

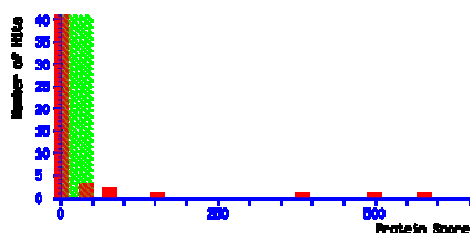


Mascot Search Results

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 14:31:39 GMT
Protein hits :
[2::IGKC_HUMAN](#) Immunoglobulin kappa constant OS=Homo sapiens OX=9606 GN=IGKC PE=1 SV=2
[2::IGK_HUMAN](#) Immunoglobulin kappa light chain OS=Homo sapiens OX=9606 PE=1 SV=1
[2::IGLC2_HUMAN](#) Immunoglobulin lambda constant 2 OS=Homo sapiens OX=9606 GN=IGLC2 PE=1 SV=1
[2::KVD20_HUMAN](#) Immunoglobulin kappa variable 3D-20 OS=Homo sapiens OX=9606 GN=IGKV3D-20 PE=3 SV=1
[2::KV2A7_MOUSE](#) Ig kappa chain V-II region 26-10 OS=Mus musculus OX=10090 PE=1 SV=1
[2::KV401_HUMAN](#) Immunoglobulin kappa variable 4-1 OS=Homo sapiens OX=9606 GN=IGKV4-1 PE=1 SV=1
[2::TRYP_PIG](#) Trypsin OS=Sus scrofa OX=9823 PE=1 SV=1
[2::KV1_CANLF](#) Ig kappa chain V region GOM OS=Canis lupus familiaris OX=9615 PE=1 SV=1
[2::ALR2_PSEAE](#) Alanine racemase, catabolic OS=Pseudomonas aeruginosa (strain ATCC 15692 / DSM 22644 / CIP 104116 / JCI

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::IGKC_HUMAN](#) Mass: 11929 Score: 576 Matches: 62(16) Sequences: 8(5) emPAI: 8.85
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"/>	192	435.8600	869.7054	868.3497	1.3557	1	7	7.2e+002	1		K.SFNRGEC.-
<input checked="" type="checkbox"/>	536	751.8300	1501.6454	1501.7512	-0.1057	0	(50)	0.05	1		K.DSTYLSSTLTLSK.A
<input checked="" type="checkbox"/>	537	751.8400	1501.6654	1501.7512	-0.0857	0	71	0.00038	1		K.DSTYLSSTLTLSK.A
<input checked="" type="checkbox"/>	538	751.8500	1501.6854	1501.7512	-0.0657	0	(70)	0.00047	1		K.DSTYLSSTLTLSK.A
<input checked="" type="checkbox"/>	539	752.3500	1502.6854	1501.7512	0.9343	0	(60)	0.0049	1		K.DSTYLSSTLTLSK.A
<input checked="" type="checkbox"/>	655	898.9200	1795.8254	1796.8880	-1.0625	0	(24)	16	1		K.SGTASVVCLLNFFYPR.E
<input checked="" type="checkbox"/>	656	899.1400	1796.2654	1796.8880	-0.6225	0	(33)	1.6	1		K.SGTASVVCLLNFFYPR.E
<input checked="" type="checkbox"/>	657	899.4400	1796.8654	1796.8880	-0.0225	0	(52)	0.066	1		K.SGTASVVCLLNFFYPR.E
<input checked="" type="checkbox"/>	658	899.4500	1796.8854	1796.8880	-0.0025	0	(35)	3.5	1		K.SGTASVVCLLNFFYPR.E
<input checked="" type="checkbox"/>	659	899.4500	1796.8854	1796.8880	-0.0025	0	(33)	2.2	1		K.SGTASVVCLLNFFYPR.E
<input checked="" type="checkbox"/>	660	899.9200	1797.8254	1796.8880	0.9375	0	(13)	2.4e+002	1		K.SGTASVVCLLNFFYPR.E
<input checked="" type="checkbox"/>	661	899.9300	1797.8454	1796.8880	0.9575	0	53	0.021	1		K.SGTASVVCLLNFFYPR.E
<input checked="" type="checkbox"/>	662	899.9400	1797.8654	1796.8880	0.9775	0	(6)	1.1e+003	9		K.SGTASVVCLLNFFYPR.E
<input checked="" type="checkbox"/>	663	600.3100	1797.9082	1796.8880	1.0202	0	(29)	5.2	1		K.SGTASVVCLLNFFYPR.E
<input checked="" type="checkbox"/>	664	600.3200	1797.9382	1796.8880	1.0502	0	(53)	0.021	1		K.SGTASVVCLLNFFYPR.E
<input checked="" type="checkbox"/>	665	600.3200	1797.9382	1796.8880	1.0502	0	(50)	0.048	1		K.SGTASVVCLLNFFYPR.E
<input checked="" type="checkbox"/>	666	600.3300	1797.9682	1796.8880	1.0802	0	(45)	0.15	1		K.SGTASVVCLLNFFYPR.E
<input checked="" type="checkbox"/>	667	600.3300	1797.9682	1796.8880	1.0802	0	(51)	0.031	1		K.SGTASVVCLLNFFYPR.E
<input checked="" type="checkbox"/>	668	600.3400	1797.9982	1796.8880	1.1102	0	(53)	0.022	1		K.SGTASVVCLLNFFYPR.E
<input checked="" type="checkbox"/>	669	600.3400	1797.9982	1796.8880	1.1102	0	(23)	22	1		K.SGTASVVCLLNFFYPR.E
<input checked="" type="checkbox"/>	670	600.3400	1797.9982	1796.8880	1.1102	0	(34)	1.6	1		K.SGTASVVCLLNFFYPR.E
<input checked="" type="checkbox"/>	671	600.3500	1798.0282	1796.8880	1.1402	0	(23)	21	1		K.SGTASVVCLLNFFYPR.E
<input checked="" type="checkbox"/>	673	900.4100	1798.8054	1796.8880	1.9175	0	(44)	0.18	1		K.SGTASVVCLLNFFYPR.E
<input checked="" type="checkbox"/>	674	600.6500	1798.9282	1796.8880	2.0402	0	(12)	3e+002	1		K.SGTASVVCLLNFFYPR.E
<input checked="" type="checkbox"/>	675	600.6500	1798.9282	1796.8880	2.0402	0	(46)	0.1	1		K.SGTASVVCLLNFFYPR.E
<input checked="" type="checkbox"/>	676	600.6700	1798.9882	1796.8880	2.1002	0	(20)	42	1		K.SGTASVVCLLNFFYPR.E
<input checked="" type="checkbox"/>	767	938.3800	1874.7454	1874.9197	-0.1742	0	68	0.00057	1		K.VYACEVTHQGLSSPVTK.S
<input checked="" type="checkbox"/>	768	938.3900	1874.7654	1874.9197	-0.1542	0	(68)	0.00069	1		K.VYACEVTHQGLSSPVTK.S
<input checked="" type="checkbox"/>	769	625.9300	1874.7682	1874.9197	-0.1515	0	(67)	0.00073	1		K.VYACEVTHQGLSSPVTK.S
<input checked="" type="checkbox"/>	773	625.9400	1874.7982	1874.9197	-0.1215	0	(39)	0.53	1		K.VYACEVTHQGLSSPVTK.S
<input checked="" type="checkbox"/>	774	625.9400	1874.7982	1874.9197	-0.1215	0	(44)	0.15	1		K.VYACEVTHQGLSSPVTK.S
<input checked="" type="checkbox"/>	775	625.9400	1874.7982	1874.9197	-0.1215	0	(38)	0.63	1		K.VYACEVTHQGLSSPVTK.S

<input checked="" type="checkbox"/>	776	625.9500	1874.8282	1874.9197	-0.0915	0	(16)	1e+002	1		K.VYACEVTHQGLSSPVTK.S
	779	626.2500	1875.7282	1874.9197	0.8085	0	(10)	3.6e+002	4		K.VYACEVTHQGLSSPVTK.S
<input checked="" type="checkbox"/>	780	626.2500	1875.7282	1874.9197	0.8085	0	(23)	16	1		K.VYACEVTHQGLSSPVTK.S
	781	626.2500	1875.7282	1874.9197	0.8085	0	(15)	1.1e+002	3		K.VYACEVTHQGLSSPVTK.S
<input checked="" type="checkbox"/>	784	649.3000	1944.8782	1945.0197	-0.1415	0	(41)	0.36	1	U	R.TVAAPSVFIFPPSDEQLK.S
<input checked="" type="checkbox"/>	849	649.3000	1944.8782	1945.0197	-0.1415	0	(46)	0.11	1	U	R.TVAAPSVFIFPPSDEQLK.S
<input checked="" type="checkbox"/>	850	649.3000	1944.8782	1945.0197	-0.1415	0	(28)	6.8	1	U	R.TVAAPSVFIFPPSDEQLK.S
<input checked="" type="checkbox"/>	851	649.3000	1944.8782	1945.0197	-0.1415	0	(43)	0.21	1	U	R.TVAAPSVFIFPPSDEQLK.S
<input checked="" type="checkbox"/>	852	973.4600	1944.9054	1945.0197	-0.1142	0	(43)	0.2	1	U	R.TVAAPSVFIFPPSDEQLK.S
<input checked="" type="checkbox"/>	853	973.4600	1944.9054	1945.0197	-0.1142	0	(31)	3.1	1	U	R.TVAAPSVFIFPPSDEQLK.S
	854	649.3100	1944.9082	1945.0197	-0.1115	0	(18)	71	3	U	R.TVAAPSVFIFPPSDEQLK.S
<input checked="" type="checkbox"/>	855	649.3100	1944.9082	1945.0197	-0.1115	0	(22)	26	1	U	R.TVAAPSVFIFPPSDEQLK.S
<input checked="" type="checkbox"/>	856	973.4700	1944.9254	1945.0197	-0.0942	0	(22)	26	1	U	R.TVAAPSVFIFPPSDEQLK.S
<input checked="" type="checkbox"/>	857	973.4700	1944.9254	1945.0197	-0.0942	0	(48)	0.07	1	U	R.TVAAPSVFIFPPSDEQLK.S
<input checked="" type="checkbox"/>	858	973.4700	1944.9254	1945.0197	-0.0942	0	59	0.0051	1	U	R.TVAAPSVFIFPPSDEQLK.S
<input checked="" type="checkbox"/>	859	649.3200	1944.9382	1945.0197	-0.0815	0	(36)	1.2	1	U	R.TVAAPSVFIFPPSDEQLK.S
	860	973.5000	1944.9854	1945.0197	-0.0342	0	(5)	1.4e+003	3	U	R.TVAAPSVFIFPPSDEQLK.S
<input checked="" type="checkbox"/>	861	649.6200	1945.8382	1945.0197	0.8185	0	(27)	7.3	1	U	R.TVAAPSVFIFPPSDEQLK.S
<input checked="" type="checkbox"/>	862	649.6300	1945.8682	1945.0197	0.8485	0	(27)	8.3	1	U	R.TVAAPSVFIFPPSDEQLK.S
	863	649.6500	1945.9282	1945.0197	0.9085	0	(15)	1.4e+002	4	U	R.TVAAPSVFIFPPSDEQLK.S
<input checked="" type="checkbox"/>	864	973.9800	1945.9454	1945.0197	0.9258	0	(12)	2.9e+002	1	U	R.TVAAPSVFIFPPSDEQLK.S
	983	701.6700	2101.9882	2101.1208	0.8674	1	21	30	7	U	- .RTVAAPSVFIFPPSDEQLK.S
<input checked="" type="checkbox"/>	987	712.5800	2134.7182	2134.9614	-0.2433	0	(50)	0.032	1		K.VDNALQSGNSQESVTEQDSK.D
<input checked="" type="checkbox"/>	988	712.6000	2134.7782	2134.9614	-0.1833	0	(39)	0.37	1		K.VDNALQSGNSQESVTEQDSK.D
<input checked="" type="checkbox"/>	989	712.6000	2134.7782	2134.9614	-0.1833	0	(55)	0.0095	1		K.VDNALQSGNSQESVTEQDSK.D
	990	712.6100	2134.8082	2134.9614	-0.1533	0	(7)	6.3e+002	9		K.VDNALQSGNSQESVTEQDSK.D
<input checked="" type="checkbox"/>	992	712.6300	2134.8682	2134.9614	-0.0933	0	(29)	4.6	1		K.VDNALQSGNSQESVTEQDSK.D
<input checked="" type="checkbox"/>	993	712.6300	2134.8682	2134.9614	-0.0933	0	(37)	0.61	1		K.VDNALQSGNSQESVTEQDSK.D
<input checked="" type="checkbox"/>	994	713.2500	2136.7282	2134.9614	1.7667	0	75	9.5e-005	1		K.VDNALQSGNSQESVTEQDSK.D
<input checked="" type="checkbox"/>	997	714.2900	2139.8482	2140.0735	-0.2254	1	35	0.93	1		K.HKVYACEVTHQGLSSPVTK.S

2. [2::IGK_HUMAN](#) Mass: 23650 Score: 488 Matches: 46(15) Sequences: 8(4) emPAI: 1.53

Immunoglobulin kappa light chain OS=Homo sapiens OX=9606 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	
192	435.8600	869.7054	868.3497	1.3557	1	7	7.2e+002	1		K.SFNRGEC.-	
<input checked="" type="checkbox"/>	331	545.0800	1088.1454	1088.5462	-0.4007	0	18	65	1	K.ASSLESQVPSR.F	
536	751.8300	1501.6454	1501.7512	-0.1057	0	(50)	0.05	1		K.DSTYLSLSTLTLSK.A	
537	751.8400	1501.6654	1501.7512	-0.0857	0	71	0.00038	1		K.DSTYLSLSTLTLSK.A	
538	751.8500	1501.6854	1501.7512	-0.0657	0	(70)	0.00047	1		K.DSTYLSLSTLTLSK.A	
539	752.3500	1502.6854	1501.7512	0.9343	0	(60)	0.0049	1		K.DSTYLSLSTLTLSK.A	
655	898.9200	1795.8254	1796.8880	-1.0625	0	(24)	16	1		K.SGTASVCLLNNFYPR.E	
656	899.1400	1796.2654	1796.8880	-0.6225	0	(33)	1.6	1		K.SGTASVCLLNNFYPR.E	
657	899.4400	1796.8654	1796.8880	-0.0225	0	(52)	0.066	1		K.SGTASVCLLNNFYPR.E	
658	899.4500	1796.8854	1796.8880	-0.0025	0	(35)	3.5	1		K.SGTASVCLLNNFYPR.E	
659	899.4500	1796.8854	1796.8880	-0.0025	0	(33)	2.2	1		K.SGTASVCLLNNFYPR.E	
660	899.9200	1797.8254	1796.8880	0.9375	0	(13)	2.4e+002	1		K.SGTASVCLLNNFYPR.E	
661	899.9300	1797.8454	1796.8880	0.9575	0	53	0.021	1		K.SGTASVCLLNNFYPR.E	
662	899.9400	1797.8654	1796.8880	0.9775	0	(6)	1.1e+003	9		K.SGTASVCLLNNFYPR.E	
663	600.3100	1797.9082	1796.8880	1.0202	0	(29)	5.2	1		K.SGTASVCLLNNFYPR.E	
664	600.3200	1797.9382	1796.8880	1.0502	0	(53)	0.021	1		K.SGTASVCLLNNFYPR.E	
665	600.3200	1797.9382	1796.8880	1.0502	0	(50)	0.048	1		K.SGTASVCLLNNFYPR.E	
666	600.3300	1797.9682	1796.8880	1.0802	0	(45)	0.15	1		K.SGTASVCLLNNFYPR.E	
667	600.3300	1797.9682	1796.8880	1.0802	0	(51)	0.031	1		K.SGTASVCLLNNFYPR.E	
668	600.3400	1797.9982	1796.8880	1.1102	0	(53)	0.022	1		K.SGTASVCLLNNFYPR.E	
669	600.3400	1797.9982	1796.8880	1.1102	0	(23)	22	1		K.SGTASVCLLNNFYPR.E	
670	600.3400	1797.9982	1796.8880	1.1102	0	(34)	1.6	1		K.SGTASVCLLNNFYPR.E	
671	600.3500	1798.0282	1796.8880	1.1402	0	(23)	21	1		K.SGTASVCLLNNFYPR.E	
673	900.4100	1798.8054	1796.8880	1.9175	0	(44)	0.18	1		K.SGTASVCLLNNFYPR.E	
674	600.6500	1798.9282	1796.8880	2.0402	0	(12)	3e+002	1		K.SGTASVCLLNNFYPR.E	
675	600.6500	1798.9282	1796.8880	2.0402	0	(46)	0.1	1		K.SGTASVCLLNNFYPR.E	
676	600.6700	1798.9882	1796.8880	2.1002	0	(20)	42	1		K.SGTASVCLLNNFYPR.E	
767	938.3800	1874.7454	1874.9197	-0.1742	0	68	0.00057	1		K.VYACEVTHQGLSSPVTK.S	
768	938.3900	1874.7654	1874.9197	-0.1542	0	(68)	0.00069	1		K.VYACEVTHQGLSSPVTK.S	
769	625.9300	1874.7682	1874.9197	-0.1515	0	(67)	0.00073	1		K.VYACEVTHQGLSSPVTK.S	
773	625.9400	1874.7982	1874.9197	-0.1215	0	(39)	0.53	1		K.VYACEVTHQGLSSPVTK.S	
774	625.9400	1874.7982	1874.9197	-0.1215	0	(44)	0.15	1		K.VYACEVTHQGLSSPVTK.S	
775	625.9400	1874.7982	1874.9197	-0.1215	0	(38)	0.63	1		K.VYACEVTHQGLSSPVTK.S	
776	625.9500	1874.8282	1874.9197	-0.0915	0	(16)	1e+002	1		K.VYACEVTHQGLSSPVTK.S	
779	626.2500	1875.7282	1874.9197	0.8085	0	(10)	3.6e+002	4		K.VYACEVTHQGLSSPVTK.S	
780	626.2500	1875.7282	1874.9197	0.8085	0	(23)	16	1		K.VYACEVTHQGLSSPVTK.S	
781	626.2500	1875.7282	1874.9197	0.8085	0	(15)	1.1e+002	3		K.VYACEVTHQGLSSPVTK.S	
<input checked="" type="checkbox"/>	927	668.2900	2001.8482	2002.0412	-0.1930	0	17	81	1	U	K.GTVAAPSVFIFPPSDEQLK.S
987	712.5800	2134.7182	2134.9614	-0.2433	0	(50)	0.032	1		K.VDNALQSGNSQESVTEQDSK.I	
988	712.6000	2134.7782	2134.9614	-0.1833	0	(39)	0.37	1		K.VDNALQSGNSQESVTEQDSK.I	
989	712.6000	2134.7782	2134.9614	-0.1833	0	(55)	0.0095	1		K.VDNALQSGNSQESVTEQDSK.I	
990	712.6100	2134.8082	2134.9614	-0.1533	0	(7)	6.3e+002	9		K.VDNALQSGNSQESVTEQDSK.I	
992	712.6300	2134.8682	2134.9614	-0.0933	0	(29)	4.6	1		K.VDNALQSGNSQESVTEQDSK.I	
993	712.6300	2134.8682	2134.9614	-0.0933	0	(37)	0.61	1		K.VDNALQSGNSQESVTEQDSK.I	
994	713.2500	2136.7282	2134.9614	1.7667	0	75	9.5e-005	1		K.VDNALQSGNSQESVTEQDSK.I	
997	714.2900	2139.8482	2140.0735	-0.2254	1	35	0.93	1		K.HKVYACEVTHQGLSSPVTK.S	

3. [2::IGLC2_HUMAN](#) Mass: 11458 Score: 369 Matches: 17(8) Sequences: 5(3) emPAI: 2.73

Immunoglobulin lambda constant 2 OS=Homo sapiens OX=9606 GN=IGLC2 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"/> 187	864.3800	863.3727	863.3695	0.0032	0	18	1e+002	1	U	K.TVAPTECS.-
<input checked="" type="checkbox"/> 609	856.3600	1710.7054	1710.7519	-0.0465	0	69	0.00055	1	U	R.SYSCQVTHEGSTVEK.T
610	856.8300	1711.6454	1710.7519	0.8935	0	(19)	42	2	U	R.SYSCQVTHEGSTVEK.T
<input checked="" type="checkbox"/> 628	872.3900	1742.7654	1742.8515	-0.0861	0	(32)	2.5	1	U	K.YAASSYLSLTPEQWK.S
<input checked="" type="checkbox"/> 630	582.6000	1744.7782	1742.8515	1.9267	0	36	1.1	1	U	K.YAASSYLSLTPEQWK.S
<input checked="" type="checkbox"/> 631	582.6100	1744.8082	1742.8515	1.9567	0	(16)	1.1e+002	1	U	K.YAASSYLSLTPEQWK.S
<input checked="" type="checkbox"/> 913	662.6200	1984.8382	1985.0105	-0.1724	0	(23)	21	1	U	K.AAPSVTLFPPSSEELQANK.A
<input checked="" type="checkbox"/> 914	993.4400	1984.8654	1985.0105	-0.1451	0	52	0.023	1	U	K.AAPSVTLFPPSSEELQANK.A
<input checked="" type="checkbox"/> 915	993.4600	1984.9054	1985.0105	-0.1051	0	(33)	1.8	1	U	K.AAPSVTLFPPSSEELQANK.A
<input checked="" type="checkbox"/> 1027	737.6800	2210.0182	2210.1446	-0.1264	0	(71)	0.00028	1	U	K.ATLVCLISDFYPGAVTVANK.A
<input checked="" type="checkbox"/> 1028	737.6900	2210.0482	2210.1446	-0.0964	0	(43)	0.21	1	U	K.ATLVCLISDFYPGAVTVANK.A
<input checked="" type="checkbox"/> 1029	737.7000	2210.0782	2210.1446	-0.0664	0	(72)	0.00025	1	U	K.ATLVCLISDFYPGAVTVANK.A
<input checked="" type="checkbox"/> 1030	737.7000	2210.0782	2210.1446	-0.0664	0	(64)	0.0015	1	U	K.ATLVCLISDFYPGAVTVANK.A
<input checked="" type="checkbox"/> 1031	737.7000	2210.0782	2210.1446	-0.0664	0	(37)	0.78	1	U	K.ATLVCLISDFYPGAVTVANK.A
<input checked="" type="checkbox"/> 1032	1106.0500	2210.0854	2210.1446	-0.0591	0	(95)	1.4e-006	1	U	K.ATLVCLISDFYPGAVTVANK.A
<input checked="" type="checkbox"/> 526	738.0400	2211.0982	2210.1446	0.9536	0	(62)	0.006	1	U	K.ATLVCLISDFYPGAVTVANK.A
<input checked="" type="checkbox"/> 1033	1106.5600	2211.1054	2210.1446	0.9609	0	113	2.1e-008	1	U	K.ATLVCLISDFYPGAVTVANK.A

Proteins matching the same set of peptides:

[2::IGLC3_HUMAN](#) Mass: 11430 Score: 369 Matches: 17(8) Sequences: 5(3)
 Immunoglobulin lambda constant 3 OS=Homo sapiens OX=9606 GN=IGLC3 PE=1 SV=1

