



Mascot Search Results

User : GM
Email : gabriel.mazzucchelli@ulg.ac.be
Search title : Submitted from 090220-adj-oge42-9454-otherEuk-NCBi by Mascot Daemon on MASPEC39
MS data file : F:\DATA\Archives\ESQUIRE\2009 esquire\Adjuvac\090220\090220-Adj-OGE42_9454.mgf
Database : NCBI nr 20090202 (6497659 sequences; 2228453757 residues)
Taxonomy : Other Eukaryota (159614 sequences)
Timestamp : 23 Feb 2009 at 08:44:23 GMT
Significant hits: [gi|71655864](#) I/6 autoantigen [Trypanosoma cruzi strain CL Brener]
[gi|295363](#) heat shock protein 60
[gi|50659756](#) heat shock protein 70 [Trypanosoma cruzi]
[gi|71425779](#) I/6 autoantigen [Trypanosoma cruzi strain CL Brener]
[gi|71400377](#) microtubule-associated protein [Trypanosoma cruzi strain CL Brener]
[gi|3885846](#) beta tubulin [Trypanosoma cruzi]
[gi|71651558](#) hypothetical protein [Trypanosoma cruzi strain CL Brener]
[gi|162030](#) calmodulin A
[gi|71413559](#) hypothetical protein [Trypanosoma cruzi strain CL Brener]
[gi|71407337](#) hypothetical protein [Trypanosoma cruzi strain CL Brener]
[gi|10673](#) unnamed protein product [Trypanosoma cruzi]
[gi|119859](#) RecName: Full=Flagellar calcium-binding protein; Short=FCABP; AltName: Full=1F8 protein; AltName: F
[gi|71667953](#) hypothetical protein [Trypanosoma cruzi strain CL Brener]
[gi|71399455](#) surface protein TolT [Trypanosoma cruzi strain CL Brener]
[gi|71401084](#) (H+)-ATPase G subunit [Trypanosoma cruzi strain CL Brener]
[gi|71659663](#) hypothetical protein [Trypanosoma cruzi strain CL Brener]
[gi|71664216](#) heat shock 70 kDa protein, mitochondrial precursor [Trypanosoma cruzi strain CL Brener]
[gi|71651158](#) hypothetical protein [Trypanosoma cruzi strain CL Brener]
[gi|71410853](#) 10 kDa heat shock protein [Trypanosoma cruzi strain CL Brener]
[gi|71402480](#) hypothetical protein [Trypanosoma cruzi strain CL Brener]
[gi|71404821](#) trans-sialidase [Trypanosoma cruzi strain CL Brener]
[gi|12083381](#) antigen 38 [Trypanosoma cruzi]
[gi|71405064](#) 60S acidic ribosomal protein P2 [Trypanosoma cruzi strain CL Brener]
[gi|71423525](#) vesicle-associated membrane protein [Trypanosoma cruzi strain CL Brener]
[gi|71413591](#) hypothetical protein [Trypanosoma cruzi strain CL Brener]
[gi|71648964](#) hypothetical protein [Trypanosoma cruzi strain CL Brener]
[gi|71659778](#) poly(A)-binding protein [Trypanosoma cruzi strain CL Brener]
[gi|5726483](#) nucleoside diphosphate kinase [Trypanosoma brucei]
[gi|463375](#) ubiquitin
[gi|76781043](#) polyubiquitin [Massisteria marina]
[gi|71656402](#) hypothetical protein [Trypanosoma cruzi strain CL Brener]
[gi|71407515](#) heat shock 70 kDa protein, mitochondrial precursor [Trypanosoma cruzi strain CL Brener]
[gi|55824400](#) heat shock protein 70 cytosolic isoform [Rhynchobodo ATCC50359]
[gi|89329739](#) heat shock protein 70 [Capsaspora owczarzaki]

[gi|71403916](#) elongation factor 1-alpha (EF-1-alpha) [Trypanosoma cruzi strain CL Brener]
[gi|7327288](#) microtubule associated protein homolog [Trypanosoma cruzi]
[gi|50660742](#) translation elongation factor 1 alpha [Phytophthora fragariae var. rubi]
[gi|4139170](#) elongation translation factor 1 alpha [Cyanophora paradoxa]
[gi|50660750](#) translation elongation factor 1 alpha [Phytophthora hibernalis]
[gi|56156697](#) elongation factor 1A [Trichia persimilis]
[gi|50660710](#) translation elongation factor 1 alpha [Phytophthora sojae]
[gi|71401749](#) hypothetical protein [Trypanosoma cruzi strain CL Brener]
[gi|71408516](#) hypothetical protein [Trypanosoma cruzi strain CL Brener]
[gi|71405983](#) hypothetical protein [Trypanosoma cruzi strain CL Brener]
[gi|1781355](#) histone H2A [Trypanosoma cruzi]
[gi|13384081](#) histone H2A [Leishmania infantum]
[gi|57903381](#) heat shock protein 70 [Spumella uniguttata]
[gi|10119899](#) pyruvate phosphate dikinase 1 [Trypanosoma cruzi]
[gi|71404564](#) protein kinase C substrate protein, heavy chain [Trypanosoma cruzi strain CL Brener]
[gi|33694252](#) heat shock protein 70 [Rhynchopus sp. ATCC50230]
[gi|123592](#) RecName: Full=Heat shock 70 kDa protein
[gi|123603](#) RecName: Full=Heat shock 70 kDa protein
[gi|55824402](#) heat shock protein 70 cytosolic isoform [Cryptobia salmositica]
[gi|23306650](#) heat shock protein 70 [Carpodemonas membranifera]
[gi|71652570](#) hypothetical protein [Trypanosoma cruzi strain CL Brener]
[gi|71419111](#) nascent polypeptide associated complex subunit [Trypanosoma cruzi strain CL Brener]
[gi|71665037](#) kinesin [Trypanosoma cruzi strain CL Brener]
[gi|71422090](#) electron-transfer-flavoprotein, alpha polypeptide [Trypanosoma cruzi strain CL Brener]
[gi|28779462](#) elongation factor-1 alpha [Streblomastix strix]
[gi|71404826](#) hypothetical protein [Trypanosoma cruzi strain CL Brener]
[gi|71403972](#) 3,2-trans-enoyl-CoA isomerase [Trypanosoma cruzi strain CL Brener]
[gi|71665810](#) hypothetical protein [Trypanosoma cruzi strain CL Brener]
[gi|71399904](#) histone H4 [Trypanosoma cruzi strain CL Brener]
[gi|167375825](#) hypothetical protein [Entamoeba dispar SAW760]
[gi|71664019](#) hypothetical protein [Trypanosoma cruzi strain CL Brener]
[gi|71655108](#) hypothetical protein [Trypanosoma cruzi strain CL Brener]
[gi|71667211](#) hypothetical protein [Trypanosoma cruzi strain CL Brener]
[gi|71660723](#) hypothetical protein [Trypanosoma cruzi strain CL Brener]
[gi|71403618](#) hypothetical protein Tc00.1047053504411.10 [Trypanosoma cruzi strain CL Brener]
[gi|58414949](#) polyubiquitin [Stauracon pallidus]
[gi|33358312](#) ubiquitin-like protein Ublp94.4 [Acanthamoeba castellanii]
[gi|154411942](#) hypothetical protein [Trichomonas vaginalis G3]
[gi|9954108](#) RNA binding protein RGGm [Trypanosoma cruzi]
[gi|71404616](#) hypothetical protein [Trypanosoma cruzi strain CL Brener]
[gi|71660349](#) hypothetical protein [Trypanosoma cruzi strain CL Brener]
[gi|71425751](#) centrin [Trypanosoma cruzi strain CL Brener]
[gi|53829568](#) HSP70 [Ministeria vibrans]
[gi|84105385](#) cytosolic heat shock protein 70 [Malawimonas jakobiformis]
[gi|71664824](#) mucin TcMUCII [Trypanosoma cruzi strain CL Brener]

gi 71411561	hypothetical protein [Trypanosoma cruzi strain CL Brener]
gi 1322226	elongation factor 1 alpha
gi 71665461	enolase [Trypanosoma cruzi strain CL Brener]
gi 71412664	hypothetical protein [Trypanosoma cruzi strain CL Brener]
gi 71402512	eukaryotic translation initiation factor 2 subunit [Trypanosoma cruzi strain CL Brener]
gi 71649424	hypothetical protein [Trypanosoma cruzi strain CL Brener]
gi 71412308	hypothetical protein [Trypanosoma cruzi strain CL Brener]
gi 1170958	RecName: Full=Macrophage infectivity potentiator; AltName: Full=Peptidyl-prolyl cis-trans isomerase
gi 71398774	hypothetical protein [Trypanosoma cruzi strain CL Brener]
gi 71399257	hypothetical protein [Trypanosoma cruzi strain CL Brener]
gi 886414	TCJ2 [Trypanosoma cruzi]
gi 71666956	hypothetical protein [Trypanosoma cruzi strain CL Brener]
gi 71408304	ubiquitin-like protein [Trypanosoma cruzi strain CL Brener]
gi 167536654	hypothetical protein [Monosiga brevicollis MX1]
gi 154346020	cullin-like protein [Leishmania braziliensis MHOM/BR/75/M2904]
gi 120679	RecName: Full=Glyceraldehyde-3-phosphate dehydrogenase, glycosomal; Short=GAPDH
gi 71653479	cytochrome b5-like [Trypanosoma cruzi strain CL Brener]
gi 71659820	calmodulin [Trypanosoma cruzi strain CL Brener]
gi 133055	60S acidic ribosomal protein P1
gi 71418715	60S acidic ribosomal protein [Trypanosoma cruzi strain CL Brener]
gi 27734387	polyubiquitin [Euglypha rotunda]

Probability Based Mowse Score

Ions score is $-10 \cdot \log(P)$, where P is the probability that the observed match is a random event.

Individual ions scores > 42 indicate identity or extensive homology ($p < 0.05$).

Protein scores are derived from ions scores as a non-probabilistic basis for ranking protein hits.

 Score Distribution

Peptide Summary Report

Format As Peptide Summary

[Help](#)

Significance threshold p< 0.05

Max. number of hits AUTO

Standard scoring ☐ MudPIT scoring ☒ Ions score cut-off 0Show sub-sets ☐Show pop-ups ☒ Suppress pop-ups ☐ Sort unassigned Decreasing ScoreRequire bold red ☐

Select All

Select None

Search Selected

☐ Error tolerant

Archive Report

1. [gi|71655864](#) Mass: 23105 Score: 377 Queries matched: 9

I/6 autoantigen [Trypanosoma cruzi strain CL Brener]

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

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Peptide
☒ 1515	623.26	1244.52	1244.60	-0.09	0	82	3.3e-06	1	M.PISPAAFEER.H
☒ 1545	636.22	1270.43	1270.53	-0.10	0	66	0.00012	1	R.LMEAMYGDEGR.V
☒ 1554	639.76	1277.51	1277.61	-0.10	0	93	2.5e-07	1	K.LSSIEEATDSAR.Y
☒ 1919	585.96	1754.85	1754.99	-0.14	0	(37)	0.087	1	K.VIPPSLALVAALESGYR.F
☒ 1920	878.47	1754.92	1754.99	-0.07	0	88	7.6e-07	1	K.VIPPSLALVAALESGYR.F
☒ 1924	882.38	1762.74	1762.93	-0.18	1	66	0.00012	1	K.KEEPTPPPPPPPPQK.K
☒ 1925	588.60	1762.77	1762.93	-0.15	1	(50)	0.005	1	K.KEEPTPPPPPPPPQK.K
☒ 2262	780.00	2336.98	2337.10	-0.12	0	(52)	0.0029	1	K.TGSSQDALSADEIDALFDVLD.R.E
☒ 2263	1169.50	2336.99	2337.10	-0.10	0	111	3.5e-09	1	K.TGSSQDALSADEIDALFDVLD.R.E

2. [gi|295363](#) Mass: 59349 Score: 374 Queries matched: 8

heat shock protein 60

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

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Peptide
☒ 1264	557.77	1113.52	1113.64	-0.12	0	88	7.9e-07	1	R.AVSAVATTLGPK.G
☒ 1444	602.26	1202.50	1202.58	-0.08	0	102	3.8e-08	1	K.VGGGSEVEVNEK.K
☒ 1495	411.86	1232.56	1232.72	-0.16	0	25	1.8	1	R.LPAHTIVLNAGK.E
☒ 1611	659.79	1317.56	1317.69	-0.13	0	87	1.1e-06	1	R.NVIEQSYGAPK.I
☒ 1629	670.24	1338.47	1338.61	-0.14	0	87	1e-06	1	R.GLIDGETSDYNR.E

✓	1818	798.27	1594.54	1594.78	-0.25	0	69	5.5e-05	1	R.YVNMFEAGIIDPAR.V
✓	1830	806.33	1610.65	1610.78	-0.13	0	(61)	0.00037	1	R.YVNMFEAGIIDPAR.V + Oxidation (M)
✓	1881	846.85	1691.68	1691.81	-0.13	0	92	3.6e-07	1	K.VLENNDVTVGYDAQR.D

Proteins matching the same set of peptides:

[gi|3023478](#) Mass: 59374 Score: 374 Queries matched: 8
 RecName: Full=Chaperonin HSP60, mitochondrial; Short=Protein Cpn60; AltName: Full=groEL protein; Al
[gi|71665064](#) Mass: 59351 Score: 374 Queries matched: 8
 chaperonin HSP60, mitochondrial precursor [Trypanosoma cruzi strain CL Brener]
[gi|71665068](#) Mass: 59129 Score: 374 Queries matched: 8
 chaperonin HSP60, mitochondrial precursor [Trypanosoma cruzi strain CL Brener]

3. [gi|50659756](#) Mass: 71330 Score: 343 Queries matched: 14

heat shock protein 70 [Trypanosoma cruzi]

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

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Peptide
✓ 1005	502.71	1003.40	1003.48	-0.08	0	50	0.0051	1	R.LSEEEIER.M
1453	605.68	1209.34	1209.48	-0.14	0	4	1.8e+02	3	R.EAAEFEDR.K
✓ 1505	619.79	1237.56	1237.63	-0.07	0	75	1.4e-05	1	R.NSLESVAYSLR.N
✓ 282	650.24	1298.46	1298.62	-0.16	0	43	0.079	1	K.FEELNMELFK.G
✓ 1679	468.53	1402.57	1402.73	-0.16	1	55	0.0019	1	K.LSADDKSAVEAAVK.E
✓ 1704	479.84	1436.51	1436.68	-0.18	0	(23)	2.3	1	K.GDVHIIPNDMGNR.I
✓ 1705	719.27	1436.53	1436.68	-0.16	0	37	0.086	1	K.GDVHIIPNDMGNR.I
✓ 1714	725.28	1448.56	1448.75	-0.20	0	68	8.4e-05	1	R.ITPSVVAFTETER.L
✓ 1715	725.34	1448.66	1448.75	-0.10	0	(67)	9.7e-05	1	R.ITPSVVAFTETER.L
✓ 1717	727.27	1452.52	1452.68	-0.16	0	(24)	2	1	K.GDVHIIPNDMGNR.I + Oxidation (M)
✓ 1746	742.37	1482.72	1482.84	-0.12	1	78	8.2e-06	1	R.DKLQSVTNPIIQK.V
✓ 2136	1054.37	2106.72	2106.88	-0.16	0	74	2.1e-05	1	K.VYQSGGGADGDERPEPMDDL.-
✓ 2137	703.25	2106.73	2106.88	-0.15	0	(29)	0.65	1	K.VYQSGGGADGDERPEPMDDL.-
✓ 2318	833.91	2498.70	2499.05	-0.35	1	82	4.6e-06	1	K.EAMQFLDDNPADKEEYDEAR.D

Proteins matching the same set of peptides:

[gi|71415505](#) Mass: 71272 Score: 343 Queries matched: 14

glucose-regulated protein 78 [Trypanosoma cruzi strain CL Brener]

4. [gi|71425779](#) Mass: 23211 Score: 337 Queries matched: 9

I/6 autoantigen [Trypanosoma cruzi strain CL Brener]

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

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Peptide
666	427.16	852.31	852.45	-0.14	0	25	1.4	3	R.YPGFLTR.D
1515	623.26	1244.52	1244.60	-0.09	0	82	3.3e-06	1	M.PISPAAFEER.H
1545	636.22	1270.43	1270.53	-0.10	0	66	0.00012	1	R.LMEAMYDEGR.V
1554	639.76	1277.51	1277.61	-0.10	0	93	2.5e-07	1	K.LSSIEEATDSAR.Y
☒ 1917	585.26	1752.76	1752.90	-0.15	1	49	0.0062	1	K.KEEPTSPPPPPPQK.K
1919	585.96	1754.85	1754.99	-0.14	0	(37)	0.087	1	K.VIPPSLALVAALVSGYR.F
1920	878.47	1754.92	1754.99	-0.07	0	88	7.6e-07	1	K.VIPPSLALVAALVSGYR.F
2262	780.00	2336.98	2337.10	-0.12	0	(52)	0.0029	1	K.TGSSQDALSADEIDALFDVLR.E
2263	1169.50	2336.99	2337.10	-0.10	0	111	3.5e-09	1	K.TGSSQDALSADEIDALFDVLR.E

5. [gi|71400377](#) Mass: 85164 Score: 309 Queries matched: 13

microtubule-associated protein [Trypanosoma cruzi strain CL Brener]

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

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Peptide
☒ 1716	726.82	1451.62	1451.73	-0.11	0	79	6.1e-06	1	R.ALPLEEQEDVGPR.H
☒ 1718	727.30	1452.59	1452.71	-0.12	0	77	9.7e-06	1	R.ALPLEEEEDVGPR.H
☒ 1724	734.29	1466.57	1466.70	-0.13	0	67	0.00011	1	R.AL PQEEQEDVGPR.H
☒ 1725	489.87	1466.57	1466.70	-0.13	0	(30)	0.52	1	R.AL PQEEQEDVGPR.H
☒ 1728	734.79	1467.57	1467.68	-0.11	0	74	1.7e-05	1	R.AL PQEEEEEDVGPR.H
☒ 1729	734.80	1467.58	1467.68	-0.10	0	(73)	2.1e-05	1	R.AL PQEEEEEDVGPR.H
☒ 40	490.61	1468.79	1468.74	0.05	0	14	40	1	R.AL LLEEEEDVGPR.H
☒ 1825	536.84	1607.50	1607.83	-0.33	1	19	6.9	1	K.RALPLEEQEDVGPR.H
☒ 1837	812.33	1622.64	1622.80	-0.16	1	58	0.00065	1	K.RAL PQEEQEDVGPR.H
☒ 1838	542.23	1623.67	1623.79	-0.12	1	54	0.002	1	K.RAL PQEEEEEDVGPR.H
☒ 1943	899.84	1797.66	1797.85	-0.20	0	34	0.2	1	R.STTQDAYRPVDPSAYK.R
☒ 1944	600.23	1797.66	1797.85	-0.19	0	(27)	1	1	R.STTQDAYRPVDPSAYK.R
☒ 1945	600.25	1797.74	1797.85	-0.11	0	(18)	7.6	1	R.STTQDAYRPVDPSAYK.R

6. [gi|3885846](#) Mass: 9102 Score: 231 Queries matched: 4
beta tubulin [Trypanosoma cruzi]

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

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Peptide
☒ 1631	671.31	1340.60	1340.64	-0.03	0	74	2.1e-05	1	R.INVYFDEATGGR.Y
☒ 1978	616.58	1846.73	1846.87	-0.14	0	(57)	0.00099	1	R.EIVCVQAGQCGNQIGSK.F + 2 Carbamidomethyl (C)
☒ 1979	924.37	1846.73	1846.87	-0.14	0	119	6.2e-10	1	R.EIVCVQAGQCGNQIGSK.F + 2 Carbamidomethyl (C)
☒ 2430	1031.76	3092.26	3092.40	-0.14	0	64	0.00016	1	K.FWEVISDEHGVDPGTGTQGDSDLQLER.I

Proteins matching the same set of peptides:

[gi|91983178](#) Mass: 10597 Score: 231 Queries matched: 4
beta tubulin [Crithidia deanei]

[gi|111115853](#) Mass: 49628 Score: 231 Queries matched: 4
beta tubulin [Trypanosoma evansi]

[gi|115504281](#) Mass: 49672 Score: 231 Queries matched: 4
beta tubulin [Trypanosoma brucei]

[gi|166203636](#) Mass: 24112 Score: 231 Queries matched: 4
beta tubulin [Trypanosoma evansi]

[gi|169125731](#) Mass: 49655 Score: 231 Queries matched: 4
beta-tubulin [Trypanosoma evansi]

[gi|1220547](#) Mass: 49410 Score: 231 Queries matched: 4
beta tubulin

[gi|3915883](#) Mass: 49541 Score: 231 Queries matched: 4
Tubulin beta chain (Beta-tubulin)

[gi|18568139](#) Mass: 49668 Score: 231 Queries matched: 4
beta tubulin 1.9 [Trypanosoma cruzi]

[gi|71656281](#) Mass: 49668 Score: 231 Queries matched: 4
beta tubulin [Trypanosoma cruzi strain CL Brener]

[gi|74229926](#) Mass: 49696 Score: 231 Queries matched: 4
beta-tubulin [Trypanosoma danilewskyi]

[gi|91983201](#) Mass: 42807 Score: 231 Queries matched: 4
beta tubulin [Trypanosoma grayi]

7. [gi|71651558](#) Mass: 42796 Score: 204 Queries matched: 9

hypothetical protein [Trypanosoma cruzi strain CL Brener]

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

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Peptide
☒ 819	466.17	930.32	930.48	-0.16	0	45	0.019	1	K.VDLNLSR.R
☒ 1081	518.27	1034.53	1034.56	-0.03	0	37	0.1	1	R.FVLASIEEK.E
☒ 1508	620.25	1238.49	1238.56	-0.07	0	68	7.9e-05	1	K.APEAAAEFDYR.E
☒ 1583	649.25	1296.48	1296.60	-0.12	0	84	2e-06	1	K.VYASQEDMINK.N
☒ 1664	461.87	1382.59	1382.77	-0.18	0	34	0.17	1	K.QDLQHVLIYVR.M
☒ 1748	743.79	1485.57	1485.71	-0.14	0	52	0.003	1	R.SHVQQVWTSVCR.E + Carbamidomethyl (C)
☒ 1791	776.25	1550.49	1550.73	-0.24	0	68	7.4e-05	1	R.QFGDVVLEDECK.D + Carbamidomethyl (C)
☒ 2271	785.64	2353.90	2354.07	-0.16	0	(24)	1.9	1	R.ELGEAAVQEFEEYSSASGAAPGR.R
☒ 2272	1178.00	2353.99	2354.07	-0.08	0	57	0.00078	1	R.ELGEAAVQEFEEYSSASGAAPGR.R

Proteins matching the same set of peptides:

[gi|71662736](#) Mass: 42788 Score: 204 Queries matched: 9

hypothetical protein [Trypanosoma cruzi strain CL Brener]

8. [gi|162030](#) Mass: 16829 Score: 189 Queries matched: 7

calmodulin A

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

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Peptide
☒ 1637	675.28	1348.55	1348.62	-0.07	0	74	2.1e-05	1	K.LTDEEVDEMIR.E
☒ 1908	580.60	1738.76	1738.83	-0.06	1	22	3.1	1	R.VFDKDGNGFNAAELR.H
1909	870.39	1738.76	1738.83	-0.06	1	(8)	89	3	R.VFDKDGNGFNAAELR.H
☒ 1976	922.88	1843.74	1843.88	-0.15	1	52	0.0034	1	K.EAFSLFDKDGDTITTK.E
☒ 1977	615.59	1843.74	1843.88	-0.14	1	(47)	0.01	1	K.EAFSLFDKDGDTITTK.E
☒ 906	964.19	1926.37	1926.85	-0.47	0	78	2.5e-05	1	R.EADVGDGQINYEELVK.M
☒ 277	647.95	1940.81	1940.88	-0.07	2	43	0.087	1	R.KMQSDSDEEIKEAFR.V

9. [gi|71413559](#) Mass: 44080 Score: 183 Queries matched: 7

hypothetical protein [Trypanosoma cruzi strain CL Brener]

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

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Peptide
☒ 1285	563.24	1124.47	1124.63	-0.16	0	(19)	6.2	1	R.QFIPASLPPR.Q
☒ 126	563.25	1124.49	1124.63	-0.14	0	38	0.21	1	R.QFIPASLPPR.Q
☒ 1308	568.73	1135.44	1135.56	-0.12	0	55	0.0015	1	K.GVEDVEPVHR.K
☒ 1418	594.27	1186.52	1186.63	-0.12	0	58	0.00082	1	K.ALTEEWILGR.K
☒ 1701	717.82	1433.63	1433.71	-0.08	0	66	0.00012	1	R.FHEQTSVNLFGFR.A
☒ 1882	846.90	1691.78	1691.85	-0.07	0	90	5.7e-07	1	K.ANESLDVLNLGQYTR.E
☒ 2018	637.26	1908.76	1908.97	-0.21	0	43	0.022	1	K.DLVEAPARPASANAAAGGSGK.K

10. [gi|71407337](#) Mass: 16350 Score: 170 Queries matched: 7
hypothetical protein [Trypanosoma cruzi strain CL Brener]

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

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Peptide
☒ 934	488.18	974.34	974.45	-0.12	0	39	0.082	1	K.NMYTGVYK.A
☒ 68	519.21	1036.41	1036.54	-0.14	0	34	0.5	1	K.ITLSDFVDK.A
☒ 1085	519.21	1036.41	1036.54	-0.13	0	(26)	1.2	1	K.ITLSDFVDK.A
☒ 1209	545.73	1089.44	1089.54	-0.11	0	72	3.6e-05	1	R.NSGSLSGVVDR.R
☒ 1380	583.29	1164.56	1164.64	-0.08	1	77	9.5e-06	1	R.KITLSDFVDK.A
☒ 1762	750.33	1498.65	1498.73	-0.08	0	42	0.031	1	K.QFTSTDADLLFNK.V
☒ 1965	917.88	1833.75	1833.84	-0.10	0	77	1e-05	1	K.SAEELIADISSCSPEAR.A + Carbamidomethyl (C)

11. [gi|10673](#) Mass: 14649 Score: 169 Queries matched: 5
unnamed protein product [Trypanosoma cruzi]

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

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Peptide
477	383.18	764.34	764.43	-0.08	0	23	2.3	4	- .MQIFVK.T
☒ 1155	533.24	1064.47	1064.55	-0.08	0	69	6.1e-05	1	R.TLADYNIQK.E
☒ 1164	534.28	1066.55	1066.61	-0.07	0	55	0.0016	1	K.ESTLHLVLR.L
☒ 1779	508.55	1522.63	1522.77	-0.15	1	25	1.6	1	K.IQDKEGIPDQQR.L

✓ 1914 874.39 1746.76 1746.89 -0.13 0 124 2.1e-10 1 K.TIALEVESSDTIENVK.A

Proteins matching the same set of peptides:

[gi|10674](#) Mass: 8763 Score: 169 Queries matched: 5
unnamed protein product [Trypanosoma cruzi]
[gi|136677](#) Mass: 8504 Score: 169 Queries matched: 5
RecName: Full=Ubiquitin
[gi|162337](#) Mass: 40106 Score: 169 Queries matched: 5
ubiquitin precursor

12. [gi|119859](#) Mass: 23721 Score: 162 Queries matched: 7
RecName: Full=Flagellar calcium-binding protein; Short=FCABP; AltName: Full=1F8 protein; AltName: F

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

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Peptide
✓ 707	439.17	876.33	876.43	-0.11	0	50	0.0061	1	K.LDEFTPR.V
✓ 980	495.22	988.43	988.52	-0.09	0	65	0.00015	1	K.VEDPAALFK.E
✓ 1686	707.72	1413.42	1413.59	-0.17	0	52	0.0037	1	K.LDADGDPDNPESA.-
1687	707.79	1413.57	1413.59	-0.02	0	(13)	23	2	K.LDADGDPDNPESA.-
✓ 1736	737.82	1473.62	1473.68	-0.06	0	69	5.8e-05	1	K.GSEDFVEFLEFR.L
✓ 1957	911.35	1820.68	1820.84	-0.16	0	55	0.0017	1	K.LCYDEVHSGCLEVLK.L + 2 Carbamidomethyl (C)
✓ 1958	607.91	1820.70	1820.84	-0.15	0	(38)	0.078	1	K.LCYDEVHSGCLEVLK.L + 2 Carbamidomethyl (C)

Proteins matching the same set of peptides:

[gi|1552212](#) Mass: 23727 Score: 162 Queries matched: 7
calcium-binding protein [Trypanosoma cruzi]
[gi|71406002](#) Mass: 23827 Score: 162 Queries matched: 7
flagellar calcium-binding protein [Trypanosoma cruzi strain CL Brener]
[gi|71406004](#) Mass: 23799 Score: 162 Queries matched: 7
flagellar calcium-binding protein [Trypanosoma cruzi strain CL Brener]
[gi|71412217](#) Mass: 23707 Score: 162 Queries matched: 7
calcium-binding protein [Trypanosoma cruzi strain CL Brener]
[gi|71656918](#) Mass: 23713 Score: 162 Queries matched: 7
flagellar calcium-binding protein [Trypanosoma cruzi strain CL Brener]

13. [gi|71667953](#) Mass: 45869 Score: 153 Queries matched: 8

hypothetical protein [Trypanosoma cruzi strain CL Brener]

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

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Peptide
☒ 782	456.67	911.32	911.41	-0.10	0	35	0.12	1	R.FEEFANR.A
☒ 1139	529.77	1057.53	1057.60	-0.08	0	70	5.3e-05	1	K.LQVELLDTK.H
☒ 1446	602.78	1203.55	1203.63	-0.09	0	39	0.061	1	R.IQSILSETGEK.E
☒ 1509	620.29	1238.57	1238.54	0.03	0	46	0.01	1	K.ETQEYVDEAR.L
☒ 1591	650.81	1299.61	1299.70	-0.09	0	87	1.4e-06	1	R.LEELQAELLSR.Q
☒ 1665	462.16	1383.45	1383.64	-0.19	0	40	0.044	1	R.HHSDDEVAAYIK.E
☒ 1666	692.75	1383.48	1383.64	-0.17	0	(30)	0.47	1	R.HHSDDEVAAYIK.E
☒ 1696	714.33	1426.64	1426.73	-0.09	0	52	0.0032	1	K.ELPELQVLSedr.A

14. [gi|71399455](#) Mass: 24752 Score: 139 Queries matched: 2

surface protein TolT [Trypanosoma cruzi strain CL Brener]

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

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Peptide
☒ 1421	594.80	1187.58	1187.64	-0.06	0	68	9e-05	1	R.AAEQTVLSLEK.A
☒ 1763	750.88	1499.74	1499.83	-0.09	0	110	4.3e-09	1	R.TLAQDVAATASALLR.Q

Proteins matching the same set of peptides:

[gi|71402301](#) Mass: 32319 Score: 139 Queries matched: 2

surface protein TolT [Trypanosoma cruzi strain CL Brener]

15. [gi|71401084](#) Mass: 12749 Score: 136 Queries matched: 2

(H⁺)-ATPase G subunit [Trypanosoma cruzi strain CL Brener]

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

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Peptide
☒ 1414	593.81	1185.60	1185.64	-0.03	0	67	9.7e-05	1	R.GTELQLQLR.T
☒ 1875	843.38	1684.74	1684.84	-0.10	0	108	7.6e-09	1	R.AQQLSGADAENLELAR.G

Proteins matching the same set of peptides:

[gi|71424114](#) Mass: 12763 Score: 136 Queries matched: 2
(H+)-ATPase G subunit [Trypanosoma cruzi strain CL Brener]

16. [gi|71659663](#) Mass: 31532 Score: 127 Queries matched: 2
hypothetical protein [Trypanosoma cruzi strain CL Brener]

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

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Peptide
☒ 588	818.29	1634.56	1634.78	-0.22	0	124	6.3e-10	1	R.MVSENEAINDVVT.K
☒ 2352	880.04	2637.09	2637.29	-0.20	0	33	0.21	1	K.VPNDVPSCAQVDHSLVQELQK.R + Carbamidomethyl (C)

17. [gi|71664216](#) Mass: 18525 Score: 126 Queries matched: 2
heat shock 70 kDa protein, mitochondrial precursor [Trypanosoma cruzi strain CL Brener]

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

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Peptide
☒ 2395	963.67	2887.98	2888.23	-0.25	0	67	0.00012	1	R.TEYQAAAAANSSSSSGNTDSSQGEQQQK.G
☒ 2481	1149.13	3444.38	3444.49	-0.11	1	79	4.9e-06	1	R.TEYQAAAAANSSSSSGNTDSSQGEQQQKGDQQK.Q

18. [gi|71651158](#) Mass: 16325 Score: 123 Queries matched: 7
hypothetical protein [Trypanosoma cruzi strain CL Brener]

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

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Peptide
934	488.18	974.34	974.45	-0.12	0	39	0.082	1	K.NMYTGVYK.A
68	519.21	1036.41	1036.54	-0.14	0	34	0.5	1	K.ITLSDFVDK.A
1085	519.21	1036.41	1036.54	-0.13	0	(26)	1.2	1	K.ITLSDFVDK.A
1209	545.73	1089.44	1089.54	-0.11	0	72	3.6e-05	1	R.NSGSLSGVVDK.R
1380	583.29	1164.56	1164.64	-0.08	1	77	9.5e-06	1	R.KITLSDFVDK.A
1762	750.33	1498.65	1498.73	-0.08	0	42	0.031	1	K.QFTSTDADLLFNK.V
☒ 1987	932.24	1862.46	1861.87	0.58	0	16	27	1	K.SVEELIADISSCSPEAR.A + Carbamidomethyl (C)

19. [gi|71410853](#) Mass: 10694 Score: 110 Queries matched: 5

10 kDa heat shock protein [Trypanosoma cruzi strain CL Brener]

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

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Peptide
646	423.68	845.34	845.43	-0.09	0	13	36	2	K.DWTPTVK.V
1406	591.31	1180.61	1180.68	-0.08	0	28	0.61	2	K.AGVLIPEQVAGK.V
☒ 1620	443.88	1328.61	1328.73	-0.12	0	(52)	0.0031	1	K.VNEGTVVAVAAATK.D
☒ 1621	665.32	1328.62	1328.73	-0.11	0	94	2.1e-07	1	K.VNEGTVVAVAAATK.D
☒ 1860	831.87	1661.72	1661.85	-0.13	0	28	0.82	1	K.VDDTVLLPEFGGSSVK.V

Proteins matching the same set of peptides:

[gi|71410857](#) Mass: 20085 Score: 110 Queries matched: 5

10 kDa heat shock protein [Trypanosoma cruzi strain CL Brener]

20. [gi|71402480](#) Mass: 37891 Score: 106 Queries matched: 3

hypothetical protein [Trypanosoma cruzi strain CL Brener]

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

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Peptide
☒ 1287	563.78	1125.55	1125.64	-0.09	0	38	0.081	1	R.SLIPDDVIR.D
☒ 1520	626.79	1251.56	1251.68	-0.12	0	105	1.4e-08	1	R.HAELVQLSDLK.E
1573	646.32	1290.63	1290.69	-0.06	1	8	86	9	K.EVLRTFIEER.R

Proteins matching the same set of peptides:

[gi|71418019](#) Mass: 37850 Score: 106 Queries matched: 3

hypothetical protein [Trypanosoma cruzi strain CL Brener]

21. [gi|71404821](#) Mass: 88843 Score: 103 Queries matched: 1

trans-sialidase [Trypanosoma cruzi strain CL Brener]

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

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Peptide
☒ 2045	984.85	1967.68	1967.86	-0.18	0	103	2.4e-08	1	K.ATGSSAGEDSESSGAAGTDLAK.G

Proteins matching the same set of peptides:

[gi|71393748](#) Mass: 37829 Score: 103 Queries matched: 1
trans-sialidase [Trypanosoma cruzi strain CL Brener]

22. [gi|12083381](#) Mass: 64218 Score: 102 Queries matched: 1

antigen 38 [Trypanosoma cruzi]

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

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Peptide
☒ 2369	905.73	2714.17	2714.05	0.12	1	102	2.2e-08	1	R.YRDEEEMDDEGGLEEAQEGNDER.E

Proteins matching the same set of peptides:

[gi|71410919](#) Mass: 63977 Score: 102 Queries matched: 1
lectin [Trypanosoma cruzi strain CL Brener]

23. [gi|71405064](#) Mass: 10861 Score: 99 Queries matched: 2

60S acidic ribosomal protein P2 [Trypanosoma cruzi strain CL Brener]

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

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Peptide
☒ 1269	558.74	1115.47	1115.62	-0.15	0	87	1.1e-06	1	R.SVATLVAEAAK.M
☒ 2365	902.41	2704.21	2704.36	-0.15	0	43	0.018	1	K.MSAVAVSAAPAAGGAAAPAAAAGGAAAPAAADAK.K

24. [gi|71423525](#) Mass: 24104 Score: 98 Queries matched: 1

vesicle-associated membrane protein [Trypanosoma cruzi strain CL Brener]

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

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Peptide
☒ 2290	1197.55	2393.09	2393.09	-0.00	0	98	6.2e-08	1	K.ITALNDDINQVVDVMMDNMDK.V

