

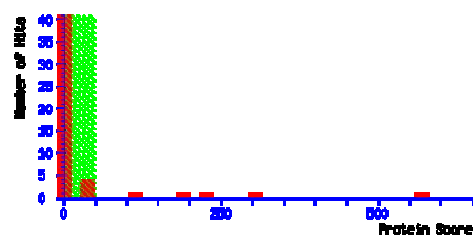


Mascot Search Results

User :
Email :
Search title :
MS data file : DATA.TXT
Database 1 : contaminants 20090624 (262 sequences; 133770 residues)
Database 2 : uniprot_sprot sprot_202104 (565928 sequences; 204173280 residues)
Timestamp : 25 Feb 2022 at 14:17:52 GMT
Protein hits :
[2::IGG1 HUMAN](#) Immunoglobulin gamma-1 heavy chain OS=Homo sapiens OX=9606 PE=1 SV=2
[2::IGHG3 HUMAN](#) Immunoglobulin heavy constant gamma 3 OS=Homo sapiens OX=9606 GN=IGHG3 PE=1 SV=2
[2::IGHG4 HUMAN](#) Immunoglobulin heavy constant gamma 4 OS=Homo sapiens OX=9606 GN=IGHG4 PE=1 SV=1
[2::IGHG2 HUMAN](#) Immunoglobulin heavy constant gamma 2 OS=Homo sapiens OX=9606 GN=IGHG2 PE=1 SV=2
[2::HVC05 HUMAN](#) Immunoglobulin heavy variable 3-30-5 OS=Homo sapiens OX=9606 GN=IGHV3-30-5 PE=3 SV=1
[2::HVMI8 MOUSE](#) Ig heavy chain V regions TEPC 15/S107/HPCM1/HPCM2/HPCM3 OS=Mus musculus OX=10090 PE=1 SV=1
[2::HSP60 SCHPO](#) Heat shock protein 60, mitochondrial OS=Schizosaccharomyces pombe (strain 972 / ATCC 24843) OX=284812 (
[2::IGKC HUMAN](#) Immunoglobulin kappa constant OS=Homo sapiens OX=9606 GN=IGKC PE=1 SV=2
[2::Y1274 KLEP7](#) UFF0283 membrane protein KPN78578_12740 OS=Klebsiella pneumoniae subsp. pneumoniae (strain ATCC 700721

Mascot Score Histogram

Ions score is $-10 \cdot \log(P)$, where P is the probability that the observed match is a random event.
Individual ions scores > 49 indicate identity or extensive homology ($p < 0.05$).
Protein scores are derived from ions scores as a non-probabilistic basis for ranking protein hits.



Peptide Summary Report

Format As [Help](#)

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

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

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

☐ Error tolerant

1. [2::IGG1 HUMAN](#) Mass: 49925 Score: 569 Matches: 50(14) Sequences: 14(6) emPAI: 1.15
Immunoglobulin gamma-1 heavy chain OS=Homo sapiens OX=9606 PE=1 SV=2
☐ Check to include this hit in error tolerant search or archive report

	Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Unique	Peptide
<input checked="" type="checkbox"/>	381	581.9700	1161.9254	1160.6223	1.3031	0	(69)	0.00051	1		K.NQVSLTCLVK.G
<input checked="" type="checkbox"/>	382	581.9800	1161.9454	1160.6223	1.3231	0	91	3.1e-006	1		K.NQVSLTCLVK.G
<input checked="" type="checkbox"/>	383	581.9800	1161.9454	1160.6223	1.3231	0	(47)	0.089	1		K.NQVSLTCLVK.G
<input checked="" type="checkbox"/>	384	581.9800	1161.9454	1160.6223	1.3231	0	(45)	0.13	1		K.NQVSLTCLVK.G
<input checked="" type="checkbox"/>	385	581.9900	1161.9654	1160.6223	1.3431	0	(67)	0.00089	1		K.NQVSLTCLVK.G
<input checked="" type="checkbox"/>	401	593.7200	1185.4254	1185.6394	-0.2139	0	(23)	23	1	U	K.GPSVFPLAPSSK.S
<input checked="" type="checkbox"/>	402	594.2700	1186.5254	1185.6394	0.8861	0	(44)	0.2	1	U	K.GPSVFPLAPSSK.S
<input checked="" type="checkbox"/>	403	594.2800	1186.5454	1185.6394	0.9061	0	49	0.072	1	U	K.GPSVFPLAPSSK.S
<input checked="" type="checkbox"/>	404	594.2900	1186.5654	1185.6394	0.9261	0	(32)	3.6	1	U	K.GPSVFPLAPSSK.S
<input checked="" type="checkbox"/>	471	643.7700	1285.5254	1285.6666	-0.1412	0	(16)	1.2e+002	4		R.EPQVYTLPPSR.D
<input checked="" type="checkbox"/>	472	643.7800	1285.5454	1285.6666	-0.1212	0	30	5.7	2		R.EPQVYTLPPSR.D
<input checked="" type="checkbox"/>	506	661.2600	1320.5054	1320.6708	-0.1653	0	(62)	0.0027	1		K.STSGGTAALGCLVK.D
<input checked="" type="checkbox"/>	507	661.2700	1320.5254	1320.6708	-0.1453	0	116	1.1e-008	1		K.STSGGTAALGCLVK.D
<input checked="" type="checkbox"/>	508	661.2900	1320.5654	1320.6708	-0.1053	0	(62)	0.0032	1		K.STSGGTAALGCLVK.D
<input checked="" type="checkbox"/>	635	839.3800	1676.7454	1676.7947	-0.0493	0	(63)	0.0025	1	U	K.FNWWYDGVVEVHNAK.T
<input checked="" type="checkbox"/>	636	839.3800	1676.7454	1676.7947	-0.0493	0	82	2.7e-005	1	U	K.FNWWYDGVVEVHNAK.T
<input checked="" type="checkbox"/>	705	904.5000	1806.9854	1806.9992	-0.0138	0	(63)	0.0024	1		R.VVSVLTVLHQDWLNGK.E
<input checked="" type="checkbox"/>	707	603.6400	1807.8982	1806.9992	0.8989	0	(50)	0.046	1		R.VVSVLTVLHQDWLNGK.E
<input checked="" type="checkbox"/>	708	904.9600	1807.9054	1806.9992	0.9062	0	88	7.2e-006	1		R.VVSVLTVLHQDWLNGK.E
<input checked="" type="checkbox"/>	709	904.9800	1807.9454	1806.9992	0.9462	0	(23)	21	1		R.VVSVLTVLHQDWLNGK.E
<input checked="" type="checkbox"/>	710	603.9500	1808.8282	1806.9992	1.8289	0	(23)	20	1		R.VVSVLTVLHQDWLNGK.E
<input checked="" type="checkbox"/>	713	603.9700	1808.8882	1806.9992	1.8889	0	(29)	4.9	1		R.VVSVLTVLHQDWLNGK.E
<input checked="" type="checkbox"/>	714	603.9700	1808.8882	1806.9992	1.8889	0	(14)	1.9e+002	3		R.VVSVLTVLHQDWLNGK.E
<input checked="" type="checkbox"/>	715	603.9700	1808.8882	1806.9992	1.8889	0	(25)	15	1		R.VVSVLTVLHQDWLNGK.E
<input checked="" type="checkbox"/>	716	603.9700	1808.8882	1806.9992	1.8889	0	(20)	41	2		R.VVSVLTVLHQDWLNGK.E
<input checked="" type="checkbox"/>	717	603.9800	1808.9182	1806.9992	1.9189	0	(13)	2.4e+002	7		R.VVSVLTVLHQDWLNGK.E
<input checked="" type="checkbox"/>	753	624.9300	1871.7682	1871.9629	-0.1947	1	22	26	1	U	R.EPQVYTLPPSRDELTK.N
<input checked="" type="checkbox"/>	754	624.9400	1871.7982	1871.9629	-0.1647	1	(11)	2.9e+002	6	U	R.EPQVYTLPPSRDELTK.N
<input checked="" type="checkbox"/>	757	624.9600	1871.8582	1872.9146	-1.0564	0	(8)	7.2e+002	4	U	K.TTPPVLDSDGSFFLYSK.L
<input checked="" type="checkbox"/>	758	625.2700	1872.7882	1872.9146	-0.1264	0	(30)	4	1	U	K.TTPPVLDSDGSFFLYSK.L
<input checked="" type="checkbox"/>	759	625.2700	1872.7882	1872.9146	-0.1264	0	(36)	1.1	1	U	K.TTPPVLDSDGSFFLYSK.L
<input checked="" type="checkbox"/>	760	625.2800	1872.8182	1872.9146	-0.0964	0	(39)	0.58	1	U	K.TTPPVLDSDGSFFLYSK.L

<input checked="" type="checkbox"/>	761	937.4200	1872.8254	1872.9146	-0.0891	0	(80)	3.9e-005	1	U	K.TTPPVLDSDGSFFLYSK.L
<input checked="" type="checkbox"/>	762	937.4200	1872.8254	1872.9146	-0.0891	0	83	2.4e-005	1	U	K.TTPPVLDSDGSFFLYSK.L
<input checked="" type="checkbox"/>	763	937.4400	1872.8654	1872.9146	-0.0491	0	(26)	12	1	U	K.TTPPVLDSDGSFFLYSK.L
<input checked="" type="checkbox"/>	867	713.6300	2137.8682	2138.0202	-0.1520	0	(12)	2.2e+002	1	U	R.TPEVTCVVVDVSHEDPEVK.F
<input checked="" type="checkbox"/>	868	713.6400	2137.8982	2138.0202	-0.1220	0	(28)	5.4	1	U	R.TPEVTCVVVDVSHEDPEVK.F
<input checked="" type="checkbox"/>	869	713.6400	2137.8982	2138.0202	-0.1220	0	43	0.16	1	U	R.TPEVTCVVVDVSHEDPEVK.F
<input checked="" type="checkbox"/>	901	743.2900	2226.8482	2227.2001	-0.3519	1	14	1.2e+002	1		R.VVSVLTVLHQDWLNGKEYK.C
	1055	701.0000	2799.9709	2800.2598	-0.2889	0	(7)	4.5e+002	4		R.WQQGNVFSQSVMEALHNHYTQK.S
	1057	701.0100	2800.0109	2800.2598	-0.2489	0	10	2.7e+002	3		R.WQQGNVFSQSVMEALHNHYTQK.S
<input checked="" type="checkbox"/>	1068	948.4700	2842.3882	2843.4503	-1.0621	0	34	1.2	1	U	K.THTCPPCPAPELLGGPSVFLFPPKPK.D
<input checked="" type="checkbox"/>	1070	711.8300	2843.2909	2843.4503	-0.1594	0	(21)	23	1	U	K.THTCPPCPAPELLGGPSVFLFPPKPK.D
<input checked="" type="checkbox"/>	1071	711.8300	2843.2909	2843.4503	-0.1594	0	(26)	8	1	U	K.THTCPPCPAPELLGGPSVFLFPPKPK.D
<input checked="" type="checkbox"/>	1072	711.9100	2843.6109	2843.4503	-0.1606	0	(13)	1.4e+002	1	U	K.THTCPPCPAPELLGGPSVFLFPPKPK.D
<input checked="" type="checkbox"/>	1074	949.1200	2844.3382	2843.4503	0.8879	0	(11)	2.6e+002	1	U	K.THTCPPCPAPELLGGPSVFLFPPKPK.D
<input checked="" type="checkbox"/>	1163	667.8700	3334.3136	3333.6349	0.6787	1	(13)	1e+002	1	U	K.SCDKTHTCPPCPAPELLGGPSVFLFPPKPK.D
<input checked="" type="checkbox"/>	1164	834.8600	3335.4109	3333.6349	1.7760	1	50	0.024	1	U	K.SCDKTHTCPPCPAPELLGGPSVFLFPPKPK.D
<input checked="" type="checkbox"/>	1197	950.4500	3797.7709	3796.8043	0.9666	1	(10)	1.7e+002	1	U	R.TPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAK.T
<input checked="" type="checkbox"/>	1198	950.7000	3798.7709	3796.8043	1.9666	1	23	9.7	1	U	R.TPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAK.T

Proteins matching the same set of peptides:

2::IGHG1 HUMAN Mass: 36596 Score: 569 Matches: 50(14) Sequences: 14(6)

Immunoglobulin heavy constant gamma 1 OS=Homo sapiens OX=9606 GN=IGHG1 PE=1 SV=1

2. [2::IGHG3 HUMAN](#) Mass: 42287 Score: 322 Matches: 28(9) Sequences: 7(3) emPAI: 0.46
Immunoglobulin heavy constant gamma 3 OS=Homo sapiens OX=9606 GN=IGHG3 PE=1 SV=2

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

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Unique	Peptide
381	581.9700	1161.9254	1160.6223	1.3031	0	(69)	0.00051	1		K.NQVSLTCLVK.G
382	581.9800	1161.9454	1160.6223	1.3231	0	91	3.1e-006	1		K.NQVSLTCLVK.G
383	581.9800	1161.9454	1160.6223	1.3231	0	(47)	0.089	1		K.NQVSLTCLVK.G
384	581.9800	1161.9454	1160.6223	1.3231	0	(45)	0.13	1		K.NQVSLTCLVK.G
385	581.9900	1161.9654	1160.6223	1.3431	0	(67)	0.00089	1		K.NQVSLTCLVK.G
471	643.7700	1285.5254	1285.6666	-0.1412	0	(67)	1.2e+002	4		R.EPQVYTLPPSR.E
472	643.7800	1285.5454	1285.6666	-0.1212	0	30	5.7	2		R.EPQVYTLPPSR.E
<input checked="" type="checkbox"/>	474	644.2500	1286.4854	1286.6442	-0.1587	0	46	0.12	1	K.GPSVFPLAPCSR.S
<input checked="" type="checkbox"/>	476	644.2700	1286.5254	1286.6442	-0.1187	0	(39)	0.62	1	K.GPSVFPLAPCSR.S
<input checked="" type="checkbox"/>	477	644.2700	1286.5254	1286.6442	-0.1187	0	(24)	21	1	K.GPSVFPLAPCSR.S
506	661.2600	1320.5054	1320.6708	-0.1653	0	(62)	0.0027	1		R.STSGGTAALGCLVK.D
507	661.2700	1320.5254	1320.6708	-0.1453	0	116	1.1e-008	1		R.STSGGTAALGCLVK.D
508	661.2900	1320.5654	1320.6708	-0.1053	0	(62)	0.0032	1		R.STSGGTAALGCLVK.D
705	904.5000	1806.9854	1806.9992	-0.0138	0	(63)	0.0024	1		R.VVSVLTVLHQDWLNGK.E
707	603.6400	1807.8982	1806.9992	0.8989	0	(50)	0.046	1		R.VVSVLTVLHQDWLNGK.E
708	904.9600	1807.9054	1806.9992	0.9062	0	88	7.2e-006	1		R.VVSVLTVLHQDWLNGK.E
709	904.9800	1807.9454	1806.9992	0.9462	0	(23)	21	1		R.VVSVLTVLHQDWLNGK.E
710	603.9500	1808.8282	1806.9992	1.8289	0	(23)	20	1		R.VVSVLTVLHQDWLNGK.E
713	603.9700	1808.8882	1806.9992	1.8889	0	(29)	4.9	1		R.VVSVLTVLHQDWLNGK.E
714	603.9700	1808.8882	1806.9992	1.8889	0	(14)	1.9e+002	3		R.VVSVLTVLHQDWLNGK.E
715	603.9700	1808.8882	1806.9992	1.8889	0	(25)	15	1		R.VVSVLTVLHQDWLNGK.E
716	603.9700	1808.8882	1806.9992	1.8889	0	(20)	41	2		R.VVSVLTVLHQDWLNGK.E
717	603.9800	1808.9182	1806.9992	1.9189	0	(13)	2.4e+002	7		R.VVSVLTVLHQDWLNGK.E
<input checked="" type="checkbox"/>	777	635.5700	1903.6882	1903.9349	-0.2468	1	(18)	48	1	R.EPQVYTLPPSREEMTK.N
778	635.5800	1903.7182	1903.9349	-0.2168	1	(15)	1.2e+002	3		R.EPQVYTLPPSREEMTK.N
<input checked="" type="checkbox"/>	796	640.9200	1919.7382	1919.9299	-0.1917	1	20	34	1	R.EPQVYTLPPSREEMTK.N + Oxidation (M)
<input checked="" type="checkbox"/>	797	640.9300	1919.7682	1919.9299	-0.1617	1	(17)	80	1	R.EPQVYTLPPSREEMTK.N + Oxidation (M)
901	743.2900	2226.8482	2227.2001	-0.3519	1	14	1.2e+002	1		R.VVSVLTVLHQDWLNGKEYK.C

3. [2::IGHG4 HUMAN](#) Mass: 36431 Score: 230 Matches: 21(7) Sequences: 5(3) emPAI: 0.55
Immunoglobulin heavy constant gamma 4 OS=Homo sapiens OX=9606 GN=IGHG4 PE=1 SV=1

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

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Unique	Peptide
381	581.9700	1161.9254	1160.6223	1.3031	0	(69)	0.00051	1		K.NQVSLTCLVK.G
382	581.9800	1161.9454	1160.6223	1.3231	0	91	3.1e-006	1		K.NQVSLTCLVK.G
383	581.9800	1161.9454	1160.6223	1.3231	0	(47)	0.089	1		K.NQVSLTCLVK.G
384	581.9800	1161.9454	1160.6223	1.3231	0	(45)	0.13	1		K.NQVSLTCLVK.G
385	581.9900	1161.9654	1160.6223	1.3431	0	(67)	0.00089	1		K.NQVSLTCLVK.G
474	644.2500	1286.4854	1286.6442	-0.1587	0	46	0.12	1		K.GPSVFPLAPCSR.S
476	644.2700	1286.5254	1286.6442	-0.1187	0	(39)	0.62	1		K.GPSVFPLAPCSR.S
477	644.2700	1286.5254	1286.6442	-0.1187	0	(24)	21	1		K.GPSVFPLAPCSR.S
<input checked="" type="checkbox"/>	553	712.2900	1422.5654	1422.7024	-0.1370	0	63	0.0024	1	R.STSESTAALGCLVK.D
554	712.3000	1422.5854	1422.7024	-0.1170	0	(16)	1e+002	4		R.STSESTAALGCLVK.D
705	904.5000	1806.9854	1806.9992	-0.0138	0	(63)	0.0024	1		R.VVSVLTVLHQDWLNGK.E
707	603.6400	1807.8982	1806.9992	0.8989	0	(50)	0.046	1		R.VVSVLTVLHQDWLNGK.E
708	904.9600	1807.9054	1806.9992	0.9062	0	88	7.2e-006	1		R.VVSVLTVLHQDWLNGK.E
709	904.9800	1807.9454	1806.9992	0.9462	0	(23)	21	1		R.VVSVLTVLHQDWLNGK.E
710	603.9500	1808.8282	1806.9992	1.8289	0	(23)	20	1		R.VVSVLTVLHQDWLNGK.E
713	603.9700	1808.8882	1806.9992	1.8889	0	(29)	4.9	1		R.VVSVLTVLHQDWLNGK.E
714	603.9700	1808.8882	1806.9992	1.8889	0	(14)	1.9e+002	3		R.VVSVLTVLHQDWLNGK.E
715	603.9700	1808.8882	1806.9992	1.8889	0	(25)	15	1		R.VVSVLTVLHQDWLNGK.E
716	603.9700	1808.8882	1806.9992	1.8889	0	(20)	41	2		R.VVSVLTVLHQDWLNGK.E
717	603.9800	1808.9182	1806.9992	1.9189	0	(13)	2.4e+002	7		R.VVSVLTVLHQDWLNGK.E
901	743.2900	2226.8482	2227.2001	-0.3519	1	14	1.2e+002	1		R.VVSVLTVLHQDWLNGKEYK.C

4. [2::IGHG2 HUMAN](#) Mass: 36505 Score: 200 Matches: 30(5) Sequences: 11(3) emPAI: 1.00

Immunoglobulin heavy constant gamma 2 OS=Homo sapiens OX=9606 GN=IGHG2 PE=1 SV=2

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

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Unique	Peptide
381	581.9700	1161.9254	1160.6223	1.3031	0	(69)	0.00051	1		K.NQVSLTCLVK.G
382	581.9800	1161.9454	1160.6223	1.3231	0	91	3.1e-006	1		K.NQVSLTCLVK.G
383	581.9800	1161.9454	1160.6223	1.3231	0	(47)	0.089	1		K.NQVSLTCLVK.G
384	581.9800	1161.9454	1160.6223	1.3231	0	(45)	0.13	1		K.NQVSLTCLVK.G
385	581.9900	1161.9654	1160.6223	1.3431	0	(67)	0.00089	1		K.NQVSLTCLVK.G
471	643.7700	1285.5254	1285.6666	-0.1412	0	(16)	1.2e+002	4		R.EPQVYTLPPSR.E
472	643.7800	1285.5454	1285.6666	-0.1212	0	30	5.7	2		R.EPQVYTLPPSR.E
474	644.2500	1286.4854	1286.6442	-0.1587	0	46	0.12	1		K.GPSVFPLAPCSR.S
476	644.2700	1286.5254	1286.6442	-0.1187	0	(39)	0.62	1		K.GPSVFPLAPCSR.S
477	644.2700	1286.5254	1286.6442	-0.1187	0	(24)	21	1		K.GPSVFPLAPCSR.S
553	712.2900	1422.5654	1422.7024	-0.1370	0	63	0.0024	1		R.STSESTAALGCLVK.D
554	712.3000	1422.5854	1422.7024	-0.1170	0	(16)	1e+002	4		R.STSESTAALGCLVK.D
<input checked="" type="checkbox"/> 689	897.9600	1793.9054	1792.9836	0.9219	0	(29)	6	1	U	R.VVSVLTVVHQDMLNGK.E
<input checked="" type="checkbox"/> 690	599.0200	1794.0382	1792.9836	1.0546	0	40	0.44	1	U	R.VVSVLTVVHQDMLNGK.E
<input checked="" type="checkbox"/> 691	599.0300	1794.0682	1792.9836	1.0846	0	(27)	8.2	1	U	R.VVSVLTVVHQDMLNGK.E
698	599.3800	1795.1182	1792.9836	2.1346	0	(7)	8.1e+002	4	U	R.VVSVLTVVHQDMLNGK.E
777	635.5700	1903.6882	1903.9349	-0.2468	1	(18)	48	1		R.EPQVYTLPPSREEMTK.N
778	635.5800	1903.7182	1903.9349	-0.2168	1	(15)	1.2e+002	3		R.EPQVYTLPPSREEMTK.N
<input checked="" type="checkbox"/> 780	635.9300	1904.7682	1904.8866	-0.1185	0	(19)	44	1	U	K.TTPPMLSDSGSFFLYSK.L
<input checked="" type="checkbox"/> 782	953.4300	1904.8454	1904.8866	-0.0412	0	56	0.011	1	U	K.TTPPMLSDSGSFFLYSK.L
796	640.9200	1919.7382	1919.9299	-0.1917	1	20	34	1		R.EPQVYTLPPSREEMTK.N + Oxidation (M)
797	640.9300	1919.7682	1919.9299	-0.1617	1	(17)	80	1		R.EPQVYTLPPSREEMTK.N + Oxidation (M)
1055	701.0000	2799.9709	2800.2598	-0.2889	0	(7)	4.5e+002	4		R.WQGNVFSQVMHEALHNHYTK.S
1057	701.0100	2800.0109	2800.2598	-0.2489	0	10	2.7e+002	3		R.WQGNVFSQVMHEALHNHYTK.S
<input checked="" type="checkbox"/> 1109	728.3100	2909.2109	2907.3944	1.8165	0	(10)	2.5e+002	1	U	K.CCVECPCPAPPVAGPSVFLFPPKPK.D
<input checked="" type="checkbox"/> 1110	970.8000	2909.3782	2907.3944	1.9837	0	43	0.16	1	U	K.CCVECPCPAPPVAGPSVFLFPPKPK.D
<input checked="" type="checkbox"/> 1139	759.8200	3035.2509	3035.4894	-0.2385	1	(13)	1.1e+002	1	U	R.KCCVECPCPAPPVAGPSVFLFPPKPK.D
<input checked="" type="checkbox"/> 1140	760.3200	3037.2509	3035.4894	1.7615	1	16	62	1	U	R.KCCVECPCPAPPVAGPSVFLFPPKPK.D
1197	950.4500	3797.7709	3796.7680	1.0029	0	(10)	1.7e+002	1	U	R.TPEVTCVVVDVSHEDPEVFQFNWYVDGVEVHNAK.T
1198	950.7000	3798.7709	3796.7680	2.0029	0	23	9.7	1	U	R.TPEVTCVVVDVSHEDPEVFQFNWYVDGVEVHNAK.T