4. [2::KVD20_HUMAN](#) Mass: 12621 Score: 134 Matches: 2(2) Sequences: 1(1) emPAI: 0.27
 Immunoglobulin kappa variable 3D-20 OS=Homo sapiens OX=9606 GN=IGKV3D-20 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"/> 580	816.8500	1631.6854	1631.7791	-0.0937	0	101	3.5e-007	1	U	R.FSGSGSGTDFTLTISR.L
<input checked="" type="checkbox"/> 581	816.8600	1631.7054	1631.7791	-0.0737	0	(76)	0.0001	1	U	R.FSGSGSGTDFTLTISR.L

Proteins matching the same set of peptides:

[2::KV320_HUMAN](#) Mass: 12663 Score: 134 Matches: 2(2) Sequences: 1(1)
 Immunoglobulin kappa variable 3-20 OS=Homo sapiens OX=9606 GN=IGKV3-20 PE=1 SV=2

5. [2::KV2A7_MOUSE](#) Mass: 12379 Score: 81 Matches: 1(1) Sequences: 1(1) emPAI: 0.28
 Ig kappa chain V-II region 26-10 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"/> 456	652.2700	1302.5254	1302.6092	-0.0838	0	81	3.6e-005	1	U	R.FSGSGSGTDFTLK.I

Proteins matching the same set of peptides:

[2::KVD26_HUMAN](#) Mass: 13403 Score: 81 Matches: 1(1) Sequences: 1(1)
 Immunoglobulin kappa variable 2D-26 OS=Homo sapiens OX=9606 GN=IGKV2D-26 PE=3 SV=1
[2::KVD28_HUMAN](#) Mass: 13062 Score: 81 Matches: 1(1) Sequences: 1(1)
 Immunoglobulin kappa variable 2D-28 OS=Homo sapiens OX=9606 GN=IGKV2D-28 PE=1 SV=2
[2::KVD29_HUMAN](#) Mass: 13249 Score: 81 Matches: 1(1) Sequences: 1(1)
 Immunoglobulin kappa variable 2D-29 OS=Homo sapiens OX=9606 GN=IGKV2D-29 PE=3 SV=1
[2::KVD30_HUMAN](#) Mass: 13321 Score: 81 Matches: 1(1) Sequences: 1(1)
 Immunoglobulin kappa variable 2D-30 OS=Homo sapiens OX=9606 GN=IGKV2D-30 PE=3 SV=1
[2::KVD40_HUMAN](#) Mass: 13416 Score: 81 Matches: 1(1) Sequences: 1(1)
 Immunoglobulin kappa variable 2D-40 OS=Homo sapiens OX=9606 GN=IGKV2D-40 PE=1 SV=2
[2::KV228_HUMAN](#) Mass: 13062 Score: 81 Matches: 1(1) Sequences: 1(1)
 Immunoglobulin kappa variable 2-28 OS=Homo sapiens OX=9606 GN=IGKV2-28 PE=3 SV=1
[2::KV229_HUMAN](#) Mass: 13191 Score: 81 Matches: 1(1) Sequences: 1(1)
 Immunoglobulin kappa variable 2-29 OS=Homo sapiens OX=9606 GN=IGKV2-29 PE=3 SV=2
[2::KV230_HUMAN](#) Mass: 13291 Score: 81 Matches: 1(1) Sequences: 1(1)
 Immunoglobulin kappa variable 2-30 OS=Homo sapiens OX=9606 GN=IGKV2-30 PE=3 SV=2
[2::KV240_HUMAN](#) Mass: 13416 Score: 81 Matches: 1(1) Sequences: 1(1)
 Immunoglobulin kappa variable 2-40 OS=Homo sapiens OX=9606 GN=IGKV2-40 PE=3 SV=2

6. [2::KV401_HUMAN](#) Mass: 13486 Score: 68 Matches: 4(1) Sequences: 3(1) emPAI: 0.97
 Immunoglobulin kappa variable 4-1 OS=Homo sapiens OX=9606 GN=IGKV4-1 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"/> 347	562.7900	1123.5654	1121.6233	1.9421	0	60	0.0043	1	U	K.LLIYWASTR.E
<input checked="" type="checkbox"/> 461	657.2500	1312.4854	1312.6259	-0.1404	0	40	0.39	1	U	K.SSQSVLYSSNNK.N
<input checked="" type="checkbox"/> 462	657.2700	1312.5254	1312.6259	-0.1004	0	(39)	0.52	1	U	K.SSQSVLYSSNNK.N
<input checked="" type="checkbox"/> 400	606.8800	1817.6182	1816.9260	0.6921	0	37	2.3	1	U	K.NYLAWYQQKPGQPPK.L

7. [2::TRYP_PIG](#) Mass: 25078 Score: 56 Matches: 1(1) Sequences: 1(1) emPAI: 0.13
 Trypsin OS=Sus scrofa OX=9823 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"/> 1026	737.6700	2209.9882	2210.0967	-0.1086	0	56	0.009	1	U	R.LGEHNIDVLEGNQFINAAK.I

Proteins matching the same set of peptides:

[1::Trypsin](#) Mass: 25078 Score: 56 Matches: 1(1) Sequences: 1(1)

Trypsin - Sus scrofa (Pig).

8. [2::KV1_CANLF](#) Mass: 12112 Score: 32 Matches: 3(0) Sequences: 1(0) emPAI: 0.28

Ig kappa chain V region GOM OS=Canis lupus familiaris OX=9615 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"/> 479	666.2300	1330.4454	1330.6154	-0.1699	0	32	2.4	1	U	R.FSGSGSGTDFTLR.I
480	666.2800	1330.5454	1330.6154	-0.0699	0	(8)	8.7e+002	8	U	R.FSGSGSGTDFTLR.I
481	667.2600	1332.5054	1330.6154	1.8901	0	(12)	3e+002	2	U	R.FSGSGSGTDFTLR.I

Proteins matching the same set of peptides:

[2::KV2A4_MOUSE](#) Mass: 12327 Score: 32 Matches: 3(0) Sequences: 1(0)

Ig kappa chain V-II region 2S1.3 OS=Mus musculus OX=10090 PE=1 SV=1

9. [2::ALR2_PSEAE](#) Mass: 39232 Score: 28 Matches: 2(0) Sequences: 1(0) emPAI: 0.08

Alanine racemase, catabolic OS=Pseudomonas aeruginosa (strain ATCC 15692 / DSM 22644 / CIP 104116 / JCM 14847 / LMG 12228 / 1C /

☐ 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"/> 749	619.0500	1854.1282	1854.9047	-0.7765	1	(22)	22	1	U	R.SQRIGVVAMGYADGYPR.H + Oxidation (M)
<input checked="" type="checkbox"/> 750	619.0600	1854.1582	1854.9047	-0.7465	1	28	5.7	1	U	R.SQRIGVVAMGYADGYPR.H + Oxidation (M)

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"/> 318	531.2500	1060.4854	1060.5223	-0.0368	0	33	3	1		ITCSGDALPK
<input checked="" type="checkbox"/> 874	656.6100	1966.8082	1967.8750	-1.0669	0	29	4.6	1		EAAANGLCCLAEIGEMMTR + 2 Oxidation (M)
<input checked="" type="checkbox"/> 428	633.2100	1264.4054	1264.6598	-0.2543	1	29	13	1		AVFGTGMIKGER
<input checked="" type="checkbox"/> 910	662.2900	1983.8482	1983.1074	0.7408	0	28	5.4	1		LQSAILLLAEMLELSAPR + Oxidation (M)
<input checked="" type="checkbox"/> 1176	701.3500	2801.3709	2801.1745	0.1964	1	28	5	1		TAGDPMNNCEFNFGVMPGGWTDGR + Oxidation (M)
<input checked="" type="checkbox"/> 962	684.6600	2050.9582	2051.9155	-0.9573	0	28	7	1		CDVYSFGIMLWELMTR + 2 Oxidation (M)
<input checked="" type="checkbox"/> 881	656.6400	1966.8982	1966.1099	0.7883	1	27	7.6	1		TVASLGKALDVLAEQPNLK
<input checked="" type="checkbox"/> 1042	745.0100	2232.0082	2232.1201	-0.1120	1	27	8.3	1		IKELDSEITLYDIGYEF GK
<input checked="" type="checkbox"/> 269	499.2600	996.5054	997.6284	-1.1229	0	26	10	1		LILNSLIGR
<input checked="" type="checkbox"/> 252	492.4000	982.7854	983.5400	-0.7545	0	26	8.9	1		EPLNVSLGR
<input checked="" type="checkbox"/> 713	911.8800	1821.7454	1819.8417	1.9037	0	26	11	1		ALSDFYGPDGTVYYPR
<input checked="" type="checkbox"/> 701	607.5400	1819.5982	1817.9159	1.6822	0	25	9.7	1		STGAEIAFPLAGTDEAIR
<input checked="" type="checkbox"/> 761	621.6700	1861.9882	1862.9043	-0.9162	1	25	13	1		RDLSTEDSEAIANALMK
<input checked="" type="checkbox"/> 982	701.3300	2100.9682	2102.0323	-1.0641	2	25	12	1		VTGGVGPMTRAMLMKNYK + 3 Oxidation (M)
<input checked="" type="checkbox"/> 983	701.6700	2101.9882	2100.1183	1.8699	2	25	13	1		REIIIAESEMPALMGLRR + Oxidation (M)
<input checked="" type="checkbox"/> 215	913.9900	912.9827	913.4882	-0.5055	1	24	14	1		RVNWSPR
<input checked="" type="checkbox"/> 877	656.6300	1966.8682	1965.0758	1.7924	2	24	14	1		FELFVLDPGAKVTVVR + Oxidation (M)
<input checked="" type="checkbox"/> 818	639.6200	1915.8382	1915.9673	-0.1291	1	24	15	1		ELVPNGSKCSIDSLER
<input checked="" type="checkbox"/> 976	693.9900	2078.9482	2077.0089	1.9392	2	24	15	1		RKGYLELDEHDGQPQHR
<input checked="" type="checkbox"/> 471	661.9200	1321.8254	1319.7085	2.1170	0	24	18	1		ILSDAFSLIGR
<input checked="" type="checkbox"/> 527	494.8200	1481.4382	1481.7586	-0.3204	2	24	14	1		DEVHKLRTAEAR
<input checked="" type="checkbox"/> 879	656.6300	1966.8682	1966.9636	-0.0954	1	24	16	1		GDVIPVSKEADAYFATR
<input checked="" type="checkbox"/> 469	441.1000	1320.2782	1318.6438	1.6343	0	24	16	1		EIGNLIADAMEK + Oxidation (M)
<input checked="" type="checkbox"/> 324	534.2600	1066.5054	1064.5107	1.9948	0	24	18	1		NIISMSNR
<input checked="" type="checkbox"/> 916	663.2500	1986.7282	1986.0067	0.7215	2	24	14	1		SVKAFANTCPMAKTFLGK + Oxidation (M)
<input checked="" type="checkbox"/> 911	662.3000	1983.8782	1982.9770	0.9012	0	24	17	1		TVVGGGSAAGEARPSTPQR
<input checked="" type="checkbox"/> 748	619.0200	1854.0382	1853.8982	0.1400	0	24	19	1		LSKPDVAGGYMLDGYPR + Oxidation (M)
<input checked="" type="checkbox"/> 380	587.8500	1173.6854	1173.6142	0.0713	0	24	24	1		FNPLDAASLAR
<input checked="" type="checkbox"/> 594	834.3300	2499.9682	2499.3346	0.6336	2	23	40	1		TFHYTANGPEGLAGKRLIISAR
<input checked="" type="checkbox"/> 53	562.7700	561.7627	561.3234	0.4393	1	23	25	1		KASTR
<input checked="" type="checkbox"/> 854	649.3100	1944.9082	1945.9997	-1.0915	1	23	20	1		AVLDGDLDDFIAASLKQGV
<input checked="" type="checkbox"/> 785	376.8600	1879.2636	1879.8700	-0.6064	0	23	16	1		DGVQEADRPPEGFYIR
<input checked="" type="checkbox"/> 336	552.9100	1103.8054	1102.5618	1.2436	0	23	58	1		ASTLESVPSR
<input checked="" type="checkbox"/> 206	899.3900	898.3827	896.4504	1.9323	0	23	23	1		SNNFLFR
<input checked="" type="checkbox"/> 964	412.1800	2055.8636	2055.0709	0.7928	1	23	18	1		VPTTPGVAAAASSQLRASR
<input checked="" type="checkbox"/> 251	492.3700	982.7254	983.5400	-0.8145	0	23	18	1		EPLNVSLGR
<input checked="" type="checkbox"/> 1059	564.2200	2252.8509	2251.1076	1.7433	1	23	15	1		LPSSGEAAATPTMSMTVVTKER + Oxidation (M)
<input checked="" type="checkbox"/> 308	526.2900	1050.5654	1048.4971	2.0683	0	23	24	1		ITCQGDSLR
<input checked="" type="checkbox"/> 556	773.3900	1544.7654	1544.8021	-0.0366	0	23	25	1		LVDHLNMQTFSLK
<input checked="" type="checkbox"/> 326	540.1900	1617.5482	1617.9388	-0.3907	1	23	58	1		IPVHMVEVINKLAR
<input checked="" type="checkbox"/> 863	649.6500	1945.9282	1945.8474	0.0808	0	23	22	1		NNNNNNNNNNTTITNK
<input checked="" type="checkbox"/> 163	402.4400	802.8654	802.3933	0.4721	0	23	73	1		AGQGDSIR
<input checked="" type="checkbox"/> 958	680.8500	2039.5282	2038.9670	0.5612	0	22	18	1		ATEGPFAMDPDSGFLLVTR + Oxidation (M)
<input checked="" type="checkbox"/> 199	443.4400	884.8654	885.5284	-0.6629	1	22	25	1		DGVKINIK
<input checked="" type="checkbox"/> 621	432.1100	1724.4109	1724.0308	0.3801	2	22	21	1		KIASVRVSVASPEIIR
<input checked="" type="checkbox"/> 213	454.5500	907.0854	907.5127	-0.4273	0	22	26	1		LGPAPVAVNA
<input checked="" type="checkbox"/> 923	667.6200	1999.8382	1999.0698	0.7684	2	22	25	1		RLSDVVGGVNISNETPK
<input checked="" type="checkbox"/> 247	487.9900	973.9654	973.5855	0.3800	2	22	32	1		KMLIGTRR
<input checked="" type="checkbox"/> 1035	554.9000	2215.5709	2215.0586	0.5123	2	22	21	1		ETAMHNQQLSEMAAGKGRGR + 2 Oxidation (M)
<input checked="" type="checkbox"/> 442	640.6100	1918.8082	1916.9513	1.8568	0	21	81	1		TSMVLHASQVTQETLEK + Oxidation (M)
<input checked="" type="checkbox"/> 274	504.2400	2012.9309	2013.9677	-1.0368	0	21	1.1e+002	1		AGIDENAMIDAPVVIAEDR + Oxidation (M)
<input checked="" type="checkbox"/> 971	689.3400	2064.9982	2064.0310	0.9672	0	21	31	1		DTVLCILISAPDPATHDAIR
<input checked="" type="checkbox"/> 919	498.7600	1991.0109	1990.9265	0.0844	1	21	32	1		QESEISKESQEMDARPK
<input checked="" type="checkbox"/> 878	656.6300	1966.8682	1967.1051	-0.2369	1	21	31	1		SLAKQVLQLGEVLDEVAR
<input checked="" type="checkbox"/> 804	633.6100	1897.8082	1897.8808	-0.0726	2	21	32	1		KNGTGSKIMDMVANMNR + 2 Oxidation (M)
<input checked="" type="checkbox"/> 903	661.9400	1982.7982	1983.0313	-0.2331	0	21	29	1		LAVFTDSSAYLSAEILQR

✓	366	578.9500	2311.7709	2312.1913	-0.4204	0	21	98	1	KPLDFTETAIAAATNGWHTLR
✓	647	887.3000	2658.8782	2659.4151	-0.5369	1	21	68	1	VPIIVPIMMLAIKEAASDMSFYVR + Oxidation (M)
✓	1044	745.0400	2232.0982	2232.1597	-0.0616	2	21	34	1	LKISATRGTEIGEDITEQSK
✓	485	671.2400	1340.4654	1340.5667	-0.1012	0	21	35	1	QGLDEMYNEAR + Oxidation (M)
✓	894	494.8200	1975.2509	1975.0197	0.2312	1	21	31	1	EPQLIESARTMLFLDGR
✓	1132	505.6900	2523.4136	2521.2547	2.1589	2	20	30	1	EPESLPQTQPKTKPESKEPEDK
✓	690	910.3700	1818.7254	1818.8788	-0.1534	1	20	37	1	LSNLDSSDYKDFEIR
✓	600	562.8800	1685.6182	1684.7648	0.8534	0	20	36	1	IIDDSTMTMDATLAR + 2 Oxidation (M)
✓	1001	719.9100	2156.7082	2157.0419	-0.3337	1	20	30	1	TLQGISNQMDRQQLVHMR + Oxidation (M)
✓	120	369.3100	736.6054	734.4327	2.1728	0	20	38	1	VTLAFGK
✓	267	498.8100	995.6054	993.4516	2.1539	0	20	43	1	DGVSEGGFR
✓	928	668.3100	2001.9082	2002.8589	-0.9507	2	20	40	1	INQMMTMMNKNMNQKM + Oxidation (M)
✓	610	856.8300	1711.6454	1710.8399	0.8055	1	20	36	1	SFTGGVAAMHLGYKEK + Oxidation (M)
✓	703	607.5400	1819.5982	1819.9098	-0.3116	1	20	33	1	STCASAANQVKASLDAVK
✓	574	798.2400	3188.9309	3187.6847	1.2462	0	20	88	1	MTQILENDPYILLMGLVSPSILIHMYR + Oxidation (M)
✓	808	634.8900	1901.6482	1900.0101	1.6381	2	20	35	1	SCKPRYPDPSSVRLLR
✓	278	505.2400	2016.9309	2018.0295	-1.0986	2	20	1.5e+002	1	MNSLQPKDFYKYLRLR + Oxidation (M)
✓	1047	560.0500	2236.1709	2236.1369	0.0340	0	20	42	1	TNEVLMNVGTSTTVGVTSAR + Oxidation (M)
✓	535	375.9700	1499.8509	1497.8813	1.9696	1	20	53	1	AQAMIRLSNLIR
✓	590	830.8300	1659.6454	1658.8588	0.7867	1	20	1e+002	1	QEVRAVSDGTIVTER
✓	956	508.8200	2031.2509	2032.1000	-0.8491	2	20	39	1	EPGAVLHDVDLVARRMVR
✓	1151	652.2500	2604.9709	2604.2775	0.6934	2	20	29	1	EDPVTLLGSSEMKESQCPKPK + Oxidation (M)
✓	868	651.5800	1951.7182	1949.9404	1.7778	2	19	38	1	GLLEFPDAEDNEAKMK + Oxidation (M)
✓	354	568.7200	1135.4254	1135.5734	-0.1479	1	19	57	1	RANYEQSLR
✓	1004	719.9300	2156.7682	2157.1464	-0.3782	0	19	36	1	GAVTALSEVGTQGLMLVAQGGK
✓	649	446.0600	1780.2109	1781.1542	-0.9433	1	19	40	1	YLILPILIISKNIIR
✓	168	408.8500	1631.3709	1631.8307	-0.4598	2	19	1.7e+002	1	RVSSYTPGKIYAAYG
✓	376	584.8100	1751.4082	1751.8764	-0.4682	1	19	1.4e+002	1	GKGNELVADAYEMLVK + Oxidation (M)
✓	178	840.4200	839.4127	840.2742	-0.8615	0	19	48	1	EQASCSC
✓	382	588.5700	1762.6882	1760.9937	1.6944	0	19	1.4e+002	1	LVANAIGVPPPEVIWAGR
✓	1131	631.2200	2520.8509	2520.2682	0.5827	2	19	32	1	AARWLSQKPGKLYDMADVLV + Oxidation (M)
✓	250	490.0200	978.0254	977.5546	0.4709	0	19	51	1	TQYNVIK
✓	921	498.7700	1991.0509	1992.0350	-0.9841	2	19	52	1	AAMADQTDLGVKAKAFIDK
✓	1034	738.9400	2213.7982	2214.9351	-1.1369	0	19	38	1	TLGQNDMMFYTFAPGDSR
✓	566	786.5400	3142.1309	3141.7451	0.3858	1	19	1.1e+002	1	NLIGAFHQPVFVLIDPDALQTLPARQLR
✓	1045	745.3300	2232.9682	2232.9996	-0.0314	1	19	46	1	RDNLNGQTGSYDAIDGSGDHQK
✓	908	992.4500	1982.8854	1983.1040	-0.2186	0	19	51	1	EGVGIAAPAVYLAALAEQLK
✓	502	694.3000	2079.8782	2079.0340	0.8442	1	19	1.4e+002	1	VTIDSASLMNKGLEVMEAR + Oxidation (M)
✓	1124	620.8500	2479.3709	2478.2399	1.1310	2	19	44	1	VIMGKYGKNVAVNGDEGGFAPPMK
✓	139	772.8200	771.8127	772.4695	-0.6567	0	19	64	1	LVLVDSK
✓	481	667.2600	1332.5054	1331.6431	0.8623	0	19	59	1	MSYAGDAFLTLK + Oxidation (M)
✓	299	520.9500	1039.8854	1040.6342	-0.7488	0	19	44	1	ILILGAGGATR
✓	423	628.3000	1254.5854	1254.7197	-0.1342	1	19	1.6e+002	1	ALVSGGGKKPWR
✓	448	645.4900	2577.9309	2578.3014	-0.3705	1	19	1.3e+002	1	DIEDIIADESVIITISGDDYVKR
✓	435	638.3200	1274.6254	1273.6455	0.9799	0	19	70	1	FDANVAGGLPWK
✓	421	418.2200	1251.6382	1252.6299	-0.9917	1	19	61	1	DTYSLEEKIR
✓	803	633.3000	1896.8782	1897.0673	-0.1891	2	19	55	1	TKKDSLHKYNLIPEVK
✓	640	586.6800	1757.0182	1754.8264	2.1918	1	19	58	1	FVPVDREDHTYSYK
✓	372	580.9100	1159.8054	1160.5422	-0.7367	0	19	68	1	DNLNGSDAIR
✓	1057	751.7000	2252.0782	2253.0913	-1.0131	1	19	52	1	ALEEAEADVAYYQALANEKR
✓	55	574.1400	573.1327	572.2918	0.8409	0	19	1.2e+002	1	DVPSR
✓	875	656.6200	1966.8382	1967.0813	-0.2431	2	19	52	1	AEWALQAATLNAARRLGR
✓	944	674.2500	2019.7282	2017.9788	1.7494	1	19	45	1	MVIEGMRTDSLMMFFGLR + Oxidation (M)
✓	882	656.6400	1966.8982	1965.8172	1.0810	0	18	56	1	WFPVEGPADICCCNK
✓	694	910.4300	1818.8454	1819.8233	-0.9778	0	18	63	1	AVLSYFNATGTGNMEMR + Oxidation (M)
✓	872	654.5300	1960.5682	1959.0322	1.5360	1	18	46	1	QITGLQMLGPMPPFSSK + Oxidation (M)
✓	212	454.4800	906.9454	906.4229	0.5225	0	18	59	1	QADGTMR + Oxidation (M)
✓	616	572.4200	1714.2382	1712.8477	1.3904	0	18	50	1	STIGGQIMFLTGMDVK + Oxidation (M)
✓	289	514.0700	1539.1882	1537.8578	1.3304	1	18	1.5e+002	1	LIYVFLKEPQK + Oxidation (M)
✓	1173	560.2800	2796.3636	2795.1839	1.1798	2	18	47	1	GSAVEKMSMEARMTMCNMSIEAGAR + 3 Oxidation (M)
✓	268	498.9900	1991.9309	1991.0258	0.9051	1	18	1.7e+002	1	ALYDRALSVMPPGVNNSVR
✓	290	514.4900	1026.9654	1026.6185	0.3469	1	18	1.7e+002	1	GLKALGAER
✓	702	607.5400	1819.5982	1817.8941	1.7040	1	18	52	1	TVSSHSLASMNKSSPAK + Oxidation (M)
✓	959	681.2700	2040.7882	2040.9501	-0.1619	1	18	52	1	SEKDFQQVFESGNSVANR
✓	411	618.2300	1234.4454	1233.6605	0.7850	1	18	1.7e+002	1	LFEVDKVQEK
✓	747	924.4200	1846.8254	1844.8113	2.0141	2	18	67	1	MDMLSRNNNMIMR + 4 Oxidation (M)
✓	893	658.9600	1973.8582	1974.1084	-0.2502	2	18	61	1	VILQLRLAKGADFAANK + Oxidation (M)
✓	506	465.4100	1393.2082	1393.7565	-0.5483	0	18	56	1	IVDHIGLSDALK
✓	310	526.8200	1051.6254	1051.6026	0.0229	0	18	72	1	APLQPSAAVK
✓	422	627.2100	1878.6082	1877.0040	1.6041	1	18	1.5e+002	1	MNIIGLTGGIASGKSTVSR + Oxidation (M)
✓	563	780.8300	1559.6454	1558.8679	0.7776	1	18	74	1	TLVPVSTRSNSALSK
✓	896	495.0700	1976.2509	1975.0123	1.2386	1	18	56	1	GSEAEENFGLAGLESILGR
✓	1137	638.1600	2548.6109	2547.3003	1.3106	1	18	44	1	TVTFLVLTSEGGITEKDLQMAR + Oxidation (M)
✓	390	596.0700	2380.2509	2381.1243	-0.8734	1	18	1.8e+002	1	LLDAGYKVAICEQMEDPQSSK
✓	712	608.2100	1821.6082	1821.9988	-0.3907	1	18	55	1	SYKQLPLNLYQIQSK
✓	883	656.6500	1966.9282	1965.1259	1.8023	0	18	67	1	AQQLTLTAPELTALIGGLR
✓	1217	921.4200	3681.6509	3679.8953	1.7556	2	18	32	1	AKADGVTINTYSIYDLIDLVKHALSGMMSAVIR
✓	906	661.9500	1982.8282	1980.9938	1.8343	1	18	61	1	ENLITGLVDAASYNMARK + Oxidation (M)
✓	873	654.5800	1960.7182	1958.8965	1.8216	0	18	55	1	GQVPAEVVDPDMDSLDK + 2 Oxidation (M)
✓	138	386.0600	770.1054	768.3919	1.7136	0	18	52	1	GYIFGGR
✓	572	795.3300	1588.6454	1587.8477	0.7978	0	18	1.6e+002	1	DINTGLLGIMLICR

