

MATRIX SCIENCE Mascot Search Results

Protein View

Match to: **Plasmodium falciparum_3D7|MAL12|PFL1720w|Pf** Score: **191**
 Annotation|**Plasmodium falciparum_Stanford|(protein coding) Serine hydroxymethyltransferase**
 Found in search of C:\Documents and Settings\Mjffsnjn\Desktop\Niro 7-10 inclusion_LCA_1-E,2_01_6989.d\Analysis.mgf

Nominal mass (M_r): **49749**; Calculated pI value: **8.29**
 NCBI BLAST search of **Plasmodium falciparum_3D7|MAL12|PFL1720w|Pf** against nr
 Unformatted [sequence string](#) for pasting into other applications

Variable modifications: Carbamidomethyl (C),Oxidation (M),Heavy IsoLeu
 Cleavage by Trypsin: cuts C-term side of KR unless next residue is P
 Sequence Coverage: **19%**

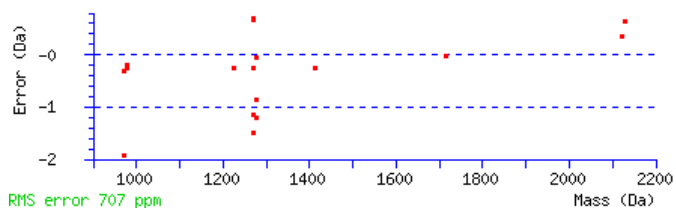
Matched peptides shown in **Bold Red**

1 MFNNDPLQKY **DKELFDLLEK** EKNRQIETIN LIAENLNT AVRECLGDRI
 51 SNK**YSEGYPH** KRYYGGNDYV DKIEELCYKR ALEAFNVSEE EWGVNVQPLS
 101 GSAANVQALY ALVGVGKIM GMHLCSGGHL THGFFDEKKK **VSITSDLFES**
 151 **KLYKCNSEGY** VDMESVRNLA LSFQPKVIIC GYTSYPRDID YKGFREICDE
 201 VNAYLFADIS HISSFVACNL LNNPFTYADV VTTTHKILR GPRALIFFN
 251 KKRNPIDQK INSSVFPSPQ GGPHNNK**IAA VACQLK**EVNT PPFKEYTKQV
 301 LLNSKALAEK LLKR**NLDLVT** **NGTDNHLIVV** **DLR**KYNIITGS KLQETCNAIN
 351 IALNK**NTIPS** **DVDCVSPSGI** RIGTPALTTR GCKEKDMEFI ADMLLK**AILL**
 401 **TDELQQK**YGK KLVDFKKGLV NNPKIDELKK EVVQWAKNLP FA

Show predicted peptides also

Sort Peptides By Residue Number Increasing Mass Decreasing Mass

Start - End	Observed	Mr (expt)	Mr (calc)	Delta	Miss	Sequence
10 - 20	706.74	1411.46	1411.72	-0.27	1	K.YDKELFDLLEK.E (Ions score 42)
54 - 61	490.60	979.19	979.44	-0.25	0	K.YSEGYPHK.R (Ions score 33)
141 - 151	613.19	1224.36	1224.62	-0.26	0	K.VSITSDLFESK.L (Ions score 36)
278 - 286	486.32	970.62	972.54	-1.92	0	K.IAAVACQLK.E Carbamidomethyl (C) (Ions score 35)
278 - 286	487.13	972.24	972.54	-0.30	0	K.IAAVACQLK.E Carbamidomethyl (C) (Ions score 18)
278 - 286	490.70	979.39	979.59	-0.21	0	K.IAAVACQLK.E Carbamidomethyl (C); Heavy IsoLeu (Ions score 29)
315 - 333	707.83	2120.47	2120.12	0.35	0	R.NLDLVTNGTDNHLIVVDLR.K (Ions score 3)
315 - 333	710.28	2127.81	2127.17	0.63	0	R.NLDLVTNGTDNHLIVVDLR.K Heavy IsoLeu (Ions score 4)
356 - 371	858.90	1715.78	1715.81	-0.04	0	K.NTIPSDVDCVSPSGIR.I Carbamidomethyl (C) (Ions score 5)
397 - 407	635.62	1269.22	1270.71	-1.49	0	K.AILLTDELQOK.Y (Ions score 45)
397 - 407	635.78	1269.56	1270.71	-1.16	0	K.AILLTDELQOK.Y (Ions score 19)
397 - 407	636.24	1270.46	1270.71	-0.25	0	K.AILLTDELQOK.Y (Ions score 41)
397 - 407	636.70	1271.38	1270.71	0.66	0	K.AILLTDELQOK.Y (Ions score 13)
397 - 407	636.71	1271.41	1270.71	0.70	0	K.AILLTDELQOK.Y (Ions score 15)
397 - 407	639.28	1276.56	1277.76	-1.21	0	K.AILLTDELQOK.Y Heavy IsoLeu (Ions score 43)
397 - 407	639.45	1276.89	1277.76	-0.87	0	K.AILLTDELQOK.Y Heavy IsoLeu (Ions score 47)
397 - 407	639.87	1277.72	1277.76	-0.04	0	K.AILLTDELQOK.Y Heavy IsoLeu (Ions score 6)