Proteins matching the same set of peptides:

[gi|72389462](#) Mass: 24386 Score: 98 Queries matched: 1

vesicle-associated membrane protein [Trypanosoma brucei TREU927]

25. [gi|71413591](#) Mass: 16740 Score: 94 Queries matched: 2

hypothetical protein [Trypanosoma cruzi strain CL Brener]

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

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Peptide
☒ 1745	741.80	1481.60	1481.75	-0.15	0	94	2e-07	1	K.TETVSSTETVTTK.N
98	544.22	1629.64	1629.79	-0.14	0	13	67	2	K.NVPTAANVPHDAGPDR.L

26. [gi|71648964](#) Mass: 52877 Score: 92 Queries matched: 2

hypothetical protein [Trypanosoma cruzi strain CL Brener]

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

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Peptide
☒ 1842	815.33	1628.64	1628.78	-0.14	0	92	3.2e-07	1	R.QLQESENLLQER.A
☒ 1843	543.89	1628.64	1628.78	-0.13	0	(16)	13	1	R.QLQESENLLQER.A

Proteins matching the same set of peptides:

[gi|71659037](#) Mass: 52427 Score: 92 Queries matched: 2

hypothetical protein [Trypanosoma cruzi strain CL Brener]

27. [gi|71659778](#) Mass: 61371 Score: 91 Queries matched: 3

poly(A)-binding protein [Trypanosoma cruzi strain CL Brener]

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

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Peptide
☒ 1389	585.79	1169.57	1169.64	-0.07	0	75	1.2e-05	1	K.VQEALVLR.H
☒ 1799	522.60	1564.78	1564.87	-0.09	0	(32)	0.36	1	R.LYNHIVAINPAAAAK.V
☒ 1800	783.40	1564.79	1564.87	-0.08	0	52	0.003	1	R.LYNHIVAINPAAAAK.V

Proteins matching the same set of peptides:

[gi|159162751](#) Mass: 9085 Score: 91 Queries matched: 3

Chain A, Solution Structure Of C-Terminal Domain From Trypanosoma Cruzi Poly(A)-Binding Protein

28. [gi|5726483](#) Mass: 16775 Score: 87 Queries matched: 1
nucleoside diphosphate kinase [Trypanosoma brucei]

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

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Peptide
☒ 1884	847.91	1693.81	1693.94	-0.13	0	87	7.9e-07	1	R.VLLGATNPADSLPGTIR.G

Proteins matching the same set of peptides:

[gi|71667532](#) Mass: 16868 Score: 87 Queries matched: 1
nucleoside diphosphate kinase [Trypanosoma cruzi strain CL Brener]

[gi|74026208](#) Mass: 16847 Score: 87 Queries matched: 1
nucleoside diphosphate kinase [Trypanosoma brucei TREU927]

29. [gi|463375](#) Mass: 8572 Score: 87 Queries matched: 4
ubiquitin

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

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Peptide
477	383.18	764.34	764.43	-0.08	0	23	2.3	4	- .MQIFVK.T
1164	534.28	1066.55	1066.61	-0.07	0	55	0.0016	1	K.ESTLHLVLR.L
1779	508.55	1522.63	1522.77	-0.15	1	25	1.6	1	K.IQDKEGIPPDQQR.L
☒ 1939	894.35	1786.69	1786.92	-0.23	0	66	0.00014	1	R.TITLEVEPSDTIENVK.A

Proteins matching the same set of peptides:

[gi|7799051](#) Mass: 17236 Score: 87 Queries matched: 4
ubiquitin [Cyanidium caldarium]

30. [gi|76781043](#) Mass: 7341 Score: 85 Queries matched: 3
polyubiquitin [Massisteria marina]

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

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Peptide
1155	533.24	1064.47	1064.55	-0.08	0	69	6.1e-05	1	R.TLADYNIQK.E

1164	534.28	1066.55	1066.61	-0.07	0	55	0.0016	1	K.ESTLHLVLR.L
☒ 1915	583.96	1748.85	1748.87	-0.02	0	12	33	1	K.TITLDVSDTIENVK.Q

31. [gi|71656402](#) Mass: 143742 Score: 83 Queries matched: 1

hypothetical protein [Trypanosoma cruzi strain CL Brener]

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

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Peptide
☒ 1821	801.33	1600.65	1600.77	-0.12	0	83	2.3e-06	1	R.GLQEVSEQAEDLQR.Q

Proteins matching the same set of peptides:

[gi|71409302](#) Mass: 132032 Score: 83 Queries matched: 1

hypothetical protein [Trypanosoma cruzi strain CL Brener]

32. [gi|71407515](#) Score: 79 Queries matched: 2

heat shock 70 kDa protein, mitochondrial precursor [Trypanosoma cruzi strain CL Brener]

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

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Peptide
1535	630.80	1259.59	1259.65	-0.06	1	16	16	2	K.QCIKDAAVDLK.E + Carbamidomethyl (C)
2481	1149.13	3444.38	3444.45	-0.07	0	79	4.9e-06	1	R.TEYQQAAAANSSSSGNTDSSQGEQQQQGDQK.Q

33. [gi|55824400](#) Mass: 66906 Score: 78 Queries matched: 3

heat shock protein 70 cytosolic isoform [Rhynchobodo ATCC50359]

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

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Peptide
☒ 1488	614.76	1227.51	1227.62	-0.11	0	66	0.00014	1	R.VEIIANDQGNR.T
1744	741.35	1480.69	1480.81	-0.13	1	18	10	4	K.RSVHDVVLVGGSTR.I
☒ 1751	744.30	1486.59	1486.69	-0.10	0	52	0.0029	1	R.TTPSYVAFTDTER.L

34. [gi|89329739](#) Mass: 53354 Score: 78 Queries matched: 3

heat shock protein 70 [Capsaspora owczaraki]

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

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Peptide
1488	614.76	1227.51	1227.62	-0.11	0	66	0.00014	1	K.VEIIANDQGNR.T
282	650.24	1298.46	1298.60	-0.14	0	16	40	4	R.FEELCADLFR.G + Carbamidomethyl (C)
1751	744.30	1486.59	1486.69	-0.10	0	52	0.0029	1	R.TTPSYVAFTDTER.L

35. [gi|71403916](#) Mass: 30716 Score: 76 Queries matched: 4
elongation factor 1-alpha (EF-1-alpha) [Trypanosoma cruzi strain CL Brener]

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

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Peptide
☒ 935	488.28	974.54	974.54	-0.00	0	52	0.0048	1	R.LPLQDVYK.I
☒ 1056	513.25	1024.50	1024.60	-0.11	0	61	0.00037	1	K.IGGIGTVPVGR.V
☒ 2316	831.02	2490.04	2490.27	-0.22	0	32	0.25	1	R.VETGTMKPGDVVTFAPANVTTEVK.S
☒ 2322	836.35	2506.02	2506.26	-0.25	0	(27)	0.83	1	R.VETGTMKPGDVVTFAPANVTTEVK.S + Oxidation (M)

Proteins matching the same set of peptides:

[gi|704459](#) Mass: 43546 Score: 76 Queries matched: 4
elongation factor 1 alpha [Trypanosoma cruzi]
[gi|1929445](#) Mass: 49018 Score: 76 Queries matched: 4
elongation factor 1-alpha [Trypanosoma cruzi]
[gi|52424046](#) Mass: 49067 Score: 76 Queries matched: 4
elongation factor alpha G5 [Trypanosoma cruzi]
[gi|61207234](#) Mass: 47727 Score: 76 Queries matched: 4
elongation factor 1-alpha [Trypanosoma cruzi]
[gi|61207240](#) Mass: 47728 Score: 76 Queries matched: 4
elongation factor 1-alpha [Trypanosoma cruzi]
[gi|61207250](#) Mass: 47741 Score: 76 Queries matched: 4
elongation factor 1-alpha [Trypanosoma cruzi]
[gi|61207254](#) Mass: 47727 Score: 76 Queries matched: 4
elongation factor 1-alpha [Trypanosoma cruzi]
[gi|61207256](#) Mass: 47843 Score: 76 Queries matched: 4
elongation factor 1-alpha [Trypanosoma cruzi]

[gi|61207270](#) Mass: 48276 Score: 76 Queries matched: 4
 elongation factor 1-alpha [Trypanosoma cruzi]
[gi|61207272](#) Mass: 47767 Score: 76 Queries matched: 4
 elongation factor 1-alpha [Trypanosoma cruzi]
[gi|61207276](#) Mass: 47784 Score: 76 Queries matched: 4
 elongation factor 1-alpha [Trypanosoma cruzi]
[gi|61207288](#) Mass: 47711 Score: 76 Queries matched: 4
 elongation factor 1-alpha [Trypanosoma cruzi]
[gi|61207290](#) Mass: 47769 Score: 76 Queries matched: 4
 elongation factor 1-alpha [Trypanosoma cruzi]
[gi|61207296](#) Mass: 47667 Score: 76 Queries matched: 4
 elongation factor 1-alpha [Trypanosoma cruzi]
[gi|61207306](#) Mass: 47815 Score: 76 Queries matched: 4
 elongation factor 1-alpha [Trypanosoma cruzi]
[gi|61207316](#) Mass: 47797 Score: 76 Queries matched: 4
 elongation factor 1-alpha [Trypanosoma cruzi]
[gi|71403912](#) Mass: 48316 Score: 76 Queries matched: 4
 elongation factor 1-alpha (EF-1-alpha) [Trypanosoma cruzi strain CL Brener]
[gi|71403914](#) Mass: 49125 Score: 76 Queries matched: 4
 elongation factor 1-alpha (EF-1-alpha) [Trypanosoma cruzi strain CL Brener]
[gi|71408910](#) Mass: 49083 Score: 76 Queries matched: 4
 elongation factor 1-alpha (EF-1-alpha) [Trypanosoma cruzi strain CL Brener]
[gi|71408922](#) Mass: 42751 Score: 76 Queries matched: 4
 elongation factor 1-alpha (EF-1-alpha) [Trypanosoma cruzi strain CL Brener]
[gi|71664927](#) Mass: 49097 Score: 76 Queries matched: 4
 elongation factor 1-alpha (EF-1-alpha) [Trypanosoma cruzi strain CL Brener]

36. [gi|7327288](#) Mass: 4425 Score: 75 Queries matched: 4
 microtubule associated protein homolog [Trypanosoma cruzi]

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

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Peptide
☒ 1557	642.75	1283.50	1283.56	-0.07	0	65	0.00014	1	M.PQEEEDVGPR.H
1943	899.84	1797.66	1797.85	-0.20	0	34	0.2	1	R.STTQDAYRPVDPSAYK.R
1944	600.23	1797.66	1797.85	-0.19	0	(27)	1	1	R.STTQDAYRPVDPSAYK.R
1945	600.25	1797.74	1797.85	-0.11	0	(18)	7.6	1	R.STTQDAYRPVDPSAYK.R

37. [gi|50660742](#) Mass: 33848 Score: 74 Queries matched: 3
translation elongation factor 1 alpha [Phytophthora fragariae var. rubi]

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

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Peptide
935	488.28	974.54	974.54	-0.00	0	52	0.0048	1	R.LPLQDVYK.I
1056	513.25	1024.50	1024.60	-0.11	0	61	0.00037	1	K.IGGIGTVPVGR.V
☒ 632	842.05	2523.13	2523.21	-0.08	0	21	11	1	K.SVEMHHESLLEAVPGDNVGFNVK.N + Oxidation (M)

38. [gi|4139170](#) Mass: 49079 Score: 74 Queries matched: 3
elongation translation factor 1 alpha [Cyanophora paradoxa]

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

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Peptide
935	488.28	974.54	974.54	-0.00	0	52	0.0048	1	R.LPLQDVYK.I
1056	513.25	1024.50	1024.60	-0.11	0	61	0.00037	1	K.IGGIGTVPVGR.V
632	842.05	2523.13	2523.15	-0.02	0	19	20	2	K.SVEMHHESMPEALPGDNVGFNVK.N

39. [gi|50660750](#) Mass: 24233 Score: 74 Queries matched: 3
translation elongation factor 1 alpha [Phytophthora hibernalis]

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

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Peptide
935	488.28	974.54	974.54	-0.00	0	52	0.0048	1	R.LPLQDVYK.I
1056	513.25	1024.50	1024.60	-0.11	0	61	0.00037	1	K.IGGIGTVPVGR.V
☒ 2238	765.92	2294.75	2295.02	-0.27	0	15	24	1	K.SVEMHHESVPEAKPGDNVGFN.- + Oxidation (M)

40. [gi|56156697](#) Mass: 44176 Score: 74 Queries matched: 4
elongation factor 1A [Trichia persimilis]

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

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Peptide
-------	----------	----------	----------	-------	------	-------	--------	------	---------

935	488.28	974.54	974.54	-0.00	0	52	0.0048	1	R.IPLQDVYK.I
1056	513.25	1024.50	1024.60	-0.11	0	61	0.00037	1	K.IGGIGTVPVGR.V
1944	600.23	1797.66	1797.93	-0.27	2	3	2.3e+02	5	-.HTTGHLIYKCGGIDKR.T
2316	831.02	2490.04	2490.30	-0.26	0	6	91	5	R.VETGVLPKPGMNVTFSPAGLTTEVK.S + Oxidation (M)

41. [gi|50660710](#) Mass: 33292 Score: 74 Queries matched: 3

translation elongation factor 1 alpha [Phytophthora sojae]

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

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Peptide
935	488.28	974.54	974.54	-0.00	0	52	0.0048	1	R.LPLQDVYK.I
1056	513.25	1024.50	1024.60	-0.11	0	61	0.00037	1	K.IGGIGTVPVGR.V
2470	1116.38	3346.12	3345.59	0.53	0	2	3.5e+02	4	R.DFICNMITGTSQADCAILVVASGVGEFEAGISK.E

42. [gi|71401749](#) Mass: 26271 Score: 70 Queries matched: 2

hypothetical protein [Trypanosoma cruzi strain CL Brener]

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

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Peptide
☒ 2163	717.91	2150.71	2150.91	-0.20	0	71	5.6e-05	1	R.LADHCLASAGNQNTCSSMSK.L + 2 Carbamidomethyl (C)
☒ 2442	1057.16	3168.46	3168.51	-0.04	0	21	3	1	R.GLDVSAEPQSEVCSALAYVTESFFLQHGK.R + Carbamidomethyl (C)

Proteins matching the same set of peptides:

[gi|71415005](#) Mass: 26250 Score: 70 Queries matched: 2

hypothetical protein [Trypanosoma cruzi strain CL Brener]

43. [gi|71408516](#) Mass: 8594 Score: 69 Queries matched: 1

hypothetical protein [Trypanosoma cruzi strain CL Brener]

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

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Peptide
☒ 2215	746.65	2236.93	2237.10	-0.16	0	69	5.8e-05	1	R.YSSPGYVAQKPDGAGGIETVVK.V

44. [gi|71405983](#) Mass: 37298 Score: 69 Queries matched: 1
hypothetical protein [Trypanosoma cruzi strain CL Brener]
☐ Check to include this hit in error tolerant search or archive report

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Peptide
☒ 1850	824.30	1646.58	1646.73	-0.15	0	69	7e-05	1	R.NMIDEDTVEEIDPK.E

Proteins matching the same set of peptides:

[gi|71408335](#) Mass: 37305 Score: 69 Queries matched: 1
hypothetical protein [Trypanosoma cruzi strain CL Brener]

-
45. [gi|1781355](#) Score: 69 Queries matched: 1
histone H2A [Trypanosoma cruzi]
☐ Check to include this hit in error tolerant search or archive report

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Peptide
☒ 1355	578.77	1155.53	1155.56	-0.03	0	69	6.3e-05	1	R.HDDDLGMLLK.D

Proteins matching the same set of peptides:

[gi|2222802](#) Score: 69 Queries matched: 1
[gi|18266856](#) Score: 69 Queries matched: 1
[gi|71409700](#) Score: 69 Queries matched: 1
[gi|71409702](#) Score: 69 Queries matched: 1
[gi|71649895](#) Score: 69 Queries matched: 1
[gi|71664770](#) Score: 69 Queries matched: 1
[gi|71664802](#) Score: 69 Queries matched: 1

-
46. [gi|13384081](#) Mass: 13942 Score: 69 Queries matched: 1
histone H2A [Leishmania infantum]
☐ Check to include this hit in error tolerant search or archive report

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Peptide
1355	578.77	1155.53	1155.56	-0.03	0	69	6.3e-05	1	R.HDDDIGMLLK.N

Proteins matching the same set of peptides:

[gi|16973355](#) Mass: 13841 Score: 69 Queries matched: 1
histone H2A [Leishmania infantum]
[gi|16973359](#) Mass: 13872 Score: 69 Queries matched: 1
histone H2A [Leishmania infantum]

47. [gi|57903381](#) Mass: 40318 Score: 68 Queries matched: 2
heat shock protein 70 [Spumella uniguttata]

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

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Peptide
1488	614.76	1227.51	1227.62	-0.11	0	66	0.00014	1	R.VEIIANDQGNR.T
☒ 1744	741.35	1480.69	1480.80	-0.11	0	42	0.038	1	K.SQVHEIVLVGGSTR.I

48. [gi|10119899](#) Mass: 100749 Score: 68 Queries matched: 2
pyruvate phosphate dikinase 1 [Trypanosoma cruzi]

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

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Peptide
☒ 1467	609.27	1216.52	1216.60	-0.09	0	68	9.2e-05	1	K.TAEETLAAAGQR.V
☒ 580	814.01	2439.00	2439.24	-0.25	0	9	2.2e+02	1	R.LLDPPLHEFVPHEAQAELAK.K

Proteins matching the same set of peptides:

[gi|71658999](#) Mass: 100785 Score: 68 Queries matched: 2
pyruvate phosphate dikinase [Trypanosoma cruzi strain CL Brener]
[gi|7166490](#) Mass: 100767 Score: 68 Queries matched: 2
pyruvate phosphate dikinase [Trypanosoma cruzi strain CL Brener]

49. [gi|71404564](#) Mass: 55484 Score: 66 Queries matched: 2
protein kinase C substrate protein, heavy chain [Trypanosoma cruzi strain CL Brener]

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

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Peptide
☒ 1535	630.80	1259.59	1259.65	-0.06	0	63	0.00028	1	K.LSSSVEIQNR.L

☒ [2387](#) 940.97 2819.89 2820.14 -0.26 0 26 1.7 1 K.VAYDQECDHEPLQCSNVCENPEK.D + 3 Carbamidomethyl (C)

50. [gi|33694252](#) Score: 66 Queries matched: 3

heat shock protein 70 [Rhynchopus sp. ATCC50230]

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

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Peptide
1488	614.76	1227.51	1227.62	-0.11	0	66	0.00014	1	R.VEIIANDQGNR.T
1554	639.76	1277.51	1277.63	-0.12	0	12	32	10	K.DAGTISGMEILR.I + Oxidation (M)
282	650.24	1298.46	1298.60	-0.14	0	16	40	4	R.FEELCADLFR.S + Carbamidomethyl (C)

51. [gi|123592](#) Mass: 56500 Score: 66 Queries matched: 2

RecName: Full=Heat shock 70 kDa protein

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

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Peptide
1488	614.76	1227.51	1227.62	-0.11	0	66	0.00014	1	R.LDIIANDQGNR.T
1744	741.35	1480.69	1480.81	-0.13	1	18	10	4	K.RSVHDVVLVGGSTR.I

52. [gi|123603](#) Score: 66 Queries matched: 2

RecName: Full=Heat shock 70 kDa protein

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

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Peptide
1488	614.76	1227.51	1227.62	-0.11	0	66	0.00014	1	R.VEIIANDQGNR.T
282	650.24	1298.46	1298.60	-0.14	0	14	59	6	R.FEELCGELFR.G + Carbamidomethyl (C)

53. [gi|55824402](#) Score: 66 Queries matched: 2

heat shock protein 70 cytosolic isoform [Cryptobia salmositica]

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

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Peptide
1432	598.26	1194.51	1194.57	-0.05	1	9	50	6	K.DPCGNHRALR.R + Carbamidomethyl (C)

[1488](#) 614.76 1227.51 1227.62 -0.11 0 66 0.00014 1 R.VEIIANDQGNR.T

54. [gi|23306650](#) Score: 66 Queries matched: 2

heat shock protein 70 [Carpodidemonas membranifera]

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

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Peptide
1488	614.76	1227.51	1227.62	-0.11	0	66	0.00014	1	R.VEIIANDQGNR.T
97	542.33	1623.97	1623.82	0.15	0	5	2.8e+02	7	R.TFQVEEISGMVLQK.M + Oxidation (M)

55. [gi|71652570](#) Mass: 19019 Score: 66 Queries matched: 2

hypothetical protein [Trypanosoma cruzi strain CL Brener]

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

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Peptide
☒ 1807	788.30	1574.58	1574.68	-0.10	0	66	0.00014	1	R.NEGDLTNEAAAGEER.E
☒ 2410	1004.42	3010.25	3010.50	-0.25	0	5	1.3e+02	1	K.SQHEQQPPPPPPQQQQGPAVTPVASR.A

56. [gi|71419111](#) Mass: 19554 Score: 61 Queries matched: 1

nascent polypeptide associated complex subunit [Trypanosoma cruzi strain CL Brener]

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

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Peptide
☒ 2075	1012.44	2022.87	2023.00	-0.13	0	61	0.00032	1	R.VEEVPTTAETPETVPAEK.T

Proteins matching the same set of peptides:

[gi|71422974](#) Mass: 19564 Score: 61 Queries matched: 1

nascent polypeptide associated complex subunit [Trypanosoma cruzi strain CL Brener]

57. [gi|71665037](#) Mass: 85375 Score: 61 Queries matched: 1

kinesin [Trypanosoma cruzi strain CL Brener]

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

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Peptide
☒ 2105	690.23	2067.68	2067.95	-0.27	0	61	0.00048	1	R.TDVITQGDAADAHSEQPSAR.R

58. [gi|71422090](#) Mass: 33476 Score: 61 Queries matched: 1
electron-transfer-flavoprotein, alpha polypeptide [Trypanosoma cruzi strain CL Brener]
☐ Check to include this hit in error tolerant search or archive report

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Peptide
☒ 1316	570.27	1138.52	1138.66	-0.14	0	61	0.00037	1	K.ILNELAEPLK.A

Proteins matching the same set of peptides:

[gi|71649252](#) Mass: 33464 Score: 61 Queries matched: 1
electron-transfer-flavoprotein, alpha polypeptide [Trypanosoma cruzi strain CL Brener]

59. [gi|28779462](#) Mass: 44139 Score: 61 Queries matched: 2
elongation factor-1 alpha [Streblomastix strix]
☐ Check to include this hit in error tolerant search or archive report

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Peptide
1056	513.25	1024.50	1024.60	-0.11	0	61	0.00037	1	K.IGGIGTVPVGR.V
☒ 502	777.12	2328.34	2328.15	0.19	2	2	1.2e+03	1	K.QMIVLVNKMDDKSVSFSEAR.Y + 2 Oxidation (M)

60. [gi|71404826](#) Mass: 123383 Score: 60 Queries matched: 2
hypothetical protein [Trypanosoma cruzi strain CL Brener]
☐ Check to include this hit in error tolerant search or archive report

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Peptide
☒ 265	640.35	1278.68	1278.63	0.05	0	60	0.0011	1	R.IMQLDIFDER.A
☒ 1694	713.34	1424.66	1424.70	-0.04	0	18	7.5	1	R.NAGAGDNIPGDVVAR.E

61. [gi|71403972](#) Mass: 39482 Score: 59 Queries matched: 1
3,2-trans-enoyl-CoA isomerase [Trypanosoma cruzi strain CL Brener]

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

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Peptide
☒ 1849	822.82	1643.62	1643.82	-0.20	0	59	0.00062	1	R.MLQLGETPTADEALR.I

Proteins matching the same set of peptides:

[gi|71405843](#) Mass: 45053 Score: 59 Queries matched: 1
3,2-trans-enoyl-CoA isomerase, mitochondrial precursor [Trypanosoma cruzi strain CL Brener]
[gi|72388432](#) Mass: 45305 Score: 59 Queries matched: 1
3,2-trans-enoyl-CoA isomerase, mitochondrial precursor [Trypanosoma brucei TREU927]

62. [gi|71665810](#) Mass: 112109 Score: 58 Queries matched: 1
hypothetical protein [Trypanosoma cruzi strain CL Brener]

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

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Peptide
☒ 1687	707.79	1413.57	1413.71	-0.14	0	58	0.00071	1	R.ELVSPTEDEVQAAR.Q

63. [gi|71399904](#) Mass: 11280 Score: 58 Queries matched: 2
histone H4 [Trypanosoma cruzi strain CL Brener]

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

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Peptide
☒ 160	588.68	1175.35	1175.51	-0.16	0	33	0.81	1	R.DATAYTEYSR.K
☒ 1528	629.31	1256.60	1256.71	-0.11	0	53	0.0024	1	K.TVTAVDVVNALR.K

Proteins matching the same set of peptides:

[gi|71400209](#) Mass: 11163 Score: 58 Queries matched: 2
histone H4 [Trypanosoma cruzi strain CL Brener]
[gi|71409084](#) Mass: 11177 Score: 58 Queries matched: 2
histone H4 [Trypanosoma cruzi strain CL Brener]
[gi|71409100](#) Mass: 6890 Score: 58 Queries matched: 2
histone H4 [Trypanosoma cruzi strain CL Brener]
[gi|72389584](#) Mass: 11135 Score: 58 Queries matched: 2

histone H4 [Trypanosoma brucei TREU927]

64. [gi|167375825](#) Mass: 24465 Score: 58 Queries matched: 2

hypothetical protein [Entamoeba dispar SAW760]

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

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Peptide
156	584.69	1167.36	1167.57	-0.21	0	9	1.4e+02	2	-.MTTEITDTIK.L + Oxidation (M)
☒ 1596	651.84	1301.66	1301.68	-0.02	0	58	0.00077	1	K.DVTIDISIAEAR.I

65. [gi|71664019](#) Mass: 51642 Score: 57 Queries matched: 1

hypothetical protein [Trypanosoma cruzi strain CL Brener]

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

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Peptide
☒ 1548	636.83	1271.64	1271.69	-0.05	0	57	0.00089	1	R.LLIQEGIAEMR.D

66. [gi|71655108](#) Mass: 53810 Score: 57 Queries matched: 1

hypothetical protein [Trypanosoma cruzi strain CL Brener]

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

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Peptide
☒ 1708	481.26	1440.75	1440.74	0.01	0	57	0.00093	1	K.ISAGGNAENLRPSR.V

Proteins matching the same set of peptides:

[gi|71663349](#) Mass: 53721 Score: 57 Queries matched: 1

hypothetical protein [Trypanosoma cruzi strain CL Brener]

67. [gi|71667211](#) Mass: 30381 Score: 57 Queries matched: 4

hypothetical protein [Trypanosoma cruzi strain CL Brener]

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

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Peptide
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☒	26	469.46	1405.37	1405.60	-0.24	1	(19)	18	1	K.EEFKDDFDFSK.S
☒	1682	703.75	1405.50	1405.60	-0.11	1	55	0.0017	1	K.EEFKDDFDFSK.S
☒	2293	805.02	2412.05	2412.24	-0.20	0	(20)	4.5	1	R.GQEAGLAQIPPADQLFDQIVFR.G
☒	2294	1207.05	2412.09	2412.24	-0.15	0	29	0.54	1	R.GQEAGLAQIPPADQLFDQIVFR.G

68. [gi|71660723](#) Mass: 116424 Score: 55 Queries matched: 2

hypothetical protein [Trypanosoma cruzi strain CL Brener]

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

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Peptide
☒ 2015	954.41	1906.80	1906.96	-0.16	0	57	0.00092	1	R.IVATDLSEPLPAPADDAGR.A
☒ 2296	805.93	2414.76	2415.03	-0.27	0	20	7.7	1	R.AEEPCQHEIEQNYPDSEGVGK.F + Carbamidomethyl (C)

Proteins matching the same set of peptides:

[gi|71418777](#) Mass: 116402 Score: 55 Queries matched: 2

hypothetical protein [Trypanosoma cruzi strain CL Brener]

69. [gi|71403618](#) Mass: 60494 Score: 55 Queries matched: 1

hypothetical protein Tc00.1047053504411.10 [Trypanosoma cruzi strain CL Brener]

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

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Peptide
☒ 1651	687.23	1372.44	1372.67	-0.23	0	55	0.0016	1	K.GPTASTGAGVEPAMK.A

Proteins matching the same set of peptides:

[gi|71405377](#) Mass: 60491 Score: 55 Queries matched: 1

hypothetical protein [Trypanosoma cruzi strain CL Brener]

70. [gi|58414949](#) Score: 55 Queries matched: 4

polyubiquitin [Stauracon pallidus]

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

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Peptide
-------	----------	----------	----------	-------	------	-------	--------	------	---------

477	383.18	764.34	764.43	-0.08	0	23	2.3	4	-.MQIFVK.T
1164	534.28	1066.55	1066.61	-0.07	0	55	0.0016	1	K.ESTLHLVLR.L
1779	508.55	1522.63	1522.77	-0.15	1	25	1.6	1	K.IQDKEGIPPDQQR.L
1914	874.39	1746.76	1746.89	-0.13	0	24	2.2	3	K.TITLEVEASDSIENVK.A

71. [gi|33358312](#) **Score:** 55 **Queries matched:** 2
ubiquitin-like protein Ublp94.4 [Acanthamoeba castellanii]

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

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Peptide
1164	534.28	1066.55	1066.61	-0.07	0	55	0.0016	1	K.ESTLHLVLR.L
1779	508.55	1522.63	1522.77	-0.15	1	25	1.6	1	K.LQDKEGIPPDQQR.L

72. [gi|154411942](#) **Mass:** 27817 **Score:** 55 **Queries matched:** 1
hypothetical protein [Trichomonas vaginalis G3]

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

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Peptide
1164	534.28	1066.55	1066.61	-0.07	0	55	0.0016	1	R.DTTIHLVLR.C

73. [gi|9954108](#) **Mass:** 34491 **Score:** 55 **Queries matched:** 2
RNA binding protein RGGm [Trypanosoma cruzi]

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

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Peptide
☒ 1690	710.23	1418.45	1418.70	-0.26	0	(29)	0.69	1	R.AVVEFVTPEDASR.A
☒ 1691	710.25	1418.48	1418.70	-0.22	0	53	0.0026	1	R.AVVEFVTPEDASR.A

Proteins matching the same set of peptides:

[gi|71410145](#) **Mass:** 34635 **Score:** 55 **Queries matched:** 2
RNA-binding protein RGGm [Trypanosoma cruzi strain CL Brener]

[gi|71652462](#) **Mass:** 33389 **Score:** 55 **Queries matched:** 2
RNA-binding protein RGGm [Trypanosoma cruzi strain CL Brener]

74. [gi|71404616](#) Mass: 11926 Score: 54 Queries matched: 4

hypothetical protein [Trypanosoma cruzi strain CL Brener]

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

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Peptide
☒ 2124	700.29	2097.85	2098.00	-0.15	0	44	0.017	1	K.GLEHYGLDPTDAEVANEIR.K
☒ 2125	1049.94	2097.86	2098.00	-0.14	0	(28)	0.7	1	K.GLEHYGLDPTDAEVANEIR.K
☒ 2209	742.95	2225.83	2226.09	-0.26	1	15	15	1	K.GLEHYGLDPTDAEVANEIRK.Y
☒ 2241	766.31	2295.92	2296.13	-0.21	0	34	0.2	1	R.HLNYEELENNIGGLPITENK.L

Proteins matching the same set of peptides:

[gi|71405087](#) Mass: 11954 Score: 54 Queries matched: 4

hypothetical protein [Trypanosoma cruzi strain CL Brener]

75. [gi|71660349](#) Mass: 50950 Score: 53 Queries matched: 1

hypothetical protein [Trypanosoma cruzi strain CL Brener]

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

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Peptide
☒ 2333	845.90	2534.68	2535.02	-0.34	0	53	0.003	1	R.AHQDSCPQCSQEATAVCTSDGAR.S + 3 Carbamidomethyl (C)

76. [gi|71425751](#) Mass: 16513 Score: 53 Queries matched: 1

centrin [Trypanosoma cruzi strain CL Brener]

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

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Peptide
☒ 820	466.23	930.44	930.49	-0.05	0	53	0.0027	1	K.GLGFGDLPR.D

Proteins matching the same set of peptides:

[gi|72391340](#) Mass: 16542 Score: 53 Queries matched: 1

centrin [Trypanosoma brucei TREU927]

[gi|154337629](#) Mass: 16487 Score: 53 Queries matched: 1

Ca2+-binding EF-hand protein [Leishmania braziliensis MHOM/BR/75/M2904]

77. [gi|53829568](#) Mass: 52571 Score: 52 Queries matched: 3

HSP70 [Ministeria vibrans]

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

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Peptide
1549	637.89	1273.76	1273.71	0.05	2	0	4.8e+02	7	K.KDLTQSARSLR.R
282	650.24	1298.46	1298.60	-0.14	0	16	40	4	R.FEELCADLFR.G + Carbamidomethyl (C)
1751	744.30	1486.59	1486.69	-0.10	0	52	0.0029	1	R.TTPSYVAFTDTER.L

78. [gi|84105385](#) Mass: 68015 Score: 52 Queries matched: 2

cytosolic heat shock protein 70 [Malawimonas jakobiformis]

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

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Peptide
282	650.24	1298.46	1298.60	-0.14	0	14	59	6	R.FEELCIDQFR.K
1751	744.30	1486.59	1486.69	-0.10	0	52	0.0029	1	R.TTPSYVAFTDTER.L

79. [gi|71664824](#) Mass: 31803 Score: 52 Queries matched: 2

mucin TcMUCII [Trypanosoma cruzi strain CL Brener]

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

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Peptide
☒ 1867	838.66	1675.31	1675.79	-0.48	0	52	0.0054	1	K.QGPPSAPQGQPV DENR.L
1934	886.27	1770.53	1770.87	-0.35	0	2	4.1e+02	4	K.NAGLSEDASGLQGITNPK.N

80. [gi|71411561](#) Mass: 14251 Score: 52 Queries matched: 2

hypothetical protein [Trypanosoma cruzi strain CL Brener]

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

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Peptide
☒ 77	526.27	1050.53	1050.57	-0.04	0	52	0.0068	1	R.LATFTELTR.Q
☒ 64	514.85	1541.51	1541.71	-0.20	0	13	53	1	R.DGQSITWHEVNEK.G

Proteins matching the same set of peptides:

[gi|71667238](#) Mass: 14290 Score: 52 Queries matched: 2
hypothetical protein [Trypanosoma cruzi strain CL Brener]

81. [gi|1322226](#) Mass: 44368 Score: 52 Queries matched: 2
elongation factor 1 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
935	488.28	974.54	974.54	-0.00	0	52	0.0048	1	R.LPIQDVYK.I
☒ 1064	1028.93	1027.92	1027.50	0.42	1	8	2.2e+02	1	K.TEMQKTFK.Q + Oxidation (M)

82. [gi|71665461](#) Mass: 46415 Score: 51 Queries matched: 3
enolase [Trypanosoma cruzi strain CL Brener]

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

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Peptide
☒ 1602	655.25	1308.48	1308.74	-0.26	0	(25)	1.8	1	K.NVNDVLAPALVGK.D
☒ 1604	655.39	1308.77	1308.74	0.03	0	46	0.011	1	K.NVNDVLAPALVGK.D
☒ 1975	614.60	1840.76	1840.87	-0.11	0	35	0.16	1	R.SAVPSGASTGIHEACELR.D + Carbamidomethyl (C)

83. [gi|71412664](#) Mass: 60479 Score: 50 Queries matched: 2
hypothetical protein [Trypanosoma cruzi strain CL Brener]

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

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Peptide
1680	702.84	1403.67	1403.69	-0.03	1	15	14	2	K.TTYKEELYTTR.L
☒ 1809	788.81	1575.61	1575.78	-0.16	0	50	0.0053	1	R.SPGFNPAAVPYTPMK.T

84. [gi|71402512](#) Mass: 52546 Score: 48 Queries matched: 1
eukaryotic translation initiation factor 2 subunit [Trypanosoma cruzi strain CL Brener]

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

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Peptide
☒ 1747	743.37	1484.73	1484.78	-0.06	0	48	0.0075	1	R.GLATQDINALNDK.I

85. [gi|71649424](#) Mass: 151616 Score: 48 Queries matched: 2

hypothetical protein [Trypanosoma cruzi strain CL Brener]

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

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Peptide
☒ 1956	607.27	1818.79	1818.95	-0.15	0	48	0.0085	1	R.LVVETELHPADAEIQR.R
☒ 1502	1236.42	2470.82	2470.23	0.59	1	4	5.6e+02	1	R.IEELISSQVEYKGVSTSVAMR.L + Oxidation (M)

86. [gi|71412308](#) Mass: 152202 Score: 48 Queries matched: 2

hypothetical protein [Trypanosoma cruzi strain CL Brener]

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

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Peptide
1956	607.27	1818.79	1818.95	-0.15	0	48	0.0085	1	R.LVVETELHPADAEIQR.R
1502	1236.42	2470.82	2470.26	0.56	2	2	9.9e+02	7	R.IEELISSKVEYKGVSTSVAMR.L + Oxidation (M)