✓	954	676.3000	2025.8782	2025.1656	0.7126	1	18	64	1	SLVLIEGAMLVVKISPNAR + Oxidation (M)
✓	413	619.3400	1236.6654	1237.6853	-1.0198	1	18	79	1	KSIFTGIGLMR + Oxidation (M)
✓	447	644.9300	1931.7682	1930.9791	0.7891	2	18	1.9e+002	1	MMDLLAKNGARCDVPLK
✓	341	555.9500	1664.8282	1665.8798	-1.0516	1	18	1.8e+002	1	LLQTHQTKEGENIR
✓	726	612.7800	1835.3182	1836.0152	-0.6970	2	18	56	1	LENVIRGTICGAIRHK
✓	867	650.8800	1949.6182	1949.9741	-0.3560	2	18	53	1	GTTsirCHVYDKSASIR
✓	953	676.2800	2025.8182	2024.8786	0.9396	1	18	60	1	KEEDIMDVWFDGSSSHK + Oxidation (M)
✓	532	745.2200	2232.6382	2232.2340	0.4041	2	18	1.5e+002	1	FLASVYLDGKQKPPSKVMPK
✓	888	657.9600	1970.8582	1969.1334	1.7248	2	18	67	1	RNAIVHVVRDGIIVLHSGK
✓	50	559.8100	558.8027	559.3330	-0.5302	0	18	1.1e+002	1	AGVSVK
✓	263	497.8100	993.6054	993.4987	0.1068	1	18	85	1	KAMIDMAAK + Oxidation (M)
✓	885	656.9800	1967.9182	1967.0761	0.8421	0	18	71	1	SIIEGGEVIAPLAEMILGR
✓	806	634.6000	1900.7782	1900.7792	-0.0011	0	18	66	1	MADDAGAAGGPGGPGGPMGNR + 2 Oxidation (M)
✓	809	635.2700	1902.7882	1901.8942	0.8940	1	18	68	1	ISRSlyADMFPGTTGDR + Oxidation (M)
✓	194	437.2100	872.4054	873.4556	-1.0501	1	18	1.2e+002	1	KAEDGINK
✓	907	661.9500	1982.8282	1982.0731	0.7551	1	18	65	1	QAAAMVRGIQSNNIATPK
✓	1112	610.5000	2437.9709	2437.2311	0.7398	1	17	53	1	DGILIAKSFTHIELFNGSSMK + Oxidation (M)
✓	940	670.6900	2009.0482	2007.1337	1.9144	2	17	74	1	NQTLGRISTHISNILRGK
✓	693	910.4300	1818.8454	1817.9173	0.9282	1	17	80	1	RDGRPLEELGFYNPR
✓	807	634.6100	1900.8082	1901.9667	-1.1586	2	17	72	1	GERGENSVSVRIVGSSNR
✓	714	912.8900	1823.7654	1823.9530	-0.1876	2	17	74	1	VDGVVEFTVKGQQQRK
✓	759	621.3400	1860.9982	1858.9683	2.0298	2	17	82	1	NVTVRGGEIDLVMRER + Oxidation (M)
✓	1128	498.7900	2488.9136	2489.2874	-0.3738	2	17	51	1	DIDELHSEKPGVAAPRASDDQLKK
✓	291	514.4900	2053.9309	2055.0484	-1.1175	1	17	2.1e+002	1	LVTETDVKDAVDAPPQTTR
✓	327	541.3000	1080.5854	1079.5863	0.9992	0	17	85	1	LELFLSGSSK
✓	644	589.8100	1766.4082	1765.8635	0.5447	0	17	62	1	YAAPQQGLGQVYNTEK
✓	528	494.9000	1481.6782	1481.7548	-0.0766	1	17	86	1	QAMERLVELYSK + Oxidation (M)
✓	905	661.9500	1982.8282	1980.9938	1.8343	1	17	71	1	ENLITGLVDAASYNMARK + Oxidation (M)
✓	553	385.3000	1537.1709	1537.7922	-0.6213	2	17	66	1	YCGVAKLEGNTKAK
✓	171	817.5800	816.5727	817.3501	-0.7774	0	17	1.3e+002	1	GSQCPNR
✓	307	525.8600	1049.7054	1048.4859	1.2196	0	17	95	1	QTEMLNEGK
✓	739	615.4500	1843.3282	1841.8295	1.4987	1	17	65	1	GFRTPTSDEMYFTFK + Oxidation (M)
✓	386	593.0800	1184.1454	1184.5608	-0.4153	0	17	2.1e+002	1	AQVEHMLEGR + Oxidation (M)
✓	844	647.2400	1938.6982	1938.9325	-0.2343	1	17	64	1	MRSEGMAGIVMALAAIDR + 3 Oxidation (M)
✓	1144	644.9300	2575.6909	2576.2732	-0.5823	2	17	51	1	GSSFLDPKGRGGSAGYDNAVALPAGGR
✓	1043	745.0300	2232.0682	2233.1512	-1.0830	0	17	77	1	QADGSAAVVSLEETMVLATVVS
✓	391	596.9300	1191.8454	1192.7193	-0.8738	1	17	85	1	VLRTITLHR
✓	613	572.0800	1713.2182	1711.9767	1.2415	2	17	68	1	AAKKGQMPQSIGVLLR + Oxidation (M)
✓	205	449.1700	1792.6509	1790.8257	1.8252	1	17	2.3e+002	1	QYELKEHNDINMK + Oxidation (M)
✓	403	609.8700	2435.4509	2435.1414	0.3095	0	17	2.3e+002	1	MLSETGLITFDPGYVSTGSTESK + Oxidation (M)
✓	362	573.3700	1717.0882	1714.9366	2.1515	0	17	2.5e+002	1	SLVETGGRLPSFVPR
✓	314	528.4300	1582.2682	1582.7450	-0.4768	0	17	2e+002	1	TTANYIGCGPTFPQK
✓	322	533.5800	1065.1454	1063.6753	1.4701	1	17	2.3e+002	1	LLLHEKIAK
✓	335	552.4100	2205.6109	2205.3433	0.2676	2	17	2.2e+002	1	ILRRAGAGLTLAVGLAATAAALR
✓	1107	801.5100	2401.5082	2400.1517	1.3565	1	17	59	1	GSTSTSGSSSTRNLWVSGLSNTK
✓	822	640.2600	1917.7582	1918.0465	-0.2883	1	17	72	1	KIVYFHENQLIYFVR
✓	1017	545.4800	2177.8909	2176.0656	1.8253	1	17	68	1	LTRMLTYAMEVSGIEGSFR + Oxidation (M)
✓	342	557.9900	1113.9654	1114.6458	-0.6804	2	17	83	1	QRSKQEVK
✓	483	668.3200	2001.9382	1999.9673	1.9708	1	17	2.6e+002	1	VLDEITADGFVVRTDMR
✓	810	635.2800	1902.8182	1900.9141	1.9040	2	17	84	1	EKSIESQFWYFGKMR + Oxidation (M)
✓	484	670.3200	2677.2509	2676.4082	0.8427	0	17	2.5e+002	1	IEAAVAEILAAVGEDPSRPLSATPSR
✓	754	619.9800	1856.9182	1857.9003	-0.9821	2	17	92	1	DSRGTDIVLHMRREGK + Oxidation (M)
✓	1126	621.7800	2483.0909	2481.0552	2.0357	1	17	70	1	KWEVVGEMEMDHFHEPYR + 2 Oxidation (M)
✓	333	546.1800	1090.3454	1090.5618	-0.2164	1	17	98	1	DLGESKSISR
✓	406	612.9100	1223.8054	1222.5798	1.2256	0	17	90	1	SLAVGSGSMVCR
✓	312	527.8400	1053.6654	1051.5233	2.1422	1	17	92	1	ARLYDMQR
✓	368	579.2700	1734.7882	1734.9450	-0.1569	2	17	2.9e+002	1	RVEEFLASSLRGIMK
✓	996	714.0100	2139.0082	2137.1565	1.8517	1	17	83	1	LDILINGERVDALAMITHK + Oxidation (M)
✓	433	636.6300	1906.8682	1907.0372	-0.1691	1	17	2.4e+002	1	LGgyGIIRMTQLPTMK + Oxidation (M)
✓	711	608.2000	1821.5782	1822.0676	-0.4894	1	17	71	1	RSLPALGIDSLVAIEIR
✓	443	640.7200	1279.4254	1280.6183	-1.1929	0	17	86	1	SSIFSTNIPCR
✓	1022	731.6000	2191.7782	2190.0692	1.7090	0	17	66	1	EADPDVAVLVINDYIGIEGSVSK
✓	349	564.0400	2252.1309	2250.0872	2.0437	1	17	2.5e+002	1	MMAVATADELRSLSGDELVDK
✓	650	891.9900	2672.9482	2673.3133	-0.3651	1	17	2e+002	1	SSEPVOYHSSAELGNLLTVEEEKK
✓	901	661.8800	1982.6182	1981.0480	1.5702	0	17	69	1	LIANNGSIQNDIGIPSDIK
✓	249	489.9800	977.9454	976.5342	1.4113	0	17	92	1	QVLGLEYP
✓	727	612.8000	1835.3782	1835.0054	0.3728	2	17	73	1	GFFIVRGKSDGVVLDAR
✓	409	615.7200	1844.1382	1844.0996	0.0386	1	16	2.5e+002	1	LGPDQLRILGPAAIALAR
✓	571	529.7700	1586.2882	1586.8926	-0.6045	2	16	82	1	LIIMTPSRRTLDR + Oxidation (M)
✓	920	498.7600	1991.0109	1989.2826	1.7283	2	16	95	1	LRDLLLVVRIVELLGR
✓	1140	853.7500	2558.2282	2557.1822	1.0460	2	16	79	1	MKSREGTVVDADDLMAEMISTAR + 2 Oxidation (M)
✓	1149	649.3000	2593.1709	2593.2821	-0.1112	1	16	74	1	INewTENMPIDVHVHLPKFK + Oxidation (M)
✓	489	675.6400	2023.8982	2025.0854	-1.1873	0	16	2.5e+002	1	LTEIAQSGNQINQLAGK
✓	540	502.9000	1505.6782	1504.8336	0.8445	1	16	1.1e+002	1	KMNPFAVHLLAK
✓	1053	750.3100	2247.9082	2248.1236	-0.2155	1	16	76	1	TSEFPVFAAAANDAGRVAALR
✓	298	520.4800	1038.9454	1039.6138	-0.6684	0	16	78	1	LVIavgQAGGR
✓	503	347.7200	1386.8509	1387.7646	-0.9137	1	16	1.2e+002	1	AWNMLGVAASKLK
✓	717	609.9600	1826.8582	1826.8589	-0.0008	1	16	1e+002	1	DPSMMAPMHQLRELK + Oxidation (M)
✓	1074	759.0200	2274.0382	2274.1902	-0.1521	2	16	88	1	QTLNFEICLNNLNRERK
✓	781	626.2500	1875.7282	1874.9560	0.7722	2	16	86	1	YLTMAIEEYSKRLSR + Oxidation (M)
✓	838	644.9500	1931.8282	1930.9856	0.8425	1	16	96	1	TNPLVNVMCVGLVEKDK + Oxidation (M)

✓	892	658.9400	1973.7982	1974.0330	-0.2348	1	16	85	1	AQCLRLRHNGNGHSLVSR
✓	975	693.6200	2077.8382	2077.0990	0.7392	2	16	83	1	IATTVA MA AVKYSDLSKHR + Oxidation (M)
✓	1185	970.4400	2908.2982	2906.5488	1.7494	2	16	68	1	LLEESTYAKGLASAAGVELKALSEEVTK
✓	1202	646.7500	3228.7136	3229.6309	-0.9172	1	16	62	1	GAVRAAFQLWSNVSALEFWEAPATGPADIR
✓	381	588.0100	1761.0082	1760.7610	0.2471	2	16	2.9e+002	1	FDEDGFNRCMAKQK + Oxidation (M)
✓	639	586.6200	1756.8382	1755.1121	1.7261	0	16	1.1e+002	1	SSSLSLLLLLLSLVALVK
✓	819	639.9100	1916.7082	1916.9877	-0.2795	1	16	84	1	GSVSELLKTLGAMTPEER
✓	820	639.9200	1916.7382	1915.0891	1.6491	1	16	87	1	TLEGGNLQVKFTVLIAGR
✓	1091	580.7000	2318.7709	2318.0857	0.6852	2	16	72	1	KWDLSSMRMYLNGGEAMVAK + 2 Oxidation (M)
✓	597	838.3600	3349.4109	3347.7395	1.6714	2	16	2.4e+002	1	VDIRSFSLQNVPMSDSIISILTEQVGEKAR + Oxidation (M)
✓	311	527.5000	2105.9709	2106.1909	-0.2200	2	16	2.7e+002	1	LIRELVTAAKLGGDVGVANFR
✓	542	505.6800	1514.0182	1513.8715	0.1467	1	16	1e+002	1	LILTINIDKNTEK
✓	1014	725.2500	2172.7282	2172.0959	0.6323	2	16	76	1	KVPSTPMMTIYLTDEYKR
✓	588	553.3700	1657.0882	1656.8552	0.2330	2	16	1e+002	1	VHSRLKMGPSM GV SR + Oxidation (M)
✓	1155	526.7900	2628.9136	2629.1359	-0.2223	1	16	66	1	HGNMTDEQVQNF FM LKEENR + 2 Oxidation (M)
✓	700	607.5400	1819.5982	1817.8982	1.7000	1	16	86	1	KAGCAELFVEGDNLAPK
✓	837	644.9300	1931.7682	1932.8234	-1.0552	0	16	94	1	FDV MD SGVNNLMGK + Oxidation (M)
✓	387	593.2900	1776.8482	1777.9178	-1.0697	2	16	3.5e+002	1	SSAR MTAP MVAAGAVAKK + 2 Oxidation (M)
✓	586	823.8600	1645.7054	1645.8385	-0.1331	0	16	1.2e+002	1	NPLVIYPCVDTDIK
✓	646	590.7800	1769.3182	1769.8472	-0.5290	0	16	88	1	DSLQ NI DNIVEGYIK
✓	884	656.9800	1967.9182	1966.9313	0.9869	2	16	1.1e+002	1	AAARQSGQ RG SL EQ MSK + 2 Oxidation (M)
✓	943	672.2600	2013.7582	2014.1285	-0.3703	2	16	87	1	EKEIC PR LIDFLVVVGK
✓	183	430.1700	858.3254	856.4515	1.8739	1	16	4e+002	1	GVRTD GP R
✓	436	638.6700	1275.3254	1273.5721	1.7533	0	16	2.9e+002	1	DAVAEGGSPV GC R
✓	356	570.1400	1138.2654	1138.5362	-0.2707	2	16	91	1	KEKEA EM MK + Oxidation (M)
✓	1171	1392.5900	2783.1654	2782.4225	0.7430	1	16	1.3e+002	1	MHYPKVYDVIVIGGGHAGTEAALAAAR + Oxidation (M)
✓	478	665.6900	1994.0482	1995.0313	-0.9831	1	16	2.8e+002	1	LDAAYSVAYKA AV GTPEAK
✓	1083	764.2200	2289.6382	2289.1682	0.4700	2	16	76	1	SNSV NG QVIGVL GC MA ER VR + Oxidation (M)
✓	498	458.6000	1372.7782	1370.6287	2.1495	1	16	1.4e+002	1	DQDREDARP NR
✓	710	607.8800	1820.6182	1821.0110	-0.3928	0	16	91	1	VVANLPYYITSPIIMK
✓	934	669.9600	2006.8582	2006.0367	0.8215	2	16	1e+002	1	LNGQ NL MYVEDAARKIR + Oxidation (M)
✓	492	680.5100	1359.0054	1357.7606	1.2449	0	16	1.1e+002	1	NGVLASFPVLDVK
✓	686	455.1800	1816.6909	1815.9050	0.7859	1	16	1e+002	1	NNNVWEGGKVVQ MG LR + Oxidation (M)
✓	544	761.0200	3040.0509	3040.2858	-0.2349	1	16	2.7e+002	1	M MD M G ASSGLG FM K MG HAGAGNDFVVIDSR + 5 Oxidation (M)
✓	824	640.2900	1917.8482	1918.9425	-1.0943	1	16	1.1e+002	1	LLEIDF DK NHLYER
✓	457	435.8700	1304.5882	1304.6149	-0.0268	0	16	1.4e+002	1	AYHQIYGD PN K
✓	948	674.8700	2021.5882	2021.0766	0.5115	1	16	85	1	GPGGGSTAQGTGALARP KV PSR
✓	912	662.3100	1983.9082	1983.1113	0.7969	2	16	1.2e+002	1	AERGTLKINSEVEIVGIR
✓	200	444.7400	887.4654	886.3677	1.0978	0	16	1.9e+002	1	YDMAMTR
✓	218	458.5000	914.9854	913.4730	1.5125	1	15	1.3e+002	1	APSSPGRSR
✓	652	595.8100	1784.4082	1784.9454	-0.5373	2	15	95	1	AMADAGIPVRLDTLKGAA + Oxidation (M)
✓	1111	607.0500	2424.1709	2422.1468	2.0241	1	15	1e+002	1	GGEVRASMEQALGTQ ME EAIVGK + 2 Oxidation (M)
✓	476	664.2600	1326.5054	1326.7805	-0.2751	2	15	1.2e+002	1	EVIPIMRLRGK + Oxidation (M)
✓	361	573.0600	1144.1054	1144.6023	-0.4968	1	15	1.2e+002	1	ITGGEPL MR R + Oxidation (M)
✓	1142	856.8900	2567.6482	2568.3395	-0.6913	0	15	76	1	ALDELAALAAQVSNASVNI DL SLR
✓	509	471.3800	1411.1182	1410.7593	0.3589	2	15	1e+002	1	GFQGAIKRHGQGR
✓	787	628.6300	1882.8682	1883.9476	-1.0795	0	15	1.2e+002	1	DIIDNELVDTPADSR
✓	825	640.6300	1918.8682	1919.9795	-1.1113	0	15	1.2e+002	1	FYRPGHGVFGLPDP PK
✓	295	347.1300	1038.3682	1038.5134	-0.1453	1	15	1.2e+002	1	DGYVWSGKK
✓	614	572.0900	1713.2482	1711.8464	1.4018	1	15	1e+002	1	IHCKSISHDEFIAR
✓	1163	677.4300	2705.6909	2704.4732	1.2177	2	15	74	1	TEQVGAGASQVAALFAVRDALLQRQR
✓	193	435.8800	869.7454	870.4559	-0.7105	0	15	1.1e+002	1	NAATPIER
✓	645	589.8300	1766.4682	1764.9006	1.5676	2	15	97	1	YARLVSSSSKGA VT DQP
✓	836	644.9300	1931.7682	1929.9367	1.8315	1	15	1.1e+002	1	SETATGYRNIALANF MR R + Oxidation (M)
✓	918	498.7400	1990.9309	1990.9822	-0.0513	1	15	1.2e+002	1	EAMEPEFKIYQH QV VK + Oxidation (M)
✓	990	712.6100	2134.8082	2134.0293	0.7789	0	15	94	1	FSLIASFAAMGDAITDETFK
✓	1056	751.3500	2251.0282	2249.0344	1.9938	1	15	1.1e+002	1	CDPSEINISDEMPKTTVMK
✓	762	621.9600	1862.8582	1863.1822	-0.3240	2	15	1.3e+002	1	IKGVL RP AI AV LP FN KK
✓	369	579.9000	1157.7854	1158.5451	-0.7597	1	15	1.6e+002	1	SRECNAP TP K
✓	450	431.6200	1291.8382	1289.6398	2.1984	1	15	1.4e+002	1	KACPGLAGSASGSK
✓	899	991.9600	1981.9054	1982.9334	-1.0279	0	15	1.2e+002	1	SPPSSSEIFT PA HEENVR
✓	904	661.9400	1982.7982	1982.9989	-0.2007	0	15	1.1e+002	1	AEAGELAFGTVESWLLYK
✓	344	559.8000	2235.1709	2233.1128	2.0581	2	15	4e+002	1	EKYVPKGGPAGDGGNGSNVVF K
✓	281	508.5900	1015.1654	1015.5848	-0.4194	0	15	1.4e+002	1	LLGNVMITR
✓	377	585.3300	1168.6454	1166.6005	2.0449	0	15	1.5e+002	1	L M VESGYKPK + Oxidation (M)
✓	529	496.3000	1485.8782	1484.5945	1.2836	0	15	1.5e+002	1	MGCIMSQ ED EAAK + Oxidation (M)
✓	1133	842.4000	2524.1782	2523.3162	0.8620	1	15	1.1e+002	1	EFIVVSQGDVISIFKFGNPN WK
✓	1159	665.6900	2658.7309	2657.1673	1.5636	1	15	80	1	YAMTGM TN W TL EASQTGTFRGR + 3 Oxidation (M)
✓	898	661.2800	1980.8182	1978.9955	1.8227	1	15	1.2e+002	1	LLGM GD LEGL ME KVSDLK + 2 Oxidation (M)
✓	895	494.8400	1975.3309	1976.0519	-0.7210	2	15	1e+002	1	RSSLYFLKPSYWSKSK
✓	733	614.0000	1838.9782	1837.8597	1.1185	2	15	1.4e+002	1	MGCAMSAEERAA LARS K
✓	1104	597.1900	2384.7309	2383.1808	1.5501	1	15	89	1	ALGWT TD QILERFGEYESIR
✓	270	499.2700	996.5254	994.5083	2.0171	0	15	1.4e+002	1	DLASSSFR
✓	740	615.7300	1844.1682	1844.9744	-0.8063	2	15	1.2e+002	1	RDSRIASDAIFQPEK
✓	969	688.6300	2062.8682	2062.9564	-0.0883	1	15	1.2e+002	1	TLTMGANGELHPSRFCEK + Oxidation (M)
✓	52	562.3300	561.3227	561.3234	-0.0007	1	15	2.5e+002	1	KASTR
✓	412	618.7400	1853.1982	1852.9539	0.2443	1	15	3.5e+002	1	MKIGIIGATGYGGA EM IR + Oxidation (M)
✓	552	511.5500	1531.6282	1529.7481	1.8801	2	15	1.5e+002	1	RAAPSGPARSSGGG MR R + Oxidation (M)
✓	846	648.5700	1942.6882	1942.0094	0.6787	1	15	1.1e+002	1	KPAYISGKLP HGS IDG MR R + Oxidation (M)
✓	190	435.8200	869.6254	867.4352	2.1903	0	15	1.4e+002	1	HWVVGDR
✓	195	437.2300	872.4454	870.5287	1.9168	0	15	2.2e+002	1	AAVLAATR