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

MASCOT SCIENCE Mascot Search Results

Protein View

Match to: **Plasmodium_falciparum_3D7|MAL10|PF10_0155|Pf** Score: 4921

Annotation|**Plasmodium_falciparum_TIGR|(protein coding) enolase**

Found in search of \\Uk-ac-man-ssl\vol1\ls\Malaria\Niroshini\trapdata 2007\Trap data Jan2007\Niro 7-10 normal_LCA_1-E,2_01_6988.d\Analysis.mgf

Nominal mass (M_r): 48647; Calculated pI value: 6.21

NCBI BLAST search of **Plasmodium_falciparum_3D7|MAL10|PF10_0155|Pf** against nr

Unformatted [sequence string](#) for pasting into other applications

Variable modifications: Carbamidomethyl (C),Oxidation (M),Heavy IsoLeu

Cleavage by Trypsin: cuts C-term side of KR unless next residue is P

Sequence Coverage: 52%

Matched peptides shown in **Red**

1 MAHVITRINA REILDSRGNP TVEVDLETNL GIFRAAVPSG **ASTGIYEAL**
 51 **LRDNDKSRYL** GKGVQKAIKN **INEIIPAKLI** GMNCTEQKKI **DNLVVEELDG**
 101 **SKNEWGWSKS** KLGANAILAI SMAVCRAGAA ANKVSLYKYL **AQLAGKSDQ**
 151 **MVLVPLCLNV** INGGSHAGNK **LSFQEFMIVP** VGAPSFKEAL **RYGAEVYHTL**
 201 **KSEIKKYYGI** DATNVGDEGG FAPNILNANE ALDLLVTAIK SAGYEGKVKI
 251 **AMDVAASEFY** NSENKTYDLD **FKTPNNDKSL** VKTGAQLVDL **YIDLVKKYP**
 301 **VSIEDPFDQD** DWENYAKLTA AIGKDVQIVG **DDLVTNPTR** ITKALEKNAC
 351 **NALLLKVNQI** GSITEAIEAC **LLSQKNNWCV** MVSHRSGETE DVFIALDVVA
 401 LRTGQIKTGA PCRSENAKY NQLLRIEESL **GNNAVFAGEK** FRLQLN