87. [gi|1170958](#) Mass: 22122 Score: 47 Queries matched: 2

RecName: Full=Macrophage infectivity potentiator; AltName: Full=Peptidyl-prolyl cis-trans isomerase

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

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Peptide
☒ 1037	508.75	1015.48	1015.58	-0.10	0	47	0.012	1	K.LPSGLVFQR.I
1750	496.27	1485.80	1485.83	-0.03	0	4	1.8e+02	7	R.GKPTTFRPNEVIK.G

Proteins matching the same set of peptides:

[gi|21465757](#) Mass: 18822 Score: 47 Queries matched: 2

Chain A, Trypanosoma Cruzi Macrophage Infectivity Potentiator (Tcmip)

[gi|71418561](#) Mass: 22140 Score: 47 Queries matched: 2

macrophage infectivity potentiator, precursor [Trypanosoma cruzi strain CL Brener]

88. [gi|71398774](#) Mass: 29630 Score: 47 Queries matched: 1
hypothetical protein [Trypanosoma cruzi strain CL Brener]

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

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Peptide
☒ 168	591.70	1181.38	1181.57	-0.19	0	47	0.032	1	K.FSVDVEYAPR.C

Proteins matching the same set of peptides:

[gi|71398776](#) Mass: 27357 Score: 47 Queries matched: 1
hypothetical protein [Trypanosoma cruzi strain CL Brener]
[gi|71398971](#) Mass: 29609 Score: 47 Queries matched: 1
hypothetical protein [Trypanosoma cruzi strain CL Brener]
[gi|71404900](#) Mass: 29621 Score: 47 Queries matched: 1
hypothetical protein [Trypanosoma cruzi strain CL Brener]
[gi|71661320](#) Mass: 29622 Score: 47 Queries matched: 1
hypothetical protein [Trypanosoma cruzi strain CL Brener]
[gi|71668366](#) Mass: 29617 Score: 47 Queries matched: 1
hypothetical protein [Trypanosoma cruzi strain CL Brener]

89. [gi|71399257](#) Mass: 15927 Score: 46 Queries matched: 2
hypothetical protein [Trypanosoma cruzi strain CL Brener]

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

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Peptide
☒ 1951	905.35	1808.69	1808.85	-0.15	0	46	0.01	1	R.EQPPTQPAQAQEMAQR.V
1960	913.43	1824.84	1824.84	-0.00	0	(7)	88	2	R.EQPPTQPAQAQEMAQR.V + Oxidation (M)

Proteins matching the same set of peptides:

[gi|71405782](#) Mass: 15933 Score: 46 Queries matched: 2
hypothetical protein [Trypanosoma cruzi strain CL Brener]

90. [gi|886414](#) Mass: 44190 Score: 46 Queries matched: 1
TCJ2 [Trypanosoma cruzi]

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

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Peptide
☒ 2056	666.64	1996.90	1996.97	-0.07	1	46	0.012	1	K.FYDSLGVSPDASVDEIKR.A

Proteins matching the same set of peptides:

[gi|71417326](#) Mass: 44176 Score: 46 Queries matched: 1
heat shock protein DnaJ [Trypanosoma cruzi strain CL Brener]

-
91. [gi|71666956](#) Mass: 40800 Score: 45 Queries matched: 1
hypothetical protein [Trypanosoma cruzi strain CL Brener]

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

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Peptide
☒ 1625	667.72	1333.42	1333.59	-0.17	0	45	0.016	1	K.QEINECVETGR.E + Carbamidomethyl (C)

-
92. [gi|71408304](#) Mass: 32648 Score: 45 Queries matched: 2
ubiquitin-like protein [Trypanosoma cruzi strain CL Brener]

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

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Peptide
1123	527.29	1052.57	1052.72	-0.15	2	15	13	6	R.IVLRGRVLK.D
☒ 1655	688.30	1374.58	1374.76	-0.18	0	45	0.018	1	R.VLYQSQLQLR.E

-
93. [gi|167536654](#) Mass: 104427 Score: 44 Queries matched: 2
hypothetical protein [Monosiga brevicollis MX1]

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

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Peptide
☒ 1411	592.77	1183.53	1183.67	-0.14	1	44	0.019	1	R.NVELQRQGLK.A
1733	736.26	1470.51	1470.77	-0.26	1	8	78	10	K.KGDDDLLAVLQER.T

-
94. [gi|154346020](#) Mass: 79350 Score: 44 Queries matched: 3
cullin-like protein [Leishmania braziliensis MHOM/BR/75/M2904]

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

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Peptide
758	903.76	902.76	902.45	0.31	0	2	1.1e+03	3	K.SEGIINDR.S
☒ 1279	1123.10	1122.09	1121.56	0.54	1	3	8.6e+02	1	K.EVSRNSFQR.I
☒ 1790	775.80	1549.59	1549.82	-0.23	0	44	0.021	1	K.WGIIETVLCIFK.K

95. [gi|120679](#) Mass: 39036 Score: 43 Queries matched: 1
RecName: Full=Glyceraldehyde-3-phosphate dehydrogenase, glycosomal; Short=GAPDH

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

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Peptide
☒ 1668	692.84	1383.66	1383.77	-0.11	0	43	0.023	1	R.AAAVNIIPSTTGA.A

Proteins matching the same set of peptides:

[gi|1311019](#) Mass: 38618 Score: 43 Queries matched: 1
Chain A, Crystal Structure Of Glycosomal Glyceraldehyde-3-Phosphate Dehydrogenase From Leishmania M

[gi|3023811](#) Mass: 39008 Score: 43 Queries matched: 1
RecName: Full=Glyceraldehyde-3-phosphate dehydrogenase, glycosomal; Short=GAPDH

[gi|3318907](#) Mass: 38877 Score: 43 Queries matched: 1
Chain A, Glycosomal Glyceraldehyde-3-Phosphate Dehydrogenase In A Monoclinic Crystal Form

[gi|4105573](#) Mass: 39029 Score: 43 Queries matched: 1
glycosomal glyceraldehyde-3-phosphate dehydrogenase [Leptomonas seymouri]

[gi|4335878](#) Mass: 36910 Score: 43 Queries matched: 1
glycosomal glyceraldehyde-3-phosphate dehydrogenase [Leptomonas seymouri]

[gi|4335880](#) Mass: 36843 Score: 43 Queries matched: 1
glycosomal glyceraldehyde-3-phosphate dehydrogenase [Crithidia fasciculata]

[gi|4335882](#) Mass: 36978 Score: 43 Queries matched: 1
glycosomal glyceraldehyde-3-phosphate dehydrogenase [Crithidia luciliae]

[gi|12802907](#) Mass: 39195 Score: 43 Queries matched: 1
glycosomal glyceraldehyde-3-phosphate dehydrogenase [Leptomonas sp. Nfm]

[gi|12958498](#) Mass: 39090 Score: 43 Queries matched: 1
glycosomal glyceraldehyde-3-phosphate dehydrogenase [Leptomonas sp. Cfm]

[gi|12964748](#) Mass: 39248 Score: 43 Queries matched: 1

glycosomal glyceraldehyde-3-phosphate dehydrogenase [Wallaceina brevicula]
[gi|12964782](#) Mass: 39243 Score: 43 Queries matched: 1
glycosomal glyceraldehyde-3-phosphate dehydrogenase [Leptomonas peterhoffi]
[gi|12964784](#) Mass: 39118 Score: 43 Queries matched: 1
glycosomal glyceraldehyde-3-phosphate dehydrogenase [Blastocrithidia gerricola]
[gi|14150819](#) Mass: 39155 Score: 43 Queries matched: 1
glycosomal glyceraldehyde-3-phosphate dehydrogenase [Leptomonas sp. F2]
[gi|26393926](#) Mass: 39063 Score: 43 Queries matched: 1
RecName: Full=Glyceraldehyde-3-phosphate dehydrogenase, glycosomal; Short=GAPDH
[gi|53849793](#) Mass: 32571 Score: 43 Queries matched: 1
glycosomal glyceraldehyde phosphate dehydrogenase [Trypanosoma mega]
[gi|53849799](#) Mass: 32277 Score: 43 Queries matched: 1
glycosomal glyceraldehyde phosphate dehydrogenase [Trypanosoma rotatorium]
[gi|53849807](#) Mass: 31715 Score: 43 Queries matched: 1
glycosomal glyceraldehyde phosphate dehydrogenase [Trypanosoma sp. T. grayi-like-F4]
[gi|53849819](#) Mass: 32327 Score: 43 Queries matched: 1
glycosomal glyceraldehyde phosphate dehydrogenase [Trypanosoma binneyi]
[gi|53849823](#) Mass: 35106 Score: 43 Queries matched: 1
glycosomal glyceraldehyde phosphate dehydrogenase [Trypanosoma cruzi]
[gi|53849825](#) Mass: 32281 Score: 43 Queries matched: 1
glycosomal glyceraldehyde phosphate dehydrogenase [Trypanosoma cruzi]
[gi|53849827](#) Mass: 34570 Score: 43 Queries matched: 1
glycosomal glyceraldehyde phosphate dehydrogenase [Trypanosoma cruzi marinkellei]
[gi|53849831](#) Mass: 30859 Score: 43 Queries matched: 1
glycosomal glyceraldehyde phosphate dehydrogenase [Trypanosoma lewisi]
[gi|53849833](#) Mass: 32472 Score: 43 Queries matched: 1
glycosomal glyceraldehyde phosphate dehydrogenase [Trypanosoma microti]
[gi|53849837](#) Mass: 32413 Score: 43 Queries matched: 1
glycosomal glyceraldehyde phosphate dehydrogenase [Trypanosoma pestanai]
[gi|53849839](#) Mass: 30722 Score: 43 Queries matched: 1
glycosomal glyceraldehyde phosphate dehydrogenase [Trypanosoma sp. kangaroo H25]
[gi|53849843](#) Mass: 32346 Score: 43 Queries matched: 1
glycosomal glyceraldehyde phosphate dehydrogenase [Trypanosoma sp. wallaby ABF]
[gi|53849849](#) Mass: 33565 Score: 43 Queries matched: 1
glycosomal glyceraldehyde phosphate dehydrogenase [Trypanosoma sp. Australian rabbit R5]
[gi|53849851](#) Mass: 30626 Score: 43 Queries matched: 1

glycosomal glyceraldehyde phosphate dehydrogenase [Trypanosoma theileri]
[gi|71422448](#) Mass: 39008 Score: 43 Queries matched: 1
glyceraldehyde 3-phosphate dehydrogenase [Trypanosoma cruzi strain CL Brener]
[gi|71650185](#) Mass: 38993 Score: 43 Queries matched: 1
glyceraldehyde 3-phosphate dehydrogenase [Trypanosoma cruzi strain CL Brener]
[gi|72398621](#) Mass: 38929 Score: 43 Queries matched: 1
glycosomal glyceraldehyde-3-phosphate dehydrogenase [Herpetomonas megaseliae]
[gi|72398623](#) Mass: 38974 Score: 43 Queries matched: 1
glycosomal glyceraldehyde-3-phosphate dehydrogenase [Herpetomonas muscarum]
[gi|72398625](#) Mass: 39034 Score: 43 Queries matched: 1
glycosomal glyceraldehyde-3-phosphate dehydrogenase [Leishmania tarentolae]
[gi|88707325](#) Mass: 39010 Score: 43 Queries matched: 1
glycosomal glyceraldehyde-3-phosphate dehydrogenase [Leptomonas costaricensis]
[gi|90025012](#) Mass: 30568 Score: 43 Queries matched: 1
glycosomal glyceraldehyde-3-phosphate dehydrogenase [Sergeia podlipaevi]
[gi|118133302](#) Mass: 39149 Score: 43 Queries matched: 1
glycosomal glyceraldehyde-3-phosphate dehydrogenase [Leptomonas acus]
[gi|118133306](#) Mass: 39025 Score: 43 Queries matched: 1
glycosomal glyceraldehyde-3-phosphate dehydrogenase [Leptomonas bifurcata]
[gi|154341937](#) Mass: 39180 Score: 43 Queries matched: 1
glyceraldehyde 3-phosphate dehydrogenase, glycosomal [Leishmania braziliensis MHOM/BR/75/M2904]
[gi|156523912](#) Mass: 36418 Score: 43 Queries matched: 1
glycosomal glyceraldehyde-3-phosphate dehydrogenase [Leptomonas sp. tarcoles]
[gi|156523918](#) Mass: 34851 Score: 43 Queries matched: 1
glycosomal glyceraldehyde-3-phosphate dehydrogenase [Crithidia deanei]
[gi|156523920](#) Mass: 36561 Score: 43 Queries matched: 1
glycosomal glyceraldehyde-3-phosphate dehydrogenase [Leptomonas sp. P]
[gi|158576045](#) Mass: 36487 Score: 43 Queries matched: 1
glycosomal glyceraldehyde-3-phosphate dehydrogenase [Trypanosomatidae sp. 119YS]
[gi|158576143](#) Mass: 39171 Score: 43 Queries matched: 1
glycosomal glyceraldehyde-3-phosphate dehydrogenase [Trypanosomatidae sp. 127AL]
[gi|158576178](#) Mass: 36319 Score: 43 Queries matched: 1
glycosomal glyceraldehyde-3-phosphate dehydrogenase [Trypanosomatidae sp. 128SI]
[gi|158576201](#) Mass: 36720 Score: 43 Queries matched: 1
glycosomal glyceraldehyde-3-phosphate dehydrogenase [Wallaceina inconstans]
[gi|158577406](#) Mass: 36564 Score: 43 Queries matched: 1

glycosomal glyceraldehyde-3-phosphate dehydrogenase [Crithidia oncopelti]
[gi|158577417](#) Mass: 36694 Score: 43 Queries matched: 1
glycosomal glyceraldehyde-3-phosphate dehydrogenase [Crithidia oncopelti]
[gi|158577432](#) Mass: 35387 Score: 43 Queries matched: 1
glycosomal glyceraldehyde-3-phosphate dehydrogenase [Blastocrithidia culicis]
[gi|158577450](#) Mass: 36511 Score: 43 Queries matched: 1
glycosomal glyceraldehyde-3-phosphate dehydrogenase [Blastocrithidia culicis]
[gi|158828856](#) Mass: 36334 Score: 43 Queries matched: 1
glycosomal glyceraldehyde-3-phosphate dehydrogenase [Blastocrithidia miridarum]
[gi|158828858](#) Mass: 36539 Score: 43 Queries matched: 1
glycosomal glyceraldehyde-3-phosphate dehydrogenase [Blastocrithidia miridarum]
[gi|158828862](#) Mass: 36662 Score: 43 Queries matched: 1
glycosomal glyceraldehyde-3-phosphate dehydrogenase [Leptomonas collosoma]
[gi|159157539](#) Mass: 35137 Score: 43 Queries matched: 1
glycosomal glyceraldehyde-3-phosphate dehydrogenase [Trypanosoma kuseli]
[gi|159157541](#) Mass: 35192 Score: 43 Queries matched: 1
glycosomal glyceraldehyde-3-phosphate dehydrogenase [Trypanosoma grosi]
[gi|159157547](#) Mass: 34955 Score: 43 Queries matched: 1
glycosomal glyceraldehyde-3-phosphate dehydrogenase [Trypanosoma cruzi]
[gi|169264614](#) Mass: 31557 Score: 43 Queries matched: 1
glycosomal glyceraldehyde-3-phosphate dehydrogenase [uncultured kinetoplastid]
[gi|169264616](#) Mass: 29907 Score: 43 Queries matched: 1
glycosomal glyceraldehyde-3-phosphate dehydrogenase [uncultured kinetoplastid]

96. [gi|71653479](#) Mass: 12654 Score: 43 Queries matched: 1
cytochrome b5-like [Trypanosoma cruzi strain CL Brener]

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

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Peptide
☒ 1931	590.53	1768.58	1768.87	-0.29	0	43	0.028	1	K.FVDQHPGGVDTLTGAAGK.D

Proteins matching the same set of peptides:

[gi|71664175](#) Mass: 10049 Score: 43 Queries matched: 1
cytochrome b5 [Trypanosoma cruzi strain CL Brener]

97. [gi|71659820](#) Mass: 17641 Score: 43 Queries matched: 1

calmodulin [Trypanosoma cruzi strain CL Brener]

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

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Peptide
☒ 1941	599.93	1796.78	1796.89	-0.12	1	43	0.024	1	R.VFDKDLDTVSVAEFR.H

Proteins matching the same set of peptides:

[gi|72549191](#) Mass: 15679 Score: 43 Queries matched: 1

EF hand containing protein [Leishmania major strain Friedlin]

[gi|146101748](#) Mass: 15698 Score: 43 Queries matched: 1

EF hand containing protein; calmodulin-like protein [Leishmania infantum]

[gi|154345097](#) Mass: 15583 Score: 43 Queries matched: 1

EF hand containing protein [Leishmania braziliensis MHOM/BR/75/M2904]

98. [gi|133055](#) Mass: 10747 Score: 42 Queries matched: 1

60S acidic ribosomal protein P1

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

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Peptide
☒ 2335	850.38	2548.12	2548.34	-0.22	0	42	0.026	1	K.VSFGGVAPAAGGATAAPAAAAAAPAAAAAK.K

99. [gi|71418715](#) Score: 42 Queries matched: 1

60S acidic ribosomal protein [Trypanosoma cruzi strain CL Brener]

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

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Peptide
2335	850.38	2548.12	2548.34	-0.22	0	42	0.026	1	K.VSFGGVAPAAGGATAAPAAAAAAPAAAAAK.K

100. [gi|27734387](#) Score: 42 Queries matched: 2

polyubiquitin [Euglypha rotunda]

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

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Peptide
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1779	508.55	1522.63	1522.77	-0.15	1	25	1.6	1	K.IQDKEGIPPDQQR.L
1914	874.39	1746.76	1746.89	-0.13	0	42	0.029	2	K.TITLDVEASDTIENVK.Q

Proteins matching the same set of peptides:

[gi|27734383](#) Score: 42 Queries matched: 2

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

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Peptide
✓ 1999	629.92	1886.73	1886.90	-0.17	0	41	0.04	1	IYDDGNLKPGETTPPR
✓ 1244	552.72	1103.43	1103.59	-0.16	0	41	0.044	1	ILDEIICASK
✓ 2164	717.99	2150.95	2151.13	-0.18	0	40	0.054	1	GFERPSPVQEEAIPVALQGK
✓ 1792	776.85	1551.69	1551.80	-0.11	0	40	0.047	1	VDNLTVAPGPPDVMK
✓ 1642	682.87	1363.72	1363.73	-0.01	0	37	0.11	1	VSIVATDIFTGNK
✓ 14	434.14	1299.40	1299.62	-0.23	1	36	0.26	1	KQWAFYNDTK
✓ 930	487.22	972.43	972.55	-0.12	0	36	0.17	1	LEISALEAK
✓ 1697	715.22	1428.43	1428.72	-0.29	0	35	0.14	1	EAVGSLSPQPTSTR
✓ 1947	600.91	1799.72	1799.84	-0.12	1	35	0.13	1	IVQVPDDGADEKEEEK
✓ 1070	516.26	1030.50	1030.55	-0.05	0	35	0.2	1	VLMPAESR + Oxidation (M)
✓ 858	471.74	941.47	941.52	-0.05	0	35	0.15	1	IEIVSPER
✓ 1671	463.25	1386.72	1386.82	-0.11	1	35	0.18	1	KVPIVPLEDLHK
✓ 1935	887.37	1772.73	1772.87	-0.14	1	35	0.18	1	KLLEEVGDGIDVDDEK
✓ 573	406.17	810.32	810.39	-0.07	0	34	0.14	1	MAFALDK + Oxidation (M)
✓ 1967	917.93	1833.84	1833.98	-0.14	2	34	0.18	1	NHTSKVAAGLDGANPVKR
✓ 1090	519.72	1037.42	1037.53	-0.11	0	34	0.22	1	FNQEVFVR
✓ 377	705.74	1409.46	1409.62	-0.16	0	33	0.74	1	EGDMLSLMETER
✓ 2030	642.60	1924.78	1924.94	-0.16	1	33	0.28	1	LCNFAGDIYKEPEITR + Carbamidomethyl (C)
✓ 1377	583.23	1164.45	1164.57	-0.12	0	32	0.25	1	LENELMATTK + Oxidation (M)
✓ 1774	506.92	1517.74	1517.85	-0.10	1	31	0.39	1	LFLGGTKPSKEDVK
✓ 666	427.16	852.31	852.45	-0.14	1	31	0.34	1	IMKFGNK + Oxidation (M)
✓ 1249	554.25	1106.49	1106.47	0.02	0	30	0.42	1	GTEEEQQMR
✓ 1406	591.31	1180.61	1180.66	-0.05	1	30	0.39	1	SQRLDQLPPK
✓ 1577	647.28	1292.55	1292.59	-0.04	0	30	0.48	1	MEEEVLAMWR
✓ 1402	590.25	1178.49	1178.57	-0.07	1	30	0.51	1	YEEQLDRAR
✓ 634	421.71	841.40	841.47	-0.06	0	29	0.49	1	VAAVETPR

✓	1916	877.31	1752.61	1752.89	-0.28	1	28	0.7	1	EKLAYVAEDFQAE LK
✓	1720	727.77	1453.53	1453.70	-0.18	0	28	0.83	1	DVNVQPEGDSLPGK
✓	873	476.20	950.38	950.48	-0.10	1	27	1.2	1	LYEENKR
✓	159	587.92	1760.73	1760.84	-0.11	0	27	4.3	1	EHTPGINFQYEA I K
✓	1659	691.24	1380.47	1380.70	-0.23	0	26	1	1	GIQLYVDM LG EK + Oxidation (M)
✓	1511	621.20	1240.38	1240.64	-0.26	0	26	1.2	1	LDGYSLMIVSK + Oxidation (M)
✓	1684	705.34	1408.66	1408.78	-0.12	0	26	1.5	1	HLVALAPDGIFTR
✓	1731	490.55	1468.61	1468.80	-0.19	0	26	1.4	1	AFLDQKPEGVPLR
✓	477	383.18	764.34	764.39	-0.05	2	25	1.4	1	MKMDKI
✓	1475	611.34	1220.66	1220.59	0.08	0	25	1.6	1	ENHISFLSMK + Oxidation (M)
✓	1845	818.83	1635.65	1635.81	-0.16	1	25	1.5	1	FAKVDADNNTDIVSK
✓	1123	527.29	1052.57	1052.54	0.03	0	25	1.5	1	LVIMSATMR + 2 Oxidation (M)
✓	1735	736.81	1471.60	1471.72	-0.12	0	24	2	1	ASGPTAVDGTAPEATK
✓	456	379.16	756.31	756.45	-0.14	0	24	1.6	1	LDAVIAR
✓	1141	530.21	1058.40	1058.47	-0.06	0	24	2.5	1	YYIDIDQSR
✓	1600	654.28	1306.54	1306.67	-0.13	2	24	2.2	1	KIMEAGSWKNK + Oxidation (M)
✓	1649	686.25	1370.49	1370.73	-0.24	0	24	2.1	1	NIDIEIDELVAK
✓	999	500.26	998.51	998.60	-0.09	1	24	1.9	1	VLFSLHRK
✓	1789	772.32	1542.63	1542.83	-0.19	0	23	2.3	1	INEVLTQVLTEER
✓	1319	571.22	1140.43	1140.57	-0.13	1	23	2.6	1	SYIESAEKSK
✓	610	831.08	2490.22	2490.32	-0.10	0	23	9.4	1	IEAVYLSIIPHFI SLNMLMR
✓	1210	545.73	1089.45	1089.60	-0.15	1	23	2.7	1	LSMQVKSAAR
✓	1732	491.16	1470.46	1470.67	-0.21	0	23	2.7	1	ECPTRPPGVMGDR + Carbamidomethyl (C)
✓	1401	588.77	1175.52	1175.62	-0.10	1	23	2.9	1	SMAPVRAMSVK
✓	61	514.17	1539.50	1539.89	-0.38	0	23	5.6	1	LVEVTLLADAVELR
✓	1639	679.28	1356.54	1356.72	-0.19	1	23	3	1	NLDDEIRILEK
✓	1589	650.73	1299.44	1299.58	-0.14	1	22	4.1	1	KVEDMQTDYR + Oxidation (M)
✓	1239	551.74	1101.46	1101.60	-0.15	0	22	3.6	1	NTEILQSLGK
✓	1067	515.28	1028.54	1028.65	-0.10	2	21	3.7	1	VLSKSRIAR
✓	1815	793.82	1585.63	1585.82	-0.19	1	21	3.9	1	IEIEEIKNDLENK
✓	185	601.24	1200.46	1200.68	-0.21	2	21	11	1	RELLRDMLR
✓	1795	521.20	1560.58	1560.75	-0.18	0	21	3.9	1	LPPGTQESDEPHVR
✓	1674	695.82	1389.63	1389.69	-0.07	0	21	4.8	1	CAETSLLEAQLR + Carbamidomethyl (C)
✓	117	555.58	1663.73	1663.86	-0.13	1	21	11	1	RRPSASVLSTSSSSSR

✓	1739	738.33	1474.65	1474.77	-0.12	2	20	4.3	1	MEEKKLQEAIK
✓	559	403.13	804.24	804.47	-0.23	0	20	5.3	1	VIGIFEK
✓	1769	755.36	1508.71	1508.83	-0.12	2	20	4.7	1	LRFWSSALMRVK + Oxidation (M)
✓	161	589.39	1765.15	1764.96	0.18	1	20	17	1	HGGVHLTIRAEFVTK
✓	1770	755.80	1509.60	1509.78	-0.18	1	20	5.2	1	NQLPNQRNWVNK
✓	167	591.17	590.17	590.27	-0.10	0	20	4.7	1	DASGNK
✓	1290	564.27	1126.52	1126.60	-0.08	1	20	4.9	1	SIDRVPSEPK
✓	1648	685.33	1368.65	1368.78	-0.13	2	19	5.1	1	RSNEKLISVAPR
✓	1622	665.84	1329.66	1329.74	-0.08	1	19	6.4	1	KVLIANNNGMAATK
✓	1734	736.77	1471.53	1471.82	-0.29	2	19	6.2	1	LVSDANVVRSTRR
✓	1108	523.70	1045.38	1045.52	-0.13	1	19	6.3	1	DGEVDVTRR
✓	1972	613.23	1836.67	1836.92	-0.24	1	19	5.8	1	LSQAMRAGLDYADALSR
✓	1835	811.75	1621.48	1621.80	-0.32	0	19	6.5	1	EVYEDMQAIIAVNK
✓	1018	505.24	1008.46	1008.54	-0.08	0	19	6	1	LLHDAAWLA
✓	1531	629.83	1257.65	1257.70	-0.05	1	19	6.6	1	TVRDVVTALER
✓	1207	545.20	1088.38	1088.59	-0.20	0	19	7.1	1	TGLADWSLVK
✓	1672	695.33	1388.65	1388.79	-0.14	2	19	6.2	1	RSLLTSAPFNKR
✓	1781	765.25	1528.48	1528.79	-0.31	0	19	7.2	1	SMESLPQSVTVVPR
✓	172	594.25	1186.48	1186.63	-0.15	0	19	17	1	QQIQTLSGGQK
✓	1218	547.67	1093.34	1093.46	-0.12	0	19	6.6	1	CTLDEEEAK + Carbamidomethyl (C)
✓	1904	572.91	1715.70	1715.90	-0.21	2	18	7	1	QLQSAQRSLSEARSR
✓	1566	643.77	1285.54	1285.65	-0.12	0	18	7.3	1	LQEEQEILER
✓	1660	691.27	1380.52	1380.67	-0.15	1	18	6.5	1	ARSQLTGSMTEGK + Oxidation (M)
✓	2336	852.62	2554.84	2555.09	-0.25	0	18	9.3	1	TCVSASHQEQEEEEQQQPQER + Carbamidomethyl (C)
✓	1733	736.26	1470.51	1470.78	-0.28	1	18	7.3	1	RPVINMTQRGQR + Oxidation (M)
✓	137	571.18	1140.35	1140.48	-0.12	0	18	19	1	DFDTVCAEGK + Carbamidomethyl (C)
✓	1644	683.28	1364.54	1364.62	-0.08	0	18	7.1	1	DFLMLPCEGANR
✓	817	465.71	929.40	929.52	-0.11	0	18	10	1	ITVIDQNK
✓	1749	743.85	1485.68	1485.70	-0.02	0	18	7.6	1	AAYDGLSGLYDDVK
✓	1156	533.26	1064.50	1064.60	-0.09	1	18	7.5	1	HSRGTVRPR
✓	69	519.23	1036.44	1036.52	-0.08	1	18	20	1	GKDQYQSIV
✓	1929	589.60	1765.77	1766.01	-0.24	1	18	8	1	EVVLSIKHVPQNLYK
✓	1721	731.82	1461.62	1461.72	-0.11	1	17	9.2	1	TIPANGKFSEDQR
✓	432	738.35	737.34	737.36	-0.02	0	17	6.3	1	DFTEVK

✓	1522	627.32	1252.62	1252.73	-0.10	1	17	9.8	1	RTPILQQIER
✓	342	684.28	683.27	683.42	-0.15	0	17	6.6	1	LEVVPK
✓	1903	858.84	1715.67	1715.91	-0.24	2	17	9.3	1	AAALSWLRMTPAEKR + Oxidation (M)
✓	1852	824.78	1647.55	1647.92	-0.37	1	17	10	1	LRIENADLLHWLR
✓	954	490.71	979.40	979.52	-0.11	0	17	9.1	1	MLVESVFR
✓	1275	561.26	1120.50	1120.58	-0.08	0	17	9.6	1	EQEYLLAK
✓	51	504.17	1509.47	1509.72	-0.24	0	17	21	1	MSSIGLSVLQGCDK + Carbamidomethyl (C); Oxidation (M)
✓	1970	612.90	1835.67	1835.98	-0.31	2	17	9.8	1	LAKHQGGARELIEQMR
✓	1083	518.71	1035.40	1035.49	-0.09	0	17	9.8	1	LNMTVADEK + Oxidation (M)
✓	581	814.27	813.27	813.48	-0.22	1	17	35	1	VVVDRAR
✓	516	788.36	2362.07	2362.09	-0.02	1	17	36	1	FLKSDFSGQPGFDYNDTTPAR
✓	1254	555.20	1108.38	1108.50	-0.12	1	16	9.7	1	DAADCSRMLK
✓	452	751.90	1501.79	1501.74	0.06	0	16	48	1	ATTSTAGPGEASSLPR
✓	605	414.17	826.33	826.39	-0.06	0	16	9.9	1	FAAYLNE
✓	235	624.73	1247.45	1247.65	-0.20	0	16	33	1	NVLFIGESGNAK
✓	343	685.29	684.28	684.38	-0.10	0	16	8.4	1	ELAQPK
✓	2160	715.98	2144.93	2145.04	-0.12	1	16	9.7	1	QHAAHALEELKQDEELER
✓	1104	523.24	1044.47	1044.55	-0.07	0	16	13	1	VTILNENDK
✓	97	542.33	1623.97	1623.80	0.17	1	16	22	1	RATTGEHHSYRPGR
✓	74	523.77	1045.53	1045.54	-0.01	1	16	36	1	EASKVDEIR
✓	1277	561.74	1121.47	1121.55	-0.08	0	16	12	1	ELQNQTYAR
✓	1752	744.77	1487.53	1487.74	-0.21	0	16	12	1	SASVGICSDPILNR + Carbamidomethyl (C)
✓	321	673.31	1344.61	1344.74	-0.13	2	16	42	1	GKKESQEASIR
✓	1586	650.16	1298.31	1298.69	-0.38	0	16	17	1	SPVASGAAAAAALSR
✓	2219	1126.22	2250.43	2250.02	0.41	1	16	14	1	NEWMSSGQGLKVDEDEGEVR + Oxidation (M)
✓	1680	702.84	1403.67	1403.70	-0.03	1	16	13	1	KYDFVEETVFK
✓	284	650.77	649.76	650.34	-0.58	0	16	25	1	YLEAR
✓	1643	683.26	1364.51	1364.58	-0.07	0	16	13	1	EMFALMSYMDK
✓	2202	1105.98	2209.94	2210.14	-0.20	1	16	12	1	WAENAEGFVSLETLTLTKR
✓	699	873.80	872.79	872.50	0.30	0	15	47	1	LASLENVK
✓	1314	569.70	1137.38	1137.52	-0.14	1	15	13	1	EEGLEMKMR + Oxidation (M)
✓	111	550.18	1647.51	1647.91	-0.39	1	15	34	1	LKPNASLSPHSDVKR
✓	1767	754.29	1506.56	1506.81	-0.25	2	15	18	1	QHGSGRGSRLTPVR
✓	1027	506.21	1010.41	1010.38	0.03	0	15	11	1	AEAEMCER + Carbamidomethyl (C); Oxidation (M)

✓	1608	658.22	1314.42	1314.64	-0.22	0	15	15	1	AVEALAAEEDAAR
✓	1663	692.28	1382.56	1382.80	-0.24	2	15	14	1	CLTPKKVEIPAK + Carbamidomethyl (C)
✓	849	469.72	937.42	937.40	0.02	0	15	14	1	MLDEMAGR + Oxidation (M)
✓	83	533.91	1598.71	1598.94	-0.22	2	15	31	1	GISVTVLARDLEKAK
✓	514	786.70	2357.09	2357.10	-0.01	0	15	53	1	DNSGQPITNVSPEDGTEAQLSAK
✓	553	803.31	802.31	802.36	-0.06	0	15	56	1	CPLADER
✓	1623	666.24	1330.47	1330.70	-0.23	1	15	16	1	RLMLSEVAQER
✓	2235	761.98	2282.91	2283.17	-0.27	1	15	14	1	NYSKELPEINITHQEDILK
✓	336	677.89	2030.66	2031.07	-0.41	1	15	76	1	LIPREAMGMTLLVTDVEK + Oxidation (M)
✓	529	794.30	2379.88	2380.19	-0.31	1	15	49	1	NSLRMAHIGPQISEITNNQNK + Oxidation (M)
✓	37	488.75	975.49	975.52	-0.02	1	15	60	1	RDGVSVCIK
✓	1432	598.26	1194.51	1194.60	-0.09	0	15	15	1	IVAFENAFER
✓	138	571.23	570.22	570.34	-0.12	0	15	41	1	VVEPK
✓	2233	761.71	2282.12	2282.26	-0.14	1	14	15	1	SLLKAISITECYDFVLNLLK
✓	657	850.41	849.40	849.40	-0.00	0	14	53	1	QSAMIER + Oxidation (M)
✓	100	545.13	1632.36	1632.93	-0.57	1	14	69	1	FIQTIAAVASSRLTR
✓	883	319.17	954.47	954.59	-0.11	0	14	14	1	GEVVALVLR
✓	1617	663.27	1324.54	1324.68	-0.15	2	14	20	1	KSCVSLAAKSMK + Carbamidomethyl (C); Oxidation (M)
✓	565	807.79	1613.57	1613.91	-0.35	2	14	71	1	KITNNEVIEIKWK
✓	32	480.01	1437.01	1436.62	0.38	1	14	65	1	DRGNQTMNNCLR + Oxidation (M)
✓	257	636.99	635.98	636.26	-0.29	0	14	54	1	GSCAGSR
✓	1612	660.23	1318.44	1318.63	-0.18	0	14	21	1	LDPMMENTLQK
✓	110	549.78	1646.32	1645.81	0.51	1	14	73	1	AVGVCDDNTVAELRGK
✓	740	893.68	892.67	892.40	0.27	1	14	72	1	QNSSRQSS
✓	1757	747.31	1492.60	1492.67	-0.07	1	14	20	1	MFGSGMKTMTGSVK + 2 Oxidation (M)
✓	1966	612.29	1833.84	1833.97	-0.13	1	14	20	1	ISNILSQKSEGTTLSEK
✓	1561	643.22	1284.43	1284.60	-0.17	1	14	22	1	EISCVRCSEK + 2 Carbamidomethyl (C)
✓	1758	498.55	1492.63	1492.76	-0.13	1	14	21	1	TNSIAAETGMIKNK + Oxidation (M)
✓	261	638.63	1275.25	1275.65	-0.40	0	14	76	1	SGNTCTPLVLSK + Carbamidomethyl (C)
✓	1453	605.68	1209.34	1209.64	-0.31	1	13	20	1	VRARPNGNGNR
✓	1534	630.78	1259.54	1259.62	-0.08	1	13	27	1	RAPSASSSSSPAR
✓	2236	762.06	2283.16	2283.17	-0.01	1	13	21	1	NYSKELPEINITHQEDILK
✓	2016	636.94	1907.80	1907.86	-0.07	1	13	22	1	QEDGPRYCGVTTLNPCR
✓	310	663.39	662.39	662.34	0.04	0	13	31	1	LCATQK