✓	961	513.0500	2048.1709	2046.2605	1.9104	1	15	1.3e+002	1	KVTIFIIIIIVALTGFSGSVR
✓	1055	751.3400	2250.9982	2251.0480	-0.0499	1	15	1.2e+002	1	RLVDGYWAPTTPTWGM DN R + Oxidation (M)
✓	549	763.3500	1524.6854	1523.6964	0.9890	1	15	1.5e+002	1	QQAQNSYNKDN SK
✓	472	661.9400	1321.8654	1321.6374	0.2280	2	15	1.5e+002	1	EAAKGEGRG EY R
✓	691	910.4000	1818.7854	1818.0074	0.7781	0	15	1.4e+002	1	TGGAMVTALLISFVIGPR + Oxidation (M)
✓	1153	653.7400	2610.9309	2610.1892	0.7417	0	15	88	1	THIMFIPFPAQGHMS PM MQFAK + 4 Oxidation (M)
✓	612	572.0700	1713.1882	1711.8278	1.3604	2	15	1.2e+002	1	EFEQYERETGLRR
✓	1019	545.5400	2178.1309	2176.9551	1.1758	2	15	1.3e+002	1	DTTCNDGKKCTIDACPPPK
✓	684	907.3900	2719.1482	2720.3150	-1.1668	0	15	3e+002	1	EGGLTPLAFPTIVVNDNIGMTEG MR + 2 Oxidation (M)
✓	730	613.1200	1836.3382	1836.8564	-0.5182	0	15	1.1e+002	1	GLLQAVDDYCADAELGK
✓	339	555.3700	1108.7254	1109.6305	-0.9051	2	15	1.5e+002	1	KISLDKHN R
✓	1023	732.6700	2194.9882	2196.1651	-1.1769	1	15	1.3e+002	1	KNSEVVTWTPRPGATLDLGR
✓	260	497.7800	993.5454	991.5702	1.9752	1	15	1.7e+002	1	DSKGVFVLK
✓	262	497.8100	993.6054	993.4926	0.1128	2	15	1.7e+002	1	MNDRFR R
✓	466	659.5600	1317.1054	1315.6741	1.4314	1	15	1.4e+002	1	MRAIMVGPFGSGK + Oxidation (M)
✓	608	853.9000	2558.6782	2559.2540	-0.5758	1	15	3.3e+002	1	SQACLSAFTSYRVGGAADLYVAPR
✓	942	672.0000	2012.9782	2011.0415	1.9367	1	15	1.4e+002	1	FPETQVITTKGPLDFYR
✓	142	387.7800	1160.3182	1160.6189	-0.3008	0	15	5.3e+002	1	IYNASELPVR
✓	902	661.9300	1982.7682	1983.0333	-0.2651	2	15	1.2e+002	1	FANRPRSKAVHGLM NG R + Oxidation (M)
✓	1166	688.6900	2750.7309	2751.4503	-0.7194	2	15	86	1	YPLRIHHRGSSSLPSVAAHPAQIGCK
✓	952	675.9700	2024.8882	2022.9905	1.8977	2	15	1.4e+002	1	GESQYNQRL ED MRILR + Oxidation (M)
✓	1138	639.5700	2554.2509	2552.1642	2.0867	0	15	1.2e+002	1	YPQAMANTTWQNS ET PLSSWK + Oxidation (M)
✓	783	626.4500	1876.3282	1874.8871	1.4411	2	15	1.1e+002	1	DSGSGKRL EF HATNDNK
✓	623	864.4600	1726.9054	1724.8477	2.0578	1	15	3.6e+002	1	EEIQALCYPSMIKK + Oxidation (M)
✓	635	584.4500	1750.3282	1749.8070	0.5211	2	15	1.2e+002	1	RDEYEDKHLGGFER
✓	1101	590.7800	2359.0909	2358.2332	0.8577	1	15	1.3e+002	1	AGYELHGISGFDVEDIVLRLR
✓	383	588.9200	2351.6509	2350.0720	1.5789	2	15	4.2e+002	1	SHSRKSASSFEMPVNNNNK + Oxidation (M)
✓	1003	719.9300	2156.7682	2157.0922	-0.3240	0	15	1.1e+002	1	SVVLMLEHSESGSMGLVINR
✓	1179	564.1900	2815.9136	2814.4651	1.4485	1	15	84	1	AVENVNDIADKIIGFDVTDQIGIDK
✓	475	663.7200	1988.1382	1986.7605	1.3777	0	14	3.6e+002	1	GDDGEMDAGASAL ME SCAGK + Oxidation (M)
✓	569	791.8000	3163.1709	3162.6369	0.5340	2	14	3.3e+002	1	GELLEKDP EN KMIEDLQLTLQSLSYK + Oxidation (M)
✓	320	532.2300	1062.4454	1060.5223	1.9232	0	14	1.9e+002	1	ITCSGDALPK
✓	398	605.7300	1209.4454	1207.5875	1.8579	1	14	1.5e+002	1	ML LKG MC APR + 2 Oxidation (M)
✓	766	624.6200	1870.8382	1871.9781	-1.1400	0	14	1.5e+002	1	VNDNGIWT LF IPGIGEK
✓	306	525.4100	1048.8054	1047.5574	1.2481	2	14	1.5e+002	1	DAVERFR R
✓	359	572.0100	1142.0054	1140.5346	1.4709	0	14	1.4e+002	1	NIMENEHVR
✓	587	828.9700	3311.8509	3309.8120	2.0389	2	14	3.5e+002	1	VFFSSKAYM ML LLKSSLD DF VIPLTILLR + Oxidation (M)
✓	577	542.1500	1623.4282	1622.8457	0.5825	1	14	1.3e+002	1	GWQEGIVKFAPTYK
✓	437	638.7000	1275.3854	1274.6843	0.7011	2	14	1.5e+002	1	VYSNRDLPR
✓	615	857.9000	2570.6782	2569.3136	1.3645	2	14	3.5e+002	1	VGTLSE TH ERIGTKSGQVLEWK
✓	828	641.5900	1921.7482	1919.9927	1.7555	0	14	1.3e+002	1	LWPAEHPI ML SASSPIR + Oxidation (M)
✓	938	670.6200	2008.8382	2006.9448	1.8934	2	14	1.3e+002	1	ML QHSNSTN EM MLRRK + 2 Oxidation (M)
✓	393	601.2300	2400.8909	2399.0457	1.8452	0	14	4.1e+002	1	AAAYFGQMGLNSIAHIDNDCR + Oxidation (M)
✓	258	497.2800	992.5454	991.5888	0.9566	0	14	2e+002	1	ILIFISMR
✓	1037	555.7700	2219.0509	2218.0609	0.9900	1	14	1.4e+002	1	SEAGMELI TD DMRPEKQK
✓	966	687.6100	2059.8082	2058.0601	1.7480	1	14	1.3e+002	1	IMVKPDEIDDLGAM RL AR + Oxidation (M)
✓	210	454.4200	906.8254	906.4593	0.3662	0	14	1.5e+002	1	MTSSAAAIR
✓	741	462.3100	1845.2109	1844.9526	0.2583	2	14	1.3e+002	1	RIEALTGQAAM DEL RR + Oxidation (M)
✓	833	644.2400	1929.6982	1929.0394	0.6588	1	14	1.3e+002	1	QMYTEGHLK TL VNPLK + Oxidation (M)
✓	1174	700.3100	2797.2109	2797.3561	-0.1452	1	14	1.1e+002	1	MLIVLNDN EMS ISENVGAINR FM R + 2 Oxidation (M)
✓	219	458.6300	915.2454	913.5457	1.6997	2	14	1.9e+002	1	DRIKNLR
✓	680	603.6500	1807.9282	1807.0064	0.9218	2	14	1.7e+002	1	SGLLN RV TREVHAVEK
✓	939	670.6400	2008.8982	2008.9701	-0.0720	0	14	1.5e+002	1	GKKPDGAEDNVDAIAPLENK
✓	158	398.4900	1589.9309	1589.8308	0.1001	2	14	4.8e+002	1	ME RGV LV KGSLNGSAR + Oxidation (M)
✓	100	342.8600	683.7054	684.3806	-0.6752	0	14	1e+002	1	AAEGIPK
✓	1123	620.0200	2476.0509	2474.2363	1.8146	1	14	1.2e+002	1	SLNYKQ ML LLLSLGTGTNSEFDK + Oxidation (M)
✓	951	1013.4200	3037.2382	3035.6576	1.5806	1	14	2.8e+002	1	ENIGLIEV ML LAILPARLETLELVER + Oxidation (M)
✓	303	524.0100	1046.0054	1046.5945	-0.5890	2	14	1.7e+002	1	RTVVSRRSR
✓	799	633.2400	1896.6982	1896.1448	0.5534	2	14	1.3e+002	1	LLKLGYPPGPIIEKLASK
✓	792	631.2200	1890.6382	1891.0388	-0.4006	2	14	1.3e+002	1	RAVAREESGKPGAHVTVK
✓	880	984.4500	1966.8854	1966.9973	-0.1119	2	14	1.5e+002	1	EAAADLHKDPQGFASRVK
✓	1024	551.4500	2201.7709	2202.0876	-0.3167	1	14	1.2e+002	1	KAEGAAL TNA AGVVESTSQAGDR
✓	1085	765.6900	2294.0482	2292.0225	2.0257	0	14	1.4e+002	1	DLLEQ MA EMVGEF FD LHR + 2 Oxidation (M)
✓	753	619.9700	1856.8882	1857.9697	-1.0815	1	14	1.7e+002	1	VKINSVAENANPNVVR
✓	995	713.9800	2138.9182	2139.0717	-0.1536	1	14	1.4e+002	1	MAEFRSGFVCLIGRPNTGK
✓	965	686.9800	2057.9182	2059.1174	-1.1993	2	14	1.5e+002	1	LSGEAFGGGKVGIDTQVIRR
✓	1060	564.2300	2252.8909	2251.1921	1.6988	0	14	1.2e+002	1	VSGGLHGVGSSVVNALSTQLDVR
✓	181	426.3200	1701.2509	1700.8821	0.3688	1	14	4.9e+002	1	QRTWGVPM SL FVHK + Oxidation (M)
✓	243	480.1300	958.2454	957.5243	0.7211	0	14	1.9e+002	1	ANLVADVTR
✓	937	670.4100	2008.2082	2007.8884	0.3198	0	14	1.5e+002	1	YMGLVADEENFQGFSSSK
✓	1010	542.3400	2165.3309	2165.1336	0.1973	2	14	1.3e+002	1	MGGYITMETLNSINIPKRR
✓	924	667.6700	1999.9882	1997.9953	1.9929	0	14	1.7e+002	1	EVATILGGGGGRPDMAQAGGK
✓	385	590.7000	1179.3854	1180.4852	-1.0998	0	14	1.6e+002	1	EIDAMGGE MR + Oxidation (M)
✓	551	510.7400	1529.1982	1527.6554	1.5428	0	14	1.5e+002	1	AMM Q MGQKPS EK + 2 Oxidation (M)
✓	531	744.9300	1487.8454	1488.7361	-0.8907	0	14	2e+002	1	ALYTLPEGFDAHR
✓	1088	771.6600	2311.9582	2311.0559	0.9022	2	14	1.3e+002	1	MC NHHPRHSHDNTIRIR + Oxidation (M)
✓	121	369.3300	736.6454	736.3425	0.3029	0	14	1.4e+002	1	DSIAGMK + Oxidation (M)
✓	264	497.9300	993.8454	994.4906	-0.6452	0	14	1.5e+002	1	ATDLFLCR
✓	595	837.2300	2508.6682	2509.3145	-0.6463	2	14	3.4e+002	1	SKSASLLVSDLCAYVVQVRCR
✓	1016	545.4400	2177.7309	2176.9769	0.7540	0	14	1.2e+002	1	MMTQTDLSAFFGADLATADR + Oxidation (M)
✓	26	493.5100	492.5027	492.2180	0.2847	0	14	1.5e+002	1	GSSDK

✓	543	506.9900	1517.9482	1515.7609	2.1872	1	14	1.9e+002	1	NYYTEFVEKVPK
✓	233	942.4700	941.4627	940.5342	0.9286	0	14	2e+002	1	LGPESLVAR
✓	955	676.5800	2026.7182	2027.0106	-0.2924	1	14	1.3e+002	1	DMDTSTPKPAPVTRSPATR
✓	1069	756.7200	2267.1382	2266.0868	1.0514	2	14	1.6e+002	1	DMREGLDGADIVMMLRLQR + 3 Oxidation (M)
✓	1113	610.6100	2438.4109	2438.2540	0.1569	1	14	1.3e+002	1	VTSVLSASYADSDIRDALSLDK
✓	545	508.0100	1521.0082	1519.8947	1.1135	2	14	1.6e+002	1	LAGGNPDVLRKRPK
✓	602	564.2500	1689.7282	1690.8750	-1.1469	2	14	1.8e+002	1	QRFATNTEVERAAAK
✓	1068	756.7100	2267.1082	2266.0668	1.0414	1	14	1.6e+002	1	HSPSPAHGGRYFGPDLYSHNK
✓	900	992.3000	1982.5854	1982.0796	0.5058	1	14	2.9e+002	1	SDAELIGIPVRASITGLDR
✓	424	629.9900	1257.9654	1257.6023	0.3631	0	14	1.7e+002	1	LAGMPEEDIQR
✓	705	607.5400	1819.5982	1819.8912	-0.2930	1	14	1.4e+002	1	TTAQTESNRDLSEQIK
✓	209	453.6600	905.3054	906.4043	-1.0988	1	14	2.3e+002	1	DGKEDTSR
✓	757	620.7100	1859.1082	1859.9671	-0.8589	1	14	1.7e+002	1	VMIALREPSLGPVGMGMK + 2 Oxidation (M)
✓	931	669.3000	2004.8782	2005.0376	-0.1595	0	14	1.6e+002	1	EAAAVMLGAVGYIDMIIPR + Oxidation (M)
✓	279	507.1600	2024.6109	2023.9859	0.6249	0	14	4.5e+002	1	MGLAAMDVVRPFPFNAEK + 2 Oxidation (M)
✓	618	573.7400	1718.1982	1716.9047	1.2935	0	14	1.5e+002	1	FSVTEPSRPGSEVVVK
✓	425	630.2000	1258.3854	1258.6962	-0.3107	0	14	1.8e+002	1	SFIATYTLGLFK
✓	719	611.1900	1830.5482	1830.8934	-0.3453	0	14	1.4e+002	1	YPHMNVLEIGAGTGGATK + Oxidation (M)
✓	755	620.3300	1857.9682	1857.0030	0.9652	1	14	1.9e+002	1	ISASLCVKQSQLAIDPK
✓	128	376.8600	751.7054	752.4003	-0.6949	0	14	1.3e+002	1	MGAHPLK
✓	355	569.9600	1706.8582	1704.7202	2.1379	0	14	4.7e+002	1	QVSEGTFFGPEHCFN
✓	827	641.2300	1920.6682	1918.7206	1.9476	0	14	1.4e+002	1	EDDMGMSMSSSLMLMWR + 2 Oxidation (M)
✓	629	582.5800	1744.7182	1743.9155	0.8027	0	14	1.8e+002	1	QINLPLEVSDATYNR
✓	1063	565.7100	2258.8109	2259.2515	-0.4406	1	14	1.3e+002	1	VASVIGFPLGATPTEVKVFEAK
✓	231	471.6900	941.3654	939.4232	1.9422	1	14	2e+002	1	AERMDYR
✓	601	563.3200	1686.9382	1687.7665	-0.8283	0	14	2e+002	1	MFHATVATDTEFFR + Oxidation (M)
✓	801	633.2500	1896.7282	1897.8701	-1.1419	1	14	1.5e+002	1	MQEQQQEGHGGGAALR + Oxidation (M)
✓	1075	759.0300	2274.0682	2273.2420	0.8262	1	14	1.7e+002	1	TLLFAGGVNDFFVQIQKIAK
✓	104	692.5500	691.5427	690.3660	1.1767	1	14	2.4e+002	1	SKANGSK
✓	271	334.4400	1000.2982	999.5601	0.7381	0	14	2e+002	1	SPIGLNVLST
✓	305	524.8700	1047.7254	1045.5404	2.1851	0	14	2.3e+002	1	AESALTQQAQ
✓	417	621.9600	2483.8109	2484.2431	-0.4322	2	14	4.9e+002	1	DNITKIMSEGVFSEQARPRYK + Oxidation (M)
✓	725	612.7700	1835.2882	1833.9077	1.3805	1	14	1.5e+002	1	VMDMAAAPGSKTTQIAAR + Oxidation (M)
✓	1007	720.2900	2157.8482	2159.0265	-1.1783	2	14	1.4e+002	1	CRFHPTCSHYGIEALRR
✓	816	638.9900	1913.9482	1911.9360	2.0122	2	14	1.9e+002	1	KMETDDYSRLLSVAER
✓	1146	645.9800	2579.8909	2578.2275	1.6634	1	14	1.1e+002	1	NAVEIYTDGACKGNPFGPGWGAFLK
✓	1177	561.7300	2803.6136	2803.4286	0.1850	2	13	1.3e+002	1	YEAQLLAGMDIQDAADLDRAARIIR + Oxidation (M)
✓	170	817.4200	816.4127	816.3977	0.0150	1	13	3.2e+002	1	DPKSQDK
✓	1050	561.3300	2241.2909	2241.1767	0.1142	2	13	1.6e+002	1	IHLSNDRVLTFRYEHVR
✓	277	505.1800	1008.3454	1007.4520	0.8935	0	13	2e+002	1	DLTNSSSER
✓	886	657.3000	1968.8782	1967.0813	1.7969	2	13	1.8e+002	1	AEWALQAATLNAARRLGR
✓	957	679.2800	2034.8182	2034.1163	0.7019	2	13	1.6e+002	1	ELFPDFRPQKVLRFSR
✓	1040	744.4100	2230.2082	2230.1495	0.0587	2	13	1.8e+002	1	YDPERQRVVYQPVITDPR
✓	742	616.0800	1845.2182	1843.0356	2.1826	1	13	1.6e+002	1	KIFVISADHFGDLLLR
✓	947	674.6100	2020.8082	2022.0026	-1.1945	2	13	1.6e+002	1	KANYLPMEACKYVEGQR + Oxidation (M)
✓	286	512.5700	1023.1254	1023.5093	-0.3838	0	13	1.6e+002	1	VLMVASMNK + 2 Oxidation (M)
✓	706	607.5600	1819.6582	1817.9496	1.7085	2	13	1.6e+002	1	RLGFSGSDADVQRAAR
✓	36	527.8400	526.8327	526.2612	0.5715	0	13	68	1	GGHTR
✓	815	638.5700	1912.6882	1910.9520	1.7361	1	13	1.5e+002	1	YGVVRVGQVLLTSDMSR + Oxidation (M)
✓	679	904.6200	1807.2254	1805.8995	1.3259	1	13	3.5e+002	1	WHPLLTGSKAAMHGER + Oxidation (M)
✓	794	631.2800	1890.8182	1888.9611	1.8570	1	13	1.9e+002	1	VMRPAADGRVTMDVISR + Oxidation (M)
✓	1117	614.3900	2453.5309	2452.3035	1.2274	1	13	1.3e+002	1	GQLLSIPAAYGDLEMVRYLLSK + Oxidation (M)
✓	634	875.9900	2624.9482	2623.2660	1.6822	2	13	4.3e+002	1	RVQLADQYMSAALGDANKDAIDR + Oxidation (M)
✓	728	612.8100	1835.4082	1835.9014	-0.4932	2	13	1.5e+002	1	ETGKTRNTIDPTDFNK
✓	796	631.5700	1891.6882	1892.8798	-1.1916	1	13	1.6e+002	1	QGIIMMMMMMKILK + 4 Oxidation (M)
✓	197	441.1500	1760.5709	1761.0288	-0.4579	0	13	5.5e+002	1	SLAASILVSSYIITVPK
✓	576	801.8500	1601.6854	1599.8654	1.8200	2	13	2.2e+002	1	DCAVIVTQKKVPDK
✓	950	675.2800	2022.8182	2022.0746	0.7436	1	13	1.7e+002	1	TVSLPTVAVSKGQPEEPAGR
✓	926	668.2800	2001.8182	2000.8828	0.9354	1	13	1.7e+002	1	AEADAMGIKMGDFMMPVR + 2 Oxidation (M)
✓	1181	714.6400	2854.5309	2852.3757	2.1552	1	13	1.4e+002	1	YGFTYEPTVQSSLEKGVDDVTFSGDK
✓	511	472.2000	1413.5782	1413.6446	-0.0664	0	13	2.2e+002	1	VQSFDGMTNISK + Oxidation (M)
✓	795	946.7500	2837.2282	2837.3840	-0.1558	2	13	3.9e+002	1	MTELYQSLADLNNVRFSAYRTAMK + Oxidation (M)
✓	1196	610.3300	3046.6136	3044.4307	2.1829	2	13	1.3e+002	1	MRVFERAVYFGDSCQDVLSMLGSPHK + Oxidation (M)
✓	248	489.9700	977.9254	976.4899	1.4355	1	13	2e+002	1	QLEVVKMD + Oxidation (M)
✓	550	510.7200	1529.1382	1529.8712	-0.7330	2	13	1.8e+002	1	KRATIGEMLVGLAR + Oxidation (M)
✓	1102	788.2000	2361.5782	2362.2103	-0.6322	2	13	1.4e+002	1	EDCPSPLEDVVLLKLGHKR
✓	146	390.9500	779.8854	778.4450	1.4405	0	13	1.7e+002	1	GHITPVR
✓	568	526.4100	1576.2082	1576.7773	-0.5691	2	13	1.8e+002	1	LSKEGYFDEAYKK
✓	843	485.4600	1937.8109	1937.1574	0.6535	1	13	1.8e+002	1	ALVPLRIAGGVASAVAGFLR
✓	709	607.8600	1820.5582	1819.9511	0.6071	1	13	1.6e+002	1	MGKIWLICTELMAR
✓	313	528.2800	1054.5454	1054.4601	0.0854	1	13	2.3e+002	1	NSTEDMSKK + Oxidation (M)
✓	651	595.7000	1784.0782	1784.9607	-0.8826	0	13	2e+002	1	HTMHIPSGDVLIPKPK + Oxidation (M)
✓	876	984.4400	1966.8654	1966.1840	0.6815	2	13	1.9e+002	1	RPVYIPGTIRKAQNLK
✓	1061	752.3500	2254.0282	2255.1216	-1.0934	1	13	1.8e+002	1	DARDQIAIDQAMIALDGTPTNK
✓	557	515.9600	1544.8582	1544.6745	0.1837	1	13	2.4e+002	1	SRMLSSDSSMLSCR + Oxidation (M)
✓	1125	828.0200	2481.0382	2480.2619	0.7763	1	13	1.5e+002	1	SSTIIGSNNTIREYVTVQAGSQR
✓	245	483.4600	964.9054	965.4679	-0.5624	1	13	1.8e+002	1	TYGAADGRR
✓	180	424.9300	847.8454	847.3923	0.4531	0	13	2.3e+002	1	TPTTAVGSD
✓	332	545.5000	1088.9854	1088.5760	0.4094	2	13	2.1e+002	1	KRAQAVCEK
✓	512	472.3600	1414.0582	1414.8296	-0.7714	2	13	1.9e+002	1	KLGGPSAFEKILR
✓	619	574.5200	1720.5382	1719.8904	0.6478	1	13	1.7e+002	1	VDGEVLRTNQFSVTR