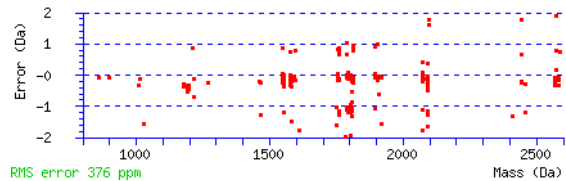
Show predicted peptides also

Sort Peptides By Residue Number Increasing Mass Decreasing Mass

Start	End	Observed	Mr (expt)	Mr (calc)	Delta	Miss	Sequence	
35	52	902.00	1801.99	1803.94	-1.95	0	R.AAVPSGASTGIYEALR.D	(Ions score 80)
35	52	902.38	1802.74	1803.94	-1.20	0	R.AAVPSGASTGIYEALR.D	(Ions score 62)
35	52	902.44	1802.87	1803.94	-1.07	0	R.AAVPSGASTGIYEALR.D	(Ions score 85)
35	52	902.46	1802.91	1803.94	-1.03	0	R.AAVPSGASTGIYEALR.D	(Ions score 37)
35	52	902.51	1803.00	1803.94	-0.93	0	R.AAVPSGASTGIYEALR.D	(Ions score 8)
35	52	902.92	1803.83	1803.94	-0.11	0	R.AAVPSGASTGIYEALR.D	(Ions score 36)
35	52	902.92	1803.83	1803.94	-0.11	0	R.AAVPSGASTGIYEALR.D	(Ions score 31)
35	52	902.93	1803.84	1803.94	-0.10	0	R.AAVPSGASTGIYEALR.D	(Ions score 84)
35	52	902.93	1803.85	1803.94	-0.09	0	R.AAVPSGASTGIYEALR.D	(Ions score 43)
35	52	902.97	1803.92	1803.94	-0.01	0	R.AAVPSGASTGIYEALR.D	(Ions score 74)
35	52	902.98	1803.94	1803.94	0.01	0	R.AAVPSGASTGIYEALR.D	(Ions score 64)
35	52	905.84	1809.67	1810.99	-1.32	0	R.AAVPSGASTGIYEALR.D	Heavy IsoLeu (Ions score 50)
35	52	905.92	1809.83	1810.99	-1.16	0	R.AAVPSGASTGIYEALR.D	Heavy IsoLeu (Ions score 66)
35	52	604.31	1809.90	1810.99	-1.09	0	R.AAVPSGASTGIYEALR.D	Heavy IsoLeu (Ions score 22)
35	52	905.99	1809.96	1810.99	-1.02	0	R.AAVPSGASTGIYEALR.D	Heavy IsoLeu (Ions score 25)
35	52	906.23	1810.44	1810.99	-0.55	0	R.AAVPSGASTGIYEALR.D	Heavy IsoLeu (Ions score 43)
35	52	906.38	1810.75	1810.99	-0.24	0	R.AAVPSGASTGIYEALR.D	Heavy IsoLeu (Ions score 74)
35	52	906.40	1810.79	1810.99	-0.20	0	R.AAVPSGASTGIYEALR.D	Heavy IsoLeu (Ions score 55)
35	52	906.40	1810.79	1810.99	-0.20	0	R.AAVPSGASTGIYEALR.D	Heavy IsoLeu (Ions score 33)
35	52	906.42	1810.83	1810.99	-0.16	0	R.AAVPSGASTGIYEALR.D	Heavy IsoLeu (Ions score 70)
35	52	906.43	1810.84	1810.99	-0.15	0	R.AAVPSGASTGIYEALR.D	Heavy IsoLeu (Ions score 57)
35	52	906.45	1810.88	1810.99	-0.11	0	R.AAVPSGASTGIYEALR.D	Heavy IsoLeu (Ions score 97)
35	52	906.47	1810.92	1810.99	-0.06	0	R.AAVPSGASTGIYEALR.D	Heavy IsoLeu (Ions score 13)
35	52	906.89	1811.76	1810.99	0.77	0	R.AAVPSGASTGIYEALR.D	Heavy IsoLeu (Ions score 10)
35	52	906.92	1811.83	1810.99	0.84	0	R.AAVPSGASTGIYEALR.D	Heavy IsoLeu (Ions score 52)
35	52	906.97	1811.92	1810.99	0.93	0	R.AAVPSGASTGIYEALR.D	Heavy IsoLeu (Ions score 87)
70	78	506.12	1010.23	1010.58	-0.35	0	K.NINEIIPAK.L	(Ions score 61)
70	78	516.09	1030.16	1031.73	-1.57	0	K.NINEIIPAK.L	3 Heavy IsoLeu (Ions score 43)
79	88	597.02	1192.03	1192.56	-0.52	0	K.LIGMNCTEQK.K	Carbamidomethyl (C) (Ions score 49)
79	88	597.06	1192.11	1192.56	-0.45	0	K.LIGMNCTEQK.K	Carbamidomethyl (C) (Ions score 46)
79	88	597.13	1192.25	1192.56	-0.31	0	K.LIGMNCTEQK.K	Carbamidomethyl (C) (Ions score 61)
79	88	600.62	1199.23	1199.61	-0.38	0	K.LIGMNCTEQK.K	Carbamidomethyl (C); Heavy IsoLeu (Ions score 26)
79	88	605.71	1209.41	1208.55	0.85	0	K.LIGMNCTEQK.K	Carbamidomethyl (C); Oxidation (M) (Ions score 51)
79	88	608.47	1214.92	1215.60	-0.68	0	K.LIGMNCTEQK.K	Carbamidomethyl (C); Oxidation (M); Heavy IsoLeu (Ions score 49)