✓	1481	612.85	1223.68	1223.58	0.10	1	13	24	1	CIVRMLECK + 2 Carbamidomethyl (C); Oxidation (M)
✓	1961	611.29	1830.84	1830.99	-0.15	2	13	23	1	KVAQQTSGAVASASATAR
✓	98	544.22	1629.64	1629.83	-0.19	1	13	65	1	NVDPMIMQLRELRL + Oxidation (M)
✓	1540	633.28	1264.54	1264.66	-0.12	1	13	28	1	LRMFGANSLK
✓	646	423.68	845.34	845.39	-0.04	0	13	35	1	FPTGCHK + Carbamidomethyl (C)
✓	1868	839.78	1677.55	1677.81	-0.26	0	13	27	1	AGAASTNQSAGVSAMLLAR + Oxidation (M)
✓	424	731.87	2192.60	2192.00	0.60	2	13	1.4e+02	1	CIKCAIGCAHCLNEKECIK + 2 Carbamidomethyl (C)
✓	950	490.22	978.42	978.52	-0.10	0	13	28	1	FCLLALGDK
✓	163	589.89	1177.76	1177.72	0.04	1	13	1.1e+02	1	LLAGEPVPVRK
✓	301	659.86	1976.55	1976.97	-0.42	0	12	1.5e+02	1	DGILGAIHSATMMSTITAR + 2 Oxidation (M)
✓	31	479.64	1435.90	1435.77	0.13	1	12	61	1	SSVMSLQKTALQK + Oxidation (M)
✓	146	579.70	1157.38	1157.59	-0.21	0	12	74	1	VEEILDDAVR
✓	1021	1010.34	3028.00	3028.57	-0.58	2	12	96	1	CAVYGGVGLLNLYKQCSLVAFTGVQRR + 2 Carbamidomethyl (C)
✓	1339	576.18	1150.34	1150.45	-0.11	0	12	28	1	YTEESYCEK
✓	1692	474.19	1419.56	1419.76	-0.20	1	12	27	1	YHALVITEYRR
✓	120	557.49	1669.44	1668.91	0.53	1	12	91	1	IVDSTIRYFEVTVK
✓	1578	432.20	1293.59	1293.69	-0.10	0	12	28	1	IPCRPLNEQPK
✓	1889	568.49	1702.44	1702.01	0.43	2	12	45	1	LSKISIPSGIRSIGFK
✓	339	682.27	1362.52	1362.76	-0.24	2	12	74	1	QLFEAVKSKSAR
✓	1	284.93	851.75	851.38	0.37	0	12	41	1	TQSNACK
✓	2158	714.77	2141.28	2141.05	0.23	0	12	29	1	NILLASNNETYDEEYIK
✓	470	763.98	762.97	763.39	-0.41	0	12	1.1e+02	1	GGQDFLK
✓	305	661.25	1320.48	1320.59	-0.11	0	12	1.1e+02	1	EVSMASSEEELR
✓	2172	1083.49	2164.96	2165.06	-0.09	1	12	28	1	KQSSSYEPSCISFLIHPSR
✓	367	700.88	1399.74	1399.69	0.05	0	12	1.4e+02	1	QLGETPTADEALR
✓	1618	664.05	1326.09	1326.66	-0.57	1	12	45	1	RMTPMASAVAHAR
✓	2127	700.62	2098.83	2099.11	-0.28	1	12	32	1	VLEIWFNGAIPKADEIR
✓	2073	674.77	2021.30	2021.09	0.21	2	12	32	1	GRQSAVSPTQPKAASQRR
✓	781	456.61	911.20	911.41	-0.21	0	12	27	1	VDSGEFMK
✓	1796	521.21	1560.60	1560.81	-0.21	2	12	33	1	GVAMAMRSPIGGMKR
✓	1046	510.23	1018.45	1018.52	-0.07	0	12	46	1	AAGIEGGAFAR
✓	1806	787.30	1572.59	1572.80	-0.21	0	12	42	1	EALAEASSEAVVR
✓	2054	665.31	1992.90	1992.92	-0.02	2	11	30	1	VEDERSSTKVSGSPEGDK
✓	433	738.82	737.81	738.35	-0.54	0	11	42	1	CFSVQR

✓	1934	886.27	1770.53	1770.97	-0.45	2	11	43	1	VTAENLEKELQK
✓	204	610.25	609.24	609.37	-0.13	1	11	15	1	ARVHK
✓	1497	617.76	1233.51	1233.73	-0.22	2	11	34	1	KIFNVVGKAMK
✓	60	513.05	1536.12	1535.67	0.45	0	11	99	1	CISYCGPGGAGHMK + Carbamidomethyl (C)
✓	81	532.48	1594.42	1593.85	0.57	1	11	1.2e+02	1	EAHLQARLEAIESK
✓	375	705.05	2112.14	2112.05	0.09	2	11	1.3e+02	1	YEAGGHCAILPRNRAEDIK
✓	1573	646.32	1290.63	1290.74	-0.11	2	11	39	1	GLFDLSISRKR
✓	1963	611.95	1832.81	1833.01	-0.20	2	11	35	1	MFSLGVRPLAKVLGCSR
✓	1840	813.35	1624.68	1624.94	-0.26	1	11	38	1	ALSIAPVEKTVEALGK
✓	87	537.08	1072.15	1071.67	0.49	2	11	1.3e+02	1	KEVTNKLK
✓	233	624.29	623.28	623.27	0.01	0	11	25	1	FGGAVAC
✓	1836	541.61	1621.81	1621.85	-0.04	2	11	35	1	LSKVVKGELMESMR + Oxidation (M)
✓	281	649.86	1297.71	1297.72	-0.01	1	11	1.8e+02	1	IVNSKGMTALHK
✓	2218	751.01	2250.00	2250.02	-0.02	1	11	37	1	NEWMSSGQGLKVDEDEGEVR + Oxidation (M)
✓	1256	1110.11	1109.10	1108.59	0.52	1	11	1.3e+02	1	DSLAKAVYSR
✓	95	540.25	1078.48	1078.65	-0.17	1	11	74	1	ELPPGRLVAK
✓	65	515.17	1028.33	1028.61	-0.28	1	11	93	1	LNVSITRAR
✓	2423	1023.76	3068.26	3068.37	-0.11	1	11	31	1	GVLCGSCYFLVEEFCETLTRCPR + 4 Carbamidomethyl (C)
✓	323	673.92	1345.83	1345.67	0.16	1	11	2.1e+02	1	MGGKPSKQEEQK
✓	338	678.33	677.32	677.33	-0.01	0	11	60	1	AQSTSGK
✓	25	468.15	1401.44	1401.76	-0.32	2	11	1e+02	1	EKVKEIVELCR + Carbamidomethyl (C)
✓	34	483.06	1446.16	1446.72	-0.56	2	11	1.3e+02	1	EEDKDEVSGKLAK
✓	467	763.41	1524.81	1524.70	0.11	1	11	1.3e+02	1	LQVEECFDSGSRR
✓	156	584.69	1167.36	1167.51	-0.15	1	11	1e+02	1	CRTDVMGGSSR
✓	2055	998.96	1995.91	1996.10	-0.19	1	11	55	1	GVAKALFDLDIQIEHSIK
✓	366	700.45	2098.33	2098.08	0.25	2	11	1.2e+02	1	SGGAMPFARNFTIADRFLK
✓	847	936.98	1871.95	1871.89	0.06	0	11	1.8e+02	1	WTDMAALGYVAFLE + Oxidation (M)
✓	195	604.39	1206.76	1206.62	0.14	1	10	1.5e+02	1	NGADKLEAYVK
✓	663	851.95	2552.82	2553.02	-0.20	1	10	2e+02	1	DCNTCTEKTCTSCSSPNAYINK + 3 Carbamidomethyl (C)
✓	952	980.00	979.00	978.43	0.56	0	10	1.8e+02	1	LDDMADATK
✓	719	881.30	880.29	880.44	-0.15	1	10	40	1	NSTFERK
✓	1205	1089.33	2176.64	2177.04	-0.40	1	10	1.6e+02	1	EGVLEWFVDMHLRDYPR + Oxidation (M)
✓	1510	620.53	1239.05	1238.71	0.34	1	10	67	1	TLLSPAAARSPR
✓	1740	738.47	1474.92	1474.69	0.23	0	10	46	1	SIELENIMCNPR + Carbamidomethyl (C)

✓	358	695.32	2082.94	2083.20	-0.27	2	10	1.3e+02	1	IIAPPESGRKAVLIQAHQR
✓	1675	464.41	1390.22	1390.74	-0.52	2	10	98	1	VNVGGTMRHHRK
✓	2101	687.29	2058.84	2058.86	-0.01	1	10	46	1	DHENMCVFMLSVCRM + Carbamidomethyl (C); 2 Oxidation (M)
✓	320	672.44	2014.30	2014.04	0.26	1	10	1.5e+02	1	TEEGVFATMPRPASRIPR
✓	398	717.47	716.46	716.36	0.10	0	10	1.7e+02	1	NAHTFK
✓	1043	1018.22	1017.21	1017.56	-0.36	2	10	1.8e+02	1	DVMEIKRK
✓	286	650.92	1299.83	1299.71	0.11	2	10	2e+02	1	KRIEDAGEAIAK
✓	250	631.86	630.85	631.30	-0.45	0	10	2.9e+02	1	DLPCCK + Carbamidomethyl (C)
✓	521	790.36	789.35	789.42	-0.07	0	10	62	1	SISVDAAK
✓	1759	498.55	1492.63	1492.87	-0.24	1	10	48	1	NDVGAVKALLPIQR
✓	96	542.26	1082.51	1082.66	-0.15	1	10	93	1	IVQFHLKAK
✓	1191	1081.10	1080.10	1080.45	-0.35	0	10	1.7e+02	1	QASACAGWCK + Carbamidomethyl (C)
✓	1719	727.32	1452.63	1452.71	-0.08	0	10	47	1	SIIDMSLDFAWR
✓	112	553.23	1104.44	1104.68	-0.24	2	10	1.1e+02	1	LARKSVYLR
✓	617	835.77	2504.30	2504.10	0.20	1	10	1.5e+02	1	SQLRVAPTGGSDSDTQGEEDNADR
✓	299	659.55	1975.64	1976.00	-0.36	2	10	2.4e+02	1	RDPHGAGGGTAGGGGARALSVR
✓	90	538.78	1613.33	1613.93	-0.60	2	10	1.6e+02	1	STKLIHGGIRYLEK
✓	2226	753.18	2256.51	2257.04	-0.53	1	10	77	1	EYHVGDACFAMASLYRGVPR + Oxidation (M)
✓	771	908.04	907.03	907.47	-0.44	1	10	1.9e+02	1	GHASQPRR
✓	2011	636.10	1905.28	1905.81	-0.53	0	10	55	1	TEQQMNDINLGNENDR + Oxidation (M)
✓	1713	724.30	1446.58	1446.81	-0.23	1	10	61	1	NSLLLHRSPASPR
✓	613	831.87	2492.60	2493.15	-0.55	2	10	2.4e+02	1	GGLDFLKDDENINSQPCMRWR
✓	1768	503.87	1508.57	1508.81	-0.24	0	10	52	1	LFDDGPRPPIVQR
✓	53	505.85	1514.54	1514.77	-0.23	2	10	1.1e+02	1	EERAIQREVEEK
✓	946	489.94	977.86	978.44	-0.58	0	10	70	1	IDNMQSQK + Oxidation (M)
✓	1440	1202.13	2402.25	2402.08	0.17	1	10	2.1e+02	1	NRIPVCWTCSACQGTTSIYDK + Carbamidomethyl (C)
✓	2017	637.24	1908.69	1908.82	-0.13	1	10	51	1	DAASDCGASAGAGNAGGHHRK
✓	2292	802.05	2403.14	2403.24	-0.10	2	10	52	1	VGHGGMTAGAVCENAKTFVVSLLKK
✓	471	764.09	763.08	763.39	-0.31	0	10	1.7e+02	1	GGQDFLK
✓	220	618.98	1235.95	1235.57	0.38	1	10	1.7e+02	1	SACRSSAGSTPR + Carbamidomethyl (C)
✓	1120	1050.74	3149.20	3149.31	-0.11	1	9	1.9e+02	1	QSDGACQCSSGYFLMGGGCYQVSKYPGR + Carbamidomethyl (C); Oxidation (M)
✓	2067	1007.41	2012.80	2013.06	-0.26	2	9	56	1	GAAAHRRNHAAELAAIQEK
✓	1756	747.02	1492.03	1491.80	0.23	2	9	54	1	LKHMVEDKIHRSR
✓	2176	724.70	2171.09	2171.20	-0.11	2	9	52	1	SSVIMRKPSLQQGTRKPSR + Oxidation (M)

✓	1892	569.19	1704.54	1704.88	-0.34	2	9	62	1	KMAGRAMLFAGPPGTGK + Oxidation (M)
✓	530	794.48	1586.94	1586.82	0.12	1	9	1.7e+02	1	VLSGGTMGSPRAVSPR + Oxidation (M)
✓	1877	843.88	1685.74	1685.90	-0.16	0	9	53	1	IYGDNLPAELIEIAR
✓	91	539.17	1076.33	1076.57	-0.25	1	9	1.4e+02	1	TVQTRYGPR
✓	50	503.23	1506.68	1506.74	-0.06	1	9	1.5e+02	1	RPGFSSALRDLSSD
✓	1798	522.28	1563.83	1563.79	0.04	2	9	53	1	NKEYVPLSSDEKR
✓	2188	727.31	2178.92	2179.15	-0.23	2	9	58	1	NSVNKGSKASTVLAAGAHTPNR
✓	237	625.35	1248.69	1248.70	-0.01	0	9	1.4e+02	1	ADLIAYLETLK
✓	309	663.25	662.24	662.30	-0.06	0	9	77	1	TEGNSR
✓	461	758.85	757.85	758.41	-0.57	0	9	1.2e+02	1	LLPCGTR
✓	1400	1176.10	1175.09	1174.66	0.43	1	9	2.4e+02	1	RPPFDRIFK
✓	1980	925.36	1848.70	1848.82	-0.12	2	9	57	1	CMYIFAGKCGGRNSNR + Carbamidomethyl (C); Oxidation (M)
✓	1012	1007.27	1006.27	1006.44	-0.17	0	9	2.1e+02	1	EWSCVPMR
✓	1661	461.21	1380.60	1380.66	-0.06	1	9	52	1	GESNAEKTITCTK
✓	561	806.57	1611.12	1610.79	0.33	0	9	2.3e+02	1	LELVEGFYDNSGIR
✓	1148	1062.31	1061.30	1061.54	-0.24	0	9	67	1	GDMLLGEALK + Oxidation (M)
✓	2378	919.28	2754.83	2754.29	0.54	0	9	74	1	YILASAEAEADSQSAVECTLEELQK + Carbamidomethyl (C)
✓	1555	640.32	1278.62	1278.72	-0.10	0	9	62	1	VLIAASHLHYR
✓	815	929.35	2785.03	2785.44	-0.41	1	9	1.8e+02	1	SRGALVVLGGECEGKPVTSAWACILR + 2 Carbamidomethyl (C)
✓	43	494.22	986.42	986.51	-0.09	0	9	1.4e+02	1	LLDTGNAQR
✓	1040	1016.96	1015.95	1016.51	-0.56	2	9	2.5e+02	1	ERRGQESR
✓	1593	651.57	1301.12	1301.68	-0.56	0	9	1.3e+02	1	IVPLFVSCDPR + Carbamidomethyl (C)
✓	326	675.25	2022.72	2023.14	-0.42	1	9	1.9e+02	1	NNVIVVNGQKILCVQAVR + Carbamidomethyl (C)
✓	2039	650.94	1949.80	1949.87	-0.07	1	9	57	1	LTDGEVNDMNSKNINR + Oxidation (M)
✓	1909	870.39	1738.76	1738.86	-0.10	1	9	63	1	TVSFLGLCNCGRSLR + 2 Carbamidomethyl (C)
✓	1743	740.83	1479.65	1479.54	0.11	0	9	69	1	EGNCNGDDIDEK + Carbamidomethyl (C)
✓	132	567.02	1698.04	1697.79	0.24	0	9	2.1e+02	1	DLEMAYNLAVCLMR + Carbamidomethyl (C)
✓	316	669.74	1337.46	1337.66	-0.20	0	9	1.6e+02	1	NLFGSSAPDGVFK
✓	795	920.71	919.70	919.51	0.19	2	9	2.2e+02	1	MMLKRNK
✓	1712	722.33	1442.65	1442.92	-0.27	1	9	60	1	VLLGIIIGQKVYK
✓	176	596.89	595.88	596.28	-0.39	0	9	1.6e+02	1	GNHGGR
✓	1866	558.34	1671.99	1671.89	0.09	1	9	63	1	RYPIDASVDLPSIAR
✓	2089	683.29	2046.84	2047.01	-0.17	1	9	59	1	LECPDCHLGLGYLFVRR + Carbamidomethyl (C)
✓	1906	576.27	1725.78	1725.80	-0.02	0	9	59	1	ACATSVVVCVGTSTTR + Carbamidomethyl (C)

✓	275	647.33	1292.65	1292.71	-0.06	0	9	2e+02	1	IIVVQPNPDGNK
✓	536	796.46	795.45	795.44	0.02	0	9	1.8e+02	1	QVSVHAR
✓	1865	836.88	1671.75	1671.90	-0.15	0	9	64	1	SAVIAVPMGSGSGASLIR
✓	131	566.36	1130.70	1130.59	0.10	0	9	1.4e+02	1	ARPGAAAYAGAR
✓	1460	607.47	1212.93	1212.65	0.28	0	9	66	1	AEAAGAPSATVLR
✓	191	602.58	1203.15	1203.62	-0.47	0	9	2.9e+02	1	SALPDGSLLTCK
✓	416	728.95	2183.83	2184.15	-0.32	2	9	2.4e+02	1	LQTIASKCLLHERAEMIR + Carbamidomethyl (C); Oxidation (M)
✓	2187	1090.46	2178.91	2178.94	-0.03	0	9	66	1	NSISSETSDAGGIQNNSHSMK + Oxidation (M)
✓	1420	594.78	1187.55	1187.69	-0.14	2	9	70	1	EIISKTKQNK
✓	1803	522.95	1565.83	1565.77	0.06	1	9	65	1	RVLSCVPLYCDGK + 2 Carbamidomethyl (C)
✓	296	656.51	655.50	655.29	0.21	0	9	2.3e+02	1	DDGPPR
✓	29	475.40	1423.17	1422.80	0.37	0	9	1.9e+02	1	SLIYHLHSAGVVK
✓	1645	683.38	1364.74	1364.66	0.08	0	9	63	1	CESSSLVESLVGR
✓	2298	807.69	2420.05	2420.19	-0.14	0	9	55	1	HHATACAFSTPSLYFTLVGER
✓	1702	717.84	1433.67	1433.73	-0.06	0	9	64	1	LNKPNINEAFMK + Oxidation (M)
✓	777	909.99	908.98	909.56	-0.58	0	9	1.1e+02	1	VNAIPIGVK
✓	1405	591.25	1180.48	1180.63	-0.15	1	9	60	1	LGGPEVRSNPR
✓	1755	497.88	1490.62	1490.76	-0.14	2	9	89	1	ALSRACGRASALCR + Carbamidomethyl (C)
✓	178	597.75	1790.22	1789.77	0.45	0	9	1.9e+02	1	AANDASPTTGNSDNAAGEK
✓	1828	537.55	1609.63	1609.90	-0.27	1	9	64	1	TKQPAPPPMFIVIR + Oxidation (M)
✓	1876	562.67	1685.00	1684.95	0.05	1	9	67	1	EQSTELWLLKGILR
✓	2077	676.23	2025.65	2025.10	0.56	2	8	78	1	DITVKFFSEKPKLSGVK
✓	1683	704.72	1407.42	1407.63	-0.21	0	8	65	1	CVGGMGFLDPPSR + Carbamidomethyl (C); Oxidation (M)
✓	355	692.43	2074.27	2073.98	0.29	0	8	2.1e+02	1	DLGADPLNPTYCNLPSTAGR
✓	207	613.64	1837.89	1837.84	0.05	0	8	1.7e+02	1	YVENWLTEIEHMMK + Oxidation (M)
✓	1500	618.60	1235.18	1234.63	0.54	1	8	1.3e+02	1	RAPYDLFEPK
✓	869	948.13	2841.36	2841.43	-0.07	2	8	2.2e+02	1	AANAGKGYQIAAEMGYVNLCTKGLVAR + Oxidation (M)
✓	1971	918.88	1835.74	1835.73	0.01	1	8	69	1	THSSSRSPDCCTGDGGR + 2 Carbamidomethyl (C)
✓	295	655.09	1962.24	1962.83	-0.59	1	8	2.4e+02	1	TCWCCGNGGSKNFVFAR + 2 Carbamidomethyl (C)
✓	182	599.99	1197.96	1197.70	0.26	0	8	2e+02	1	EVTNPATIILK
✓	814	929.08	928.07	927.54	0.53	0	8	2.5e+02	1	ALLDQLQK
✓	194	604.31	1206.61	1206.82	-0.21	2	8	2.4e+02	1	RIPILKNLLK
✓	177	597.37	1192.72	1192.54	0.18	0	8	1.8e+02	1	LSDCVLMPCR + Carbamidomethyl (C)
✓	267	641.67	1922.00	1921.98	0.02	2	8	1.8e+02	1	FYEGTGIFAPFSFRR

✓	730	889.32	888.32	888.45	-0.13	1	8	2.6e+02	1	RSMPAEAK
✓	1969	918.83	1835.64	1835.73	-0.09	1	8	74	1	THSSSRSPDCCTGDGGR + 2 Carbamidomethyl (C)
✓	405	720.18	719.17	719.35	-0.18	0	8	80	1	CEEVIK
✓	303	660.64	1319.27	1319.73	-0.46	0	8	3.1e+02	1	YITPSTDLVALK
✓	1862	833.83	1665.65	1665.86	-0.21	1	8	69	1	LLIPYEAKMQMTGR + Oxidation (M)
✓	335	677.87	1353.73	1353.69	0.04	1	8	3.7e+02	1	GGQTREHAMLVR
✓	1058	1025.72	2049.43	2049.25	0.18	2	8	2.6e+02	1	NLATLVRRAILQLQALTR
✓	2350	877.72	2630.15	2630.42	-0.27	2	8	59	1	TFYRFFLVREEQTVILATELR
✓	88	537.71	1610.12	1609.93	0.19	2	8	1.8e+02	1	KPIAKKYYTPFR
✓	1376	583.09	1164.17	1163.58	0.59	0	8	1.4e+02	1	LVLVDDDGR
✓	149	580.67	1739.00	1738.96	0.04	2	8	2e+02	1	SRLFSELFKLSIGDK
✓	2027	641.02	1920.03	1920.07	-0.04	2	8	69	1	GLISPKLINFKVDDSK
✓	1928	883.81	1765.61	1765.86	-0.25	0	8	76	1	TFLGATTGVHTFNDGTK
✓	1441	601.78	1201.55	1201.71	-0.16	1	8	95	1	IKEQIMIISK
✓	1817	531.23	1590.66	1590.73	-0.07	1	8	82	1	AEIEQTKADNADMR
✓	135	569.99	1706.95	1706.91	0.04	1	8	1.9e+02	1	NEDVILKCLWTVFK
✓	198	607.35	1819.04	1818.87	0.17	1	8	2.2e+02	1	CRFSGNLDAPVHGHR + Carbamidomethyl (C)
✓	1681	702.96	1403.91	1403.67	0.24	0	8	77	1	MGAGLSQQTPSSK + Oxidation (M)
✓	38	488.85	1463.54	1463.78	-0.24	2	8	2e+02	1	KNGTVVSTGGASKMK
✓	125	562.89	561.88	561.29	0.59	0	8	90	1	AVMNK
✓	878	477.07	952.12	952.50	-0.38	1	8	96	1	NGHWVRGK
✓	1562	643.32	1284.62	1284.75	-0.14	1	8	83	1	RLLSLLNSNQK
✓	127	564.99	563.98	564.27	-0.29	0	8	2.4e+02	1	SLSCR
✓	315	669.21	1336.40	1336.68	-0.28	1	8	2.4e+02	1	RGAAFFFSAAHR
✓	1650	686.79	1371.56	1371.61	-0.05	0	8	83	1	WEEIANS GGQPAN
✓	1253	555.16	1108.31	1108.59	-0.28	0	8	73	1	LFDDAFIIR
✓	39	489.33	976.65	976.45	0.20	0	8	2.2e+02	1	NEDASSLNK
✓	340	683.01	1364.00	1363.75	0.25	0	8	2.1e+02	1	TLDVYPVPPHK
✓	58	512.51	1023.00	1022.45	0.55	0	8	2.3e+02	1	GVQNMSEMK
✓	114	554.00	1105.98	1106.58	-0.60	0	8	2.3e+02	1	IINFQDMVK
✓	324	674.59	1347.17	1346.81	0.36	2	8	3.5e+02	1	MIRLIFKDIK
✓	2287	795.27	2382.78	2383.18	-0.40	1	8	1.1e+02	1	TTEATDLTSLYVRLLGCSGGGGGR
✓	106	546.55	1091.09	1090.55	0.55	1	8	3e+02	1	SRNSSGQLSR
✓	1741	1476.64	4426.89	4426.31	0.58	2	8	1.9e+02	1	LHIYAVKEEIPNLIIDFIPQNIQYIQLNDEMSK

✓	735	892.06	1782.10	1781.88	0.22	1	8	3e+02	1	EGRHVTEIMNEALQR
✓	1232	1100.90	2199.79	2200.18	-0.38	2	8	2.3e+02	1	FQFLTLISSVQKEEEFKK
✓	1438	1201.10	2400.19	2400.36	-0.17	0	8	3.3e+02	1	YYIGLLIGLAFGTAGFLVPFIR
✓	453	753.30	1504.59	1504.73	-0.13	1	8	2.3e+02	1	ELIPEEELCRMK + Oxidation (M)
✓	79	527.43	1579.26	1578.85	0.40	1	8	2.3e+02	1	AFAPLTVARTQYNK
✓	1580	648.15	1294.29	1294.60	-0.31	1	8	1.1e+02	1	GQSEIKFDDEK
✓	2024	640.66	1918.95	1918.95	-0.00	0	8	75	1	IDPWSCGIILIENTQK + Carbamidomethyl (C); Oxidation (M)
✓	2303	815.68	2444.02	2444.20	-0.17	2	8	70	1	YKDFIEHQIFRICNSMSAVK + Oxidation (M)
✓	914	969.51	1937.02	1936.88	0.14	1	7	2.3e+02	1	DEKGGVDGAWAVAQDYEK
✓	179	598.37	597.36	597.30	0.07	0	7	24	1	GATHGR
✓	201	608.57	1215.13	1214.69	0.45	2	7	3.6e+02	1	EIEELQKKAK
✓	919	486.21	970.40	970.57	-0.17	0	7	81	1	EVVLPSSLK
✓	616	834.15	2499.42	2499.16	0.26	2	7	3.1e+02	1	YSRVINSDSNGDADMGMRALATR
✓	2222	751.97	2252.90	2252.98	-0.08	2	7	86	1	SHHKCTCGVCVAFKDDHCK + 2 Carbamidomethyl (C)
✓	563	807.40	2419.17	2419.38	-0.21	2	7	3e+02	1	INDILPVNIFIHSADKIKELK
✓	1517	1247.08	3738.23	3737.89	0.34	2	7	3.2e+02	1	VNLNKLVDILLSQNESSDCALKTISSFLFYK + Carbamidomethyl (C)
✓	171	593.78	592.77	592.25	0.52	0	7	3.6e+02	1	DVCEK
✓	552	802.73	1603.44	1603.73	-0.29	1	7	3.1e+02	1	VHHCSTSNKCIYR + Carbamidomethyl (C)
✓	245	629.99	1257.96	1257.53	0.43	0	7	3.8e+02	1	EECHVNDEVK + Carbamidomethyl (C)
✓	656	850.36	849.35	849.33	0.02	0	7	92	1	ECEGEQR
✓	2282	793.26	2376.75	2377.24	-0.49	2	7	1.2e+02	1	SRAPLFEKAHRPHVFTAER
✓	1075	1033.07	1032.06	1032.53	-0.47	0	7	4.1e+02	1	SVLLCGADAK + Carbamidomethyl (C)
✓	1605	437.51	1309.52	1309.67	-0.15	2	7	79	1	APPMPRAPSRCK
✓	1930	590.28	1767.81	1767.85	-0.04	2	7	84	1	MRESEEYIEIGKER
✓	101	545.17	1632.49	1632.88	-0.39	0	7	2.8e+02	1	DSISADHLLLIHTAK
✓	696	873.06	872.05	872.44	-0.38	1	7	2.2e+02	1	RVENELN
✓	1960	913.43	1824.84	1825.02	-0.18	2	7	80	1	RLGPLSGLTQNGESIRK
✓	1689	472.93	1415.78	1415.65	0.13	1	7	89	1	TQHEQMERETK
✓	893	959.41	958.40	958.56	-0.15	2	7	2.6e+02	1	IKTERGQK
✓	1656	689.27	1376.53	1376.59	-0.05	0	7	93	1	SDCTPPELWACR
✓	1936	888.76	1775.51	1775.76	-0.25	1	7	1.4e+02	1	FLDNSSSDEDNYKSR
✓	2068	672.21	2013.61	2013.07	0.54	2	7	1.3e+02	1	DKLLKEALQDVGETGR
✓	2171	1083.45	2164.89	2165.12	-0.23	1	7	88	1	DDITNGYKWLLLAYIPDR
✓	1113	1048.48	1047.48	1047.55	-0.07	0	7	2.7e+02	1	QAQLYVNGR

✓	1344	576.48	1150.95	1150.60	0.35	1	7	1.3e+02	1	YLAEAVRDSK
✓	1827	537.25	1608.72	1608.85	-0.13	0	7	84	1	VYNVVIINGSPYSGK
✓	226	621.43	1240.84	1240.71	0.13	1	7	2.8e+02	1	LVAPAASLSEKR
✓	328	676.52	1351.03	1350.85	0.18	0	7	4e+02	1	ALEVVI GLPTVIK
✓	73	523.28	1566.82	1566.75	0.07	1	7	2.1e+02	1	GGSGVHAAAGAAGDGEKR
✓	292	654.23	1306.44	1306.67	-0.23	1	7	2.6e+02	1	LMLEGFQRGEK
✓	2379	922.63	2764.88	2765.27	-0.38	2	7	1.3e+02	1	ERPSFGTKACRSTADEDDVSAEPAAR
✓	770	907.03	1812.05	1811.83	0.21	0	7	3.8e+02	1	FAEAVLNFCSPNCIER
✓	341	683.21	2046.60	2046.09	0.51	1	7	2.9e+02	1	LAIGLVEEMSADLGGLRR
✓	359	697.33	2088.95	2088.92	0.03	1	7	2.3e+02	1	DVSSLTADGRMYSDVGNR + Oxidation (M)
✓	241	626.86	1877.55	1877.91	-0.35	2	7	3e+02	1	SSIGGDGSDRLCWREIK
✓	1984	619.99	1856.95	1856.91	0.04	1	7	1e+02	1	ICEQVNSPDLRLDNGK + Carbamidomethyl (C)
✓	2476	1132.46	3394.36	3394.61	-0.25	1	7	80	1	FEWSCSSSILQCTPQLGHMSPGSKQLTLR + Carbamidomethyl (C); Oxidation (M)
✓	1997	628.89	1883.66	1883.82	-0.16	1	7	1e+02	1	AEDDKESHSLYVAGNSY
✓	118	557.04	1668.10	1667.77	0.32	1	7	3.4e+02	1	SNTSAHNRSHQHHR
✓	369	701.28	700.27	700.34	-0.07	0	7	1.2e+02	1	IPDDNK
✓	992	996.59	2986.75	2986.44	0.31	2	7	2.6e+02	1	ERAQSFFFFFFCAVWSLSQLSMRQR + Oxidation (M)
✓	1157	533.40	1064.79	1064.50	0.29	1	7	95	1	FRSMHLCR + Oxidation (M)
✓	123	559.97	1676.90	1676.95	-0.05	1	7	3.1e+02	1	TLREVILYNTNITK
✓	1703	719.13	1436.24	1435.77	0.47	1	7	1.9e+02	1	ASKDQAYAIISAAK
✓	457	757.46	1512.91	1512.73	0.18	1	7	2.8e+02	1	SQNSSFTPRAFGSK
✓	2220	751.38	2251.13	2251.00	0.13	2	7	87	1	MRRGEDGVSTPGVDAASGADGCK + Oxidation (M)
✓	113	553.25	552.24	552.36	-0.12	0	7	18	1	IPVPK
✓	494	772.67	1543.33	1543.73	-0.40	0	7	4e+02	1	GNVNDNMADITGPVK
✓	1525	628.49	1254.97	1254.61	0.36	2	7	1.1e+02	1	ETMLSSCKGRK + Oxidation (M)
✓	1213	1092.14	3273.40	3273.58	-0.19	2	7	3.6e+02	1	DGGVSRREGGIVEGCAAQAVPGLGACGHVGPQGR + Carbamidomethyl (C)
✓	979	495.20	988.38	988.55	-0.17	1	7	1.1e+02	1	ITAKAINCR
✓	52	505.33	1512.96	1512.74	0.21	1	7	2.3e+02	1	AEEPTEEQPLSKR
✓	1707	720.89	1439.76	1439.79	-0.03	1	7	99	1	KHLVLDMSLVNR + Oxidation (M)
✓	1549	637.89	1273.76	1273.70	0.06	2	7	1.1e+02	1	QQISSAEKQKK
✓	1879	564.64	1690.89	1690.85	0.04	0	7	99	1	NGGSLAQVEALTEQFK
✓	2014	636.37	1906.09	1905.92	0.17	0	7	1e+02	1	ATSAVSITAGATSCAQPASR + Carbamidomethyl (C)
✓	1898	571.61	1711.81	1712.02	-0.21	2	7	99	1	EKKQTQIIGLSIINK
✓	542	399.24	796.47	796.44	0.02	0	7	89	1	TVPEVPR

✓	48	498.23	1491.67	1491.78	-0.11	1	7	2e+02	1	MTVDIARLIEMGK + Oxidation (M)
✓	472	764.13	2289.38	2288.99	0.39	1	7	3.8e+02	1	VSNNTQGSCNYQNSGRGAGYR + Carbamidomethyl (C)
✓	507	781.02	2340.05	2340.28	-0.23	2	7	3.4e+02	1	NINNALDVLHSRNIHRDVK
✓	2102	687.40	2059.17	2058.99	0.18	2	7	1.1e+02	1	MPRGAGAGCDQDVCRRVIGR
✓	1252	1109.21	3324.60	3324.55	0.04	0	7	3e+02	1	TCLMMTCVGLSVTCAAFYVQLQCFSPGKG + Carbamidomethyl (C)
✓	1780	764.79	1527.57	1527.81	-0.24	0	7	1.1e+02	1	APLCVVVSLQEVTR + Carbamidomethyl (C)
✓	428	734.43	2200.26	2200.30	-0.04	2	6	3.3e+02	1	IKLRPTPLHPISARSYVR
✓	15	439.91	1316.70	1316.68	0.03	0	6	2.9e+02	1	EVPPFLAPEYR
✓	139	571.61	1141.20	1141.69	-0.50	1	6	2.9e+02	1	LVSQRTLGLR
✓	352	689.25	688.24	688.30	-0.05	0	6	1.7e+02	1	ANPECR
✓	751	901.90	900.89	900.48	0.41	1	6	2.1e+02	1	TQSGPAKGR
✓	1097	1040.28	3117.83	3117.45	0.38	1	6	3.9e+02	1	GCCVIHVTAPPGRNICWHPQLGGEATCK + 3 Carbamidomethyl (C)
✓	1492	1231.13	3690.37	3690.67	-0.29	2	6	4.3e+02	1	LQVCTDDSSDDGEEDDGDLEKEISRLVPAAVAK + Carbamidomethyl (C)
✓	1321	1142.43	3424.26	3424.54	-0.28	0	6	3.4e+02	1	SVTLPGTSGDTCWHLCEQHVGGVEQTQGGEGK + Carbamidomethyl (C)
✓	1493	1231.56	3691.66	3691.73	-0.07	1	6	3e+02	1	DVPEPIPLCTYAICDAEYISQKTYICLTQNQK + Carbamidomethyl (C)
✓	1610	659.24	1316.46	1316.69	-0.23	1	6	1.7e+02	1	NAAVVDIGACKTR
✓	2169	722.32	2163.92	2164.16	-0.23	1	6	99	1	GCLGLVIFNVEPRHLVDAR + Carbamidomethyl (C)
✓	624	839.93	2516.77	2516.29	0.48	1	6	4.7e+02	1	VLSNGGNQNLGGNDFDKVISDIK
✓	78	526.48	1576.41	1576.78	-0.38	0	6	3.3e+02	1	VVQEAVSGAYEAAQR
✓	327	338.40	674.79	675.38	-0.59	0	6	2.7e+02	1	ISSVIAS
✓	534	796.14	1590.26	1589.86	0.39	2	6	4.1e+02	1	QQPMFLVRLMRR + Oxidation (M)
✓	595	822.65	2464.94	2465.25	-0.31	1	6	4.2e+02	1	SHKVVASVSNFMAVLPGDAAYR
✓	1894	854.29	1706.56	1706.84	-0.28	2	6	1.2e+02	1	CQDKTSSDKPSLRSR
✓	1607	1314.12	3939.35	3938.84	0.51	2	6	4e+02	1	VVEDGEEEEAAASSQQHSTDVGRANDTASPPLPPHRAR
✓	2037	648.59	1942.74	1942.91	-0.17	0	6	1.3e+02	1	MEDQAPTTHNVDPFVK + Oxidation (M)
✓	872	950.73	1899.45	1899.91	-0.47	1	6	4.1e+02	1	LDSIHAEDARLAEMK + Oxidation (M)
✓	1524	627.95	1253.89	1253.81	0.09	2	6	1.1e+02	1	STGLPVAIKKLK
✓	150	580.69	1739.05	1738.97	0.07	0	6	3.2e+02	1	LAWVQQQLSAVEVLR
✓	175	595.90	1784.69	1784.90	-0.21	1	6	3e+02	1	KCAPGLTQLHFSSPSR + Carbamidomethyl (C)
✓	2324	837.31	2508.90	2509.30	-0.41	2	6	1.6e+02	1	EIEIKEENKENNIENLPLSVR
✓	693	871.93	870.93	870.50	0.43	0	6	2.3e+02	1	LLNLPAK
✓	1955	606.59	1816.75	1816.87	-0.12	1	6	1.3e+02	1	PANDCVLMDKIIEGDGK
✓	672	857.96	1713.90	1713.99	-0.09	2	6	5.4e+02	1	MKIVLRSIVGSEQVR
✓	435	739.54	738.53	738.31	0.22	0	6	4.1e+02	1	AGCEFR + Carbamidomethyl (C)