✓	689	909.8900	1817.7654	1817.9352	-0.1697	0	13	2.1e+002	1	SYLYVFISADKPYPR
✓	458	654.2400	1306.4654	1306.6849	-0.2195	2	13	2.1e+002	1	MSKCLQQLKR + Oxidation (M)
✓	1121	619.3400	2473.3309	2472.2729	1.0580	2	13	1.8e+002	1	SVRAHNLYPMTRAGMANLDLVK + Oxidation (M)
✓	167	407.2200	812.4254	813.5436	-1.1181	2	13	2.3e+002	1	KAIKNLK
✓	1038	556.8600	2223.4109	2223.0618	0.3491	1	13	1.6e+002	1	VFGCACYFWLRFPYNRHK
✓	682	604.0700	1809.1882	1809.9447	-0.7565	1	13	1.8e+002	1	WLIMPPGEELKLNDR
✓	756	620.3500	1858.0282	1858.9836	-0.9554	2	13	2.2e+002	1	GRASPLWQRGGSLSLK + Oxidation (M)
✓	402	608.9600	1215.9054	1213.7142	2.1912	2	13	5.9e+002	1	AALARSKQIEK
✓	452	648.7100	1295.4054	1294.7106	0.6949	1	13	1.9e+002	1	DLHGTAALRVSR
✓	945	674.2600	2019.7582	2019.9969	-0.2387	1	13	1.7e+002	1	SIIMESQLPKGMEGTIDR + Oxidation (M)
✓	1064	754.6200	2260.8382	2261.1209	-0.2828	0	13	1.5e+002	1	SMATGEQVDVAVEGVVAEVLRS + Oxidation (M)
✓	1130	624.7600	2495.0109	2493.2156	1.7953	1	13	1.5e+002	1	VDSLGPPEMKSTGEVIGSDSSLEK + Oxidation (M)
✓	626	581.2600	1740.7582	1741.6238	-0.8657	0	13	2.2e+002	1	EENAGGMPMPGGMGPM + 2 Oxidation (M)
✓	284	510.6100	1019.2054	1019.5988	-0.3934	2	13	2.3e+002	1	RSSRFIVR
✓	986	1063.7600	4251.0109	4251.2348	-0.2239	2	13	3.5e+002	1	SAIEAGYLESEDNIIAIPASGKTLLGIIAALKITVMEGGR + Oxidation (M)
✓	232	471.7200	941.4254	939.4041	2.0213	0	13	2.6e+002	1	SLWMEGK + Oxidation (M)
✓	1141	513.0500	2560.2136	2560.2522	-0.0385	0	13	1.8e+002	1	RPQNMVVDLVITPNFMAMVEMK + 3 Oxidation (M)
✓	174	418.1200	834.2254	832.4450	1.7805	2	13	2.6e+002	1	MRGGRTR
✓	338	554.3900	1106.7654	1104.6543	2.1112	0	13	2.4e+002	1	NVLGYISVIK
✓	832	643.2300	1926.6682	1927.0527	-0.3845	2	13	1.7e+002	1	SLASYLSNGLYQRKLSK
✓	870	653.5800	1957.7182	1958.9181	-1.1999	2	13	1.7e+002	1	DGSSKSGAEDQTPKDVPNK
✓	1194	756.7200	3022.8509	3021.4641	1.3868	2	13	1.2e+002	1	KFAADEPAVLKEANAVSDDMIFDIGPK + Oxidation (M)
✓	565	786.4300	3141.6909	3140.7122	0.9787	1	13	5.9e+002	1	VSEVANDGRLYLDGPGVIVITLDQPFILLK
✓	353	568.6000	1135.1854	1134.5305	0.6549	0	13	2.1e+002	1	AFEGQAEEANK
✓	737	921.9300	1841.8454	1840.9070	0.9385	1	13	2.3e+002	1	TTTFMNDLIYYFGKK
✓	357	570.6500	1139.2854	1139.6411	-0.3557	1	13	5.8e+002	1	RQAVDVSPRL
✓	579	544.0800	1629.2182	1628.7790	0.4392	0	13	1.9e+002	1	DLTDYLLMMILTER + Oxidation (M)
✓	625	579.4300	1735.2682	1733.9096	1.3586	1	13	1.8e+002	1	ISSVTKVFTSLMMFK + Oxidation (M)
✓	734	614.4000	1840.1782	1841.0271	-0.8490	1	13	1.9e+002	1	ALRQIIGSLGGVANGYPR
✓	255	495.0600	988.1054	986.5621	1.5433	1	13	2.5e+002	1	RLQTQSVR
✓	715	913.4300	1824.8454	1823.9530	0.8924	2	13	2.3e+002	1	VDGYVEFTVKGAAQQRK
✓	80	312.0700	1244.2509	1244.5641	-0.3133	0	13	6.7e+002	1	NPPINEQMR + Oxidation (M)
✓	570	528.3300	1581.9682	1582.8144	-0.8462	1	13	2.3e+002	1	QWVYSSLNPFSEK
✓	909	661.9800	1982.9182	1983.1113	-0.1931	2	13	2.2e+002	1	AERGTCLKINSEVEIVGIR
✓	578	813.4300	1624.8454	1624.7766	0.0688	0	13	5.8e+002	1	NGEDNSAALLMSLK + Oxidation (M)
✓	1051	748.2900	2241.8482	2241.1489	0.6993	0	13	1.7e+002	1	TLIGSDTTGLDLEPVQRPSK
✓	440	640.2900	1278.5654	1278.6179	-0.0525	1	13	2.7e+002	1	HGFMIFFDRK
✓	707	607.5600	1819.6582	1819.8622	-0.2040	0	13	1.9e+002	1	ENCSEIQNESSLLGLK
✓	1129	624.5500	2494.1709	2494.1675	0.0034	1	13	2e+002	1	FGVPMFGFGPHAGYMAVHEKFAR + 2 Oxidation (M)
✓	1170	695.6900	2778.7309	2777.4496	1.2813	1	13	1.4e+002	1	GCPLIITGGSGFYLKAMLSGLAPDVPK + Oxidation (M)
✓	309	526.3900	1050.7654	1049.6121	1.1534	1	13	2.2e+002	1	ILVTDFFSKK
✓	829	481.5000	1921.9709	1921.9244	0.0465	1	13	2.3e+002	1	GLKGDWFPSTLPENSMSK + Oxidation (M)
✓	1071	568.6200	2270.4509	2270.0961	0.3548	1	13	1.7e+002	1	RTIGLAHVADLSDIDDQEMR + Oxidation (M)
✓	1136	637.4700	2545.8509	2546.2126	-0.3617	0	13	1.5e+002	1	MMYYLYSHAGINIFQYITFR + Oxidation (M)
✓	1018	545.5000	2177.9709	2179.1606	-1.1897	1	12	2.1e+002	1	ELGALVALMHCLVVDLDRR
✓	125	373.7400	745.4654	743.3748	2.0906	0	12	4.3e+002	1	GLCAAPR
✓	275	504.2700	1006.5254	1004.6018	1.9236	1	12	3.1e+002	1	KIYLAEAR
✓	460	656.5400	1311.0654	1310.7571	0.3083	1	12	2e+002	1	TAFHLKSVRPR
✓	716	609.5300	1825.5682	1823.8335	1.7347	1	12	1.9e+002	1	SEPYPGMPKMGPFTR + Oxidation (M)
✓	1190	600.4900	2997.4136	2995.5490	1.8646	2	12	1.6e+002	1	FQPTCSAYAHEAINKHGIVKGIWLAGK
✓	304	524.3900	1046.7654	1046.5403	0.2251	2	12	2.9e+002	1	QVGEMRRR + Oxidation (M)
✓	1006	719.9400	2156.7982	2156.1623	0.6359	2	12	1.8e+002	1	VGDQIQRELAELIRMEK + Oxidation (M)
✓	1054	750.7100	2249.1082	2248.0405	1.0677	1	12	2.2e+002	1	CETTFVFGNGCNLNNFKLK
✓	430	422.7600	1265.2582	1264.6048	0.6534	0	12	2.1e+002	1	QSDVATSGTPFR
✓	564	784.1100	3132.4109	3130.5315	1.8794	2	12	5.6e+002	1	NFNKFAEGSVLIEMGNTKVICTASIEDK + Oxidation (M)
✓	695	910.4400	1818.8654	1818.8862	-0.0208	0	12	2.6e+002	1	GVDFSATLMSVPAFFSK + Oxidation (M)
✓	1099	783.7100	2348.1082	2347.1015	1.0066	0	12	2.2e+002	1	ENGQHFPSVTNCSAEGIVVER
✓	1162	668.3200	2669.2509	2670.3714	-1.1205	1	12	1.9e+002	1	LSSDELVDVFKEMTLLELSDFK
✓	223	462.5700	923.1254	921.3974	1.7280	1	12	2e+002	1	NDMKENR + Oxidation (M)
✓	191	435.8500	869.6854	868.4477	1.2378	0	12	2.3e+002	1	FSVTIMR + Oxidation (M)
✓	1197	767.4400	3065.7309	3064.5838	1.1471	2	12	1.5e+002	1	MQKIGMPLLIHGEVTDPAIDIFDREAR
✓	282	508.6100	1015.2054	1013.5506	1.6549	0	12	2.6e+002	1	AGTGDKPLAGK
✓	1160	666.2900	2661.1309	2659.4176	1.7133	1	12	1.7e+002	1	MISAVGIPEVISKIEPALTSIMNSK + 2 Oxidation (M)
✓	1116	818.0100	2451.0082	2451.1926	-0.1845	1	12	1.8e+002	1	LKMPMGLITHNEFADGETYIR + Oxidation (M)
✓	201	445.1400	1776.5309	1775.8988	0.6320	1	12	7.8e+002	1	GEPLGLGLEGGQPGPRGMK
✓	1200	529.8200	3172.8763	3171.5706	1.3058	2	12	1.3e+002	1	LANATHLVWATGGGMVPEAEMRAYLERGR + Oxidation (M)
✓	598	559.5100	1675.5082	1674.8399	0.6683	2	12	2.2e+002	1	MAGFIGKEKHAUDEK + Oxidation (M)
✓	698	607.5300	1819.5682	1817.9379	1.6302	0	12	2e+002	1	NMSPGGGLLTLLISGLCK
✓	1150	865.5800	2593.7182	2594.2720	-0.5538	1	12	1.6e+002	1	NLISVGATPLAMTDCNLNYSPEKK + Oxidation (M)
✓	261	497.7900	993.5654	992.5152	1.0503	1	12	3e+002	1	TQTRFGQR
✓	823	640.2600	1917.7582	1915.8768	1.8814	1	12	2.2e+002	1	TVVGADYASMRVMTTR + Oxidation (M)
✓	293	517.3800	1032.7454	1033.4862	-0.7408	0	12	3.2e+002	1	CQTEVIER
✓	226	928.1700	927.1627	926.4457	0.7170	0	12	2.3e+002	1	ISAYSSSGR
✓	351	565.6600	2258.6109	2258.0096	0.6013	0	12	7.1e+002	1	MHQEALSNPMEFDNDIVPR + Oxidation (M)
✓	259	497.7700	993.5254	991.4611	2.0644	0	12	3e+002	1	FPGGSDTPSK
✓	346	561.1200	1680.3382	1679.7971	0.5411	1	12	6.5e+002	1	GVAATAAGSMMEGKEVR + Oxidation (M)
✓	834	483.5100	1930.0109	1931.0337	-1.0228	2	12	2.7e+002	1	QRDGTLLQRAEVVGFSSR
✓	591	831.3700	1660.7254	1660.8640	-0.1386	0	12	6.3e+002	1	ITGSVMNINIMPALR + 2 Oxidation (M)
✓	419	626.2700	1875.7882	1875.8936	-0.1054	2	12	7.3e+002	1	NGSSYKRTNGNVNHNK
✓	917	663.6300	1987.8682	1989.0353	-1.1671	1	12	2.5e+002	1	TVPMFNDALAEINKIAAR + Oxidation (M)
✓	925	667.8700	2000.5882	1998.9945	1.5937	2	12	2e+002	1	SASLWSGKHDLPMERASK

✓	358	571.5900	1141.1654	1141.6706	-0.5052	1	12	2.4e+002	1	EAKIQAE LLK
✓	480	666.2800	1330.5454	1331.6290	-1.0836	2	12	3.1e+002	1	QGNRNDESTRR
✓	847	648.7800	1943.3182	1944.0330	-0.7148	2	12	2e+002	1	LYPSLSGGEKQRVHFAR
✓	321	533.2300	2128.8909	2129.0609	-0.1700	1	12	8e+002	1	GAPCRIPV M VADDLTASV NK + Oxidation (M)
✓	1148	517.7600	2583.7636	2582.1523	1.6113	0	12	1.6e+002	1	ECGETYVLA EYD GTFFWSLLDSK
✓	106	347.6700	693.3254	691.3501	1.9754	0	12	3e+002	1	QGTASTK
✓	980	1047.7700	3140.2882	3138.6615	1.6267	1	12	4.4e+002	1	GLQIVDPGRGEAQINAWPGVVTVGLFAER
✓	1089	772.8500	2315.5282	2316.2074	-0.6792	2	12	1.8e+002	1	EVEQIHREVA F SKTSQTLSK
✓	397	605.0300	1208.0454	1206.5629	1.4825	0	12	2.2e+002	1	VIGFGNDS ENR
✓	94	337.7700	673.5254	672.3303	1.1951	0	12	4.8e+002	1	NNAGAAR
✓	1020	545.7200	2178.8509	2179.0909	-0.2400	1	12	2e+002	1	FSSVNL S KYSTATSGQIYAR
✓	738	615.0800	1842.2182	1842.9668	-0.7486	1	12	2.3e+002	1	AFYNLAIKLGGYAW EK
✓	731	613.3600	1837.0582	1835.9433	1.1149	2	12	2.7e+002	1	MNFLAAAGVRRLCAMR
✓	1105	800.6000	2398.7782	2398.1699	0.6082	0	12	1.8e+002	1	FPD A QLVGIDHSQ A MLAS AQ QR + Oxidation (M)
✓	890	658.5500	1972.6282	1971.9697	0.6585	2	12	2e+002	1	LIAPGRGAN M GDGWETR R + Oxidation (M)
✓	999	537.4300	2145.6909	2146.0232	-0.3323	2	12	2e+002	1	GSPENSGFFAKVRDFF EGR
✓	225	926.9700	925.9627	924.4341	1.5286	0	12	2.1e+002	1	DLFDYPR
✓	438	638.7100	1275.4054	1274.7320	0.6735	2	12	2.7e+002	1	HKIAASVRHTR
✓	949	675.2700	2022.7882	2021.9948	0.7934	2	12	2.2e+002	1	MNLM T PEALGKLKE EMR + 2 Oxidation (M)
✓	334	551.4300	1100.8454	1101.5414	-0.6960	1	12	3e+002	1	KETGAEGASPR
✓	720	611.9800	1832.9182	1830.9952	1.9230	2	12	2.9e+002	1	VAI I AGNKR F VTDENGK
✓	266	498.7700	995.5254	996.4434	-0.9179	0	12	2.9e+002	1	SMSSVV EDK + Oxidation (M)
✓	735	921.4400	1840.8654	1839.9730	0.8924	2	12	2.8e+002	1	EAAYDKIYNIAKVGS AK
✓	812	635.9600	1904.8582	1904.1319	0.7262	2	12	2.8e+002	1	LKVAPATQPRALSIVQGR
✓	446	644.2400	1286.4654	1286.6143	-0.1489	0	12	3e+002	1	FSGSGAGTDFTLK
✓	784	626.9400	1877.7982	1878.9112	-1.1130	1	12	2.6e+002	1	DEWLKVEATSTAWTSR
✓	779	626.2500	1875.7282	1874.0659	1.6623	2	12	2.4e+002	1	MKAIAVLKGTSEVTGV VR + Oxidation (M)
✓	1213	911.1500	3640.5709	3638.8210	1.7499	2	12	1.2e+002	1	KEADSHVQSQSHSEISELTAKLSTLEQALG IMS R + Oxidation (M)
✓	699	607.5300	1819.5682	1818.9363	0.6318	1	12	2.2e+002	1	TIGYRTDIDALPVEEK
✓	350	564.9700	1127.9254	1128.4944	-0.5689	0	12	2.7e+002	1	LTGQFC EMK + Oxidation (M)
✓	897	660.2400	1977.6982	1977.9466	-0.2484	0	12	2.2e+002	1	MEIVHIETGGSIA F SES R + Oxidation (M)
✓	933	669.9500	2006.8282	2006.0003	0.8279	2	12	2.5e+002	1	AHSEEHAA SM GPELLRRK + Oxidation (M)
✓	1015	725.2500	2172.7282	2173.1023	-0.3742	2	12	2e+002	1	TYNSCLAIRKACEFL LSK
✓	866	650.5600	1948.6582	1946.9084	1.7497	1	12	2.2e+002	1	DFADF GYK QGDPI M TVK + Oxidation (M)
✓	38	528.4100	527.4027	526.3479	1.0549	0	12	2.1e+002	1	IIPGK
✓	323	534.2200	1066.4254	1064.5250	1.9004	1	12	2.9e+002	1	ARIYEEER
✓	599	559.7700	1676.2882	1676.8039	-0.5158	1	12	2.4e+002	1	QIQQL MS AGDKEGA EK + Oxidation (M)
✓	533	748.3900	2242.1482	2243.0688	-0.9206	2	12	7.9e+002	1	HPRSRNKP DM PS MS PGV R + 2 Oxidation (M)
✓	786	627.5900	1879.7482	1879.9028	-0.1546	0	12	2.5e+002	1	MAQLLTQL MS MD MVR + Oxidation (M)
✓	329	543.6100	1085.2054	1085.5353	-0.3298	1	12	2.8e+002	1	IDKEGANPDK
✓	370	579.9300	2315.6909	2315.0827	0.6082	2	12	8.3e+002	1	GMRHPWNEE EPK VFAD MV K + Oxidation (M)
✓	395	402.4600	1204.3582	1202.6142	1.7439	1	12	2.9e+002	1	AKINSLEDGEK
✓	562	780.3500	1558.6854	1556.6855	1.9999	0	12	3.3e+002	1	YDQYNIAGTDGGR
✓	800	633.2400	1896.6982	1895.9588	0.7393	0	12	2.4e+002	1	ETLNNLLA HT GQSLEK
✓	119	369.3100	736.6054	734.4327	2.1728	0	12	2.7e+002	1	VTLAFGK
✓	1087	766.1400	2295.3982	2294.2059	1.1923	2	11	2.3e+002	1	NFLSLVEEVKAHFKSLYDR
✓	207	452.5600	903.1054	902.4280	0.6774	0	11	3.4e+002	1	DVGCSIPR
✓	1081	763.9900	2288.9482	2288.1543	0.7939	1	11	2.3e+002	1	ISITVPTDQ M GNATSQIQGRR + Oxidation (M)
✓	374	583.4700	1164.9254	1163.6662	1.2592	0	11	2.6e+002	1	NGPLITIPSPR
✓	1011	723.6100	2167.8082	2166.1103	1.6979	1	11	2.3e+002	1	LTREGQ M LADSLVAYGASLR + Oxidation (M)
✓	1164	682.2800	2725.0909	2724.4533	0.6376	1	11	1.9e+002	1	LLWLYQEVERPLSRVLAHMEAR + Oxidation (M)
✓	790	472.4600	1885.8109	1885.0210	0.7899	0	11	3e+002	1	FLWIAAASAA TAA AQV PAR
✓	718	610.9300	1829.7682	1828.0418	1.7263	1	11	3e+002	1	LDRLVLLDSGSTSVVR
✓	604	849.8700	2546.5882	2545.0955	1.4927	0	11	6.7e+002	1	ELWNYGIEE SE HTPED MP PVA + Oxidation (M)
✓	805	633.8800	1898.6182	1897.8848	0.7333	1	11	2.4e+002	1	HLSMHCKMD DA IEAK
✓	360	572.7700	2287.0509	2285.0636	1.9873	2	11	9.4e+002	1	LMNI N EMECRM AC SSSKVK + Oxidation (M)
✓	622	863.3300	2586.9682	2587.1890	-0.2208	1	11	6e+002	1	GKETGIT TML MDAGMDTG F MLLK + 3 Oxidation (M)
✓	831	642.6100	1924.8082	1925.9992	-1.1911	2	11	2.8e+002	1	DREMEIKAQIAAIAHSK + Oxidation (M)
✓	960	681.6200	2041.8382	2040.9164	0.9217	0	11	2.7e+002	1	TDDDDIFVGE GV DYTVPGK
✓	1067	756.6900	2267.0482	2268.2147	-1.1666	2	11	2.8e+002	1	DPEKPEASMEVKGQKLI TR
✓	140	387.5900	773.1654	771.4239	1.7416	0	11	4.2e+002	1	NTALPTR
✓	946	674.6100	2020.8082	2019.9895	0.8187	2	11	2.6e+002	1	DGRQ M DKLVGAETSELQK + Oxidation (M)
✓	887	657.6500	1969.9282	1970.9013	-0.9731	0	11	3.1e+002	1	SVNTSMGFTFQAGVMMGTR
✓	782	626.2800	1875.8182	1873.9745	1.8437	1	11	3.1e+002	1	REEGSVGLSITVDSLANK
✓	494	680.7800	2039.3182	2037.9942	1.3240	2	11	8.1e+002	1	SRTKGYASMEYQLIGYR + Oxidation (M)
✓	244	481.6100	961.2054	959.5083	1.6971	2	11	3.5e+002	1	MTPRQRR + Oxidation (M)
✓	648	594.1400	1779.3982	1779.8937	-0.4956	1	11	2.5e+002	1	SMEDRAEQNLPLHLK
✓	1073	758.3600	2272.0582	2270.1941	1.8641	1	11	2.8e+002	1	TTVTHTMTLTGEIDPVTGRIK
✓	1002	719.9200	2156.7382	2157.1793	-0.4412	2	11	2.4e+002	1	DVQGLPNVDKIYSELLARK
✓	865	650.2500	1947.7282	1947.0499	0.6782	2	11	2.6e+002	1	DCGGLSTWKKLLDTILK
✓	162	402.3600	802.7054	803.4038	-0.6984	1	11	4.1e+002	1	RDTAWR
✓	752	619.9700	1856.8882	1854.8782	2.0100	1	11	3.4e+002	1	TGIDL P NEMTGYKGT SR + Oxidation (M)
✓	770	625.9300	1874.7682	1872.9516	1.8166	1	11	3e+002	1	AWIGDLLGGPLMSRESR + Oxidation (M)
✓	692	910.4000	1818.7854	1816.9043	1.8812	0	11	3.3e+002	1	VAVFTWHGCSLQLSGR
✓	1186	586.6400	2928.1636	2927.5790	0.5847	2	11	1.9e+002	1	LLLMDEPLAALDSQRKSEILPYLQR + Oxidation (M)
✓	558	515.9600	1544.8582	1544.8709	-0.0127	1	11	3.8e+002	1	KVVVSMGVGV AL TNR + Oxidation (M)
✓	301	522.4100	1042.8054	1041.4403	1.3651	0	11	3.6e+002	1	YYDPNNEK
✓	998	537.4000	2145.5709	2146.0663	-0.4954	2	11	2.4e+002	1	VNKAMESGLHVKGYNAPC MK + Oxidation (M)
✓	1139	640.2700	2557.0509	2555.2117	1.8392	2	11	2.3e+002	1	TPRE M VESMTVLGQR ML GWR + 3 Oxidation (M)
✓	337	553.8800	1105.7454	1104.4836	1.2619	0	11	4e+002	1	HTYDEEGVR
✓	367	579.2400	2312.9309	2312.2390	0.6919	2	11	9.6e+002	1	FSTPVWISQAQGIRAGPQRLT