5. [2::HVC05_HUMAN](#) Mass: 13110 Score: 111 Matches: 5(4) Sequences: 2(2) emPAI: 0.59

Immunoglobulin heavy variable 3-30-5 OS=Homo sapiens OX=9606 GN=IGHV3-30-5 PE=3 SV=1

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

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Unique	Peptide
<input checked="" type="checkbox"/> 478	645.7200	1289.4254	1289.5598	-0.1343	0	(55)	0.015	1	U	R.AEDTAVYYCAK.-
<input checked="" type="checkbox"/> 479	645.7500	1289.4854	1289.5598	-0.0743	0	71	0.00035	1	U	R.AEDTAVYYCAK.-
<input checked="" type="checkbox"/> 532	676.7700	1351.5254	1351.6918	-0.1663	0	(54)	0.016	1	U	K.NTLYLQMNSLR.A
<input checked="" type="checkbox"/> 533	676.7800	1351.5454	1351.6918	-0.1463	0	(19)	57	1	U	K.NTLYLQMNSLR.A
<input checked="" type="checkbox"/> 534	676.8000	1351.5854	1351.6918	-0.1063	0	69	0.00052	1	U	K.NTLYLQMNSLR.A

Proteins matching the same set of peptides:

[2::HV323_HUMAN](#) Mass: 12745 Score: 111 Matches: 5(4) Sequences: 2(2)

Immunoglobulin heavy variable 3-23 OS=Homo sapiens OX=9606 GN=IGHV3-23 PE=1 SV=2

[2::HV330_HUMAN](#) Mass: 13110 Score: 111 Matches: 5(4) Sequences: 2(2)

Immunoglobulin heavy variable 3-30 OS=Homo sapiens OX=9606 GN=IGHV3-30 PE=1 SV=2

6. [2::HVM18_MOUSE](#) Mass: 13883 Score: 52 Matches: 1(1) Sequences: 1(1) emPAI: 0.25

Ig heavy chain V regions TPEC 15/S107/HPCM1/HPCM2/HPCM3 OS=Mus musculus OX=10090 PE=1 SV=1

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

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Unique	Peptide
<input checked="" type="checkbox"/> 515	666.7300	1331.4454	1331.5816	-0.1361	0	52	0.025	1	U	R.AEDTAIYYCAR.D

Proteins matching the same set of peptides:

[2::HVM19_MOUSE](#) Mass: 13910 Score: 52 Matches: 1(1) Sequences: 1(1)

Ig heavy chain V region H8 OS=Mus musculus OX=10090 PE=1 SV=1

[2::HVM20_MOUSE](#) Mass: 13732 Score: 52 Matches: 1(1) Sequences: 1(1)

Ig heavy chain V region M603 OS=Mus musculus OX=10090 PE=1 SV=1

[2::HVM21_MOUSE](#) Mass: 13758 Score: 52 Matches: 1(1) Sequences: 1(1)

Ig heavy chain V region M511 OS=Mus musculus OX=10090 PE=1 SV=1

[2::HVM22_MOUSE](#) Mass: 14001 Score: 52 Matches: 1(1) Sequences: 1(1)

Ig heavy chain V region HPCM6 OS=Mus musculus OX=10090 PE=1 SV=1

[2::HVM23_MOUSE](#) Mass: 13985 Score: 52 Matches: 1(1) Sequences: 1(1)

Ig heavy chain V region HPCG8 OS=Mus musculus OX=10090 PE=1 SV=1

[2::HVM24_MOUSE](#) Mass: 13914 Score: 52 Matches: 1(1) Sequences: 1(1)

Ig heavy chain V region HPCG13 OS=Mus musculus OX=10090 PE=1 SV=1

[2::HVM25_MOUSE](#) Mass: 13913 Score: 52 Matches: 1(1) Sequences: 1(1)

Ig heavy chain V region HPCG14 OS=Mus musculus OX=10090 PE=1 SV=1

7. [2::HSP60_SCHPO](#) Mass: 62414 Score: 29 Matches: 1(0) Sequences: 1(0) emPAI: 0.05

Heat shock protein 60, mitochondrial OS=Schizosaccharomyces pombe (strain 972 / ATCC 24843) OX=284812 GN=hsp60 PE=1 SV=1

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

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Unique	Peptide
<input checked="" type="checkbox"/> 410	600.6300	1199.2454	1198.6016	0.6438	0	29	4.9	1	U	-..MVSFLLSSVSRL

8. [2::IGKC_HUMAN](#) Mass: 11929 Score: 24 Matches: 1(0) Sequences: 1(0) emPAI: 0.29

Immunoglobulin kappa constant OS=Homo sapiens OX=9606 GN=IGKC PE=1 SV=2

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

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Unique	Peptide
<input checked="" type="checkbox"/> 765	625.9600	1874.8582	1874.9197	-0.0615	0	24	18	1	U	K.VYACEVTHQQLSSPVTK.S

Proteins matching the same set of peptides:

[2::IGK_HUMAN](#) Mass: 23650 Score: 24 Matches: 1(0) Sequences: 1(0)
Immunoglobulin kappa light chain OS=Homo sapiens OX=9606 PE=1 SV=1

9. [2::Y1274_KLEP7](#) Mass: 39267 Score: 21 Matches: 1(0) Sequences: 1(0) emPAI: 0.08
UPF0283 membrane protein KPN78578_12740 OS=Klebsiella pneumoniae subsp. pneumoniae (strain ATCC 700721 / MGH 78578) OX=272620 GN=

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

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Unique	Peptide
<input checked="" type="checkbox"/> 343	555.3400	1108.6654	1109.5288	-0.8633	0	21	34	1	U	R.DMLSHAVGK.A + Oxidation (M)

Proteins matching the same set of peptides:

[2::Y3110_KLEP3](#) Mass: 39214 Score: 21 Matches: 1(0) Sequences: 1(0)
UPF0283 membrane protein KPK_3110 OS=Klebsiella pneumoniae (strain 342) OX=507522 GN=KPK_3110 PE=3 SV=1

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

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Unique	Peptide
<input checked="" type="checkbox"/> 259	464.3500	926.6854	927.4410	-0.7556	0	38	1.9	1		GHSVTQGDK
<input checked="" type="checkbox"/> 472	643.7800	1285.5454	1283.7999	1.7456	1	33	2.7	1		MIKTLIAPIR + Oxidation (M)
<input checked="" type="checkbox"/> 500	656.7700	1311.5254	1312.6333	-1.1079	0	31	8.1	1		ELVSGSSCYITK
<input checked="" type="checkbox"/> 87	659.7000	658.6927	657.3810	1.3118	0	29	7.6	1		AVAEIR
<input checked="" type="checkbox"/> 890	737.9000	2210.6782	2210.0967	0.5814	0	29	3.8	1		LGEHNIDVLEGNEQFINAAK
<input checked="" type="checkbox"/> 372	575.0900	2296.3309	2295.2222	1.1087	1	28	19	1		ELASGNKLLGEFNLLEGIPPAAR
<input checked="" type="checkbox"/> 90	662.2600	661.2527	662.2806	-1.0279	0	27	13	1		AADACR
<input checked="" type="checkbox"/> 473	643.7800	1285.5454	1286.7016	-1.1562	0	26	12	1		GEIGVIMINVS
<input checked="" type="checkbox"/> 141	376.8800	1503.4909	1501.8325	1.6584	2	26	30	1		KRPATSATGSTAAKR
<input checked="" type="checkbox"/> 719	604.3300	1809.9682	1807.8563	2.1118	0	26	11	1		VVDANHDVDFVYMLR + Oxidation (M)
<input checked="" type="checkbox"/> 832	655.2000	1962.5782	1961.9200	0.6582	2	26	8.4	1		GHTCRISTKLSCHYDK
<input checked="" type="checkbox"/> 1079	570.9300	2849.6136	2849.4343	0.1793	1	26	7.5	1		MNVEMPISIEIFKNDTIALDHYLK + Oxidation (M)
<input checked="" type="checkbox"/> 275	480.9500	959.8854	959.5764	0.3091	2	26	13	1		KATIGKNTK
<input checked="" type="checkbox"/> 1146	613.2700	3061.3136	3061.6237	-0.3101	2	26	6.9	1		GGPATPSPKGAPTTPPAVTPPSPKGSPAATPFPPK
<input checked="" type="checkbox"/> 88	659.7200	658.7127	657.3810	1.3318	0	25	20	1		AVAEIR
<input checked="" type="checkbox"/> 944	571.6600	2282.6109	2281.1314	1.4795	0	24	11	1		QPQLTFFTTITLQTCYQR
<input checked="" type="checkbox"/> 711	603.9600	1808.8582	1807.9581	0.9001	0	24	19	1		VALTLHPAPENSIGISFR
<input checked="" type="checkbox"/> 802	643.2200	1926.6382	1925.0218	1.6164	2	24	14	1		LSDDSQKLAPKANGKEK
<input checked="" type="checkbox"/> 280	486.1000	970.1854	970.5083	-0.3229	0	23	17	1		GLLSPEEAR
<input checked="" type="checkbox"/> 1087	573.6500	2863.2136	2863.4022	-0.1886	1	23	12	1		EGADEIVFLDISATNEGRNTMIDVVR
<input checked="" type="checkbox"/> 222	435.9100	869.8054	868.5382	1.2673	0	23	64	1		ITLLAPNK
<input checked="" type="checkbox"/> 378	580.2800	1158.5454	1159.5873	-1.0419	0	23	30	1		ELVSHLGYDK
<input checked="" type="checkbox"/> 997	627.9900	2507.9309	2508.2568	-0.3259	2	23	15	1		RALEDEVQEKDVLQHSNTELR
<input checked="" type="checkbox"/> 355	568.6600	1702.9582	1703.8631	-0.9049	0	23	63	1		YLSNGAGGLAGAFIHEK
<input checked="" type="checkbox"/> 870	713.6500	2137.9282	2137.1605	0.7676	1	23	20	1		EPFMPSEEHVLVVRLLVK + Oxidation (M)
<input checked="" type="checkbox"/> 71	317.1500	632.2854	633.3333	-1.0479	0	22	47	1		SATVEK
<input checked="" type="checkbox"/> 1054	701.0000	2799.9709	2798.3632	1.6077	1	22	14	1		HLNEQALFAAKAAASVMGMNIFYR + 2 Oxidation (M)
<input checked="" type="checkbox"/> 1080	713.6300	2850.4909	2850.4343	0.0566	1	22	19	1		MVVCDLGNPMVTGTNFSGLGLRFAVPR
<input checked="" type="checkbox"/> 1016	850.7200	2549.1382	2550.1876	-1.0494	1	22	20	1		LGMDDSMPIESGMITRAIENAQR + Oxidation (M)
<input checked="" type="checkbox"/> 924	1130.4600	3388.3582	3387.7604	0.5977	2	22	39	1		VSVMTGTMGMPSISIIYARELIVDYGKTLIR + 2 Oxidation (M)
<input checked="" type="checkbox"/> 963	772.0700	2313.1882	2314.0311	-0.8429	0	22	24	1		DPPPPPSAPMEEEEEDPLPNK
<input checked="" type="checkbox"/> 471	643.7700	1285.5254	1286.6540	-1.1286	0	22	32	1		DQDPILLTMNK
<input checked="" type="checkbox"/> 973	778.7200	2333.1382	2331.2070	1.9311	1	22	25	1		VQPGILPGLDSESASSIRFSK
<input checked="" type="checkbox"/> 360	571.6200	1141.2254	1139.5935	1.6320	0	22	25	1		QTHSVEVAAAK
<input checked="" type="checkbox"/> 182	412.2500	822.4854	823.3858	-0.9003	0	21	1.1e+002	1		MSSAASVR + Oxidation (M)
<input checked="" type="checkbox"/> 353	566.6000	1696.7782	1696.9233	-0.1452	2	21	90	1		QRFASVRHAKPASSR
<input checked="" type="checkbox"/> 716	603.9700	1808.8882	1808.8396	0.0485	2	21	33	1		KADALSMENCKELER + Oxidation (M)
<input checked="" type="checkbox"/> 717	603.9800	1808.9182	1807.9680	0.9502	0	21	34	1		VVVSIGGSVLAPDLDPDR
<input checked="" type="checkbox"/> 693	599.3300	1794.9682	1795.9316	-0.9634	2	21	34	1		AVGETTEKAKSYLQSGK
<input checked="" type="checkbox"/> 701	599.7400	1796.1982	1794.7739	1.4243	0	21	28	1		MGYMDLALSYSNQMR + Oxidation (M)
<input checked="" type="checkbox"/> 516	666.7900	1331.5654	1332.6204	-1.0550	1	21	41	1		ERMQAQEQAR + Oxidation (M)
<input checked="" type="checkbox"/> 502	439.8400	1316.4982	1314.6779	1.8202	0	21	39	1		SALAQQVQADDAVK
<input checked="" type="checkbox"/> 1187	715.3100	3571.5136	3569.7833	1.7303	1	21	16	1		TNQLICLFYCLTGNEEATLIQLQMRHIFK + Oxidation (M)
<input checked="" type="checkbox"/> 748	620.8600	1859.5582	1858.8740	0.6842	1	21	29	1		TTDMEHPGVKVMQAQK
<input checked="" type="checkbox"/> 961	462.3400	2306.6636	2307.2032	-0.5396	1	21	25	1		KVISLCISPVEDTFLSGSLDK
<input checked="" type="checkbox"/> 373	575.5400	1149.0654	1148.5495	0.5159	0	21	35	1		EALDAGAISM + Oxidation (M)
<input checked="" type="checkbox"/> 395	588.3900	1174.7654	1175.6299	-0.8644	1	21	47	1		QDVARAIFEK
<input checked="" type="checkbox"/> 504	660.3200	1977.9382	1978.0411	-0.1030	0	20	1.1e+002	1		DLSNVFQGLLYSGPDLK
<input checked="" type="checkbox"/> 1178	855.6200	3418.4509	3416.8086	1.6423	2	20	18	1		LDTQKGYLVVTSAINLLKGAASQAVQCANLR
<input checked="" type="checkbox"/> 798	640.9400	1919.7982	1920.1196	-0.3215	2	20	35	1		ELIPELEFVGKRHIK
<input checked="" type="checkbox"/> 554	712.3000	1422.5854	1422.7541	-0.1686	1	20	42	1		GKLYGGLTDCLVK
<input checked="" type="checkbox"/> 664	573.3900	1717.1482	1717.8934	-0.7452	2	20	35	1		SGGKVRAGFEGGQMPK
<input checked="" type="checkbox"/> 376	576.9600	1727.8582	1727.7944	0.0638	0	20	1e+002	1		GDAPFSDPAAAFPPYR
<input checked="" type="checkbox"/> 439	620.3200	1238.6254	1236.5703	2.0551	1	20	44	1		LRMTADQCAR + Oxidation (M)
<input checked="" type="checkbox"/> 1017	851.2400	2550.6982	2550.2716	0.4265	1	20	26	1		IAMSLMVAAALAAQSGSTTLRGADCAR + Oxidation (M)
<input checked="" type="checkbox"/> 320	524.8600	1047.7054	1045.5087	2.1968	1	20	55	1		LRGSPNCSR
<input checked="" type="checkbox"/> 1028	643.7900	2571.1309	2571.2825	-0.1516	2	20	32	1		SRACSVGAVPGITKFMQEVYLDK + Oxidation (M)
<input checked="" type="checkbox"/> 217	435.8300	869.6454	869.3338	0.3117	0	20	44	1		ECFSGDR
<input checked="" type="checkbox"/> 1038	669.7600	2675.0109	2675.2899	-0.2790	1	20	27	1		LSSSGSGSGGGGSASSSPNGQLQAHKLYK

✓	72	317.1600	632.3054	631.3475	0.9579	1	20	85	1	RTPMK
✓	363	571.6800	2282.6909	2281.2430	1.4479	0	20	1.2e+002	1	AAVVSPPAGSAVLEIWSGILGTR
✓	919	752.8200	2255.4382	2254.1376	1.3006	0	20	32	1	CNEVQEQLTGGGLNGTLIPVR
✓	371	575.0500	1148.0854	1146.5968	1.4887	1	20	44	1	AGRLWAQAMK + Oxidation (M)
✓	226	439.3600	876.7054	876.5433	0.1622	1	20	53	1	KVSIFGVK
✓	1003	842.9800	2525.9182	2526.2867	-0.3685	0	20	29	1	ANNDELTVILPPGWLEQHPRLR
✓	309	512.0900	2044.3309	2043.8515	0.4794	0	20	1.2e+002	1	TSLEYDEFMEMFMVEK + Oxidation (M)
✓	776	635.2700	1902.7882	1902.2142	0.5740	1	20	43	1	LRLLLLLAPLVGAAVIGAR
✓	338	547.0100	1092.0054	1092.5638	-0.5583	0	20	44	1	IPSDMVFLR + Oxidation (M)
✓	884	732.6000	2194.7782	2194.0973	0.6808	1	20	33	1	MKSEADNLQIVLITGMSGSGK + Oxidation (M)
✓	210	429.3700	856.7254	856.4079	0.3175	0	19	53	1	YFEGVSR
✓	448	627.9700	1253.9254	1252.7252	1.2003	1	19	42	1	SPQQVAGVIAKR
✓	695	599.3700	1795.0882	1796.0407	-0.9526	1	19	46	1	GSIEILRDVVDVVAILGK
✓	799	480.9800	1919.8909	1919.9186	-0.0277	1	19	47	1	ESSSIYISKYLMDEGAK
✓	740	463.3400	1849.3309	1848.9339	0.3970	1	19	37	1	MVVVFMEPGGNVTRAIR + Oxidation (M)
✓	458	637.1900	1908.5482	1907.8061	0.7421	0	19	1.2e+002	1	YYVDDAPSITDSEYDR
✓	569	484.8000	1451.3782	1450.8296	0.5486	1	19	41	1	LWPDLLKLPNSR
✓	640	560.9400	1679.7982	1677.8012	1.9970	1	19	53	1	FGGEGSSGFRHYHIK
✓	756	624.9500	1871.8282	1869.9771	1.8511	2	19	51	1	LMKTKNIPEAHQDAFK
✓	422	607.5400	1213.0654	1211.6874	1.3781	0	19	47	1	GKPIDSSGKPVK
✓	603	515.7200	1544.1382	1544.7367	-0.5986	0	19	45	1	FIDNMLMGSGAFVK + Oxidation (M)
✓	1083	715.5100	2858.0109	2858.2436	-0.2327	1	19	30	1	DVAMAQAGIPRGAGMGGGCGGYGGGYHR + Oxidation (M)
✓	605	516.9900	1547.9482	1548.8147	-0.8666	1	19	58	1	IGEVKEAYNTAVQK
✓	572	730.2800	2187.8182	2186.1266	1.6916	2	19	1.2e+002	1	DKAHGDFATNIAMQLARIAK + Oxidation (M)
✓	877	719.9500	2156.8282	2156.1162	0.7120	1	19	42	1	LYQEMFAWKMIIVLSLPR + 2 Oxidation (M)
✓	562	479.8700	1436.5882	1436.7810	-0.1928	1	19	57	1	MGGGLVLPTRDPPK
✓	229	441.5300	1762.0909	1761.9268	0.1641	2	19	1.6e+002	1	SVIRRNSSNLMLSR + Oxidation (M)
✓	778	635.5800	1903.7182	1904.8795	-1.1613	0	19	45	1	LMEDGVGIMGLHMGGVGK + 3 Oxidation (M)
✓	628	823.7400	2468.1982	2467.2377	0.9605	0	19	1.2e+002	1	LAQAALHVGANDLGGTLMENISK + Oxidation (M)
✓	94	666.6900	665.6827	664.2599	1.4229	0	19	42	1	DSGACR
✓	122	723.4300	722.4227	720.3555	2.0672	0	19	61	1	NGFEVR
✓	641	560.9400	1679.7982	1677.8800	1.9182	2	19	61	1	VYSKYGKEIYMVAK
✓	905	559.0800	2232.2909	2233.0355	-0.7446	0	19	51	1	INVNATHEEVMSATTALECK + Oxidation (M)
✓	696	599.3800	1795.1182	1795.9542	-0.8360	0	18	54	1	AMLALEAAVVANYFSVK
✓	718	604.3100	1809.9082	1810.8809	-0.9728	0	18	63	1	SNSNGTSYVLSLSNVNR
✓	344	555.7900	2219.1309	2216.9514	2.1795	0	18	1.7e+002	1	QHDGVQPVVMVMCYHGNSSR + Oxidation (M)
✓	392	585.3600	1168.7054	1169.5750	-0.8696	0	18	69	1	MSGSNLFSALK + Oxidation (M)
✓	743	464.7800	1855.0909	1853.9972	1.0937	2	18	61	1	RALSRLHLGPSGYSQQR
✓	949	459.1300	2290.6136	2291.2049	-0.5913	2	18	42	1	DPLEITESGEKIQKFTNIF
✓	450	630.2900	2517.1309	2518.2010	-1.0701	2	18	1.9e+002	1	EAAEDKHKTVDTPFGGSGMLLK + Oxidation (M)
✓	557	477.2500	1428.7282	1426.7317	1.9965	0	18	74	1	SLGNQDHPVHVFK
✓	792	639.3300	1914.9682	1914.0058	0.9623	0	18	64	1	SGSGSGTVVVGNLIAQVAK
✓	312	516.4500	2061.7709	2062.7893	-1.0184	0	18	1.7e+002	1	GEYADYMSFMGMSNCIR + 2 Oxidation (M)
✓	523	673.2200	1344.4254	1344.5665	-0.1410	0	18	62	1	MMDHVYYCVK
✓	614	528.3200	1581.9382	1580.6187	1.3195	0	18	67	1	GGNSDVEDDAGTSSDR
✓	770	947.9300	2840.7682	2841.4926	-0.7244	2	18	1.3e+002	1	VGISNHEVFTSEKPHLPGYFRATKK
✓	348	561.6500	1681.9282	1681.7698	0.1584	2	18	1.8e+002	1	MNEEKRLCMNIR + 2 Oxidation (M)
✓	779	635.5900	1903.7482	1904.0289	-0.2807	2	18	57	1	DVTGTMLSADAKIVKK
✓	505	660.8300	1319.6454	1317.7214	1.9241	0	18	1.8e+002	1	ELVGIVISTEMK
✓	986	481.2700	2401.3136	2402.1478	-0.8341	0	18	58	1	GAHMITPETETSAHYFWAVVR
✓	192	417.6700	1666.6509	1667.8487	-1.1978	1	18	2.2e+002	1	MFRAGMAATLSELAR + 2 Oxidation (M)
✓	700	599.7000	1796.0782	1794.9880	1.0902	0	18	66	1	AEPLLVVGLGNPFGPTYAK
✓	325	527.8700	1053.7254	1053.6084	0.1171	1	18	66	1	VGKFPHTLR
✓	1088	717.3100	2865.2109	2863.4096	1.8013	2	18	44	1	STVGALYAVGGMDAMKGTTTIEKYDLR + Oxidation (M)
✓	1119	733.0500	2928.1709	2926.6743	1.4966	2	18	40	1	NPEKPFVSIIGSKVSSKIAVLESLLSK
✓	872	536.9100	2143.6109	2142.1355	1.4754	0	18	52	1	LESIAIIDTVCQLIDGGVAR
✓	345	558.8300	1115.6454	1116.4943	-0.8489	0	18	96	1	AMSSYMVNSK
✓	723	604.9500	1811.8282	1812.8649	-1.0367	2	18	75	1	SRAEAGPGAGTARACPR
✓	194	418.1700	834.3254	832.4079	1.9175	0	18	1e+002	1	WDVAASGK
✓	1114	583.7600	2913.7636	2913.2619	0.5017	2	18	43	1	TGQMMDESDDFKELCASFFQVRK + Oxidation (M)
✓	1105	725.7500	2898.9709	2899.5688	-0.5979	2	18	41	1	KEDLNLSLVNIAMSSQVEVNALVLK + Oxidation (M)
✓	1035	664.6900	2654.7309	2655.3479	-0.6170	2	18	45	1	MAWQSSSKVPDGEPTAVVYRLIR + Oxidation (M)
✓	669	577.9800	1730.9182	1728.8941	2.0241	1	17	84	1	ADNRGEGGVLISLMALAR
✓	1155	778.6400	3110.5309	3109.4675	1.0634	2	17	50	1	DAWTEEEVALMNAHRSHGNKWAETAK + Oxidation (M)
✓	1098	721.8100	2883.2109	2882.3637	0.8472	0	17	48	1	NLNTVENNIIVDINNIMTEMSSSGK + 2 Oxidation (M)
✓	989	615.1200	2456.4509	2455.3832	1.0677	2	17	58	1	TASITGACVALADALNKLVAAGKLK
✓	251	456.5600	1822.2109	1821.8600	0.3509	0	17	2.1e+002	1	MENMQLTLNLQTEKN + Oxidation (M)
✓	683	592.3000	1773.8782	1774.0326	-0.1544	2	17	85	1	GPQGRIRAVGIVGIER
✓	430	612.9600	1223.9054	1223.6622	0.2432	2	17	67	1	QYLGSGSGTRK
✓	556	476.7900	1427.3482	1425.6116	1.7366	0	17	68	1	AGSVAEADMATMEK + Oxidation (M)
✓	1081	715.2400	2856.9309	2856.2809	0.6500	1	17	44	1	IMKVMSSGLPGGTSMEDITYHFEK + 2 Oxidation (M)
✓	497	654.3000	1306.5854	1307.6946	-1.1091	1	17	91	1	GISRQFSTGSIR
✓	938	570.5600	2278.2109	2278.0978	0.1131	1	17	72	1	DHKLTLSLINGSEGTFFNNER
✓	1112	729.0500	2912.1709	2911.4895	0.6814	2	17	47	1	LLQMHSNSREEIKDVMAAGDIAAAVGLK + Oxidation (M)
✓	815	648.4900	1942.4482	1942.0557	0.3925	1	17	61	1	TKSMIAHNALSLEAISLK + Oxidation (M)
✓	286	488.7000	1950.7709	1951.0275	-0.2566	2	17	2.6e+002	1	YSFEVDRNATKQPQIKR
✓	367	573.5900	1145.1654	1144.6029	0.5625	0	17	85	1	EWVWLAVSR
✓	757	624.9600	1871.8582	1873.0025	-1.1444	2	17	88	1	NMQAKSNILASASPRR
✓	302	510.0900	2036.3309	2035.0745	1.2564	2	17	2.3e+002	1	LDQQRARALIQAEMGHK
✓	620	808.3300	1614.6454	1614.7494	-0.1039	1	17	87	1	GAAGYITDMAMGKSAR + Oxidation (M)
✓	616	400.4400	1597.7309	1598.8991	-1.1682	2	17	97	1	KAIAELETLNQKQKQK