79	89	636.22	1270.43	1270.68	-0.26	1	K.LIGMNCTEQK.I	Heavy IsoLeu (Ions score 11)
89	102	795.89	1589.76	1589.80	-0.04	1	K.KIDNLMVEELDGSK.N	(Ions score 80)
89	102	799.34	1596.67	1596.85	-0.18	1	K.KIDNLMVEELDGSK.N	Heavy IsoLeu (Ions score 95)
89	102	799.35	1596.68	1596.85	-0.17	1	K.KIDNLMVEELDGSK.N	Heavy IsoLeu (Ions score 76)
89	102	799.82	1597.62	1596.85	0.77	1	K.KIDNLMVEELDGSK.N	Heavy IsoLeu (Ions score 103)
89	102	806.55	1611.08	1612.84	-1.76	1	K.KIDNLMVEELDGSK.N	Oxidation (M); Heavy IsoLeu (Ions score 43)
90	102	731.75	1461.49	1461.70	-0.21	0	K.IDNLMVEELDGSK.N	(Ions score 74)
90	102	731.76	1461.51	1461.70	-0.19	0	K.IDNLMVEELDGSK.N	(Ions score 71)
90	102	734.74	1467.46	1468.75	-1.29	0	K.IDNLMVEELDGSK.N	Heavy IsoLeu (Ions score 68)
90	102	735.26	1468.50	1468.75	-0.25	0	K.IDNLMVEELDGSK.N	Heavy IsoLeu (Ions score 76)
139	146	432.21	862.40	862.49	-0.09	0	K.YLAQLAGK.K	(Ions score 41)
148	170	1206.97	2411.93	2413.23	-1.30	0	K.SDQMVLVPLCLNVINGGSHAGNK.L	Carbamidomethyl (C); Heavy IsoLeu (Ions score 12)
171	187	948.47	1894.93	1895.99	-1.05	0	K.LSFQEFMIVPVGAPSFK.E	(Ions score 45)
171	187	948.97	1895.92	1895.99	-0.07	0	K.LSFQEFMIVPVGAPSFK.E	(Ions score 31)
171	187	948.97	1895.93	1895.99	-0.06	0	K.LSFQEFMIVPVGAPSFK.E	(Ions score 53)
171	187	948.98	1895.94	1895.99	-0.04	0	K.LSFQEFMIVPVGAPSFK.E	(Ions score 43)
171	187	948.99	1895.97	1895.99	-0.01	0	K.LSFQEFMIVPVGAPSFK.E	(Ions score 52)
171	187	949.01	1896.01	1895.99	0.02	0	K.LSFQEFMIVPVGAPSFK.E	(Ions score 54)
171	187	949.46	1896.90	1895.99	0.92	0	K.LSFQEFMIVPVGAPSFK.E	(Ions score 35)
171	187	952.45	1902.88	1903.04	-0.16	0	K.LSFQEFMIVPVGAPSFK.E	Heavy IsoLeu (Ions score 40)
171	187	952.47	1902.93	1903.04	-0.11	0	K.LSFQEFMIVPVGAPSFK.E	Heavy IsoLeu (Ions score 53)
171	187	952.49	1902.96	1903.04	-0.08	0	K.LSFQEFMIVPVGAPSFK.E	Heavy IsoLeu (Ions score 46)
171	187	952.49	1902.97	1903.04	-0.07	0	K.LSFQEFMIVPVGAPSFK.E	Heavy IsoLeu (Ions score 40)
171	187	952.50	1902.98	1903.04	-0.06	0	K.LSFQEFMIVPVGAPSFK.E	Heavy IsoLeu (Ions score 33)
171	187	952.50	1902.99	1903.04	-0.05	0	K.LSFQEFMIVPVGAPSFK.E	Heavy IsoLeu (Ions score 61)
171	187	953.02	1904.03	1903.04	0.99	0	K.LSFQEFMIVPVGAPSFK.E	Heavy IsoLeu (Ions score 56)
171	187	953.02	1904.04	1903.04	1.00	0	K.LSFQEFMIVPVGAPSFK.E	Heavy IsoLeu (Ions score 32)
171	187	956.70	1911.38	1911.98	-0.60	0	K.LSFQEFMIVPVGAPSFK.E	Oxidation (M) (Ions score 15)
171	187	956.95	1911.89	1911.98	-0.09	0	K.LSFQEFMIVPVGAPSFK.E	Oxidation (M) (Ions score 15)
171	187	956.98	1911.95	1911.98	-0.03	0	K.LSFQEFMIVPVGAPSFK.E	Oxidation (M) (Ions score 26)
171	187	959.74	1917.46	1919.03	-1.57	0	K.LSFQEFMIVPVGAPSFK.E	Oxidation (M); Heavy IsoLeu (Ions score 32)
171	187	960.48	1918.94	1919.03	-0.10	0	K.LSFQEFMIVPVGAPSFK.E	Oxidation (M); Heavy IsoLeu (Ions score 19)
192	201	590.61	1179.20	1179.59	-0.39	0	R.YGAEVYHTLK.S	(Ions score 36)
192	201	590.61	1179.21	1179.59	-0.38	0	R.YGAEVYHTLK.S	(Ions score 31)
192	201	590.65	1179.28	1179.59	-0.31	0	R.YGAEVYHTLK.S	(Ions score 63)
192	201	590.65	1179.29	1179.59	-0.30	0	R.YGAEVYHTLK.S	(Ions score 58)
192	201	590.65	1179.29	1179.59	-0.30	0	R.YGAEVYHTLK.S	(Ions score 49)