✓	1563	643.50	1284.98	1284.75	0.23	1	6	1.4e+02	1	SLVQVVAGTKQR
✓	170	593.76	1778.26	1777.90	0.36	0	6	4.6e+02	1	GPDLETQATAAAALHNK
✓	1983	928.42	1854.82	1854.95	-0.13	0	6	1.2e+02	1	WTWPPPHHSTLVELR
✓	173	594.96	1187.91	1187.50	0.41	0	6	3e+02	1	YYDEIENDK
✓	478	765.82	764.81	765.31	-0.50	0	6	4.5e+02	1	ACNCDLK
✓	497	774.49	2320.45	2320.14	0.32	2	6	4.1e+02	1	IGENMIDLHNYLKYGGRGR
✓	9	412.74	823.46	823.46	0.01	0	6	3e+02	1	LSPPASPR
✓	1162	1066.70	3197.09	3197.46	-0.38	2	6	3.9e+02	1	DRSIMAGDGSEAPEVASTNSGDPLIEHRR + Oxidation (M)
✓	1811	528.09	1581.23	1580.92	0.31	2	6	2.2e+02	1	VDPRLKTLIENGVK
✓	302	660.31	1977.92	1978.01	-0.09	0	6	4.2e+02	1	QPSVIFIDEIDSLLSMR + Oxidation (M)
✓	337	677.97	2030.90	2031.10	-0.20	2	6	4.7e+02	1	TLLTMDPSKLLGNETVRK + Oxidation (M)
✓	1426	596.26	1190.50	1190.63	-0.13	1	6	1.3e+02	1	ADKGGFQDLLK
✓	884	956.51	955.51	955.56	-0.05	1	6	3.4e+02	1	DALGVARVR
✓	165	590.90	1769.69	1769.84	-0.15	0	6	4.7e+02	1	GFIMSDGTNSVNMLLR + Oxidation (M)
✓	278	648.38	647.38	647.34	0.03	1	6	4e+02	1	AKACQK
✓	3	327.62	979.83	979.59	0.23	2	6	2e+02	1	DRIPVPKR
✓	104	546.29	1090.56	1090.52	0.04	0	6	3.4e+02	1	LHAMTEAYR
✓	1465	608.23	1214.45	1214.50	-0.05	0	6	1.4e+02	1	EETTTADSSMK + Oxidation (M)
✓	2203	737.66	2209.97	2210.03	-0.06	1	6	1.1e+02	1	EGCSGNVMKEILGQSELSWK + Oxidation (M)
✓	374	704.96	1407.91	1407.72	0.19	1	6	5e+02	1	KMVNATSIVNGMK + Oxidation (M)
✓	2409	993.64	2977.90	2977.41	0.49	2	6	1.6e+02	1	FCPVTFACGVLVEGAANYGCVFRRR + 2 Carbamidomethyl (C)
✓	363	699.94	1397.87	1397.72	0.15	0	6	4.2e+02	1	FSNTVFNDTIK
✓	1991	939.15	1876.29	1875.89	0.40	1	6	1.7e+02	1	SLLSDRGVSCPGAWDGTR
✓	2132	1052.95	2103.89	2103.90	-0.01	2	6	1.1e+02	1	QRNGAEECQGRGGNEAEDK + Carbamidomethyl (C)
✓	365	700.32	2097.94	2098.07	-0.14	2	6	3.6e+02	1	YEGMRFADMRDLLQLK
✓	793	919.75	2756.23	2756.46	-0.24	2	6	4.5e+02	1	DLEIKIIPDKANGTLSIQDSGIGMTK
✓	1820	798.91	1595.80	1595.85	-0.05	1	6	1.3e+02	1	NGEVEIIPNEINKK
✓	1883	847.27	1692.52	1692.88	-0.36	0	6	1.4e+02	1	FALAVVANGGPAATSYGK
✓	304	660.84	1979.50	1979.89	-0.39	1	6	8.4e+02	1	EQMMVGDTCPGTQRTGAAK
✓	570	810.76	809.75	809.38	0.38	0	6	1.5e+02	1	NPHGNSGK
✓	922	971.93	1941.84	1942.03	-0.19	1	6	4.3e+02	1	LAPHVVDCTRVIHQAAR + Carbamidomethyl (C)
✓	856	942.21	1882.41	1881.84	0.57	0	6	4.5e+02	1	DPATTCVECLPGYMLNR
✓	620	838.01	837.00	836.41	0.60	0	6	4.9e+02	1	TMETSIR
✓	1962	611.92	1832.74	1833.00	-0.26	2	6	1.3e+02	1	YLISLGANINEKGEK GK

✓	512	393.11	784.21	784.38	-0.17	0	6	1.1e+02	1	TAFTMSK
✓	56	508.92	1015.83	1015.57	0.26	1	6	3.3e+02	1	ETNNLLKGK
✓	2431	1038.96	3113.86	3113.61	0.25	2	6	1.2e+02	1	HHLRGCLQAVADRLALYGPCLPAVQEAR + Carbamidomethyl (C)
✓	985	991.40	1980.79	1980.92	-0.14	0	6	4e+02	1	THQSTAPTSAGPSNSAPSQR
✓	2247	770.38	2308.10	2308.23	-0.13	2	6	1.2e+02	1	KVSNEFNIQNIPTPFVKQR
✓	500	776.19	775.19	775.46	-0.27	1	6	1.7e+02	1	SSTVVKR
✓	1348	1153.15	3456.43	3456.50	-0.07	1	5	4.3e+02	1	MEFLNGMPVIDVGSPMLGMHSYRETMCYK + Carbamidomethyl (C); 4 Oxidation (M)
✓	1634	1345.89	4034.65	4034.69	-0.04	1	5	4.2e+02	1	GAISCLSCDSSCLSDPTNGYCLTCNKGSYLNTQTNK + 3 Carbamidomethyl (C)
✓	1737	737.92	1473.82	1473.82	-0.00	2	5	1.4e+02	1	KLLIQNTEMKEK
✓	1399	588.26	1174.51	1174.62	-0.12	1	5	1.6e+02	1	MLNAQSSRLR
✓	1771	755.83	1509.64	1509.82	-0.18	1	5	1.4e+02	1	KEVPQNLLDDIAR
✓	532	795.49	1588.96	1588.92	0.04	2	5	4.2e+02	1	KKAEVFNGLLLTK
✓	1294	1129.39	3385.16	3384.75	0.41	0	5	4.6e+02	1	GVAGPLPEGPAAPPEVYMPFRPFVGMPVPPGVR
✓	1403	590.37	1178.73	1178.66	0.07	2	5	1.3e+02	1	AKSLAQMFRK
✓	606	827.89	2480.66	2480.17	0.49	1	5	5.7e+02	1	MMNQYDAEISKQIAEGAEIPAR + Oxidation (M)
✓	218	617.85	1233.69	1233.63	0.06	1	5	7.5e+02	1	KLEEEQSMLK
✓	2026	960.84	1919.66	1919.89	-0.22	0	5	1.4e+02	1	AALIYQNMEAAHMNEAK + Oxidation (M)
✓	2280	792.97	2375.89	2376.16	-0.27	1	5	1.3e+02	1	SLSEISTSLSDKIHNMSGEVAR + Oxidation (M)
✓	1178	537.76	1073.50	1073.60	-0.10	1	5	1.7e+02	1	MTRQLQGLK
✓	143	575.38	574.37	574.33	0.04	1	5	1.7e+02	1	VKTLD
✓	334	677.80	1353.59	1353.65	-0.06	0	5	6.7e+02	1	LEGLLSAHEDDR
✓	1329	574.25	1146.48	1146.70	-0.22	2	5	1.5e+02	1	TTASLLAKSKK
✓	1347	576.94	1151.87	1151.60	0.27	1	5	1.5e+02	1	FACVTKEGLK + Carbamidomethyl (C)
✓	2096	684.95	2051.83	2051.88	-0.04	1	5	1.3e+02	1	DKLGVWNCNEDDNGFR + Carbamidomethyl (C)
✓	253	634.10	1899.27	1898.97	0.30	2	5	5.8e+02	1	GDIEFKNVWFKYPTR
✓	1766	753.28	1504.54	1504.81	-0.27	1	5	1.4e+02	1	VVSPPASSQQPPRR
✓	1885	848.83	1695.64	1695.86	-0.22	0	5	1.4e+02	1	VLSSTNSLCGYGLGLR + Carbamidomethyl (C)
✓	1700	716.41	1430.80	1430.85	-0.05	1	5	1.5e+02	1	ELTKGLVGLLFNK
✓	1474	1221.31	1220.30	1220.70	-0.40	1	5	4.3e+02	1	LNEHQRLAK
✓	921	971.93	1941.84	1941.99	-0.15	0	5	4.7e+02	1	FSEVIDLSSSDIVAGYIK
✓	2456	1087.15	3258.44	3258.62	-0.18	2	5	1e+02	1	MPFLQTIVSVSLDDQKRANLSAAYGMICR + 2 Oxidation (M)
✓	344	685.73	684.72	684.39	0.33	0	5	1.2e+02	1	ALPSAAR
✓	1518	1247.11	2492.21	2492.36	-0.15	0	5	5.6e+02	1	MIGEIIIGGIIGWIISYFLPCK + Carbamidomethyl (C)
✓	1530	629.51	1257.01	1256.70	0.31	2	5	1.8e+02	1	LKDVHQKYAR

✓	1546	1272.15	1271.14	1271.54	-0.39	1	5	5.2e+02	1	GGPKGGGGEGGEEGQ
✓	969	984.90	2951.69	2951.43	0.25	1	5	4.4e+02	1	DGASVAAVAAAAAAELSMLLCCRCAATVAK + Carbamidomethyl (C); Oxidation (M)
✓	2364	900.42	2698.24	2698.43	-0.19	2	5	1.2e+02	1	MIIFFLFFFFNLSLSNKSNNKK
✓	329	676.61	2026.82	2026.89	-0.08	1	5	6.2e+02	1	VVERAAGMGAGGGEGYGQSCR + Oxidation (M)
✓	17	445.24	888.47	888.51	-0.04	2	5	4e+02	1	TKKAAAGSR
✓	2224	752.38	2254.12	2254.11	0.00	2	5	1.5e+02	1	SSKLSSSSGGGSVTGRSSVSSTPR
✓	2344	866.34	2595.99	2596.34	-0.35	1	5	1.6e+02	1	TAALFEARTPAVTYYCYLFLVK + Carbamidomethyl (C)
✓	1614	661.53	1321.05	1321.62	-0.57	1	5	2e+02	1	KGMETENEQLK + Oxidation (M)
✓	1014	1008.11	1007.10	1006.51	0.59	2	5	5.5e+02	1	AKGEEMAKK + Oxidation (M)
✓	2308	1235.81	2469.61	2470.15	-0.54	2	5	1.8e+02	1	MNFETKLNEQKQIMTDNNEK + Oxidation (M)
✓	1959	913.21	1824.41	1823.92	0.49	0	5	2.5e+02	1	GIAHGGVCLDNVLVSADGK
✓	47	497.17	1488.49	1488.69	-0.20	0	5	2.9e+02	1	EQLYGYLDMTTR
✓	224	620.83	1239.64	1239.60	0.04	1	5	6.9e+02	1	LIMKNAEMMK + 2 Oxidation (M)
✓	262	639.23	638.22	638.28	-0.05	0	5	1.2e+02	1	EMMTK
✓	1982	618.68	1853.02	1852.86	0.15	1	5	1.6e+02	1	EQMNKIISMNNSWMK
✓	411	725.05	1448.10	1447.79	0.31	2	5	4.2e+02	1	RQYTINLRQEK
✓	1257	1110.18	3327.52	3327.69	-0.17	1	5	4.4e+02	1	NQVDLTLDLPGMTRVAVEGQSENIEETIK + Oxidation (M)
✓	2259	775.27	2322.78	2323.18	-0.40	1	5	1.8e+02	1	AGTPQYIPPYVIKGISDSFDR
✓	2310	825.78	2474.33	2474.18	0.15	0	5	1.3e+02	1	VAYFNEIGTSPVNSISFQDMK
✓	1832	807.80	1613.58	1613.64	-0.06	1	5	1.6e+02	1	GCCDALAMERMER + 2 Carbamidomethyl (C); Oxidation (M)
✓	1345	1152.67	3454.98	3455.33	-0.36	1	5	4.3e+02	1	ATNGAASDADTSASSCSCHSCCCSSVGLRSTR + 3 Carbamidomethyl (C)
✓	653	849.20	1696.38	1696.89	-0.51	2	5	6.4e+02	1	GLAVNDSLKSKWDHK
✓	157	586.74	585.73	585.36	0.37	0	5	1.4e+02	1	ANIIR
✓	1407	591.77	1181.52	1181.57	-0.05	0	5	1.3e+02	1	ENLPVEYYR
✓	200	608.29	1821.85	1821.80	0.05	1	5	4.9e+02	1	AEGARGSTSNAMGNADGTR
✓	1921	586.32	1755.94	1755.73	0.21	0	5	1.5e+02	1	SSGDACDDTLVCVTEK + 2 Carbamidomethyl (C)
✓	1750	496.27	1485.80	1485.66	0.14	0	5	1.5e+02	1	DVWAHNLEDEMK
✓	1459	607.14	1212.28	1212.66	-0.38	1	5	2.2e+02	1	GSRSTPGPTVVR
✓	1585	1298.06	3891.16	3890.64	0.53	1	5	5.1e+02	1	CICTLEASCTANVNHDECGGKGQACYGVLGSSTGER + 3 Carbamidomethyl (C)
✓	158	587.65	1759.93	1759.99	-0.06	1	5	5.1e+02	1	SVVIAAPECVKSLFLK + Carbamidomethyl (C)
✓	5	364.10	726.18	726.26	-0.08	0	5	2.7e+02	1	TCCMNR
✓	2383	928.67	2783.00	2783.10	-0.09	1	5	1.8e+02	1	NVNGTCDKCLFENCSECTSDVCTK + 3 Carbamidomethyl (C)
✓	1995	627.91	1880.71	1881.02	-0.31	2	5	1.5e+02	1	IANRKMYVLFEELK
✓	2393	960.69	2879.06	2878.48	0.58	1	5	1.8e+02	1	NRLPTAPLHPVTA AELLCELHPSEDR

✓	1386	1169.45	1168.44	1168.65	-0.20	0	5	4.6e+02	1	GNVVEINPVTK
✓	1450	1209.45	1208.45	1208.56	-0.12	1	5	4.8e+02	1	MCEAAIQKGSR + Oxidation (M)
✓	99	544.77	1631.28	1631.79	-0.51	1	5	6.9e+02	1	ELAETLEEQGKEEK
✓	821	931.58	930.57	930.51	0.06	1	5	1.9e+02	1	AVLRMEGR
✓	19	452.55	1354.63	1354.68	-0.05	0	5	4.6e+02	1	IGCISHHGYLAK + Carbamidomethyl (C)
✓	1846	546.30	1635.88	1635.80	0.09	1	5	1.6e+02	1	LVSCMEPGGMCLLKR
✓	584	815.40	814.39	814.39	-0.00	1	5	1.8e+02	1	KYLSSMS
✓	671	857.03	2568.08	2568.22	-0.14	1	5	5.9e+02	1	MECKGLPTMGILNTINPYCEIR + Carbamidomethyl (C); Oxidation (M)
✓	1730	490.50	1468.47	1468.80	-0.32	0	5	1.8e+02	1	IVLEGVPCELIER
✓	1753	497.19	1488.55	1488.82	-0.27	1	5	1.6e+02	1	ERGMPPPPRPVLK + Oxidation (M)
✓	1109	523.77	1045.53	1045.47	0.06	0	5	1.9e+02	1	HITCCDLK + 2 Carbamidomethyl (C)
✓	773	908.28	1814.56	1814.91	-0.35	2	5	6e+02	1	LEARMAEDPSQLSRGR
✓	1471	609.75	1217.48	1217.55	-0.08	0	5	1.9e+02	1	LGPNDMCEIAR
✓	2156	714.41	2140.21	2140.02	0.18	0	5	1.4e+02	1	MFCETLDIIGDIEIEPFR
✓	148	580.66	1159.31	1159.61	-0.30	0	5	4.6e+02	1	GCAIVAAMLSPK
✓	1245	1105.13	1104.12	1103.60	0.52	1	5	7.1e+02	1	KDISLEPFR
✓	1858	830.85	1659.68	1659.74	-0.06	1	5	1.6e+02	1	GYCQDVLSYLEAKD + Carbamidomethyl (C)
✓	491	771.79	1541.57	1541.07	0.51	2	5	5.3e+02	1	VIIIIIVKVYIKK
✓	1765	502.51	1504.51	1504.75	-0.24	1	5	1.7e+02	1	MDCQNRAAIALVK + Carbamidomethyl (C); Oxidation (M)
✓	89	537.96	1073.90	1073.46	0.44	0	5	4.1e+02	1	DCYISFNR + Carbamidomethyl (C)
✓	1533	1260.04	1259.03	1259.62	-0.59	1	5	5.1e+02	1	SGVDGNTVEARR
✓	92	539.28	1614.81	1614.90	-0.09	2	5	4e+02	1	VRRQVCSALSQALAK + Carbamidomethyl (C)
✓	1306	1135.08	1134.07	1134.53	-0.45	1	5	7e+02	1	NKDDQATTSR
✓	612	831.66	830.65	830.46	0.19	0	4	2.4e+02	1	IQSSIQR
✓	678	860.65	2578.93	2578.37	0.56	2	4	6.6e+02	1	LCMETPFSAVAAAAAYAKAIKAPAK + Carbamidomethyl (C)
✓	1775	760.44	1518.86	1518.86	-0.01	1	4	1.8e+02	1	ATKPAIPARAAEAPR
✓	243	627.21	626.20	626.28	-0.09	0	4	81	1	FMSSR
✓	1334	1150.14	1149.14	1148.64	0.49	1	4	5.8e+02	1	FKLTLSEPSK
✓	2343	863.63	2587.86	2588.20	-0.34	0	4	2.2e+02	1	AYDIPSPCSYMELNIQFLCVPL + Carbamidomethyl (C); Oxidation (M)
✓	2142	704.96	2111.87	2112.05	-0.18	2	4	1.8e+02	1	FVDLIDNKKDEIMEMIK + 2 Oxidation (M)
✓	423	731.61	2191.80	2192.09	-0.29	2	4	7.6e+02	1	ICRDFNPENRVQFGTAGLR
✓	1964	612.24	1833.69	1833.93	-0.25	1	4	1.7e+02	1	VMQSGEMKLDIIVNNK + Oxidation (M)
✓	247	631.10	1260.18	1259.63	0.54	1	4	8.8e+02	1	TFMSIARQYK + Oxidation (M)
✓	674	859.25	2574.74	2575.29	-0.55	1	4	7e+02	1	ADETVEEKTEFDVIIQEVPSAK

✓	130	566.31	1130.61	1130.62	-0.01	0	4	3.9e+02	1	IIDTVSIENK
✓	684	433.67	865.33	865.47	-0.14	1	4	1.8e+02	1	DRITFSK
✓	1456	1211.15	3630.42	3630.79	-0.36	2	4	5.8e+02	1	GGVLCVDKEGVCSLLILEPPNFHQQRIMMK + 2 Carbamidomethyl (C); 2 Oxidation
✓	300	659.69	658.68	658.38	0.30	0	4	2.5e+02	1	AATQLR
✓	1078	1034.81	2067.60	2067.86	-0.26	1	4	6.2e+02	1	HCGCAIRYCPCCGAELAGK + 2 Carbamidomethyl (C)
✓	1324	1143.61	3427.81	3427.72	0.09	1	4	4.9e+02	1	FNHGTAELSLVSPRPVLDSDEDGRAPLSHGVR
✓	2488	1172.74	3515.21	3515.70	-0.48	1	4	1.9e+02	1	DTGIIPCQEGVDGVPCYGNLGPWEVDVATIKK
✓	268	642.35	641.34	641.45	-0.10	1	4	4.3e+02	1	KGLVII
✓	1387	1169.96	2337.90	2338.17	-0.28	1	4	4.9e+02	1	VPGQYECFSGLNTSKPAKLR + Carbamidomethyl (C)
✓	2112	1039.92	2077.83	2078.11	-0.28	2	4	1.6e+02	1	IKTDMILISIDVSLRSMK
✓	778	910.15	1818.29	1818.04	0.25	2	4	5.3e+02	1	KITGMIDFPIKIAVTR + Oxidation (M)
✓	1208	1089.98	3266.92	3267.51	-0.58	1	4	6.3e+02	1	CLVGSWETTPAAGEARALFHECVEAYQSSR
✓	1654	687.74	1373.46	1373.54	-0.09	0	4	2.3e+02	1	MESMLSNMMPR + 3 Oxidation (M)
✓	1949	602.72	1805.15	1804.99	0.16	2	4	2e+02	1	ESIEKELSIFIQKNK
✓	1060	1027.55	3079.63	3079.42	0.21	1	4	4.7e+02	1	SLSQLHNPSFSTLRCWEASGSGYDQR + Carbamidomethyl (C)
✓	1777	761.80	1521.58	1521.66	-0.07	0	4	1.8e+02	1	TATDGDGGALWESK
✓	205	610.94	609.94	609.35	0.59	0	4	97	1	IDLHL
✓	1805	787.20	1572.39	1572.69	-0.30	1	4	3.3e+02	1	NYMSGDPSSKQTMK
✓	249	631.48	1891.42	1891.94	-0.53	0	4	8.5e+02	1	YVEFINIFDCLFELK
✓	346	687.09	1372.16	1372.70	-0.53	2	4	7.2e+02	1	APKKAGMAMPESR
✓	246	630.92	629.91	629.35	0.56	0	4	5.8e+02	1	AAEAIR
✓	1017	1008.92	1007.91	1008.51	-0.60	2	4	6.8e+02	1	KMCDLKAK + Carbamidomethyl (C); Oxidation (M)
✓	84	534.54	1600.60	1600.86	-0.26	0	4	5.3e+02	1	LNEVFLNILNQR
✓	1190	1079.40	1078.39	1078.54	-0.15	1	4	5.4e+02	1	SQQSALCKSK
✓	1353	1154.49	1153.48	1153.64	-0.16	2	4	4.6e+02	1	HMKKQGLNAK
✓	248	631.27	630.26	630.31	-0.05	0	4	3.4e+02	1	HFAEK
✓	695	872.86	871.85	871.41	0.44	1	4	6.4e+02	1	TGEMKYK + Oxidation (M)
✓	1455	1210.66	3628.96	3628.74	0.22	2	4	4.4e+02	1	MRFEALKHHLAALPTHVCDDNGASVGPPTAMNR + Carbamidomethyl (C); Oxidation (M)
✓	2291	799.24	2394.69	2395.26	-0.56	2	4	3e+02	1	QFQAMYAEKKDLEAIITQLR
✓	72	521.35	1040.69	1040.60	0.09	2	4	3.9e+02	1	LKFNAHRR
✓	631	841.83	840.82	841.38	-0.56	0	4	1.9e+02	1	QYSDDTK
✓	2330	844.70	2531.07	2531.31	-0.24	2	4	1.8e+02	1	TTAAKTAEAVAEALRGTTVGEEEVK
✓	313	668.06	1334.10	1333.65	0.45	0	4	6.3e+02	1	WSGMFGTPQVPK
✓	174	595.64	1783.90	1783.83	0.07	0	4	5.2e+02	1	MEGTTSVANNSSTTSVAVK

✓	413	725.26	2172.75	2173.00	-0.25	0	4	5e+02	1	AALHNSQFHVICTCSGCNIR
✓	1084	1036.88	3107.62	3107.76	-0.13	1	4	5.5e+02	1	ALRNVALLLGALIVQEPAPLLLDFFDMR
✓	2441	1053.63	3157.88	3157.58	0.30	2	4	1.7e+02	1	MGVPSVLFVCTGNICRSPVAEVICSKYTK + Carbamidomethyl (C)
✓	1437	1200.98	3599.91	3599.44	0.47	1	4	5.2e+02	1	YFDGSNCVSCGSNCSLCTVNGKCSLCDDSTYLK + 2 Carbamidomethyl (C)
✓	1685	705.80	1409.59	1409.75	-0.16	2	4	2e+02	1	GHKVYLKDASHR
✓	270	644.24	643.24	643.27	-0.04	0	4	2.3e+02	1	ACEHK + Carbamidomethyl (C)
✓	1794	781.25	1560.48	1560.85	-0.38	1	4	2e+02	1	LTCPTGLKNATTLTK
✓	637	843.43	842.42	842.53	-0.11	1	4	5.8e+02	1	AGRLISVK
✓	1300	1132.69	2263.38	2263.31	0.07	2	4	6.2e+02	1	LIAGHTNKFEQIKGEILKPK
✓	2315	830.40	2488.18	2488.22	-0.04	0	4	1.6e+02	1	ALDAFDLPMLAYHLVTAAGSGPCR
✓	2434	1043.42	3127.25	3127.41	-0.16	0	4	1.6e+02	1	HPEAFCEVQLPGCVHVMASEACLPR + 3 Carbamidomethyl (C); Oxidation (M)
✓	1948	600.97	1799.87	1799.88	-0.01	0	4	1.8e+02	1	ECIIEVDEHLLNVMK + Oxidation (M)
✓	2175	724.43	2170.26	2170.21	0.05	1	4	1.6e+02	1	MTEAIVGLLLMTNRRPAIR + Oxidation (M)
✓	692	871.72	1741.43	1741.91	-0.48	0	4	6.7e+02	1	VPFKPFFATTDFTPK
✓	2283	793.75	2378.22	2378.05	0.18	1	4	1.7e+02	1	GMCPDMIMNPHGFSPRMTVGK + Carbamidomethyl (C); Oxidation (M)
✓	994	997.58	2989.73	2989.50	0.23	1	4	5e+02	1	MSTMPVTLRTTTTVFLLCGICALDVSK + Carbamidomethyl (C); 2 Oxidation (M)
✓	2194	1097.40	2192.78	2193.02	-0.23	2	4	2.1e+02	1	LCIYMKCFDDNLVEKSEK + Oxidation (M)
✓	1711	721.88	1441.74	1441.81	-0.06	2	4	1.9e+02	1	LKHMVLDKISSR + Oxidation (M)
✓	1527	1257.01	3768.01	3767.57	0.44	1	4	5.6e+02	1	SKNGSVVCVCVCVCVCVCVCVCVCVCVCVCVYK + Carbamidomethyl (C)
✓	1243	1104.07	2206.12	2206.07	0.05	1	4	8.3e+02	1	HGMQQGTHMETSLLHRVK + Oxidation (M)
✓	1603	655.29	1308.56	1308.65	-0.09	1	4	2.1e+02	1	LMKSAIGEGMTR + Oxidation (M)
✓	444	745.71	2234.11	2234.19	-0.08	2	4	7.1e+02	1	APIQSFIDTMNKFIPVNRK + Oxidation (M)
✓	1676	696.38	1390.75	1390.73	0.03	2	4	2.1e+02	1	FARRQLGDLCR + Carbamidomethyl (C)
✓	1764	502.49	1504.44	1504.87	-0.43	1	4	2.1e+02	1	LTGRPRPGVSRGPR
✓	203	609.98	1217.94	1217.61	0.33	0	4	5.5e+02	1	EMQLTAELQR
✓	1151	532.22	1062.42	1062.56	-0.14	1	4	2.2e+02	1	RVAAASEGFR
✓	700	873.92	872.91	873.46	-0.54	0	4	5.6e+02	1	GSVVDVNGK
✓	400	718.37	1434.73	1434.72	0.01	0	4	6.7e+02	1	RPNAYAMQCLLR
✓	1280	1123.14	3366.40	3365.83	0.57	1	4	6.9e+02	1	SSIFSVKSVGTLVHMLCAGTGLMFLGALLR + 2 Oxidation (M)
✓	2204	738.98	2213.92	2214.06	-0.14	2	4	1.8e+02	1	TMRKNTVDSDFDVGGISAGTK + Oxidation (M)
✓	1130	1056.03	3165.06	3165.45	-0.39	1	4	7.5e+02	1	GCMGLTTGMCVGPSPNLDRNLCPPGQSYK + Carbamidomethyl (C)
✓	788	917.04	2748.11	2748.27	-0.16	1	4	8.6e+02	1	TGKYSSSGIFTCVGGEYDIHEISNK + Carbamidomethyl (C)
✓	2320	834.86	2501.56	2501.47	0.08	0	4	2.1e+02	1	QPILHPSNSGSIVPIKPAPVIIPK
✓	142	575.33	1148.65	1148.60	0.04	0	4	6.3e+02	1	VHSAIAGGAPNR

✓	252	633.77	1265.52	1265.69	-0.17	2	4	9e+02	1	RHRNIVMQGR
✓	2025	960.62	1919.22	1918.74	0.47	0	4	1.9e+02	1	SADAEMESMMGTGVCSDAK
✓	1121	1050.83	3149.47	3149.50	-0.03	1	4	6.6e+02	1	VGVMCGMDQAISILGEKDHACVISFVPK + 2 Carbamidomethyl (C); 2 Oxidation (M)
✓	1410	1182.85	3545.53	3544.95	0.57	1	4	6.3e+02	1	HSRSTVLLVVGCVFISLIAFVCGVMVLPCLR + Oxidation (M)
✓	109	548.69	547.68	547.33	0.35	1	4	1.5e+02	1	AKTTK
✓	1251	555.02	1108.02	1108.56	-0.55	1	4	3.6e+02	1	DSRSPTPPR
✓	721	884.35	2650.02	2650.34	-0.32	2	4	5.4e+02	1	FQIVSLNEHFKNHRMMFLFGR
✓	2081	677.60	2029.77	2029.96	-0.18	1	4	2.2e+02	1	QQEAGEELCGPGKNCIIK + 2 Carbamidomethyl (C)
✓	591	820.77	2459.29	2459.23	0.06	2	4	6.9e+02	1	MHVCISHFPFRVTVLRCWR + Carbamidomethyl (C); Oxidation (M)
✓	386	709.89	2126.66	2126.86	-0.20	1	4	7.9e+02	1	TQCVRAQVDNCEQCNA DK
✓	537	796.50	2386.46	2386.14	0.32	1	4	6e+02	1	ATDYLETCAKADGVIETVCSK + Carbamidomethyl (C)
✓	833	933.71	2798.11	2798.28	-0.17	0	4	7.7e+02	1	ELYDLVDLDHSGGIDYNEMVNMLK + Oxidation (M)
✓	1415	1186.92	2371.82	2372.23	-0.42	2	4	6.1e+02	1	RLGSSTFRSSDLWHL PSTGR
✓	280	649.27	648.26	648.30	-0.04	0	4	6.6e+02	1	GATCAAR
✓	1262	1114.01	3339.01	3338.63	0.38	2	4	7.5e+02	1	HLQTDPERGAVLLTADRDSFLDIGDPNMSR
✓	217	617.26	616.25	616.32	-0.07	0	4	2.9e+02	1	DVDIR
✓	202	608.69	1823.06	1822.83	0.23	1	4	7e+02	1	AAEASTSSRGADDFVDPK
✓	417	729.19	2184.54	2185.09	-0.55	2	4	8.4e+02	1	AYEFTQTGVGPERVRFSNK
✓	881	477.58	953.14	953.58	-0.44	2	4	1.9e+02	1	QAPKRVGAK
✓	1552	638.72	1275.42	1275.70	-0.28	2	4	2.9e+02	1	RKDETVIMIR + Oxidation (M)
✓	1001	1001.58	3001.72	3001.38	0.35	2	4	6.1e+02	1	ETEVEEEETPKGDEEDADKPKIEEVK
✓	1173	1072.26	2142.50	2142.04	0.46	1	4	7.2e+02	1	LCPQQSATLLKCHMTEPAR + Oxidation (M)
✓	1231	1100.42	3298.24	3298.53	-0.29	2	4	6.3e+02	1	CPDHENFRQLALIAYS DYGGCQVRVMGEK
✓	1519	1247.61	1246.60	1246.64	-0.04	0	4	2.6e+02	1	MALLATDIPMR + Oxidation (M)
✓	1673	695.35	1388.68	1388.73	-0.06	0	4	2.1e+02	1	GLIEALHCLHAR + Carbamidomethyl (C)
✓	2258	775.23	2322.67	2322.15	0.52	0	4	3.3e+02	1	AILTISQDQQEITDCAFS LR
✓	519	789.40	2365.18	2365.12	0.06	2	4	6.5e+02	1	SNSARAQSNDPMATDV RNYLR
✓	1169	1071.03	3210.06	3209.60	0.46	1	4	8.7e+02	1	QLPTQRQTLMF SATQT TDVQMLGQMSLR
✓	2392	950.86	2849.57	2849.43	0.14	1	4	1.6e+02	1	AHPTGAVIACGGGIVER EANCAVLQATK + 2 Carbamidomethyl (C)
✓	291	653.86	1958.55	1958.94	-0.39	2	4	8.3e+02	1	MSIGATSQRRGEDPWPR + Oxidation (M)
✓	1880	564.85	1691.52	1691.81	-0.29	0	4	2.7e+02	1	VHGSVALDMCFIATGR + Oxidation (M)
✓	1395	1174.63	2347.24	2346.99	0.26	1	3	5.5e+02	1	GYGNMMINFSYMLSSRECR + Carbamidomethyl (C); 2 Oxidation (M)
✓	850	938.60	937.59	937.45	0.14	0	3	2.1e+02	1	NIHNGNNR
✓	926	972.36	2914.05	2914.35	-0.30	1	3	7e+02	1	ENSSNAMSGCCSVYVANIP PSVDSVKLK + Oxidation (M)