✓	328	530.3100	1587.9082	1588.8130	-0.9048	1	17	3.1e+002	1	RNGLLLEEELEEMK + Oxidation (M)
✓	1018	639.2700	2553.0509	2553.2091	-0.1582	2	17	62	1	IKTSIDDEAMMTTRFGSNYLTK + 2 Oxidation (M)
✓	227	439.9000	877.7854	877.4327	0.3527	0	17	2.8e+002	1	LNSNMVGK + Oxidation (M)
✓	980	590.2900	2357.1309	2358.1829	-1.0520	2	17	81	1	RPDYDGGSPNLSYHVERRLK
✓	670	578.0000	1730.9782	1728.8175	-2.1607	0	17	1e+002	1	YSSAMVSAPVTMNLAR + 2 Oxidation (M)
✓	135	370.5100	739.0054	739.3687	-0.3633	0	17	53	1	GFLMTR + Oxidation (M)
✓	460	637.6500	2546.5709	2545.2920	1.2789	1	17	2.4e+002	1	ALDALLSGYSMKYSKPMSAIEVR + Oxidation (M)
✓	1091	479.5500	2871.2563	2869.4724	1.7839	0	17	61	1	MVSYLGAPFFHNTLAPSVLTYDAIVK + Oxidation (M)
✓	933	569.6800	2274.6909	2274.1064	0.5845	1	17	64	1	AAGVTIESYWMLFAKMAEK + 2 Oxidation (M)
✓	803	643.2300	1926.6682	1924.9420	1.7262	1	17	72	1	EAMKSSQLMLEMGGILR + 2 Oxidation (M)
✓	1041	674.9100	2695.6109	2694.2636	1.3473	1	17	60	1	FEEMGFDRVFSQAQTGFVAVDAVK + Oxidation (M)
✓	937	759.9900	2276.9482	2276.2416	0.7065	0	17	74	1	VTGLTPGHPLFAAEALVEEVK
✓	200	422.9900	843.9654	844.5130	-0.5476	2	16	1.2e+002	1	ANVTKGKK
✓	380	581.7500	1161.4854	1160.5574	0.9280	1	16	2.7e+002	1	FGLHDDSSKR
✓	886	732.9700	2195.8882	2196.2729	-0.3848	1	16	76	1	TVQNLVVVSTDVEKNVILVK
✓	642	560.9500	1679.8282	1677.8007	2.0275	0	16	1e+002	1	MDLMYLPVVHWSR + 2 Oxidation (M)
✓	751	623.3200	1866.9382	1867.8345	-0.8964	1	16	97	1	THFGKPYECKQCKK
✓	755	624.9400	1871.7982	1869.9948	1.8033	1	16	96	1	NDLPAALFALADRQVK
✓	618	536.8600	1607.5582	1606.8535	0.7047	2	16	85	1	KVIRLMVNMAESGK + 2 Oxidation (M)
✓	645	562.0600	1683.1582	1682.8700	0.2882	2	16	85	1	ESGNPEVREAVKNVR
✓	829	654.9000	1961.6782	1959.9360	1.7422	0	16	78	1	ANPDMQAQGLAIEAYLDR + Oxidation (M)
✓	78	641.8900	640.8827	640.4272	0.4555	1	16	52	1	PAVKVK
✓	306	511.0500	1530.1282	1529.7872	0.3410	0	16	2.9e+002	1	DVQQMPGTGGGLILR + Oxidation (M)
✓	437	618.6800	2470.6909	2470.1542	0.5367	2	16	2.6e+002	1	MSSPGPKVMYIEAQGECEVKAK + 2 Oxidation (M)
✓	697	599.3800	1795.1182	1795.8345	-0.7164	1	16	95	1	MDRIGSWSGLGCNSLK + Oxidation (M)
✓	856	698.0700	2091.1882	2090.0830	1.1052	2	16	97	1	NLHGKAILYGDKITDSMAK + Oxidation (M)
✓	247	453.0500	904.0854	904.5018	-0.4164	0	16	1.2e+002	1	AEVLQAFK
✓	712	603.9700	1808.8882	1809.9294	-1.0413	2	16	1.1e+002	1	KASVLFVEANMNSEKK + Oxidation (M)
✓	741	617.7600	1850.2582	1851.1081	-0.8499	1	16	84	1	KISTVIDLVPVLEAVQK
✓	967	581.9200	2323.6509	2322.0224	1.6285	2	16	72	1	KDVMFSEKYPMDYYEAK + Oxidation (M)
✓	887	733.0000	2195.9782	2196.2664	-0.2882	2	16	94	1	MSDQATALKIKPLGDRILVK
✓	1090	574.2100	2866.0136	2864.5760	1.4376	2	16	62	1	SVGVNPIIVDFSAPGSATAPSKPAAQKKK
✓	813	647.5100	1939.5082	1938.9357	0.5725	1	16	80	1	YGELKSVPTQCLDNSK
✓	630	552.0000	1652.9782	1653.7681	-0.7900	1	16	1.1e+002	1	EPHPPRMSAENAFR + Oxidation (M)
✓	301	510.0800	1018.1454	1016.5475	1.5979	2	16	1.1e+002	1	GRSLRESGR
✓	1122	733.8100	2931.2109	2929.6059	1.6050	2	16	64	1	LLAAKASDGMALLTVVLDNPTGYGRIVR + Oxidation (M)
✓	911	561.3100	2241.2109	2242.1818	-0.9709	1	16	99	1	APSPSEAAAPRRPEATAAPLTPR
✓	169	392.6000	1566.3709	1564.7998	1.5711	0	16	3e+002	1	HLHSVDILGFNGEK
✓	835	494.8800	1975.4909	1974.1487	1.3422	2	16	83	1	ARQVAVSQLEGGGLHKIR
✓	914	562.6100	2246.4109	2246.0105	0.4004	2	16	82	1	HTPQDCMSAFLRMVKMAK + 2 Oxidation (M)
✓	272	478.5200	955.0254	954.4995	0.5260	1	16	88	1	SLREHASR
✓	1138	758.5300	3030.0909	3028.5612	1.5297	0	16	59	1	QAMVGIVGSIGSAIGGAVGGGASASGGTAIQAAAAK + Oxidation
✓	538	680.7000	1359.3854	1359.6630	-0.2776	0	16	1e+002	1	VQDELDSSVVGSGR
✓	873	716.9000	2147.6782	2146.0906	1.5876	1	16	81	1	NLEIVPKSSYAQVAVNDGDK
✓	771	632.5800	1894.7182	1894.0346	0.6836	1	16	94	1	LVVAINMTASGLSFAKR + Oxidation (M)
✓	953	575.0700	2296.2509	2294.1947	2.0562	0	16	1e+002	1	TVLVTGTAIWTSWNVYTASPK
✓	279	484.7700	967.5254	968.4563	-0.9309	1	16	1.1e+002	1	TSTFDDRK
✓	568	726.6000	2176.7782	2175.2159	1.5622	1	16	2.6e+002	1	KVIMALGVLAFANALMATDVK
✓	1027	857.9900	2570.9482	2571.3156	-0.3674	1	16	73	1	VDGTCYALVEFNGKVLGAGGSFVR
✓	820	651.2400	1950.6982	1951.0640	-0.3658	2	16	89	1	GIGGDTVEVVHSLAKWKR
✓	389	583.8100	1165.6054	1166.5866	-0.9812	0	16	1.3e+002	1	MHAVGDIPGVR + Oxidation (M)
✓	733	613.3700	1837.0882	1836.7454	0.3428	0	16	1.1e+002	1	QPGCTSNGCIQWNCR
✓	643	560.9500	1679.8282	1677.8007	2.0275	0	16	1.3e+002	1	MDLMYLPVVHWSR + 2 Oxidation (M)
✓	1051	700.7100	2798.8109	2798.3288	0.4821	0	16	68	1	LYEVTMGLCAEMLTLGGIASNEAEAR
✓	365	572.5400	2286.1309	2286.1765	-0.0456	0	16	3.2e+002	1	AVGFPALELLNLHAAGCFSR
✓	863	712.0500	2133.1282	2132.1153	1.0129	2	16	1.1e+002	1	NYLIEELNINSKTYKYK
✓	871	714.7000	2141.0782	2139.0895	1.9887	2	16	1.1e+002	1	MRRFGDAESFLNIDSIR
✓	667	864.4900	2590.4482	2588.3347	2.1135	2	15	2.8e+002	1	SAKTGQGHNSADSSIDFKPLIR
✓	685	594.7200	1781.1382	1782.0152	-0.8770	2	15	1.1e+002	1	YLNKLLSSGGSRYLIR
✓	1045	682.4300	2725.6909	2726.5027	-0.8118	1	15	74	1	LDIPVDVSVIDTEKLASLIIMVSEK
✓	1151	774.6400	3094.5309	3092.4194	2.1115	1	15	83	1	MSMNVAWLSPGAAYADVWEAMKAFATASR + 2 Oxidation (M)
✓	787	637.8500	1910.5282	1911.1768	-0.6486	2	15	93	1	GIEKTGQLSLTLKILGK
✓	256	461.4000	920.7854	919.4247	1.3608	0	15	1.2e+002	1	DGAISDNTK
✓	692	599.0400	1794.0982	1794.0839	0.0142	2	15	1.2e+002	1	VVVSLEERLVGRVLAR
✓	985	599.0500	2392.1709	2392.1780	-0.0071	1	15	1.1e+002	1	LMAEAAHHVAGFPFPRVMLAR + 2 Oxidation (M)
✓	754	624.9400	1871.7982	1871.9914	-0.1932	0	15	1.2e+002	1	IDTMIVQAIGLLDLDLKD
✓	419	605.0700	1208.1254	1207.6747	0.4508	2	15	1e+002	1	KALVRMFESK
✓	535	677.6800	2706.6909	2706.3404	0.3505	1	15	3e+002	1	MVMQTMPEKQRPAAAGAPPELHSLR + 2 Oxidation (M)
✓	418	605.0200	1208.0254	1206.7700	1.2555	0	15	1e+002	1	VLPVVVALVER
✓	772	632.5800	1894.7182	1894.9128	-0.1946	1	15	1e+002	1	SNSMNLDAQMSALLEKK + Oxidation (M)
✓	752	624.9200	1871.7382	1871.0074	0.7308	0	15	1.1e+002	1	VMDAGGLVSDDLINLVK
✓	834	493.3400	1969.3309	1969.0091	0.3218	1	15	95	1	EIGFVGVMGSLVRSYSR + Oxidation (M)
✓	1042	542.3700	2706.8136	2707.3136	-0.5000	2	15	74	1	AGTGGESALFAADLARMYLRHAER + Oxidation (M)
✓	548	708.7200	2830.8509	2829.4266	1.4243	2	15	3.1e+002	1	DTVQLETLELPPGCVRRAVAGDFMR
✓	662	572.5200	1714.5382	1712.8192	1.7190	1	15	1e+002	1	GMTNYFLNRLPEDK + Oxidation (M)
✓	737	616.0500	1845.1282	1845.0104	0.1178	0	15	1.2e+002	1	IGMIAGGTGITPMLQIIK + 2 Oxidation (M)
✓	528	675.7000	2024.0782	2023.9958	0.0824	1	15	3.1e+002	1	EYREAAVMVMLLDTLPK + Oxidation (M)
✓	581	738.3400	2949.3309	2949.4832	-0.1523	2	15	3.5e+002	1	DRLYADTEWNGRTLTLDVTGGIQLDK
✓	442	621.7900	2483.1309	2482.2638	0.8671	0	15	3.6e+002	1	IAPSCVNCNASFSSNLQQSIVPHK
✓	650	847.1200	3384.4509	3382.6512	1.7997	2	15	2.8e+002	1	SFSSMVIYLQKSAANMLMLGKDPAAQPPER + Oxidation (M)
✓	1182	587.5900	3519.4963	3517.6559	1.8405	1	15	60	1	NLTKIYITNENYFMEIDTYLWLSGSATSSGSGNK

✓	646	562.2400	1683.6982	1683.8542	-0.1560	1	15	1.3e+002	1	FDYTSVMQVPKIEK
✓	303	510.6300	2038.4909	2039.1051	-0.6142	1	15	3.8e+002	1	AILTDSGGQIFSLSSLRK
✓	318	519.4800	1555.4182	1553.7620	1.6562	0	15	3.4e+002	1	TMHLNDLKPADGAR + Oxidation (M)
✓	1174	848.4600	3389.8109	3390.7201	-0.9092	1	15	74	1	TLRESQMTGLIPTELAQASASGLDPLSPQAAR + Oxidation (M)
✓	940	760.8800	2279.6182	2278.1892	1.4290	2	15	89	1	FGNDSQLAAKLIGMGYPNVR
✓	807	645.6300	1933.8682	1933.0720	0.7962	2	15	1.3e+002	1	KQFGLAVSRGPMFGIVAR
✓	1073	712.0400	2844.1309	2844.4956	-0.3647	2	15	79	1	SNFRLPENKDVPIIMIGSGTGIAFFR + Oxidation (M)
✓	188	416.0900	830.1654	829.4658	0.6997	0	15	1.7e+002	1	GLDISGLR
✓	876	540.0900	2156.3309	2156.0783	0.2526	1	15	1.1e+002	1	EAGTKEEPTADVINPMALR + Oxidation (M)
✓	893	738.2900	2211.8482	2213.0443	-1.1962	2	15	99	1	VPGGGTHRAGQAAGNMCRRGR
✓	444	415.5900	1243.7482	1242.6568	1.0914	2	15	1.7e+002	1	GVPGKENEASK
✓	1096	721.2700	2881.0509	2879.5145	1.5364	0	15	77	1	MNLIMLLIGIEVMLNAAMLAFAVGGAAR + 3 Oxidation (M)
✓	941	761.0600	2280.1582	2278.1668	1.9914	0	15	1.2e+002	1	YDLLWILDSTCSVLPGTLGR
✓	1103	483.6400	2895.7963	2896.4515	-0.6551	2	15	76	1	SMVGSVLVWGHGRWNADDLSGALAARR + Oxidation (M)
✓	824	652.2000	1953.5782	1954.0207	-0.4425	2	15	1e+002	1	VPRNAIIIFDESHRCK
✓	827	654.5900	1960.7482	1960.8545	-0.1063	2	15	1.1e+002	1	SESKNMEDGSNFTRTSR + Oxidation (M)
✓	140	376.8600	751.7054	750.4024	1.3030	0	15	1e+002	1	GFATLSR
✓	688	359.1500	1790.7136	1790.8695	-0.1559	2	15	1.3e+002	1	IVKEVYEKYCSSMR
✓	804	483.3100	1929.2109	1928.8622	0.3487	1	15	1.2e+002	1	HTGEKPHKCTFEKCNK
✓	896	554.9000	2215.5709	2215.1592	0.4117	1	15	99	1	MVADLLMPVEVESIATVRDK
✓	288	490.0100	978.0054	978.4519	-0.4464	0	15	1.4e+002	1	SEPQEPHR
✓	54	308.2700	614.5254	612.3344	2.1911	0	15	2.1e+002	1	HTTVR
✓	714	603.9700	1808.8882	1807.9073	0.9809	1	15	1.5e+002	1	TPLNAIMGFSDIMRAR + Oxidation (M)
✓	959	767.4400	2299.2982	2299.2910	0.0072	0	15	1.2e+002	1	LMVPMTLMIIFVLLYLAFR + Oxidation (M)
✓	942	761.1000	2280.2782	2279.1402	1.1380	1	15	1.2e+002	1	TFNCGVGMVIALSAADAKALR
✓	742	618.0600	1851.1582	1848.9774	2.1807	1	15	1.3e+002	1	TTDGYLLRFFAIGFTK
✓	1026	643.5700	2570.2509	2570.2388	0.0121	0	15	1.2e+002	1	DIINIQENADFYSDTLITVDGK
✓	781	635.9500	1904.8282	1903.0316	1.7966	0	15	1.4e+002	1	LSLWTGLLGAVVYNQNR
✓	463	638.7100	1275.4054	1273.6812	1.7242	1	15	1.4e+002	1	LSVREMPALSR + Oxidation (M)
✓	261	467.7500	933.4854	931.4723	2.0131	0	15	2e+002	1	TALTDAGGR
✓	124	363.9800	1451.8909	1452.5757	-0.6848	0	15	3.9e+002	1	NGMSYLSMEMMK + 2 Oxidation (M)
✓	822	651.9300	1952.7682	1952.8759	-0.1077	2	15	1.2e+002	1	HAMNPKGHSERSDTNEK + Oxidation (M)
✓	1060	705.2700	2817.0509	2817.3928	-0.3419	2	15	85	1	LTLAYEKIEVTASKCEEMQNFVSK
✓	322	526.3300	1050.6454	1051.5233	-0.8778	1	15	1.7e+002	1	MHHIADGKK + Oxidation (M)
✓	606	776.2100	3100.8109	3100.4019	0.4090	1	15	3e+002	1	SSNQMWGGRFADGPDAMEAINASIGFDK + Oxidation (M)
✓	421	404.7900	1211.3482	1211.6411	-0.2929	0	15	1.3e+002	1	HLHVGGPPSSSK
✓	449	629.6900	1257.3654	1257.6816	-0.3162	0	14	1.5e+002	1	AALTVDIDEALK
✓	493	653.6500	1305.2854	1305.6064	-0.3209	0	14	1.3e+002	1	LSFLFDMFDR + Oxidation (M)
✓	879	546.2000	2180.7709	2180.0936	0.6773	1	14	1.1e+002	1	TFKEAEGMGYVDVGLIPAGAR
✓	521	669.7100	2006.1082	2003.9888	2.1194	2	14	3.6e+002	1	MFFGGGGADVGQFSSKRIK + Oxidation (M)
✓	663	573.2100	1716.6082	1714.9399	1.6682	2	14	1.3e+002	1	IDQEKMGSLSLNRLAK
✓	788	637.9100	1910.7082	1911.9030	-1.1948	1	14	1.2e+002	1	GMQAASSKMVSAEITETR + Oxidation (M)
✓	374	576.0600	1150.1054	1150.5982	-0.4928	2	14	1.4e+002	1	KNKGTEAFK
✓	470	642.7700	1283.5254	1283.7020	-0.1765	2	14	1.7e+002	1	KQVAHVAEMKK + Oxidation (M)
✓	117	358.1900	714.3654	712.3180	2.0474	0	14	6e+002	1	EFFDR
✓	632	553.9000	1658.6782	1658.9243	-0.2461	0	14	1.6e+002	1	LQSPNGILYVVEVTK
✓	840	667.8000	2000.3782	1999.0309	1.3473	1	14	1.2e+002	1	LGPSPLRDTVASALMYHR + Oxidation (M)
✓	984	593.4600	2369.8109	2370.0793	-0.2684	0	14	1e+002	1	DAMEVFEEAMNNIMFLLEVK + 3 Oxidation (M)
✓	544	461.4900	1381.4482	1381.8293	-0.3811	1	14	1.4e+002	1	VKVGDVVELVGR
✓	1194	754.8100	3769.0136	3766.8415	2.1721	2	14	72	1	MYNEWPPFRVTIDLVEVMVFAKGDPGIAALYDK + 2 Oxidation (M)
✓	285	488.6200	1950.4509	1949.0231	1.4277	2	14	4.7e+002	1	APNHFRKGTTPQVPSPGK
✓	894	738.3300	2211.9682	2211.1027	0.8654	2	14	1.3e+002	1	MNANNKDYIVSELGIRTPK + 2 Oxidation (M)
✓	555	712.9500	2135.8282	2136.1222	-0.2940	2	14	3.8e+002	1	ILGRADLAQGNNGAHMKLK + Oxidation (M)
✓	724	605.1100	1812.3082	1812.9594	-0.6513	2	14	1.2e+002	1	DNATLERYHRALNIK
✓	784	636.6000	1906.7782	1907.0265	-0.2483	2	14	1.4e+002	1	LFAETTEAKVRGYLPGR
✓	903	744.2900	2229.8482	2230.1739	-0.3258	1	14	1.1e+002	1	TAADLIQLASQQTVSRMLER
✓	1057	701.0100	2800.0109	2798.5038	1.5071	2	14	91	1	NKQLQELNVAYNAGDITVALALAKAAR
✓	459	637.3300	1908.9682	1906.9710	1.9972	1	14	4.9e+002	1	ALESGITPKDCFDILT
✓	503	440.1800	1317.5182	1318.6670	-1.1488	0	14	1.9e+002	1	TNVNFHYISPK
✓	536	679.3500	2035.0282	2034.0164	1.0118	2	14	4.7e+002	1	GGIGKSSTASNVAACAEAGKK
✓	934	759.6100	2275.8082	2274.1645	1.6437	1	14	1.1e+002	1	QTGTGQFAAVKFIVEPNEPGK
✓	955	766.8100	2297.4082	2297.1031	0.3050	0	14	1.2e+002	1	IISEMGVHQIEAGIPAMGGDEK + Oxidation (M)
✓	1108	1455.1400	4362.3982	4360.4291	1.9691	2	14	1.7e+002	1	ISNMKEILPVLEATARSSRPLLIIEADIEGDVLTTLVNVN
✓	366	572.5800	2286.2909	2286.0514	0.2395	0	14	4.5e+002	1	SNYAVTGLYFYDNSVVEMAK + Oxidation (M)
✓	183	412.2500	822.4854	822.3905	0.0949	0	14	1.8e+002	1	MNLSAGSK + Oxidation (M)
✓	100	341.2900	680.5654	680.3606	0.2049	0	14	1.3e+002	1	QTPAHK
✓	952	574.5700	2294.2509	2292.2199	2.0310	2	14	1.4e+002	1	NTPRSKPAATARVTSWLSLGH
✓	461	637.8100	1273.6054	1272.5768	1.0286	0	14	2.1e+002	1	MAENPNVDLDR
✓	415	603.0800	1204.1454	1202.7499	1.3955	1	14	1.6e+002	1	RVVIALTYIR
✓	592	753.4200	3009.6509	3009.4344	0.2164	2	14	4.4e+002	1	KKLEDIMNGIDDTADTSMDFPNLALMK + 2 Oxidation (M)
✓	413	601.6300	1201.2454	1201.6778	-0.4324	2	14	4.5e+002	1	ESGRKLIASNK
✓	773	632.6100	1894.8082	1893.9731	0.8351	1	14	1.6e+002	1	ARGVLMTSNAAGELVFSSR + Oxidation (M)
✓	304	510.6400	1019.2654	1019.5321	-0.2667	1	14	1.8e+002	1	TTDPIKAMK + Oxidation (M)
✓	891	369.5200	2211.0763	2210.0485	1.0278	0	14	1.5e+002	1	TQDNTGDTTATLLAQSMIR + Oxidation (M)
✓	727	608.6000	1822.7782	1821.9043	0.8739	2	14	1.6e+002	1	DDERQVRCLDIYK
✓	990	615.9700	2459.8509	2460.2696	-0.4187	2	14	1.1e+002	1	RVYTDNHMNVVAALKNVFDR
✓	1062	709.0100	2832.0109	2832.3582	-0.3473	1	14	96	1	MTVFAASQQAAGAGMLPSHQARLACR + Oxidation (M)
✓	657	851.0500	2550.1282	2549.2988	0.8294	1	14	3.7e+002	1	IMLYNSLGATFAPGYDLKQLR + Oxidation (M)
✓	494	653.7400	1305.4654	1305.6201	-0.1546	0	14	1.8e+002	1	NGNDFIADALEK
✓	791	639.2700	1914.7882	1914.9224	-0.1342	0	14	1.5e+002	1	NSFYIGAYQAAINEAQR
✓	347	561.2700	1120.5254	1120.5625	-0.0371	1	14	2.2e+002	1	GRAAGGVYAGDK