250 - 265	893.92	1785.83	1787.80	-1.97	0	K.IAMDVAASEFYNSENK.T	(Ions score 13)
250 - 265	894.35	1786.69	1787.80	-1.12	0	K.IAMDVAASEFYNSENK.T	(Ions score 69)
250 - 265	894.39	1786.76	1787.80	-1.05	0	K.IAMDVAASEFYNSENK.T	(Ions score 12)
250 - 265	894.86	1787.70	1787.80	-0.10	0	K.IAMDVAASEFYNSENK.T	(Ions score 54)
250 - 265	894.87	1787.72	1787.80	-0.09	0	K.IAMDVAASEFYNSENK.T	(Ions score 50)
250 - 265	894.88	1787.74	1787.80	-0.06	0	K.IAMDVAASEFYNSENK.T	(Ions score 17)
250 - 265	894.88	1787.76	1787.80	-0.05	0	K.IAMDVAASEFYNSENK.T	(Ions score 10)
250 - 265	894.91	1787.80	1787.80	-0.00	0	K.IAMDVAASEFYNSENK.T	(Ions score 5)
250 - 265	895.25	1788.48	1787.80	0.68	0	K.IAMDVAASEFYNSENK.T	(Ions score 23)
250 - 265	895.42	1788.82	1787.80	1.01	0	K.IAMDVAASEFYNSENK.T	(Ions score 38)
250 - 265	897.84	1793.66	1794.85	-1.20	0	K.IAMDVAASEFYNSENK.T	Heavy IsoLeu (Ions score 18)
250 - 265	898.36	1794.71	1794.85	-0.14	0	K.IAMDVAASEFYNSENK.T	Heavy IsoLeu (Ions score 35)
250 - 265	898.39	1794.77	1794.85	-0.09	0	K.IAMDVAASEFYNSENK.T	Heavy IsoLeu (Ions score 52)
250 - 265	898.42	1794.84	1794.85	-0.02	0	K.IAMDVAASEFYNSENK.T	Heavy IsoLeu (Ions score 15)
250 - 265	898.47	1794.92	1794.85	0.07	0	K.IAMDVAASEFYNSENK.T	Heavy IsoLeu (Ions score 6)
250 - 265	902.85	1803.69	1803.80	-0.11	0	K.IAMDVAASEFYNSENK.T	Oxidation (M) (Ions score 76)
250 - 265	902.86	1803.71	1803.80	-0.09	0	K.IAMDVAASEFYNSENK.T	Oxidation (M) (Ions score 61)
250 - 265	906.00	1809.98	1810.85	-0.87	0	K.IAMDVAASEFYNSENK.T	Oxidation (M); Heavy IsoLeu (Ions score 67)
250 - 265	906.32	1810.63	1810.85	-0.22	0	K.IAMDVAASEFYNSENK.T	Oxidation (M); Heavy IsoLeu (Ions score 35)
266 - 272	451.19	900.36	900.42	-0.06	0	K.TYDLDFK.T	(Ions score 40)
283 - 296	774.32	1546.63	1546.86	-0.23	0	K.TGAQLVDLYIDLVK.K	(Ions score 56)
283 - 296	774.34	1546.66	1546.86	-0.20	0	K.TGAQLVDLYIDLVK.K	(Ions score 72)
283 - 296	774.36	1546.70	1546.86	-0.16	0	K.TGAQLVDLYIDLVK.K	(Ions score 71)
283 - 296	774.36	1546.70	1546.86	-0.16	0	K.TGAQLVDLYIDLVK.K	(Ions score 78)
283 - 296	774.36	1546.71	1546.86	-0.16	0	K.TGAQLVDLYIDLVK.K	(Ions score 71)
283 - 296	774.39	1546.77	1546.86	-0.09	0	K.TGAQLVDLYIDLVK.K	(Ions score 74)
283 - 296	774.45	1546.89	1546.86	0.02	0	K.TGAQLVDLYIDLVK.K	(Ions score 72)
283 - 296	774.87	1547.73	1546.86	0.87	0	K.TGAQLVDLYIDLVK.K	(Ions score 72)
283 - 296	777.36	1552.71	1553.91	-1.20	0	K.TGAQLVDLYIDLVK.K	Heavy IsoLeu (Ions score 56)
283 - 296	777.77	1553.54	1553.91	-0.38	0	K.TGAQLVDLYIDLVK.K	Heavy IsoLeu (Ions score 59)
283 - 296	777.83	1553.65	1553.91	-0.26	0	K.TGAQLVDLYIDLVK.K	Heavy IsoLeu (Ions score 57)
283 - 296	777.84	1553.66	1553.91	-0.26	0	K.TGAQLVDLYIDLVK.K	Heavy IsoLeu (Ions score 65)
283 - 296	777.86	1553.71	1553.91	-0.20	0	K.TGAQLVDLYIDLVK.K	Heavy IsoLeu (Ions score 56)
283 - 296	777.88	1553.75	1553.91	-0.16	0	K.TGAQLVDLYIDLVK.K	Heavy IsoLeu (Ions score 67)
283 - 296	777.90	1553.79	1553.91	-0.13	0	K.TGAQLVDLYIDLVK.K	Heavy IsoLeu (Ions score 59)
283 - 296	777.93	1553.85	1553.91	-0.06	0	K.TGAQLVDLYIDLVK.K	Heavy IsoLeu (Ions score 68)
283 - 296	777.96	1553.91	1553.91	-0.01	0	K.TGAQLVDLYIDLVK.K	Heavy IsoLeu (Ions score 59)
297 - 317	857.96	2570.86	2571.18	-0.32	1	K.KYPIVSIEDPFQDDWENYAK.L	(Ions score 107)