✓	1993	939.71	1877.41	1877.74	-0.33	2	3	3.7e+02	1	STRICTKCDTSCETCNG + Carbamidomethyl (C)
✓	356	693.18	692.17	692.28	-0.11	0	3	1.9e+02	1	SCSPDK + Carbamidomethyl (C)
✓	929	973.41	1944.80	1945.13	-0.33	2	3	6.8e+02	1	SIPAGRTILLKNFNVFR
✓	2114	694.56	2080.66	2080.95	-0.29	1	3	2.8e+02	1	EEKNTDSDTTKPNYPNK
✓	1893	853.35	1704.68	1704.80	-0.12	1	3	2.1e+02	1	KDNTPEIMNDANTK + Oxidation (M)
✓	732	890.13	2667.38	2667.35	0.04	1	3	8.4e+02	1	NASQILLGDASANSPIEEEEGLVRR
✓	1698	715.94	1429.87	1429.64	0.23	1	3	2.2e+02	1	TCESVVMKMSMR + Carbamidomethyl (C); Oxidation (M)
✓	255	634.40	633.39	633.33	0.06	1	3	2.6e+02	1	ELTSKG
✓	414	726.14	2175.40	2175.04	0.36	2	3	7.3e+02	1	GLAGARVSRCAAGGDIQDDTSR
✓	1260	1112.56	1111.55	1111.65	-0.09	1	3	5.7e+02	1	VRAALENLAR
✓	1981	618.13	1851.38	1850.88	0.49	0	3	3.8e+02	1	NFESEQMILNQVDLR + Oxidation (M)
✓	1594	1302.47	2602.92	2603.11	-0.19	0	3	6.9e+02	1	EEEPVTLTKPQSSNNEPQEAGGCC + Carbamidomethyl (C)
✓	166	590.99	1179.97	1179.67	0.30	1	3	7e+02	1	NVISQHNKIK
✓	957	981.82	980.82	980.54	0.28	0	3	2.2e+02	1	QILTCLYK
✓	625	840.16	2517.45	2517.28	0.17	0	3	7.5e+02	1	MQNLNHLIIFVESETSWLCLK
✓	649	846.90	2537.68	2537.29	0.38	2	3	1.1e+03	1	GIAIPTMASALDSRYISSLRDER + Oxidation (M)
✓	2321	835.43	2503.26	2503.36	-0.10	1	3	2.2e+02	1	VLQTMSTIDPLFSLEKVNEVLK
✓	283	650.70	1299.39	1299.59	-0.20	1	3	8.3e+02	1	RGPASIGSCHCR + Carbamidomethyl (C)
✓	2304	820.68	2459.02	2459.29	-0.26	2	3	1.9e+02	1	KDRVAFCAAVLGSYGAHAVQAIR + Carbamidomethyl (C)
✓	1332	1149.09	3444.24	3444.65	-0.41	1	3	9.3e+02	1	ELITCWSFSVRPFQWCFSEPGRTNTAGIR + Carbamidomethyl (C)
✓	1624	1332.64	3994.89	3994.93	-0.05	2	3	5.3e+02	1	KYTSINDFFKDLQLIHDNSSLYNGPTHMLTHMAK + Oxidation (M)
✓	1439	601.36	1200.71	1200.57	0.15	1	3	2.4e+02	1	FTAFSDEEKK
✓	1888	568.48	1702.40	1702.94	-0.54	1	3	4e+02	1	EHGEAIIYLVRYLK
✓	1670	1385.60	2769.19	2769.48	-0.29	2	3	5.3e+02	1	QRQQYSRPIIRAHLFSSIGDIER
✓	312	666.24	1330.47	1330.76	-0.29	1	3	7.5e+02	1	LVKDIFVAAAER
✓	1292	1128.71	1127.70	1127.67	0.03	2	3	7.3e+02	1	ALRAIWSRR
✓	932	974.84	1947.66	1947.12	0.54	2	3	7.1e+02	1	GRPLPPLPGTAAVFKRDR
✓	1486	1228.47	2454.92	2455.43	-0.51	2	3	7.1e+02	1	NAKTGVPQHLIRSATAILPLVEK
✓	910	966.95	965.94	965.53	0.41	0	3	4e+02	1	VFAFQAGVK
✓	412	725.20	2172.57	2173.02	-0.45	1	3	7.8e+02	1	RVCRPPTAETPGGGSGSSSEK + Carbamidomethyl (C)
✓	1570	645.77	1289.53	1289.74	-0.21	2	3	2.6e+02	1	LKMAAAKATEIK + Oxidation (M)
✓	1448	1206.47	2410.94	2411.11	-0.18	1	3	6.7e+02	1	AMAYYCAAADVHTVWAVGNDRK
✓	2092	683.39	2047.16	2046.96	0.20	1	3	2.2e+02	1	GHEICSSSLVTSAAEEAKSR + Carbamidomethyl (C)
✓	119	557.18	556.17	556.30	-0.12	0	3	79	1	GGPQAK

✓	385	709.60	2125.79	2126.05	-0.26	2	3	8.5e+02	1	ANEEQVRQEAQREAAQAK
✓	1487	1228.47	3682.39	3682.76	-0.36	1	3	7.1e+02	1	WHHVMVEVPGGEGTGMVHEGKPPQPWTYKAVGR
✓	2157	714.74	2141.20	2141.09	0.11	0	3	2.3e+02	1	FQLVIAVNENMCLEVIYK + Oxidation (M)
✓	1571	1290.65	2579.28	2579.24	0.04	1	3	5.9e+02	1	ALMMRPSRPLLSGDMHSSDRFK + 3 Oxidation (M)
✓	397	715.65	2143.94	2144.11	-0.17	2	3	9e+02	1	IQEEAINELKRCEEVITK
✓	1034	1015.15	2028.28	2028.16	0.12	2	3	8.2e+02	1	AVIDTLAAAVRRGFSVQVR
✓	1133	528.78	1055.55	1055.67	-0.12	0	3	2.4e+02	1	VLGSVISLLR
✓	197	606.04	1210.06	1209.59	0.48	0	3	7.8e+02	1	TTASTQTHHAR
✓	1761	749.90	1497.80	1497.63	0.17	0	3	2.3e+02	1	QSCMMQDLENVK + Carbamidomethyl (C); Oxidation (M)
✓	524	792.83	791.82	792.42	-0.59	1	3	4.3e+02	1	KITEMR + Oxidation (M)
✓	2470	1116.38	3346.12	3346.65	-0.54	2	3	2.7e+02	1	HRQGNEMSPTANGLVSMPPIFVRAPEEPAK + Oxidation (M)
✓	1458	1212.79	1211.78	1211.64	0.14	2	3	7.9e+02	1	INLKDCGKHK + Carbamidomethyl (C)
✓	758	903.76	902.76	902.48	0.28	0	3	8.5e+02	1	TSALIGADR
✓	807	463.76	925.50	925.56	-0.06	0	3	2e+02	1	VLTDLIPR
✓	892	480.14	958.28	958.54	-0.27	0	3	2.7e+02	1	TILASDALR
✓	750	901.33	900.32	900.50	-0.18	1	3	7.9e+02	1	INNKEVGK
✓	2178	1086.89	2171.77	2172.12	-0.35	1	3	2.6e+02	1	QEEFHDKTIIFIIGPGSGK
✓	1787	514.00	1538.97	1538.91	0.06	2	3	2.3e+02	1	LASVMVPLRRLER
✓	1371	582.24	1162.46	1162.55	-0.09	0	3	2.4e+02	1	ANIYGFHDAR
✓	503	777.29	2328.84	2329.29	-0.45	2	3	7.7e+02	1	LFWDVVESLTRAQQRQLLK
✓	783	913.15	2736.44	2737.00	-0.56	1	3	7.8e+02	1	NNTGLCMGCDPNCEESCKSPSMCNK + Carbamidomethyl (C); Oxidation (M)
✓	2174	723.73	2168.16	2168.06	0.10	1	3	2.3e+02	1	LATAPGCVLGHLSDAGCARSR + 2 Carbamidomethyl (C)
✓	2375	914.24	2739.68	2739.34	0.35	2	3	2.4e+02	1	MHPGGYYFNPLKFGKDEADLAELK
✓	2110	691.99	2072.94	2073.04	-0.10	1	3	2.2e+02	1	KPGMTRDDLFTNASIVR + Oxidation (M)
✓	2339	858.51	2572.51	2573.03	-0.52	0	3	2e+02	1	DDTTTTETTGETETGYSESLGDTY
✓	418	729.41	2185.21	2185.03	0.18	0	3	7.3e+02	1	TMAEQYGVPIVILHTDHCAK + Carbamidomethyl (C); Oxidation (M)
✓	805	925.93	2774.77	2775.27	-0.50	2	3	8.7e+02	1	AFCPNTDDELEALLSYQRCFRER
✓	206	612.71	1223.40	1223.60	-0.20	1	3	6.3e+02	1	TCPADLYKTR + Carbamidomethyl (C)
✓	2050	991.82	1981.63	1982.11	-0.48	2	3	3.2e+02	1	KPPRTEMIASVRAELLR + Oxidation (M)
✓	2232	761.50	2281.47	2281.11	0.36	2	3	3.2e+02	1	YQLMRAVGSNEMATPWQRK + Oxidation (M)
✓	944	978.27	977.27	977.52	-0.25	0	3	2.7e+02	1	FVQEAVGTK
✓	466	761.90	760.90	760.38	0.51	1	3	6.5e+02	1	KAGGSADR
✓	1434	1197.52	3589.54	3589.65	-0.10	1	3	6.2e+02	1	TMRGGAGHTLTFPIFSTLYGASCGEEQGPLSQSSS + Oxidation (M)
✓	196	604.73	1811.16	1810.97	0.20	1	3	9.9e+02	1	LSFACSALLPSVSFNKK

✓	792	919.41	918.40	918.52	-0.12	1	3	2.9e+02	1	VPGKLYDK
✓	681	861.52	2581.53	2581.07	0.46	2	3	8.1e+02	1	DKYFFMFGNCYCPECLKCTR + 2 Carbamidomethyl (C)
✓	1059	1026.19	2050.36	2049.99	0.36	0	3	7.2e+02	1	QTLWPAHCVDTPGADLAK
✓	1291	1127.66	1126.65	1126.60	0.05	0	3	6.7e+02	1	SGSVTPHTLK
✓	2483	1159.40	3475.18	3474.63	0.54	1	3	2.9e+02	1	RSGQYLDLVDATAASCLSYLENLHDMTR
✓	1662	692.20	1382.38	1381.78	0.60	0	3	2.8e+02	1	LSTTPTPQLPSLK
✓	1096	1039.90	1038.90	1038.57	0.33	1	3	7e+02	1	NKTVTVYSK
✓	1657	689.62	1377.23	1377.80	-0.56	0	3	4.9e+02	1	AESVLELIVLHR
✓	963	983.52	2947.55	2947.37	0.18	1	3	7e+02	1	HAMWLGFASGGCEQLPADGGRLVACMR + Oxidation (M)
✓	2455	1082.67	3245.00	3245.53	-0.53	0	3	2.6e+02	1	DEEMSETIFDIVSFYLVATLDIEFFEK + Oxidation (M)
✓	1425	1190.29	1189.28	1189.61	-0.33	2	3	8e+02	1	MQEKELKER
✓	180	599.32	1794.94	1794.94	-0.00	2	3	6.2e+02	1	IRLHRNLEGPFCR + Carbamidomethyl (C)
✓	806	926.46	1850.91	1850.92	-0.01	1	3	7.1e+02	1	LCVADRQATGSLVTYP + Carbamidomethyl (C)
✓	1217	1094.30	3279.87	3279.70	0.17	1	3	8.6e+02	1	GCLSLSHFINHLTQQGIDGRALTGTVCILR + Carbamidomethyl (C)
✓	2274	788.76	2363.27	2363.06	0.20	1	3	2.2e+02	1	ALQHDSMHVSYSACNRNAR + Carbamidomethyl (C)
✓	705	876.89	875.88	875.40	0.48	0	3	1e+03	1	LGEGESER
✓	2486	1164.23	3489.66	3489.57	0.09	2	3	1.7e+02	1	GILGMHSDGEDEDDHGRRPPASGPSKGMANR + Oxidation (M)
✓	880	954.02	2859.04	2859.37	-0.34	1	3	9.2e+02	1	VYGAARYEWGWCIRPHNVWFGHR
✓	2120	697.42	2089.23	2089.11	0.12	2	3	2.3e+02	1	EAETEKETLMLQLTGLRK
✓	2167	722.05	2163.12	2163.10	0.02	0	3	2.5e+02	1	SQPAQQMPHVPQPQLPQPR
✓	1307	1135.90	3404.67	3404.75	-0.08	0	3	7.7e+02	1	NYCLVLMNNFHYAAALLPDIIESVVIADK + Carbamidomethyl (C)
✓	2033	645.03	1932.06	1931.94	0.12	1	3	2.3e+02	1	VDKGIEIVDDEESLPQF
✓	232	623.34	1244.67	1244.64	0.04	1	3	7.9e+02	1	NNWSRGGLVSR
✓	256	634.96	1267.91	1267.62	0.30	0	3	8.3e+02	1	LDAIDAHSAR
✓	1182	1076.24	3225.69	3225.55	0.15	1	3	8e+02	1	SVLHSTRTTDSVCVTTSETLVEDLDAFR + Carbamidomethyl (C)
✓	627	840.38	839.37	839.45	-0.08	0	3	6.7e+02	1	AGIHIDSK
✓	2170	722.49	2164.46	2164.03	0.43	2	3	3.3e+02	1	FGTYWAQRCPTFRMVTK + Carbamidomethyl (C); Oxidation (M)
✓	2058	667.71	2000.11	2000.00	0.11	2	3	2.9e+02	1	TQNPQSKTLFKSLCDK
✓	2144	1058.56	2115.10	2115.01	0.09	1	3	2.3e+02	1	GVKNVVGAAADTAAGDAQACR + Carbamidomethyl (C)
✓	36	486.18	1455.52	1455.81	-0.29	1	3	5.1e+02	1	YYALNTFPKVLK
✓	45	495.34	1483.00	1482.62	0.38	1	3	5.9e+02	1	ERCATVGDDGTMR + Carbamidomethyl (C); Oxidation (M)
✓	720	884.33	883.32	883.51	-0.19	1	3	7.1e+02	1	ARTRPQR
✓	1560	643.18	1284.34	1284.58	-0.24	1	3	3.1e+02	1	EMDQNMKFVK + Oxidation (M)
✓	28	474.52	947.03	947.42	-0.39	0	3	8.8e+02	1	SNWPADMK

✓	2134	702.53	2104.57	2105.06	-0.49	2	3	4e+02	1	KQMQLNQNLQEMSKIK + Oxidation (M)
✓	548	800.25	2397.74	2398.33	-0.59	1	3	9.1e+02	1	ETGALKVIVISTGSELNVAVEAAK
✓	557	804.84	2411.49	2411.22	0.27	2	3	1e+03	1	TKVQTNRSEYGNLSITQGLMR + Oxidation (M)
✓	1053	1024.06	1023.05	1023.51	-0.46	2	3	9.4e+02	1	GSSSRGKMAK + Oxidation (M)
✓	1222	1096.55	3286.62	3286.71	-0.09	2	3	6.2e+02	1	RIISVGCLLDQGCSVTGMTATEIVILSHDK + Carbamidomethyl (C)
✓	1831	807.43	1612.85	1612.71	0.14	2	3	3e+02	1	QASEMEEKMKNK + 2 Oxidation (M)
✓	989	331.93	992.77	992.43	0.34	1	3	2.4e+02	1	ADQARSVGSC
✓	1615	1325.06	2648.10	2648.34	-0.24	1	3	7.3e+02	1	VAAAVAAGFMVIACIGETLQERESGR
✓	429	735.30	2202.87	2203.02	-0.15	1	3	8.2e+02	1	VTKVEVESVSSDEDFDFGSK
✓	1447	1204.90	3611.69	3611.82	-0.13	2	3	8.7e+02	1	QEPIPTSESELMVFEALQVEFLTRYEATRK
✓	1504	1237.65	3709.93	3709.87	0.06	2	3	6.5e+02	1	QIKEANASYVEKPRNEWIYQYPCQAVIVASR + Carbamidomethyl (C)
✓	1760	748.76	1495.50	1495.75	-0.26	0	3	3e+02	1	ASHVQWSATVPSAR
✓	727	886.32	2655.94	2656.19	-0.24	2	3	8.2e+02	1	QMHESDTCATHGDSGVKLPEKK + Oxidation (M)
✓	1248	1106.47	1105.46	1105.51	-0.05	0	3	8.4e+02	1	CVYISSSYK + Carbamidomethyl (C)
✓	1238	551.70	1101.39	1101.55	-0.16	0	3	2.9e+02	1	TADHMTLAK + Oxidation (M)
✓	756	903.17	2706.49	2706.21	0.28	0	3	1e+03	1	ETLAAVNECNVIWMDGVMFMHHK + 2 Oxidation (M)
✓	1470	1218.27	2434.52	2434.30	0.22	2	3	8.2e+02	1	ILDNRKLCDDVPSQPVIISPR + Carbamidomethyl (C)
✓	931	973.58	2917.72	2917.56	0.16	0	3	8.5e+02	1	ADVLVSSLLLVEFGTEHMLDTLVQR
✓	939	977.37	976.36	976.51	-0.15	1	3	8.2e+02	1	GCGGVRLTSK
✓	227	621.64	1861.89	1861.89	0.00	1	3	8.4e+02	1	QDVLVNGVMDELKDK + Carbamidomethyl (C)
✓	1100	1043.35	2084.68	2085.05	-0.37	1	3	9.9e+02	1	AVSPDFLQSSPQIKGPGDSR
✓	1349	1153.89	2305.77	2305.93	-0.16	1	3	7.6e+02	1	ACYHCGQPGHFSRECPNMR + 2 Carbamidomethyl (C)
✓	2445	1062.61	3184.82	3184.43	0.39	1	3	2.1e+02	1	LAWWESFCLGKVYSMAECNGILSAMR + Carbamidomethyl (C); 2 Oxidation (M)
✓	981	495.66	989.30	989.54	-0.24	2	2	3.4e+02	1	KRAAEMLR + Oxidation (M)
✓	2497	1256.61	3766.81	3766.66	0.15	2	2	1.6e+02	1	DNRSWEAIYQESADHATTSFLNDPKEAEEEEER
✓	1194	1083.08	3246.23	3246.51	-0.28	0	2	9.5e+02	1	YIADANMVFITAGMGGGTGTGAAPVVAEVCMEK + Oxidation (M)
✓	1479	1223.36	3667.05	3666.73	0.33	1	2	8.4e+02	1	FKMAILTMVSYDVAFTDAEFLCDLLNQCR
✓	1372	582.35	1162.69	1162.60	0.10	1	2	2.7e+02	1	CNACLSLVRK + Carbamidomethyl (C)
✓	1469	1217.66	3649.97	3649.71	0.26	1	2	7e+02	1	AKEAPASASMHTTVISSPNTTSHPGAPSSSLPCSER + Carbamidomethyl (C)
✓	1033	1014.83	3041.48	3041.58	-0.11	1	2	8.8e+02	1	QIYIKLQQAMEALAIHKPDNPGFLK + Carbamidomethyl (C); Oxidation (M)
✓	1103	1045.10	3132.27	3132.48	-0.20	0	2	1e+03	1	VSFGAGGICWPQLGGVSGMLHCTGVVMAPR + 2 Carbamidomethyl (C); 2 Oxidation (M)
✓	1250	1108.99	3323.95	3323.39	0.56	1	2	9.1e+02	1	CVCVCVCVCVCVCVCVCVCVLDEQRR + 5 Carbamidomethyl (C)
✓	1429	398.81	1193.41	1193.70	-0.30	1	2	2.8e+02	1	KVFVVHGGVPR
✓	1214	1092.43	3274.27	3274.58	-0.31	2	2	8.1e+02	1	VYVFLQNCIHPKFNLSGKQEDFDMATK + Oxidation (M)

✓	1286	1126.04	3375.10	3375.29	-0.19	0	2	1e+03	1	SASLDNGPDSLSSDSCCTTSTSDFNNGSCR + 3 Carbamidomethyl (C)
✓	1542	1267.38	3799.10	3799.63	-0.53	0	2	8.3e+02	1	MAGLPVSVVPCDGC AAALACFDALTASFFECACSCR + 2 Carbamidomethyl (C)
✓	1857	827.79	1653.57	1653.85	-0.29	1	2	2.9e+02	1	ECFIANGKLG YIAAK + Carbamidomethyl (C)
✓	675	860.08	1718.15	1717.73	0.42	0	2	1e+03	1	MSSQSPEGMESTFLR + 2 Oxidation (M)
✓	717	881.02	2640.05	2640.14	-0.10	0	2	9.8e+02	1	CMALVAEMCVDDTDTVPVENK + 2 Carbamidomethyl (C); Oxidation (M)
✓	1462	1215.20	3642.58	3642.65	-0.07	0	2	9.3e+02	1	LTMCEHQVAFCAEALGSDLKPVMLDWAMCR + Carbamidomethyl (C); 2 Oxidation (M)
✓	481	767.08	1532.14	1531.82	0.31	1	2	8.6e+02	1	NNNISSKSLSDILK
✓	2189	728.52	2182.54	2182.12	0.41	0	2	4.4e+02	1	LNVSFVVTGASWKPLYDMR
✓	554	803.45	802.44	802.39	0.06	1	2	1e+03	1	RTSHMR + Oxidation (M)
✓	839	935.40	934.39	934.51	-0.11	1	2	3.9e+02	1	LRSFMPGK
✓	1126	1055.18	1054.17	1054.51	-0.34	0	2	7.8e+02	1	MPPPPASGSAK + Oxidation (M)
✓	1575	646.58	1291.15	1290.63	0.51	1	2	6e+02	1	DGVTALMRAADR + Oxidation (M)
✓	27	471.24	1410.69	1410.62	0.06	2	2	5.1e+02	1	MCGKDSGVEERK + Carbamidomethyl (C); Oxidation (M)
✓	1063	1028.75	3083.22	3083.51	-0.30	2	2	9.6e+02	1	KARPSRPASDATMTMGDLIHYNPRNPR + 2 Oxidation (M)
✓	841	935.49	934.48	934.51	-0.02	0	2	8.8e+02	1	QLAFMLGR
✓	1337	1150.20	1149.19	1149.61	-0.42	1	2	4e+02	1	TDVAVKAQYR
✓	1413	1184.92	2367.83	2368.04	-0.22	1	2	8.4e+02	1	CFHGAVMIDDDRMIVGGNAGK + 2 Oxidation (M)
✓	1848	821.28	1640.55	1639.97	0.58	1	2	3.2e+02	1	SMLIQREILALIPK + Oxidation (M)
✓	258	637.92	636.92	636.32	0.59	0	2	3e+02	1	FTDVR
✓	918	970.62	2908.82	2908.43	0.39	2	2	8.3e+02	1	NAMIAAAGGDSGAQNNYGVMLLNGKGVK + 2 Oxidation (M)
✓	988	993.50	992.49	992.60	-0.11	2	2	2.6e+02	1	AYAALKKTK
✓	1160	533.76	1065.50	1065.63	-0.13	2	2	2.6e+02	1	HDKQVAIKK
✓	1374	1164.76	2327.51	2327.07	0.44	1	2	1e+03	1	ESSDSSDEFRLSPCLTSKR
✓	1381	1166.46	2330.90	2331.17	-0.27	2	2	7.5e+02	1	GVDFKECSSLFAPIMLTMSKK
✓	140	572.11	1713.31	1712.87	0.43	2	2	1e+03	1	TIGKYGAKIDYEEAR
✓	354	691.82	690.81	690.39	0.42	1	2	6.6e+02	1	DITSKK
✓	1988	622.64	1864.91	1864.96	-0.05	0	2	2.6e+02	1	FAMLVNEVENVTATALK + Oxidation (M)
✓	2182	725.91	2174.72	2175.06	-0.34	1	2	3.2e+02	1	MREIICLQIGQCGNQVGEK + Carbamidomethyl (C)
✓	541	797.08	2388.22	2388.24	-0.03	1	2	8.4e+02	1	GWTAMMYAAQNGHLSVVKLLAK
✓	942	977.83	2930.46	2930.45	0.00	1	2	8.7e+02	1	YFIENG VHNLTISMNIPKEIEYYK + Oxidation (M)
✓	1137	1058.20	3171.59	3171.32	0.27	1	2	9.2e+02	1	ARAGVTCHACAEGYLSGGSCSPCTAAGCAR + 5 Carbamidomethyl (C)
✓	2261	1168.37	2334.73	2335.05	-0.32	2	2	3.9e+02	1	SSGARAVGSGPVCGAGARDGHSEHG + Carbamidomethyl (C)
✓	162	589.85	588.84	588.31	0.53	0	2	6.8e+02	1	DVIDK
✓	2090	683.30	2046.87	2047.12	-0.25	0	2	2.7e+02	1	LTYLLCFPLDGGPSLVALR

✓	2192	1095.85	2189.68	2189.12	0.56	1	2	4.1e+02	1	KLAHDPLPLWCLWQDAQR
✓	307	662.40	1984.17	1984.03	0.14	0	2	9.5e+02	1	QQTDIHQTLVDLDFAK
✓	1320	1142.23	2282.45	2281.94	0.51	1	2	8.4e+02	1	FGEEYEREGGAMGSMGLMGR + 2 Oxidation (M)
✓	2370	906.29	2715.84	2716.31	-0.47	0	2	3.9e+02	1	LLCDQLHAYGYVALPYYTDLEEK
✓	1176	1073.88	2145.74	2146.13	-0.39	2	2	8.5e+02	1	SRNLIKMTDEINTILEEK
✓	2342	863.51	2587.51	2587.26	0.25	2	2	2.4e+02	1	WCVTTRQRGSAPSGAPSTDGEAVVR
✓	2452	1077.05	3228.13	3227.57	0.56	2	2	3.3e+02	1	ASAPSAPLTPIPSLRCSRSCCSMPAPSSSLAR + 2 Carbamidomethyl (C)
✓	370	701.32	1400.62	1400.71	-0.09	1	2	9.5e+02	1	LGFMCRVFISR + Carbamidomethyl (C); Oxidation (M)
✓	800	923.64	2767.90	2768.31	-0.42	0	2	1e+03	1	SSRPGSSSLAAHSEPDLSANASPLMGR
✓	1442	1202.66	3604.96	3604.44	0.51	0	2	8.4e+02	1	GGTSPDTSYSYDMTVGENGPGEWGDSEEFSTCK + Oxidation (M)
✓	2301	810.75	2429.22	2429.19	0.03	0	2	2.6e+02	1	LGHVADTTNGGSSISGIPHEEPVR
✓	1142	530.29	1058.57	1058.51	0.06	0	2	3.6e+02	1	GCHVGNFLR + Carbamidomethyl (C)
✓	1168	1070.23	3207.68	3207.55	0.13	0	2	9.4e+02	1	DVSNYINIGVDEVPGNITYYANQLASHINK
✓	1485	1228.43	3682.26	3681.72	0.54	2	2	9.9e+02	1	VQDAEDNDMVSGFSGMMSINNPEARSNLLGRVK
✓	66	517.22	516.21	516.27	-0.05	0	2	1.5e+02	1	DVGAR
✓	2366	903.36	2707.06	2707.30	-0.23	1	2	2.5e+02	1	GTLLSLYVCRQNGCIDHVQDFR + 2 Carbamidomethyl (C)
✓	593	821.83	2462.46	2462.05	0.41	2	2	1.1e+03	1	VAHRFYRQHCTACGDGMYMK + Carbamidomethyl (C); 2 Oxidation (M)
✓	876	952.59	2854.74	2854.51	0.23	2	2	8.7e+02	1	HSIYAARGTVDLVLVPEGRISMESR
✓	1513	1242.75	3725.22	3725.73	-0.52	2	2	8.1e+02	1	DRRIESDLYPVTLLGGYSLLFCCYHGAVDCK + Carbamidomethyl (C)
✓	1144	1059.84	2117.66	2117.07	0.59	1	2	9.8e+02	1	TWPLELIDFPVNNMTRR + Oxidation (M)
✓	1532	1259.23	3774.67	3774.81	-0.14	0	2	9.8e+02	1	NVFSGCTSLTYVNIPSTVLSLPDLHFENCCFLK + 2 Carbamidomethyl (C)
✓	1619	1329.48	3985.42	3984.96	0.46	2	2	8.7e+02	1	DVWIDLNLKDHAREHPLENAICELVANALDASEK + Carbamidomethyl (C)
✓	2208	742.53	2224.57	2224.30	0.27	1	2	5.1e+02	1	LVVSKHPLNLFIIINVYK
✓	585	817.27	816.26	816.42	-0.16	0	2	3.9e+02	1	VDDIDIK
✓	1295	1131.73	1130.72	1130.54	0.19	0	2	9.7e+02	1	EDEFVLHSR
✓	2242	766.40	2296.17	2296.16	0.01	0	2	2.8e+02	1	EVLFEMNHVLEDMAIHLK + Oxidation (M)
✓	381	707.74	2120.20	2120.20	-0.00	2	2	9.4e+02	1	EAYRVLKVGGLNVLEFSK
✓	2020	638.59	1912.75	1912.98	-0.24	1	2	2.7e+02	1	AAGDQCTPLRVALDLWK + Carbamidomethyl (C)
✓	1031	507.21	1012.41	1012.48	-0.07	1	2	2.6e+02	1	GSSHKNNNR
✓	571	810.86	2429.55	2429.22	0.33	1	2	1.1e+03	1	LSSENDEIQNIKIMGLDPMEK
✓	1303	1133.99	3398.95	3399.49	-0.55	2	2	1e+03	1	GAAALQSQMFRCTHSVQSRAMGCQMTMHAR + Carbamidomethyl (C); 3 Oxidation (M)
✓	2475	1129.37	3385.09	3385.61	-0.51	1	2	3.2e+02	1	CIGGGILACGTTHTAVCPDVDKCNMQVSPER + 2 Carbamidomethyl (C)
✓	1024	1010.68	3029.02	3029.37	-0.35	1	2	9.9e+02	1	GRGSFVSGYDDAPYFEPMNISPPFFSR
✓	2472	1124.53	3370.57	3370.53	0.04	2	2	2.2e+02	1	ALYMEYSRSNGAFVGRVTNGGEHMLCFSSR + 2 Oxidation (M)

✓	576	812.94	811.94	812.40	-0.46	1	2	1.1e+03	1	HSSGNRR
✓	1899	856.92	1711.82	1711.94	-0.12	1	2	2.9e+02	1	EIEENLKIQIENIK
✓	1228	1099.90	3296.68	3296.65	0.03	2	2	8.6e+02	1	HIAVDMNAPFAVHAGSCVWRLSSSVAMRR + Oxidation (M)
✓	728	886.85	2657.51	2657.46	0.05	2	2	9.2e+02	1	GTLEFALTALLDRWLELAKLCK + Carbamidomethyl (C)
✓	1335	1150.15	3447.43	3447.71	-0.28	2	2	1e+03	1	AEDKGDHYVLNGNKFWITNGPDADVLVYAK
✓	2285	1191.64	2381.26	2381.21	0.05	2	2	2.6e+02	1	TCRSLIFKRPNVCVVCVWR
✓	864	946.25	1890.49	1891.09	-0.60	2	2	1.2e+03	1	KSNQPAKALDVAIPAQLK
✓	958	982.51	2944.52	2944.53	-0.01	1	2	8.4e+02	1	DLLHVGMSLEIQELIDLYKMNVIDK + Oxidation (M)
✓	464	760.61	2278.82	2278.90	-0.08	1	2	1.3e+03	1	FMCFCANHTMTSYFKEK + Carbamidomethyl (C); 2 Oxidation (M)
✓	1153	1064.87	3191.60	3191.52	0.08	0	2	1.1e+03	1	STVCVHSFLLTLAAGESFLLPYCCGSR + 3 Carbamidomethyl (C)
✓	1118	1050.07	3147.18	3147.74	-0.56	2	2	1.2e+03	1	RMRDEIPLSVPMALLIPLAQSVAEELK + Oxidation (M)
✓	923	972.08	2913.22	2913.52	-0.30	2	2	1e+03	1	TIYCIIGDPCKNLAARYQISFIK + 2 Carbamidomethyl (C)
✓	1230	550.61	1099.20	1099.49	-0.29	0	2	4.6e+02	1	DPTTNFYSR
✓	492	772.18	2313.52	2314.12	-0.59	0	2	1.3e+03	1	CLDFTQELGSIVSFDLVSER + Carbamidomethyl (C)
✓	1288	1126.83	2251.65	2251.11	0.53	2	2	1e+03	1	HRMPFPLAAFSTTPTCFRR + Oxidation (M)
✓	1361	1158.89	3473.65	3473.56	0.09	1	2	9.4e+02	1	AWDSSMNLMPAFPTWNVMGMMNNPWYRVK
✓	2243	766.43	2296.27	2296.21	0.06	2	2	2.9e+02	1	GHLEIVKNLISLGADKEAMDK + Oxidation (M)
✓	2489	1183.67	3547.99	3547.73	0.27	1	2	2.2e+02	1	SLFESCLLLPEAQGMQHLLCASQRTSVSWEK + Carbamidomethyl (C)
✓	1026	1011.17	3030.49	3030.29	0.20	1	2	8.7e+02	1	VADEEIDSVEDGITTEGSMGMNGRMR + Oxidation (M)
✓	350	688.74	2063.19	2063.08	0.11	2	2	1.1e+03	1	CIKLLIRTQEGAQDAYGK + Carbamidomethyl (C)
✓	1416	1187.42	1186.41	1186.60	-0.19	1	2	1.1e+03	1	GFMDHVRGLR
✓	547	400.63	799.24	799.45	-0.21	1	2	2.9e+02	1	ARGPLMR
✓	1088	1037.83	2073.64	2073.95	-0.30	0	2	9.3e+02	1	STGSNNGANNSTPAGAPSPFAR
✓	105	546.39	545.39	545.30	0.09	1	2	2e+02	1	KCPAK
✓	1235	1101.77	2201.53	2202.10	-0.58	2	2	1.1e+03	1	SALKGKHQPAVGSCDSVCFLR
✓	1352	1154.42	1153.41	1153.43	-0.02	0	2	9.4e+02	1	GSCSPCIDNCR
✓	2279	792.62	2374.85	2375.21	-0.35	0	2	3.4e+02	1	IEAKPQSYIPSQTQSQQVSTR
✓	635	842.48	2524.43	2524.11	0.32	1	2	8e+02	1	YIGPGGVCHFCAKGHTAEAEFK + 2 Carbamidomethyl (C)
✓	915	969.72	2906.15	2905.56	0.59	2	2	1.1e+03	1	IPIRPRDITNGAIVAACNTVNGEERVK
✓	943	977.89	2930.65	2930.51	0.14	2	2	1e+03	1	LASQEALQEKAAMRQALEVTTTQLER + Oxidation (M)
✓	2385	938.09	2811.24	2811.24	-0.01	1	2	2.5e+02	1	GRVIEENMMLPVWTDGCSIESCNGR + Oxidation (M)
✓	912	485.02	968.02	967.53	0.49	0	2	4.9e+02	1	VVKPSVPQD
✓	2251	1157.22	2312.43	2312.17	0.26	2	2	3.5e+02	1	CAFQRTAPALYDEAMKGSLLK
✓	1038	1016.87	3047.59	3047.43	0.17	1	2	1e+03	1	YSKECQLDEWMLRPNSFALNPYTSR

✓	861	944.24	1886.47	1886.02	0.45	1	2	1.3e+03	1	EYVSKLIQFENYIIK
✓	1092	1039.33	3114.97	3114.54	0.42	2	2	1.1e+03	1	MKGSASKGNTIAFGDYALQATEPVWLTSR + Oxidation (M)
✓	589	818.82	2453.43	2453.18	0.25	1	2	1.1e+03	1	MQWIKSVYNDIVSTELDDGPK + Oxidation (M)
✓	2269	784.29	2349.86	2349.27	0.59	1	2	3.1e+02	1	GRSQVIVMAATNRPNADPALR
✓	364	700.14	2097.39	2097.06	0.33	1	2	1.2e+03	1	NYGLAHGIGRSGDILSDQPK
✓	799	923.06	2766.16	2766.23	-0.07	1	2	1.1e+03	1	HVSWLKENNACTFGELGCQCATGK + 3 Carbamidomethyl (C)
✓	1304	1134.21	3399.60	3399.84	-0.23	2	2	1e+03	1	AVSMVVPDYSLIAEILFSEGFTTAKVLSRK + Oxidation (M)
✓	920	971.90	2912.67	2912.58	0.08	1	2	9.3e+02	1	YGFAGVVLRGIDYPYFLSQPLLPSIK
✓	1330	1147.93	3440.77	3440.68	0.08	2	2	9.3e+02	1	DNVSVTIVQAIEVFSNSRRMICTPTVDSMR + Carbamidomethyl (C); Oxidation (M)
✓	240	626.04	1875.11	1874.89	0.21	0	2	9.1e+02	1	EGSEGSVVEVSVQLISCGP
✓	445	745.78	2234.32	2234.15	0.17	0	2	1.2e+03	1	ETTMISLQVTATQIEEVVSR
✓	1595	1302.66	2603.30	2603.24	0.06	2	2	8.1e+02	1	LHAADLQLMQRRMGDNTDTVMR + 2 Oxidation (M)
✓	2012	636.27	1905.78	1905.75	0.03	1	2	3.2e+02	1	CSPCKIDSCFECTSNR + 2 Carbamidomethyl (C)
✓	501	776.25	2325.73	2325.19	0.53	2	2	1.2e+03	1	MSISLFIGRAASSTPIGASCKR + Carbamidomethyl (C); Oxidation (M)
✓	687	868.77	1735.52	1735.89	-0.37	2	2	9.3e+02	1	SAKTATPLSERSFADR
✓	1490	1229.84	2457.67	2458.09	-0.42	0	2	1e+03	1	LFDLNDDVMDISASMGAMPTGK
✓	2216	1123.84	2245.67	2245.16	0.51	1	2	5.1e+02	1	GSPGVSALDPSDVRAAVAQGHVR
✓	556	804.63	2410.87	2411.32	-0.45	2	2	1.3e+03	1	LGIPMPKGVLLYGAPGCGKSAVAR + Carbamidomethyl (C)
✓	443	745.26	2232.76	2233.02	-0.26	0	2	1.1e+03	1	FSQGLQAPPESLIMQATADD
✓	2458	1091.31	3270.89	3270.44	0.46	1	2	2.6e+02	1	ARGYDMYGGQSHLCSTTLCGHGSGNSAGVGVR + Carbamidomethyl (C); Oxidation (M)
✓	645	423.58	845.15	845.39	-0.24	0	2	4.5e+02	1	EGGAVEER
✓	144	576.71	575.70	575.27	0.43	0	2	4.2e+02	1	ATNDR
✓	846	936.71	935.71	935.41	0.30	1	2	3.2e+02	1	DRCAQMGR
✓	57	511.20	510.20	510.17	0.02	0	2	11	1	CSSNT
✓	82	533.02	532.01	532.25	-0.23	0	2	1.2e+03	1	AQLSD
✓	623	838.65	837.64	837.37	0.28	0	2	3.7e+02	1	GGVTSMR + Oxidation (M)
✓	669	854.58	2560.71	2560.38	0.33	2	2	1.1e+03	1	NIAVQLFKFLEHYRPETKAEK
✓	1023	505.70	1009.40	1009.59	-0.20	1	2	2.9e+02	1	HVEKILGSK
✓	904	482.21	962.42	962.43	-0.02	0	2	3.4e+02	1	DPQMVMR
✓	2095	1026.90	2051.79	2051.98	-0.19	1	2	3.1e+02	1	VQTFQDGVSRSLDENTK
✓	2397	968.21	2901.60	2901.49	0.11	1	2	2.7e+02	1	RLGGNGTDVIPLMVVPLMLDLMDFR + Oxidation (M)
✓	891	958.55	2872.62	2872.22	0.39	1	2	9.6e+02	1	GPVCLSVCPGNDEKYLVSOGSDGSCR + 3 Carbamidomethyl (C)
✓	1212	1091.66	1090.65	1090.55	0.10	0	2	9.9e+02	1	DDILEYPVK
✓	190	602.51	1203.00	1202.53	0.47	0	2	1.5e+03	1	HQTLHSCCFK

