927.4960	0.0894	1	3	17	1	ILHRDMK + Oxidation (M)
422	663.2100	1324.4054	1324.4989	-0.0935	0	3	21	1	EPIVGSTDYGK + 2 Phospho (ST)
510	707.6800	1413.3454	1413.7100	-0.3645	0	3	18	1	HEDTNLASSTIVK
820	683.3300	2046.9682	2046.9526	0.0156	2	2	31	1	YMDFKVIEGSFVYKGGK + Phospho (ST)
573	519.2400	1554.6982	1554.7500	-0.0519	0	2	25	1	GSFGELALMYNTPR
124	472.2900	942.5654	942.5498	0.0156	0	2	21	1	TVSPALISR
699	850.9500	1699.8854	1699.9944	-0.1090	2	2	28	1	VIRADSLSKVISSGLR
193	530.3100	1058.6054	1058.4281	0.1773	1	2	24	1	DTGASSKEGK + Phospho (ST)
83	447.2000	892.3854	892.4073	-0.0218	0	2	19	1	NTMGDLSR
17	411.2000	820.3854	820.3133	0.0722	0	2	17	1	GLSGSIK + 2 Phospho (ST)
136	498.2500	994.4854	994.4121	0.0734	0	2	19	1	SHSLEGASK + Phospho (ST)
177	521.7700	1041.5254	1041.5623	-0.0369	1	2	21	1	LNLFKLSK + Phospho (ST)
592	521.7500	1562.2282	1562.5854	-0.3572	0	2	9	1	ALVGSTMSTSVVR + Oxidation (M); 3 Phospho (ST)
262	566.6200	1131.2254	1131.5577	-0.3322	1	2	20	1	TFSKDILTK + Phospho (ST)
748	587.7800	1760.3182	1760.6573	-0.3391	0	2	13	1	IYAGGGTGSLSQPASR + 3 Phospho (ST)
539	747.8500	1493.6854	1493.5242	0.1613	0	2	30	1	SFVVSAASTTER + 3 Phospho (ST)
185	523.3000	1044.5854	1044.6444	-0.0589	1	2	26	1	QPHKVVPLK
466	683.1300	1364.2454	1364.6428	-0.3974	0	2	17	1	SISGPSVGVMEMR + Oxidation (M)
125	472.3000	942.5854	942.3444	0.2411	0	2	25	1	SVDSEGNR + Phospho (ST)
286	585.2900	1168.5654	1168.4124	0.1530	0	2	26	1	TDLEMSGLK + Oxidation (M); 2 Phospho (ST)
658	809.4600	1616.9054	1616.7365	0.1690	0	1	33	1	SGLPAGQVPSLLYR + 2 Phospho (ST)
325	602.3000	1202.5854	1202.4353	0.1501	0	1	29	1	DWGSSSGSQGR + Phospho (ST)
603	786.4000	1570.7854	1570.7306	0.0549	0	1	34	1	ITDVIMAFQAMCR + Oxidation (M)
465	683.0100	1364.0054	1363.6190	0.3864	0	1	19	1	EWAEQLTQMGR + Oxidation (M)
711	869.0900	1736.1654	1736.5650	-0.3996	1	1	24	1	VRTATGYSGYSQK + 3 Phospho (ST); Phospho (Y)
110	463.1400	924.2654	924.4124	-0.1469	0	1	26	1	MFDVGGQR + Oxidation (M)
231	539.3300	1076.6454	1076.4725	0.1729	0	1	30	1	KPMSSYLR + Oxidation (M); Phospho (ST)
616	795.3000	1588.5854	1588.7375	-0.1521	0	1	37	1	VTTRPLNTTLSAR + 2 Phospho (ST)
500	701.5300	1401.0454	1400.7446	0.3009	1	1	20	1	METALAKIPQQR + Oxidation (M)
427	664.0800	1326.1454	1326.4910	-0.3456	0	1	11	1	SPAITATLEGK + 3 Phospho (ST)
93	451.9000	901.7854	901.4882	0.2972	1	1	24	1	THRGLYR
118	465.9400	929.8654	929.5433	0.3221	0	1	15	1	TEIDLVLK
593	521.7700	1562.2882	1562.6072	-0.3191	0	1	16	1	SDGGLAPMDAFSGSR + Oxidation (M); Phospho (ST)
8	398.0100	794.0054	794.2249	-0.2194	0	0	14	1	ASGADSK + 2 Phospho (ST)
23	413.1900	824.3654	824.3429	0.0225	0	0	26	1	SADISPR + Phospho (ST)
18	411.3000	820.5854	820.4443	0.1411	0	0	27	1	EYVGVVR
420	661.5400	1321.0654	1320.7166	0.3488	1	0	14	1	VTLEVGKVIQR + Phospho (ST)
336	607.9300	1213.8454	1213.4798	0.3656	0	0	35	1	NTLPAMDNSR + Oxidation (M); Phospho (ST)
19	*411.3700*	*820.7254*							
30	*419.8100*	*837.6054*							
56	*433.0100*	*864.0054*							
58	*435.8000*	*869.5854*							
60	*438.1700*	*874.3254*							
112	*464.6600*	*927.3054*							
123	*472.0400*	*942.0654*							
170	*519.9900*	*1037.9654*							
171	*520.0200*	*1038.0254*							
187	*526.6600*	*1051.3054*							
192	*528.9800*	*1055.9454*							
239	*548.3000*	*1094.5854*							
242	*548.5500*	*1095.0854*							
370	*625.9900*	*1249.9654*							
423	*663.3800*	*1324.7454*							
425	*663.5300*	*1325.0454*							
426	*663.8300*	*1325.6454*							
449	*673.5500*	*1345.0854*							
468	*683.8200*	*1365.6254*							
612	*791.6800*	*1581.3454*							
667	*820.9700*	*1639.9254*							
751	*884.0900*	*1766.1654*							
836	*1054.7400*	*2107.4654*							

Search Parameters

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Type of search         : MS/MS Ion Search
Enzyme                 : Trypsin
Fixed modifications    : Carbamidomethyl (C)
Variable modifications : Oxidation (M),Phospho (ST),Phospho (Y)
Mass values            : Monoisotopic
Protein Mass           : Unrestricted
Peptide Mass Tolerance : ± 0.4 Da
Fragment Mass Tolerance: ± 0.4 Da
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Max Missed Cleavages : 2
Instrument type : ESI-4SECTOR
Number of queries : 908

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