297 - 317	1286.49	2570.97	2571.18	-0.22	1	K.KYPIVSIEDPFQDDWENYAK.L	(Ions score 58)
297 - 317	1286.52	2571.02	2571.18	-0.16	1	K.KYPIVSIEDPFQDDWENYAK.L	(Ions score 58)
297 - 317	858.04	2571.11	2571.18	-0.07	1	K.KYPIVSIEDPFQDDWENYAK.L	(Ions score 70)
297 - 317	858.13	2571.36	2571.18	0.18	1	K.KYPIVSIEDPFQDDWENYAK.L	(Ions score 65)
297 - 317	1286.99	2571.96	2571.18	0.78	1	K.KYPIVSIEDPFQDDWENYAK.L	(Ions score 69)
297 - 317	858.70	2573.06	2571.18	1.88	1	K.KYPIVSIEDPFQDDWENYAK.L	(Ions score 113)
297 - 317	1293.48	2584.95	2585.28	-0.33	1	K.KYPIVSIEDPFQDDWENYAK.L	2 Heavy IsoLeu (Ions score 36)
297 - 317	1293.57	2585.13	2585.28	-0.15	1	K.KYPIVSIEDPFQDDWENYAK.L	2 Heavy IsoLeu (Ions score 43)
297 - 317	862.74	2585.20	2585.28	-0.08	1	K.KYPIVSIEDPFQDDWENYAK.L	2 Heavy IsoLeu (Ions score 58)
297 - 317	862.75	2585.22	2585.28	-0.07	1	K.KYPIVSIEDPFQDDWENYAK.L	2 Heavy IsoLeu (Ions score 6)
297 - 317	863.02	2586.04	2585.28	0.76	1	K.KYPIVSIEDPFQDDWENYAK.L	2 Heavy IsoLeu (Ions score 28)
298 - 317	1222.42	2442.84	2443.09	-0.25	0	K.YPIVSIEDPFQDDWENYAK.L	(Ions score 29)
298 - 317	1222.45	2442.89	2443.09	-0.20	0	K.YPIVSIEDPFQDDWENYAK.L	(Ions score 47)
298 - 317	1222.45	2442.90	2443.09	-0.19	0	K.YPIVSIEDPFQDDWENYAK.L	(Ions score 48)
298 - 317	1222.87	2443.73	2443.09	0.64	0	K.YPIVSIEDPFQDDWENYAK.L	(Ions score 52)
298 - 317	1223.43	2444.84	2443.09	1.75	0	K.YPIVSIEDPFQDDWENYAK.L	(Ions score 43)
298 - 317	1229.00	2455.98	2457.19	-1.21	0	K.YPIVSIEDPFQDDWENYAK.L	2 Heavy IsoLeu (Ions score 73)
298 - 317	1229.45	2456.89	2457.19	-0.30	0	K.YPIVSIEDPFQDDWENYAK.L	2 Heavy IsoLeu (Ions score 39)
298 - 317	1229.46	2456.90	2457.19	-0.29	0	K.YPIVSIEDPFQDDWENYAK.L	2 Heavy IsoLeu (Ions score 45)
325 - 340	877.17	1752.33	1753.92	-1.59	0	K.DVQIVGDDLLVTNPTR.I	(Ions score 16)
325 - 340	877.45	1752.88	1753.92	-1.05	0	K.DVQIVGDDLLVTNPTR.I	(Ions score 40)
325 - 340	877.88	1753.75	1753.92	-0.17	0	K.DVQIVGDDLLVTNPTR.I	(Ions score 61)
325 - 340	877.92	1753.83	1753.92	-0.10	0	K.DVQIVGDDLLVTNPTR.I	(Ions score 87)
325 - 340	877.93	1753.84	1753.92	-0.08	0	K.DVQIVGDDLLVTNPTR.I	(Ions score 77)
325 - 340	877.93	1753.84	1753.92	-0.08	0	K.DVQIVGDDLLVTNPTR.I	(Ions score 88)
325 - 340	877.94	1753.86	1753.92	-0.06	0	K.DVQIVGDDLLVTNPTR.I	(Ions score 49)
325 - 340	877.98	1753.95	1753.92	0.03	0	K.DVQIVGDDLLVTNPTR.I	(Ions score 48)
325 - 340	878.39	1754.76	1753.92	0.84	0	K.DVQIVGDDLLVTNPTR.I	(Ions score 38)
325 - 340	880.85	1759.69	1760.97	-1.28	0	K.DVQIVGDDLLVTNPTR.I	Heavy IsoLeu (Ions score 16)
325 - 340	880.91	1759.81	1760.97	-1.16	0	K.DVQIVGDDLLVTNPTR.I	Heavy IsoLeu (Ions score 80)
325 - 340	881.40	1760.79	1760.97	-0.18	0	K.DVQIVGDDLLVTNPTR.I	Heavy IsoLeu (Ions score 62)
325 - 340	881.41	1760.82	1760.97	-0.16	0	K.DVQIVGDDLLVTNPTR.I	Heavy IsoLeu (Ions score 57)
325 - 340	881.42	1760.83	1760.97	-0.14	0	K.DVQIVGDDLLVTNPTR.I	Heavy IsoLeu (Ions score 59)
325 - 340	881.82	1761.62	1760.97	0.65	0	K.DVQIVGDDLLVTNPTR.I	Heavy IsoLeu (Ions score 15)
325 - 340	881.82	1761.63	1760.97	0.66	0	K.DVQIVGDDLLVTNPTR.I	Heavy IsoLeu (Ions score 27)
325 - 340	881.86	1761.71	1760.97	0.74	0	K.DVQIVGDDLLVTNPTR.I	Heavy IsoLeu (Ions score 29)
325 - 340	881.91	1761.82	1760.97	0.84	0	K.DVQIVGDDLLVTNPTR.I	Heavy IsoLeu (Ions score 92)