✓	239	625.86	1874.56	1873.97	0.60	2	2	9.9e+02	1	QQRMLQDDILEVKSR + Oxidation (M)
✓	1016	1008.91	3023.70	3023.38	0.32	2	2	1.2e+03	1	KVMSAPSKDDTPMFVMGVNHEEYHK + 3 Oxidation (M)
✓	183	600.58	1798.72	1798.98	-0.26	2	2	1.2e+03	1	RWQDLSNNVAILSKR
✓	1065	1029.12	2056.22	2055.99	0.23	1	2	1.1e+03	1	QESDIFFCIAGKQGEGVTK
✓	1009	503.84	1005.67	1005.54	0.13	0	2	3.5e+02	1	ASAHIHGSVK
✓	1015	1008.58	2015.15	2015.02	0.12	0	2	1.1e+03	1	QLNVEDVELSPNGDLFVK
✓	1424	1190.24	3567.69	3567.61	0.08	1	2	1e+03	1	MMVEDTHMTMTGFSDVTSLNYSQRNLLAVGR + 4 Oxidation (M)
✓	601	825.18	1648.35	1647.76	0.59	0	2	1.2e+03	1	EWYESGAVNGVPANR
✓	867	947.71	1893.40	1893.90	-0.50	0	2	1.2e+03	1	DDVVAFFDTEYLAVYK
✓	1007	1005.71	3014.10	3014.48	-0.38	2	2	1.2e+03	1	HNQYYFSSYKSTSLLTEYTVSKVNR
✓	2447	1065.92	3194.75	3194.51	0.23	0	2	2.4e+02	1	NLMQEFSNILLCLFEALSIMGFDTWGVK + Carbamidomethyl (C); 2 Oxidation (M)
✓	1055	1024.33	2046.64	2046.06	0.59	1	2	1.1e+03	1	TPEYFGFLRSVFQISQK
✓	1404	1180.73	3539.16	3539.61	-0.45	2	2	1e+03	1	YTNIDIYEAVCSAAGEGRLVEKEDEHSDDVR + Carbamidomethyl (C)
✓	1451	1209.69	2417.36	2417.39	-0.03	2	2	8.5e+02	1	GSDLLLQSLLRVLDIRHNR
✓	347	687.69	2060.05	2060.13	-0.08	2	2	1.2e+03	1	FRNGMVARVVVDLAAATVR + Oxidation (M)
✓	2193	731.80	2192.38	2192.12	0.26	1	2	3.4e+02	1	EELGGSIASFPTGVVNFQRGK
✓	184	600.77	1799.28	1798.88	0.39	1	2	1.1e+03	1	YEGIDVRDVSTLNYR
✓	1050	1022.30	2042.59	2043.09	-0.50	2	2	1.3e+03	1	RLTESLQNVNDRIWTAK
✓	393	714.44	713.44	713.42	0.02	1	2	3.1e+02	1	KGVTGPR
✓	1093	1039.35	3115.03	3114.54	0.49	1	2	1.2e+03	1	FGIMCVGTTTPFESSVPYVRVNLVYVHR + Carbamidomethyl (C)
✓	2325	1256.76	2511.50	2512.10	-0.59	2	2	3.3e+02	1	MKYLEMGGGAAADALRDGDADDDR
✓	1652	1374.05	4119.12	4119.11	0.02	2	2	9.1e+02	1	ILLEDCTRITTLAALASIHTISEVNVCGCSGVKSFLSTP + Carbamidomethyl (C)
✓	67	518.50	1034.99	1034.56	0.42	0	2	1.1e+03	1	TIPVVTDYK
✓	368	700.89	699.88	700.36	-0.48	0	2	7e+02	1	FYIMK
✓	1409	1182.77	2363.53	2363.17	0.36	2	2	1e+03	1	REAHADGGNALLASMYPAFKTK + Oxidation (M)
✓	1635	673.67	1345.33	1345.71	-0.38	1	2	5.6e+02	1	YVALFKFCIDK
✓	2313	829.39	2485.15	2485.24	-0.09	1	2	3e+02	1	DVLSTKGMQSTVETVPWIHWR + Oxidation (M)
✓	2388	945.97	2834.87	2835.40	-0.52	1	2	4.8e+02	1	IQSGGGFGYLRAATATPD LAPSSAGPSMR
✓	1396	1175.14	3522.41	3522.75	-0.34	2	2	1.3e+03	1	WHAIKNTFVTTLLEVRSSAQEFAMIVDWMGR
✓	604	826.75	2477.21	2477.24	-0.03	1	2	9.7e+02	1	SSSGVRCQTASSAVHFNLVTLR + Carbamidomethyl (C)
✓	1556	1281.12	3840.34	3840.84	-0.49	2	2	1.2e+03	1	ALLVFGEQKGEKPGGTAMESHADAEMFTAMVRNFR + Oxidation (M)
✓	1106	1045.68	3134.01	3133.49	0.51	1	1	1.1e+03	1	FAMVMTGSETLLEQSSHWEVLYMLR + 3 Oxidation (M)
✓	1445	1203.58	1202.58	1202.59	-0.01	1	1	9.3e+02	1	SAKDAENAELR
✓	2460	1095.75	3284.22	3284.69	-0.47	2	1	3.4e+02	1	MRLSTLALVQLDDREVNDVMPLEPIMR + 2 Oxidation (M)

✓	737	892.61	2674.80	2674.29	0.51	2	1	1.2e+03	1	QLSCVYGDKGVPESLVMRMGGYGTK
✓	1197	1084.62	3250.85	3250.33	0.53	2	1	9.7e+02	1	LMETLCQCGRTPQGSNKEGDGTEQADSC + 2 Carbamidomethyl (C); Oxidation (M)
✓	1869	840.17	1678.32	1678.80	-0.48	0	1	6.1e+02	1	YSSFAEDQFVAFIR
✓	2288	1193.41	2384.80	2385.09	-0.29	0	1	4.3e+02	1	ESYNNIPNVAIMTAANCSTTSK + Carbamidomethyl (C)
✓	2429	1031.05	3090.13	3089.59	0.55	2	1	3.8e+02	1	MVVQALNGSILKLICCKGECIGVPSTAR + 3 Carbamidomethyl (C); Oxidation (M)
✓	419	730.76	1459.52	1459.74	-0.23	0	1	1.2e+03	1	NDAFVANVVQEV
✓	422	731.39	2191.16	2191.10	0.06	0	1	1.2e+03	1	GDPGALPPAASSLSVFQHTSPR
✓	2468	1108.06	3321.14	3321.72	-0.58	1	1	3.9e+02	1	MSIVTTGMTGSTEEIINEILALKCIDIETR
✓	564	807.78	2420.32	2420.24	0.07	2	1	1.2e+03	1	DLIAELRECLTQRTLEMTASK
✓	1149	1062.35	3184.04	3183.49	0.55	2	1	1.2e+03	1	HACNMKTDSSGTAVLVESAGSGAFGTMVQRR + Oxidation (M)
✓	1499	1235.73	3704.16	3704.00	0.16	2	1	9.3e+02	1	TAGTIIGGVLGTKAGNPAMGAQAGNAVGGIAEGILNKIGGK
✓	2177	724.90	2171.67	2171.24	0.43	2	1	5e+02	1	DLRLPLGINSLEAIHASP
✓	515	787.87	2360.60	2360.27	0.33	2	1	1.6e+03	1	FSRNGRALDSTVLLACLNVVR + Carbamidomethyl (C)
✓	2097	1027.92	2053.84	2053.95	-0.12	2	1	3.2e+02	1	GMGSAAASRGSAADCTQKEALK + Oxidation (M)
✓	2234	761.74	2282.19	2282.35	-0.15	0	1	2.9e+02	1	MDIITLICSLVILGAI AVLVR + Carbamidomethyl (C)
✓	272	646.47	1290.92	1290.65	0.27	0	1	1.4e+03	1	DPAALGITEYNK
✓	2113	1040.99	2079.96	2079.94	0.02	2	1	4.7e+02	1	GGMGMDVGAGASAEVGVGSDRKR + Oxidation (M)
✓	890	958.52	2872.53	2872.38	0.15	2	1	1e+03	1	YVLTPSDKEYAPKYSYSSDELYVR
✓	896	960.30	2877.87	2877.44	0.43	2	1	1.4e+03	1	DSVPRVMGAMGVGLGYICMPPAKLVER + 2 Oxidation (M)
✓	59	512.79	511.78	512.23	-0.45	0	1	24	1	DGGHK
✓	933	975.17	974.17	974.41	-0.24	0	1	1.3e+03	1	QNNNDENK
✓	2100	686.54	2056.60	2056.99	-0.39	2	1	5.5e+02	1	ASAAARAAMMKDSSSATGTGTK + Oxidation (M)
✓	2331	845.46	2533.36	2533.12	0.23	2	1	2.8e+02	1	GTDHRGSLVADTSPECSSDSSGRR + Carbamidomethyl (C)
✓	1653	1374.09	4119.24	4119.32	-0.08	1	1	9.8e+02	1	LVLVCPPLSSLTAMTNAVVRRLVDGYQLPDIVVLLK + Oxidation (M)
✓	1710	481.56	1441.66	1441.67	-0.01	2	1	3.4e+02	1	RNEEMHQKNEK
✓	1797	782.81	1563.61	1563.84	-0.23	2	1	3.3e+02	1	AIYSEVQKRSLDR
✓	322	673.83	672.82	672.36	0.46	1	1	9.4e+02	1	TRDGP
✓	2231	760.69	2279.05	2279.19	-0.14	1	1	3.3e+02	1	GLSVQERVVVICLAGFPFSR
✓	2255	1159.40	2316.78	2317.19	-0.41	2	1	4e+02	1	GKLMIDTDDEITRLENIGIR + Oxidation (M)
✓	199	608.18	1821.52	1821.92	-0.39	2	1	1.3e+03	1	TAENFRALCTGEKGLGR
✓	1333	1149.56	3445.65	3445.55	0.10	1	1	9e+02	1	DCCGCILTDKILQQYDFNGFTFTVCIDWK + Carbamidomethyl (C)
✓	1398	1175.40	2348.79	2348.20	0.59	2	1	1.2e+03	1	DLTKTAVISGGMIPKVNCCIR + 2 Carbamidomethyl (C); Oxidation (M)
✓	2329	842.45	2524.32	2524.43	-0.12	2	1	3e+02	1	LKEGIKLSLSMALAAYIQTYALK
✓	1030	1013.39	2024.77	2024.97	-0.20	2	1	1e+03	1	RSRADSTASAATSAAASAMSR

✓	1068	1030.29	2058.56	2058.05	0.51	2	1	1.3e+03	1	DIMALHDKILEMDNKK + 2 Oxidation (M)
✓	1464	1215.45	1214.44	1214.66	-0.22	0	1	1.1e+03	1	TLAGELLQAGSR
✓	2071	672.42	2014.23	2013.99	0.24	0	1	3.4e+02	1	YIFENSTWTHVVYSLR
✓	2491	1203.34	3606.99	3606.74	0.25	2	1	2.3e+02	1	KEAEGCDCLQGFQICHSLGGGTGAGMGTLLIAKIR + Carbamidomethyl (C); Oxidation
✓	2451	1076.35	3226.04	3225.56	0.48	0	1	4e+02	1	AAAAPGASLGNGQLEAKPQSVNSSSAANSAQER
✓	1810	788.99	1575.96	1575.83	0.13	2	1	3.7e+02	1	VISCLKDERVEASK
✓	63	514.81	1541.40	1541.75	-0.35	0	1	9.4e+02	1	QPSTDPFAAPQQQK
✓	1273	1119.96	3356.85	3356.44	0.41	0	1	1.1e+03	1	MSLYIFCSSAGATPACTSSSCSFEITSMLSSR + 2 Oxidation (M)
✓	2109	691.64	2071.91	2071.93	-0.03	1	1	3.5e+02	1	DAICKLLMAMATMCQQR + 2 Carbamidomethyl (C); 2 Oxidation (M)
✓	2438	1047.60	3139.78	3139.55	0.24	1	1	2.7e+02	1	SDLAVNKFNLELETESLEQMMVIFPDK
✓	311	664.20	1989.59	1989.01	0.58	2	1	1.3e+03	1	MMRRSLFQGVYTLCLR + Oxidation (M)
✓	679	860.83	2579.46	2579.25	0.21	2	1	1.2e+03	1	DSRVVLGAGCAETAMANAIEKAAMK + Carbamidomethyl (C); Oxidation (M)
✓	2477	1135.86	3404.56	3404.64	-0.09	2	1	2.6e+02	1	NLNAGQQCISPDFVLCHEAVLDKFLSECRR
✓	451	751.78	2252.32	2252.08	0.25	0	1	1.3e+03	1	LSAELLMESDTTGGSRPMSVR + Oxidation (M)
✓	1124	1053.81	3158.41	3158.41	-0.00	1	1	1.1e+03	1	DTAPGQSMCTQASEGKCTEAPGYFLNPLR + Oxidation (M)
✓	1229	1100.17	3297.48	3297.63	-0.15	1	1	1.2e+03	1	VMVTAGLDQEVKMMWNIQLQCIGTIGFMK + Oxidation (M)
✓	499	774.93	2321.76	2322.32	-0.55	2	1	1.7e+03	1	IGRLIAWTNKSITVLAAPENR
✓	602	825.86	824.85	825.36	-0.51	0	1	4.3e+02	1	SNHDEPK
✓	298	658.65	1972.92	1973.16	-0.24	0	1	1.4e+03	1	IAYIHLLIGTHAAIAIQR
✓	476	765.34	2292.99	2293.16	-0.17	2	1	1.1e+03	1	TLRSQQQMHLNSTSKISYR + Oxidation (M)
✓	1066	1029.25	2056.49	2056.02	0.47	2	1	1.3e+03	1	MHSCVLSGHRIGRVEYR + Carbamidomethyl (C)
✓	809	927.08	2778.21	2778.62	-0.41	2	1	1.2e+03	1	MVLVRYCLFLRIWALLLSLTSR
✓	2469	1115.80	3344.36	3344.75	-0.39	1	1	2.8e+02	1	GDSYIGVEIIDVSAPILNTSAKLIEAAQAQMK
✓	941	977.64	2929.91	2930.46	-0.55	1	1	1.2e+03	1	VSQNSDFSIKPFSLQKMFTESQINR
✓	1313	1138.33	2274.64	2275.23	-0.59	2	1	1.2e+03	1	MWGLSAKLVAFAQILTNPCKR
✓	2070	1008.01	2014.01	2013.97	0.04	1	1	3.5e+02	1	VLGQMINEGVRQHMGDK + 2 Oxidation (M)
✓	838	935.17	1868.33	1868.06	0.27	1	1	1.4e+03	1	MTQTIPNKPILSKER
✓	868	947.80	2840.39	2840.45	-0.06	1	1	1.1e+03	1	LNLPQANPGLHMSFTGSPGTGKTTVATK + Oxidation (M)
✓	1636	1347.62	4039.84	4039.94	-0.10	1	1	8.8e+02	1	LKTDLDAETEAHCTSLIDCLLETAYSLMVQDAAVVSR + Oxidation (M)
✓	746	895.95	894.94	895.51	-0.57	2	1	1.5e+03	1	YSVKKSGK
✓	2398	973.24	2916.68	2917.26	-0.58	0	1	3.2e+02	1	SINIPSSITSFGNYCFYGCCEELK + Carbamidomethyl (C)
✓	485	769.14	2304.40	2304.13	0.26	1	1	1.3e+03	1	YVATLPRHAHHYNEFFFR
✓	1341	1151.88	2301.75	2302.18	-0.43	2	1	1.2e+03	1	EPVTSAPFQPRDPTATPHRAK
✓	1641	681.07	1360.12	1360.70	-0.59	2	1	6.4e+02	1	VCVLKKDGECEK + Carbamidomethyl (C)

✓	2007	950.22	1898.42	1898.98	-0.57	0	1	6.1e+02	1	AELNPDLVDEGVSTSILK
✓	1328	1146.55	3436.62	3436.52	0.10	1	1	1.1e+03	1	YALCARPSSFEQSPNRDTGMYIGMPQSDSR + Carbamidomethyl (C); Oxidation (M)
✓	1466	1217.15	3648.42	3648.91	-0.49	1	1	1.4e+03	1	VMNYFKQIVMGVSTIHQHCIIHGDLKPGNILK + Oxidation (M)
✓	1638	675.88	1349.74	1349.68	0.07	0	1	3.6e+02	1	VHIMSVTPDSHK
✓	2373	909.86	2726.55	2726.41	0.14	1	1	3.4e+02	1	LIIAKAPASHSTISNATAGIGMEMQAK + Oxidation (M)
✓	2049	661.36	1981.06	1981.03	0.03	0	1	3.6e+02	1	ANVLSPLPPLETGAAAAMSR + Oxidation (M)
✓	391	712.79	711.78	711.37	0.42	0	1	2.9e+02	1	THGLER
✓	899	961.98	2882.93	2882.42	0.51	0	1	1.7e+03	1	ILCSAVLNNSMVISADAGSLLALEFMQ + Carbamidomethyl (C); Oxidation (M)
✓	1393	1172.54	2343.07	2343.15	-0.08	2	1	9.9e+02	1	EKRSALLLLMYHAMFEGMR + 3 Oxidation (M)
✓	1870	840.22	1678.42	1678.87	-0.45	1	1	6e+02	1	QFESLDNIRVLMAK + Oxidation (M)
✓	748	899.89	898.88	898.47	0.42	0	1	4.8e+02	1	MVHVGGGVK + Oxidation (M)
✓	24	462.42	1384.25	1383.65	0.59	1	1	1e+03	1	EPISFDMVMKR + 2 Oxidation (M)
✓	587	817.62	2449.82	2450.11	-0.29	1	1	1.5e+03	1	MFCVSCMAGTKQQEPLFHHTR
✓	1950	904.89	1807.77	1807.78	-0.00	0	1	3.6e+02	1	NDDVILTSDTCSDEPK + Carbamidomethyl (C)
✓	1305	1134.89	3401.66	3401.67	-0.01	2	1	1.1e+03	1	MPSSTKSSADQASSEVQEVLINGKLYDVSGFK
✓	449	747.68	746.68	746.42	0.26	1	1	4.9e+02	1	EETIKK
✓	1297	1131.98	2261.94	2262.17	-0.23	2	1	1.2e+03	1	ALKKCPSTLLWMEFLSHR + Oxidation (M)
✓	726	886.02	2655.04	2655.03	0.00	0	1	1.3e+03	1	EECDGGINCDETHCLPGYIQDK + 2 Carbamidomethyl (C)
✓	1192	1081.23	2160.45	2160.93	-0.49	0	1	1.1e+03	1	MLSSTNGVCDIASACACKPMK + 2 Oxidation (M)
✓	2146	1063.16	2124.31	2124.01	0.30	1	1	3.5e+02	1	TCVCVCVCVCVQGGQKLIR + 2 Carbamidomethyl (C)
✓	314	668.76	2003.27	2002.90	0.37	2	1	1.2e+03	1	DGSLSARRQAMGWYDK + 2 Oxidation (M)
✓	810	927.59	2779.75	2779.48	0.26	2	1	1.2e+03	1	IDTLPQARNIAADM LPRGALYPLR
✓	1174	1072.40	2142.79	2143.15	-0.36	0	1	1.2e+03	1	SSGYQIMVTLLIMIFCVIL
✓	1491	615.79	1229.56	1229.60	-0.03	1	1	3.7e+02	1	LSCFSRSAFR + Carbamidomethyl (C)
✓	345	686.97	685.96	686.40	-0.43	0	1	7.4e+02	1	LLAAGDK
✓	533	796.11	2385.30	2385.18	0.12	0	1	1.2e+03	1	CVVISPPPSHSFAAGEAVAVDLR
✓	1073	1032.51	2063.01	2063.02	-0.01	2	1	1.1e+03	1	ECISLVSSMKYNSFATRK
✓	1227	1099.82	3296.44	3296.50	-0.07	1	1	1.2e+03	1	NMALVSYDNEKNPYQCIDLSMTNPITK + 2 Oxidation (M)
✓	426	732.34	1462.66	1462.68	-0.02	0	1	1.3e+03	1	AGWGPGGCAFASLNR
✓	840	935.46	2803.35	2803.44	-0.09	2	1	1.2e+03	1	TQVLVNRSSGGEKCPFTAVLAGTQR + Carbamidomethyl (C)
✓	1391	1171.86	3512.56	3512.72	-0.16	1	1	1.3e+03	1	GNLFAFGGHLIEIFQHFFDMAFTYGFRFIA
✓	2076	675.36	2023.05	2022.90	0.15	1	1	3.4e+02	1	MSCTFGGNTTAVQEMFKR + Oxidation (M)
✓	668	854.08	2559.22	2559.40	-0.18	1	1	1.1e+03	1	MNFVNFVTGSSKLPIGGLANLRPK
✓	1054	1024.20	2046.38	2046.18	0.20	1	1	1.1e+03	1	IYALVASIHPLRIYVYR

✓	1326	1143.96	3428.85	3428.55	0.30	2	1	1.2e+03	1	QLRSYSTFYNNFIKNIPCPSGYDCSDYK + Carbamidomethyl (C)
✓	2371	906.34	2716.01	2716.33	-0.32	1	1	3.9e+02	1	WHQIAFMSIDAEEVERVVGDTLR + Oxidation (M)
✓	712	879.78	1757.54	1757.83	-0.29	2	1	1.2e+03	1	QGGGNNDKVNQEKKNK
✓	1039	1016.89	3047.65	3047.54	0.10	2	1	1.2e+03	1	GCESLKNVILPNLTIANDNAFKGCESLK + Carbamidomethyl (C)
✓	1529	1257.72	3770.14	3770.11	0.04	2	1	9.7e+02	1	DFLCGLLVSITPQTPTSLQEAVIDAVGLIYLKLLK + Carbamidomethyl (C)
✓	2300	809.36	2425.07	2425.22	-0.15	1	1	3.2e+02	1	MLDVANRPMPKPEMFAAHRK + Oxidation (M)
✓	1003	502.19	1002.37	1002.47	-0.09	1	1	5.5e+02	1	SYFESKDK
✓	1954	907.35	1812.69	1812.87	-0.19	1	1	3.6e+02	1	VADYLSAKMCNLDVAK + Carbamidomethyl (C); Oxidation (M)
✓	2367	904.55	2710.63	2710.32	0.30	2	1	3.8e+02	1	WVHLACTDKKIVENTQFMFESK + Carbamidomethyl (C)
✓	2372	909.19	2724.54	2724.38	0.16	2	1	2.9e+02	1	AVEEALHCLACRACVERWLLAVR + 2 Carbamidomethyl (C)
✓	2437	1047.46	3139.35	3139.33	0.02	0	1	2.8e+02	1	CGSCVCPHYVYMPNEPEEIGEGWLTR + 3 Carbamidomethyl (C)
✓	738	893.50	892.50	892.55	-0.05	2	1	1e+03	1	RLVKYSK
✓	1296	566.42	1130.83	1130.59	0.24	1	1	4.2e+02	1	MTEGPVRGLR + Oxidation (M)
✓	1579	1295.15	2588.30	2588.46	-0.16	2	1	1.4e+03	1	LKALLSIFGRETPVELEFAQISK
✓	440	742.55	2224.63	2225.18	-0.54	2	1	1.5e+03	1	KEMVDFLISLGVDFNIKNK + Oxidation (M)
✓	982	990.40	2968.18	2968.26	-0.09	1	1	1.2e+03	1	CDGFVPGCAVCTPSPDASGAPVCASCKAGK + 3 Carbamidomethyl (C)
✓	1117	1050.06	1049.05	1049.59	-0.54	1	1	7.6e+02	1	IFPMSLKAK + Oxidation (M)
✓	1494	1232.32	3693.95	3693.87	0.08	2	1	1.3e+03	1	RDWPLSLDVLSTTSWPKLSSCLPAGETQPIPDK + Carbamidomethyl (C)
✓	208	613.92	1838.75	1839.03	-0.28	0	1	1.1e+03	1	DILQIQLTGYGIHLQK
✓	383	708.64	2122.89	2122.91	-0.02	1	1	1.4e+03	1	WMSDGGCGDPSVVEWKEGK + Carbamidomethyl (C)
✓	765	905.91	2714.71	2714.32	0.39	2	1	1.6e+03	1	LPASREEHELIGCECYRPRMIR + Carbamidomethyl (C)
✓	973	987.39	2959.15	2958.66	0.50	0	1	1.2e+03	1	LVPATAIAVAAMALPAAATTTTAAPVPVNLIR + Oxidation (M)
✓	1412	592.94	1183.86	1183.67	0.19	0	1	4e+02	1	QSAVFVAPLPR
✓	1521	1253.35	3757.01	3756.85	0.16	2	1	1.2e+03	1	AALEESRQHPVTTTPCAVVEAHSAEVADKDAGAAIR + Carbamidomethyl (C)
✓	1255	1109.57	3325.69	3325.46	0.23	2	1	9.7e+02	1	DNVLCVMQVTSIECVDDWDDRQTKER + Carbamidomethyl (C)
✓	1544	1269.43	3805.26	3805.01	0.24	1	1	1.3e+03	1	MGTSSFILLFLCLLDHFCTSSLHNAKVLLLELR
✓	1223	1097.14	1096.14	1095.58	0.56	0	1	1.1e+03	1	IASGEIPIPEA
✓	1587	1299.51	3895.52	3895.16	0.36	2	1	1.1e+03	1	ELNEFIHRMATDKIIICFYILIMIGIIIFATLK
✓	1592	1301.36	3901.05	3901.14	-0.09	2	1	1.3e+03	1	FLTVLNCLINNKQFLNLSDEVLEKILNESELIR + Carbamidomethyl (C)
✓	2286	1192.39	2382.78	2382.19	0.59	2	1	5.5e+02	1	FSAPNYVAVKNDGTGVMEEVKK
✓	2341	862.80	2585.38	2584.96	0.41	0	1	3.2e+02	1	QWNYGMDDEDDGENSGGGNDAPDAR + Oxidation (M)
✓	325	675.17	674.16	674.36	-0.20	1	1	5e+02	1	AKAEK
✓	448	747.27	746.26	746.39	-0.13	0	1	5.1e+02	1	GQGTSGLK
✓	479	766.70	2297.09	2297.06	0.03	0	1	1.3e+03	1	LCIVVDTSVDEATEICQTACK + Carbamidomethyl (C)

✓	1559	1285.21	3852.61	3852.81	-0.20	2	1	1.3e+03	1	NILMSDNMIPQFTDIGNASKVDNSNELQDIDKNK + 2 Oxidation (M)
✓	1276	1122.01	2242.00	2242.16	-0.17	2	1	1.4e+03	1	SPRYYTHFVMKALIEMLK + Oxidation (M)
✓	1150	1062.48	3184.41	3184.83	-0.42	0	1	1.1e+03	1	VLVFLGAIGALAGMTVLSALMGLVVPVSVLSVR + 2 Oxidation (M)
✓	1225	1098.34	3292.01	3291.44	0.57	2	1	1.5e+03	1	DCMDHIGFFAKCLGCSENAHNYFKTIR + Carbamidomethyl (C)
✓	603	826.41	1650.80	1650.81	-0.01	2	1	9.4e+02	1	VKGKVEASCVAEMER + Oxidation (M)
✓	647	846.46	2536.35	2536.26	0.09	1	1	1.2e+03	1	STIGGDRTDLMFELQQDQIVVR + Oxidation (M)
✓	1048	1021.41	3061.21	3061.61	-0.40	2	1	1.2e+03	1	SFGALMKADTLDLASASVAGLLNKTSLDPR
✓	1062	1028.33	3081.97	3081.45	0.52	2	1	1.4e+03	1	ITMPMMVITMGGRRFFDCKDAELVTMVK + Oxidation (M)
✓	1423	1189.53	1188.52	1188.69	-0.17	0	1	1e+03	1	GDLNYLILLR
✓	317	669.86	2006.55	2006.98	-0.42	2	1	1.4e+03	1	DGYLADTPTTVGSGGERRR
✓	1199	1086.14	3255.40	3255.66	-0.26	2	1	1.3e+03	1	KQTTLSLNSEINTSPNLFFSSQNSTELKK
✓	2084	1020.92	2039.83	2039.94	-0.11	2	1	3.7e+02	1	CYKQMNQDTEVPLDRK + Carbamidomethyl (C); Oxidation (M)
✓	1188	1078.94	3233.79	3233.46	0.33	2	1	1.2e+03	1	KHSETTSLERLSESSGGVGHTNSSTECGGSR + Carbamidomethyl (C)
✓	1461	1215.05	3642.12	3642.68	-0.56	2	1	1.3e+03	1	MGSSDDEWQNPPVFPGRRPGAGGSGENAMLAARR + Oxidation (M)
✓	2254	772.35	2314.03	2314.12	-0.09	2	1	3.7e+02	1	ERFLYCMEGVNRAAAASGEIK
✓	2435	1043.70	3128.07	3127.74	0.33	0	1	5.1e+02	1	AVVAQSTSPVASALGAQASAGGLAVVAALLPQPR
✓	274	646.97	645.96	646.33	-0.37	0	1	1.7e+03	1	EASAAAK
✓	348	687.96	2060.86	2061.10	-0.23	1	1	1.8e+03	1	IMQFFSTVNSLIKTSFAK
✓	648	846.72	1691.43	1690.90	0.53	1	1	1.6e+03	1	VMLITAPVYAKDNEK
✓	1265	1114.62	3340.85	3340.93	-0.08	1	1	1e+03	1	LAARHVPQGSILLRPESVSSALSILLLTPIR
✓	1989	625.96	1874.87	1874.94	-0.07	2	1	3.6e+02	1	GSGSGAVRTVSPQKCGAASR
✓	2151	710.43	2128.27	2128.06	0.21	1	1	4.2e+02	1	IEYYEQSYSKHSLVVQR
✓	577	813.14	2436.40	2436.16	0.24	2	1	1.3e+03	1	RCCDPHLAADQAPAVIERMAR + 2 Carbamidomethyl (C)
✓	757	903.59	2707.73	2708.32	-0.59	2	1	1.4e+03	1	NVLQEIVQTEENLCKNMKLMKD + Carbamidomethyl (C); 2 Oxidation (M)
✓	2309	824.23	2469.66	2469.20	0.46	1	1	5.3e+02	1	LRDGGLTPTADTYAALIACCTSTR
✓	378	706.11	705.10	705.41	-0.30	0	1	4.1e+02	1	EFVLAK
✓	975	987.47	2959.38	2959.63	-0.25	0	1	1.2e+03	1	MAEAFSIISILLLLAATALGVAAHFCLK + Carbamidomethyl (C); Oxidation (M)
✓	990	994.85	2981.52	2981.38	0.14	2	1	1.2e+03	1	KEYNKYVLDILCDTGCGYQGDDELTKG + Carbamidomethyl (C)
✓	2083	679.27	2034.80	2035.13	-0.33	2	1	4.3e+02	1	STISKANLSHRVTPLQQR
✓	2257	1162.08	2322.15	2322.23	-0.08	2	1	3.4e+02	1	TQLAVDAVQGGREELGAQPKGK
✓	124	562.71	561.70	562.26	-0.56	1	1	4.4e+02	1	VDDKS
✓	1025	1010.70	2019.39	2019.03	0.36	0	1	1.3e+03	1	QLSVEELVACLTVTTSNGR
✓	1336	1150.16	3447.46	3447.70	-0.25	2	1	1.3e+03	1	CGVAATTATAALVRCCGRAAVISPLVTACGMQR + 2 Carbamidomethyl (C); Oxidation (M)
✓	1362	1160.70	3479.08	3478.71	0.37	0	1	1.2e+03	1	FAPPPADRPPTATATAASAAILGVNTSTGGHCCISR

✓	409	724.93	2171.78	2172.02	-0.24	1	1	1.2e+03	1	GYVCRGVGLSYQDFCVPPR + Carbamidomethyl (C)
✓	619	837.08	836.07	836.41	-0.33	1	1	4.1e+02	1	DCKSLSK + Carbamidomethyl (C)
✓	1094	1039.59	3115.74	3115.53	0.20	2	1	1e+03	1	NDTLEILTNCCLKMSSDSQKLFAEVGGFR
✓	1507	1239.39	2476.76	2476.21	0.55	2	1	1.3e+03	1	IGEAQRDLCLRLGCMEPQLMK + Carbamidomethyl (C); Oxidation (M)
✓	1709	721.62	1441.23	1441.70	-0.47	0	1	7.3e+02	1	NVVVGTAEPDQEK
✓	629	840.50	1679.00	1678.76	0.23	1	1	1.1e+03	1	HSGFEKMEIDVESR + Oxidation (M)
✓	2087	682.33	2043.96	2043.98	-0.03	1	1	3.5e+02	1	SCDLNNPTVGAMTAAAPKR + Carbamidomethyl (C)
✓	1369	1163.02	3486.04	3485.54	0.50	2	1	1.4e+03	1	NMQTDSPSHSPMAQSSTNTAAFANSHCSHRKR
✓	1727	489.92	1466.74	1466.78	-0.04	1	1	4.8e+02	1	RDGIDDGLPLIQR
✓	2104	1034.79	2067.57	2067.11	0.46	2	1	7e+02	1	TGTGLHEGLEWAVKNIKSK
✓	827	932.83	931.82	931.45	0.38	1	1	1.3e+03	1	EADGARASR
✓	1114	1048.71	3143.10	3143.26	-0.16	0	1	1.6e+03	1	QGQGDIDSDVSDDEAPIIGDEDDDTYMGR + Oxidation (M)
✓	1283	1123.72	1122.71	1122.57	0.14	1	1	1.2e+03	1	RVTDTFEQK
✓	2399	974.30	2919.89	2920.25	-0.36	1	1	5e+02	1	DFGCGESNETMCYTGPQYAAFLGFKK + Carbamidomethyl (C)
✓	2482	1157.36	3469.07	3468.74	0.33	2	1	3.8e+02	1	LLRDPCDRVAILAMMPAAVHLSNDLCELFK
✓	889	958.09	957.09	957.59	-0.50	0	1	8e+02	1	LAHVLLHR
✓	976	987.66	1973.31	1972.88	0.43	2	1	1.5e+03	1	DLSDYSRHKYSSDEGSK
✓	2400	981.06	2940.16	2940.45	-0.29	0	1	3.7e+02	1	GNFWPSTAFDSPDLAYMLGTLGLALQR
✓	1052	1023.64	3067.91	3067.53	0.38	1	1	1.2e+03	1	ARCDVVVDVALGGPNDEPLSADLATAIMAK + Carbamidomethyl (C)
✓	1091	1039.29	3114.84	3114.47	0.37	1	1	1.4e+03	1	TLALTYSKNHAFMGNNKPPCSSYAW EK + Carbamidomethyl (C)
✓	1152	1064.49	3190.44	3190.66	-0.22	1	1	1.2e+03	1	EGQLPLLQTPSTPQFGAADLRLPSEVAEAR
✓	263	639.67	1915.99	1915.92	0.06	2	1	1.1e+03	1	KTGVDEMWWYGRANFK + Oxidation (M)
✓	970	984.96	2951.85	2951.33	0.52	2	1	1.5e+03	1	TMERVHLCVHEMRWTCAGETYLDR + Oxidation (M)
✓	2239	765.95	2294.83	2295.02	-0.19	1	1	4.8e+02	1	FLEGARSMDQHWQTASMER + Oxidation (M)
✓	2346	873.39	2617.15	2617.44	-0.30	1	1	3.4e+02	1	VIPHGSDVLILGNSDKIVTSLDLGR
✓	436	739.58	2215.72	2216.12	-0.41	0	1	1.5e+03	1	QTIAISPTLPQEYADALEEK
✓	907	964.31	2889.91	2890.31	-0.40	0	1	1.6e+03	1	AAMENGNMESFTVEFAQMLLGLFLHR + 3 Oxidation (M)
✓	1129	1055.90	3164.67	3164.48	0.19	2	1	1.1e+03	1	FVMIKYHRNPAESES HLADAADMDFVR + Oxidation (M)
✓	834	934.49	2800.45	2800.37	0.08	2	1	1.3e+03	1	ELYPGSGSGTSGTPTASAETIPSRGRHK
✓	1419	1188.11	3561.30	3561.59	-0.29	1	1	1.7e+03	1	DEDAAQDEPMPSTTPTTASPSTHAPATSQPSHKR + Oxidation (M)
✓	1452	1209.87	2417.73	2417.32	0.41	2	1	1.3e+03	1	INISLEMMILCASKLKLGV ER + Carbamidomethyl (C)
✓	1626	1336.95	2671.89	2672.45	-0.56	2	1	1.2e+03	1	GRISVLEKMVLPEEILMSGGHHIK
✓	2473	1128.36	3382.05	3382.49	-0.44	1	1	4.5e+02	1	FNSLSSEHSDDLKITSMTTEVENQTYMFDV + Oxidation (M)
✓	755	902.98	1803.94	1803.89	0.05	1	1	2e+03	1	IPSSSAARCESSVQVQR