✓	1178	564.0000	2814.9636	2814.2068	0.7568	0	11	1.9e+002	1	CPSDPNSQMVLMTSGLGDSLLAETEM + 2 Oxidation (M)
✓	280	508.1100	1014.2054	1012.5778	1.6277	1	11	3.3e+002	1	VDGAGLRGLR
✓	973	689.9600	2066.8582	2067.9830	-1.1248	1	11	2.9e+002	1	ENHPGMQIAVGGCLAQKDK + Oxidation (M)
✓	1189	594.2800	2966.3636	2966.3922	-0.0286	1	11	2.2e+002	1	MADEAIQEGEAAPSGTMDVMTALKEVLK + 2 Oxidation (M)
✓	516	713.3100	1424.6054	1423.8147	0.7908	1	11	3.6e+002	1	QLALLSGEGGRVPK
✓	763	622.3400	1863.9982	1862.9421	1.0560	0	11	3.4e+002	1	CSPPTLVGNSAHVAQGLR
✓	1086	574.8400	2295.3309	2293.1922	2.1387	2	11	2.8e+002	1	TVCSGLVKYLEQMQQRK + Oxidation (M)
✓	984	701.9900	2102.9482	2104.0841	-1.1359	0	11	3.1e+002	1	VLDVFEADLPFAFGTDAVVAR
✓	732	920.4400	1838.8654	1836.8974	1.9680	1	11	3.4e+002	1	LRNLTYSAHMSLEMR + Oxidation (M)
✓	43	544.0900	543.0827	542.3792	0.7036	1	11	3.1e+002	1	AIKIV
✓	760	621.4700	1861.3882	1860.7432	0.6450	0	11	2.6e+002	1	ASGEYELEMSSSGGSNDGR + Oxidation (M)
✓	798	948.4000	2842.1782	2840.4670	1.7112	1	11	6.5e+002	1	FETFSYLPPLPSDAQIAQVDMIIAK + Oxidation (M)
✓	935	670.3000	2007.8782	2006.1135	1.7646	2	11	3.1e+002	1	FKTPLLFSQEVRCLLR
✓	465	659.2700	1316.5254	1315.6271	0.8984	0	11	4e+002	1	AAFADMWFTLK + Oxidation (M)
✓	607	852.6400	2554.8982	2555.1793	-0.2811	0	11	6.8e+002	1	FRPTCSNISWMVCDMVEKPAK
✓	637	877.8400	2630.4982	2631.3941	-0.8960	2	11	7e+002	1	DIIAILGMDELAEDKLVVYRAR
✓	643	589.8100	1766.4082	1765.9621	0.4461	1	11	2.7e+002	1	RMQERPIGPLVDALR + Oxidation (M)
✓	778	626.2300	1875.6682	1874.8792	0.7890	0	11	2.8e+002	1	AAASVQNNNAQIGEMVVK + Oxidation (M)
✓	1115	612.4700	2445.8509	2445.0675	0.7834	1	11	2.2e+002	1	MEAPASSFSMVAEEDSEELRK + Oxidation (M)
✓	491	679.9300	1357.8454	1355.7409	2.1046	0	11	4e+002	1	EVGISLNGILGER
✓	765	936.3400	2805.9982	2806.4977	-0.4995	0	11	6.1e+002	1	ELEISQSNALISLLSHLVANTAAALR
✓	771	625.9300	1874.7682	1873.0859	1.6823	2	11	3.2e+002	1	KAVLLSFRLNPMVEIK + Oxidation (M)
✓	638	586.3400	1755.9982	1753.8523	2.1459	0	11	3.6e+002	1	SVPLGIDTDFDSSYPTR
✓	154	397.3500	792.6854	791.3847	1.3007	0	11	3.3e+002	1	IDLEMR + Oxidation (M)
✓	744	462.5700	1846.2509	1844.0632	2.1877	1	11	2.8e+002	1	ARHILLKPSILSEDR
✓	1008	720.5900	2158.7482	2159.0933	-0.3451	0	11	2.5e+002	1	SFSNPVTVMQVAEDIGPGLAK
✓	1039	742.3400	2223.9982	2224.1423	-0.1441	2	11	3.1e+002	1	SGIPGASMGPPKPSFGHDLIGK + Oxidation (M)
✓	363	577.1800	1152.3454	1150.5838	1.7616	0	11	8.3e+002	1	MKPGSIVTMR + 2 Oxidation (M)
✓	378	586.8900	1171.7654	1171.6561	0.1094	0	11	4.3e+002	1	LIDLLTANSGR
✓	217	458.3600	914.7054	914.5338	0.1717	0	11	4.6e+002	1	AILGAFFPR
✓	1036	740.6900	2219.0482	2220.0198	-0.9716	2	11	3.2e+002	1	NEASPLQRSGRGIVCECK
✓	1118	614.8000	2455.1709	2456.2113	-1.0404	1	11	3e+002	1	VMLGAGSVFSINRLMEEIEMSK + Oxidation (M)
✓	175	418.1500	834.2854	832.4039	1.8816	1	11	4.8e+002	1	GNDKTGNK
✓	696	910.4400	1818.8654	1818.8399	0.0255	1	11	3.7e+002	1	EFQAEFFPKCTYPR
✓	1046	559.5200	2234.0509	2232.1433	1.9076	1	11	3.3e+002	1	QRAFVDVILSTGMDINSRPGR
✓	840	645.9300	1934.7682	1932.9979	1.7703	2	11	3.1e+002	1	KGYSIDIQKIIGLSHEMV + Oxidation (M)
✓	575	799.9300	2396.7682	2396.2005	0.5676	2	11	8.6e+002	1	LPVISHGEDKELSKNGVMNEGK + Oxidation (M)
✓	238	477.2000	952.3854	950.4570	1.9285	1	11	3.6e+002	1	NQNEKYR
✓	265	498.3000	994.5854	994.4832	0.1023	0	11	3.9e+002	1	AEISDHAPR
✓	1062	753.5800	2257.7182	2258.1048	-0.3867	2	11	2.4e+002	1	VTVEVVNNMRFTGMGRNYR + Oxidation (M)
✓	1204	649.9100	3244.5136	3245.6476	-1.1340	2	11	2.2e+002	1	MNQFDSALHQGTGPGSVLDNRGHVIRELR
✓	110	354.3100	1059.9082	1059.5131	0.3951	1	11	1.1e+003	1	MDPARDSL
✓	520	725.9000	1449.7854	1447.6990	2.0865	1	11	9.3e+002	1	RAWLSMAEQNAR + Oxidation (M)
✓	830	481.5100	1922.0109	1921.1360	0.8749	1	11	3.6e+002	1	TPILSARISAPASVIANLK
✓	285	511.1400	1020.2654	1020.5386	-0.2731	1	11	3.8e+002	1	VSAAMAKTAR + Oxidation (M)
✓	389	595.7500	1189.4854	1190.5965	-1.1110	0	11	4.7e+002	1	LILESGGAEMR + Oxidation (M)
✓	687	606.7000	1817.0782	1815.9400	1.1381	0	11	3.7e+002	1	ASPGMNSGDLAVLLINTK + Oxidation (M)
✓	813	477.5900	1906.3309	1906.9207	-0.5898	1	11	2.8e+002	1	GISEGFARNCAVEVDGK
✓	501	691.2500	1380.4854	1380.6959	-0.2105	0	11	8.4e+002	1	GEIMFSGSPTVTK + Oxidation (M)
✓	1082	764.0100	2289.0082	2287.1055	1.9026	2	11	3.1e+002	1	KVMGEAVSYICGLREDYSR
✓	1157	664.2800	2653.0909	2651.2749	1.8160	1	11	2.5e+002	1	QGVLEEFQVMTGATADAIDKAEDR + Oxidation (M)
✓	751	619.3700	1855.0882	1852.9101	2.1780	1	11	3.7e+002	1	FSENPLTTVMASRSASR
✓	1077	760.0000	2276.9782	2275.0871	1.8911	2	10	3.1e+002	1	AEGCKIIAVDNSPAMVERCR
✓	224	463.8100	925.6054	925.5345	0.0709	1	10	3.7e+002	1	DAKAPVLGR
✓	505	697.5600	2786.2109	2785.4320	0.7789	2	10	8.5e+002	1	QVDVFIVRETFSIAITLSRATLMK + Oxidation (M)
✓	1052	749.9800	2246.9182	2245.0905	1.8277	1	10	3e+002	1	CSVGLMSSVPAKEPNAMGPK + Oxidation (M)
✓	636	585.4900	1753.4482	1752.0006	1.4476	2	10	3e+002	1	ARRLLGIDLDGDDAIVR
✓	228	469.3200	936.6254	934.4607	2.1647	0	10	4.3e+002	1	QELSGISTT
✓	1209	587.3400	3517.9963	3516.7467	1.2497	1	10	1.8e+002	1	QYWFQNDPVDVTVVRTEIVHVWPGTDAFLK
✓	525	737.6300	1473.2454	1472.8262	0.4182	0	10	3.4e+002	1	IAILAIAISAMVDAK + Oxidation (M)
✓	930	669.2700	2004.7882	2003.0186	1.7695	0	10	3.1e+002	1	TPADVIVFAGVHFMAETAK
✓	156	397.8500	793.6854	793.3752	0.3102	1	10	3.3e+002	1	DATGMKR + Oxidation (M)
✓	1219	791.6900	3953.4136	3953.9211	-0.5075	1	10	1.3e+002	1	MSESTGIPQGSAPVGAAGSAPAPGVGGTECSGAAVGSARIAVK + C
✓	302	522.4700	1042.9254	1041.5818	1.3436	0	10	3.9e+002	1	LLITQDSFR
✓	1094	776.8300	2327.4682	2326.2103	1.2578	2	10	2.7e+002	1	IKTVQGINDFASMYEVLSSR
✓	541	503.5100	1507.5082	1506.6885	0.8197	2	10	3.4e+002	1	MRAHYEAKGGEDK + Oxidation (M)
✓	1108	601.6500	2402.5709	2401.3917	1.1792	2	10	2.6e+002	1	TAISLGVPVPPVRPIAERRVSR
✓	257	496.2900	990.5654	991.4975	-0.9320	0	10	5.4e+002	1	GPSGLEGTFFK
✓	1223	738.7100	4426.2163	4426.3549	-0.1386	2	10	1.4e+002	1	HLANALPNATLVLEYGGHASNITDPLPFQRALRAFLSTQP
✓	814	955.2400	3816.9309	3815.0478	1.8831	2	10	7.3e+002	1	IVPIWSAGIISLAAMTTQGTFTVSQALKMDRNLGPK
✓	1109	805.8800	2414.6182	2415.2137	-0.5956	1	10	2.6e+002	1	LMQIGISVKSHMSALENDAVEK + Oxidation (M)
✓	384	589.3000	1764.8782	1765.8590	-0.9809	1	10	1.3e+003	1	KLGITGSDDDVMAMGIDK + Oxidation (M)
✓	772	625.9400	1874.7982	1874.0347	0.7635	1	10	3.9e+002	1	QNAVAPAAVARPAQRQR
✓	1012	725.2400	2172.6982	2170.9982	1.7000	1	10	2.8e+002	1	AGVTIMEMIKEMDAGDMVAK + 2 Oxidation (M)
✓	203	446.5500	891.0854	890.5073	0.5782	0	10	4.2e+002	1	ATVSISVSK
✓	968	688.6200	2062.8382	2061.0491	1.7891	1	10	3.3e+002	1	DQSDFGQTVELGELRLR
✓	497	685.3000	1368.5854	1369.6040	-1.0185	0	10	4.3e+002	1	CDMLLGAAMQTK + 2 Oxidation (M)
✓	722	612.4900	1834.4482	1833.9771	0.4711	2	10	3.1e+002	1	NVEGKQMLVPYRGSIK + Oxidation (M)
✓	253	494.8900	987.7654	986.5331	1.2323	1	10	5e+002	1	SIVPEMRR
✓	889	658.2500	1971.7282	1971.1517	0.5765	2	10	3.1e+002	1	KLKKTTVNGHLLSIYSLK
✓	891	658.5900	1972.7482	1971.9625	0.7856	2	10	3.1e+002	1	YIGWSMFDKGVQVVRQR + Oxidation (M)

✓	1110	606.8100	2423.2109	2423.4226	-0.2117	0	10	3.4e+002	1	MGSATVLEVILAILLPVGVFLR + Oxidation (M)
✓	978	698.3100	2091.9082	2090.0168	1.8914	0	10	3.6e+002	1	VNEFSIGGVSVQDTPPSETK
✓	407	613.3700	1837.0882	1835.9088	1.1794	1	10	1.1e+003	1	VYLGDVTADDPSKLMGR
✓	414	619.8200	1237.6254	1235.5928	2.0326	1	10	4.4e+002	1	RGSGPSGLSGMSK + Oxidation (M)
✓	932	669.9500	2006.8282	2006.9884	-0.1602	1	10	3.5e+002	1	FDAFVKHIASMLGLVDGER + Oxidation (M)
✓	963	685.3200	2052.9382	2051.0297	1.9085	1	10	3.7e+002	1	DAHGDPSFQVGGAVARVAAAR
✓	1106	601.0500	2400.1709	2400.2729	-0.1021	2	10	3.5e+002	1	VACGAASVPLIRVTNLARTMR + Oxidation (M)
✓	470	661.8800	1321.7454	1319.6400	2.1055	0	10	4.5e+002	1	CGAAPIAAMMTVK
✓	1203	540.1600	3234.9163	3235.6291	-0.7127	2	10	2e+002	1	ELMKLGVEIGADVPCYCLMRGTALAEIGIGEK + Oxidation (M)
✓	981	700.8600	2099.5582	2100.2632	-0.7051	0	10	2.9e+002	1	VQGIIMIGLAFTLTILGILLLV + Oxidation (M)
✓	343	558.5100	1115.0054	1115.5935	-0.5880	1	10	1.1e+003	1	AIGKEAGGAAGSK
✓	721	918.0100	3668.0109	3667.8259	0.1850	2	10	8.5e+002	1	EMAVIEAQMERIPSLRHETDTILPEEMNKLK + 2 Oxidation (M)
✓	1058	751.7800	2252.3182	2253.1113	-0.7931	1	10	3.4e+002	1	LHHNLGNVFMALRSWDEAK + Oxidation (M)
✓	1076	569.6600	2274.6109	2275.1808	-0.5699	1	10	2.8e+002	1	LLAYRPDGDIDISSGIETDGRK
✓	420	418.2000	1251.5782	1252.6095	-1.0313	2	10	4.5e+002	1	HQKMHSGEKR + Oxidation (M)
✓	185	431.3800	860.7454	859.4803	1.2651	0	10	4.6e+002	1	FAGDILPK
✓	871	980.9600	1959.9054	1960.0391	-0.1337	2	10	8e+002	1	AEYTVRNHRTGALFLR
✓	1049	748.0000	2240.9782	2240.2351	0.7431	1	10	3.5e+002	1	MRLVILGSGVGVATAYYLSR + Oxidation (M)
✓	1021	1092.6200	4366.4509	4364.3567	2.0941	2	10	7.2e+002	1	GSKLWIIMETLAGGSVLDMKPGPFDEGYIAILIRELLK + Oxidation (M)
✓	1000	537.6900	2146.7309	2147.2790	-0.5481	2	10	3e+002	1	VELQIAIETLLRRLPDLR
✓	704	607.5400	1819.5982	1820.1611	-0.5629	2	10	3.3e+002	1	IGLVIVKISLRLPLAK
✓	559	516.0000	1544.9782	1543.7994	1.1787	0	10	4.5e+002	1	DAGLYLVNAAAPDVIR
✓	415	620.7800	1239.5454	1237.6376	1.9078	0	10	4.6e+002	1	FVMSASTPISK
✓	1080	762.4200	2284.2382	2282.2490	1.9891	0	10	3.7e+002	1	HLTLVGQAMGSMMLLTIEALLR + Oxidation (M)
✓	399	605.9400	1209.8654	1207.6785	2.1869	1	10	3.7e+002	1	ALRGPAGLGPGR
✓	468	660.6700	1319.3254	1317.7075	1.6180	2	10	3.9e+002	1	KRIDMGVEQVK + Oxidation (M)
✓	186	431.3900	860.7654	859.4552	1.3102	0	10	4.7e+002	1	DVAPGVFR
✓	454	650.6300	1299.2454	1299.6493	-0.4038	2	10	3.8e+002	1	KLMGEGSGYSKK + Oxidation (M)
✓	603	564.6100	1690.8082	1690.8023	0.0059	2	10	4.6e+002	1	DPDFNQSNNGTKRQK
✓	1090	773.7100	2318.1082	2316.2876	1.8206	1	10	3.8e+002	1	TVALCVGTAVAFGIGIGLKEGVGK
✓	325	534.2800	1066.5454	1065.5753	0.9701	2	10	4.5e+002	1	ARAFAKQMK + Oxidation (M)
✓	593	831.8600	1661.7054	1659.7199	1.9856	0	10	9.6e+002	1	WHDTMAVSDPTAEGK + Oxidation (M)
✓	463	658.1700	1314.3254	1312.6169	1.7086	1	10	4e+002	1	GYWTRCMAIR
✓	1093	1164.4600	3490.3582	3488.7137	1.6445	1	10	5.9e+002	1	YKPTMQEYMKVALLSSGYMMMTINSLAVIK + 3 Oxidation (M)
✓	1114	612.1700	2444.6509	2445.1846	-0.5337	0	10	2.8e+002	1	VPLPSPDTPAGPQLPADPCSQSSK
✓	126	376.8100	751.6054	750.3404	1.2650	0	10	3.6e+002	1	MQPMTK + Oxidation (M)
✓	788	628.9800	1883.9182	1884.0033	-0.0851	2	10	4.4e+002	1	LEEIPYINKFKTVEK
✓	1135	848.0500	2541.1282	2542.2896	-1.1615	0	10	3.3e+002	1	NVQIQEYVIGVPVPHYFYFSK
✓	632	582.8800	1745.6182	1745.8011	-0.1829	1	10	3.7e+002	1	ACGKEMVNHVIDAMR + Oxidation (M)
✓	1187	586.6900	2928.4136	2928.5789	-0.1653	2	10	3.1e+002	1	VAIAVLGENMVRSTAPLVPAPHMSER + Oxidation (M)
✓	1119	614.9100	2455.6109	2454.1294	1.4815	1	10	2.8e+002	1	NLPNDLLDAMDKYVDSMELK + Oxidation (M)
✓	764	623.9900	1868.9482	1868.9857	-0.0375	2	10	4.4e+002	1	WTGIPVTRLQNDKER
✓	292	515.0000	1027.9854	1026.4618	1.5236	0	10	4.2e+002	1	SSDSFTDLR
✓	1070	757.2600	2268.7582	2268.2511	0.5070	0	10	3e+002	1	VAILTAGGLAPCLSSAIGSLIER
✓	991	712.6200	2134.8382	2135.1184	-0.2802	1	10	3.4e+002	1	DSYKIVLPFTPSNALLMEK + Oxidation (M)
✓	841	969.2700	2904.7882	2905.3591	-0.5710	0	10	7.7e+002	1	GDQGTGPAGQNLHGPPGPGTGVGPEGPSGK
✓	561	780.3000	2337.8782	2337.0841	0.7941	2	10	9.7e+002	1	ARLYDKMQSEHMEELSQR + Oxidation (M)
✓	316	530.3100	1058.6054	1059.4945	-0.8891	0	10	6.1e+002	1	GANSLVGDGDR
✓	330	544.0800	1086.1454	1086.6186	-0.4731	0	10	4.5e+002	1	QKPLFEVAR
✓	1009	1082.7400	2163.4654	2162.2059	1.2596	2	10	6.8e+002	1	RGDVVILRSPENPEELLVK
✓	91	329.9800	657.9454	656.2952	1.6503	0	10	5.8e+002	1	MSVHAP + Oxidation (M)
✓	445	644.1900	1286.3654	1286.8074	-0.4420	1	10	4.3e+002	1	SLFLIANRLK
✓	1078	761.6800	2282.0182	2281.0793	0.9389	0	10	3.8e+002	1	ATGGTPTIMNGEYMVDCSLIPK + Oxidation (M)
✓	585	549.5100	1645.5082	1644.9345	0.5737	2	10	3.9e+002	1	LRATGTDKLVGLVMR + Oxidation (M)
✓	1201	645.0200	3220.0636	3220.5645	-0.5009	1	10	2.2e+002	1	LIEYMDVGNRNQWTLQVLPAAQMVER + 2 Oxidation (M)
✓	1103	794.0900	2379.2482	2378.3110	0.9371	0	10	3.9e+002	1	LPGLIAHQEVIFGAPGQVYTLR
✓	179	424.4800	846.9454	846.4130	0.5324	1	10	5.1e+002	1	KGVCNNR
✓	70	603.5200	602.5127	602.3136	0.1991	0	10	9.1e+002	1	ASAAQR
✓	474	662.5400	1323.0654	1322.6579	0.4076	1	10	3.8e+002	1	IFSTSNNGQERK
✓	379	587.3400	1172.6654	1170.5927	2.0727	0	10	6e+002	1	ARPELANMR
✓	131	379.1600	756.3054	756.4031	-0.0976	0	10	5.4e+002	1	AHLNFR
✓	589	553.3900	1657.1482	1655.7977	1.3504	0	10	4e+002	1	IPVSPSEGIEGHCFK
✓	555	770.8100	1539.6054	1538.7334	0.8721	1	10	4.5e+002	1	DGYPVGMVTLRR + Oxidation (M)
✓	1100	786.2900	2355.8482	2356.2710	-0.4229	1	10	3.2e+002	1	TILTKSERPELTSAQNVVTGGR
✓	582	817.3200	3265.2509	3264.8122	0.4387	2	10	9.8e+002	1	QSKALGTWVIQGIPIEVVDPAYNKVIADLK
✓	1154	872.4200	2614.2382	2612.1516	2.0865	1	10	3.7e+002	1	DGAASKQVSQSDTEGDPMLNMLMR + 2 Oxidation (M)
✓	486	673.1200	1344.2254	1342.6160	1.6094	2	10	4.4e+002	1	NDDHMDLRRR + Oxidation (M)
✓	641	882.1400	2643.3982	2643.2468	0.1514	0	10	9.7e+002	1	AYPAMFVGTGLWDSQVQYWEPAK
✓	530	744.8400	1487.6654	1488.7361	-1.0707	0	10	5.5e+002	1	ALYTLPEGFDAHR
✓	441	640.5600	2558.2109	2559.4034	-1.1925	2	10	1.2e+003	1	RAPALLLQSRASEVFGVDIHPGAR
✓	688	909.8700	1817.7254	1817.8730	-0.1476	1	10	4.3e+002	1	SPSWTEGVSSPAAQRMK
✓	922	1000.5500	2998.6282	2997.4034	1.2248	2	10	9.6e+002	1	MLELYEKDSNKLEDQIMHWQLMR + 3 Oxidation (M)
✓	1205	678.1900	3385.9136	3386.7517	-0.8381	0	10	2.4e+002	1	HQHQLNTQIESLPMQVGVVGLIHAQIHSK + Oxidation (M)
✓	287	512.5900	1023.1654	1022.4339	0.7316	1	9	4e+002	1	DENGDKMSK
✓	77	620.3900	619.3827	618.3449	1.0378	1	9	7.1e+002	1	ATGKSR
✓	405	612.7600	1223.5054	1221.5917	1.9137	0	9	5e+002	1	AISYYDYSLK
✓	654	895.9200	3579.6509	3580.8454	-1.1945	2	9	1.1e+003	1	LGQVAQLRAAMTGGATSPGIDATLAALGRDEVMAR + Oxidation (M)
✓	1048	747.5500	2239.6282	2240.0532	-0.4250	2	9	3.3e+002	1	IYLRVDVKFMSAEGNDPDR
✓	729	918.9600	3671.8109	3672.9185	-1.1076	2	9	1e+003	1	LASILAKLMLNPAPSPDAPREAVVFPVPDQDHEA + Oxidation (M)
✓	736	614.7600	1841.2582	1841.9444	-0.6862	2	9	3.8e+002	1	LSAYKTIGSMEEKIEK + Oxidation (M)
✓	1165	685.0200	2736.0509	2736.3310	-0.2801	2	9	2.9e+002	1	QIGALKKGEDTSAVMAEVSGIGDEMK + Oxidation (M)