✓	484	648.1800	1294.3454	1294.7397	-0.3943	1	14	1.5e+002	1	IQSIFRGYLAK
✓	809	646.0400	1935.0982	1932.9476	2.1506	2	14	1.7e+002	1	RNHERMVSGEFVESLK + Oxidation (M)
✓	992	822.3400	2463.9982	2462.2985	1.6997	2	14	1.2e+002	1	EMAATGKVTQLTSLGMLAEAIRR + Oxidation (M)
✓	95	666.6900	665.6827	666.3085	-0.6258	0	14	1.3e+002	1	YGN SAR
✓	865	713.3000	2136.8782	2137.1201	-0.2420	1	14	1.4e+002	1	MVHQDVSKLSSQTPLVPAK + Oxidation (M)
✓	423	608.9900	1215.9654	1215.5958	0.3697	1	14	1.7e+002	1	EIYPKYTMR + Oxidation (M)
✓	615	799.0700	3192.2509	3190.5249	1.7259	0	14	3.9e+002	1	GESLLLVRRPTTMMNHSQAVMAAQFYK + 3 Oxidation (M)
✓	864	712.2600	2133.7582	2132.1915	1.5667	1	14	1.3e+002	1	LTKEGLVALNLATGVPMVYK + Oxidation (M)
✓	617	535.8200	1604.4382	1604.7214	-0.2833	0	14	1.5e+002	1	AWEGMGIDMIPEEK
✓	375	576.2200	2300.8509	2299.2019	1.6490	2	14	4.7e+002	1	QTDDKPSGSGAASKKALTAELPK
✓	745	620.0000	1856.9782	1857.8969	-0.9188	2	14	1.9e+002	1	DSIDDSVVYRASRYGR
✓	960	768.5000	2302.4782	2301.0332	1.4450	1	14	1.2e+002	1	DTRSSTVSTAEDVPHYYSMR
✓	35	565.0900	564.0827	563.2551	0.8276	0	14	2e+002	1	DSAGSK
✓	228	440.1800	878.3454	876.4929	1.8525	2	14	2.3e+002	1	AEKFARR
✓	340	553.9000	1105.7854	1105.5590	0.2264	0	14	2e+002	1	MGPTIGYPVR + Oxidation (M)
✓	89	660.2900	659.2827	659.3854	-0.1027	0	14	3.4e+002	1	ATDIK
✓	571	729.5600	2185.6582	2184.1586	1.4996	2	14	4e+002	1	AVINRMGFNNNDGAAAVAPRLK
✓	468	640.1900	1278.3654	1277.6550	0.7104	1	14	1.6e+002	1	RVSSLMEWEVR + Oxidation (M)
✓	491	652.2400	1302.4654	1301.5962	0.8693	0	14	1.9e+002	1	DGEWIDVPPMK + Oxidation (M)
✓	274	478.6300	955.2454	955.5603	-0.3149	1	14	1.5e+002	1	ALKFHGGVK
✓	729	609.8500	1826.5282	1826.8754	-0.3472	2	14	1.4e+002	1	AMKDISNSVVEEMKK + 2 Oxidation (M)
✓	608	778.4300	1554.8454	1553.7838	1.0617	1	14	4.9e+002	1	SKYNIIPGFASDSR
✓	311	513.0200	1536.0382	1536.7090	-0.6708	1	14	4.9e+002	1	AEQMSDDEVIRTK + Oxidation (M)
✓	958	767.2700	2298.7882	2297.0589	1.7293	1	14	1.2e+002	1	MQPDMSLDNIKMASDDLLEK + 2 Oxidation (M)
✓	853	344.3200	2059.8763	2059.1942	0.6821	2	14	1.6e+002	1	KIPIFLHEQNVVPGKVNK
✓	764	625.6100	1873.8082	1874.0037	-0.1955	1	14	1.8e+002	1	IEBITAEVEVGKIYPGK
✓	983	593.2200	2368.8509	2368.2234	0.6275	1	14	1.3e+002	1	RVTIIDSGDTDLLPGELVDNAR
✓	1115	972.5900	2914.7482	2914.5473	0.2008	1	14	1.1e+002	1	MPFIQSVERALQILDLFNEQATELK + Oxidation (M)
✓	323	526.3600	1050.7054	1051.5186	-0.8131	1	14	2e+002	1	EDAIDYAKK
✓	191	417.2300	832.4454	833.5011	-1.0556	0	14	7.2e+002	1	VSIQFLK
✓	215	431.9800	1292.9182	1292.6030	0.3151	1	14	5.7e+002	1	ADTLEMARAGDK + Oxidation (M)
✓	558	477.6300	1429.8682	1429.7486	0.1195	0	14	2.2e+002	1	LENVGIITPEMAK + Oxidation (M)
✓	443	622.7600	1243.5054	1241.6009	1.9046	0	13	2.3e+002	1	IVCANCHLGAK
✓	436	412.2800	1233.8182	1234.6665	-0.8483	0	13	2.2e+002	1	GMVISDIMLIK + Oxidation (M)
✓	283	487.4200	972.8254	972.5240	0.3015	0	13	2.1e+002	1	IASANGEAIK
✓	686	595.3000	1782.8782	1780.9029	1.9753	2	13	2e+002	1	VDENVKAEIFMNTKK + Oxidation (M)
✓	702	902.9500	2705.8282	2706.3898	-0.5616	1	13	4.1e+002	1	ELLLDTRTQINDTELLLMFAAR + Oxidation (M)
✓	1148	616.5800	3077.8636	3077.5387	0.3250	2	13	1e+002	1	MPFQTSPGGKAEGGGATTSTQVMVIKPRGR + 2 Oxidation (M)
✓	1014	637.8400	2547.3309	2545.2345	2.0964	1	13	1.6e+002	1	MYEAFIDLEAITPLFMRGADAR + Oxidation (M)
✓	665	573.4000	1717.1782	1717.9363	-0.7581	1	13	1.6e+002	1	QAVDTAVDGVFIRSLK
✓	738	616.3900	1846.1482	1844.6000	1.5481	1	13	1.8e+002	1	KGGMGGMGMGMGMGMGM + 6 Oxidation (M)
✓	486	432.6900	1295.0482	1294.6591	0.3891	1	13	1.6e+002	1	NLLDVYKDMGK
✓	270	476.5700	951.1254	949.5080	1.6174	1	13	1.6e+002	1	VTTSKDATK
✓	1189	608.6600	3645.9163	3646.8395	-0.9232	0	13	97	1	ILQHDAVEVLEHMLAPGALDGVHIFFPDPWHK + Oxidation (M)
✓	362	571.6400	1141.2654	1140.5928	0.6727	0	13	1.7e+002	1	LHWAETVGTK
✓	1077	570.7700	2848.8136	2849.3074	-0.4938	1	13	1.1e+002	1	KSDDAPAVMTVEHLNMYYGSMALK + 2 Oxidation (M)
✓	1129	747.0300	2984.0909	2982.4249	1.6660	2	13	1e+002	1	ITNGQMNFCDGLMASKGKPLDAIKK + Oxidation (M)
✓	1039	669.9000	2675.5709	2676.5288	-0.9579	0	13	1.3e+002	1	GLTFPLVSYGGSSLVIMSVIAIALLR
✓	352	565.7000	1129.3854	1130.5819	-1.1965	0	13	2.2e+002	1	IVSVEGDGVEK
✓	292	494.8900	987.7654	987.4846	0.2809	1	13	2.5e+002	1	AEAGGAGSGRR
✓	495	327.4600	1305.8109	1306.6849	-0.8740	2	13	2.3e+002	1	MGNKVIAMKSGR + Oxidation (M)
✓	575	732.8300	2195.4682	2196.1539	-0.6857	1	13	4.9e+002	1	NDTVLVSHGEGIVTIWNSK
✓	623	811.1400	1620.2654	1618.8791	1.3864	1	13	1.7e+002	1	TADLRISQSGYLAVR
✓	732	612.5100	1834.5082	1832.9125	1.5957	0	13	1.6e+002	1	CTDNGVMIAALGDLVLR + Oxidation (M)
✓	767	941.2400	2820.6982	2819.4792	1.2189	2	13	3.7e+002	1	WQLVASKFPESLFRAMPQVANGTK + Oxidation (M)
✓	1010	637.2400	2544.9309	2543.3174	1.6135	1	13	1.3e+002	1	AALGGVSYLIHGLMRMDMLKPDOR
✓	594	759.4100	2275.2082	2276.1331	-0.9250	0	13	5.5e+002	1	MNHLAPQPQGIQGLNTSSIDR
✓	831	654.9300	1961.7682	1961.9452	-0.1770	1	13	1.7e+002	1	CCTPIGVYHSSADRVIK
✓	750	622.6700	1864.9882	1864.9539	0.0343	0	13	2e+002	1	VAFIGAGSMAEGMTSGIVR
✓	1125	590.8000	2948.9636	2947.4558	1.5078	2	13	1.1e+002	1	FNLMLETKVTAWEAKEDGIYVTMEGK + 2 Oxidation (M)
✓	511	661.8300	1321.6454	1319.7561	1.8893	0	13	2.3e+002	1	LPPVTPAQISAAR
✓	744	928.8000	2783.3782	2781.4881	1.8901	2	13	3.9e+002	1	MLTGKAFATLRATLSMNGIITNQIGK + 2 Oxidation (M)
✓	988	612.4700	2445.8509	2444.0197	1.8312	1	13	1.3e+002	1	QRQTMGMMSQSEVCPTCGGK
✓	263	469.0900	1872.3309	1873.0091	-0.6782	1	13	5.3e+002	1	TLMLPAGAVVGTSSLRR + Oxidation (M)
✓	703	903.0800	1804.1454	1802.8331	1.3123	0	13	4.2e+002	1	SCFQITSPGYALNSMK
✓	939	760.4300	2278.2682	2276.1405	2.1276	1	13	1.8e+002	1	LRPGAVLEQDARMGNFVEMK + Oxidation (M)
✓	1052	700.8800	2799.4909	2798.3987	1.0922	2	13	1.5e+002	1	KAVSDYATAVSNRSFPAEDNIYRPK
✓	335	542.8400	1083.6654	1082.6812	0.9843	1	13	2.3e+002	1	QVNIKLQK
✓	518	445.3900	1333.1482	1333.8445	-0.6964	2	13	1.9e+002	1	KGKEVLIGLIHK
✓	1117	973.1000	2916.2782	2915.4817	0.7964	1	13	1.4e+002	1	VQVQFENQTLASITFQNYFRLYEK
✓	1037	668.7100	2670.8109	2671.4122	-0.6013	2	13	1.2e+002	1	EEFLDFVFDGLALPHLERKQLR
✓	1093	960.1400	2877.3982	2877.6402	-0.2420	2	13	1.5e+002	1	VDVKNWLLISVLLVMTYTSSRALK + Oxidation (M)
✓	736	615.9000	1844.6782	1843.0641	1.6141	2	13	1.8e+002	1	FSKGLGPMIGVPKKTIDK
✓	327	530.0500	1587.1282	1586.7551	0.3730	1	13	6.1e+002	1	QFHSYFVKADMSK
✓	1053	700.9800	2799.8909	2799.3610	0.5299	2	13	1.2e+002	1	TGLFHSVTEQMDSERLQKGIENHK + Oxidation (M)
✓	1127	745.3600	2977.4109	2975.4730	1.9379	2	13	1.4e+002	1	MEDIQNSASNADLSAAQRQVRVQLTSK + Oxidation (M)
✓	651	565.1800	1692.5182	1690.8501	1.6681	1	13	1.7e+002	1	EQWDGPFMLKGIVR + Oxidation (M)
✓	725	605.8300	1814.4682	1815.0367	-0.5685	2	13	1.7e+002	1	VVVIDDSAFNRRAIK
✓	441	620.8500	1239.6854	1240.7615	-1.0761	2	13	2.4e+002	1	DITLQRVIKR
✓	647	843.2600	1684.5054	1682.9032	1.6023	1	13	1.8e+002	1	GLYFSFPVIVDNKGG
✓	866	713.6200	2137.8382	2137.1605	0.6776	1	13	1.6e+002	1	EPFMPSEEHVLVVRLLVK + Oxidation (M)

✓	331	537.1600	1608.4582	1607.7283	0.7298	1	13	5.6e+002	1	MGGKMGSVPEQNTTEK + Oxidation (M)
✓	584	741.8600	2222.5582	2221.1199	1.4382	2	13	5.3e+002	1	AQLEQGRDRLLLEVSHNGGDK
✓	483	648.0000	1940.9782	1938.9899	1.9883	1	13	5.4e+002	1	DGEVVVSKIVDDSPDIR
✓	522	672.3100	1342.6054	1342.7894	-0.1839	1	13	2.6e+002	1	KLIEIVLECVK
✓	844	506.1600	2020.6109	2019.9400	0.6709	1	13	1.6e+002	1	EYQKVVYVDFHGLPMK + Oxidation (M)
✓	332	539.1000	1076.1854	1074.5492	1.6363	0	13	5.6e+002	1	AVAVMADAVGR + Oxidation (M)
✓	96	673.7200	672.7127	673.3395	-0.6268	0	13	3e+002	1	TEPTAR
✓	485	648.5000	2589.9709	2588.4546	1.5163	2	13	4.9e+002	1	NIANPIAQILSLSLVRYGMKLK + Oxidation (M)
✓	909	747.2200	2238.6382	2239.0175	-0.3794	2	13	1.5e+002	1	DDGPYKGGKDTAGTDGALVCR
✓	291	493.5800	985.1454	985.5821	-0.4367	1	13	2.1e+002	1	GHHGPIKLLK
✓	308	512.0800	1533.2182	1531.8392	1.3790	1	13	5.6e+002	1	EMSKLLATVVTGQR
✓	888	735.2500	2202.7282	2202.1480	0.5801	2	13	1.6e+002	1	FVDWVSRASSSRMIVVHAR
✓	273	478.6300	955.2454	953.5157	1.7298	1	13	1.8e+002	1	YFRMLPK
✓	337	545.9600	2179.8109	2179.0314	0.7795	1	13	6.3e+002	1	QSLNAVKSVMEEGSEIGEK + Oxidation (M)
✓	1005	635.1900	2536.7309	2537.3056	-0.5747	2	13	1.4e+002	1	VAGSMAFKNGMAKATPVLLPEVMK + 3 Oxidation (M)
✓	1092	720.3000	2877.1709	2875.4677	1.7032	1	13	1.3e+002	1	MNSIIELTDDYSSNNYAPLKLVISK
✓	619	805.3500	2413.0282	2411.2433	1.7849	1	13	5.3e+002	1	GNVTHIHNAMLHSHKWPVR + Oxidation (M)
✓	525	449.6500	1345.9282	1346.6612	-0.7330	1	13	2.4e+002	1	ALRMATIEQDER + Oxidation (M)
✓	721	604.5600	1810.6582	1810.8342	-0.1760	1	13	1.9e+002	1	MANAVKSNHSMESYK + Oxidation (M)
✓	926	754.6100	2260.8082	2261.1759	-0.3678	2	13	1.6e+002	1	EVSKSDIGEVLVGGMTRMPK + Oxidation (M)
✓	1188	722.3700	3606.8136	3605.8125	1.0011	2	13	1.2e+002	1	FTFKASTTAMRYMLYVGFMLGILSVIVGWAADK + 2 Oxidation (M)
✓	221	435.9000	869.7854	868.4443	1.3412	0	13	2e+002	1	ISFSYPR
✓	862	711.9800	2132.9182	2131.0698	1.8483	0	13	2e+002	1	ILTHGGPAGTPIEDNFHDLK
✓	749	622.6600	1864.9582	1864.1258	0.8324	2	13	2.3e+002	1	AKNLIISAGGINSPIRLK
✓	1046	683.5400	2730.1309	2730.4237	-0.2928	2	13	1.5e+002	1	SVFYLLMKMFVNSNHLQLKSSTK + Oxidation (M)
✓	838	666.7900	1997.3482	1998.0067	-0.6585	1	13	1.7e+002	1	RATPCYFNTGVMVIELK
✓	928	756.3900	2266.1482	2264.1801	1.9681	2	13	2.1e+002	1	ELGISGKKDIEAFGIAEFNAR
✓	806	484.1700	1932.6509	1931.9259	0.7250	0	13	1.8e+002	1	CVDLLNTTEADDIIQGR
✓	1049	559.1000	2790.4636	2791.2939	-0.8303	1	13	1.8e+002	1	GVVCASDDIAMGAINALRDNNEVPK + 2 Oxidation (M)
✓	1141	760.9600	3039.8109	3039.4753	0.3356	2	13	1.3e+002	1	ELAMETKNFSGAEGLVRAAQSTAMNR + Oxidation (M)
✓	1012	637.6300	2546.4909	2544.4540	2.0369	2	13	1.7e+002	1	ARLEAQIHLRTYGEPAFLAVIVK
✓	187	416.0800	830.1454	830.4320	-0.2866	0	13	3e+002	1	LPVEMR + Oxidation (M)
✓	912	449.7000	2243.4636	2242.0060	1.4577	0	13	1.7e+002	1	LSGEALMGDDSYGINEDVVSRR + Oxidation (M)
✓	1118	732.0800	2924.2909	2924.3494	-0.0585	1	12	1.6e+002	1	QDSVEFCMKLDSMGIDTIIYTDISK + Oxidation (M)
✓	498	654.7500	1307.4854	1307.6391	-0.1536	1	12	2.4e+002	1	SIMELSEAREK + Oxidation (M)
✓	224	436.8000	871.5854	869.4831	2.1023	1	12	3.4e+002	1	EGARKPGR
✓	202	423.5200	845.0254	845.4607	-0.4352	1	12	3e+002	1	ISIKDDR
✓	563	479.8900	1436.6482	1434.6669	1.9813	0	12	2.7e+002	1	DEMVLAAQMGMVPR + Oxidation (M)
✓	880	546.2300	2180.8909	2181.0016	-0.1108	2	12	1.9e+002	1	DYDPLEPLMKRDMAMQGR + Oxidation (M)
✓	991	821.4100	2461.2082	2459.2445	1.9636	1	12	2.1e+002	1	GRVVIFAGGTGSPYFSTDTTSALR
✓	1032	655.0200	2616.0509	2615.3094	0.7415	0	12	1.6e+002	1	QAMTLLPPPPYGPESWAQFTAQV + Oxidation (M)
✓	330	536.6700	1071.3254	1070.5972	0.7283	0	12	2.5e+002	1	LATIDISNPK
✓	315	518.9800	2071.8909	2073.0063	-1.1155	0	12	7e+002	1	VMLAPHAPYTCPPSFLEK + Oxidation (M)
✓	673	581.4300	1741.2682	1740.0258	1.2424	2	12	2e+002	1	AQVGKLVSILDNVTRK
✓	826	981.2400	1960.4654	1960.0418	0.4236	0	12	1.9e+002	1	LITSTPTALVPQASWGYR
✓	841	667.8200	2000.4382	1999.0309	1.4073	1	12	1.8e+002	1	LGPSPRLRDTVASALMYHR + Oxidation (M)
✓	196	421.4800	840.9454	840.5181	0.4273	0	12	1.9e+002	1	ALKPSGIR
✓	214	431.9000	861.7854	862.4007	-0.6153	0	12	2.6e+002	1	YVEGHMK
✓	881	728.6000	2182.7782	2183.0382	-0.2601	0	12	1.8e+002	1	SVQEIIIEPGDYAIAITSGDYR
✓	957	767.2400	2298.6982	2298.1831	0.5151	2	12	1.7e+002	1	MFSFIDDIPSFEQIKARVR
✓	282	486.4600	970.9054	969.4953	1.4101	1	12	2.5e+002	1	MFSLLKNK + Oxidation (M)
✓	407	597.1200	1192.2254	1190.5965	1.6290	0	12	2.2e+002	1	LILESGGAEMR + Oxidation (M)
✓	858	705.6800	2114.0182	2112.0838	1.9344	2	12	2.4e+002	1	IHSYSHQLRATGQKHHR
✓	207	427.3900	852.7654	851.4171	1.3483	0	12	1.7e+002	1	MSTAVATR + Oxidation (M)
✓	298	504.0400	2012.1309	2011.0520	1.0788	1	12	7e+002	1	ELTDAVSHAGLRVLEVMR + Oxidation (M)
✓	921	753.3200	2256.9382	2256.0447	0.8935	1	12	1.9e+002	1	SPYFGRIDFIENGEEQAR
✓	747	620.8200	1859.4382	1858.9822	0.4559	1	12	2e+002	1	ILMVKAIVDITDENNR + Oxidation (M)
✓	120	720.4100	719.4027	720.3038	-0.9011	0	12	3.7e+002	1	GESASDR
✓	666	576.1300	1725.3682	1725.8607	-0.4925	2	12	2e+002	1	NETEMGKLAKSFIDK + Oxidation (M)
✓	271	476.8400	951.6654	950.4201	1.2453	0	12	2.6e+002	1	ESNPVMMK + Oxidation (M)
✓	580	738.0700	2211.1882	2210.2133	0.9749	0	12	6.1e+002	1	SGMFLTLFVNTLLNTIASR
✓	1008	847.4300	2539.2682	2540.1855	-0.9173	2	12	2.1e+002	1	ANITAQMVKELRESTGAGMMDCK
✓	501	657.2700	1312.5254	1312.8118	-0.2864	1	12	2.8e+002	1	EIVPIFQVLKK
✓	622	540.1500	1617.4282	1616.7590	0.6692	1	12	2.2e+002	1	SFCQNSALNRHQ
✓	746	620.3300	1857.9682	1856.8826	1.0856	0	12	2.7e+002	1	NGDSVMVLPNPIPEEAK + Oxidation (M)
✓	857	422.8400	2109.1636	2107.9376	1.2260	1	12	2.4e+002	1	NLAIEEGYSICMDMYRK + Oxidation (M)
✓	1166	668.3000	3336.4636	3337.5748	-1.1111	1	12	1.4e+002	1	QSQTVPASVPYGDGELVPMRAGGEIGWMVQY + Oxidation (M)
✓	1128	746.4000	2981.5709	2981.4876	0.0833	2	12	1.8e+002	1	HGVTADIEVIGADDVNTAMERLAKADVR + Oxidation (M)
✓	860	710.2700	2127.7882	2125.9296	1.8586	1	12	1.9e+002	1	MPEAMTASPEKTPASDYER + Oxidation (M)
✓	417	603.5700	1205.1254	1203.6506	1.4749	2	12	7e+002	1	GRITAMAKNAR + Oxidation (M)
✓	496	654.2900	1306.5654	1307.7006	-1.1352	1	12	7.3e+002	1	MKESLLTLTEK + Oxidation (M)
✓	684	888.1400	2661.3982	2661.3102	0.0880	2	12	5.5e+002	1	KCQDLESVMQEKDDIIQNLALR + Oxidation (M)
✓	520	669.2100	1336.4054	1334.7783	1.6272	1	12	2.4e+002	1	VSLAVLIDRGHR
✓	1004	843.3200	2526.9382	2525.2081	1.7300	0	12	1.7e+002	1	TDAGVHATNMVAHFDTTAIRPER + Oxidation (M)
✓	913	749.3100	2244.9082	2244.0344	0.8738	0	12	2.1e+002	1	TVHEQTGMFPFPAWMSGLPDK + Oxidation (M)
✓	828	654.6100	1960.8082	1958.9520	1.8562	0	12	2.4e+002	1	AVELHGDHLDLPLEIMR
✓	624	544.1300	1629.3682	1628.8920	0.4762	1	12	2.3e+002	1	THGKVTMTGIALAVSK + Oxidation (M)
✓	993	619.0500	2472.1709	2470.2162	1.9547	0	12	2.3e+002	1	HLDEVAAVMLTNPNTLGLFER + Oxidation (M)
✓	976	588.0400	2348.1309	2348.2562	-0.1253	1	12	2.4e+002	1	ERLMALGLELGADVPFIYGR + Oxidation (M)
✓	313	517.9800	1550.9182	1549.7633	1.1549	0	12	8.1e+002	1	IHMPTSGLLSFMGK + 2 Oxidation (M)
✓	817	648.8400	1943.4982	1942.9968	0.5013	1	12	2.1e+002	1	HKVMVGNKPSNTLLMDK + 2 Oxidation (M)