✓	1553	638.85	1275.68	1275.76	-0.07	1	1	5.6e+02	1	IGKLAFTNTALK
✓	1576	1292.66	3874.96	3874.87	0.08	2	1	1.1e+03	1	FRPRTAEMLCTLINIAGKFFDSYCDQHTNIR + 2 Carbamidomethyl (C)
✓	251	633.74	1265.46	1265.60	-0.14	1	1	1.6e+03	1	MSRVAAASCQAR + Oxidation (M)
✓	1601	1308.86	2615.71	2615.36	0.35	2	1	1.2e+03	1	FKDLLQGEQEALNDITQERLK
✓	1647	1369.57	4105.69	4105.14	0.55	1	1	1e+03	1	ETPGVTDLHAAEGAFVPVIKAMDGVELDLLFASLPVDR
✓	396	358.29	714.56	714.37	0.19	0	1	5.4e+02	1	LPDTNR
✓	895	959.75	1917.48	1916.96	0.52	0	1	1.5e+03	1	SAFGDVSAPDAAKPAAAPFK
✓	1080	1035.11	3102.31	3102.57	-0.25	1	1	1.4e+03	1	TTIHIMDEEIIQKLSSGCVVIDCESVIK
✓	2005	949.18	1896.34	1896.06	0.28	2	1	6e+02	1	VTRSIATDVLYSFLRR
✓	2454	1081.99	3242.95	3243.54	-0.59	1	1	3.9e+02	1	GDTCTASDVWSLGCVLALATCRLVAEDVR + Carbamidomethyl (C)
✓	662	851.79	2552.36	2552.11	0.25	1	1	1.3e+03	1	DYEDNQLRFAMFCAAAMAATEK + Carbamidomethyl (C)
✓	1200	1087.33	3258.98	3259.38	-0.40	0	1	1.5e+03	1	HQSDYMNVTVMAMSFQSSQPEVIDEYK + 2 Oxidation (M)
✓	2135	1053.39	2104.77	2105.05	-0.28	1	1	4e+02	1	VTGIDIEMHQEVKTYSQK
✓	2328	842.36	2524.07	2524.36	-0.30	2	1	3.7e+02	1	VMLLAGDVGGTKSLLGLYLMEKGK + 2 Oxidation (M)
✓	1204	1088.95	3263.83	3263.45	0.38	0	1	1.4e+03	1	QFLEMTVSDPQGSSTPMNAFYVFDDANPR
✓	1677	1392.47	2782.93	2782.40	0.52	2	1	1.3e+03	1	AQPHQQTSAALRQRCDAYLTQLR + Carbamidomethyl (C)
✓	960	982.75	1963.48	1963.01	0.47	1	1	1.6e+03	1	CVLVDSEPKVVTAVYER + Carbamidomethyl (C)
✓	1430	1194.74	3581.20	3581.66	-0.46	2	1	1.3e+03	1	YEGNGEVCITACSGAYLFTWSLEAAKRAEETGR
✓	626	840.23	2517.67	2517.28	0.40	1	0	1.5e+03	1	YFVSATSTSPVQPIRNTHPYR
✓	1002	1003.18	3006.51	3006.49	0.02	1	0	1.6e+03	1	CFVKSAVFDIPSLCEYFLSLGANINEK
✓	1219	1095.07	3282.19	3281.60	0.59	2	0	1.7e+03	1	IKLNEDNNTIDSVEEIKTNMTTLNMLEK + 2 Oxidation (M)
✓	1896	856.45	1710.88	1710.95	-0.08	2	0	4.2e+02	1	NGKHDFIGKVQVTLR
✓	2396	965.56	2893.66	2893.47	0.19	2	0	3.7e+02	1	MAVEQRSESLAVVSATTTPTLKSDTQK + Oxidation (M)
✓	2426	1026.74	3077.20	3077.53	-0.33	1	0	3.7e+02	1	LTARDGNANAGAPPAVASSGNGCVALLDVSGPR
✓	843	936.30	2805.87	2806.32	-0.45	0	0	1.5e+03	1	SLEQCVTEAYNCTLRPCHSAVIQK + 2 Carbamidomethyl (C)
✓	1035	1015.98	3044.93	3045.51	-0.58	1	0	1.9e+03	1	LPIEENISSMKNIVMATNHVFETLCR + Carbamidomethyl (C)
✓	384	709.54	2125.59	2126.13	-0.55	2	0	1.6e+03	1	NLEEKIVKLNNENNSLQK
✓	597	412.20	822.39	822.43	-0.04	0	0	5e+02	1	ALHETPR
✓	1514	1243.83	2485.65	2486.23	-0.58	1	0	1.4e+03	1	SSPSVQTLSPSSSTQEMPSNPAKK
✓	2173	1084.55	2167.09	2167.28	-0.18	2	0	4.2e+02	1	GTVADQVPKAITLLMITKLR
✓	2465	1106.67	3316.99	3317.39	-0.40	2	0	4e+02	1	ILSCRCICRMGLYNSSGTCTPCTDSCAVCK + 2 Carbamidomethyl (C); Oxidation (M)
✓	599	824.49	823.49	823.43	0.06	0	0	3.2e+02	1	HDAAVVGR
✓	1098	1041.20	3120.59	3120.68	-0.09	1	0	1.5e+03	1	MKMSILIGVGHMTIGIWISLINHIHYK + Oxidation (M)
✓	1289	1126.96	3377.85	3377.56	0.29	1	0	1.3e+03	1	AQENEQAPLSCGVSSPVCLSGTLSSMSSPRSPR + Oxidation (M)

✓	1079	1035.03	2068.05	2067.84	0.21	0	0	1.8e+03	1	CHASHALFAANCDTMMTR + Carbamidomethyl (C); 2 Oxidation (M)
✓	630	840.52	2518.55	2519.11	-0.56	2	0	1.2e+03	1	MNNGGPYNGYPLMRSGCGTSKQR + 2 Oxidation (M)
✓	1278	1122.70	3365.08	3364.55	0.53	0	0	1.3e+03	1	LCHSDTINDVVFPEGLSALFATCCGPDIR + 3 Carbamidomethyl (C)
✓	2185	1089.24	2176.46	2176.14	0.32	2	0	5.5e+02	1	LTYVLEITPEKQNSDNGKK
✓	1435	1198.35	2394.68	2394.95	-0.27	2	0	1.5e+03	1	CASCIQNCQTCGDTSTCKKCK + 3 Carbamidomethyl (C)
✓	1526	1256.18	3765.53	3765.95	-0.42	2	0	1.5e+03	1	EKEQPELPTELLDKQIEQGLLWGVFSNGEIQAK
✓	1895	855.05	1708.09	1707.81	0.28	0	0	4.3e+02	1	CCICLDGVLVGQTATR + Carbamidomethyl (C)
✓	1953	906.51	1811.00	1810.89	0.11	1	0	4.1e+02	1	GAGPLPLPCAREETESK + Carbamidomethyl (C)
✓	1443	1203.39	3607.15	3606.74	0.41	1	0	1.5e+03	1	SLGVNQFSVFYMDNCAVISRTHVMYALASDLR
✓	1489	1228.96	3683.86	3683.80	0.07	2	0	1.2e+03	1	RRGVPFSSGTSSPVQYELFNVEQLSNPDEAFAR
✓	1599	1306.96	3917.85	3917.94	-0.09	2	0	1.3e+03	1	WYMPHAYYAIKVKSDMVVVVIDTVLLHNCHE + Carbamidomethyl (C); 2 Oxidation (M)
✓	1597	1304.09	3909.24	3909.76	-0.53	1	0	1.4e+03	1	SFAGSHGMTGMTASQLNVADYSAIVANAAMGGDSAVMK + 4 Oxidation (M)
✓	1293	1129.39	2256.76	2256.97	-0.21	0	0	1.5e+03	1	CNEPADEMSGVAAPVTSGGHSKG + Carbamidomethyl (C)
✓	1368	1162.27	3483.79	3483.78	0.01	0	0	1.3e+03	1	SLLPQGVNVGDLGTLANNQFDLFLVANAGLHK
✓	1938	891.18	1780.36	1780.92	-0.57	1	0	7.3e+02	1	YLLMNGLKPTKACK + Carbamidomethyl (C); Oxidation (M)
✓	1942	899.74	1797.46	1796.97	0.49	2	0	7.2e+02	1	RRVIYSILMNQNFK + Oxidation (M)
✓	41	492.80	491.80	492.24	-0.44	0	0	41	1	CVGSK
✓	392	713.27	712.27	712.39	-0.12	1	0	1.3e+03	1	EPVRAAA
✓	972	986.10	2955.29	2955.68	-0.39	2	0	1.5e+03	1	TVSAVTGPLVILDNVKFPKFSEIVNLR
✓	964	983.70	1965.39	1965.97	-0.59	0	0	1.6e+03	1	TMALDAGANAVFTEELVSK
✓	1006	1005.55	2009.08	2008.93	0.15	1	0	1.3e+03	1	EMCRMLDLPNILTADK + 2 Oxidation (M)
✓	1022	1010.37	3028.07	3028.50	-0.43	1	0	1.4e+03	1	DLSIWDVKQHAWSPVSGTFEAVGASSR
✓	1101	1043.97	3128.89	3128.45	0.44	2	0	1.7e+03	1	MSSVTAGISEAASACRAKMQAAGVNEACIR + 2 Carbamidomethyl (C); 2 Oxidation (M)
✓	1382	1167.75	2333.49	2333.14	0.35	1	0	1.4e+03	1	GSTPSSMAGITASVAAAAADASRQR
✓	1783	766.17	1530.32	1530.81	-0.49	0	0	7.9e+02	1	VALLDTGLCAGITER
✓	677	860.19	1718.36	1718.83	-0.47	1	0	1.7e+03	1	ATLDAKQSLEDQMNR
✓	644	846.04	2535.10	2535.21	-0.11	2	0	1.9e+03	1	EMFVEEIARQTGMKIHVDENK + 2 Oxidation (M)
✓	2347	1311.13	2620.24	2620.27	-0.03	2	0	3.8e+02	1	LQEMQYMKSLGNSIIKYMGEKGK + Oxidation (M)
✓	2422	1023.10	3066.27	3066.45	-0.18	1	0	3.4e+02	1	LSEESKINCQSLSNSLSFITTNVYDMK + Oxidation (M)
✓	639	844.72	843.71	843.41	0.30	0	0	5.8e+02	1	NPPSAGSSK
✓	716	880.84	2639.50	2639.45	0.05	0	0	1.5e+03	1	LLTSLEIEQCPQLSSLTIPSNNLK
✓	1179	1074.92	2147.83	2147.88	-0.05	0	0	1.4e+03	1	MSSFCAMSLDHLSPGMK + Carbamidomethyl (C); 2 Oxidation (M)
✓	1598	1305.86	2609.70	2609.14	0.56	2	0	1.3e+03	1	NGGSSMTLCTEGMELSPDSHRRR + Carbamidomethyl (C); 2 Oxidation (M)
✓	1166	1069.05	3204.13	3203.66	0.48	1	0	1.6e+03	1	YKPYMEKLLHDIYENAEQLPIDQLLK

✓	1782	765.92	1529.82	1529.81	0.01	2	0	4.7e+02	1	RTKDTFIQWHAK
✓	2009	635.12	1902.33	1902.01	0.32	2	0	6.3e+02	1	TPKVVEAMELSADLQKK + Oxidation (M)
✓	2053	997.20	1992.39	1991.95	0.43	1	0	5.7e+02	1	MIDKLGAQMSSFITYCK + Carbamidomethyl (C)
✓	2419	1012.92	3035.74	3036.34	-0.60	2	0	4e+02	1	SLNQMQQTRAKDAAHSDNGETCTQGSSR + Oxidation (M)
✓	2462	1098.51	3292.52	3292.55	-0.04	2	0	3.3e+02	1	HEARCISVDSCLNSKSSTWHSSVCVFVR + Carbamidomethyl (C)
✓	722	884.46	883.45	883.39	0.06	1	0	1.1e+03	1	MGCGSSKSK
✓	1863	834.31	1666.61	1666.80	-0.20	2	0	4.2e+02	1	SSKSQKSSEIENESK
✓	1327	1145.14	2288.27	2288.03	0.24	1	0	1.7e+03	1	TEVVTDSNCVTGKNPEMSFK + Oxidation (M)
✓	2093	1025.65	2049.29	2048.97	0.32	0	0	5.1e+02	1	AAGYSLWNNAVGTSPAER
✓	2498	1267.30	3798.89	3798.84	0.05	1	0	2.5e+02	1	MVADSLSQILSQVIDDVFSQTHASDDFRVYPK
✓	216	616.84	1847.51	1847.79	-0.28	1	0	2.7e+03	1	FEDAMASMDKNITESK + 2 Oxidation (M)
✓	546	800.19	799.18	799.35	-0.17	0	0	4.3e+02	1	DYLSMR + Oxidation (M)
✓	1541	1266.06	3795.17	3794.72	0.45	1	0	1.5e+03	1	DLPDHVTRNLNTWEHYNSTTPETMEIPYDK + Oxidation (M)
✓	971	985.14	984.14	984.51	-0.38	0	0	1.5e+03	1	AFVIDHQR
✓	1036	1016.02	3045.04	3044.58	0.46	2	0	2.1e+03	1	LAAKTSLMLGFGSDGIALFRFEWLTER + Oxidation (M)
✓	1350	1153.89	3458.66	3458.72	-0.06	2	0	1.3e+03	1	NYHIFYEMLAGLSPTEKQQLGGLKTAQDYK + Oxidation (M)
✓	2307	822.90	2465.69	2465.19	0.51	0	0	6.6e+02	1	FDNLHICTDPPFNPHIMPLTK + Oxidation (M)
✓	640	845.69	844.69	844.46	0.23	0	0	1.8e+03	1	ALGMQLGR
✓	659	850.71	2549.12	2549.31	-0.19	1	0	1.6e+03	1	VSTEDNISTKVVSTEDNISLGSIIK
✓	1457	1212.58	2423.14	2423.19	-0.05	1	0	1.3e+03	1	LPHYHLTGYYQSHLSEEEKK
✓	651	848.14	2541.41	2541.19	0.22	2	0	1.7e+03	1	MGARYDAPLWGSVDRATMGWAAK + 2 Oxidation (M)
✓	1132	1056.21	3165.60	3165.59	0.01	2	0	1.5e+03	1	LLKMVGSAFNSVFSCLDLKDNVTYCLK + Carbamidomethyl (C)
✓	2305	821.93	2462.77	2462.24	0.52	2	0	7.3e+02	1	KDAKVTCYVVSWEHLTWR
✓	1427	1193.39	2384.78	2385.17	-0.39	0	0	1.5e+03	1	TPCRPDFPPLTIINEDPEFK + Carbamidomethyl (C)
✓	1501	1236.40	3706.18	3705.71	0.47	2	0	1.5e+03	1	HVGPAMGTKLPMQSPGTQCIADYVDSEESGIDRK + Carbamidomethyl (C); 2 Oxidation (M)
✓	1483	1228.02	2454.02	2454.28	-0.26	2	0	1.3e+03	1	AILDDHLARCLFQDETRLAVR
✓	1309	1136.52	2271.03	2271.17	-0.15	1	0	1.2e+03	1	LWEEVLNLPNELRCYGVPK
✓	1359	1157.54	3469.58	3469.57	0.01	0	0	1.2e+03	1	CFHSPLTGADPGAVMSAAAGSAMGGTLVSEGYQTR + Carbamidomethyl (C); Oxidation (M)
✓	1472	1219.17	3654.49	3654.95	-0.46	2	0	1.7e+03	1	IFYAYPVTDALSTVCSLLVALKTFINFYRQAK
✓	1496	1234.07	3699.18	3699.72	-0.54	1	0	1.6e+03	1	MLRSSPFSSGSDDEGLAPAGGPSAPETAAAAAAGAGNGR
✓	555	803.49	2407.44	2407.14	0.30	2	0	1.7e+03	1	TLHWCDYQYAEFRRAVHR + Carbamidomethyl (C)
✓	1195	1084.03	3249.06	3248.52	0.54	2	0	1.7e+03	1	DMKVFIENEGSMRAVEDTYESLQVDSLK + Oxidation (M)
✓	1379	1165.51	2329.00	2329.04	-0.04	1	0	1.2e+03	1	YWNQATSENGCKWGTVEATK + Carbamidomethyl (C)
✓	2297	1209.02	2416.02	2416.29	-0.27	0	0	4.2e+02	1	SLLQCPIMPEGCSLALALIIFK + Carbamidomethyl (C)

✓	947	978.89	1955.78	1955.96	-0.19	0	0	1.5e+03	1	VEFYSTALLANENGSSWK
✓	1478	1222.84	2443.67	2443.34	0.33	0	0	1.5e+03	1	LQTAGLSPLLFIIMLDVGNEVSVK
✓	729	889.28	2664.83	2665.15	-0.31	1	0	1.9e+03	1	CIQCETNPYCILFDGSCNKCIC + 3 Carbamidomethyl (C)
✓	1927	883.56	1765.10	1764.83	0.27	1	0	4.6e+02	1	GDSRSFSSSEGPNTPIK
✓	454	753.84	1505.67	1505.71	-0.05	2	0	1.7e+03	1	AKRGQMLDDAEEK + Oxidation (M)
✓	1887	568.22	1701.64	1701.73	-0.09	0	0	4.9e+02	1	EVEECFNAYESNIR
✓	1538	1262.23	2522.45	2522.23	0.22	0	0	1.5e+03	1	ESSSGPSGQFEFITGTNIPGGVVK
✓	1258	1111.10	2220.18	2220.12	0.06	2	0	1.8e+03	1	GHGASVHAVAGKRGPSGSMVAGK + Oxidation (M)
✓	837	934.93	2801.77	2802.29	-0.52	2	0	2.1e+03	1	MPSKEFSVPSRAACPVCSSSFVNSR + 2 Carbamidomethyl (C); Oxidation (M)
✓	1111	1046.80	2091.59	2092.09	-0.50	1	0	1.8e+03	1	LIKESVASCKPAEGEFLK + Carbamidomethyl (C)
✓	1512	621.22	1240.42	1240.63	-0.21	0	0	4.6e+02	1	AELSVASAPGDK
✓	2425	1026.28	3075.83	3075.71	0.12	2	0	4e+02	1	ASMLISEAKKLISAVTNMKPDSILFQIK
✓	526	793.31	2376.90	2377.09	-0.20	2	0	1.5e+03	1	STAFSGRALCFSEEMDPFARR
✓	1366	1162.13	2322.24	2322.15	0.09	1	0	1.8e+03	1	CVGETGPYSLRIVSACELVGR + 2 Carbamidomethyl (C)
✓	615	832.62	2494.84	2495.03	-0.20	1	0	2e+03	1	VGEKMFCFQCQETNNNTGCTK + 2 Carbamidomethyl (C)
✓	956	981.78	2942.31	2942.32	-0.02	2	0	1.6e+03	1	MLEGRYYSCADLTNLVRDAAMMTMR + 2 Oxidation (M)
✓	1473	1220.54	2439.06	2439.22	-0.16	1	0	1.4e+03	1	MTAPGQLITCKINSSVVSAMTSK + Carbamidomethyl (C); Oxidation (M)
✓	2403	985.38	2953.13	2952.64	0.49	2	0	4.3e+02	1	GDLSIESIVLILAMKLAYPTKVFMR + 2 Oxidation (M)
✓	462	758.97	2273.87	2274.19	-0.32	0	0	2.2e+03	1	LIPCSSAVSSFLVPSIDDGVL
✓	569	810.52	2428.54	2428.25	0.28	2	0	1.5e+03	1	VNFNWSIFDIIRETKYLDR
✓	1397	1175.32	3522.94	3522.98	-0.05	1	0	1.6e+03	1	YIEFILDHLASVPAARIAIAQTIIAGSTNILK
✓	2197	1099.90	2197.78	2198.17	-0.39	2	0	4.7e+02	1	EKPYGITNKFDLFEIK
✓	1383	1168.05	3501.12	3500.75	0.37	1	0	1.8e+03	1	YTRLLMDVVEGYGLVGYVPLDVQNQEMMLR
✓	1480	612.24	1222.46	1222.66	-0.20	0	0	4.5e+02	1	LLTSIDFTSAR
✓	1041	1017.53	3049.58	3049.57	0.01	1	0	1.4e+03	1	IMIQILSNVFPFKDFWGHVCIVWNK + Oxidation (M)
✓	1044	1018.84	3053.49	3053.44	0.05	2	0	1.5e+03	1	DIAEISSQCQDVTANMPRYQETKDLAK
✓	2484	1162.89	3485.65	3485.72	-0.08	1	0	3.5e+02	1	HLDQAEFVQKCKPAVALLFIDCPDEELTK + Carbamidomethyl (C)
✓	2	288.21	287.20							
✓	4	359.08	358.08							
✓	6	371.00	369.99							
✓	7	371.08	370.07							
✓	8	205.97	409.92							
✓	10	415.80	414.79							
✓	11	423.58	422.58							

✓	<u>12</u>	215.02	428.02
✓	<u>13</u>	432.70	431.69
✓	<u>16</u>	440.72	439.71
✓	<u>18</u>	223.99	445.97
✓	<u>20</u>	455.17	454.16
✓	<u>21</u>	455.79	454.78
✓	<u>22</u>	459.44	458.43
✓	<u>23</u>	460.40	459.39
✓	<u>30</u>	477.26	476.25
✓	<u>33</u>	482.19	481.18
✓	<u>35</u>	485.26	484.25
✓	<u>42</u>	493.14	492.13
✓	<u>44</u>	494.86	493.85
✓	<u>46</u>	496.18	495.17
✓	<u>49</u>	499.44	498.43
✓	<u>54</u>	506.27	505.26
✓	<u>55</u>	507.35	506.34
✓	<u>62</u>	514.50	513.49
✓	<u>70</u>	520.49	519.48
✓	<u>71</u>	520.83	519.82
✓	<u>75</u>	524.62	523.61
✓	<u>76</u>	525.37	524.36
✓	<u>80</u>	529.48	528.48
✓	<u>85</u>	535.25	534.24
✓	<u>86</u>	536.20	535.19
✓	<u>93</u>	540.00	539.00
✓	<u>94</u>	540.21	539.20
✓	<u>102</u>	546.04	545.03
✓	<u>103</u>	546.11	545.10
✓	<u>107</u>	547.91	546.90
✓	<u>108</u>	548.51	547.50
✓	<u>115</u>	554.33	553.32
✓	<u>116</u>	555.00	554.00
✓	<u>121</u>	557.95	556.94

✓	122	559.74	558.73
✓	128	565.26	564.25
✓	129	565.32	564.31
✓	133	567.77	566.76
✓	134	568.04	567.04
✓	136	570.40	569.40
✓	141	574.67	573.66
✓	145	576.95	575.94
✓	147	579.83	578.82
✓	151	581.15	580.15
✓	152	581.28	580.27
✓	153	582.03	581.03
✓	154	582.60	581.60
✓	155	583.22	582.21
✓	164	590.33	589.32
✓	169	593.50	592.49
✓	181	599.36	598.35
✓	186	601.68	600.68
✓	187	601.93	600.92
✓	188	602.26	601.25
✓	189	602.35	601.34
✓	192	603.67	602.67
✓	193	603.93	602.93
✓	209	615.24	614.24
✓	210	615.47	614.47
✓	211	615.67	614.66
✓	212	616.11	615.10
✓	213	616.23	615.22
✓	214	616.50	615.49
✓	215	616.67	615.66
✓	219	618.66	617.66
✓	221	619.30	618.29
✓	222	619.91	618.90
✓	223	620.26	619.26

✓	225	620.97	619.96
✓	228	622.31	621.30
✓	229	622.33	621.32
✓	230	622.42	621.41
✓	231	622.92	621.91
✓	234	624.66	623.65
✓	236	624.81	623.80
✓	238	625.80	624.79
✓	242	627.01	626.01
✓	244	629.61	628.61
✓	254	634.33	633.33
✓	259	638.22	637.21
✓	260	638.41	637.41
✓	264	640.29	639.28
✓	266	640.35	639.35
✓	269	643.00	641.99
✓	271	644.66	643.66
✓	273	646.74	645.73
✓	276	647.90	646.89
✓	279	648.96	647.95
✓	285	650.77	649.76
✓	287	326.10	650.18
✓	288	651.64	650.63
✓	289	652.17	651.16
✓	290	653.86	652.85
✓	293	654.69	653.68
✓	294	654.99	653.98
✓	297	658.30	657.29
✓	306	662.11	661.10
✓	308	663.06	662.05
✓	318	671.19	670.18
✓	319	672.27	671.26
✓	330	677.14	676.13
✓	331	677.29	676.28

✓	332	677.31	676.30
✓	333	677.40	676.39
✓	349	688.44	687.43
✓	351	689.03	688.03
✓	353	689.36	688.35
✓	357	694.37	693.36
✓	360	698.27	697.27
✓	361	699.27	698.27
✓	362	699.30	698.29
✓	371	702.08	701.07
✓	372	702.84	701.83
✓	373	703.98	702.97
✓	376	705.09	704.08
✓	379	706.21	705.21
✓	380	706.59	705.59
✓	382	707.96	706.95
✓	387	710.10	709.09
✓	388	710.90	709.89
✓	389	711.64	710.64
✓	390	712.66	711.65
✓	394	714.76	713.75
✓	395	715.31	714.30
✓	399	718.19	717.18
✓	401	719.01	718.00
✓	402	719.60	718.60
✓	403	719.73	718.72
✓	404	719.81	718.80
✓	406	720.21	719.21
✓	407	722.45	721.44
✓	408	723.76	722.75
✓	410	725.03	724.02
✓	415	726.32	725.31
✓	420	731.09	730.09
✓	421	731.12	730.12

✓	425	732.30	731.29
✓	427	733.26	732.26
✓	430	735.37	734.36
✓	431	737.39	736.39
✓	434	739.04	738.03
✓	437	739.61	738.60
✓	438	740.60	739.59
✓	439	741.23	740.23
✓	441	743.70	742.69
✓	442	743.95	742.95
✓	446	746.31	745.30
✓	447	746.38	745.38
✓	450	751.71	750.70
✓	455	755.94	754.93
✓	458	757.61	756.61
✓	459	757.81	756.81
✓	460	757.92	756.91
✓	463	760.50	759.49
✓	465	761.36	760.36
✓	468	763.83	762.82
✓	469	763.86	762.85
✓	473	764.33	763.32
✓	474	764.68	763.67
✓	475	765.04	764.04
✓	480	766.77	765.76
✓	482	767.14	766.14
✓	483	767.91	766.90
✓	484	768.85	767.84
✓	486	769.30	768.29
✓	487	769.88	768.87
✓	488	770.88	769.87
✓	489	771.10	770.09
✓	490	771.29	770.29
✓	493	772.39	771.39

✓	495	773.28	772.27
✓	496	774.33	773.32
✓	498	774.52	773.51
✓	504	779.23	778.23
✓	505	779.51	778.50
✓	506	780.40	779.40
✓	508	781.09	780.08
✓	509	784.19	783.18
✓	510	784.94	783.93
✓	511	785.10	784.09
✓	513	785.69	784.69
✓	517	788.74	787.73
✓	518	789.29	788.29
✓	520	789.84	788.83
✓	522	791.65	790.64
✓	523	792.47	791.47
✓	525	793.09	792.08
✓	527	793.90	792.89
✓	528	793.94	792.93
✓	531	794.85	793.85
✓	535	796.39	795.39
✓	538	796.52	795.52
✓	539	398.86	795.71
✓	540	796.89	795.88
✓	543	798.76	797.76
✓	544	799.15	798.14
✓	545	799.85	798.84
✓	549	800.44	799.43
✓	550	801.70	800.69
✓	551	802.66	801.66
✓	558	805.22	804.21
✓	560	805.82	804.81
✓	562	807.35	806.34
✓	566	808.38	807.38

✓	567	808.91	807.91
✓	568	809.02	808.01
✓	572	811.18	810.18
✓	574	812.42	811.42
✓	575	812.57	811.56
✓	578	813.39	812.39
✓	579	813.49	812.48
✓	582	814.76	813.75
✓	583	814.97	813.96
✓	586	817.42	816.41
✓	590	820.57	819.56
✓	592	821.60	820.59
✓	594	822.01	821.00
✓	596	412.02	822.03
✓	598	824.33	823.32
✓	600	824.67	823.66
✓	607	828.48	827.47
✓	608	829.08	828.07
✓	609	830.26	829.25
✓	611	831.18	830.17
✓	614	832.25	831.24
✓	618	836.75	835.74
✓	621	838.15	837.14
✓	622	838.37	837.36
✓	628	840.47	839.46
✓	633	842.26	841.25
✓	636	842.50	841.49
✓	638	844.04	843.03
✓	641	845.81	844.80
✓	642	845.88	844.87
✓	643	845.93	844.92
✓	650	848.09	847.08
✓	652	848.71	847.70
✓	654	849.36	848.35

✓	655	849.45	848.44
✓	658	850.70	849.69
✓	660	851.40	850.40
✓	661	851.74	850.73
✓	664	851.97	850.96
✓	665	852.02	851.01
✓	667	427.24	852.46
✓	670	855.06	854.06
✓	673	858.37	857.36
✓	676	860.14	859.13
✓	680	860.92	859.91
✓	682	863.16	862.16
✓	683	864.12	863.11
✓	685	867.90	866.89
✓	686	434.87	867.72
✓	688	868.90	867.89
✓	689	869.28	868.27
✓	690	869.95	868.95
✓	691	870.01	869.00
✓	694	872.60	871.59
✓	697	873.18	872.17
✓	698	873.76	872.75
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✓	2152	1065.43	2128.86
✓	2153	710.70	2129.07
✓	2154	1069.40	2136.79
✓	2155	1069.88	2137.74
✓	2159	1072.96	2143.90
✓	2161	1075.69	2149.36
✓	2162	1075.83	2149.64
✓	2165	1077.98	2153.94
✓	2166	1078.99	2155.97
✓	2168	1082.59	2163.16
✓	2179	1087.19	2172.37
✓	2180	725.31	2172.90
✓	2181	725.90	2174.68
✓	2183	1089.13	2176.25
✓	2184	1089.14	2176.28
✓	2186	1089.26	2176.50
✓	2190	1093.53	2185.04
✓	2191	729.43	2185.26
✓	2195	1097.89	2193.77
✓	2196	1098.33	2194.64
✓	2198	1103.03	2204.04
✓	2199	1103.13	2204.24
✓	2200	1105.52	2209.02
✓	2201	1105.83	2209.65
✓	2205	1108.33	2214.64
✓	2206	1109.71	2217.40
✓	2207	1111.05	2220.09
✓	2210	1115.22	2228.43
✓	2211	1115.51	2229.00
✓	2212	1116.93	2231.85

✓ 2213	1117.54	2233.07
✓ 2214	1117.58	2233.14
✓ 2217	1126.00	2249.99
✓ 2221	1127.28	2252.55
✓ 2223	752.17	2253.49
✓ 2225	1128.67	2255.32
✓ 2227	1129.28	2256.55
✓ 2228	755.16	2262.45
✓ 2229	1135.87	2269.73
✓ 2230	1137.86	2273.70
✓ 2237	1144.82	2287.62
✓ 2240	1148.96	2295.91
✓ 2244	1151.12	2300.23
✓ 2245	768.72	2303.15
✓ 2246	1154.25	2306.48
✓ 2248	770.70	2309.09
✓ 2249	1155.61	2309.21
✓ 2250	1156.97	2311.92
✓ 2252	1157.44	2312.87
✓ 2253	772.17	2313.50
✓ 2256	1160.61	2319.21
✓ 2260	1165.93	2329.84
✓ 2264	1171.13	2340.24
✓ 2265	1172.79	2343.56
✓ 2266	782.98	2345.91
✓ 2267	1174.36	2346.71
✓ 2268	783.25	2346.73
✓ 2270	1177.84	2353.67
✓ 2273	786.49	2356.45
✓ 2275	789.11	2364.30
✓ 2276	1185.62	2369.23
✓ 2277	1185.64	2369.26
✓ 2278	1188.06	2374.11
✓ 2281	793.00	2375.99

✓ 2284	1190.40	2378.79
✓ 2289	797.43	2389.27
✓ 2295	1207.37	2412.73
✓ 2299	807.88	2420.62
✓ 2302	813.32	2436.94
✓ 2306	1232.67	2463.34
✓ 2311	1241.75	2481.48
✓ 2312	1243.23	2484.45
✓ 2314	830.08	2487.22
✓ 2317	832.87	2495.59
✓ 2319	834.82	2501.42
✓ 2323	836.73	2507.15
✓ 2326	840.12	2517.34
✓ 2327	841.98	2522.93
✓ 2332	1267.84	2533.67
✓ 2334	848.79	2543.35
✓ 2337	853.09	2556.26
✓ 2338	854.36	2560.07
✓ 2340	862.49	2584.43
✓ 2345	868.92	2603.73
✓ 2348	875.52	2623.54
✓ 2349	876.09	2625.26
✓ 2351	879.59	2635.74
✓ 2353	882.05	2643.13
✓ 2354	1322.73	2643.46
✓ 2355	882.31	2643.90
✓ 2356	883.53	2647.58
✓ 2357	886.45	2656.32
✓ 2358	887.99	2660.93
✓ 2359	893.48	2677.41
✓ 2360	894.53	2680.57
✓ 2361	897.19	2688.54
✓ 2362	897.75	2690.22
✓ 2363	899.99	2696.95

✓ 2368	904.77	2711.29
✓ 2374	913.69	2738.04
✓ 2376	915.54	2743.61
✓ 2377	916.75	2747.23
✓ 2380	924.00	2768.97
✓ 2381	924.54	2770.61
✓ 2382	925.01	2772.02
✓ 2384	936.53	2806.57
✓ 2386	939.35	2815.01
✓ 2389	947.28	2838.81
✓ 2390	948.60	2842.76
✓ 2391	950.25	2847.72
✓ 2394	960.77	2879.29
✓ 2401	984.54	2950.60
✓ 2402	984.91	2951.70
✓ 2404	987.64	2959.91
✓ 2405	988.24	2961.69
✓ 2406	990.40	2968.19
✓ 2407	991.13	2970.37
✓ 2408	991.78	2972.31
✓ 2411	1005.02	3012.03
✓ 2412	1005.40	3013.19
✓ 2413	1008.35	3022.02
✓ 2414	1008.38	3022.12
✓ 2415	1010.57	3028.68
✓ 2416	1011.86	3032.55
✓ 2417	1012.45	3034.31
✓ 2418	1012.67	3035.00
✓ 2420	1015.59	3043.75
✓ 2421	1016.85	3047.54
✓ 2424	1025.18	3072.53
✓ 2427	1029.55	3085.63
✓ 2428	1030.55	3088.62
✓ 2432	1040.96	3119.86

✓	2433	1043.14	3126.39
✓	2436	1046.79	3137.36
✓	2439	1048.94	3143.79
✓	2440	1052.27	3153.79
✓	2443	1061.11	3180.31
✓	2444	1061.84	3182.50
✓	2446	1063.77	3188.29
✓	2448	1065.96	3194.87
✓	2449	1071.21	3210.62
✓	2450	1072.35	3214.04
✓	2453	1078.21	3231.61
✓	2457	1090.06	3267.16
✓	2459	1091.58	3271.72
✓	2461	1096.38	3286.11
✓	2463	1099.17	3294.49
✓	2464	1105.07	3312.19
✓	2466	1107.50	3319.49
✓	2467	1107.62	3319.85
✓	2471	1117.10	3348.29
✓	2474	1128.42	3382.25
✓	2478	1139.93	3416.76
✓	2479	1145.89	3434.65
✓	2480	1147.17	3438.48
✓	2485	1163.27	3486.79
✓	2487	1168.26	3501.75
✓	2490	1193.76	3578.26
✓	2492	1209.51	3625.49
✓	2493	1211.92	3632.75
✓	2494	1219.28	3654.81
✓	2495	1221.25	3660.73
✓	2496	1237.57	3709.68
✓	2499	1282.47	3844.39

Search Parameters

Type of search : MS/MS Ion Search
Enzyme : Trypsin
Variable modifications : Carbamidomethyl (C),Oxidation (M)
Mass values : Monoisotopic
Protein Mass : Unrestricted
Peptide Mass Tolerance : ± 0.6 Da
Fragment Mass Tolerance: ± 0.3 Da
Max Missed Cleavages : 2
Instrument type : ESI-TRAP
Number of queries : 2499

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