✓	724	612.7600	1835.2582	1835.8459	-0.5877	0	9	3.8e+002	1	SIMGGLLVQPTDDSEEK
✓	188	865.0100	864.0027	863.4753	0.5275	0	9	4.8e+002	1	YDLVAVGK
✓	90	329.9700	657.9254	656.3129	1.6125	0	9	6.3e+002	1	LTHAES
✓	521	485.7200	1454.1382	1454.7882	-0.6500	1	9	4.1e+002	1	AEEELGVFVGPKFGR
✓	929	1002.5200	3004.5382	3003.4542	1.0840	1	9	1e+003	1	VSLVELLMNVCHSLTNNESLPERNR + Oxidation (M)
✓	817	639.2500	1914.7282	1914.8501	-0.1219	1	9	4e+002	1	MAGVTGGMQMPGPKMPF + 2 Oxidation (M)
✓	797	631.6100	1891.8082	1892.9084	-1.1003	1	9	4.7e+002	1	SCKGVSVDAAECTALGLR
✓	1098	782.6600	2344.9582	2345.1006	-0.1424	2	9	3.7e+002	1	AAYFQKAEYGYMARMAK + 2 Oxidation (M)
✓	653	358.0600	1785.2636	1783.8267	1.4370	0	9	4e+002	1	AIGVSQMAAMLSGEMTR + 2 Oxidation (M)
✓	1210	712.4000	3556.9636	3554.7641	2.1995	1	9	2.4e+002	1	QQAYVDGAWVDADNGQTIKVNPNATGEIIGSVPK
✓	624	579.3500	1735.0282	1734.8611	0.1671	1	9	5.1e+002	1	MAGWGESAGKALDSIVK + Oxidation (M)
✓	972	689.6700	2065.9882	2066.0354	-0.0472	1	9	4.8e+002	1	DMFETSKTTIVPIGGGER + Oxidation (M)
✓	495	681.1200	1360.2254	1358.5772	1.6482	0	9	4.6e+002	1	EEMGEHQQLSV + Oxidation (M)
✓	1215	911.6400	3642.5309	3641.7936	0.7373	2	9	2.1e+002	1	ELMLEEIRSNLADTHIHFDHYVSEKSLYPR
✓	373	583.0400	1164.0654	1163.6550	0.4104	1	9	4.5e+002	1	GTKLAVEATFK
✓	1097	780.4400	2338.2982	2336.1873	2.1109	2	9	4.3e+002	1	LHVGSDRLAGSKYSLVDYNR
✓	802	633.2700	1896.7882	1894.9029	1.8852	1	9	4.5e+002	1	CISMHGITERYLSGQK + Oxidation (M)
✓	1198	520.1700	3114.9763	3114.5179	0.4585	2	9	2.5e+002	1	LSAYAKIQEIEVPDEKAPEHLSTEDMR + Oxidation (M)
✓	300	347.9400	1040.7982	1039.5563	1.2419	1	9	4.6e+002	1	LRDWTTPR
✓	1175	933.5700	2797.6882	2798.4414	-0.7532	2	9	3.1e+002	1	MAMMNLAIVSLTSEIVTTLPKAK + 4 Oxidation (M)
✓	500	688.9000	1375.7854	1373.7779	2.0075	0	9	6.2e+002	1	ALQHDLVVPNIR
✓	196	440.8300	879.6454	877.4909	2.1545	0	9	5.3e+002	1	GIYLSSTPK
✓	102	346.2000	690.3854	691.2959	-0.9105	0	9	8e+002	1	DGTMPR + Oxidation (M)
✓	348	563.7300	1125.4454	1126.5843	-1.1389	1	9	5.2e+002	1	GIDGSNRVPGR
✓	514	710.6900	1419.3654	1417.6040	1.7615	0	9	4.6e+002	1	MFETCEAIVMR + 2 Oxidation (M)
✓	1005	719.9300	2156.7682	2156.9896	-0.2214	0	9	3.8e+002	1	MDEEGAPLSEGVQVDPDVR + Oxidation (M)
✓	272	503.5100	1005.0054	1005.4549	-0.4495	1	9	5.5e+002	1	KEVCEDAR
✓	1025	1105.5800	3313.7182	3313.5345	0.1837	1	9	9.6e+002	1	DNMYFTKIDEADYAVKPMNCPGSILVYK + 2 Oxidation (M)
✓	426	631.2100	1260.4054	1260.7224	-0.3169	2	9	5.3e+002	1	ALMEAVLKSR + Oxidation (M)
✓	534	750.9000	1499.7854	1497.7674	2.0180	0	9	6e+002	1	EAAEELIEQLTPR
✓	1191	750.5200	2998.0509	2998.3751	-0.3242	1	9	2.8e+002	1	FAPGRMPPGAMAPGMPGAPFPFPDP + 3 Oxidation (M)
✓	221	308.2700	921.7882	922.4364	-0.6483	0	9	4.8e+002	1	VQMIMNR + 2 Oxidation (M)
✓	513	472.4300	1414.2682	1412.6911	1.5771	1	9	4.8e+002	1	ITSMHFYGMWK + Oxidation (M)
✓	1013	725.2400	2172.6982	2172.9447	-0.2465	2	9	3.8e+002	1	KAAEASAKFSDSDSDWSK
✓	504	464.1400	1389.3982	1389.7259	-0.3277	2	9	4.9e+002	1	SSGGMRGRALAVR + Oxidation (M)
✓	548	762.8400	1523.6654	1523.7355	-0.0701	0	9	5.6e+002	1	DSFDIVLESVDASK
✓	1145	645.5300	2578.0909	2578.0435	0.0474	0	9	3.7e+002	1	IAENQEPDEPMPGGEESDASAAMR
✓	842	646.9400	1937.7982	1936.0266	1.7716	2	9	4.7e+002	1	EGVIDFTSGSDLRVVSK
✓	254	494.9000	987.7854	988.5077	-0.7222	0	9	6.5e+002	1	IEGLTAEK
✓	116	359.1600	716.3054	716.3929	-0.0875	1	9	9.7e+002	1	DRTGIR
✓	592	831.4300	3321.6909	3320.6711	1.0198	0	9	1.4e+003	1	LGSYFGAAVCAADLNGDGLDLLVGAPIQSTIR
✓	826	640.9300	1919.7682	1920.0177	-0.2495	2	9	4.8e+002	1	HQGESAKVTCLKLPQDNR
✓	79	621.7400	620.7327	621.3486	-0.6159	0	9	5.3e+002	1	VGVTYK
✓	811	635.9000	1904.6782	1902.9040	1.7741	0	9	4.4e+002	1	VGDCNAMVVAGVGVANGAIR + Oxidation (M)
✓	1226	776.3700	4652.1763	4650.2884	1.8879	2	9	1.7e+002	1	TSRLFTLLVLVLAMNVMAISDPVVEAVGCEECFMHCKGK + 2 Oxidation (M)
✓	375	584.4100	1166.8054	1166.4840	0.3215	0	9	5.3e+002	1	ATDADEGEFGR
✓	584	821.8600	1641.7054	1642.8638	-1.1584	1	9	1.3e+003	1	GLRVVAAEITDGGETR
✓	1218	781.6600	3903.2636	3904.0550	-0.7914	0	9	2.1e+002	1	IIQVLGPVVDVEFESYLPALFEALDINFEVNGVQK
✓	1065	1132.6500	4526.5709	4525.3917	1.1792	2	9	5.9e+002	1	KYTFGIAENESLVGIVTGLAYTETGGDILMIESVLIPKGKGIK
✓	1156	660.5800	2638.2909	2638.3862	-0.0953	1	9	4.6e+002	1	AAMYLGLIDTLEYRLPLCKPSK + Oxidation (M)
✓	1172	559.4400	2792.1636	2793.2374	-1.0738	0	9	3.7e+002	1	GENRPFVCFSSNETSIDTYMQFAK + Oxidation (M)
✓	1208	694.6900	3468.4136	3466.5630	1.8506	1	9	2.6e+002	1	QEAESQPCTSTLPREVGGHGCTSPFPQEAR
✓	1084	765.3000	2292.8782	2291.0793	1.7989	1	9	4.1e+002	1	LCIRWDEEYPNYGIAQHK
✓	144	390.5100	779.0054	777.3075	1.6979	0	9	5.4e+002	1	EMNGDGR
✓	777	938.6500	2812.9282	2811.5429	1.3853	1	9	1e+003	1	GTAILAFGTPLAALAVGERIGATVANMR
✓	1221	808.9800	4039.8636	4039.9666	-0.1030	2	9	2.3e+002	1	EEDAQLLDLARELPNQWRTIADMMARPAQVCVER + Oxidation (M)
✓	256	495.8400	989.6654	990.5247	-0.8592	0	9	8.2e+002	1	EVHQTHIK
✓	1041	558.8200	2231.2509	2232.2010	-0.9501	1	9	5.3e+002	1	KNFLMIAVLAASPMVQDAK + Oxidation (M)
✓	473	662.2000	1322.3854	1321.5755	0.8100	0	9	5e+002	1	CADQVAVMEAGR + Oxidation (M)
✓	627	871.5800	3482.2909	3482.7246	-0.4337	2	9	1.1e+003	1	CSTNTAAIKDPSLINRASEHVGSGQACVIGIDAK
✓	683	906.2400	1810.4654	1809.8931	0.5723	1	9	1.1e+003	1	KDLADCVVGFSGSLTGGK
✓	240	477.6100	953.2054	952.4535	0.7519	1	9	4.4e+002	1	MSETVKDK + Oxidation (M)
✓	1192	751.9400	3003.7309	3004.5367	-0.8058	1	9	3.5e+002	1	HVVITSVTRDDLADGGAQHFDVNVQIK
✓	1214	911.4000	3641.5709	3641.8326	-0.2617	2	9	2.6e+002	1	GGVGGGGGKAPKPSFVSIVRPEEIHTEKEVTEK
✓	127	376.8600	751.7054	750.3330	1.3724	0	9	4.3e+002	1	QSDVMR + Oxidation (M)
✓	273	503.5500	1005.0854	1003.5815	1.5040	1	9	6.2e+002	1	IDNFLKVR
✓	488	450.6600	1348.9582	1348.6293	0.3289	1	9	5.6e+002	1	DKLPDSDSMLR + Oxidation (M)
✓	1188	593.3500	2961.7136	2962.5144	-0.8008	1	8	3.6e+002	1	ETGLGLAATPTGIALKMQIFGQDMSIDK
✓	283	510.6100	1019.2054	1017.5203	1.6852	1	8	6.3e+002	1	AAEISDTRR
✓	662	899.9400	1797.8654	1795.8166	2.0489	0	8	6.3e+002	1	GTIYYGFLPDADHGR
✓	1193	602.6600	3008.2636	3008.5852	-0.3216	2	8	3.5e+002	1	LKDLEEGIQALMQLEDGSPRVGQILK
✓	758	620.8200	1859.4382	1858.0789	1.3593	1	8	4.9e+002	1	PGITATSLHVAPGARLAVK
✓	835	966.6400	2896.8982	2895.4623	1.4359	1	8	1e+003	1	LDIDQWHLGLSGGSPEELMAKAMILR + Oxidation (M)
✓	328	541.5500	1081.0854	1080.6404	0.4451	1	8	4.9e+002	1	LSGVVKSVRH
✓	1072	758.0100	2271.0082	2269.0763	1.9318	1	8	5.3e+002	1	YREDGSENPDFVLNKPAYR
✓	148	392.9200	783.8254	783.4239	0.4015	0	8	4.5e+002	1	SPGGTPIR
✓	1158	664.7800	2655.0909	2654.1346	0.9563	2	8	4.1e+002	1	YSCGGGCGACTVMISRYNPESKK + Oxidation (M)
✓	288	513.0400	1024.0654	1024.6505	-0.5851	1	8	5e+002	1	VAAIGIRVAR
✓	394	602.1400	1202.2654	1202.5639	-0.2985	1	8	6.3e+002	1	EEAQRSQER
✓	493	680.7500	1359.4854	1358.7378	0.7476	2	8	6.5e+002	1	AKISGQNSSVRGR
✓	678	603.0700	1806.1882	1806.9992	-0.8111	0	8	5.3e+002	1	LLWQTSAVIQGLVDHK

✓	1122	619.8300	2475.2909	2474.2588	1.0321	1	8	5.5e+002	1	EVTHGTTGLDLFREKPTTAVMR + Oxidation (M)
✓	743	462.3200	1845.2509	1845.8969	-0.6460	1	8	5.1e+002	1	TLEEAIKSDTSGHFQR
✓	297	520.4800	1038.9454	1039.5186	-0.5731	0	8	5e+002	1	YASSTASALVA
✓	352	566.0500	1130.0854	1128.6186	1.4669	2	8	6.4e+002	1	DPLAVRRMR + Oxidation (M)
✓	606	567.1000	1698.2782	1698.8424	-0.5643	1	8	5.2e+002	1	KQAQDQPTSETPTLK
✓	1206	850.8600	3399.4109	3400.5446	-1.1337	2	8	3e+002	1	SKDLNSCEEKVQVVTGSAYTQPCQTQQR
✓	227	468.7900	935.5654	936.4811	-0.9156	2	8	8.1e+002	1	MNASSKKR + Oxidation (M)
✓	477	665.6300	1329.2454	1328.7048	0.5406	1	8	6e+002	1	VEILNGEQRGSK
✓	1168	555.1100	2770.5136	2770.3306	0.1830	0	8	4.8e+002	1	GWDILGAVIGTECGTLESGSSMVFLR + Oxidation (M)
✓	189	435.7400	869.4654	867.5542	1.9113	0	8	7.2e+002	1	LSPLAVLR
✓	1066	756.0400	2265.0982	2265.1140	-0.0158	0	8	6e+002	1	WTPDVYAGAPAPMATFLATAAK + Oxidation (M)
✓	237	476.3500	950.6854	951.4774	-0.7919	0	8	7e+002	1	ASAPADPPR
✓	633	582.9100	1745.7082	1746.8280	-1.1199	2	8	6.5e+002	1	KYAQQTSMKDGVMVK + 2 Oxidation (M)
✓	1143	643.2500	2568.9709	2569.3111	-0.3402	2	8	4.3e+002	1	DLKVVMDLVVNHTSTEHKWFR + Oxidation (M)
✓	122	370.9300	739.8454	740.3891	-0.5436	1	8	3.8e+002	1	VMKGYK + Oxidation (M)
✓	418	625.8900	1249.7654	1249.6094	0.1561	1	8	7.8e+002	1	MMPGRMVGVT + Oxidation (M)
✓	839	967.7100	2900.1082	2900.5582	-0.4500	2	8	1.2e+003	1	EPARTVSTPAFMPPAPVSKPLPPPTR
✓	1127	829.5000	2485.4782	2484.2755	1.2027	2	8	4.9e+002	1	NHSGGAGTGAIMGSKNLKAI AVEGTK + Oxidation (M)
✓	427	633.1500	1264.2854	1264.6313	-0.3458	1	8	5.9e+002	1	RNPFAADTFR
✓	47	554.8200	553.8127	554.3176	-0.5049	0	8	3.4e+002	1	PVPSR
✓	821	640.2300	1917.6682	1916.0149	1.6533	1	8	5.3e+002	1	IIIQRDSEQQMISIAR + Oxidation (M)
✓	431	636.0800	1905.2182	1904.8761	0.3421	1	8	1.8e+003	1	NMPWDDVKDCVEIIR + Oxidation (M)
✓	745	462.5800	1846.2909	1844.9857	1.3052	2	8	5.5e+002	1	NFLAGSKDNVIRQLDR
✓	936	1005.0800	3012.2182	3011.4772	0.7409	2	8	1.3e+003	1	TMDIGGDKELPYLDLPKEMNPFGLFR + Oxidation (M)
✓	340	555.8900	1109.7654	1107.5747	2.1908	0	8	6.4e+002	1	VFVLEAQM + Oxidation (M)
✓	789	943.0500	2826.1282	2825.5386	0.5896	0	8	1.4e+003	1	SGSLSIDTQIIQQLIPGLTSGASLDIAK
✓	1220	802.1300	4005.6136	4005.1114	0.5022	1	8	2.3e+002	1	GVFLDRFEGALVPESGVEVLLPYLDPLMLSHFLR
✓	459	654.2600	1306.5054	1304.6837	1.8218	2	8	7.4e+002	1	HKDHAAEIEKK
✓	467	660.2500	1318.4854	1318.6629	-0.1775	1	8	7.6e+002	1	GDAFEIVAGERR
✓	1183	725.2200	2896.8509	2896.2796	0.5712	0	8	3.9e+002	1	TFAGQASDDETCYHAGVPFHEGMK + Oxidation (M)
✓	109	351.2700	700.5254	701.3820	-0.8566	1	8	1.1e+003	1	TSKGGPR
✓	319	531.8500	1061.6854	1059.5747	2.1108	0	8	9.2e+002	1	ELVLGLGMGR + Oxidation (M)
✓	524	736.6100	1471.2054	1470.7565	0.4489	0	8	6.3e+002	1	LPDLNATSI EAAEK
✓	860	973.5000	1944.9854	1943.0146	1.9708	0	8	7.2e+002	1	TSLGNPMSVSAAISQNLVK
✓	487	674.3100	1346.6054	1345.7452	0.8602	2	8	8.7e+002	1	SAKLEEKTAELK
✓	1184	580.4800	2897.3636	2896.3120	1.0516	0	8	5e+002	1	VCVFGDQHHLDEAAAGNIPAMSADDLK + Oxidation (M)
✓	1224	756.8100	4534.8163	4535.2650	-0.4486	1	8	1.8e+002	1	MAAAATAVPGAGSAGVAGPGGAGPCATVSVPFGARLLTIGDANGEI
✓	791	630.7200	1889.1382	1886.9408	2.1974	2	8	6.9e+002	1	ETSSCVREYKSILTSK
✓	401	607.0400	1212.0654	1212.6172	-0.5518	0	8	6.3e+002	1	MPPAEALEALR + Oxidation (M)
✓	152	395.5400	789.0654	787.4916	1.5739	2	8	9.2e+002	1	GIKKAGSK
✓	985	708.3100	2121.9082	2122.0663	-0.1582	2	8	6.5e+002	1	KMGNGMADFVVNGELTGVRK
✓	416	621.3700	1240.7254	1238.6843	2.0411	2	7	8.8e+002	1	EKASRPGRNPK
✓	1211	906.4000	3621.5709	3619.8516	1.7193	2	7	3.4e+002	1	SPTTDRIAVVGSISGLTAAIMLRDAGVDVDVYER + Oxidation
✓	155	397.8500	793.6854	792.3436	1.3419	0	7	6.6e+002	1	DGLEMR + Oxidation (M)
✓	845	970.7600	2909.2582	2909.5936	-0.3354	1	7	1.4e+003	1	KDHILNVVNIVPLTFMALVPPEVEK + Oxidation (M)
✓	37	528.3200	527.3127	526.2136	1.0991	0	7	5.6e+002	1	AQGHD
✓	496	683.3200	1364.6254	1362.7507	1.8748	1	7	8.6e+002	1	YQKLQAPTLSSK
✓	510	707.6700	1413.3254	1411.7684	1.5570	2	7	6.8e+002	1	GKIGTHSGRFPQK
✓	620	862.6400	1723.2654	1721.9386	1.3269	2	7	6.1e+002	1	MKENLTNLFEKVIK + Oxidation (M)
✓	133	379.1700	756.3254	754.3167	2.0087	1	7	9.2e+002	1	EKMSGTS + Oxidation (M)
✓	567	787.9700	1573.9254	1573.8087	0.1168	0	7	8.7e+002	1	VELTIEVEAEVSK
✓	1120	615.4100	2457.6109	2455.4099	2.2010	1	7	5.1e+002	1	MILFYFVVLALVSGAMVIRAK + Oxidation (M)
✓	1195	607.9600	3034.7636	3033.5739	1.1897	2	7	4.4e+002	1	RRINMGLMQAGVTIIDPETTYIDATVR
✓	211	454.4400	906.8654	905.5222	1.3432	1	7	7.4e+002	1	ELSIKVAF
✓	51	561.3100	560.3027	559.2966	1.0062	0	7	1.5e+003	1	GGLEK
✓	371	580.4300	1158.8454	1157.6153	1.2302	1	7	9e+002	1	GDVRGSVEALR
✓	235	948.1500	947.1427	945.4628	1.6799	0	7	8.5e+002	1	NSGTLOQNR
✓	977	696.0600	2085.1582	2083.9673	1.1909	1	7	7.5e+002	1	MEGEGFARSSINPFLPGE
✓	434	637.2300	1272.4454	1272.6721	-0.2266	2	7	8.6e+002	1	GQKSRSGPGIMR
✓	672	900.1100	3596.4109	3595.8311	0.5798	2	7	1.6e+003	1	HDIPVYINEPKQFGSKAAYEQHLVTLNEDK
✓	364	577.4200	1152.8254	1151.6121	1.2133	1	7	7.2e+002	1	CRLQFLTSK
✓	1227	809.2000	4849.1563	4847.4310	1.7254	2	7	1.9e+002	1	RLVDGVVAGIAGYGNCGVPTVAGETNFHKGYNGNILVNAMCVGLAK
✓	95	677.9600	676.9527	676.3140	0.6387	0	7	8.9e+002	1	GAEASSR
✓	490	677.3300	1352.6454	1350.6714	1.9740	0	7	9.1e+002	1	CSVLAANSVFGGR
✓	1169	694.6900	2774.7309	2775.5080	-0.7771	1	7	4.9e+002	1	RALTIAIGGMVLPLIGAFAFSMHR
✓	596	559.1000	1674.2782	1672.8003	1.4778	1	7	6.9e+002	1	SETTATSTTTTKTDDK
✓	1225	762.2900	4567.6963	4567.1465	0.5498	1	7	2e+002	1	VTSLFTPVMMKTTMDLDTSLPVTTSPPSMNITSDESLSK + 4 C
✓	546	761.5900	1521.1654	1519.7567	1.4087	1	7	6.9e+002	1	MKWFAYLMSK + Oxidation (M)
✓	1092	776.3500	2326.0282	2326.1780	-0.1498	0	7	6.8e+002	1	SLNVSMEGQIHIAAWPIYPGK + Oxidation (M)
✓	88	642.7500	641.7427	641.3497	0.3931	0	7	5.9e+002	1	TSGIHK
✓	723	918.4200	1834.8254	1835.0741	-0.2486	1	7	8.4e+002	1	LTLPKAGQSSSLRPKPR
✓	869	979.1500	3912.5709	3912.1046	0.4663	2	7	1.5e+003	1	VMGLGLFLLVFMGLGLTPPTLAQDNSRYRDLTK + Oxidation
✓	605	850.0400	1698.0654	1696.9117	1.1538	1	7	7.8e+002	1	MHIAQGVMMKVINVNK + Oxidation (M)
✓	974	690.3600	2068.0582	2068.9499	-0.8917	1	7	8e+002	1	YVWHNAVMTSGEKM + Oxidation (M)
✓	1180	712.3200	2845.2509	2843.3577	1.8932	0	7	5.6e+002	1	LTAYELMQAGVDVTLICDNMASAVMK
✓	1199	783.0500	3128.1709	3127.6911	0.4798	1	7	4.2e+002	1	VSKSGIVAGGLLAGGIGAAIGLSSASSIQNEMVK + Oxidation (
✓	294	518.4600	1034.9054	1034.5846	0.3209	1	7	8e+002	1	HSLRNRPR
✓	1079	762.1700	2283.4882	2282.0523	1.4359	1	7	5.7e+002	1	RNNEGIGGEGVANSPPDDTQOK
✓	793	631.2400	1890.6982	1889.0258	1.6724	1	7	7e+002	1	NVGKLVSEETIYINGVAK
✓	642	883.8000	1765.5854	1763.8366	1.7488	1	7	6.8e+002	1	DEARTGSTYIFTEK
✓	677	903.2700	2706.7882	2707.3020	-0.5138	1	7	1.6e+003	1	TAGMTMVSKVGGASGPLYGTAFLNMSK + 2 Oxidation (M)