325 - 340	881.92	1761.83	1760.97	0.86	0	K.DVQIVGDDLLVTNPTR.I	Heavy IsoLeu (Ions score 2)
348 - 356	508.71	1015.41	1015.55	-0.14	0	K.NACNALLK.V	Carbamidomethyl (C) (Ions score 42)
357 - 375	1036.65	2071.29	2073.08	-1.79	0	K.VNIGSITEAIEACLLSQ.N	Carbamidomethyl (C) (Ions score 40)
357 - 375	1036.98	2071.95	2073.08	-1.13	0	K.VNIGSITEAIEACLLSQ.N	Carbamidomethyl (C) (Ions score 62)
357 - 375	1037.44	2072.86	2073.08	-0.22	0	K.VNIGSITEAIEACLLSQ.N	Carbamidomethyl (C) (Ions score 56)
357 - 375	691.96	2072.87	2073.08	-0.21	0	K.VNIGSITEAIEACLLSQ.N	Carbamidomethyl (C) (Ions score 32)
357 - 375	1037.45	2072.89	2073.08	-0.19	0	K.VNIGSITEAIEACLLSQ.N	Carbamidomethyl (C) (Ions score 47)
357 - 375	1037.46	2072.91	2073.08	-0.17	0	K.VNIGSITEAIEACLLSQ.N	Carbamidomethyl (C) (Ions score 31)
357 - 375	1037.48	2072.95	2073.08	-0.13	0	K.VNIGSITEAIEACLLSQ.N	Carbamidomethyl (C) (Ions score 33)
357 - 375	691.99	2072.95	2073.08	-0.13	0	K.VNIGSITEAIEACLLSQ.N	Carbamidomethyl (C) (Ions score 63)
357 - 375	1037.49	2072.96	2073.08	-0.12	0	K.VNIGSITEAIEACLLSQ.N	Carbamidomethyl (C) (Ions score 77)
357 - 375	1037.49	2072.96	2073.08	-0.12	0	K.VNIGSITEAIEACLLSQ.N	Carbamidomethyl (C) (Ions score 48)
357 - 375	1037.49	2072.97	2073.08	-0.11	0	K.VNIGSITEAIEACLLSQ.N	Carbamidomethyl (C) (Ions score 62)
357 - 375	1037.49	2072.98	2073.08	-0.10	0	K.VNIGSITEAIEACLLSQ.N	Carbamidomethyl (C) (Ions score 64)
357 - 375	692.00	2072.98	2073.08	-0.10	0	K.VNIGSITEAIEACLLSQ.N	Carbamidomethyl (C) (Ions score 50)
357 - 375	1037.50	2072.99	2073.08	-0.08	0	K.VNIGSITEAIEACLLSQ.N	Carbamidomethyl (C) (Ions score 51)
357 - 375	692.01	2073.02	2073.08	-0.06	0	K.VNIGSITEAIEACLLSQ.N	Carbamidomethyl (C) (Ions score 52)
357 - 375	692.02	2073.04	2073.08	-0.04	0	K.VNIGSITEAIEACLLSQ.N	Carbamidomethyl (C) (Ions score 27)
357 - 375	1037.54	2073.06	2073.08	-0.02	0	K.VNIGSITEAIEACLLSQ.N	Carbamidomethyl (C) (Ions score 68)
357 - 375	1037.59	2073.17	2073.08	0.09	0	K.VNIGSITEAIEACLLSQ.N	Carbamidomethyl (C) (Ions score 10)
357 - 375	692.17	2073.49	2073.08	0.42	0	K.VNIGSITEAIEACLLSQ.N	Carbamidomethyl (C) (Ions score 56)
357 - 375	1044.53	2087.05	2087.18	-0.13	0	K.VNIGSITEAIEACLLSQ.N	Carbamidomethyl (C); 2 Heavy IsoLeu (Ions score 9)
357 - 375	1047.31	2092.60	2094.23	-1.63	0	K.VNIGSITEAIEACLLSQ.N	Carbamidomethyl (C); 3 Heavy IsoLeu (Ions score 11)
357 - 375	1047.48	2092.94	2094.23	-1.29	0	K.VNIGSITEAIEACLLSQ.N	Carbamidomethyl (C); 3 Heavy IsoLeu (Ions score 72)
357 - 375	1047.52	2093.02	2094.23	-1.21	0	K.VNIGSITEAIEACLLSQ.N	Carbamidomethyl (C); 3 Heavy IsoLeu (Ions score 46)
357 - 375	1047.54	2093.06	2094.23	-1.17	0	K.VNIGSITEAIEACLLSQ.N	Carbamidomethyl (C); 3 Heavy IsoLeu (Ions score 29)
357 - 375	698.91	2093.72	2094.23	-0.51	0	K.VNIGSITEAIEACLLSQ.N	Carbamidomethyl (C); 3 Heavy IsoLeu (Ions score 13)
357 - 375	698.95	2093.84	2094.23	-0.39	0	K.VNIGSITEAIEACLLSQ.N	Carbamidomethyl (C); 3 Heavy IsoLeu (Ions score 20)
357 - 375	1047.97	2093.93	2094.23	-0.30	0	K.VNIGSITEAIEACLLSQ.N	Carbamidomethyl (C); 3 Heavy IsoLeu (Ions score 72)
357 - 375	698.99	2093.94	2094.23	-0.29	0	K.VNIGSITEAIEACLLSQ.N	Carbamidomethyl (C); 3 Heavy IsoLeu (Ions score 32)
357 - 375	1047.98	2093.95	2094.23	-0.29	0	K.VNIGSITEAIEACLLSQ.N	Carbamidomethyl (C); 3 Heavy IsoLe