✓	981	592.2900	2365.1309	2364.1961	0.9348	2	12	2.4e+002	1	IDQNV EEL KGR L TPY A DEFK
✓	509	661.5000	2641.9709	2642.3326	-0.3617	2	12	6.1e+002	1	YDIYEKQ S KEET S SV V LIE N LK
✓	542	691.5000	1380.9854	1379.6979	1.2875	2	12	2.4e+002	1	DLRDY M NRA V K
✓	1159	639.2800	3191.3636	3189.7442	1.6194	1	12	1.5e+002	1	GAM P DPFQ V MMIV F LIGAI L LPMA V KDIK + Oxidation (M)
✓	1137	757.9000	3027.5709	3025.5945	1.9764	2	12	1.9e+002	1	LNIASGTAV R FEP F QQR T IELV D LAGDR
✓	612	526.4000	1576.1782	1576.8065	-0.6283	1	12	2.4e+002	1	KEMIAM L LAGGQ G SR + Oxidation (M)
✓	678	588.0000	1760.9782	1758.8610	2.1171	2	12	2.9e+002	1	AAGKFKMAAGLEYS G DK + Oxidation (M)
✓	739	925.4300	3697.6909	3697.7994	-0.1085	0	12	6.2e+002	1	EPWSG N YV S TP I WITA H TQT F TQ P GWY L R
✓	947	573.4200	2289.6509	2290.2004	-0.5495	2	12	1.9e+002	1	YMENN K PPIRTIS P GRV F R + Oxidation (M)
✓	810	646.6400	1936.8982	1934.7654	2.1328	0	12	2.7e+002	1	DTEFGQDDTESN S TFDK
✓	978	589.7600	2355.0109	2354.1365	0.8744	2	12	2.2e+002	1	FQYKVIDNSGYGADK F TM V R + Oxidation (M)
✓	369	573.8400	1145.6654	1145.5982	0.0673	1	12	8.4e+002	1	RSPHDFIFK
✓	1033	575.3000	2622.8782	2622.4202	0.4580	2	12	1.7e+002	1	SDGLN R GIV V DDIQ T VQAI Q RAVR
✓	197	421.4800	840.9454	839.3886	1.5569	0	12	2.2e+002	1	EGDAGVHR
✓	396	589.8000	1177.5854	1176.6502	0.9352	0	12	3.5e+002	1	LDPLNAPAAAPK
✓	818	649.9100	1946.7082	1944.9290	1.7792	1	12	2.3e+002	1	TPSPADNTDVRDFINQR
✓	923	565.6000	2258.3709	2257.2466	1.1243	1	12	2.2e+002	1	MAVLYTCV V IEYS V LILKK + Oxidation (M)
✓	1202	765.1300	3820.6136	3819.0249	1.5887	2	12	1.1e+002	1	GQKAVVAVMAPE F LLGT M GGA L GEAFVAA C RLAV L QK + 2 Oxidat
✓	897	555.6300	2218.4909	2219.0791	-0.5882	2	12	2e+002	1	ELPGREGN R VDAG S QNAH Q GK
✓	464	638.7300	1275.4454	1275.6030	-0.1575	2	12	3e+002	1	ERKE M PWER + Oxidation (M)
✓	946	572.5700	2286.2509	2284.9994	1.2515	1	12	2.5e+002	1	KSDENLEHYFHSFVAM C R + Oxidation (M)
✓	129	733.4800	732.4727	732.4283	0.0445	0	12	4.6e+002	1	AIVGFAR
✓	875	717.5100	2149.5082	2149.9732	-0.4650	0	12	2e+002	1	VPNNCVSSIENMENISTAR + Oxidation (M)
✓	968	778.2200	2331.6382	2331.1893	0.4489	1	12	1.9e+002	1	VVADDRYTSIHIEELVVMAR + Oxidation (M)
✓	1021	642.2100	2564.8109	2562.8922	1.9187	0	12	1.8e+002	1	DEEASPGGAPGMGGMGGMGMGMGM + 2 Oxidation (M)
✓	560	718.8400	1435.6654	1435.7970	-0.1315	1	12	3.3e+002	1	MKQVVIHDPTLR
✓	190	417.1200	1664.4509	1662.9048	1.5461	0	12	9e+002	1	LVLNMISTASMI G IGK + Oxidation (M)
✓	393	586.8500	1171.6854	1170.5590	1.1264	0	12	3.8e+002	1	YINSSISMEK
✓	676	877.2700	2628.7882	2628.3118	0.4763	1	12	5.4e+002	1	RGSSNGQIP M AGL P YHAVEGY L AK + Oxidation (M)
✓	735	614.8300	1841.4682	1839.9149	1.5533	1	12	2.3e+002	1	TRELSGTVEAM T QV F R + Oxidation (M)
✓	1030	646.4700	2581.8509	2580.1593	1.6916	1	12	1.8e+002	1	ENN V IMS N YVGFAL N CSMARK + 2 Oxidation (M)
✓	682	444.1500	1772.5709	1770.8498	1.7211	0	12	2.4e+002	1	GVLVDFGLAEAQMDYK + Oxidation (M)
✓	850	679.6300	2035.8682	2033.9398	1.9284	0	12	2.6e+002	1	ENIVVGGDGADEI I DTMMR
✓	405	594.7200	1187.4254	1188.6172	-1.1918	1	12	3.4e+002	1	EAGMKPKDVSK
✓	878	722.8100	2165.4082	2164.0032	1.4049	1	12	2.1e+002	1	ISSEFDDRINGALSPDADSR
✓	904	558.8200	2231.2509	2231.1467	0.1042	2	12	2.7e+002	1	ISFTGGTSTGKKVMASASSSLK
✓	576	488.9100	1463.7082	1462.7932	0.9150	2	12	3.4e+002	1	LRAKGWIEYASGI
✓	97	677.2800	676.2727	677.2980	-1.0253	0	12	4.5e+002	1	NENSSK
✓	159	386.7000	1542.7709	1543.8504	-1.0795	2	12	1.1e+003	1	MRQRDIEILNLK + Oxidation (M)
✓	334	540.7700	1079.5254	1077.5488	1.9766	0	12	8.6e+002	1	AITAM T QAQK + Oxidation (M)
✓	1007	847.0500	2538.1282	2538.2036	-0.0754	1	11	2.3e+002	1	MTGNEFRFFLSCDISVPV T F R + Oxidation (M)
✓	111	353.5100	705.0054	703.3249	1.6805	0	11	3.2e+002	1	QGGSGGGGK
✓	547	471.7000	1412.0782	1412.7082	-0.6300	0	11	2.6e+002	1	MAPHTQGSNLTIK + Oxidation (M)
✓	722	604.7300	1811.1682	1810.8342	0.3340	1	11	2.6e+002	1	MANAVKSNH S VMESYK + Oxidation (M)
✓	93	332.4400	662.8654	661.3283	1.5372	0	11	9.7e+002	1	VDALSSA
✓	550	474.2900	1419.8482	1417.7599	2.0883	1	11	3.5e+002	1	AAPGTVASVMASKTK
✓	300	507.6600	1013.3054	1011.4695	1.8359	0	11	3e+002	1	ANASDMFLK + Oxidation (M)
✓	585	494.9200	1481.7382	1479.7868	1.9514	2	11	3.4e+002	1	SGKFIDVKIACSR
✓	1058	702.0700	2804.2509	2803.5670	0.6839	1	11	2.1e+002	1	ASLTGIAILNTSVAPMLNPF I YTLR
✓	454	632.6900	1263.3654	1262.5680	0.7975	1	11	2.9e+002	1	FADYSSRD F R
✓	898	555.6300	2218.4909	2219.0814	-0.5905	1	11	2.1e+002	1	IGDVIDLEMGGDEML T RD L K
✓	1180	578.0500	3462.2563	3460.6194	1.6370	1	11	1.3e+002	1	ALGLPSRFGWNGDPVPPQHPWSGANCQLDK
✓	64	623.3500	622.3427	621.3333	1.0094	0	11	3.3e+002	1	SSSITK
✓	432	613.9100	1225.8054	1223.6254	2.1801	1	11	3.2e+002	1	KL S IDMITCK + Oxidation (M)
✓	931	757.1100	2268.3082	2269.2008	-0.8926	1	11	2.6e+002	1	GSKVHYLFFNLGGPAHEIGVK
✓	626	817.8900	3267.5309	3267.5879	-0.0570	1	11	7.3e+002	1	TEPMQALAAHKGPVVGPHPMFGPDV G SLAK + 3 Oxidation (M)
✓	1022	642.2300	2564.8909	2564.2579	0.6330	1	11	1.9e+002	1	ANHADL G I A L D GDAD R LQV D SSGR
✓	1067	711.3200	2841.2509	2841.3708	-0.1200	2	11	2.1e+002	1	ENYGD S L I KDEPSES G VVEV K FSK
✓	910	747.6700	2239.9882	2239.0916	0.8966	2	11	2.7e+002	1	HHQMQPTVSEN Y ANV K GKR + Oxidation (M)
✓	975	585.5000	2337.9709	2337.2957	0.6752	2	11	2.4e+002	1	RILKSTGSIWIGVSFQNIYR
✓	451	630.9000	2519.5709	2518.2883	1.2826	1	11	8.6e+002	1	QLASLAGQGREVL M VSSGAIAEGMK + Oxidation (M)
✓	1036	533.1300	2660.6136	2661.2745	-0.6609	2	11	2e+002	1	EKASDGT P VIV F FD E MSV F TR + Oxidation (M)
✓	198	421.4800	840.9454	841.4228	-0.4774	0	11	2.5e+002	1	MGALASHR
✓	1097	721.5600	2882.2109	2883.3565	-1.1456	2	11	2e+002	1	AGDIDLKMAPCANLAEATSECTKFVR + Oxidation (M)
✓	1152	778.1000	3108.3709	3106.6710	1.6999	2	11	1.9e+002	1	GRLGGGVGTLM T NLALEHALGKEGIP F QR + Oxidation (M)
✓	268	317.1700	948.4882	948.4698	0.0183	1	11	4.3e+002	1	TVREEGMK
✓	326	529.2800	1056.5454	1054.5084	2.0371	0	11	4.1e+002	1	SYSPTP F TR
✓	1034	660.6700	2638.6509	2639.3860	-0.7351	1	11	2e+002	1	WVGAAAASVIVWENVERIEALER
✓	488	650.2200	1298.4254	1296.6786	1.7468	1	11	3e+002	1	TTHRAVELEGGK
✓	633	833.2400	2496.6982	2496.4097	0.2884	2	11	6.4e+002	1	IQKLMAEGISTGEA I KIVAQQIR
✓	996	833.7600	2498.2582	2497.3039	0.9543	2	11	2.8e+002	1	TFPTLRMG E KYAATSQV F LPK + Oxidation (M)
✓	902	744.2400	2229.6982	2228.0210	1.6771	0	11	2.3e+002	1	QIMTGCQCTDAQIGAFLMGMR
✓	972	467.5500	2332.7136	2332.1039	0.6097	1	11	2.2e+002	1	HVM T NLGEKLTDS E VDEM I R + Oxidation (M)
✓	358	570.4800	1138.9454	1137.5084	1.4370	1	11	2.7e+002	1	SMKGAGTNDNK + Oxidation (M)
✓	1143	761.2600	3041.0109	3041.5541	-0.5432	1	11	1.7e+002	1	GTAASISFMSYILL T MC R NLIT F LR + Oxidation (M)
✓	567	484.3900	1450.1482	1448.7003	1.4479	1	11	2.9e+002	1	VKASPM T PEQAMK + 2 Oxidation (M)
✓	400	593.2700	1184.5254	1185.7081	-1.1827	1	11	4.1e+002	1	LAVELSLTRGK
✓	559	718.7300	1435.4454	1434.7541	0.6914	1	11	3e+002	1	LRVITPAF M EDK + Oxidation (M)
✓	1179	576.1000	3450.5563	3451.7367	-1.1804	2	11	1.8e+002	1	SICTTDTF P KLITSN F TLKNGTQT T LGM A K
✓	1208	958.6700	3830.6509	3829.8960	0.7549	1	11	1.4e+002	1	QSFP L VMHMQ L FNQNSYYQGIK L LSAV P GGER + Oxidation (M)
✓	209	429.3700	856.7254	856.4079	0.3175	0	11	3.8e+002	1	YGIDFSR

✓	379	581.3900	1160.7654	1158.5815	2.1839	0	11	4.3e+002	1	VQSMANLPQR + Oxidation (M)
✓	284	487.5200	973.0254	971.6168	1.4087	0	11	3.8e+002	1	IIIKPFNK
✓	1089	717.3200	2865.2509	2863.4610	1.7899	2	11	2.3e+002	1	DGSLATANSRRQTIMFSATLPFR
✓	208	429.3600	856.7054	856.4879	0.2176	1	11	3.9e+002	1	RIGIENR
✓	566	723.7200	1445.4254	1444.7820	0.6434	2	11	3.1e+002	1	RAMEESGAVLVKR
✓	672	579.5000	1735.4782	1735.9542	-0.4761	1	11	2.8e+002	1	LSGKLIGPPPEDCLLK
✓	519	445.4300	1333.2682	1333.7275	-0.4594	1	11	3.1e+002	1	MLVSGAGDVKLTK + Oxidation (M)
✓	531	451.3800	1351.1182	1349.5823	1.5359	0	11	2.9e+002	1	WMNGELWGEGR + Oxidation (M)
✓	704	603.2400	1806.6982	1807.0066	-0.3084	2	11	3.1e+002	1	IIFAPDKNLGGYLMKK
✓	257	463.4200	924.8254	924.4526	0.3729	1	11	2.5e+002	1	NRHAQGDGK
✓	19	526.3200	525.3127	526.2612	-0.9485	0	11	1.9e+002	1	GHTGR
✓	230	441.6200	881.2254	879.4899	1.7355	2	11	2.9e+002	1	RAGAHRRGR
✓	469	640.2900	1278.5654	1276.6697	1.8958	1	11	4e+002	1	VAETVQDMKLK + Oxidation (M)
✓	775	634.2800	1899.8182	1898.9698	0.8484	2	11	3.3e+002	1	LGSGQSPQTGTPKKEDAAK
✓	1156	779.0800	3112.2909	3112.5798	-0.2889	2	11	1.9e+002	1	VPGVVLNREQDNVQMTASIMPWIQR + Oxidation (M)
✓	142	376.8900	751.7654	750.3946	1.3709	0	11	2.5e+002	1	VISGMTK + Oxidation (M)
✓	637	560.0300	1677.0682	1677.8131	-0.7449	0	11	3.4e+002	1	DSLILLETLDMPER + Oxidation (M)
✓	899	741.5800	2221.7182	2222.0823	-0.3641	2	11	2.4e+002	1	LNYNQLMKTSMNNSRIYK + 2 Oxidation (M)
✓	1044	682.1500	2724.5709	2723.3299	1.2410	2	11	2.4e+002	1	RLPRLVETMLYTDSSVTEFCYK + Oxidation (M)
✓	680	885.3900	1768.7654	1767.8535	0.9119	1	11	3.5e+002	1	KDPLDSMAQLCALYK + Oxidation (M)
✓	851	681.8200	2042.4382	2041.9449	0.4933	0	11	2.6e+002	1	YNGSSLMIDCGEGQTIAVK
✓	965	580.6400	2318.5309	2318.0347	0.4962	1	11	2.4e+002	1	MADEFFPFEISPMFEGEVRV + 2 Oxidation (M)
✓	906	559.8300	2235.2909	2234.1219	1.1690	1	11	3.1e+002	1	FDESFEGLSRISDILLHIK
✓	357	568.9700	1135.9254	1134.5955	1.3300	1	11	3.2e+002	1	VMKVTADDLK + Oxidation (M)
✓	1064	709.4300	2833.6909	2832.3270	1.3639	0	11	2.1e+002	1	ETIAAEDVLHDLGALSMISSDSQAMGR + Oxidation (M)
✓	346	559.6100	1675.8082	1675.8430	-0.0349	0	11	1e+003	1	GPQVAEQPAAVPGNWR
✓	915	1126.4600	2250.9054	2251.0660	-0.1606	1	11	2.7e+002	1	MTGPTMQAVPCGINGFGRIGR + 2 Oxidation (M)
✓	582	741.1700	1480.3254	1479.6623	0.6631	2	11	7.8e+002	1	DAEMNASADKEKR + Oxidation (M)
✓	839	667.2200	1998.6382	1998.9858	-0.3477	0	11	2.6e+002	1	LGTGETVGDVDDPNAVEASR
✓	499	654.8100	1307.6054	1306.6299	0.9755	1	11	4e+002	1	SQMSAVSGRAAEK + Oxidation (M)
✓	1025	643.0100	2568.0109	2568.4057	-0.3948	2	11	2.4e+002	1	MQPLAEATTISKIAAVIVAAGRGR + Oxidation (M)
✓	634	835.1400	3336.5309	3336.6025	-0.0716	1	11	8e+002	1	GTFSHRHAHLHDEQGETYTPPLHHVDPQK
✓	1171	674.6800	3368.3636	3366.6440	1.7196	2	11	1.7e+002	1	RNDLNDSTGQARQTVSQAYEFVIDNIGLDK
✓	297	502.7500	1003.4854	1002.5419	0.9435	0	11	5.2e+002	1	SELVPALMK + Oxidation (M)
✓	160	386.7700	771.5254	770.4286	1.0968	1	11	5.2e+002	1	DPVGGQK
✓	1100	964.0700	2889.1882	2888.5184	0.6697	2	11	2.2e+002	1	SRYIGGGSSAFKLPHPTAPPIYNSDLK
✓	681	591.8000	1772.3782	1772.9720	-0.5938	0	11	3e+002	1	IGVLIHFPQSVTHSMVR
✓	852	512.1100	2044.4109	2044.1074	0.3035	2	11	2.7e+002	1	GMIQIFRVDPNMLGRGLK
✓	201	422.9900	843.9654	844.4766	-0.5112	1	11	4.6e+002	1	LAETATGR
✓	510	661.7900	1321.5654	1319.6544	1.9111	0	11	4.1e+002	1	VPGEYSMPIGVR + Oxidation (M)
✓	387	582.5900	1163.1654	1162.6095	0.5560	1	11	3.5e+002	1	QRGTETPKPK
✓	1124	590.7900	2948.9136	2947.4136	1.5000	2	11	2e+002	1	TSSPGNTLSLMMQAPCALPLDKCRQR + Oxidation (M)
✓	1149	616.7700	3078.8136	3078.3786	0.4350	0	11	2.1e+002	1	IVTWVGDDGNMNCASYMQAANQGFELR
✓	239	449.1200	896.2254	894.5148	1.7107	2	11	2.8e+002	1	GPRRGPAKG
✓	583	494.8900	1481.6482	1480.8436	0.8046	2	11	4e+002	1	MLKTIATKIFGSR + Oxidation (M)
✓	706	603.6200	1807.8382	1805.7859	2.0523	0	11	3.9e+002	1	CHTCQNGGTIVILMDGK + Oxidation (M)
✓	324	527.3100	1052.6054	1050.4804	2.1250	0	11	3.9e+002	1	YLSEQHMK + Oxidation (M)
✓	823	652.1600	1953.4582	1953.0208	0.4374	1	11	2.8e+002	1	FVDVEIVDVYTNSLRGK
✓	837	665.6200	1993.8382	1992.0568	1.7814	1	10	3.3e+002	1	GLKVSFLSFISPPQTDEK
✓	1106	726.3100	2901.2109	2900.5773	0.6336	1	10	2.3e+002	1	GGPAAAAAPPTPAPPPPPAPVAAAAAPARAPR
✓	1157	626.7300	3128.6136	3129.7043	-1.0906	2	10	2.5e+002	1	KIMVLGAGTMGAGIVQTAAGAGFEVVVRDIK
✓	218	435.8700	869.7254	868.4515	1.2740	2	10	3.4e+002	1	DDAHRKK
✓	998	839.6300	2515.8682	2515.1584	0.7098	2	10	2.4e+002	1	FRAIVANSNGNANCFKTDGMDEAK
✓	260	464.8700	927.7254	928.3960	-0.6706	0	10	4.1e+002	1	FGTGGMESK + Oxidation (M)
✓	440	620.8500	1239.6854	1238.5747	1.1107	1	10	4.3e+002	1	TLKEMSQSCR
✓	843	672.6600	2014.9582	2016.0058	-1.0476	0	10	3.7e+002	1	TNIMPGGVAASAQSAATLNAR + Oxidation (M)
✓	892	738.2500	2211.7282	2209.8376	1.8906	0	10	2.7e+002	1	DSTEVGGAGQMMESSDDSGYR + 2 Oxidation (M)
✓	1043	679.5000	2713.9709	2714.2428	-0.2719	2	10	2.3e+002	1	DRQDRDMLFGPTNEEMITDIFR + Oxidation (M)
✓	342	554.3600	1106.7054	1104.5663	2.1392	1	10	4.7e+002	1	KTIDETPSSK
✓	1069	711.7500	2842.9709	2842.4436	0.5273	1	10	2.2e+002	1	NTFREILINGDGIWGTMDHLNK + Oxidation (M)
✓	786	382.7300	1908.6136	1909.0832	-0.4696	2	10	3e+002	1	KRPVMIHRLFGSIER
✓	731	610.8400	1829.4982	1829.0444	0.4537	2	10	3e+002	1	NLIAKKTDIMVGVNIGK + Oxidation (M)
✓	390	584.1600	1749.4582	1749.8686	-0.4104	1	10	9e+002	1	KNAAPDSSSYVASLYHK
✓	969	778.2400	2331.6982	2332.0177	-0.3195	1	10	2.6e+002	1	SKNTGSSSTWGNNSQHSNGER
✓	629	551.7000	1652.0782	1652.8201	-0.7419	1	10	3.5e+002	1	ELVRMVAISMVR + 2 Oxidation (M)
✓	1001	840.6200	2518.8382	2518.2989	0.5393	1	10	2.4e+002	1	RFSIEGVDMLVPVLDEIVSEGAK + Oxidation (M)
✓	189	416.0900	830.1654	830.3770	-0.2116	0	10	5.1e+002	1	DDPVTER
✓	954	766.8100	2297.4082	2296.3341	1.0741	0	10	2.9e+002	1	LLLLLVVMASDLPOAHGHLK + Oxidation (M)
✓	446	625.6100	1873.8082	1872.1131	1.6951	2	10	1.1e+003	1	SLIHHRILMSLPIAKK + Oxidation (M)
✓	1015	850.3000	2547.8782	2548.1976	-0.3194	1	10	2.5e+002	1	DDLRFDSGNNPVLSTATINNPR + Oxidation (M)
✓	388	582.9700	1163.9254	1162.6459	1.2796	0	10	3.6e+002	1	ISDPVQVLHR
✓	855	696.2400	2085.6982	2086.8659	-1.1677	2	10	2.9e+002	1	CECFTGYTGTYCERKR
✓	995	833.5700	2497.6882	2498.3077	-0.6195	2	10	2.6e+002	1	KGHALANRQACQHVANIWQAL
✓	223	435.9100	869.8054	868.3605	1.4449	0	10	3.5e+002	1	AMMTAGCK
✓	467	639.7100	1277.4054	1276.7364	0.6691	1	10	3.9e+002	1	VLRNHLQEIR
✓	800	642.2000	1923.5782	1923.9030	-0.3248	2	10	3e+002	1	SFSPMKSAMKNSPSAGTSK + 2 Oxidation (M)
✓	917	751.9900	2252.9482	2251.1022	1.8460	2	10	3.2e+002	1	SWFSFGKDEGNKASVPAAPTR
✓	1065	710.7300	2838.8909	2837.5109	1.3800	2	10	2.3e+002	1	LHTELLSLMETEKKAGGVENWALR
✓	351	376.8900	1127.6482	1127.6550	-0.0068	0	10	5e+002	1	ASLPQITTLGK
✓	766	627.2000	1878.5782	1876.8963	1.6819	2	10	3.1e+002	1	RRDQGVSDMVGGGPFR + Oxidation (M)
✓	1011	849.4500	2545.3282	2545.4111	-0.0829	1	10	3.4e+002	1	LALIIDPMLATGGSMTIDLLKK + 2 Oxidation (M)