✓	151	788.1900	787.1827	785.5011	1.6817	1	7	1.1e+003	1	VEVAKIK
✓	970	689.3000	2064.8782	2065.0449	-0.1667	1	7	7.7e+002	1	MRQQASFLPATLTMTVDVR
✓	979	698.4500	2092.3282	2093.0827	-0.7545	1	7	6.7e+002	1	TTGEIEAGKPGVDIYRLMK + Oxidation (M)
✓	1167	690.3200	2757.2509	2756.2549	0.9960	1	7	6.4e+002	1	FCSASLEMPMWHYPKVDVTWTR + Oxidation (M)
✓	216	458.0700	914.1254	913.5345	0.5910	0	7	9.1e+002	1	AALVLNASR
✓	941	671.2700	2010.7882	2009.9510	0.8371	1	7	7.1e+002	1	IVDSMRAGADMSSVVEGVR + 2 Oxidation (M)
✓	86	639.9600	638.9527	637.2927	1.6600	0	7	4.7e+002	1	MASAMK
✓	583	820.5700	1639.1254	1637.9028	1.2226	1	7	7.4e+002	1	NELIAEYIFKLTGK
✓	365	578.8600	1155.7054	1155.6611	0.0443	1	7	1.1e+003	1	DANNALKALVK
✓	111	355.1700	708.3254	708.3919	-0.0664	0	7	9.3e+002	1	ATPAPPR
✓	1134	844.9900	2531.9482	2531.3101	0.6381	1	7	5.7e+002	1	HMHRSATIVGGALTADLIMSGK + Oxidation (M)
✓	519	724.7200	1447.4254	1447.7895	-0.3641	2	7	8e+002	1	ANDRTLAGRFLSK
✓	547	762.3200	1522.6254	1522.8692	-0.2437	2	7	9.1e+002	1	RTLPAVLRRQDQAR
✓	685	606.5400	1816.5982	1814.8543	1.7439	0	7	7.3e+002	1	VIYGGGSSEMAAMAVGLNK + 2 Oxidation (M)
✓	1147	646.2100	2580.8109	2580.3509	0.4600	2	7	5.4e+002	1	VLVEKFGIGGITNVEDDLKMFLGA + Oxidation (M)
✓	129	377.9000	753.7854	752.3566	1.4289	0	7	5.3e+002	1	QTHPDR
✓	708	910.9600	1819.9054	1819.0389	0.8665	2	7	9.5e+002	1	KIVSLEMGSLLAGAKFR
✓	1096	780.0200	2337.0382	2338.1376	-1.0994	0	7	7.6e+002	1	FTNSGTEANLMALTAALHFTGR + Oxidation (M)
✓	136	764.7400	763.7327	763.3422	0.3905	0	7	9.3e+002	1	GEIMGEL + Oxidation (M)
✓	967	688.2600	2061.7582	2061.0387	0.7195	1	7	6.9e+002	1	YPSMARISHMTIEAPITK + Oxidation (M)
✓	439	640.1400	1278.2654	1276.6524	1.6131	0	7	8.2e+002	1	DPDLHRPAAASK
✓	1095	584.8500	2335.3709	2334.1024	1.2685	0	6	7.6e+002	1	ETLM MA AALGTGPMADVFYAAFR + 2 Oxidation (M)
✓	1152	652.2900	2605.1309	2605.3547	-0.2238	1	6	6.9e+002	1	VHITGNSMGHSAVAFALANPSRVGK + Oxidation (M)
✓	296	520.4400	1038.8654	1039.6138	-0.7484	1	6	7.6e+002	1	EPILRSLSGR
✓	523	734.7700	1467.5254	1468.6703	-1.1449	2	6	8.8e+002	1	DMMGFWKRNRR
✓	241	477.8200	953.6254	952.4726	1.1528	0	6	9.5e+002	1	HPSTQVER
✓	234	472.1600	942.3054	940.5454	1.7601	2	6	1.1e+003	1	NSHKKVTK
✓	455	651.7700	1301.5254	1302.5986	-1.0732	1	6	1.2e+003	1	AKMNEHAGTSNK + Oxidation (M)
✓	554	769.7700	1537.5254	1538.6559	-1.1305	0	6	8.6e+002	1	EGVFGVCDDEVEGK
✓	746	462.5800	1846.2909	1847.1245	-0.8336	1	6	8e+002	1	VVPVTVIKAGPNVTVQVK
✓	345	560.5100	1119.0054	1117.4860	1.5194	0	6	1e+003	1	NNNNNNSTAR
✓	1222	719.9400	4313.5963	4313.2219	0.3744	2	6	3e+002	1	AVEITNFLAELKANAFEGELKENEILVTSDTIVWHQNK
✓	173	417.6100	833.2054	832.4477	0.7578	0	6	1.3e+003	1	LVADMIR + Oxidation (M)
✓	176	837.5700	836.5627	835.4626	1.1001	0	6	1.2e+003	1	CFAVVIK
✓	214	456.5900	911.1654	910.4733	0.6922	1	6	7.6e+002	1	IEGHGSRR
✓	220	459.6000	917.1854	917.4277	-0.2422	0	6	1.2e+003	1	LACDPNTK
✓	453	650.5100	1299.0054	1298.6329	0.3725	0	6	9.5e+002	1	GWLTMSSSLFNK + Oxidation (M)
✓	1161	889.5800	2665.7182	2664.2007	1.5175	0	6	6.3e+002	1	VSGMSVTMPDESQNESALLNSPSPR + 2 Oxidation (M)
✓	517	717.0200	1432.0254	1431.6870	0.3384	0	6	9.8e+002	1	AGMVWQGWGWR
✓	172	823.5500	822.5427	822.4157	0.1270	0	6	1.2e+003	1	TMTDVIK + Oxidation (M)
✓	392	598.5600	1195.1054	1195.7037	-0.5983	1	6	8.4e+002	1	LVPSPRSVSR
✓	141	774.4900	773.4827	772.4331	1.0497	0	6	1.8e+003	1	IIGETLQ
✓	229	469.3600	936.7054	936.5029	0.2026	0	6	9.8e+002	1	GLEAPPTPR
✓	617	858.5800	1715.1454	1714.9539	0.1916	0	6	9.5e+002	1	SLLTVLELALEMVER
✓	410	617.0700	1232.1254	1230.6503	1.4752	1	6	1e+003	1	VQIRGCAATQK
✓	276	505.1100	1008.2054	1006.4641	1.7414	0	6	9.4e+002	1	DAEIGIMDK + Oxidation (M)
✓	518	720.0000	1437.9854	1437.6122	0.3732	0	6	9.8e+002	1	EYNFMTVDEFK + Oxidation (M)
✓	1212	729.1100	3640.5136	3639.7768	0.7368	2	6	4.6e+002	1	QGPETGAMPASMSALGINGKKSM AE LLMSHPPLEK + 2 Oxidation (M)
✓	222	462.3600	922.7054	920.5192	2.1863	0	6	1e+003	1	LHQAPTVR
✓	164	804.1200	803.1127	802.3973	0.7154	0	6	1.4e+003	1	IGGENWK
✓	1182	720.6100	2878.4109	2878.3663	0.0446	2	6	8.5e+002	1	CLDSLADYPSIKFAKICSSVAGMSR + Oxidation (M)
✓	1207	573.7000	3436.1563	3436.6054	-0.4491	1	6	5.1e+002	1	AVTLSGPDGYIYDPEGITTECKINYM LE MR + 2 Oxidation (M)
✓	202	445.3400	888.6654	889.5233	-0.8578	1	6	1.7e+003	1	LQSKVSTK
✓	182	854.7500	853.7427	852.4202	1.3225	1	6	8.2e+002	1	GGRTSYR
✓	432	636.5100	1271.0054	1271.6366	-0.6311	1	6	1.1e+003	1	MKHMTPLGTEK
✓	499	687.7100	1373.4054	1373.7766	-0.3711	1	6	1.1e+003	1	IKQITTEDVSK
✓	145	390.5500	779.0854	778.3895	0.6960	1	5	1.1e+003	1	LKEDMK + Oxidation (M)
✓	396	603.6100	1205.2054	1204.6274	0.5780	0	5	1.1e+003	1	MLSVHVVGYGK + Oxidation (M)
✓	507	700.3000	1398.5854	1399.7533	-1.1679	0	5	1.4e+003	1	HLFIQMLQIE + Oxidation (M)
✓	408	614.8900	1227.7654	1226.5246	1.2408	0	5	1.5e+003	1	MQVPFGCNMK + Oxidation (M)
✓	681	604.0700	1809.1882	1809.9164	-0.7283	2	5	1e+003	1	VGTL LC GMRMFDRVR
✓	451	647.7200	1293.4254	1293.6533	-0.2279	1	5	1.1e+003	1	MVSLMESRLGR + Oxidation (M)
✓	611	857.3600	1712.7054	1712.9607	-0.2552	1	5	1.2e+003	1	SLENLIRLGACINLK
✓	239	477.5900	953.1654	953.4791	-0.3137	1	5	9.4e+002	1	GGDRGSHLR
✓	317	1060.7400	1059.7327	1058.5291	1.2036	1	5	1.7e+003	1	NAQMRPKTN
✓	56	577.6200	576.6127	575.2663	1.3464	1	5	1.3e+003	1	DSQRA
✓	1216	733.2200	3661.0636	3659.7388	1.3248	1	5	5.9e+002	1	DYHLFFAWSGLNSINEDRVAAASLMSGM IDS VK + Oxidation (M)
✓	236	475.1300	948.2454	946.4832	1.7622	1	5	1.4e+003	1	RGDIGNTSK
✓	246	486.4300	970.8454	970.5634	0.2821	0	5	1.4e+003	1	MTIVNILPR + Oxidation (M)
✓	515	712.7000	1423.3854	1421.6503	1.7351	1	5	1.1e+003	1	NAACGPMRSSSLR + Oxidation (M)
✓	573	796.3000	1590.5854	1589.0028	1.5826	2	5	1.2e+003	1	TVIVRAPKLVNVPA
✓	482	667.2900	1332.5654	1330.6517	1.9137	0	5	1.6e+003	1	IFQELNSEHSK
✓	115	715.9100	714.9027	715.4228	-0.5201	1	5	1.6e+003	1	AADKIAK
✓	230	471.3900	940.7654	941.4355	-0.6701	0	5	1.2e+003	1	DVDFGHPR
✓	444	643.2200	1284.4254	1282.6129	1.8126	0	5	1.4e+003	1	MAQVVFSSWGR + Oxidation (M)
✓	67	600.4200	599.4127	600.2867	-0.8740	0	5	1.6e+003	1	DVDPR
✓	105	693.4300	692.4227	693.3302	-0.9075	0	4	2e+003	1	MAGMLR + Oxidation (M)
✓	429	633.6200	1265.2254	1263.5587	1.6667	0	4	1.3e+003	1	GNAAQPAM ENT TK + Oxidation (M)
✓	204	449.0200	896.0254	895.4044	0.6210	0	4	1.1e+003	1	GWISMMR + Oxidation (M)
✓	464	658.2100	1314.4054	1313.5930	0.8124	0	4	1.5e+003	1	VAGDMAMVFMAR + Oxidation (M)
✓	522	732.4700	1462.9254	1462.7027	0.2227	0	4	1.7e+003	1	WFNGAMIGSEVPR

<input checked="" type="checkbox"/>	508	704.3200	1406.6254	1407.6816	-1.0562	0	4	1.9e+003	1	EILDSMHEGHIK
<input checked="" type="checkbox"/>	697	910.4800	1818.9454	1818.0040	0.9415	1	4	1.7e+003	1	WITVSGGQAIFIKEAIK
<input checked="" type="checkbox"/>	388	593.7700	1185.5254	1183.6019	1.9235	1	4	2.2e+003	1	TYRSQVTMAK
<input checked="" type="checkbox"/>	42	539.6700	538.6627	537.2435	1.4192	0	4	9e+002	1	IFGDS
<input checked="" type="checkbox"/>	93	671.5200	670.5127	670.3398	0.1729	0	4	1.6e+003	1	AGSPFSR
<input checked="" type="checkbox"/>	208	453.6000	905.1854	904.4225	0.7629	0	4	1.9e+003	1	TGGHFVCK
<input checked="" type="checkbox"/>	132	379.1700	756.3254	756.3766	-0.0512	0	4	2.1e+003	1	AHIDSSK
<input checked="" type="checkbox"/>	29	506.7000	505.6927	505.2020	0.4907	0	4	1.8e+003	1	DGVSE
<input checked="" type="checkbox"/>	74	615.4000	614.3927	613.3184	1.0744	0	3	2.9e+003	1	RPASPS
<input checked="" type="checkbox"/>	153	790.0900	789.0827	789.3439	-0.2612	0	3	2.4e+003	1	TEHMTTR + Oxidation (M)
<input checked="" type="checkbox"/>	560	774.6300	1547.2454	1545.7709	1.4746	0	3	1.8e+003	1	IETGDTLISHSMVK + Oxidation (M)
<input checked="" type="checkbox"/>	159	797.2300	796.2227	796.4555	-0.2328	2	3	1.7e+003	1	AKHVKTN
<input checked="" type="checkbox"/>	82	314.2000	626.3854	626.3612	0.0242	1	3	1.6e+003	1	ARGAPR
<input checked="" type="checkbox"/>	184	859.7700	858.7627	857.5195	1.2432	2	3	2.8e+003	1	RRKPSSK
<input checked="" type="checkbox"/>	49	559.8100	558.8027	557.2809	1.5218	0	3	3.5e+003	1	AVSQPG
<input checked="" type="checkbox"/>	166	809.2000	808.1927	808.4443	-0.2516	0	3	2.2e+003	1	GVYLTTR
<input checked="" type="checkbox"/>	130	755.5700	754.5627	753.3657	1.1970	0	3	1.8e+003	1	TSTGFNK
<input checked="" type="checkbox"/>	57	579.3100	578.3027	578.2734	0.0293	0	3	2.7e+003	1	QLSTM
<input checked="" type="checkbox"/>	54	568.9900	567.9827	568.3333	-0.3506	0	2	1.1e+003	1	IPSPR
<input checked="" type="checkbox"/>	87	641.7600	640.7527	641.3609	-0.6082	1	2	1.3e+003	1	KTTHR
<input checked="" type="checkbox"/>	97	680.0000	678.9927	679.3211	-0.3284	0	2	2.4e+003	1	GTIDMK + Oxidation (M)
<input checked="" type="checkbox"/>	112	711.5300	710.5227	708.4031	2.1196	0	2	2e+003	1	GVGHLAR
<input checked="" type="checkbox"/>	404	612.7400	1223.4654	1222.5686	0.8969	0	2	2.7e+003	1	EMLMTAABGVV + Oxidation (M)
<input checked="" type="checkbox"/>	78	621.4200	620.4127	621.3347	-0.9220	0	2	3.6e+003	1	GGHVPR
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<input checked="" type="checkbox"/>	92	661.6800	660.6727	659.3425	1.3303	1	2	3.8e+003	1	LMRSPG
<input checked="" type="checkbox"/>	108	700.3900	699.3827	699.3010	0.0817	0	1	3.9e+003	1	DGMHPK + Oxidation (M)
<input checked="" type="checkbox"/>	135	764.7200	763.7127	763.4010	0.3117	1	1	3.2e+003	1	CSTLRK
<input checked="" type="checkbox"/>	61	589.9900	588.9827	589.3071	-0.3244	0	1	5.5e+003	1	AVNVST
<input checked="" type="checkbox"/>	124	744.2900	743.2827	742.3181	0.9647	0	0	6.3e+003	1	DAGMGHR
<input checked="" type="checkbox"/>	198	881.6500	880.6427	881.4760	-0.8332	0	0	3.9e+003	1	GPHFTPVK
<input checked="" type="checkbox"/>	1	307.0400	306.0327							
<input checked="" type="checkbox"/>	2	333.6100	332.6027							
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<input checked="" type="checkbox"/>	4	357.8100	356.8027							
<input checked="" type="checkbox"/>	5	370.9600	369.9527							
<input checked="" type="checkbox"/>	6	376.0800	375.0727							
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<input checked="" type="checkbox"/>	9	384.6900	383.6827							
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<input checked="" type="checkbox"/>	12	391.6100	390.6027							
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<input checked="" type="checkbox"/>	58	580.9600	579.9527							
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<input checked="" type="checkbox"/>	64	594.2300	593.2227							
<input checked="" type="checkbox"/>	65	595.8200	594.8127							
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<input checked="" type="checkbox"/>	68	601.6700	600.6627							
<input checked="" type="checkbox"/>	69	603.0300	602.0227							
<input checked="" type="checkbox"/>	71	604.2500	603.2427							

<input checked="" type="checkbox"/>	72	611.4400	610.4327
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<input checked="" type="checkbox"/>	81	627.1200	626.1127
<input checked="" type="checkbox"/>	83	629.2100	628.2027
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<input checked="" type="checkbox"/>	99	681.9500	680.9427
<input checked="" type="checkbox"/>	101	687.7500	686.7427
<input checked="" type="checkbox"/>	103	691.6300	690.6227
<input checked="" type="checkbox"/>	107	694.6000	693.5927
<input checked="" type="checkbox"/>	113	712.3400	711.3327
<input checked="" type="checkbox"/>	114	713.5500	712.5427
<input checked="" type="checkbox"/>	117	722.6800	721.6727
<input checked="" type="checkbox"/>	118	729.6200	728.6127
<input checked="" type="checkbox"/>	123	743.0600	742.0527
<input checked="" type="checkbox"/>	134	761.5800	760.5727
<input checked="" type="checkbox"/>	137	767.6400	766.6327
<input checked="" type="checkbox"/>	143	776.1400	775.1327
<input checked="" type="checkbox"/>	147	782.2400	781.2327
<input checked="" type="checkbox"/>	149	787.0100	786.0027
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<input checked="" type="checkbox"/>	160	801.3400	800.3327
<input checked="" type="checkbox"/>	161	803.5900	802.5827
<input checked="" type="checkbox"/>	165	809.1700	808.1627
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<input checked="" type="checkbox"/>	242	957.6000	956.5927
<input checked="" type="checkbox"/>	315	1057.3000	1056.2927
<input checked="" type="checkbox"/>	449	645.5600	1289.1054

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 ($\# \text{ } ^{13}\text{C} = 1$)
 Fragment Mass Tolerance : ± 0.5 Da
 Max Missed Cleavages : 2
 Instrument type : ESI-TRAP
 Number of queries : 1227

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