357 - 375	1048.01	2094.00	2094.23	-0.23	0	K.VNQIGSITEAIEACLLSQK.N	Carbamidomethyl (C); 3 Heavy IsoLeu	(Ions score 61)
357 - 375	699.01	2094.01	2094.23	-0.22	0	K.VNQIGSITEAIEACLLSQK.N	Carbamidomethyl (C); 3 Heavy IsoLeu	(Ions score 27)
357 - 375	1048.04	2094.06	2094.23	-0.17	0	K.VNQIGSITEAIEACLLSQK.N	Carbamidomethyl (C); 3 Heavy IsoLeu	(Ions score 48)
357 - 375	1048.04	2094.07	2094.23	-0.16	0	K.VNQIGSITEAIEACLLSQK.N	Carbamidomethyl (C); 3 Heavy IsoLeu	(Ions score 38)
357 - 375	699.04	2094.11	2094.23	-0.12	0	K.VNQIGSITEAIEACLLSQK.N	Carbamidomethyl (C); 3 Heavy IsoLeu	(Ions score 12)
357 - 375	1048.10	2094.19	2094.23	-0.04	0	K.VNQIGSITEAIEACLLSQK.N	Carbamidomethyl (C); 3 Heavy IsoLeu	(Ions score 21)
357 - 375	1048.31	2094.60	2094.23	0.37	0	K.VNQIGSITEAIEACLLSQK.N	Carbamidomethyl (C); 3 Heavy IsoLeu	(Ions score 80)
357 - 375	1048.93	2095.85	2094.23	1.62	0	K.VNQIGSITEAIEACLLSQK.N	Carbamidomethyl (C); 3 Heavy IsoLeu	(Ions score 50)
357 - 375	1049.02	2096.02	2094.23	1.79	0	K.VNQIGSITEAIEACLLSQK.N	Carbamidomethyl (C); 3 Heavy IsoLeu	(Ions score 68)
376 - 385	600.07	1198.13	1198.57	-0.44	0	K.NNWGVMVSHR.S	(Ions score 22)	
376 - 385	600.12	1198.23	1198.57	-0.34	0	K.NNWGVMVSHR.S	(Ions score 46)	
376 - 385	608.22	1214.42	1214.56	-0.14	0	K.NNWGVMVSHR.S	Oxidation (M)	(Ions score 17)
426 - 440	789.24	1576.46	1576.77	-0.32	0	R.IEESLGNNAVFAGEK.F	(Ions score 55)	
426 - 440	789.28	1576.55	1576.77	-0.22	0	R.IEESLGNNAVFAGEK.F	(Ions score 66)	
426 - 440	789.28	1576.56	1576.77	-0.22	0	R.IEESLGNNAVFAGEK.F	(Ions score 95)	
426 - 440	789.29	1576.57	1576.77	-0.20	0	R.IEESLGNNAVFAGEK.F	(Ions score 71)	
426 - 440	789.33	1576.64	1576.77	-0.14	0	R.IEESLGNNAVFAGEK.F	(Ions score 102)	
426 - 440	789.35	1576.68	1576.77	-0.09	0	R.IEESLGNNAVFAGEK.F	(Ions score 64)	
426 - 440	789.40	1576.78	1576.77	0.01	0	R.IEESLGNNAVFAGEK.F	(Ions score 81)	
426 - 440	789.75	1577.50	1576.77	0.72	0	R.IEESLGNNAVFAGEK.F	(Ions score 70)	
426 - 440	792.18	1582.34	1583.82	-1.48	0	R.IEESLGNNAVFAGEK.F	Heavy IsoLeu	(Ions score 80)
426 - 440	792.74	1583.46	1583.82	-0.37	0	R.IEESLGNNAVFAGEK.F	Heavy IsoLeu	(Ions score 46)
426 - 440	792.74	1583.47	1583.82	-0.35	0	R.IEESLGNNAVFAGEK.F	Heavy IsoLeu	(Ions score 66)
426 - 440	792.83	1583.64	1583.82	-0.19	0	R.IEESLGNNAVFAGEK.F	Heavy IsoLeu	(Ions score 101)
426 - 440	792.83	1583.64	1583.82	-0.18	0	R.IEESLGNNAVFAGEK.F	Heavy IsoLeu	(Ions score 83)



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