✓	545	462.5100	1384.5082	1385.6757	-1.1675	0	10	4.1e+002	1	MVMIETFLGMAK + Oxidation (M)
✓	895	739.3700	2215.0882	2216.1048	-1.0167	2	10	3.9e+002	1	AAGRKGVDFFSFQGMTIEQK
✓	130	733.4900	732.4827	730.4337	2.0490	0	10	6.6e+002	1	AISVVSRR
✓	264	469.3000	936.5854	935.4858	1.0996	1	10	4.8e+002	1	KSISVSCR
✓	341	553.9100	1105.8054	1104.6139	1.1916	1	10	4.4e+002	1	NAAITSTAKK
✓	394	588.0200	1174.0254	1173.5998	0.4256	0	10	4.1e+002	1	RPCGPMILISK + Oxidation (M)
✓	438	619.9400	1237.8654	1235.7238	2.1417	0	10	3.8e+002	1	VVPLDVQLTPR
✓	428	612.6300	1223.2454	1221.6578	1.5876	1	10	3.5e+002	1	EPPGGIGGGVARR
✓	1135	502.6800	3010.0363	3009.5892	0.4471	1	10	2.2e+002	1	VVDGVALTRWDAAGALALGGMAMIALQPR + Oxidation (M)
✓	1082	572.5000	2857.4636	2857.4835	-0.0198	2	10	3.1e+002	1	LSIAEASSEAHVGSEVSVRGWVYRIR
✓	631	829.7400	2486.1982	2484.2894	1.9088	2	10	9.2e+002	1	KSLEERENAGVDPTLTIPMIQK + Oxidation (M)
✓	936	759.9600	2276.8582	2277.1133	-0.2552	0	10	3e+002	1	LVDNVEGPVISSNGSMPLMFR + Oxidation (M)
✓	674	871.9200	2612.7382	2613.3537	-0.6156	1	10	9.4e+002	1	QLPKLTPFALSNAEDLDADLISDK
✓	836	664.2100	1989.6082	1990.0445	-0.4363	1	10	3.2e+002	1	ISTDGDIMFKAIITPPK + Oxidation (M)
✓	916	1126.6400	3376.8982	3376.4654	0.4328	1	10	7.1e+002	1	IPHLETCDTCGGSGAKAGSGPTTCGTCGGAGQVR
✓	656	567.5000	1699.4782	1699.9006	-0.4224	1	10	3.5e+002	1	RLNVTNAFHSSLVDK
✓	639	840.1600	1678.3054	1677.8210	0.4845	0	10	3.5e+002	1	GATLAELDGVVSDFER
✓	79	642.9200	641.9127	641.3245	0.5882	0	10	3.1e+002	1	TGAHTR
✓	225	437.7500	873.4854	872.4828	1.0027	1	10	6.9e+002	1	NVLERSR
✓	1078	713.2800	2849.0909	2848.3829	0.7080	1	10	2.5e+002	1	IGKFLQLYHMQEESPGMIFWHNK + Oxidation (M)
✓	964	1159.3600	4633.4109	4633.2251	0.1858	0	10	6.2e+002	1	AVSSALLPMGGAVSGVAGSNWMLIGDAAACVNPLNGEGIDYGLETGR
✓	512	443.7700	1328.2882	1326.6820	1.6062	2	10	3.9e+002	1	KLGFDPVKDYDK
✓	329	530.7500	1059.4854	1058.5291	0.9563	1	10	6e+002	1	MHGKSLGSSR
✓	675	582.4300	1744.2682	1742.7902	1.4779	0	10	3.5e+002	1	SNNMCIVGGFTQMIR + Oxidation (M)
✓	1024	856.3300	2565.9682	2564.4340	1.5342	2	10	2.7e+002	1	VEHVPPFPVDQVVVKNRPR
✓	452	631.7000	1261.3854	1261.7142	-0.3288	2	10	4.3e+002	1	ELQLKYNKAR
✓	184	412.6100	823.2054	823.4916	-0.2861	0	10	3.8e+002	1	AVTVIGHK
✓	433	614.8800	1227.7454	1225.5826	2.1628	1	10	5.3e+002	1	DSADKSLEAYK
✓	1031	867.9400	2600.7982	2599.0762	1.7219	0	10	2.7e+002	1	NSAQGAECSCQVTVDDAQTSENTK
✓	833	655.9200	1964.7382	1964.9448	-0.2066	1	10	3.4e+002	1	EPLPEQMTVRLYNGMR + 2 Oxidation (M)
✓	930	1134.8300	2267.6454	2268.0950	-0.4496	1	10	6.6e+002	1	EDQEIYDAIKADVWLGFK
✓	1183	589.8300	3532.9363	3531.7488	1.1875	1	10	2.3e+002	1	SANFTDNAKTIIVQLNQSVEINCTRPNNNTR
✓	541	456.5500	1366.6282	1364.5667	2.0615	0	10	4.8e+002	1	YGGHAMGDEETAK
✓	457	635.1900	1902.5482	1901.8942	0.6540	0	10	9.8e+002	1	FELSADNDVVAIHADMR
✓	1176	852.7700	3407.0509	3405.5277	1.5232	0	10	2e+002	1	NPTDEILEGMMNEAPGFINFMTFLTMFGKEK + 2 Oxidation (M)
✓	925	754.5700	2260.6882	2261.1871	-0.4990	2	10	3e+002	1	DVVMILLGNKADMSSSERVIR + Oxidation (M)
✓	199	422.9800	843.9454	844.4515	-0.5060	2	10	5.5e+002	1	KGRAEER
✓	808	645.8200	1934.4382	1933.0632	1.3749	2	10	3.3e+002	1	DVSLADLKGILLEVYSRR
✓	699	599.6200	1795.8382	1793.9821	1.8560	2	10	4.6e+002	1	LTQYAMQLRSKQALK + Oxidation (M)
✓	237	447.6200	893.2254	892.4688	0.7567	1	10	4.5e+002	1	DVSKGLMK + Oxidation (M)
✓	846	1013.7400	3038.1982	3037.2438	0.9544	2	10	7.6e+002	1	YGYGQCEVCCCKAGHNGGTCTMFFK + Oxidation (M)
✓	977	470.9700	2349.8136	2349.1564	0.6572	2	10	3e+002	1	AGDSLVMVMIAMKMEHTIKSPK + 2 Oxidation (M)
✓	455	632.9200	1263.8254	1262.6037	1.2217	1	10	5.1e+002	1	NLGVSDARMER + Oxidation (M)
✓	668	866.3700	1730.7254	1729.8305	0.8950	1	10	4.7e+002	1	AAITMQPREADASPEK + Oxidation (M)
✓	578	490.0200	1467.0382	1466.7326	0.3055	1	10	3.9e+002	1	EKKMEALTEIFK
✓	970	778.2600	2331.7582	2330.1069	1.6513	1	10	3.1e+002	1	IYSTSRMVSSLLMNFVQPNK + 3 Oxidation (M)
✓	55	308.2900	614.5654	615.2976	-0.7322	0	10	6.3e+002	1	GPSAER
✓	677	878.3400	3509.3309	3509.7867	-0.4558	2	10	8.8e+002	1	YASILMGISNGVGTLSGMVCPPIIVGAMTKHKTR + 3 Oxidation
✓	219	435.8700	869.7254	870.4348	-0.7094	1	10	4.1e+002	1	DHGKTKW
✓	785	636.9200	1907.7382	1905.9778	1.7604	0	10	3.9e+002	1	FSYPSTHPFILIWGNK
✓	206	426.3800	850.7454	851.3807	-0.6353	0	10	4.1e+002	1	LGGSEMSR + Oxidation (M)
✓	783	953.4300	1904.8454	1905.9585	-1.1130	1	10	4.5e+002	1	WRVEIVSSNPSDLGGYK
✓	350	564.2800	1126.5454	1125.6870	0.8585	1	10	5.4e+002	1	LDLILQKGLAR
✓	1113	971.7400	2912.1982	2913.3298	-1.1316	1	10	2.8e+002	1	SDISEDSNHMLVADIKSSAAVEHGEK + Oxidation (M)
✓	386	582.3400	1162.6654	1163.5968	-0.9314	1	10	5.9e+002	1	LLSGMSEKQR + Oxidation (M)
✓	487	649.2700	1296.5254	1296.7037	-0.1783	0	10	4.8e+002	1	ENAALEPVVLSR
✓	517	667.2500	1332.4854	1332.6317	-0.1462	2	10	4.9e+002	1	MGSNDRASRSPR
✓	1101	578.9400	2889.6636	2890.4052	-0.7416	2	10	3e+002	1	TDQKVLGEELDGCNSKLMELDAAVQK
✓	364	572.1100	1142.2054	1141.5914	0.6141	0	10	4.5e+002	1	DIPVQLGGGMR
✓	1050	559.3100	2791.5136	2791.2905	0.2231	2	9	3.5e+002	1	DQTMGEVEHKAVTAAGFLARQMEQ + Oxidation (M)
✓	1104	483.8100	2896.8163	2895.5567	1.2597	0	9	2.6e+002	1	IGNDGKPVFLSNNAAGGILGGISTGQAIVAR
✓	597	766.9100	2297.7082	2297.0450	0.6632	1	9	1.2e+003	1	ALLENAAAGEMGAKMTAMDNATR + 2 Oxidation (M)
✓	1167	839.5500	3354.1709	3354.7217	-0.5508	1	9	2.2e+002	1	SSPAKMYDIEILPGGFRPARPSMDVAGHVK + Oxidation (M)
✓	935	759.6700	2275.9882	2276.2376	-0.2494	2	9	4e+002	1	SINGTSYIIPASINKDGTIGKK
✓	1102	965.9900	2894.9482	2894.4444	0.5038	1	9	2.6e+002	1	MSHISTGGGASLELLEKKNLPGVAALNEN + Oxidation (M)
✓	246	453.0100	904.0054	902.5073	1.4982	1	9	5.3e+002	1	LSVEEAKK
✓	540	683.2100	1364.4054	1362.7269	1.6785	1	9	4.2e+002	1	HGQFVRDVIHR
✓	849	678.2500	2031.7282	2032.0874	-0.3593	0	9	3.6e+002	1	QLSILCESSVAVVVVSASGK
✓	966	774.9800	2321.9182	2323.1128	-1.1946	1	9	3.5e+002	1	HGGRMTDLSTLDVNDQHLAR + Oxidation (M)
✓	1086	573.0600	2860.2636	2858.3446	1.9190	2	9	3.2e+002	1	MRLVNRYWVDYDEFSQAAPQNEK
✓	793	639.8300	1916.4682	1915.9904	0.4777	2	9	3.6e+002	1	RQNGDDPLLTYRFFPK
✓	987	806.6300	2416.8682	2416.1045	0.7636	1	9	3.2e+002	1	LNVDENYSFSFYDRMPLYK + Oxidation (M)
✓	171	394.4900	786.9654	785.3708	1.5947	0	9	6.3e+002	1	YYLDGR
✓	1123	980.1200	2937.3382	2938.3883	-1.0501	1	9	3.3e+002	1	LCIMVGANASDKMGMTTYLALMATFR + Oxidation (M)
✓	475	644.2700	1286.5254	1287.7034	-1.1780	0	9	5.9e+002	1	EVDTLTQTILR
✓	1219	965.4400	4822.1636	4820.1359	2.0277	2	9	1.2e+002	1	FRQFMQFDADTVSGSGSPAADAEMCMMAADTMEALGIPRGSYLVK + 3
✓	277	483.2600	964.5054	963.4848	1.0207	0	9	6e+002	1	LDPMVAFR + Oxidation (M)
✓	435	617.3900	1232.7654	1232.6223	0.1431	0	9	6.1e+002	1	EAMGFPLLNNK
✓	258	463.8600	925.7054	924.4739	1.2316	0	9	4.1e+002	1	DMPKPPPK + Oxidation (M)
✓	426	611.9000	1221.7854	1222.5982	-0.8128	0	9	5.5e+002	1	LQSWGQTFEK
✓	842	669.1300	2004.3682	2004.0024	0.3657	2	9	3.7e+002	1	KLEEYVHSRGTSSSTASPR

✓	610	779.4800	1556.9454	1555.6613	1.2841	0	9	1.2e+003	1	DTFGEGETAAFHMK + Oxidation (M)
✓	789	957.1500	1912.2854	1911.9585	0.3270	1	9	3.9e+002	1	SASASPLTPCSVTRSVHR
✓	408	599.3400	1196.6654	1195.5833	1.0821	0	9	5.6e+002	1	GLINYSSADTR
✓	962	771.2600	2310.7582	2310.0339	0.7243	2	9	3.4e+002	1	TCPCAGKNLCYKMYMVAMPK + 3 Oxidation (M)
✓	951	765.5500	2293.6282	2292.2222	1.4060	2	9	3.4e+002	1	MKIVFALGGSVLMPKEGASVDK + Oxidation (M)
✓	1040	672.4300	2685.6909	2686.3595	-0.6686	2	9	3.1e+002	1	RHCSSSEILSDSLEAALKDLNSTIK
✓	1131	599.3700	2991.8136	2992.6321	-0.8184	1	9	2.8e+002	1	FLWIPLDSSPRSAIVAHLGMSGQILLR + Oxidation (M)
✓	1134	751.8400	3003.3309	3003.4834	-0.1525	2	9	3.2e+002	1	WFHESVMIVVARGDKTDEDGVPMLLK + 2 Oxidation (M)
✓	658	853.5900	3410.3309	3410.5983	-0.2674	2	9	9.7e+002	1	LINHMDKNGFDEVIHADPSQRENDTIMKG + Oxidation (M)
✓	266	471.8100	941.6054	939.4298	2.1757	1	9	5.8e+002	1	ESKGGYDGGK
✓	317	519.0800	1036.1454	1035.5093	0.6362	0	9	4.5e+002	1	AEMLGQIMK + Oxidation (M)
✓	513	444.4100	1330.2082	1330.6477	-0.4395	1	9	4.7e+002	1	QQSEARDGDVVVK
✓	213	431.9000	861.7854	862.3933	-0.6079	0	9	5.4e+002	1	GNDTFGPR
✓	1209	958.9400	3831.7309	3832.7181	-0.9872	2	9	2.2e+002	1	AAKQESKMDEPAESDSTNVQNNTPVAVNTGDPETDK + Oxidation
✓	314	518.0000	1033.9854	1033.5590	0.4264	1	9	5.1e+002	1	KNLCLTGTK
✓	349	563.7600	1125.5054	1125.5778	-0.0724	0	9	5.6e+002	1	VTQSEVHAQK
✓	918	752.7000	2255.0782	2254.2031	0.8751	1	9	4.6e+002	1	HLGKPLDQMEPYLLELSKK + Oxidation (M)
✓	1094	576.5000	2877.4636	2875.3323	2.1314	2	9	3.7e+002	1	MQEQLSAATAEMVMLSTEETEKKMK + 2 Oxidation (M)
✓	377	577.1300	1728.3682	1726.9689	1.3993	2	9	1.2e+003	1	KKAASVAEAAQLANISR
✓	391	584.3700	1166.7254	1164.5663	2.1592	0	9	5.5e+002	1	SGSELYIDPGK
✓	526	449.6600	1345.9582	1344.7224	1.2358	1	9	5.1e+002	1	KNIIIFMGPPGAGK + Oxidation (M)
✓	1195	949.3700	3793.4509	3791.9121	1.5388	2	9	1.9e+002	1	MVEEIAEVTRMGVQVAVVIGGNIFRFGVAGGSVGMDR + 2 Oxidat
✓	125	365.4000	728.7854	727.3687	1.4168	0	9	6.2e+002	1	IAEHMK
✓	943	571.5900	2282.3309	2283.3327	-1.0019	2	9	4.2e+002	1	LIPLNQAAQVGKWWAAHIVKR
✓	118	359.1600	716.3054	714.4388	1.8666	0	9	9.2e+002	1	ITGVVAR
✓	416	603.5600	1205.1054	1205.5611	-0.4557	0	9	4.9e+002	1	MAQQYQPGQR
✓	49	603.4300	602.4227	603.3493	-0.9265	1	9	1.1e+003	1	GRFPK
✓	627	821.2500	1640.4854	1639.9079	0.5775	1	9	4.3e+002	1	ATGKIAAVPVGEAMLGR
✓	882	728.8300	2183.4682	2183.1020	0.3662	2	9	3.7e+002	1	MWDYLKDLNLFALPRVR + Oxidation (M)
✓	425	610.4400	1218.8654	1217.6404	1.2250	1	9	5.6e+002	1	KSAIYSTPSHK
✓	1059	705.0100	2816.0109	2815.4803	0.5306	1	9	3e+002	1	GCPQWTVEIHQSPVILISGSPRGIGK
✓	644	842.3400	2523.9982	2522.2798	1.7183	2	9	1.1e+003	1	IDSLVEQLYDISKRLMQNEGR + Oxidation (M)
✓	794	640.2600	1917.7582	1917.8925	-0.1343	1	9	4.5e+002	1	MSGDTVHIQDAMGEKVGGK + Oxidation (M)
✓	336	544.3500	1086.6854	1084.6492	2.0363	1	9	7e+002	1	DLKVALIDAK
✓	720	906.1200	3620.4509	3620.8737	-0.4228	2	9	1.1e+003	1	TKIYRITISFDYSTLMSPFFLMMPPTLK + Oxidation (M)
✓	211	430.8700	859.7254	857.5335	2.1920	1	9	6.8e+002	1	KVVTGLGGK
✓	354	568.6500	1135.2854	1133.5717	1.7138	0	9	5.1e+002	1	WDAVNTLTSK
✓	596	764.2500	1526.4854	1526.7729	-0.2874	0	9	4.6e+002	1	EDIDEAVHAILFR
✓	694	599.3700	1795.0882	1794.0251	1.0631	1	9	5.2e+002	1	AVTGLGLGEAKALVEAAPK
✓	625	817.0300	1632.0454	1631.9247	0.1208	1	9	5.3e+002	1	VTAIVGPSGGGKTTLFK
✓	466	639.2700	1276.5254	1274.5011	2.0244	1	9	1.5e+003	1	SAPARNEEDDDG
✓	530	676.5400	1351.0654	1351.6918	-0.6263	0	9	4.6e+002	1	MAQYVSAIANLR + Oxidation (M)
✓	1085	715.7500	2858.9709	2858.4425	0.5284	0	9	3e+002	1	SLYTEWGCTNYINLGSFLIKPVQR
✓	885	732.9400	2195.7982	2194.0609	1.7372	2	9	3.9e+002	1	RVLGESGEMDALKIQMEEK + 2 Oxidation (M)
✓	462	638.2400	1274.4654	1275.6605	-1.1951	0	9	6.1e+002	1	VGAITVATNMAGR + Oxidation (M)
✓	1177	683.0500	3410.2136	3409.7874	0.4262	2	9	2.4e+002	1	DVNLNVLEVKNSDKIALLIAQNAEQLENR + Oxidation (M)
✓	427	611.9500	1221.8854	1220.6666	1.2189	1	9	5e+002	1	SHSFFSLLR
✓	1170	842.3300	3365.2909	3363.7530	1.5379	2	9	2.5e+002	1	ETLGVTLRETNIIDLMKRPDLDYAALMR + Oxidation (M)
✓	406	595.2200	1188.4254	1186.6193	1.8061	0	9	6.4e+002	1	DQLAATLGAAEK
✓	74	634.8200	633.8127	633.3156	0.4971	0	9	6.2e+002	1	MAGEVK
✓	397	589.8300	1177.6454	1175.5063	2.1391	0	9	6.8e+002	1	APVECDQAR
✓	1145	764.0400	3052.1309	3052.5415	-0.4106	2	9	2.9e+002	1	IFQGIAHHCLEEKSLKCVFAFSYLR
✓	123	723.6000	722.5927	720.3919	2.2008	0	9	4.8e+002	1	GGFSVVR
✓	445	624.3100	1246.6054	1244.6230	1.9824	2	9	7.1e+002	1	HERVMRVMR + 2 Oxidation (M)
✓	1153	778.1100	3108.4109	3106.6498	1.7611	2	9	3.5e+002	1	TSEVQLVRCQAQGLNLWLHQVHSYK
✓	1193	752.2900	3756.4136	3754.9671	1.4465	2	9	2.1e+002	1	NLAQMLKGGVIMDVTTPEEIIAIEKAGAVVMALER + Oxidation
✓	103	694.6200	693.6127	693.3082	0.3045	0	9	4.6e+002	1	SYDGPR
✓	319	524.3600	1046.7054	1047.5746	-0.8692	1	9	7.6e+002	1	ALVIMKDSR + Oxidation (M)
✓	1203	957.1800	3824.6909	3825.7653	-1.0744	2	9	2.4e+002	1	LHKGNATVIGRGSSDSSSLYVPEMASYGSQDQDHR + Oxidation
✓	859	708.3100	2121.9082	2121.0421	0.8661	0	9	4.9e+002	1	MQIMTHLPGAISDMIIYIR + 2 Oxidation (M)
✓	1190	613.6700	3675.9763	3675.7329	0.2435	1	9	2.8e+002	1	TAHNTNENGSELYEYBETPTPSLKNVTFPPSPK
✓	249	456.0700	910.1254	908.4352	1.6903	0	9	4.2e+002	1	INNTEYR
✓	607	778.3700	1554.7254	1553.8274	0.8981	1	9	6.5e+002	1	RLLAQQAGAADGNAK
✓	290	491.9900	981.9654	981.5131	0.4523	1	9	4.4e+002	1	TLKGGYTDK
✓	295	496.3600	990.7054	990.5783	0.1271	0	9	7.4e+002	1	LLAISVTMK + Oxidation (M)
✓	1075	570.1700	2845.8136	2844.4767	1.3369	0	9	3.3e+002	1	ILLYISDVAMIITLMTLGTFFYMK + 3 Oxidation (M)
✓	874	717.2600	2148.7582	2149.1123	-0.3541	1	9	4.1e+002	1	ENTLVATVSMNGLDIAVKK + Oxidation (M)
✓	1107	727.3000	2905.1709	2906.3141	-1.1432	1	9	3.3e+002	1	ASGLYSQGRETFPSMSQNSSYSGFFPPQK + Oxidation (M)
✓	1192	751.3600	3751.7636	3751.8033	-0.0397	1	9	2.8e+002	1	GATITLAVAGGFSAGSIMSGSKSTMSQDAYVSATSNVNK + Oxidat
✓	255	461.1000	920.1854	918.4481	1.7374	0	9	6.1e+002	1	MSPSVASPK + Oxidation (M)
✓	543	691.7200	2072.1382	2070.9186	1.2196	0	9	1.4e+003	1	MICQLLWHEHNSMGSGR + Oxidation (M)
✓	549	709.1900	1416.3654	1414.7568	1.6086	1	9	5.3e+002	1	ANPQQVNELFKK
✓	854	689.0300	2064.0682	2064.8373	-0.7692	1	9	5.6e+002	1	SGICAEDCGYCGSVKMK + Oxidation (M)
✓	1150	774.5200	3094.0509	3094.5659	-0.5150	2	9	3e+002	1	TIPDYPKPGVQFRDVTTLMGDAQAFRR + Oxidation (M)
✓	570	727.1200	1452.2254	1450.8078	1.4176	2	9	5e+002	1	SLFKRGISALQMR + Oxidation (M)
✓	948	764.4900	2290.4482	2289.1497	1.2985	1	9	4.2e+002	1	LDQAIMVEHIEKMVESVFR + Oxidation (M)
✓	945	762.3000	2283.8782	2283.0545	0.8236	1	9	4.2e+002	1	DDKGTAMIGDQVVTMGQAVVMK + 2 Oxidation (M)
✓	1055	701.0000	2799.9709	2800.3789	-0.4080	1	8	3.5e+002	1	VSPDSFTFPFLLKACSGLSHLQMG + Oxidation (M)
✓	726	908.2500	3628.9709	3628.9484	0.0225	2	8	1.1e+003	1	KAMLEDIAITLGGTVIAEETGLTLEKAGLAELGSAK + Oxidation
✓	465	639.1700	1276.3254	1276.6809	-0.3555	1	8	5.5e+002	1	EISVMTAVQKR + Oxidation (M)
✓	1047	688.2000	2748.7709	2749.3933	-0.6224	2	8	3.5e+002	1	GPRMCTIGSEMAIEIRVVLAMTLR + Oxidation (M)

✓	811	969.7400	1937.4654	1936.9798	0.4857	1	8	4.5e+002	1	LVFGILNLRACVMMQGR + Oxidation (M)
✓	591	752.8300	2255.4682	2255.1000	0.3682	2	8	1.5e+003	1	LKEVAPKCYSDIMQMIGEK + Oxidation (M)
✓	883	732.5600	2194.6582	2194.0502	0.6080	0	8	4.2e+002	1	ASGQIADVNESQATISEGYR
✓	734	613.5200	1837.5382	1835.8909	1.6472	1	8	4.8e+002	1	EAPPNLFSSIMKAAER + 2 Oxidation (M)
✓	1147	766.7400	3062.9309	3063.7085	-0.7776	1	8	3.1e+002	1	VLIGAVPTCMILIGLCILLVGPTPKMPR + 2 Oxidation (M)
✓	950	764.5800	2290.7182	2290.0326	0.6855	1	8	4.2e+002	1	MMAGCGEIDHSINMLPTNRK + Oxidation (M)
✓	1120	733.3200	2929.2509	2929.4097	-0.1588	0	8	3.8e+002	1	LPTYILPCMAPLSLLMAAYATDCANK + 2 Oxidation (M)
✓	399	593.1700	1184.3254	1183.6349	0.6905	0	8	5.7e+002	1	IPLAQPFENR
✓	1154	778.5800	3110.2909	3110.7314	-0.4405	2	8	3.4e+002	1	SRLPAFMIPQLFLPLSQIPTTITGKADR
✓	1056	701.0000	2799.9709	2799.5761	0.3948	0	8	3.6e+002	1	ILAVCLTLAVFTALVASGIGVFYVR
✓	316	519.0100	1036.0054	1036.5699	-0.5645	2	8	5.6e+002	1	SAMRTTVKK + Oxidation (M)
✓	698	599.3800	1795.1182	1794.9741	0.1441	1	8	5.7e+002	1	VTWNDLVRLSTHQVK
✓	1066	711.3200	2841.2509	2842.3205	-1.0696	1	8	4.2e+002	1	NPPGHNSGYMGSRGQQLNAAPLEER + Oxidation (M)
✓	514	666.1900	1330.3654	1330.6122	-0.2468	0	8	5.8e+002	1	HCITGMQLNGGK + Oxidation (M)
✓	81	645.7100	644.7027	643.3653	1.3374	0	8	9.8e+002	1	GVAEIR
✓	1076	712.6400	2846.5309	2845.1530	1.3779	1	8	4.6e+002	1	VSGHWQNYREDMFFMAEDDEAR + 2 Oxidation (M)
✓	294	495.9200	989.8254	990.4739	-0.6484	1	8	6.8e+002	1	ACCSPLRK
✓	889	737.7600	2210.2582	2210.0127	0.2454	0	8	5.6e+002	1	EQVASLEHDFYGADSSNTIK
✓	609	778.7100	3110.8109	3109.6053	1.2056	1	8	1.5e+003	1	TAWLEVGHAHPVCSGMVKASIGTTITAPSLR
✓	434	616.3900	1230.7654	1230.7700	-0.0045	2	8	8.2e+002	1	VVVALKKAPEK
✓	564	721.2800	1440.5454	1441.6871	-1.1417	0	8	6.3e+002	1	QMPDVVATEEPAR
✓	63	623.2100	622.2027	622.3075	-0.1047	0	8	6.8e+002	1	AAHVPE
✓	1165	668.2800	3336.3636	3335.7370	0.6266	2	8	3.2e+002	1	IAMVKREVAIEGDIQVVGFNLSLLMDFPAQR + Oxidation (M)
✓	250	456.5200	911.0254	909.4630	1.5625	0	8	4.7e+002	1	LMENFIK + Oxidation (M)
✓	1111	728.5400	2910.1309	2910.3166	-0.1857	2	8	3.7e+002	1	CCLQEKNCHTASTTTSSTPPKMMLK
✓	956	766.9000	2297.6782	2296.1883	1.4899	2	8	4.4e+002	1	RAQRAAEVQQAIEQETELR
✓	974	585.3000	2337.1709	2336.1967	0.9742	0	8	5.8e+002	1	APVTITVMGLAASMTIASSGEK + 2 Oxidation (M)
✓	907	746.7300	2237.1682	2235.1616	2.0066	1	8	6e+002	1	GLIMEMASAHRLPAGGALAVDR
✓	537	680.2700	1358.5254	1356.8129	1.7126	0	8	7.2e+002	1	LLAPLYAGVTALR
✓	1023	856.1300	2565.3682	2565.2026	0.1656	1	8	5.3e+002	1	ARDGFVMGEGAGVLVMSLEHAMK + 2 Oxidation (M)
✓	453	632.6800	1263.3454	1261.6680	1.6775	1	8	6.2e+002	1	VGYRFTHNL
✓	552	712.1100	1422.2054	1421.7337	0.4718	2	8	5.6e+002	1	LFRDGEFVKMSK + Oxidation (M)
✓	565	722.6600	1443.3054	1441.8028	1.5027	1	8	5.8e+002	1	TDTPIVLEIDAKK
✓	305	510.6600	1019.3054	1017.5575	1.7479	2	8	7.7e+002	1	KMAPIMRR + Oxidation (M)
✓	238	449.1200	896.2254	894.4083	1.8172	0	8	5.1e+002	1	AEDIYER
✓	31	561.3700	560.3627	559.3078	1.0549	0	8	1.3e+003	1	GIGASR
✓	573	731.2600	1460.5054	1461.5799	-1.0744	1	8	6.4e+002	1	ETNNMCSKCYR
✓	587	745.8100	1489.6054	1488.7256	0.8799	0	8	7.3e+002	1	QSIVDHGPCIHR
✓	242	449.6800	897.3454	896.5153	0.8301	2	8	6.3e+002	1	AMLKYKK + Oxidation (M)
✓	368	573.5900	1145.1654	1143.5884	1.5771	0	8	6.8e+002	1	ANGEALLTEAR
✓	551	711.8200	1421.6254	1420.8150	0.8104	2	8	7.6e+002	1	GDLPKREPGILAR
✓	971	778.4600	2332.3582	2331.2950	1.0631	2	8	5.5e+002	1	NLIDLKIYIDTFNDIRFIR
✓	1063	567.5800	2832.8636	2832.4361	0.4275	2	8	3.8e+002	1	KKILLIASMTAGLTACASSAPEEDSR + Oxidation (M)
✓	240	449.5300	897.0454	895.5352	1.5103	0	8	4.9e+002	1	AVAAVGRPR
✓	424	609.1000	1216.1854	1214.6230	1.5624	0	8	6.7e+002	1	LGHMFINDLR
✓	1211	960.2200	3836.8509	3835.2419	1.6090	2	8	3.3e+002	1	MPGPRGAAGGLAPEMRGAGAAGLLALLLLLLLLGLGGR + Oxidation (M)
✓	825	652.6000	1954.7782	1954.9095	-0.1313	1	8	5.7e+002	1	HVYDFDEMTDLSKALR + Oxidation (M)
✓	1172	674.9500	3369.7136	3370.6119	-0.8983	2	8	4e+002	1	VNNAKAGFDWDKQLWLSNQEIHNWSNEK
✓	1002	840.6700	2518.9882	2518.3179	0.6702	1	8	4.5e+002	1	NVIVEIRAGAGGEEAALFAEITYR
✓	1215	966.7800	3863.0909	3861.8991	1.1918	2	8	3e+002	1	EGKQNFFGAMYLEMAEPVQSLMAVKSLAGAVEASK + 2 Oxidation (M)
✓	105	701.3600	700.3527	701.3384	-0.9857	0	8	1.1e+003	1	GTSFYK
✓	170	394.4800	786.9454	786.4209	0.5246	2	8	9e+002	1	EGRGRGR
✓	333	539.6600	1077.3054	1075.5662	1.7392	0	8	7.1e+002	1	IEDGFQVIR
✓	1084	715.7300	2858.8909	2858.3275	0.5634	2	8	3.9e+002	1	MRHYVHCYALHCLDEAASNALRR + Oxidation (M)
✓	1158	791.3800	3161.4909	3159.3907	2.1002	2	8	4.5e+002	1	KECNELYSKANAETVDNMCIGGDVANGK + Oxidation (M)
✓	235	443.7300	885.4454	885.4920	-0.0465	1	8	9.8e+002	1	SPEKQVAK
✓	92	332.4200	662.8254	663.2686	-0.4432	0	8	7.9e+002	1	WGIEC
✓	1133	750.9900	2999.9309	2998.4714	1.4595	2	8	3.7e+002	1	DIKRGLAYSTMSQLGYTMLALQMGSYR + Oxidation (M)
✓	1205	958.1800	3828.6909	3828.7130	-0.0221	0	8	3e+002	1	DEVMDIDVVLVNLMLSCADIGYVEEAEIFR + 3 Oxidation (M)
✓	801	642.7100	1925.1082	1925.9339	-0.8257	1	8	6.8e+002	1	MAMNETSYGSATPKGIIR
✓	529	451.3300	1350.9682	1349.7415	1.2267	0	8	6.3e+002	1	IVNIGPNKPNR
✓	595	761.1400	1520.2654	1518.8406	1.4249	2	8	6.2e+002	1	IDEPSQNLGIKKK
✓	361	571.6300	1141.2454	1140.5703	0.6752	0	8	6.4e+002	1	YSELPLYEK
✓	321	525.8700	1049.7254	1050.6046	-0.8792	2	8	8.1e+002	1	VLHKEGGRR
✓	1201	764.3100	3816.5136	3815.7571	0.7565	0	8	2.7e+002	1	LVAEPPKPDVATVDCESETTSVEIASNPEDTWSK
✓	1121	733.5300	2930.0909	2930.3718	-0.2809	2	8	4e+002	1	DVMMLLLQGVANRKMMAATNMNSESSR + 4 Oxidation (M)
✓	1169	1120.2800	3357.8182	3355.6403	2.1779	1	8	4e+002	1	SLLPYALARSFLFGMDAAEAHELTMMLAR + Oxidation (M)
✓	577	733.3100	1464.6054	1465.6759	-1.0704	0	8	7.7e+002	1	ADYDTMNSPPVLK + Oxidation (M)
✓	1173	848.3400	3389.3309	3389.6806	-0.3497	2	8	3.4e+002	1	TISSLEMELAARSQAQESLVNGAPIISNDMEKK
✓	600	771.5000	1540.9854	1541.8024	-0.8170	2	8	7.5e+002	1	LESYFGGIRNMKK
✓	456	634.6300	1267.2454	1265.6472	1.5983	1	8	6.1e+002	1	LEMGRMATTIK + Oxidation (M)
✓	1019	852.6800	2555.0182	2553.4530	1.5652	1	8	4.9e+002	1	IIQLILQYSSVHEATSKLLER
✓	1061	705.7300	2818.8909	2817.3313	1.5596	2	8	4.2e+002	1	NETFDIYKSMVNEASLDPLNMSRK + Oxidation (M)
✓	244	451.2900	900.5654	899.4209	1.1445	0	8	1.1e+003	1	TSNNTAHR
✓	790	958.3800	1914.7454	1914.0422	0.7033	2	7	6.3e+002	1	SVQKGVPKGSISIQTEEK
✓	1175	682.0900	3405.4136	3405.8718	-0.4582	2	7	3.6e+002	1	EVIETLALSRSQLSQPGEENQILELLIQK
✓	156	770.2200	769.2127	768.4494	0.7633	0	7	5.2e+002	1	HIVSVSK
✓	1186	711.8600	3554.2636	3552.8511	1.4125	1	7	3.2e+002	1	GVIFWDQASGNPLMLQGHNRNSVISVAVLSNKK + Oxidation (M)
✓	1184	591.2000	3541.1563	3540.6712	0.4851	2	7	3.2e+002	1	VEFKEMGIDGMLTAVNSGGVDAANDIDVTKDR + 2 Oxidation (M)
✓	982	790.2400	2367.6982	2366.1875	1.5107	2	7	5.1e+002	1	LQRRIDSTTPPFMSWVYLK + Oxidation (M)
✓	287	489.4300	976.8454	975.4160	1.4294	0	7	8e+002	1	DFFPYCK

✓	1162	649.7100	3243.5136	3241.5458	1.9678	1	7	4.7e+002	1	SAQPIAFVKGVCFTDGGISIKPADGMEDMK + Oxidation (M)
✓	1206	958.4200	3829.6509	3829.9156	-0.2647	1	7	3.1e+002	1	DASLIITGNGDVVEPEDGLIAMGSGGGYQAARALLNK + Oxidat
✓	1142	761.0000	3039.9709	3038.5603	1.4106	1	7	4e+002	1	GEAVAGGIYTVASVGLSMAAVMAGLAVMRALA + 2 Oxidation (
✓	193	418.1600	834.3054	833.4541	0.8513	2	7	1e+003	1	MARGGSKK
✓	299	505.6800	1009.3454	1009.4022	-0.0568	0	7	7.4e+002	1	GDNATMEEK + Oxidation (M)
✓	1181	701.4600	3502.2636	3500.8742	1.3895	1	7	3.3e+002	1	VLSEMDVIDIVAPGQEGEFGVLPHHIPFLSKLK + Oxidation (M)
✓	65	312.2300	622.4454	621.2792	1.1663	0	7	8.2e+002	1	GAEMAK + Oxidation (M)
✓	278	322.7600	965.2582	963.5025	1.7556	0	7	7.2e+002	1	ELLGSGGFGK
✓	814	647.5800	1939.7182	1940.0189	-0.3007	2	7	6.2e+002	1	NSLKQLAKIPYCNITK
✓	252	456.9900	911.9654	912.5505	-0.5850	0	7	6.1e+002	1	RPAITTSR
✓	847	676.6000	2026.7782	2025.8857	0.8924	1	7	6.3e+002	1	SDNPCHRNANCTTVAPGR
✓	994	825.2000	2472.5782	2472.2557	0.3225	2	7	5.1e+002	1	MAEVRDRNLPHQVQVHPQYR
✓	848	676.8600	2027.5582	2027.0662	0.4919	1	7	5.8e+002	1	TMLLTSAFLWVRASYPR + Oxidation (M)
✓	147	758.2800	757.2727	755.3021	1.9706	0	7	1.1e+003	1	CYGSGGR
✓	812	647.2700	1938.7882	1937.9193	0.8689	0	7	6.9e+002	1	QIEAFGTWFPVATMSAGEK + Oxidation (M)
✓	929	756.5100	2266.5082	2267.0351	-0.5269	2	7	5.5e+002	1	ASDPDPADHVCKVMKSGYK
✓	661	857.0300	1712.0454	1710.8512	1.1943	0	7	7.9e+002	1	EAAIMGQFDHPNIIR
✓	409	600.5600	1199.1054	1198.6782	0.4273	1	7	7.6e+002	1	ATVRNELLQR
✓	178	404.0300	806.0454	806.3592	-0.3138	0	7	8.4e+002	1	NTMAQDK
✓	649	846.7100	1691.4054	1689.7563	1.6492	2	7	6.6e+002	1	GDKGEMSGPGAPCQKR + Oxidation (M)
✓	830	654.9200	1961.7382	1961.9854	-0.2472	2	7	6.6e+002	1	MGFNNDGADVALRRLAAR + Oxidation (M)
✓	1212	768.5500	3837.7136	3835.6705	2.0431	1	7	3.5e+002	1	AAETFFYLSNIVPQDFDNNSGYWNRIEMYCR + 2 Oxidation (M)
✓	602	771.6300	1541.2454	1539.8256	1.4198	1	7	7.2e+002	1	LESITKEISAHNK
✓	447	626.2000	1250.3854	1248.6860	1.6994	2	7	7.6e+002	1	DRLVTVGVKSMMK + Oxidation (M)
✓	1048	697.4900	2785.9309	2785.4221	0.5088	2	7	5e+002	1	ISWERLVADAFAFMSRSLSFAGQSIK + Oxidation (M)
✓	1144	763.8000	3051.1709	3050.6876	0.4833	1	7	4.4e+002	1	ALVTLGNNAAFSTNQAIIRELGGIPIVGNK
✓	131	737.2700	736.2627	734.3460	1.9167	0	7	9.5e+002	1	VNGAHT
✓	1116	583.9700	2914.8136	2914.4938	0.3198	2	7	4.8e+002	1	VYAEKMTIELKAWVPATAAAFEYR + Oxidation (M)
✓	195	418.7200	835.4254	835.3923	0.0331	0	7	1.1e+003	1	ADSTVESK
✓	245	451.6100	901.2054	899.5116	1.6938	0	7	1e+003	1	FVPPALEK
✓	293	494.9200	987.8254	986.5257	1.2997	1	7	9.6e+002	1	NSGARVEVR
✓	593	755.5900	1509.1654	1508.7479	0.4175	1	7	7.2e+002	1	MFMTESRLTHLK + Oxidation (M)
✓	638	839.8500	1677.6854	1675.9634	1.7220	2	7	8.7e+002	1	RNELPRVIGLRPAW
✓	768	629.2700	1884.7882	1883.0008	1.7873	2	7	8.1e+002	1	IDMKKLLPNMLSPDPR + Oxidation (M)
✓	927	754.9300	2261.7682	2261.2168	0.5514	2	7	6e+002	1	EAYKLLKNSGLNFIGNVEPR
✓	145	379.2100	756.4054	754.4086	1.9969	1	7	1e+003	1	DHLKSR
✓	561	719.2900	1436.5654	1435.6732	0.8923	1	7	8.9e+002	1	VYKGEPESDAWR
✓	920	753.1400	2256.3982	2255.0311	1.3671	0	7	6.4e+002	1	LAMADGSVVMNDNSHITHEK
✓	900	741.9700	2222.8882	2223.0374	-0.1492	0	7	6.7e+002	1	AEIMVPNDFVGAVMQLCEGK + Oxidation (M)
✓	922	753.6600	2257.9582	2258.0381	-0.0799	2	7	7e+002	1	WMGMSSASAMEKKDENLTVK + Oxidation (M)
✓	861	1067.2400	2132.4654	2133.0540	-0.5885	1	7	1.5e+003	1	LYKMAVGVMLAHPYGFTR + Oxidation (M)
✓	1185	710.5200	3547.5636	3548.6839	-1.1202	1	7	4.3e+002	1	ASVSLLLLSAASMASAAMSVSQCAQMCLSNMKAK + 2 Oxidation
✓	58	310.2600	618.5054	619.2925	-0.7871	0	7	1.5e+003	1	ASTADR
✓	91	332.4100	662.8054	663.3374	-0.5319	0	7	1e+003	1	TAMVAR + Oxidation (M)
✓	106	701.4000	700.3927	698.3460	2.0467	1	7	1.4e+003	1	HSDGKR
✓	232	442.3100	882.6054	882.4671	0.1383	0	7	8.6e+002	1	ATQLAHSR
✓	598	770.0600	1538.1054	1538.8239	-0.7184	0	7	7.5e+002	1	LAMATLAVHDAALR + Oxidation (M)
✓	1095	576.5300	2877.6136	2875.4399	2.1737	1	7	6.1e+002	1	ASTPGIVIPPEQITQHGFPYGRCAK
✓	1207	958.4500	3829.7709	3829.9850	-0.2141	1	7	4.1e+002	1	DVLSRGPDELIVIDDQFEQALPQHTATALAAAAQK
✓	482	646.7900	1291.5654	1290.6932	0.8723	1	7	1.1e+003	1	LTGKIDIDNFR
✓	1000	840.4000	2518.1782	2519.1640	-0.9859	2	7	7.4e+002	1	RKIILDCDPGHDDAIAIMMAAK + 3 Oxidation (M)
✓	177	402.3800	802.7454	802.4409	0.3045	1	7	1.1e+003	1	LGRSASGR
✓	1009	849.3100	2544.9082	2543.3721	1.5361	2	7	5.8e+002	1	AVPHFSVSVVARGSGRSVAVLSAAYR
✓	175	397.8800	793.7454	793.3211	0.4244	0	7	8e+002	1	MTHSMR + 2 Oxidation (M)
✓	679	882.1700	2643.4882	2643.4153	0.0729	2	7	2e+003	1	ILNEVTKTIDVGPVGDLSNLGLMSKLLK + Oxidation (M)
✓	653	566.0600	1695.1582	1694.8992	0.2590	2	7	7.8e+002	1	FIRSYKLPPTDSSK
✓	1199	950.9300	3799.6909	3799.7749	-0.0841	2	7	3.9e+002	1	DLQRQPAEARGLSDLLEDSMAELMAGLMQGMQMDHR + Oxidation (
✓	44	587.1300	586.1227	586.3802	-0.2575	1	6	1.1e+003	1	AAKIGK
✓	1218	672.7900	4030.6963	4028.8588	1.8376	1	6	3.3e+002	1	REALSACTSVESMSGAMVSMPHYLSQGVNELTAAGVEK + 2 Oxi
✓	774	950.4400	1898.8654	1896.8272	2.0383	0	6	9.5e+002	1	MEVDGLNNNSNYSATPR + Oxidation (M)
✓	1216	645.4300	3866.5363	3865.8053	0.7311	2	6	3.5e+002	1	ALVATVSPPLHYDEHDYALYMRYSARHAGGQMDR + Oxidation (
✓	162	774.6100	773.6027	773.4218	0.1809	1	6	1.6e+003	1	GMKLPGR + Oxidation (M)
✓	173	397.4900	792.9654	793.3025	-0.3370	0	6	9e+002	1	CDSQER
✓	253	457.5500	913.0854	912.4301	0.6553	0	6	8.9e+002	1	AQSTTYSR
✓	420	605.1100	1208.2054	1208.6335	-0.4281	2	6	8.1e+002	1	EIVKRYCNK
✓	728	609.2600	1824.7582	1824.9258	-0.1676	2	6	9.2e+002	1	DYDAKQGDIVFKDAK
✓	128	732.5900	731.5827	731.3926	0.1901	1	6	1.7e+003	1	RIGSGDK
✓	359	570.6300	1139.2454	1137.5527	1.6928	1	6	8e+002	1	ASPSSGRITYGR
✓	908	1120.1700	2238.3254	2237.0748	1.2506	1	6	8.2e+002	1	YDFGTAGLTPLMKMYTLGK + Oxidation (M)
✓	265	470.3200	938.6254	939.4120	-0.7865	0	6	9.8e+002	1	EAECLYR
✓	139	376.8200	751.6254	750.3331	1.2924	0	6	7.8e+002	1	MGDGTVR + Oxidation (M)
✓	492	653.6400	1305.2654	1305.6711	-0.4056	0	6	9.1e+002	1	SMLGTLAGANSLR + Oxidation (M)
✓	932	568.6800	2270.6909	2270.2021	0.4888	1	6	7e+002	1	ASIYNAPFLEGVVELVKFMK + Oxidation (M)
✓	1013	849.9400	2546.7982	2546.3573	0.4408	2	6	6.5e+002	1	GMKLGASPVKQCALAHGIQVAPR + Oxidation (M)
✓	1160	646.2700	3226.3136	3224.5243	1.7893	2	6	5.2e+002	1	ACAAPRSYANETWTGSMQAAYVELHRR + Oxidation (M)
✓	1126	738.3000	2949.1709	2949.4661	-0.2952	2	6	5.7e+002	1	RKDLTFGNGDPNSTSGFLVPGYVFAK
✓	143	755.9000	754.8927	755.4177	-0.5250	0	6	6.4e+002	1	GPASPSLK
✓	527	675.2700	1348.5254	1349.7191	-1.1936	0	6	1.1e+003	1	AASGFPVFDLPEGIK
✓	412	601.3600	1200.7054	1199.5129	1.1926	0	6	1.3e+003	1	SEAVTQTFCGT
✓	414	603.0700	1204.1254	1203.6645	0.4609	2	6	1e+003	1	KIRSPEMISK + Oxidation (M)
✓	524	673.8000	1345.5854	1345.6911	-0.1057	0	6	1.3e+003	1	VMSDPIADLLTR + Oxidation (M)

✓	621	808.8500	1615.6854	1614.7249	0.9605	0	6	1.1e+003	1	TSYMPAQFSSHFGR
✓	687	893.7800	1785.5454	1785.9333	-0.3879	1	6	8.5e+002	1	SAGLQQAVSRTPVTSER
✓	769	629.9300	1886.7682	1887.9400	-1.1719	2	6	9.5e+002	1	GVFQMSKIKSDIDNYK + Oxidation (M)
✓	1132	749.7500	2994.9709	2995.4054	-0.4345	2	6	5.6e+002	1	SSSGRADRSERSPLSGQLMDLGYLSSSHR + Oxidation (M)
✓	599	771.1100	1540.2054	1538.7987	1.4067	2	6	9e+002	1	SVGREIMRVDPHK + Oxidation (M)
✓	1029	646.2100	2580.8109	2581.2192	-0.4083	0	6	6.5e+002	1	GMVELLAEANQEIPFPLNDVMR + 2 Oxidation (M)
✓	539	682.2800	1362.5454	1363.6619	-1.1165	0	6	1.2e+003	1	ENGEEFVNLSVK
✓	1214	771.1300	3850.6136	3851.0695	-0.4559	2	6	4e+002	1	DAIVLLLSIINPYSNSLSPSFVAAVFGRMKDIWAK + Oxidation
✓	590	751.1600	1500.3054	1500.6878	-0.3824	0	6	9.3e+002	1	DPNEVLAEIDACR
✓	821	651.5700	1951.6882	1950.7546	0.9335	0	6	8.2e+002	1	EHMQYCMDDHPDEISK + 2 Oxidation (M)
✓	1213	770.3100	3846.5136	3845.9258	0.5878	2	6	4e+002	1	SVSPADDILRLTQMNTDLFGGVDAVVKYVLEGHDR + Oxidation
✓	1136	756.5800	3022.2909	3022.5831	-0.2922	1	6	6.4e+002	1	MSELVSVMSAAGGLPQAPLLPEAPKVTVR + Oxidation (M)
✓	138	752.1300	751.1227	750.3660	0.7567	0	6	8.8e+002	1	AYGDVAVR
✓	307	511.6300	1021.2454	1020.5128	0.7327	0	6	1.1e+003	1	LVDFSPSEK
✓	107	351.3000	700.5854	700.3391	0.2463	0	6	1.6e+003	1	PAAEDAK
✓	233	443.1600	884.3054	882.4559	1.8495	1	6	1.1e+003	1	AEPPREGK
✓	999	840.3100	2517.9082	2517.4319	0.4763	2	6	6.8e+002	1	KKEGPQEPDIPPLPPVVVNIIVPR
✓	108	702.6300	701.6227	700.2924	1.3303	0	6	1.7e+003	1	MYEMK
✓	730	610.2100	1827.6082	1826.8660	0.7422	1	6	8.5e+002	1	SEVSPHENTNHKSPHK
✓	46	593.4900	592.4827	592.3221	0.1607	0	6	1.2e+003	1	ILNFS
✓	154	768.2900	767.2827	765.4021	1.8806	0	6	8.9e+002	1	TTEFIR
✓	262	468.2800	934.5454	933.5032	1.0422	2	6	1.5e+003	1	WGGKSSSK
✓	165	777.3600	776.3527	774.3732	1.9795	1	6	1.6e+003	1	GSNGERR
✓	601	771.5100	1541.0054	1538.8052	2.2002	1	6	1.1e+003	1	NQKIETPTENPIR
✓	480	646.4700	1290.9254	1290.6238	0.3017	0	6	1.1e+003	1	NGLIEMENSIR + Oxidation (M)
✓	1006	846.7200	2537.1382	2535.1819	1.9562	1	6	8.6e+002	1	DAQNENVRHGGCLGLGLAGMGTHR + Oxidation (M)
✓	671	868.2200	1734.4254	1734.9628	-0.5374	0	6	9e+002	1	AQTIPVLLTGIEHSTR
✓	69	632.2100	631.2027	629.3497	1.8531	0	6	2.2e+003	1	RPVATS
✓	157	386.5400	771.0654	769.4194	1.6460	1	6	1.1e+003	1	RAPAAER
✓	429	612.9200	1223.8254	1221.6605	2.1650	0	6	1.1e+003	1	YDATLAASVALK
✓	231	441.8200	881.6254	880.4146	1.2108	1	6	1.1e+003	1	GKAAEMMK + Oxidation (M)
✓	398	591.4200	1180.8254	1181.7383	-0.9129	0	6	1.1e+003	1	QILIAGDIVIK
✓	1191	749.3800	3741.8636	3739.7610	2.1026	2	6	5.7e+002	1	FNDLHSGASLTGWMQGEADRVAEFGVAVEMKVK + 2 Oxidation
✓	1210	959.1700	3832.6509	3830.8680	1.7829	2	6	4.6e+002	1	FKAINGSMGPATLNTSSLEGGGGGGGPANGTPAVPKMGVR + 2 Ox
✓	370	574.7900	1147.5654	1147.5768	-0.0113	2	6	1.5e+003	1	MNSKSNAPRK + Oxidation (M)
✓	109	352.1200	702.2254	701.3708	0.8547	0	6	2e+003	1	KPDNTK
✓	248	905.3300	904.3227	904.4953	-0.1725	2	6	1.6e+003	1	FKMHKSK
✓	1020	854.5700	2560.6882	2560.2618	0.4264	1	6	7.2e+002	1	ILFEMSGIDEETAEKALSLASYK + Oxidation (M)
✓	586	745.3500	1488.6854	1488.8222	-0.1367	1	6	1.4e+003	1	KMVGTLIEVLGEK + Oxidation (M)
✓	241	449.5800	897.1454	896.4273	0.7181	1	6	8.4e+002	1	SMETASKK + Oxidation (M)
✓	411	600.6300	1199.2454	1197.6982	1.5472	1	6	1.1e+003	1	VSHLALQKFR
✓	356	568.7600	1135.5054	1134.5683	0.9372	1	5	1.5e+003	1	GGRHINYR
✓	845	1012.7800	3035.3182	3033.6586	1.6596	2	5	2.1e+003	1	LFSNIPEIAQLHRRWLWASVMAPVLEK + Oxidation (M)
✓	186	415.1800	828.3454	829.4810	-1.1356	1	5	1.8e+003	1	SFAKHLK
✓	604	773.8300	1545.6454	1545.7973	-0.1519	1	5	1.4e+003	1	KADMVAGVFHVSAAK + Oxidation (M)
✓	489	651.5500	1301.0854	1300.7173	0.3682	1	5	1.2e+003	1	IQLMIREAEAK
✓	62	621.3900	620.3827	618.3159	2.0668	1	5	1.7e+003	1	GNKMGL
✓	86	655.1900	654.1827	654.4064	-0.2237	0	5	7.8e+002	1	ALGLGPK
✓	1204	958.1600	3828.6109	3828.9318	-0.3209	1	5	5e+002	1	MAAEILEKEPTLIQVEAPITVCGDTHGQFYDLIK
✓	1196	950.1800	3796.6909	3797.8427	-1.1518	1	5	5.5e+002	1	TCFVAHSLQGEDTSMAILDFVAQDKALLTMNVTR + Oxidation (
✓	310	512.6200	1023.2254	1023.3902	-0.1648	0	5	1.1e+003	1	CHYAGCEK
✓	1161	648.6000	3237.9636	3236.6434	1.3202	2	5	6.6e+002	1	HQLFMVRKVDSGHGGDGMLEGDILLTLNGK
✓	61	620.8200	619.8127	618.3701	1.4427	1	5	1.3e+003	1	GLKSSK
✓	166	777.8000	776.7927	775.4188	1.3739	1	5	1.4e+003	1	SEKGTVR
✓	23	531.4600	530.4527	530.2449	0.2079	0	5	3e+003	1	DPSGR
✓	220	435.8700	869.7254	867.5290	2.1964	1	5	1.2e+003	1	GPVAKVAAR
✓	431	613.5400	1225.0654	1223.7278	1.3377	2	5	1.1e+003	1	FLIKVGEKYK
✓	60	620.8200	619.8127	620.2588	-0.4461	0	5	1.4e+003	1	NLNMGG + Oxidation (M)
✓	579	737.1600	1472.3054	1470.6847	1.6208	0	5	1.2e+003	1	GYIEGLDMLASMR + Oxidation (M)
✓	979	786.2300	2355.6682	2354.3606	1.3075	2	5	9.5e+002	1	MTPLKALNIQDLILSKSALAAK + Oxidation (M)
✓	136	372.7500	743.4854	744.4017	-0.9163	0	5	2.2e+003	1	NESLAVL
✓	574	732.0800	1462.1454	1460.7446	1.4009	0	5	1.2e+003	1	MNTNVPIFSSPVR
✓	1099	963.5500	2887.6282	2886.3375	1.2906	2	5	9.5e+002	1	VAPLSTTLEKREDCTGADEISGYSCK
✓	1168	839.8900	3355.5309	3356.7220	-1.1911	1	5	8.1e+002	1	NKQEVQFQLMQLLAQAPIGQEMLIVGENR + 2 Oxidation (M)
✓	102	689.4200	688.4127	689.3530	-0.9403	0	5	2.6e+003	1	AAQLCK
✓	281	971.5300	970.5227	968.4460	2.0768	0	5	1.8e+003	1	MFVQEMGK
✓	816	972.7100	3886.8109	3887.0608	-0.2499	1	5	2.6e+003	1	TDVYPGFATDLQQPITPLLTAKSGEGVVIDQIYPK
✓	289	490.0700	978.1254	976.4938	1.6317	1	4	1.5e+003	1	TIERTSDR
✓	648	845.2600	1688.5054	1687.9001	0.6054	2	4	1.4e+003	1	KIGGAEMKLGPELMK + Oxidation (M)
✓	490	651.7400	1301.4654	1302.6496	-1.1841	1	4	1.7e+003	1	DAKSFPPLYYSI
✓	267	949.2100	948.2027	949.3998	-1.1970	0	4	1.7e+003	1	SLLGSCGPC
✓	22	529.3500	528.3427	529.2608	-0.9181	0	4	1.9e+003	1	SFGNR
✓	652	847.7700	1693.5254	1692.8505	0.6749	1	4	1.4e+003	1	SGLEFKGIIDGGGAMGKK
✓	546	699.3600	1396.7054	1394.7307	1.9748	0	4	2e+003	1	NIFLHGPDDQVK
✓	203	846.5200	845.5127	846.3905	-0.8778	0	4	2.7e+003	1	AVEEPMR + Oxidation (M)
✓	174	397.8500	793.6854	794.4174	-0.7320	1	4	1.5e+003	1	SGIEKVV
✓	155	769.3900	768.3827	769.4082	-1.0255	0	4	1.5e+003	1	GPEALQR
✓	1217	672.3200	4027.8763	4025.9775	1.8989	1	4	7.1e+002	1	LQYYSATHNQTFWFLSKTFTMLGGGEVGIAGGYGR + Oxidation
✓	99	680.9200	679.9127	678.4064	1.5063	1	4	1.3e+003	1	GIKFSK
✓	121	722.9900	721.9827	722.4187	-0.4360	0	4	1.5e+003	1	HVAGLAR
✓	1130	747.0700	2984.2509	2983.4267	0.8242	1	4	1.1e+003	1	DRTTCVLFGDGGSAVVMTASEEPGLATK + Oxidation (M)

<input checked="" type="checkbox"/>	654	849.4800	1696.9454	1696.8380	0.1074	1	4	1.9e+003	1	SYSLASGAGGGGSKGNSLK
<input checked="" type="checkbox"/>	13	500.3200	499.3127	498.2551	1.0577	1	4	1.6e+003	1	GGKTH
<input checked="" type="checkbox"/>	795	960.2900	1918.5654	1919.0669	-0.5014	1	4	1.4e+003	1	LLAPIQFKAVFEQPYR
<input checked="" type="checkbox"/>	115	707.1700	706.1627	704.4068	1.7559	1	4	2.2e+003	1	ASSTLKV
<input checked="" type="checkbox"/>	144	756.8400	755.8327	755.3490	0.4837	0	4	1.4e+003	1	FSPYDK
<input checked="" type="checkbox"/>	1200	761.7300	3803.6136	3802.8880	0.7256	2	3	7.6e+002	1	KMGGLLKAMPFTSSCLMIGSLALTGM P FLTG F YSK + 3 Oxidatio
<input checked="" type="checkbox"/>	39	572.5000	571.4927	572.3646	-0.8719	2	3	2.4e+003	1	KKQVA
<input checked="" type="checkbox"/>	112	706.6200	705.6127	705.4095	0.2032	0	3	2.1e+003	1	ISVLMK + Oxidation (M)
<input checked="" type="checkbox"/>	588	746.3400	1490.6654	1490.8061	-0.1406	2	3	2.3e+003	1	MTMEAKAILRTAR
<input checked="" type="checkbox"/>	34	564.7000	563.6927	564.2908	-0.5980	0	3	2.2e+003	1	TPGYK
<input checked="" type="checkbox"/>	181	819.5200	818.5127	818.3592	0.1535	0	3	3.1e+003	1	ASGPEACK
<input checked="" type="checkbox"/>	29	552.3700	551.3627	551.2196	0.1431	0	3	2.1e+003	1	CGGMK
<input checked="" type="checkbox"/>	204	847.4800	846.4727	847.4036	-0.9308	0	3	3.3e+003	1	DSSVLDR
<input checked="" type="checkbox"/>	168	783.2600	782.2527	780.3177	1.9350	0	3	1.6e+003	1	DEEFEL
<input checked="" type="checkbox"/>	126	365.4100	728.8054	728.2799	0.5255	0	3	2.5e+003	1	GDCYSK
<input checked="" type="checkbox"/>	481	646.6800	1291.3454	1289.7568	1.5887	2	3	2e+003	1	GGQVTRKIYLR
<input checked="" type="checkbox"/>	805	966.4100	1930.8054	1929.9796	0.8258	0	3	2.1e+003	1	DLQLGSTPVQPQSAQFSK
<input checked="" type="checkbox"/>	296	999.6400	998.6327	996.5062	2.1265	0	3	2.7e+003	1	SASLLFGMR + Oxidation (M)
<input checked="" type="checkbox"/>	589	750.1700	1498.3254	1498.6875	-0.3620	0	3	2e+003	1	CADEFFLTAAQQR
<input checked="" type="checkbox"/>	161	773.6300	772.6227	773.4032	-0.7804	0	3	3.6e+003	1	SAVGQAGK
<input checked="" type="checkbox"/>	659	854.9400	1707.8654	1708.7839	-0.9184	0	2	2.5e+003	1	SYDEVMQAGIRPGDR + Oxidation (M)
<input checked="" type="checkbox"/>	613	789.4900	1576.9654	1576.7780	0.1874	1	2	2.7e+003	1	REYNVPC T TKPR
<input checked="" type="checkbox"/>	655	850.5800	1699.1454	1698.8684	0.2770	0	2	2.2e+003	1	VAMSLSLAGMVNYSK + Oxidation (M)
<input checked="" type="checkbox"/>	11	483.0800	482.0727	483.2442	-1.1714	0	2	6.1e+002	1	HGTIG
<input checked="" type="checkbox"/>	17	524.8900	523.8827	522.2074	1.6753	0	2	1.3e+003	1	FNDAG
<input checked="" type="checkbox"/>	146	758.0500	757.0427	757.3905	-0.3478	0	2	2.8e+003	1	SHLMVR + Oxidation (M)
<input checked="" type="checkbox"/>	254	920.0800	919.0727	917.4389	1.6338	0	2	3e+003	1	HASTMSLR + Oxidation (M)
<input checked="" type="checkbox"/>	185	829.2400	828.2327	828.4705	-0.2378	0	2	3.2e+003	1	VPVQTGTK
<input checked="" type="checkbox"/>	819	976.0200	1950.0254	1949.9993	0.0262	0	2	2.8e+003	1	GVVLEHQSLCTSLTAHAK
<input checked="" type="checkbox"/>	611	785.5500	1569.0854	1569.7643	-0.6789	1	2	2.6e+003	1	IRVMVVD S AFMR + 2 Oxidation (M)
<input checked="" type="checkbox"/>	243	899.8600	898.8527	897.4378	1.4149	0	1	2.7e+003	1	AEPGHIMK + Oxidation (M)
<input checked="" type="checkbox"/>	133	738.7900	737.7827	736.4344	1.3483	1	1	2.1e+003	1	RVTHPK
<input checked="" type="checkbox"/>	276	963.3000	962.2927	962.4565	-0.1638	0	1	4e+003	1	MMNVLDPK + Oxidation (M)
<input checked="" type="checkbox"/>	82	646.4200	645.4127	644.3898	1.0230	0	1	6.8e+003	1	FPLLVG
<input checked="" type="checkbox"/>	114	353.9800	705.9454	706.2956	-0.3501	0	1	3.6e+003	1	MEANDK
<input checked="" type="checkbox"/>	53	614.0700	613.0627	611.3140	1.7488	0	1	1.9e+003	1	GGSHVR
<input checked="" type="checkbox"/>	134	738.7900	737.7827	736.3174	1.4653	0	1	2.5e+003	1	GNQMGSK + Oxidation (M)
<input checked="" type="checkbox"/>	51	608.5600	607.5527	607.3693	0.1834	0	0	3.5e+003	1	GPLPPK
<input checked="" type="checkbox"/>	179	812.0000	810.9927	809.2861	1.7066	0	0	2.5e+003	1	DDSDCAK
<input checked="" type="checkbox"/>	236	889.4300	888.4227	888.3760	0.0468	0	0	5.9e+003	1	GDAAMRPDG
<input checked="" type="checkbox"/>	148	758.8600	757.8527	757.4195	0.4333	1	0	4.6e+003	1	RAGADIR
<input checked="" type="checkbox"/>	660	856.6800	1711.3454	1711.8179	-0.4724	2	0	3.1e+003	1	EVAFDRSGYRYHGR
<input checked="" type="checkbox"/>	70	632.6800	631.6727	632.2766	-0.6038	0	0	5.9e+003	1	GDAAGDK
<input checked="" type="checkbox"/>	149	759.5900	758.5827	757.3177	1.2650	0	0	6.6e+003	1	GAHADCK
<input checked="" type="checkbox"/>	1	307.3200	306.3127							
<input checked="" type="checkbox"/>	2	345.4400	344.4327							
<input checked="" type="checkbox"/>	3	358.0500	357.0427							
<input checked="" type="checkbox"/>	4	376.8700	375.8627							
<input checked="" type="checkbox"/>	5	376.9100	375.9027							
<input checked="" type="checkbox"/>	6	418.1400	417.1327							
<input checked="" type="checkbox"/>	7	449.6400	448.6327							
<input checked="" type="checkbox"/>	8	468.2900	467.2827							
<input checked="" type="checkbox"/>	9	469.3500	468.3427							
<input checked="" type="checkbox"/>	10	470.9300	469.9227							
<input checked="" type="checkbox"/>	12	499.7600	498.7527							
<input checked="" type="checkbox"/>	14	503.2300	502.2227							
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<input checked="" type="checkbox"/>	16	522.5400	521.5327							
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<input checked="" type="checkbox"/>	24	536.6700	535.6627							
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<input checked="" type="checkbox"/>	32	561.5700	560.5627							
<input checked="" type="checkbox"/>	33	563.7500	562.7427							
<input checked="" type="checkbox"/>	36	568.6600	567.6527							
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<input checked="" type="checkbox"/>	38	571.5100	570.5027							
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<input checked="" type="checkbox"/>	41	583.4400	582.4327							
<input checked="" type="checkbox"/>	42	583.6100	582.6027							
<input checked="" type="checkbox"/>	43	584.7100	583.7027							
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<input checked="" type="checkbox"/>	50	607.6900	606.6827							
<input checked="" type="checkbox"/>	52	611.1600	610.1527							

<input checked="" type="checkbox"/>	56	616.6700	615.6627
<input checked="" type="checkbox"/>	57	617.8700	616.8627
<input checked="" type="checkbox"/>	59	620.7600	619.7527
<input checked="" type="checkbox"/>	66	625.2700	624.2627
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<input checked="" type="checkbox"/>	68	626.7800	625.7727
<input checked="" type="checkbox"/>	73	634.7200	633.7127
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<input checked="" type="checkbox"/>	80	643.2300	642.2227
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<input checked="" type="checkbox"/>	84	651.9300	650.9227
<input checked="" type="checkbox"/>	85	653.6500	652.6427
<input checked="" type="checkbox"/>	98	677.7100	676.7027
<input checked="" type="checkbox"/>	101	684.6800	683.6727
<input checked="" type="checkbox"/>	104	701.3500	700.3427
<input checked="" type="checkbox"/>	110	704.4100	703.4027
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<input checked="" type="checkbox"/>	137	750.0600	749.0527
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<input checked="" type="checkbox"/>	152	764.6000	763.5927
<input checked="" type="checkbox"/>	153	765.4200	764.4127
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<input checked="" type="checkbox"/>	163	775.9700	774.9627
<input checked="" type="checkbox"/>	164	777.3300	776.3227
<input checked="" type="checkbox"/>	167	778.2400	777.2327
<input checked="" type="checkbox"/>	172	788.6200	787.6127
<input checked="" type="checkbox"/>	176	798.5200	797.5127
<input checked="" type="checkbox"/>	180	817.8200	816.8127
<input checked="" type="checkbox"/>	205	848.0500	847.0427
<input checked="" type="checkbox"/>	212	861.2800	860.2727
<input checked="" type="checkbox"/>	216	866.8900	865.8827
<input checked="" type="checkbox"/>	234	885.6100	884.6027
<input checked="" type="checkbox"/>	269	950.4200	949.4127
<input checked="" type="checkbox"/>	339	547.6700	1093.3254

Search Parameters

Type of search : MS/MS Ion Search
 Enzyme : Trypsin
 Fixed modifications : [Carbamidomethyl \(C\)](#)
 Variable modifications : [Oxidation \(M\)](#)
 Mass values : Monoisotopic
 Protein Mass : Unrestricted
 Peptide Mass Tolerance : ± 1.2 Da (# ^{13}C = 1)
 Fragment Mass Tolerance : ± 0.5 Da
 Max Missed Cleavages : 2
 Instrument type : ESI-TRAP
 Number of queries : 1219

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